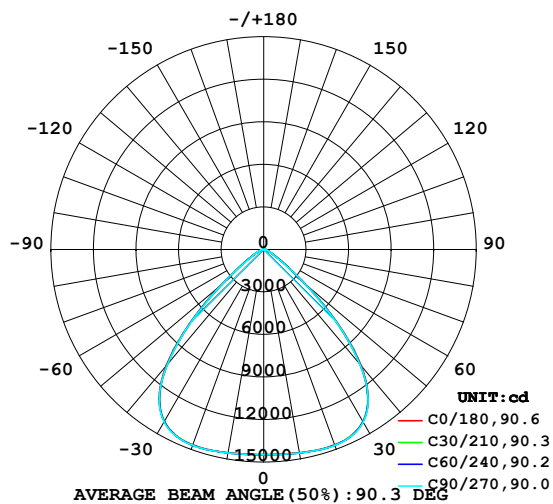


LUMINAIRE PHOTOMETRIC TEST REPORT

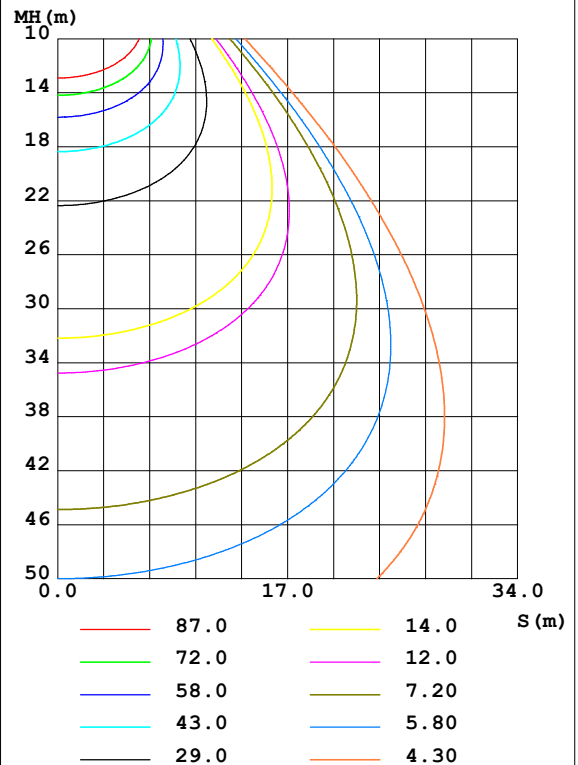
Test:U:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 191.07 lm/W			
MODEL		I _{max} (cd)	14698	S/MH (C0/180)	1.30
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	28614	η UP, DN (C0-180)	0.5, 49.5
NOMINAL FLUX (lm)	28614.3	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: 2020-04-02

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	1456	1457	1457	1457	1456	1457	1457	1457	0- 10	1386	1386	4.84,4.84
20	1466	1469	1470	1469	1466	1469	1470	1469	10- 20	4153	5539	19.4,19.4
30	1401	1402	1405	1402	1401	1402	1405	1402	20- 30	6692	12231	42.7,42.7
40	1071	1060	1056	1060	1071	1060	1056	1060	30- 40	7902	20134	70.4,70.4
50	401.7	393.4	387.1	393.4	401.7	393.4	387.1	393.4	40- 50	5581	25715	89.9,89.9
60	96.38	92.51	87.91	92.51	96.38	92.51	87.91	92.51	50- 60	1792	27507	96.1,96.1
70	36.63	35.56	35.91	35.56	36.63	35.56	35.91	35.56	60- 70	574.3	28082	98.1,98.1
80	10.31	9.359	8.756	9.359	10.31	9.359	8.756	9.359	70- 80	230.9	28313	98.9,98.9
90	0.3479	0.3358	0.3208	0.3358	0.3479	0.3358	0.3208	0.3358	80- 90	28.28	28341	99,99
100	0.9918	0.9648	0.9453	0.9648	0.9918	0.9648	0.9453	0.9648	90-100	6.635	28348	99.1,99.1
110	2.036	2.010	1.992	2.010	2.036	2.010	1.992	2.010	100-110	15.35	28363	99.1,99.1
120	3.504	3.473	3.455	3.473	3.504	3.473	3.455	3.473	110-120	26.75	28390	99.2,99.2
130	5.329	5.290	5.278	5.290	5.329	5.290	5.278	5.290	120-130	39.00	28429	99.4,99.4
140	7.129	7.086	7.096	7.086	7.129	7.086	7.096	7.086	130-140	47.94	28477	99.5,99.5
150	8.750	8.712	8.694	8.712	8.750	8.712	8.694	8.712	140-150	49.46	28526	99.7,99.7
160	10.54	10.50	10.48	10.50	10.54	10.50	10.48	10.50	150-160	44.11	28570	99.8,99.8
170	12.29	12.26	12.26	12.26	12.29	12.26	12.26	12.26	160-170	32.07	28602	100,100
180	13.16	13.15	13.14	13.15	13.16	13.15	13.14	13.15	170-180	12.10	28614	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 23468 lm

%lum = 82.0%

%lamp = 82.0%

Conical surface Flux(120deg): 27507 lm

%lum = 96.1%

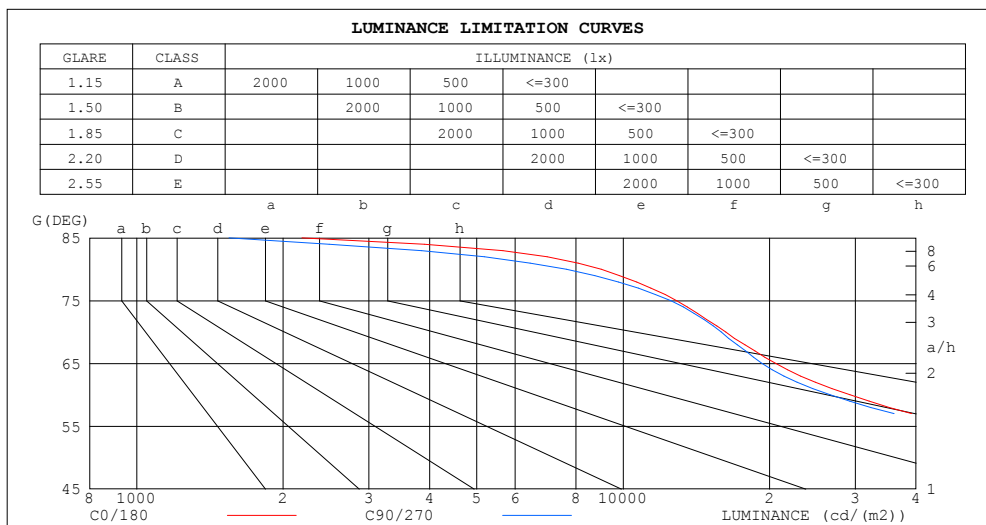
%lamp = 96.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2188	1549
80	9013	7640
75	12869	12517
70	16261	15905
65	20584	19291
60	29268	26637
55	50094	46927
50	94875	91244
45	160006	155240

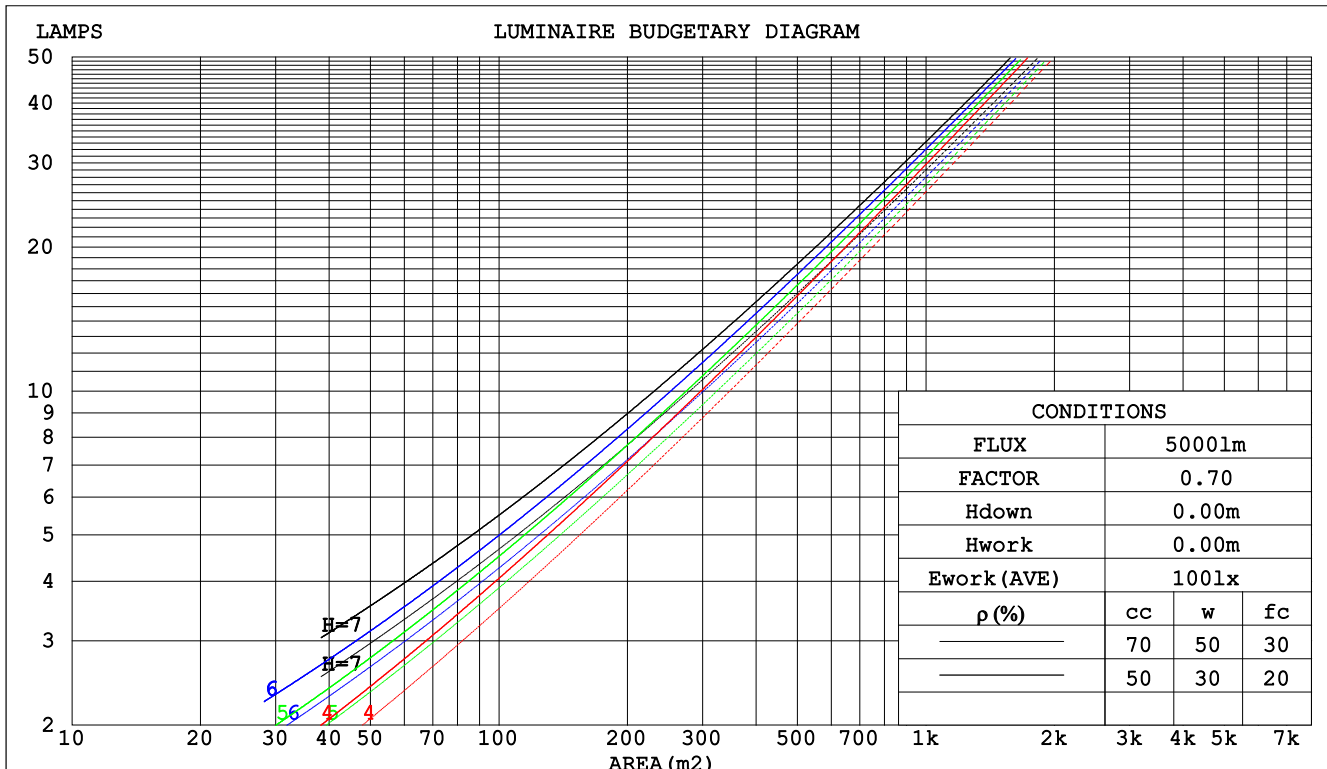
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	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						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	.74	.72
4.0	.81	.75	.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	.68	.63	.59	.58
6.0	.68	.61	.55	.67	.60	.55	.65	.59	.55	.64	.58	.54	.62	.57	.54	.52
7.0	.63	.55	.50	.62	.55	.50	.60	.54	.49	.59	.53	.49	.58	.53	.49	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.49	.45	.54	.49	.45	.53	.48	.44	.43
9.0	.53	.46	.41	.53	.46	.41	.52	.45	.41	.51	.45	.41	.50	.44	.41	.39
10.0	.49	.42	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.46	.41	.37	.36



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	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	.108	.034	.184	.103	.032	.175	.099	.031		
3.0	.204	.108	.032	.199	.106	.032	.188	.102	.031	.179	.098	.030	.171	.094	.029		
4.0	.194	.101	.030	.190	.099	.029	.181	.096	.029	.173	.093	.028	.165	.090	.027		
5.0	.185	.094	.027	.180	.093	.027	.173	.090	.026	.165	.087	.026	.159	.085	.025		
6.0	.175	.088	.025	.172	.087	.025	.165	.084	.025	.158	.082	.024	.152	.080	.024		
7.0	.167	.082	.023	.163	.081	.023	.157	.079	.023	.151	.078	.023	.146	.076	.022		
8.0	.159	.077	.022	.156	.077	.022	.150	.075	.021	.145	.073	.021	.140	.072	.021		
9.0	.151	.073	.020	.148	.072	.020	.143	.071	.020	.138	.069	.020	.134	.068	.020		
10.0	.144	.069	.019	.141	.068	.019	.137	.067	.019	.132	.066	.019	.128	.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	.136	.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	.143	.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	.042	.022	.042	.025	.013	.014	.008	.004	
10.0	.115	.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:2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm										
NAME: H03DTC-15-R380-90-40G-R7					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	15.1	16.3	15.3	16.5	16.7
3H	15.1	16.2	15.4	16.4	16.7	15.0	16.1	15.3	16.3	16.6
4H	15.1	16.1	15.4	16.3	16.6	14.9	16.0	15.2	16.2	16.5
6H	15.0	16.0	15.3	16.2	16.5	14.9	15.8	15.2	16.1	16.4
8H	14.9	15.9	15.3	16.2	16.5	14.8	15.8	15.2	16.0	16.3
12H	14.9	15.8	15.2	16.1	16.4	14.8	15.7	15.1	16.0	16.3
4H 2H	15.0	16.0	15.3	16.3	16.5	14.9	15.9	15.2	16.2	16.4
3H	15.0	15.9	15.3	16.2	16.5	14.9	15.7	15.2	16.0	16.3
4H	14.9	15.7	15.3	16.1	16.4	14.8	15.6	15.2	15.9	16.3
6H	14.9	15.6	15.3	15.9	16.3	14.8	15.5	15.2	15.8	16.2
8H	14.8	15.5	15.3	15.9	16.3	14.7	15.4	15.1	15.7	16.1
12H	14.8	15.4	15.2	15.8	16.2	14.7	15.3	15.1	15.7	16.1
8H 4H	14.8	15.5	15.2	15.9	16.2	14.7	15.4	15.1	15.7	16.1
6H	14.8	15.3	15.2	15.7	16.2	14.7	15.2	15.1	15.6	16.0
8H	14.8	15.2	15.2	15.7	16.1	14.6	15.1	15.1	15.5	16.0
12H	14.7	15.1	15.2	15.6	16.1	14.6	15.0	15.1	15.4	15.9
12H 4H	14.8	15.4	15.2	15.8	16.2	14.7	15.3	15.1	15.7	16.1
6H	14.7	15.2	15.2	15.6	16.1	14.6	15.1	15.1	15.5	16.0
8H	14.7	15.1	15.2	15.6	16.1	14.6	15.0	15.1	15.4	15.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 4.9					+ 2.2 / - 5.2				
1.5H	+ 2.2 / - 4.2					+ 2.2 / - 4.4				
2.0H	+ 5.0 / - 5.2					+ 5.0 / - 5.4				

CIE Pub.117, 28614 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

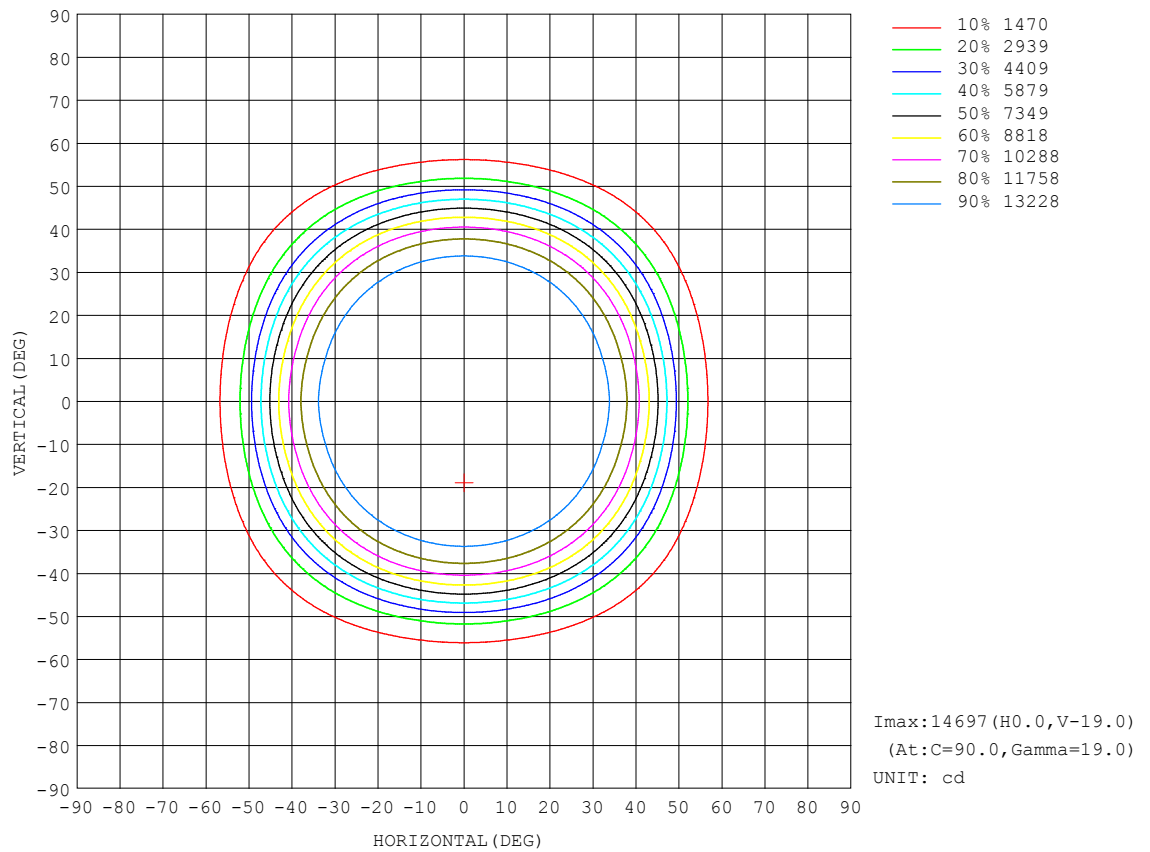
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	58	72	64	58	71	63	58	53
0.80	82	74	68	81	73	68	80	73	68	63
1.00	90	82	77	89	81	76	87	82	76	70
1.25	95	88	83	94	88	83	92	86	82	77
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	104	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: 2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

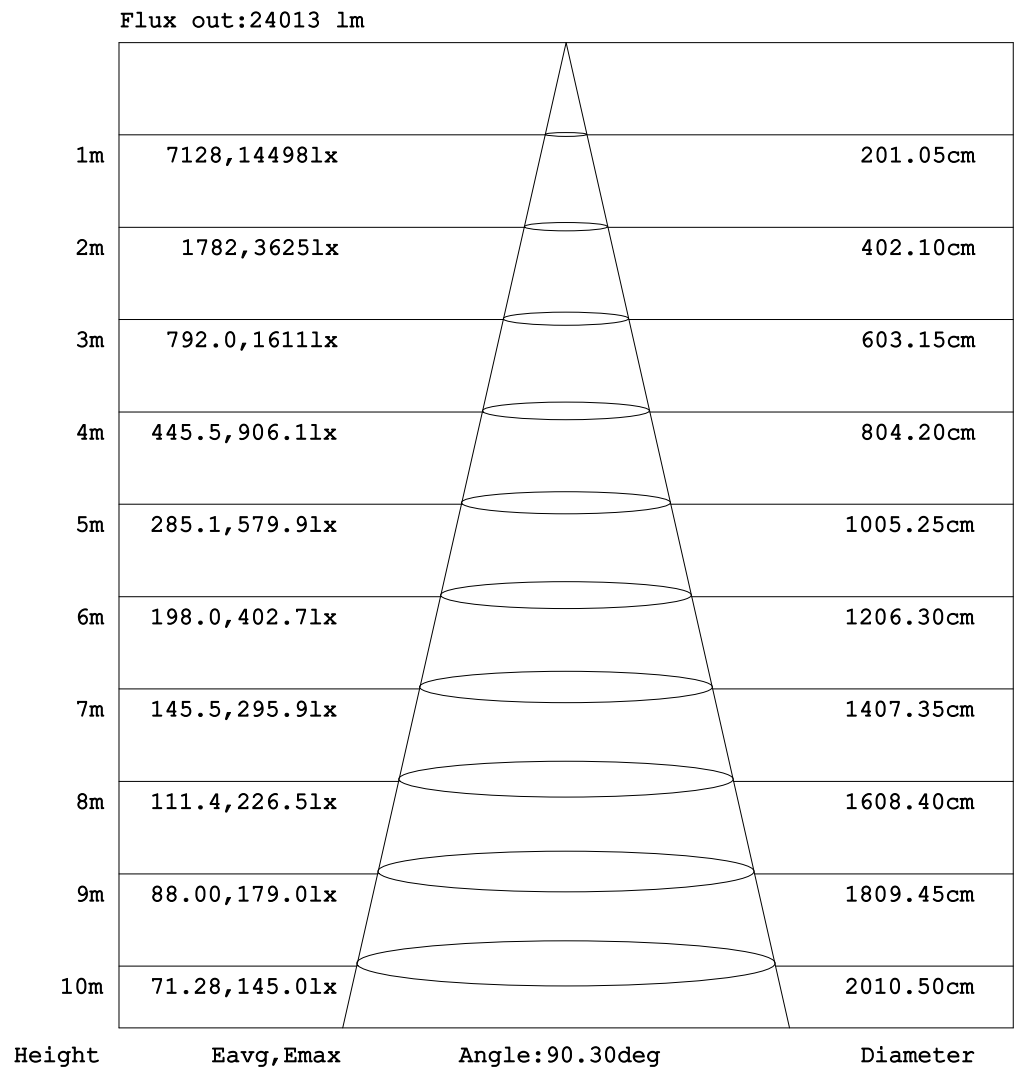


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



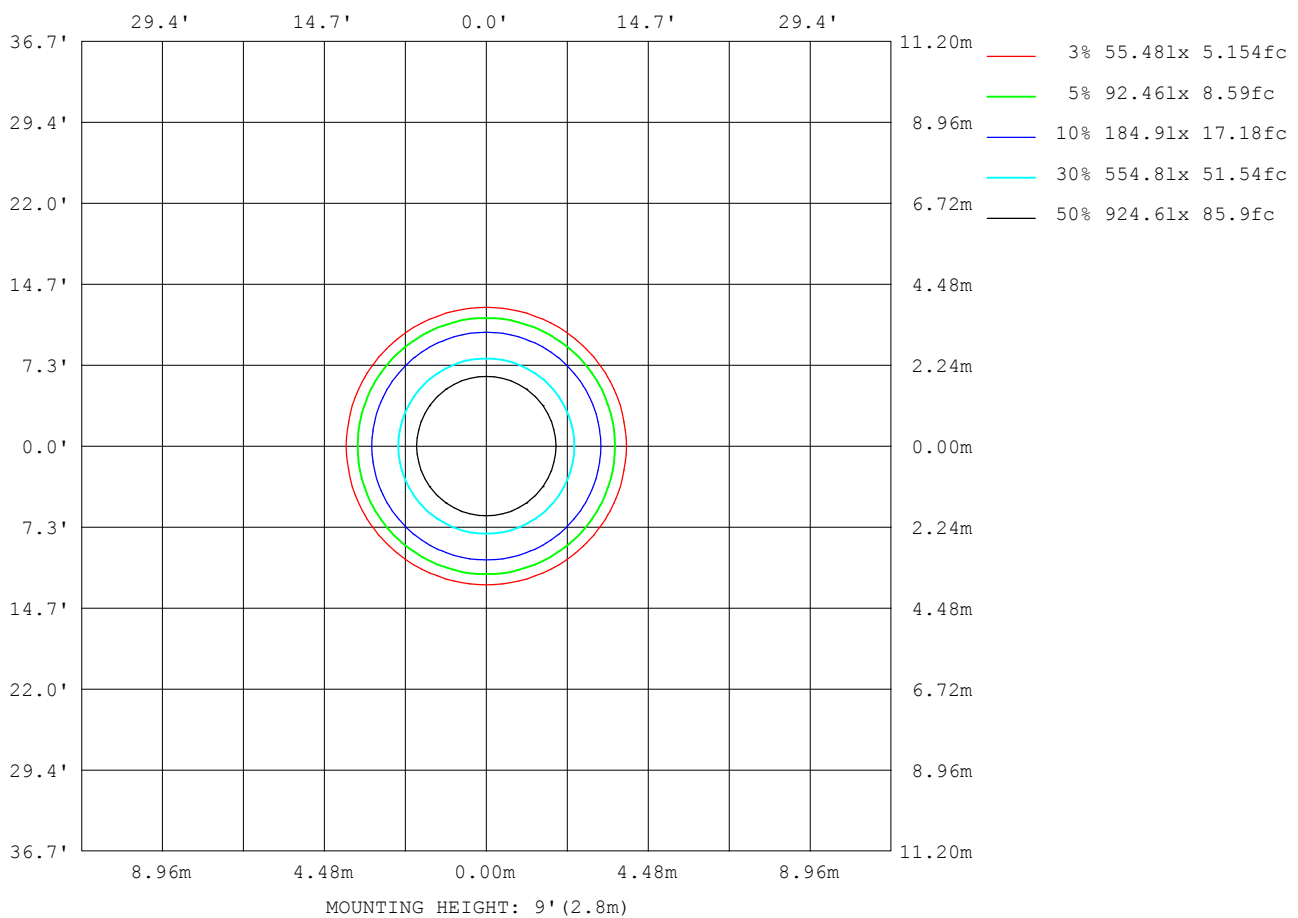
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	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:2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

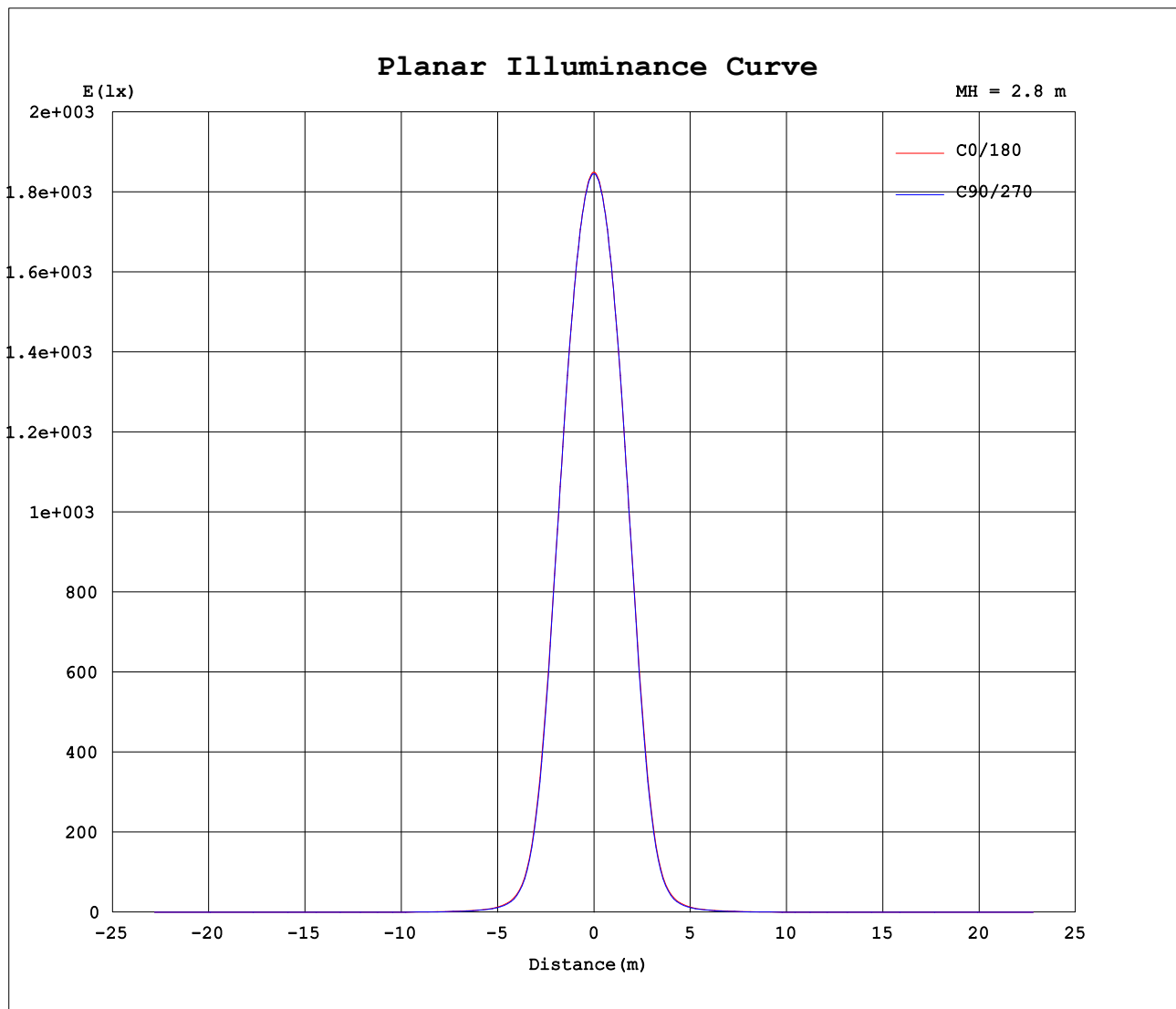
AvgL	cd/m2
L_0~180 (65) av	20542
L_0~180 (75) av	12842
L_0~180 (85) av	2183
L_90~270 (65) av	19292
L_90~270 (75) av	12518
L_90~270 (85) av	1549
L_45 (65) av	19751
L_45 (75) av	12436
L_45 (85) av	1660

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-02

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: 2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447
5	1449	1449	1450	1449	1450	1450	1450	1450	1450	1449	1450	1449	1449	1449	1450	1449	1450	1450	1450
10	1456	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1456	1457	1457	1457	1457	1457	1457
15	1464	1465	1465	1465	1466	1466	1466	1466	1466	1465	1465	1465	1464	1465	1465	1465	1466	1466	1466
20	1466	1468	1468	1469	1469	1470	1470	1470	1469	1469	1468	1468	1466	1468	1468	1469	1469	1470	1470
25	1452	1453	1453	1454	1455	1456	1456	1456	1455	1454	1453	1453	1452	1453	1453	1454	1455	1456	1456
30	1401	1400	1400	1402	1403	1404	1405	1404	1403	1402	1400	1400	1401	1400	1400	1402	1403	1404	1405
35	1286	1280	1281	1281	1283	1284	1285	1284	1283	1281	1281	1280	1286	1280	1281	1281	1283	1284	1285
40	1071	1062	1061	1060	1059	1057	1056	1057	1059	1060	1061	1062	1071	1062	1061	1060	1059	1057	1056
45	745	737	736	732	729	725	725	725	729	732	736	737	745	737	736	732	729	725	725
50	402	398	397	393	390	387	387	387	390	393	397	398	402	398	397	393	390	387	387
55	189	188	188	184	180	176	178	176	180	184	188	188	189	188	188	184	180	176	178
60	96.4	96.1	96.0	92.5	89.3	87.3	87.9	87.3	89.3	92.5	96.0	96.1	96.4	96.1	96.0	92.5	89.3	87.3	87.9
65	57.3	57.5	57.6	55.1	53.5	52.8	53.8	52.8	53.5	55.1	57.6	57.5	57.3	57.5	57.6	55.1	53.5	52.8	53.8
70	36.6	37.0	37.1	35.6	35.1	35.1	35.9	35.1	35.1	35.6	37.1	37.0	36.6	37.0	37.1	35.6	35.1	35.1	35.9
75	21.9	22.0	21.9	21.2	21.4	21.2	21.4	21.2	21.4	21.2	21.9	22.0	21.9	22.0	21.9	21.2	21.4	21.2	21.4
80	10.3	9.83	9.48	9.36	9.59	8.97	8.76	8.97	9.59	9.36	9.48	9.83	10.3	9.83	9.48	9.36	9.59	8.97	8.76
85	1.26	1.03	0.97	0.95	0.99	0.90	0.89	0.90	0.99	0.95	0.97	1.03	1.26	1.03	0.97	0.95	0.99	0.90	0.89
90	0.35	0.34	0.34	0.34	0.33	0.33	0.32	0.33	0.33	0.34	0.34	0.34	0.35	0.34	0.34	0.34	0.33	0.33	0.32
95	0.61	0.60	0.59	0.59	0.58	0.58	0.57	0.58	0.58	0.59	0.59	0.60	0.61	0.60	0.59	0.59	0.58	0.58	0.57
100	0.99	0.98	0.97	0.96	0.95	0.95	0.95	0.95	0.95	0.96	0.97	0.98	0.99	0.98	0.97	0.96	0.95	0.95	0.95
105	1.46	1.45	1.44	1.44	1.43	1.43	1.42	1.43	1.43	1.44	1.44	1.45	1.46	1.45	1.44	1.44	1.43	1.43	1.42
110	2.04	2.02	2.01	2.01	2.00	2.00	1.99	2.00	2.00	2.01	2.01	2.02	2.04	2.02	2.01	2.01	2.00	2.00	1.99
115	2.72	2.70	2.69	2.68	2.67	2.67	2.67	2.67	2.67	2.68	2.69	2.70	2.72	2.70	2.69	2.68	2.67	2.67	2.67
120	3.50	3.49	3.48	3.47	3.46	3.46	3.45	3.46	3.46	3.47	3.48	3.49	3.50	3.49	3.48	3.47	3.46	3.46	3.45
125	4.39	4.37	4.36	4.35	4.34	4.34	4.34	4.34	4.34	4.35	4.36	4.37	4.39	4.37	4.36	4.35	4.34	4.34	4.34
130	5.33	5.30	5.29	5.29	5.28	5.28	5.28	5.28	5.28	5.29	5.29	5.30	5.33	5.30	5.29	5.29	5.28	5.28	5.28
135	6.27	6.24	6.23	6.23	6.23	6.22	6.22	6.22	6.23	6.23	6.23	6.24	6.27	6.24	6.23	6.23	6.23	6.22	6.22
140	7.13	7.10	7.10	7.09	7.09	7.08	7.10	7.08	7.09	7.09	7.10	7.10	7.13	7.10	7.10	7.09	7.09	7.08	7.10
145	7.94	7.92	7.91	7.90	7.90	7.90	7.89	7.90	7.90	7.90	7.91	7.92	7.94	7.92	7.91	7.90	7.90	7.90	7.89
150	8.75	8.73	8.71	8.71	8.71	8.70	8.69	8.70	8.71	8.71	8.71	8.73	8.75	8.73	8.71	8.71	8.71	8.70	8.69
155	9.59	9.59	9.57	9.57	9.56	9.55	9.54	9.55	9.56	9.57	9.57	9.59	9.59	9.59	9.57	9.57	9.56	9.55	9.54
160	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
165	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.4	11.4	11.4	11.4	11.4	11.4
170	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
175	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
180	13.2	13.2	13.1	13.1	13.2	13.2	13.1	13.2	13.2	13.1	13.1	13.2	13.2	13.2	13.1	13.1	13.2	13.2	13.1

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-02

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:230.4V I:0.6819A P:149.8W PF:0.9531 Freq:49.99Hz Lamp Flux:28614.3x1 lm		
NAME: H03DTC-15-R380-90-40G-R7	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	1447	1447	1447	1447	1447														
5	1450	1450	1449	1450	1449														
10	1457	1457	1457	1457	1457														
15	1466	1466	1465	1465	1465														
20	1470	1469	1469	1468	1468														
25	1456	1455	1454	1453	1453														
30	1404	1403	1402	1400	1400														
35	1284	1283	1281	1281	1280														
40	1057	1059	1060	1061	1062														
45	725	729	732	736	737														
50	387	390	393	397	398														
55	176	180	184	188	188														
60	87.3	89.3	92.5	96.0	96.1														
65	52.8	53.5	55.1	57.6	57.5														
70	35.1	35.1	35.6	37.1	37.0														
75	21.2	21.4	21.2	21.9	22.0														
80	8.97	9.59	9.36	9.48	9.83														
85	0.90	0.99	0.95	0.97	1.03														
90	0.33	0.33	0.34	0.34	0.34														
95	0.58	0.58	0.59	0.59	0.60														
100	0.95	0.95	0.96	0.97	0.98														
105	1.43	1.43	1.44	1.44	1.45														
110	2.00	2.00	2.01	2.01	2.02														
115	2.67	2.67	2.68	2.69	2.70														
120	3.46	3.46	3.47	3.48	3.49														
125	4.34	4.34	4.35	4.36	4.37														
130	5.28	5.28	5.29	5.29	5.30														
135	6.22	6.23	6.23	6.23	6.24														
140	7.08	7.09	7.09	7.10	7.10														
145	7.90	7.90	7.90	7.91	7.92														
150	8.70	8.71	8.71	8.71	8.73														
155	9.55	9.56	9.57	9.57	9.59														
160	10.5	10.5	10.5	10.5	10.5														
165	11.4	11.4	11.4	11.4	11.4														
170	12.3	12.3	12.3	12.3	12.3														
175	12.9	12.9	12.9	12.9	12.9														
180	13.2	13.2	13.1	13.1	13.2														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-02

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	14468	14468	14468	14468	14468	14468	14468	14468	14468	14468
3.0	14478	14478	14478	14478	14479	14478	14479	14478	14479	14478
6.0	14503	14506	14507	14506	14507	14507	14508	14507	14507	14506
9.0	14541	14549	14550	14550	14551	14552	14553	14552	14551	14550
12.0	14590	14601	14602	14603	14606	14606	14607	14606	14606	14603
15.0	14637	14651	14654	14654	14657	14659	14660	14659	14657	14654
18.0	14665	14682	14684	14686	14690	14693	14695	14693	14690	14686
21.0	14652	14668	14671	14676	14682	14687	14688	14687	14682	14676
24.0	14568	14580	14584	14592	14600	14607	14610	14607	14600	14592
27.0	14373	14374	14380	14389	14400	14410	14415	14410	14400	14389
30.0	14014	14000	14004	14016	14028	14042	14046	14042	14028	14016
33.0	13420	13384	13386	13398	13412	13428	13432	13428	13412	13398
36.0	12518	12457	12455	12460	12471	12481	12485	12481	12471	12460
39.0	11233	11148	11142	11135	11130	11123	11119	11123	11130	11135
42.0	9523	9429	9417	9396	9369	9337	9321	9337	9369	9396
45.0	7452	7368	7359	7322	7292	7250	7245	7250	7292	7322
48.0	5329	5269	5256	5217	5185	5151	5155	5151	5185	5217
51.0	3459	3429	3422	3386	3350	3322	3325	3322	3350	3386
54.0	2175	2171	2166	2130	2106	2060	2079	2060	2106	2130
57.0	1406	1396	1394	1357	1321	1292	1296	1292	1321	1357
60.0	963.8	961.4	959.8	925.1	893.4	872.9	879.1	872.9	893.4	925.1
63.0	693.0	694.5	693.8	665.5	643.3	631.1	641.1	631.1	643.3	665.5
66.0	524.1	527.0	528.2	504.3	492.0	486.6	497.5	486.6	492.0	504.3
69.0	399.6	404.8	406.0	387.5	381.0	380.8	390.0	380.8	381.0	387.5
72.0	302.0	305.0	306.0	294.5	293.1	293.4	298.8	293.4	293.1	294.5
75.0	219.4	220.0	218.5	212.4	213.8	211.9	213.8	211.9	213.8	212.4
78.0	145.9	143.3	139.8	138.0	140.3	135.4	134.2	135.4	140.3	138.0
81.0	83.33	77.32	73.93	73.57	75.20	68.68	66.47	68.68	75.20	73.57
84.0	26.89	21.91	21.03	20.82	20.63	17.54	17.15	17.54	20.63	20.82
87.0	3.918	3.903	3.840	3.795	3.721	3.701	3.673	3.701	3.721	3.795
90.0	3.479	3.446	3.380	3.358	3.270	3.257	3.208	3.257	3.270	3.358
93.0	4.920	4.833	4.750	4.718	4.621	4.595	4.546	4.595	4.621	4.718
96.0	6.790	6.686	6.586	6.564	6.441	6.404	6.354	6.404	6.441	6.564
99.0	9.074	8.933	8.850	8.812	8.694	8.669	8.611	8.669	8.694	8.812
102.0	11.70	11.56	11.47	11.44	11.34	11.30	11.25	11.30	11.34	11.44
105.0	14.64	14.51	14.42	14.39	14.29	14.27	14.22	14.27	14.29	14.39
108.0	17.94	17.81	17.74	17.69	17.59	17.57	17.52	17.57	17.59	17.69
111.0	21.63	21.49	21.41	21.36	21.26	21.24	21.20	21.24	21.26	21.36
114.0	25.71	25.54	25.47	25.40	25.32	25.27	25.25	25.27	25.32	25.40
117.0	30.19	30.02	29.93	29.87	29.78	29.74	29.71	29.74	29.78	29.87
120.0	35.04	34.87	34.77	34.73	34.62	34.60	34.55	34.60	34.62	34.73
123.0	40.25	40.07	39.98	39.92	39.83	39.80	39.77	39.80	39.83	39.92
126.0	45.76	45.53	45.44	45.39	45.32	45.29	45.24	45.29	45.32	45.39
129.0	51.38	51.14	51.04	51.01	50.94	50.92	50.87	50.92	50.94	51.01
132.0	57.11	56.81	56.71	56.68	56.63	56.62	56.56	56.62	56.63	56.68
135.0	62.72	62.41	62.31	62.30	62.28	62.22	62.19	62.22	62.28	62.30
138.0	67.92	67.58	67.64	67.47	67.45	67.40	67.53	67.40	67.45	67.47
141.0	72.94	72.64	72.72	72.52	72.53	72.29	72.62	72.29	72.53	72.52
144.0	77.85	77.66	77.57	77.48	77.39	77.41	77.45	77.41	77.39	77.48
147.0	82.52	82.38	82.19	82.19	82.15	82.10	82.02	82.10	82.15	82.19
150.0	87.50	87.29	87.14	87.12	87.14	87.01	86.94	87.01	87.14	87.12
153.0	92.58	92.31	92.19	92.16	92.16	92.01	91.93	92.01	92.16	92.16
156.0	97.92	97.67	97.53	97.51	97.48	97.36	97.27	97.36	97.48	97.51
159.0	103.5	103.2	103.1	103.1	103.1	103.0	102.9	103.0	103.1	103.1
162.0	109.2	108.8	108.7	108.7	108.6	108.6	108.6	108.6	108.8	108.7
165.0	114.5	114.3	114.2	114.2	114.2	114.1	114.0	114.1	114.2	114.2
168.0	119.7	119.5	119.5	119.5	119.4	119.3	119.3	119.4	119.5	119.4
171.0	124.2	124.1	124.0	124.0	124.1	124.0	123.9	124.0	124.1	124.0
174.0	127.9	127.9	127.7	127.8	127.9	127.8	127.7	127.8	127.9	127.8
177.0	130.3	130.2	130.1	130.2	130.3	130.2	130.1	130.2	130.3	130.2
180.0	131.6	131.5	131.4	131.5	131.6	131.5	131.4	131.5	131.6	131.5
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	14468	14468	14468	14468	14468	14468	14468	14468	14468	14468
3.0	14478	14478	14478	14478	14478	14478	14479	14478	14479	14478
6.0	14507	14506	14503	14506	14507	14506	14507	14507	14508	14507
9.0	14550	14549	14541	14549	14550	14550	14551	14552	14553	14552
12.0	14602	14601	14590	14601	14602	14603	14606	14606	14607	14606
15.0	14654	14651	14637	14651	14654	14654	14657	14659	14660	14659
18.0	14684	14682	14665	14682	14684	14686	14690	14693	14695	14693
21.0	14671	14668	14652	14668	14671	14676	14682	14687	14688	14687
24.0	14584	14580	14568	14580	14584	14592	14600	14607	14610	14607
27.0	14380	14374	14373	14374	14380	14389	14400	14410	14415	14410
30.0	14004	14000	14014	14000	14004	14016	14028	14042	14046	14042

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-02

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	13386	13384	13420	13384	13386	13398	13412	13428	13432	13428
36.0	12455	12457	12518	12457	12455	12460	12471	12481	12485	12481
39.0	11142	11148	11233	11148	11142	11135	11130	11123	11119	11123
42.0	9417	9429	9523	9429	9417	9396	9369	9337	9321	9337
45.0	7359	7368	7452	7368	7359	7322	7292	7250	7245	7250
48.0	5256	5269	5329	5269	5256	5217	5185	5151	5155	5151
51.0	3422	3429	3459	3429	3422	3386	3350	3322	3325	3322
54.0	2166	2171	2175	2171	2166	2130	2106	2060	2079	2060
57.0	1394	1396	1406	1396	1394	1357	1321	1292	1296	1292
60.0	959.8	961.4	963.8	961.4	959.8	925.1	893.4	872.9	879.1	872.9
63.0	693.8	694.5	693.0	694.5	693.8	665.5	643.3	631.1	641.1	631.1
66.0	528.2	527.0	524.1	527.0	528.2	504.3	492.0	486.6	497.5	486.6
69.0	406.0	404.8	399.6	404.8	406.0	387.5	381.0	380.8	390.0	380.8
72.0	306.0	305.0	302.0	305.0	306.0	294.5	293.1	293.4	298.8	293.4
75.0	218.5	220.0	219.4	220.0	218.5	212.4	213.8	211.9	213.8	211.9
78.0	139.8	143.3	145.9	143.3	139.8	138.0	140.3	135.4	134.2	135.4
81.0	73.93	77.32	83.33	77.32	73.93	73.57	75.20	68.68	66.47	68.68
84.0	21.03	21.91	26.89	21.91	21.03	20.82	20.63	17.54	17.15	17.54
87.0	3.840	3.903	3.918	3.903	3.840	3.795	3.721	3.701	3.673	3.701
90.0	3.380	3.446	3.479	3.446	3.380	3.358	3.270	3.257	3.208	3.257
93.0	4.750	4.833	4.920	4.833	4.750	4.718	4.621	4.595	4.546	4.595
96.0	6.586	6.686	6.790	6.686	6.586	6.564	6.441	6.404	6.354	6.404
99.0	8.850	8.933	9.074	8.933	8.850	8.812	8.694	8.669	8.611	8.669
102.0	11.47	11.56	11.70	11.56	11.47	11.44	11.34	11.30	11.25	11.30
105.0	14.42	14.51	14.64	14.51	14.42	14.39	14.29	14.27	14.22	14.27
108.0	17.74	17.81	17.94	17.81	17.74	17.69	17.59	17.57	17.52	17.57
111.0	21.41	21.49	21.63	21.49	21.41	21.36	21.26	21.24	21.20	21.24
114.0	25.47	25.54	25.71	25.54	25.47	25.40	25.32	25.27	25.25	25.27
117.0	29.93	30.02	30.19	30.02	29.93	29.87	29.78	29.74	29.71	29.74
120.0	34.77	34.87	35.04	34.87	34.77	34.73	34.62	34.60	34.55	34.60
123.0	39.98	40.07	40.25	40.07	39.98	39.92	39.83	39.80	39.77	39.80
126.0	45.44	45.53	45.76	45.53	45.44	45.39	45.32	45.29	45.24	45.29
129.0	51.04	51.14	51.38	51.14	51.04	51.01	50.94	50.92	50.87	50.92
132.0	56.71	56.81	57.11	56.81	56.71	56.68	56.63	56.62	56.56	56.62
135.0	62.31	62.41	62.72	62.41	62.31	62.30	62.28	62.22	62.19	62.22
138.0	67.64	67.58	67.92	67.58	67.64	67.47	67.45	67.40	67.53	67.40
141.0	72.72	72.64	72.94	72.64	72.72	72.52	72.53	72.29	72.62	72.29
144.0	77.57	77.66	77.85	77.66	77.57	77.48	77.39	77.41	77.45	77.41
147.0	82.19	82.38	82.52	82.38	82.19	82.19	82.15	82.10	82.02	82.10
150.0	87.14	87.29	87.50	87.29	87.14	87.12	87.14	87.01	86.94	87.01
153.0	92.19	92.31	92.58	92.31	92.19	92.16	92.16	92.01	91.93	92.01
156.0	97.53	97.67	97.92	97.67	97.53	97.51	97.48	97.36	97.27	97.36
159.0	103.1	103.2	103.5	103.2	103.1	103.1	103.1	103.0	102.9	103.0
162.0	108.7	108.8	109.2	108.8	108.7	108.7	108.8	108.6	108.6	108.6
165.0	114.2	114.3	114.5	114.3	114.2	114.2	114.2	114.1	114.0	114.1
168.0	119.5	119.5	119.7	119.5	119.5	119.4	119.5	119.4	119.3	119.4
171.0	124.0	124.1	124.2	124.1	124.0	124.0	124.1	124.0	123.9	124.0
174.0	127.7	127.9	127.9	127.9	127.7	127.8	127.9	127.8	127.7	127.8
177.0	130.1	130.2	130.3	130.2	130.1	130.2	130.3	130.2	130.1	130.2
180.0	131.4	131.5	131.6	131.5	131.4	131.5	131.6	131.5	131.4	131.5
G/C	300.0	315.0	330.0	345.0						
0.0	14468	14468	14468	14468						
3.0	14479	14478	14478	14478						
6.0	14507	14506	14507	14506						
9.0	14551	14550	14550	14549						
12.0	14606	14603	14602	14601						
15.0	14657	14654	14654	14651						
18.0	14690	14686	14684	14682						
21.0	14682	14676	14671	14668						
24.0	14600	14592	14584	14580						
27.0	14400	14389	14380	14374						
30.0	14028	14016	14004	14000						
33.0	13412	13398	13386	13384						
36.0	12471	12460	12455	12457						
39.0	11130	11135	11142	11148						
42.0	9369	9396	9417	9429						
45.0	7292	7322	7359	7368						
48.0	5185	5217	5256	5269						
51.0	3350	3386	3422	3429						
54.0	2106	2130	2166	2171						
57.0	1321	1357	1394	1396						
60.0	893.4	925.1	959.8	961.4						
63.0	643.3	665.5	693.8	694.5						
66.0	492.0	504.3	528.2	527.0						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-02

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]

69.0	381.0	387.5	406.0	404.8
72.0	293.1	294.5	306.0	305.0
75.0	213.8	212.4	218.5	220.0
78.0	140.3	138.0	139.8	143.3
81.0	75.20	73.57	73.93	77.32
84.0	20.63	20.82	21.03	21.91
87.0	3.721	3.795	3.840	3.903
90.0	3.270	3.358	3.380	3.446
93.0	4.621	4.718	4.750	4.833
96.0	6.441	6.564	6.586	6.686
99.0	8.694	8.812	8.850	8.933
102.0	11.34	11.44	11.47	11.56
105.0	14.29	14.39	14.42	14.51
108.0	17.59	17.69	17.74	17.81
111.0	21.26	21.36	21.41	21.49
114.0	25.32	25.40	25.47	25.54
117.0	29.78	29.87	29.93	30.02
120.0	34.62	34.73	34.77	34.87
123.0	39.83	39.92	39.98	40.07
126.0	45.32	45.39	45.44	45.53
129.0	50.94	51.01	51.04	51.14
132.0	56.63	56.68	56.71	56.81
135.0	62.28	62.30	62.31	62.41
138.0	67.45	67.47	67.64	67.58
141.0	72.53	72.52	72.72	72.64
144.0	77.39	77.48	77.57	77.66
147.0	82.15	82.19	82.19	82.38
150.0	87.14	87.12	87.14	87.29
153.0	92.16	92.16	92.19	92.31
156.0	97.48	97.51	97.53	97.67
159.0	103.1	103.1	103.1	103.2
162.0	108.8	108.7	108.7	108.8
165.0	114.2	114.2	114.2	114.3
168.0	119.5	119.4	119.5	119.5
171.0	124.1	124.0	124.0	124.1
174.0	127.9	127.8	127.7	127.9
177.0	130.3	130.2	130.1	130.2
180.0	131.6	131.5	131.4	131.5

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-02

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: