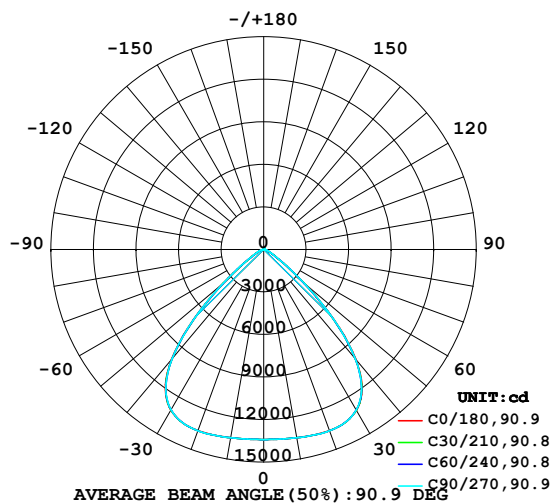


LUMINAIRE PHOTOMETRIC TEST REPORT

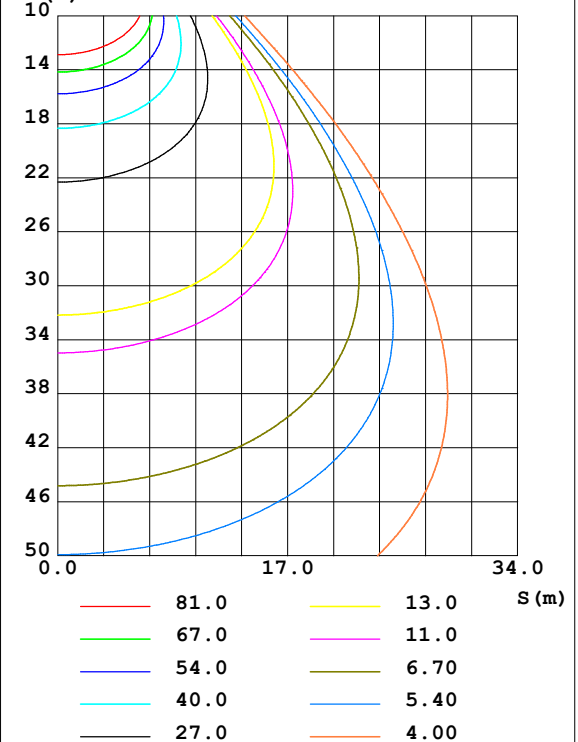
Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 179.53 lm/W			
MODEL		I _{max} (cd)	13606	S/MH (C0/180)	1.31
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	26801	η UP, DN (C0-180)	0.5, 49.5
NOMINAL FLUX (lm)	26801.5	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.5
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	99.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1348	1348	1349	1348	1348	1348	1349	1348	0- 10	1283	1283	4.79, 4.79
20	1359	1361	1360	1361	1359	1361	1360	1361	10- 20	3845	5128	19.1, 19.1
30	1309	1308	1307	1308	1309	1308	1307	1308	20- 30	6217	11345	42.3, 42.3
40	1011	1005	1005	1005	1011	1005	1005	1005	30- 40	7432	18778	70.1, 70.1
50	375.2	374.7	378.7	374.7	375.2	374.7	378.7	374.7	40- 50	5321	24098	89.9, 89.9
60	83.48	84.97	88.19	84.97	83.48	84.97	88.19	84.97	50- 60	1697	25796	96.2, 96.2
70	30.72	32.19	32.61	32.19	30.72	32.19	32.61	32.19	60- 70	520.7	26316	98.2, 98.2
80	8.163	8.275	8.121	8.275	8.163	8.275	8.121	8.275	70- 80	203.2	26520	98.9, 98.9
90	0.3134	0.3152	0.3171	0.3152	0.3134	0.3152	0.3171	0.3152	80- 90	24.74	26544	99, 99
100	0.9137	0.9129	0.9110	0.9129	0.9137	0.9129	0.9110	0.9129	90-100	6.269	26551	99.1, 99.1
110	1.893	1.895	1.900	1.895	1.893	1.895	1.900	1.895	100-110	14.49	26565	99.1, 99.1
120	3.272	3.274	3.278	3.274	3.272	3.274	3.278	3.274	110-120	25.21	26590	99.2, 99.2
130	4.979	4.987	4.991	4.987	4.979	4.987	4.991	4.987	120-130	36.76	26627	99.3, 99.3
140	6.645	6.666	6.670	6.666	6.645	6.666	6.670	6.666	130-140	45.14	26672	99.5, 99.5
150	8.152	8.177	8.186	8.177	8.152	8.177	8.186	8.177	140-150	46.42	26719	99.7, 99.7
160	9.837	9.839	9.846	9.839	9.837	9.839	9.846	9.839	150-160	41.37	26760	99.8, 99.8
170	11.49	11.48	11.50	11.48	11.49	11.48	11.50	11.48	160-170	30.06	26790	100, 100
180	12.34	12.31	12.33	12.31	12.34	12.31	12.33	12.31	170-180	11.34	26801	100, 100
DEG	LUMINOUS INTENSITY: *10cd									UNIT: lm		

Conical surface Flux(90deg): 21952 lm

%lum = 81.9%

%lamp = 81.9%

Conical surface Flux(120deg): 25796 lm

%lum = 96.2%

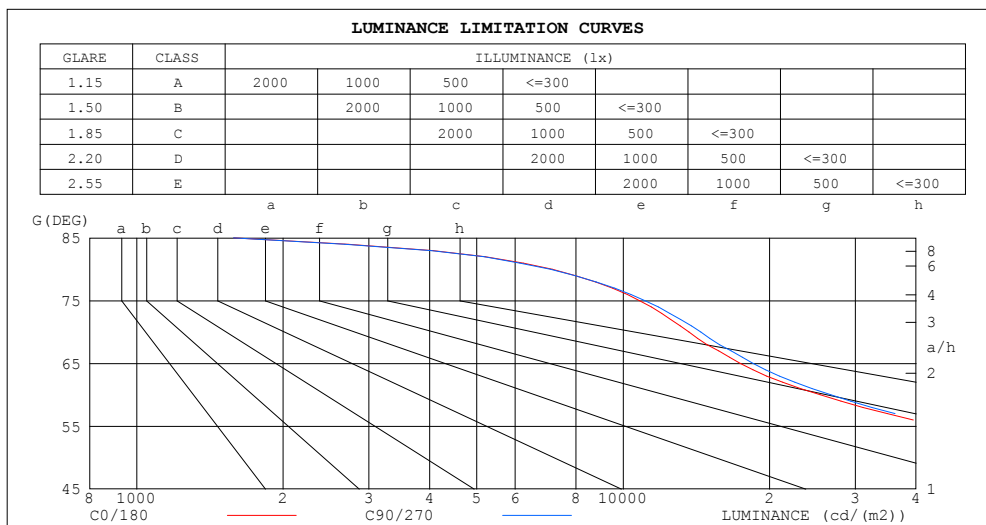
%lamp = 96.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1583	1581
80	7150	7084
75	10789	11070
70	13662	14443
65	17398	18479
60	25395	26719
55	45561	46763
50	88790	89251
45	151114	150188

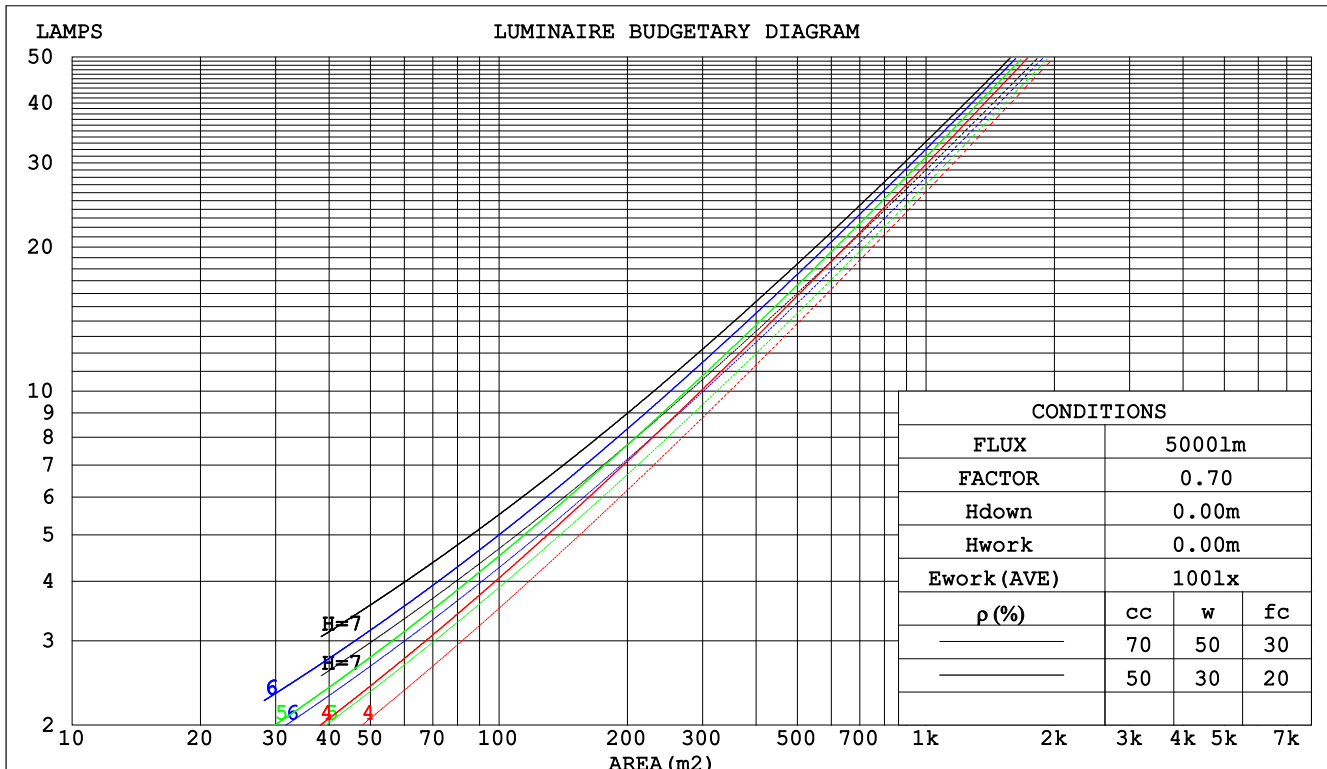
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.08	1.05	1.03	1.06	1.03	1.01	1.02	.99	.98	.98	.96	.95	.94	.93	.92	.90
2.0	.98	.93	.89	.97	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.89	.83	.78	.88	.82	.78	.85	.80	.76	.82	.78	.75	.80	.76	.73	.72
4.0	.81	.74	.69	.80	.74	.69	.78	.72	.68	.75	.71	.67	.73	.69	.66	.64
5.0	.74	.67	.62	.73	.66	.61	.71	.65	.61	.69	.64	.60	.67	.63	.59	.58
6.0	.68	.61	.55	.67	.60	.55	.65	.59	.55	.64	.58	.54	.62	.57	.54	.52
7.0	.62	.55	.50	.62	.55	.50	.60	.54	.49	.59	.53	.49	.57	.52	.49	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.49	.45	.54	.49	.44	.53	.48	.44	.43
9.0	.53	.46	.41	.53	.46	.41	.51	.45	.41	.50	.45	.41	.49	.44	.40	.39
10.0	.49	.42	.38	.49	.42	.38	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.218	.124	.039	.211	.120	.038	.197	.113	.036	.185	.107	.034	.174	.101	.032	
2.0	.213	.117	.036	.207	.114	.035	.195	.109	.034	.185	.104	.032	.175	.099	.031	
3.0	.204	.109	.033	.199	.106	.032	.189	.102	.031	.179	.098	.030	.171	.095	.029	
4.0	.195	.101	.030	.190	.099	.029	.181	.096	.029	.173	.093	.028	.165	.090	.027	
5.0	.185	.094	.027	.181	.093	.027	.173	.090	.027	.166	.087	.026	.159	.085	.026	
6.0	.176	.088	.025	.172	.087	.025	.165	.085	.025	.159	.082	.024	.152	.080	.024	
7.0	.167	.083	.023	.164	.082	.023	.157	.080	.023	.152	.078	.023	.146	.076	.022	
8.0	.159	.078	.022	.156	.077	.022	.150	.075	.021	.145	.073	.021	.140	.072	.021	
9.0	.151	.073	.020	.149	.072	.020	.143	.071	.020	.139	.070	.020	.134	.068	.020	
10.0	.144	.069	.019	.142	.068	.019	.137	.067	.019	.133	.066	.019	.129	.065	.019	

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021		
1.0	.181	.164	.149	.155	.141	.128	.106	.097	.089	.061	.056	.052	.020	.018	.017		
2.0	.169	.140	.115	.145	.120	.099	.099	.083	.069	.057	.048	.041	.018	.016	.013		
3.0	.159	.121	.091	.137	.105	.079	.094	.073	.055	.054	.042	.033	.017	.014	.011		
4.0	.151	.107	.074	.129	.093	.064	.089	.065	.045	.051	.038	.027	.017	.012	.009		
5.0	.144	.096	.061	.123	.083	.053	.085	.058	.038	.049	.034	.022	.016	.011	.007		
6.0	.137	.088	.052	.118	.076	.045	.081	.053	.032	.047	.031	.019	.015	.010	.006		
7.0	.131	.080	.045	.113	.070	.039	.078	.049	.028	.045	.029	.017	.015	.009	.005		
8.0	.125	.075	.040	.108	.065	.035	.075	.045	.025	.043	.027	.015	.014	.009	.005		
9.0	.120	.070	.035	.104	.060	.031	.072	.043	.022	.042	.025	.013	.014	.008	.004		
10.0	.116	.065	.032	.100	.057	.028	.069	.040	.020	.040	.024	.012	.013	.008	.004		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm												
NAME: H03DTC-15-R380-90-40G-R8					TYPE:			WEIGHT:				
SPEC.:					DIM.:			SERIAL No.:				
MFR.: ERVAN					SUR.:			Shielding Angle:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3		
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3		
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
Room dimensions	Viewed crosswise					Viewed endwise						
x = 2H y = 2H	15.2	16.4	15.5	16.6	16.8	15.2	16.4	15.5	16.6	16.8		
	3H	15.1	16.2	15.4	16.4	16.7	15.1	16.2	15.4	16.5	16.7	
	4H	15.1	16.1	15.4	16.3	16.6	15.1	16.1	15.4	16.4	16.6	
	6H	15.0	15.9	15.3	16.2	16.5	15.0	16.0	15.3	16.2	16.5	
	8H	14.9	15.9	15.3	16.1	16.4	15.0	15.9	15.3	16.2	16.5	
	12H	14.9	15.8	15.2	16.1	16.4	14.9	15.8	15.3	16.1	16.4	
	4H	2H	15.0	16.1	15.3	16.3	16.6	15.0	16.1	15.3	16.3	16.6
		3H	15.0	15.8	15.3	16.1	16.5	15.0	15.9	15.3	16.2	16.5
		4H	14.9	15.7	15.3	16.0	16.4	14.9	15.7	15.3	16.1	16.4
		6H	14.9	15.6	15.3	15.9	16.3	14.9	15.6	15.3	15.9	16.3
		8H	14.8	15.5	15.2	15.8	16.2	14.8	15.5	15.3	15.9	16.3
		12H	14.8	15.4	15.2	15.8	16.2	14.8	15.4	15.2	15.8	16.2
	8H	4H	14.8	15.5	15.2	15.8	16.2	14.8	15.5	15.2	15.9	16.2
		6H	14.8	15.3	15.2	15.7	16.1	14.8	15.3	15.2	15.7	16.2
		8H	14.7	15.2	15.2	15.6	16.1	14.7	15.2	15.2	15.6	16.1
		12H	14.7	15.1	15.2	15.5	16.0	14.7	15.1	15.2	15.6	16.0
	12H	4H	14.8	15.4	15.2	15.7	16.2	14.8	15.4	15.2	15.8	16.2
		6H	14.7	15.2	15.2	15.6	16.1	14.7	15.2	15.2	15.6	16.1
		8H	14.7	15.1	15.2	15.5	16.0	14.7	15.1	15.2	15.6	16.0
Variations with the observer position at spacings:												
S = 1.0H	+ 2.2 / - 5.3					+ 2.2 / - 5.1						
1.5H	+ 2.2 / - 4.5					+ 2.2 / - 4.5						
2.0H	+ 5.1 / - 5.7					+ 5.0 / - 5.6						

CIE Pub.117, 26801 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.4)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

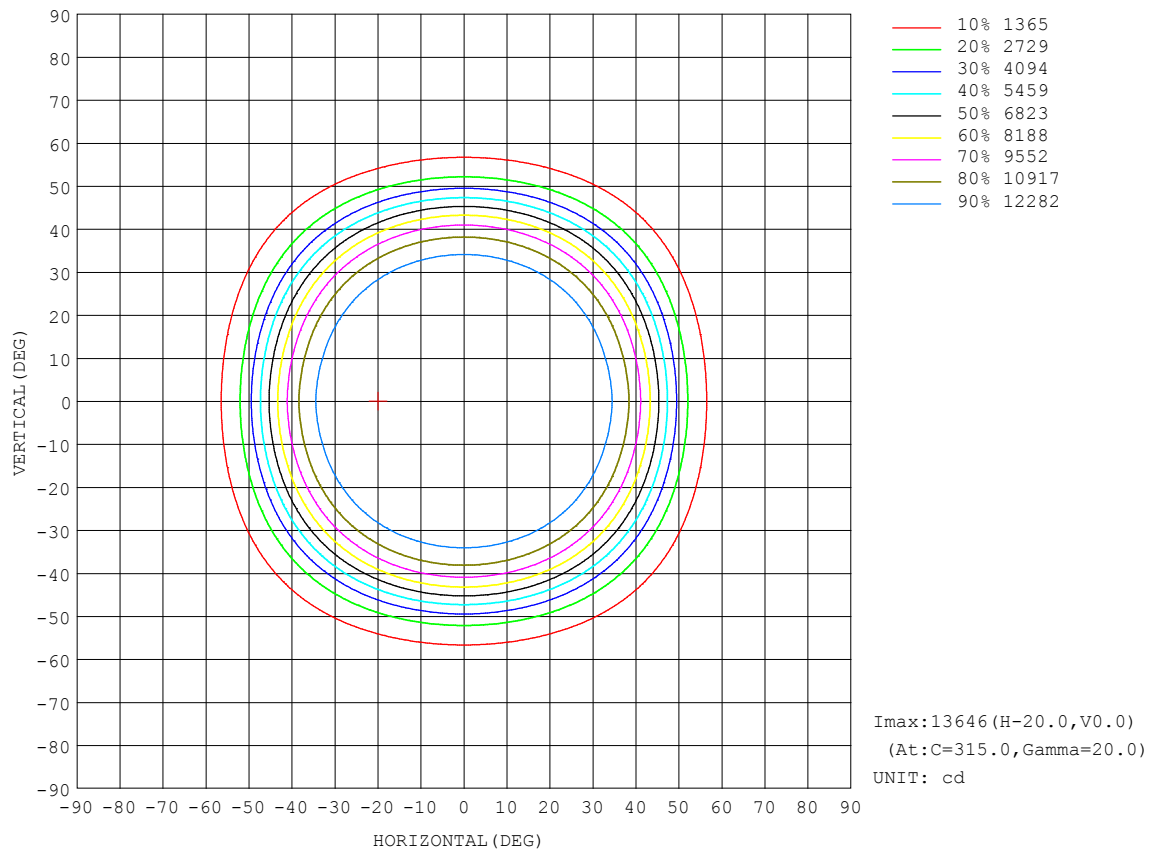
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	64	58	72	63	58	71	63	58	53
0.80	82	74	68	81	73	68	80	72	68	62
1.00	89	82	76	88	81	76	86	81	76	70
1.25	95	88	83	94	87	83	92	86	82	76
1.50	99	93	88	98	92	87	95	90	86	80
2.00	104	98	94	102	97	93	99	95	91	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	108	104	100	106	102	99	103	99	97	89
4.00	111	107	104	109	105	103	105	102	100	92
5.00	112	109	106	110	107	105	106	103	102	93
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

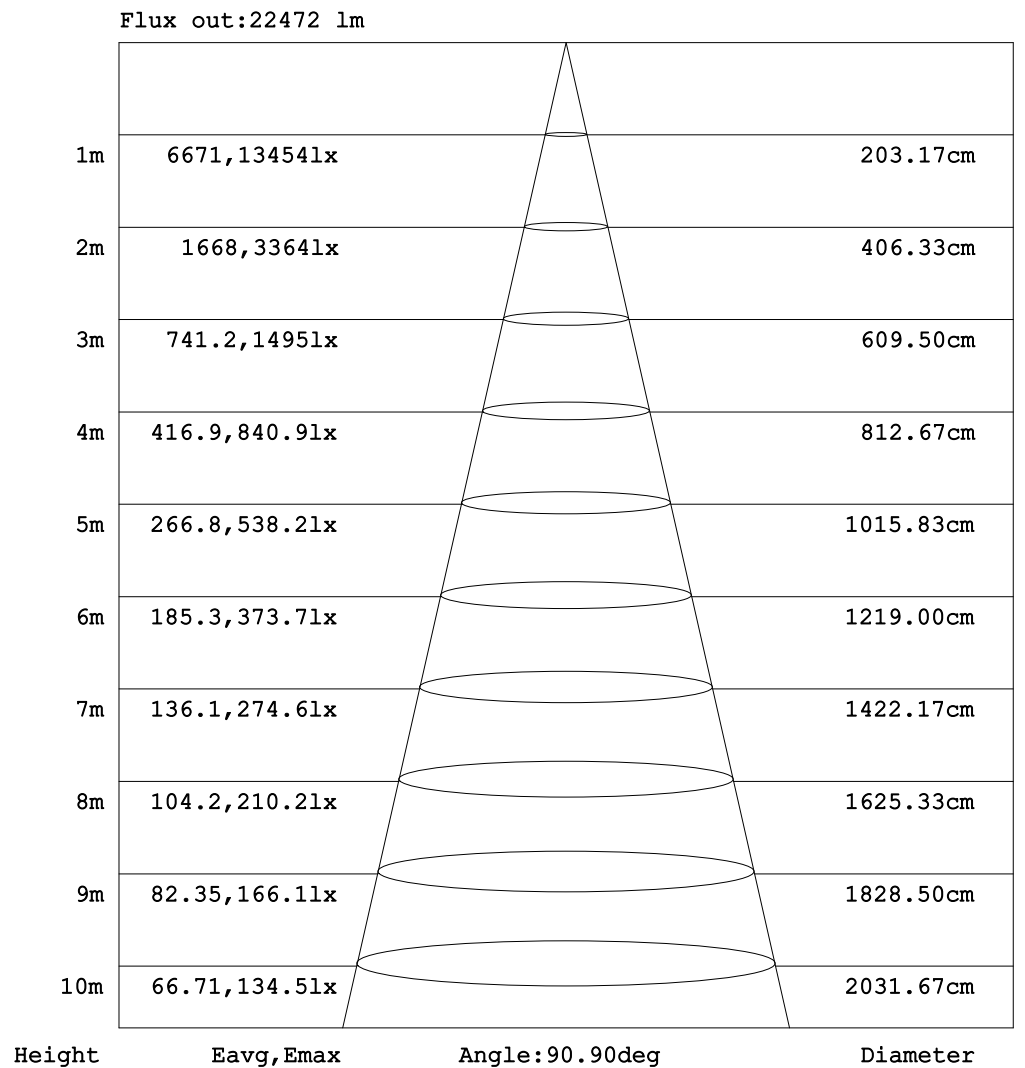


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



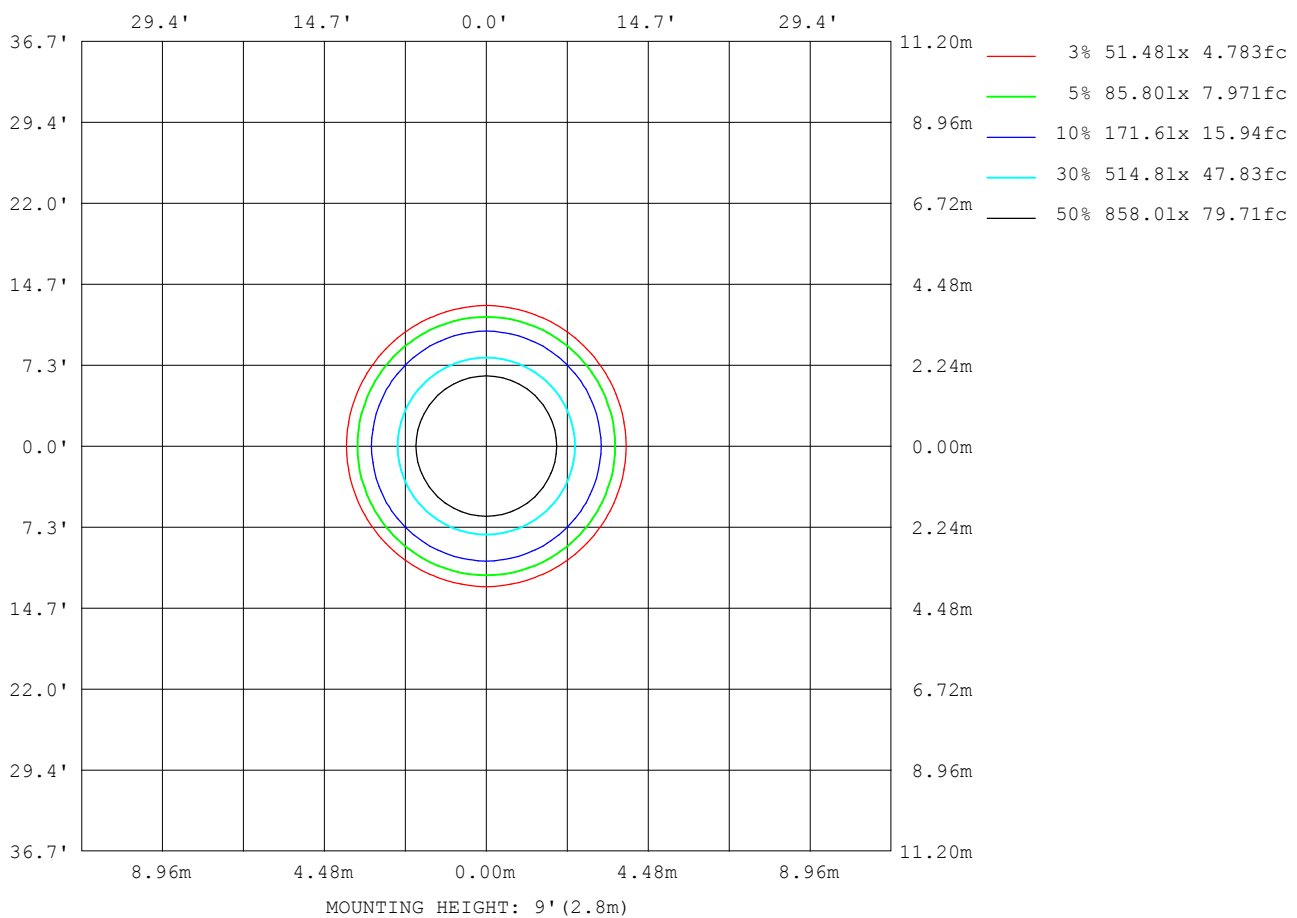
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

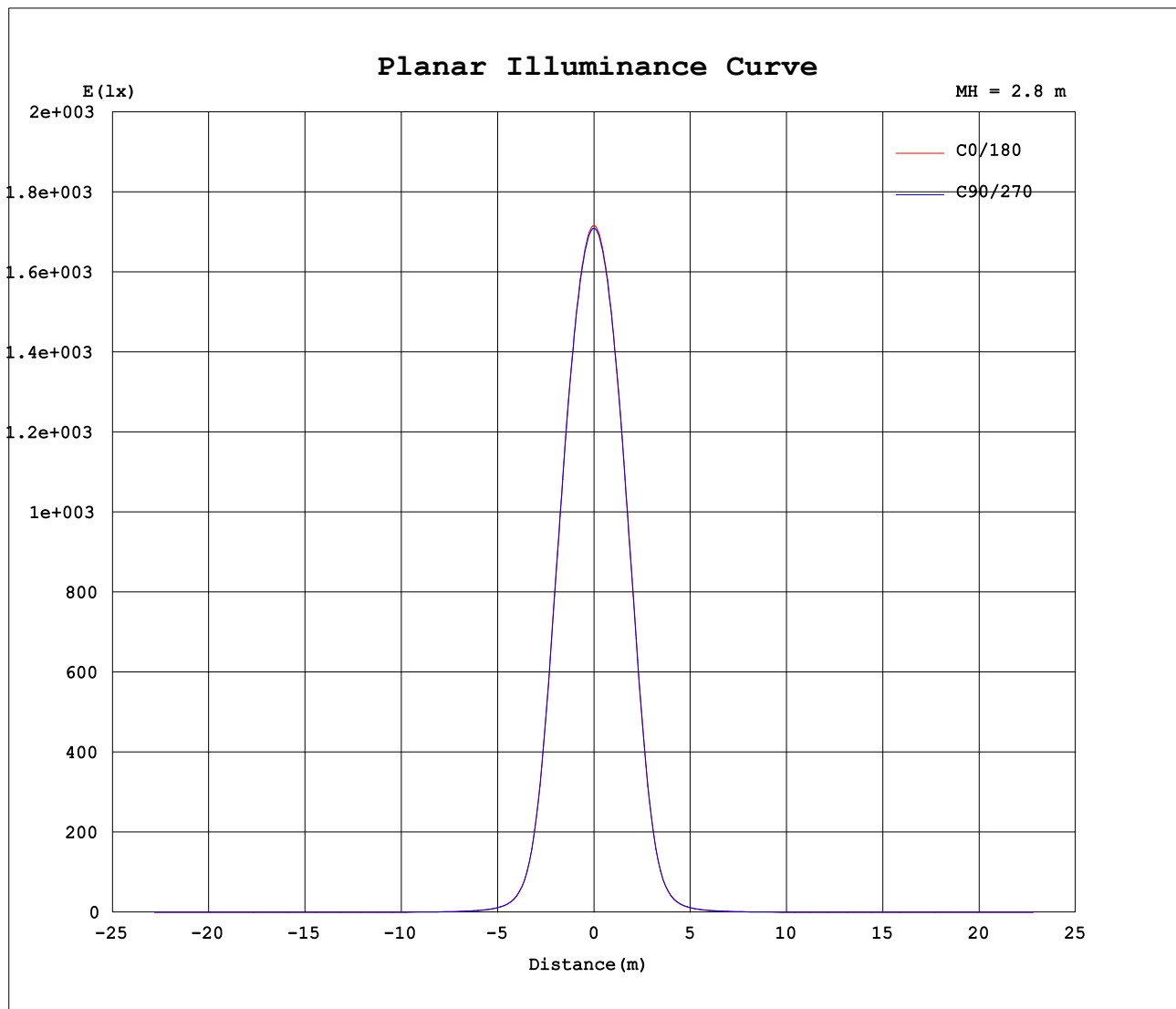
AvgL	cd/m2
L_0~180 (65) av	17330
L_0~180 (75) av	10748
L_0~180 (85) av	1577
L_90~270 (65) av	18482
L_90~270 (75) av	11072
L_90~270 (85) av	1582
L_45 (65) av	17977
L_45 (75) av	11220
L_45 (85) av	1651

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm																		
NAME: H03DTC-15-R380-90-40G-R8									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: ERVAN									SUR.:					Shielding Angle:				

Table--1

UNIT: ×10cd

γ \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340
5	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342	1342
10	1348	1348	1348	1348	1348	1349	1349	1349	1348	1348	1348	1348	1348	1348	1348	1348	1348	1349	1349
15	1355	1356	1356	1357	1357	1357	1356	1357	1357	1357	1356	1356	1355	1356	1356	1357	1357	1357	1356
20	1359	1360	1360	1361	1360	1360	1360	1360	1360	1361	1360	1360	1359	1360	1360	1361	1360	1360	1360
25	1350	1350	1350	1350	1350	1350	1349	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1349
30	1309	1309	1309	1308	1307	1307	1307	1307	1307	1308	1309	1309	1309	1309	1309	1308	1307	1307	1307
35	1210	1207	1207	1206	1205	1204	1204	1204	1205	1206	1207	1207	1210	1207	1207	1206	1205	1204	1204
40	1011	1007	1006	1005	1005	1005	1005	1005	1005	1005	1006	1007	1011	1007	1006	1005	1005	1005	1005
45	703	698	698	698	699	700	701	700	699	698	698	698	703	698	698	698	699	700	701
50	375	374	375	375	376	378	379	378	376	375	375	374	375	374	375	375	376	378	379
55	172	172	172	173	174	175	177	175	174	173	172	172	172	172	172	173	174	175	177
60	83.5	83.9	84.8	85.0	85.7	87.0	88.2	87.0	85.7	85.0	84.8	83.9	83.5	83.9	84.8	85.0	85.7	87.0	88.2
65	48.3	49.2	50.0	50.1	50.1	50.9	51.6	50.9	50.1	50.1	50.0	49.2	48.3	49.2	50.0	50.1	50.1	50.9	51.6
70	30.7	31.4	32.2	32.2	32.1	32.2	32.6	32.2	32.1	32.2	32.2	31.4	30.7	31.4	32.2	32.2	32.1	32.2	32.6
75	18.4	18.7	19.0	19.2	19.1	18.9	18.9	18.9	19.1	19.2	19.0	18.7	18.4	18.7	19.0	19.2	19.1	18.9	18.9
80	8.16	8.02	7.93	8.28	8.60	8.28	8.12	8.28	8.60	8.28	7.93	8.02	8.16	8.02	7.93	8.28	8.60	8.28	8.12
85	0.91	0.87	0.83	0.95	1.00	0.90	0.91	0.90	1.00	0.95	0.83	0.87	0.91	0.87	0.83	0.95	1.00	0.90	0.91
90	0.31	0.32	0.31	0.32	0.31	0.32	0.32	0.32	0.31	0.32	0.31	0.32	0.31	0.32	0.31	0.32	0.31	0.32	0.32
95	0.56	0.56	0.55	0.56	0.55	0.56	0.56	0.56	0.55	0.56	0.55	0.56	0.56	0.56	0.55	0.56	0.55	0.56	0.56
100	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
105	1.36	1.36	1.35	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.35	1.36	1.36	1.36	1.35	1.36	1.36	1.36	1.36
110	1.89	1.89	1.89	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.89	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90
115	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53
120	3.27	3.27	3.27	3.27	3.28	3.28	3.28	3.28	3.28	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.28	3.28	3.28
125	4.10	4.10	4.10	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.10	4.10	4.10	4.10	4.10	4.11	4.11	4.11	4.11
130	4.98	4.99	4.98	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.98	4.99	4.98	4.99	4.98	4.99	4.99	4.99	4.99
135	5.85	5.87	5.87	5.87	5.87	5.88	5.88	5.88	5.87	5.87	5.87	5.87	5.85	5.87	5.87	5.87	5.87	5.88	5.88
140	6.65	6.66	6.66	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.66	6.66	6.65	6.66	6.66	6.67	6.67	6.67	6.67
145	7.40	7.42	7.43	7.43	7.43	7.43	7.44	7.43	7.43	7.43	7.43	7.42	7.40	7.42	7.43	7.43	7.43	7.43	7.44
150	8.15	8.17	8.17	8.18	8.18	8.18	8.19	8.18	8.18	8.18	8.17	8.17	8.15	8.17	8.17	8.18	8.18	8.18	8.19
155	8.96	8.97	8.97	8.97	8.98	8.98	8.98	8.98	8.98	8.97	8.97	8.97	8.96	8.97	8.97	8.97	8.98	8.98	8.98
160	9.84	9.84	9.84	9.84	9.86	9.85	9.85	9.85	9.86	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.86	9.85	9.85
165	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
170	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
175	12.1	12.1	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.0	12.1	12.1	12.1	12.0	12.1	12.1	12.1	12.1
180	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.5V I:0.6796A P:149.3W PF:0.9528 Freq:49.99Hz Lamp Flux:26801.5x1 lm		
NAME: H03DTC-15-R380-90-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1340	1340	1340	1340	1340														
5	1342	1342	1342	1342	1342														
10	1349	1348	1348	1348	1348														
15	1357	1357	1357	1356	1356														
20	1360	1360	1361	1360	1360														
25	1350	1350	1350	1350	1350														
30	1307	1307	1308	1309	1309														
35	1204	1205	1206	1207	1207														
40	1005	1005	1005	1006	1007														
45	700	699	698	698	698														
50	378	376	375	375	374														
55	175	174	173	172	172														
60	87.0	85.7	85.0	84.8	83.9														
65	50.9	50.1	50.1	50.0	49.2														
70	32.2	32.1	32.2	32.2	31.4														
75	18.9	19.1	19.2	19.0	18.7														
80	8.28	8.60	8.28	7.93	8.02														
85	0.90	1.00	0.95	0.83	0.87														
90	0.32	0.31	0.32	0.31	0.32														
95	0.56	0.55	0.56	0.55	0.56														
100	0.91	0.91	0.91	0.91	0.91														
105	1.36	1.36	1.36	1.35	1.36														
110	1.90	1.90	1.90	1.89	1.89														
115	2.53	2.53	2.53	2.53	2.53														
120	3.28	3.28	3.27	3.27	3.27														
125	4.11	4.11	4.11	4.10	4.10														
130	4.99	4.99	4.99	4.98	4.99														
135	5.88	5.87	5.87	5.87	5.87														
140	6.67	6.67	6.67	6.66	6.66														
145	7.43	7.43	7.43	7.43	7.42														
150	8.18	8.18	8.18	8.17	8.17														
155	8.98	8.98	8.97	8.97	8.97														
160	9.85	9.86	9.84	9.84	9.84														
165	10.7	10.7	10.7	10.7	10.7														
170	11.5	11.5	11.5	11.5	11.5														
175	12.1	12.1	12.1	12.0	12.1														
180	12.3	12.3	12.3	12.3	12.3														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	13402	13402	13402	13402	13402	13402	13402	13402	13402	13402
3.0	13409	13409	13410	13410	13410	13410	13409	13410	13410	13410
6.0	13430	13432	13432	13433	13433	13433	13433	13433	13433	13433
9.0	13465	13468	13468	13470	13470	13470	13470	13470	13470	13470
12.0	13509	13515	13515	13517	13517	13517	13517	13517	13517	13517
15.0	13555	13562	13564	13565	13565	13566	13565	13566	13565	13565
18.0	13587	13597	13598	13600	13599	13599	13598	13599	13599	13600
21.0	13589	13599	13600	13601	13599	13599	13596	13599	13599	13601
24.0	13533	13541	13542	13542	13538	13536	13534	13536	13538	13542
27.0	13383	13388	13387	13386	13380	13376	13374	13376	13380	13386
30.0	13093	13089	13088	13085	13075	13069	13066	13069	13075	13085
33.0	12589	12575	12571	12565	12553	12547	12543	12547	12553	12565
36.0	11791	11762	11756	11749	11736	11731	11726	11731	11736	11749
39.0	10605	10565	10554	10546	10539	10542	10543	10542	10539	10546
42.0	8997	8949	8933	8926	8931	8943	8946	8943	8931	8926
45.0	7025	6983	6983	6979	6988	6999	7010	6999	6988	6979
48.0	5001	4968	4979	4975	4992	4999	5014	4999	4992	4975
51.0	3221	3210	3214	3220	3231	3251	3262	3251	3231	3220
54.0	2012	2009	2015	2019	2032	2039	2064	2039	2032	2019
57.0	1251	1252	1259	1262	1273	1289	1302	1289	1273	1262
60.0	834.8	839.0	847.6	849.7	857.1	870.3	881.9	870.3	857.1	849.7
63.0	589.2	595.8	604.3	605.7	609.0	617.7	627.9	617.7	609.0	605.7
66.0	442.6	449.7	458.8	459.2	459.5	464.8	472.2	464.8	459.5	459.2
69.0	335.3	342.8	351.1	350.7	349.4	352.1	356.4	352.1	349.4	350.7
72.0	254.4	260.4	266.5	266.3	264.8	265.0	267.9	265.0	264.8	266.3
75.0	183.6	186.7	189.9	191.7	191.3	189.3	189.1	189.3	191.3	191.7
78.0	120.1	120.0	119.9	122.7	125.2	122.3	120.9	122.3	125.2	122.7
81.0	64.11	62.29	60.57	64.53	68.16	64.81	63.36	64.81	68.16	64.53
84.0	18.70	17.41	16.68	18.60	20.11	18.37	18.48	18.37	20.11	18.60
87.0	3.580	3.628	3.597	3.625	3.630	3.648	3.651	3.648	3.630	3.625
90.0	3.134	3.170	3.115	3.152	3.132	3.161	3.171	3.161	3.132	3.152
93.0	4.452	4.475	4.416	4.448	4.428	4.455	4.451	4.455	4.428	4.448
96.0	6.202	6.228	6.148	6.187	6.165	6.188	6.181	6.188	6.165	6.187
99.0	8.342	8.363	8.283	8.330	8.297	8.327	8.314	8.327	8.297	8.330
102.0	10.81	10.82	10.77	10.81	10.79	10.81	10.81	10.81	10.79	10.81
105.0	13.58	13.59	13.53	13.58	13.57	13.60	13.61	13.60	13.57	13.58
108.0	16.67	16.68	16.64	16.69	16.69	16.71	16.73	16.71	16.69	16.69
111.0	20.11	20.13	20.09	20.15	20.15	20.17	20.19	20.17	20.15	20.15
114.0	23.93	23.94	23.91	23.97	23.97	23.99	23.99	23.99	23.97	23.97
117.0	28.13	28.14	28.12	28.16	28.16	28.18	28.20	28.18	28.16	28.16
120.0	32.72	32.73	32.70	32.74	32.76	32.84	32.78	32.84	32.76	32.74
123.0	37.64	37.63	37.58	37.65	37.68	37.69	37.69	37.69	37.68	37.65
126.0	42.81	42.78	42.75	42.80	42.84	42.84	42.82	42.84	42.84	42.80
129.0	48.03	48.08	48.05	48.09	48.11	48.13	48.12	48.13	48.11	48.09
132.0	53.31	53.41	53.40	53.43	53.43	53.47	53.46	53.47	53.43	53.43
135.0	58.54	58.66	58.66	58.73	58.72	58.78	58.75	58.78	58.72	58.73
138.0	63.42	63.57	63.55	63.62	63.64	63.64	63.65	63.64	63.64	63.62
141.0	68.00	68.14	68.13	68.17	68.22	68.20	68.22	68.20	68.22	68.17
144.0	72.53	72.71	72.72	72.73	72.77	72.75	72.84	72.75	72.77	72.73
147.0	76.94	77.15	77.20	77.21	77.20	77.26	77.35	77.26	77.20	77.21
150.0	81.52	81.69	81.74	81.77	81.80	81.81	81.86	81.81	81.80	81.77
153.0	86.31	86.44	86.45	86.49	86.59	86.55	86.56	86.55	86.59	86.49
156.0	91.32	91.40	91.39	91.45	91.57	91.50	91.48	91.50	91.57	91.45
159.0	96.60	96.67	96.64	96.67	96.82	96.72	96.70	96.72	96.82	96.67
162.0	101.9	101.9	101.9	101.9	102.1	102.0	102.0	102.0	102.1	101.9
165.0	106.9	107.0	106.9	107.0	107.2	107.1	107.1	107.1	107.2	107.0
168.0	111.9	111.9	111.9	111.9	112.0	112.0	112.0	112.0	112.0	111.9
171.0	116.1	116.2	116.2	116.1	116.3	116.3	116.3	116.3	116.3	116.1
174.0	120.0	119.9	119.6	119.8	120.1	120.0	120.0	120.0	120.1	119.8
177.0	122.2	122.0	121.8	121.9	122.3	122.1	122.1	122.1	122.3	121.9
180.0	123.4	123.1	122.9	123.1	123.5	123.3	123.3	123.3	123.5	123.1
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	13402	13402	13402	13402	13402	13402	13402	13402	13402	13402
3.0	13410	13409	13409	13409	13410	13410	13410	13410	13409	13410
6.0	13432	13432	13430	13432	13432	13433	13433	13433	13433	13433
9.0	13468	13468	13465	13468	13468	13470	13470	13470	13470	13470
12.0	13515	13515	13509	13515	13515	13517	13517	13517	13517	13517
15.0	13564	13562	13555	13562	13564	13565	13565	13566	13565	13566
18.0	13598	13597	13587	13597	13598	13600	13599	13599	13598	13599
21.0	13600	13599	13589	13599	13600	13601	13599	13599	13596	13599
24.0	13542	13541	13533	13541	13542	13542	13538	13536	13534	13536
27.0	13387	13388	13383	13388	13387	13386	13380	13376	13374	13376
30.0	13088	13089	13093	13089	13088	13085	13075	13069	13066	13069

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	12571	12575	12589	12575	12571	12565	12553	12547	12543	12547
36.0	11756	11762	11791	11762	11756	11749	11736	11731	11726	11731
39.0	10554	10565	10605	10565	10554	10546	10539	10542	10543	10542
42.0	8933	8949	8997	8949	8933	8926	8931	8943	8946	8943
45.0	6983	6983	7025	6983	6983	6979	6988	6999	7010	6999
48.0	4979	4968	5001	4968	4979	4975	4992	4999	5014	4999
51.0	3214	3210	3221	3210	3214	3220	3231	3251	3262	3251
54.0	2015	2009	2012	2009	2015	2019	2032	2039	2064	2039
57.0	1259	1252	1251	1252	1259	1262	1273	1289	1302	1289
60.0	847.6	839.0	834.8	839.0	847.6	849.7	857.1	870.3	881.9	870.3
63.0	604.3	595.8	589.2	595.8	604.3	605.7	609.0	617.7	627.9	617.7
66.0	458.8	449.7	442.6	449.7	458.8	459.2	459.5	464.8	472.2	464.8
69.0	351.1	342.8	335.3	342.8	351.1	350.7	349.4	352.1	356.4	352.1
72.0	266.5	260.4	254.4	260.4	266.5	266.3	264.8	265.0	267.9	265.0
75.0	189.9	186.7	183.6	186.7	189.9	191.7	191.3	189.3	189.1	189.3
78.0	119.9	120.0	120.1	120.0	119.9	122.7	125.2	122.3	120.9	122.3
81.0	60.57	62.29	64.11	62.29	60.57	64.53	68.16	64.81	63.36	64.81
84.0	16.68	17.41	18.70	17.41	16.68	18.60	20.11	18.37	18.48	18.37
87.0	3.597	3.628	3.580	3.628	3.597	3.625	3.630	3.648	3.651	3.648
90.0	3.115	3.170	3.134	3.170	3.115	3.152	3.132	3.161	3.171	3.161
93.0	4.416	4.475	4.452	4.475	4.416	4.448	4.428	4.455	4.451	4.455
96.0	6.148	6.228	6.202	6.228	6.148	6.187	6.165	6.188	6.181	6.188
99.0	8.283	8.363	8.342	8.363	8.283	8.330	8.297	8.327	8.314	8.327
102.0	10.77	10.82	10.81	10.82	10.77	10.81	10.79	10.81	10.81	10.81
105.0	13.53	13.59	13.58	13.59	13.53	13.58	13.57	13.60	13.61	13.60
108.0	16.64	16.68	16.67	16.68	16.64	16.69	16.69	16.71	16.73	16.71
111.0	20.09	20.13	20.11	20.13	20.09	20.15	20.15	20.17	20.19	20.17
114.0	23.91	23.94	23.93	23.94	23.91	23.97	23.97	23.99	23.99	23.99
117.0	28.12	28.14	28.13	28.14	28.12	28.16	28.16	28.18	28.20	28.18
120.0	32.70	32.73	32.72	32.73	32.70	32.74	32.76	32.84	32.78	32.84
123.0	37.58	37.63	37.64	37.63	37.58	37.65	37.68	37.69	37.69	37.69
126.0	42.75	42.78	42.81	42.78	42.75	42.80	42.84	42.84	42.82	42.84
129.0	48.05	48.08	48.03	48.08	48.05	48.09	48.11	48.13	48.12	48.13
132.0	53.40	53.41	53.31	53.41	53.40	53.43	53.43	53.47	53.46	53.47
135.0	58.66	58.66	58.54	58.66	58.66	58.73	58.72	58.78	58.75	58.78
138.0	63.55	63.57	63.42	63.57	63.55	63.62	63.64	63.64	63.65	63.64
141.0	68.13	68.14	68.00	68.14	68.13	68.17	68.22	68.20	68.22	68.20
144.0	72.72	72.71	72.53	72.71	72.72	72.73	72.77	72.75	72.84	72.75
147.0	77.20	77.15	76.94	77.15	77.20	77.21	77.20	77.26	77.35	77.26
150.0	81.74	81.69	81.52	81.69	81.74	81.77	81.80	81.81	81.86	81.81
153.0	86.45	86.44	86.31	86.44	86.45	86.49	86.59	86.55	86.56	86.55
156.0	91.39	91.40	91.32	91.40	91.39	91.45	91.57	91.50	91.48	91.50
159.0	96.64	96.67	96.60	96.67	96.64	96.67	96.82	96.72	96.70	96.72
162.0	101.9	101.9	101.9	101.9	101.9	101.9	102.1	102.0	102.0	102.0
165.0	106.9	107.0	106.9	107.0	106.9	107.0	107.2	107.1	107.1	107.1
168.0	111.9	111.9	111.9	111.9	111.9	111.9	112.0	112.0	112.0	112.0
171.0	116.2	116.2	116.1	116.2	116.2	116.1	116.3	116.3	116.3	116.3
174.0	119.6	119.9	120.0	119.9	119.6	119.8	120.1	120.0	120.0	120.0
177.0	121.8	122.0	122.2	122.0	121.8	121.9	122.3	122.1	122.1	122.1
180.0	122.9	123.1	123.4	123.1	122.9	123.1	123.5	123.3	123.3	123.3
G/C	300.0	315.0	330.0	345.0						
0.0	13402	13402	13402	13402						
3.0	13410	13410	13410	13409						
6.0	13433	13433	13432	13432						
9.0	13470	13470	13468	13468						
12.0	13517	13517	13515	13515						
15.0	13565	13565	13564	13562						
18.0	13599	13600	13598	13597						
21.0	13599	13601	13600	13599						
24.0	13538	13542	13542	13541						
27.0	13380	13386	13387	13388						
30.0	13075	13085	13088	13089						
33.0	12553	12565	12571	12575						
36.0	11736	11749	11756	11762						
39.0	10539	10546	10554	10565						
42.0	8931	8926	8933	8949						
45.0	6988	6979	6983	6983						
48.0	4992	4975	4979	4968						
51.0	3231	3220	3214	3210						
54.0	2032	2019	2015	2009						
57.0	1273	1262	1259	1252						
60.0	857.1	849.7	847.6	839.0						
63.0	609.0	605.7	604.3	595.8						
66.0	459.5	459.2	458.8	449.7						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-05

v Range: 0 - 180DEG
 v Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

69.0	349.4	350.7	351.1	342.8
72.0	264.8	266.3	266.5	260.4
75.0	191.3	191.7	189.9	186.7
78.0	125.2	122.7	119.9	120.0
81.0	68.16	64.53	60.57	62.29
84.0	20.11	18.60	16.68	17.41
87.0	3.630	3.625	3.597	3.628
90.0	3.132	3.152	3.115	3.170
93.0	4.428	4.448	4.416	4.475
96.0	6.165	6.187	6.148	6.228
99.0	8.297	8.330	8.283	8.363
102.0	10.79	10.81	10.77	10.82
105.0	13.57	13.58	13.53	13.59
108.0	16.69	16.69	16.64	16.68
111.0	20.15	20.15	20.09	20.13
114.0	23.97	23.97	23.91	23.94
117.0	28.16	28.16	28.12	28.14
120.0	32.76	32.74	32.70	32.73
123.0	37.68	37.65	37.58	37.63
126.0	42.84	42.80	42.75	42.78
129.0	48.11	48.09	48.05	48.08
132.0	53.43	53.43	53.40	53.41
135.0	58.72	58.73	58.66	58.66
138.0	63.64	63.62	63.55	63.57
141.0	68.22	68.17	68.13	68.14
144.0	72.77	72.73	72.72	72.71
147.0	77.20	77.21	77.20	77.15
150.0	81.80	81.77	81.74	81.69
153.0	86.59	86.49	86.45	86.44
156.0	91.57	91.45	91.39	91.40
159.0	96.82	96.67	96.64	96.67
162.0	102.1	101.9	101.9	101.9
165.0	107.2	107.0	106.9	107.0
168.0	112.0	111.9	111.9	111.9
171.0	116.3	116.1	116.2	116.2
174.0	120.1	119.8	119.6	119.9
177.0	122.3	121.9	121.8	122.0
180.0	123.5	123.1	122.9	123.1

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks: