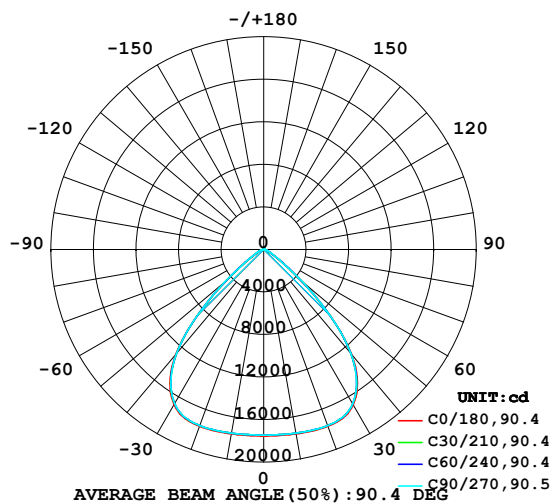


LUMINAIRE PHOTOMETRIC TEST REPORT

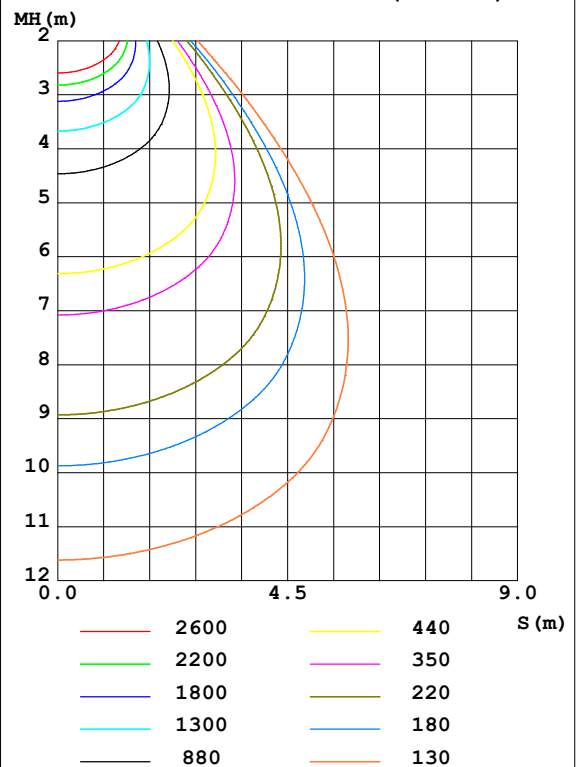
Test:U:230.4V I:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 190.27 lm/W			
MODEL		I _{max} (cd)	17696	S/MH (C0/180)	1.30
NOMINAL POWER(W)	180	LOR(%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	34260	η UP,DN(C0-180)	0.5,49.5
NOMINAL FLUX(lm)	34260.2	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: 2020-04-07

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:

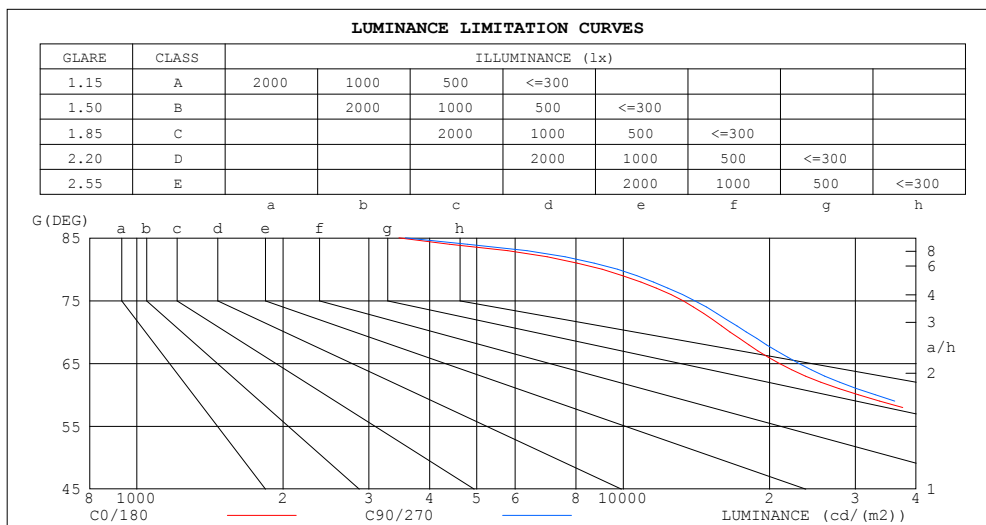
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1761	1754	1753	1754	1761	1754	1753	1754	0- 10	1671	1671	4.88,4.88
20	1769	1762	1762	1762	1769	1762	1762	1762	10- 20	4991	6662	19.4,19.4
30	1686	1676	1674	1676	1686	1676	1674	1676	20- 30	8030	14692	42.9,42.9
40	1284	1275	1275	1275	1284	1275	1275	1275	30- 40	9434	24125	70.4,70.4
50	478.8	477.2	479.9	477.2	478.8	477.2	479.9	477.2	40- 50	6761	30886	90.2,90.2
60	100.5	104.8	108.7	104.8	100.5	104.8	108.7	104.8	50- 60	2115	33001	96.3,96.3
70	37.43	39.24	40.44	39.24	37.43	39.24	40.44	39.24	60- 70	639.1	33640	98.2,98.2
80	10.38	10.89	11.17	10.89	10.38	10.89	11.17	10.89	70- 80	251.6	33892	98.9,98.9
90	0.4076	0.4369	0.4430	0.4369	0.4076	0.4369	0.4430	0.4369	80- 90	37.79	33929	99,99
100	1.158	1.191	1.199	1.191	1.158	1.191	1.199	1.191	90-100	8.308	33938	99.1,99.1
110	2.423	2.433	2.446	2.433	2.423	2.433	2.446	2.433	100-110	18.67	33956	99.1,99.1
120	4.203	4.193	4.206	4.193	4.203	4.193	4.206	4.193	110-120	32.31	33989	99.2,99.2
130	6.422	6.397	6.408	6.397	6.422	6.397	6.408	6.397	120-130	47.12	34036	99.3,99.3
140	8.607	8.570	8.577	8.570	8.607	8.570	8.577	8.570	130-140	57.97	34094	99.5,99.5
150	10.58	10.53	10.55	10.53	10.58	10.53	10.55	10.53	140-150	59.76	34154	99.7,99.7
160	12.77	12.67	12.68	12.67	12.77	12.67	12.68	12.67	150-160	53.30	34207	99.8,99.8
170	14.97	14.80	14.80	14.80	14.97	14.80	14.80	14.80	160-170	38.73	34246	100,100
180	16.04	15.84	15.85	15.84	16.04	15.84	15.85	15.84	170-180	14.60	34260	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-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	3457	3566
80	9058	9745
75	13271	14004
70	16582	17913
65	20935	22965
60	30450	32950
55	55841	56888
50	112864	113116
45	191800	191393

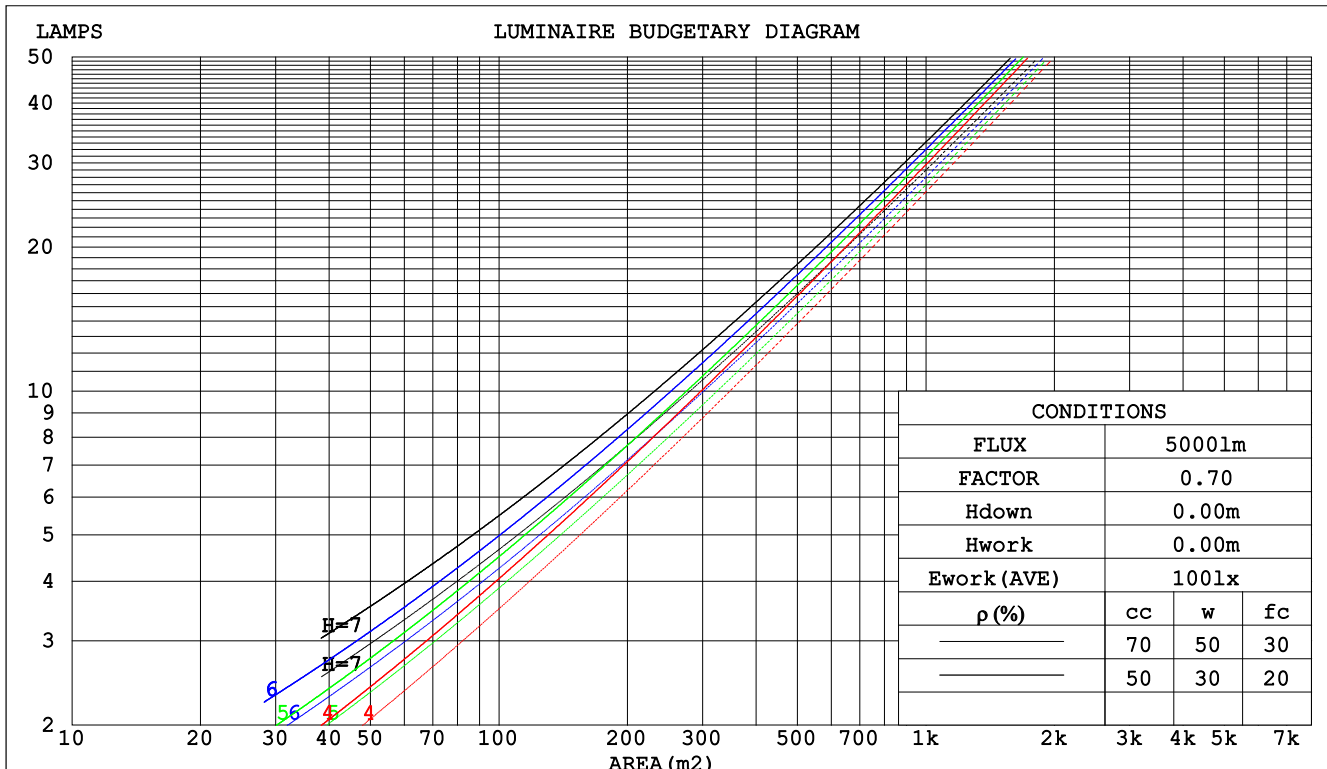
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-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	.99	.94	.89	.97	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.90	.83	.78	.88	.82	.78	.85	.80	.76	.82	.78	.75	.80	.77	.74	.72
4.0	.82	.75	.69	.80	.74	.69	.78	.72	.68	.76	.71	.67	.73	.69	.66	.64
5.0	.74	.67	.62	.73	.67	.62	.71	.65	.61	.69	.64	.60	.68	.63	.60	.58
6.0	.68	.61	.56	.67	.60	.55	.66	.59	.55	.64	.58	.54	.62	.58	.54	.52
7.0	.63	.55	.50	.62	.55	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.49	.45	.55	.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	.50	.43	.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:2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-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	.217	.124	.039	.210	.120	.038	.197	.113	.036	.185	.106	.034	.173	.100	.032		
2.0	.212	.116	.036	.206	.113	.035	.194	.108	.034	.184	.103	.032	.174	.098	.031		
3.0	.203	.108	.032	.198	.106	.032	.188	.102	.031	.179	.098	.030	.170	.094	.029		
4.0	.194	.101	.030	.189	.099	.029	.180	.096	.029	.172	.092	.028	.164	.089	.027		
5.0	.184	.094	.027	.180	.092	.027	.172	.090	.026	.165	.087	.026	.158	.085	.025		
6.0	.175	.088	.025	.171	.087	.025	.164	.084	.025	.158	.082	.024	.152	.080	.024		
7.0	.166	.082	.023	.163	.081	.023	.157	.079	.023	.151	.077	.023	.146	.076	.022		
8.0	.158	.077	.022	.155	.076	.022	.150	.075	.021	.144	.073	.021	.139	.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	.064	.018		

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	.100	.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	.062	.123	.083	.054	.085	.058	.038	.049	.034	.022	.016	.011	.007		
6.0	.137	.088	.052	.118	.076	.046	.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	.036	.104	.060	.031	.072	.043	.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:2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm											
NAME: H03DTC-18-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	15.1	16.3	15.4	16.5	16.7	15.2	16.4	15.4	16.6	16.8	
	3H	15.0	16.1	15.3	16.3	16.6	15.1	16.2	15.4	16.4	16.6
	4H	15.0	16.0	15.3	16.2	16.5	15.0	16.0	15.3	16.3	16.5
	6H	14.9	15.8	15.2	16.1	16.4	14.9	15.9	15.3	16.2	16.4
	8H	14.8	15.8	15.2	16.0	16.3	14.9	15.8	15.2	16.1	16.4
	12H	14.8	15.7	15.1	16.0	16.3	14.8	15.7	15.2	16.0	16.3
4H	2H	14.9	16.0	15.2	16.2	16.5	15.0	16.0	15.3	16.3	16.5
	3H	14.9	15.7	15.2	16.0	16.3	14.9	15.8	15.3	16.1	16.4
	4H	14.8	15.6	15.2	15.9	16.3	14.9	15.7	15.2	16.0	16.3
	6H	14.7	15.4	15.2	15.8	16.2	14.8	15.5	15.2	15.9	16.2
	8H	14.7	15.4	15.1	15.7	16.1	14.8	15.4	15.2	15.8	16.2
	12H	14.7	15.3	15.1	15.6	16.1	14.7	15.3	15.2	15.7	16.1
8H	4H	14.7	15.3	15.1	15.7	16.1	14.8	15.4	15.2	15.8	16.2
	6H	14.6	15.2	15.1	15.6	16.0	14.7	15.2	15.2	15.6	16.1
	8H	14.6	15.1	15.1	15.5	16.0	14.7	15.1	15.1	15.6	16.0
	12H	14.6	15.0	15.1	15.4	15.9	14.6	15.0	15.1	15.5	16.0
12H	4H	14.7	15.2	15.1	15.6	16.1	14.7	15.3	15.1	15.7	16.1
	6H	14.6	15.1	15.1	15.5	16.0	14.7	15.1	15.1	15.6	16.0
	8H	14.6	15.0	15.1	15.4	15.9	14.6	15.0	15.1	15.5	16.0
Variations with the observer position at spacings:											
S = 1.0H	+ 2.2 / - 5.5					+ 2.2 / - 5.2					
1.5H	+ 2.2 / - 4.6					+ 2.2 / - 4.5					
2.0H	+ 5.2 / - 5.8					+ 5.1 / - 5.7					

CIE Pub.117, 34260 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.3$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

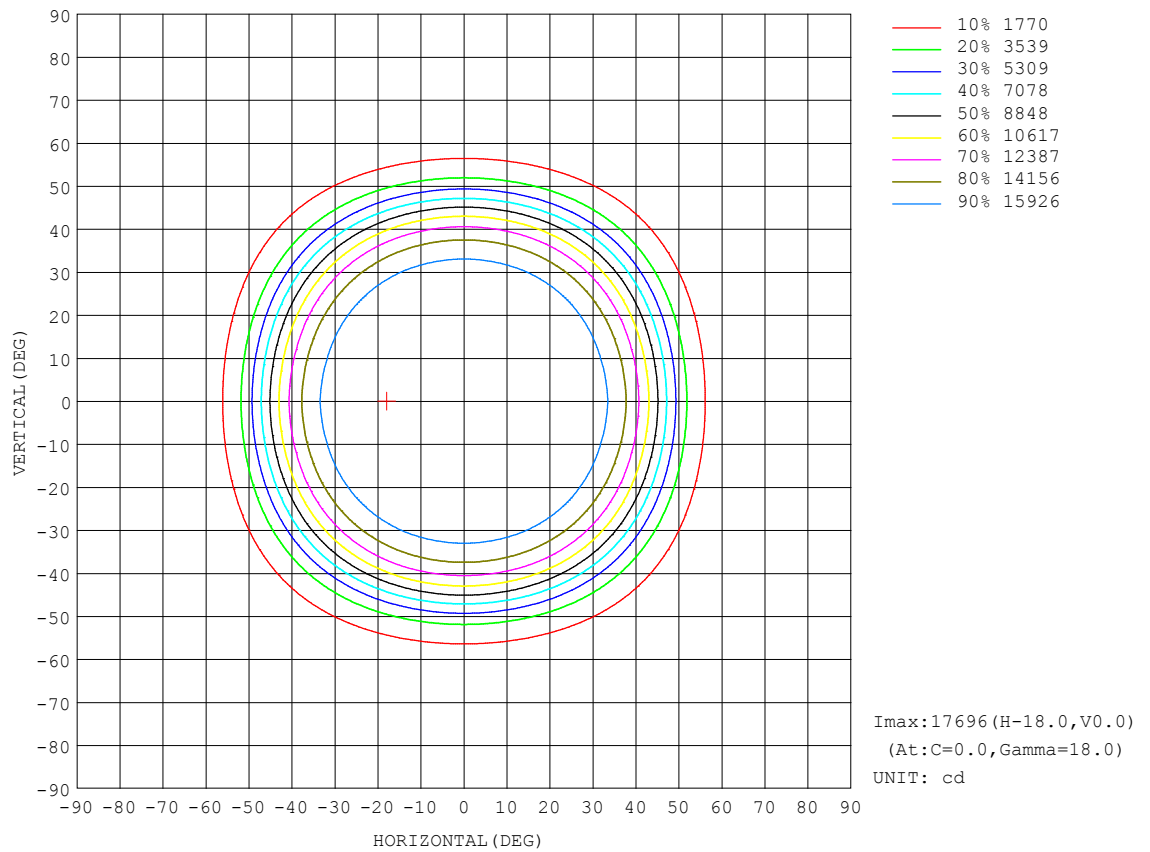
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	58	72	64	58	71	63	58	53
0.80	82	74	69	81	73	68	80	73	68	63
1.00	90	82	77	89	81	76	87	82	76	71
1.25	95	88	83	94	88	83	92	86	82	77
1.50	99	93	88	98	92	87	95	90	86	81
2.00	104	98	94	102	97	93	99	95	92	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: 2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

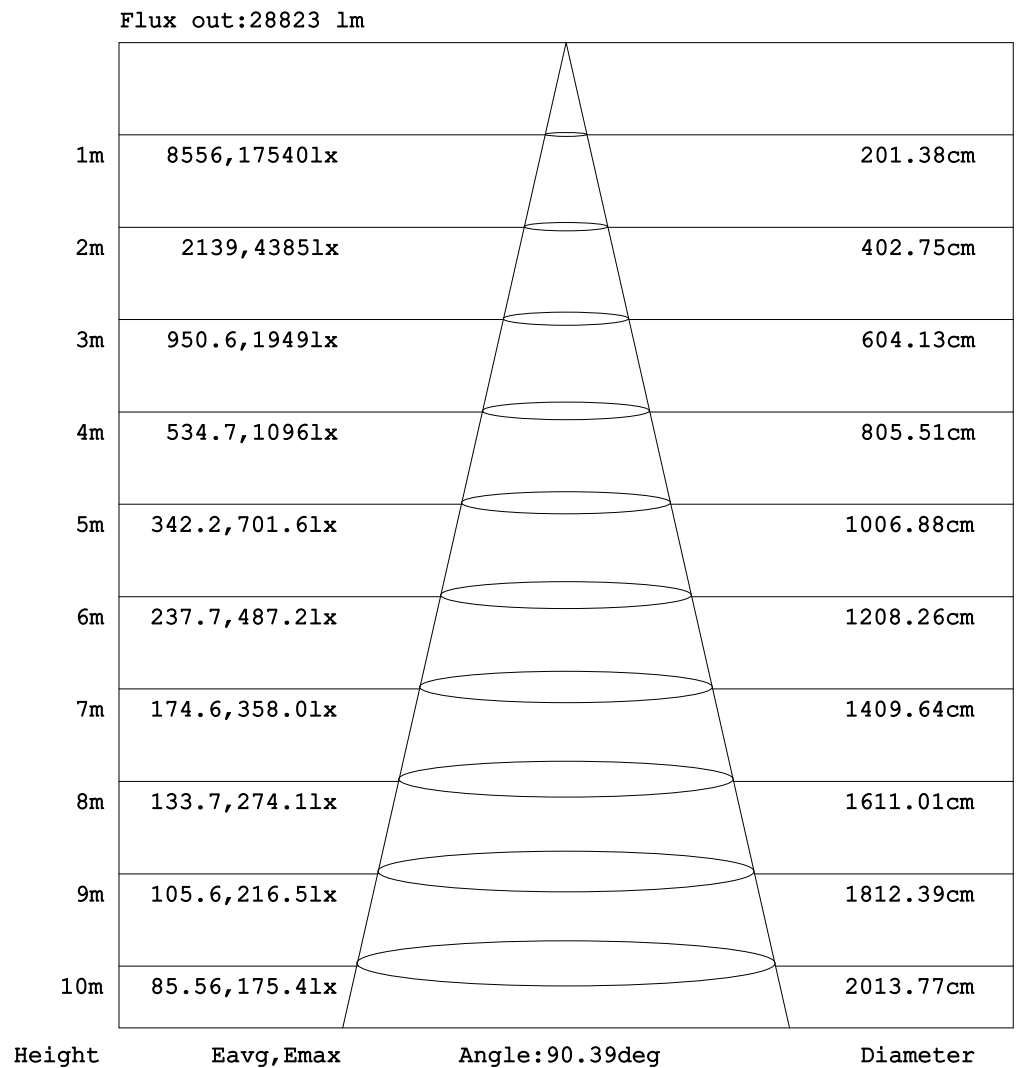


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



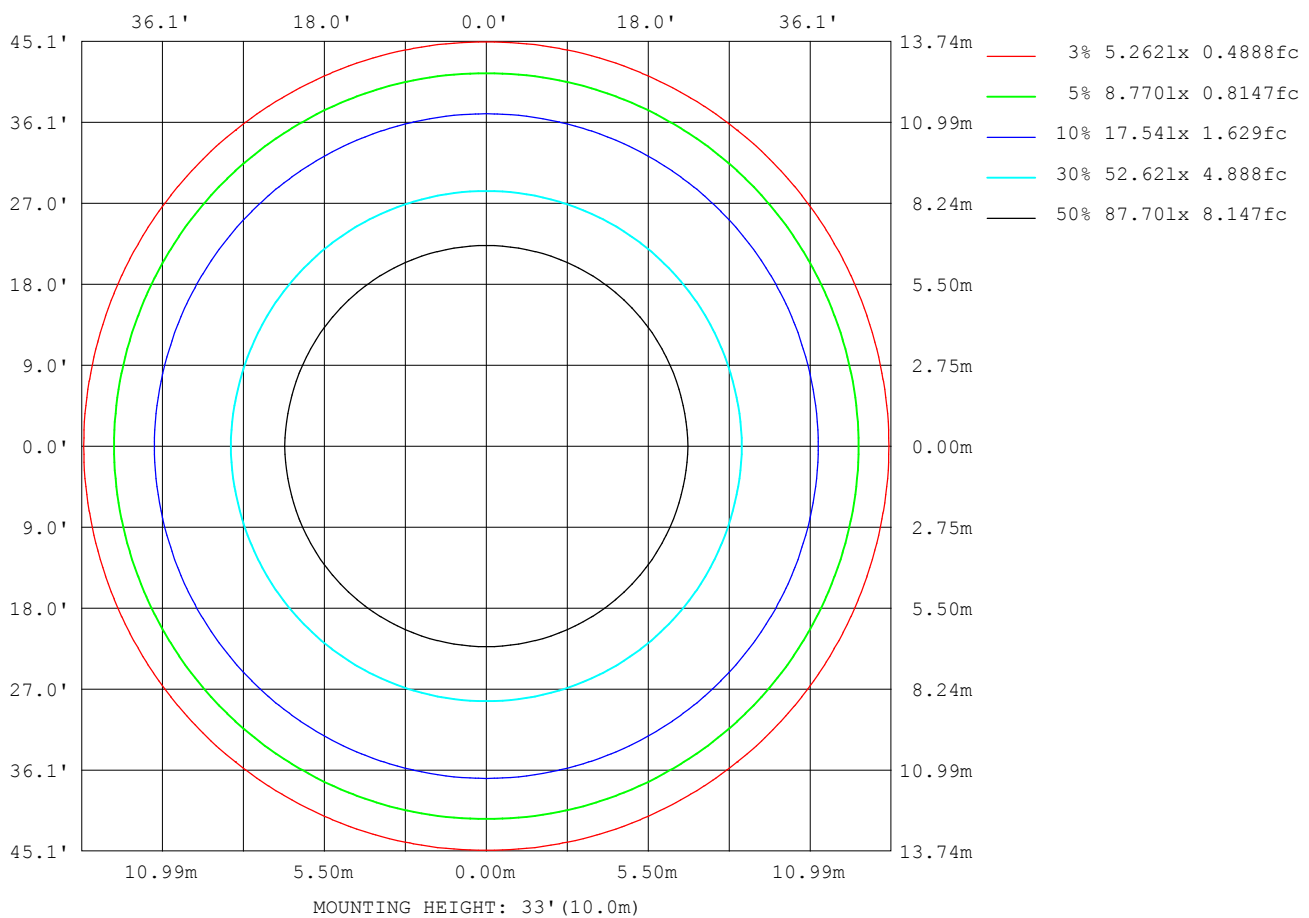
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-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:2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-R380-90-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

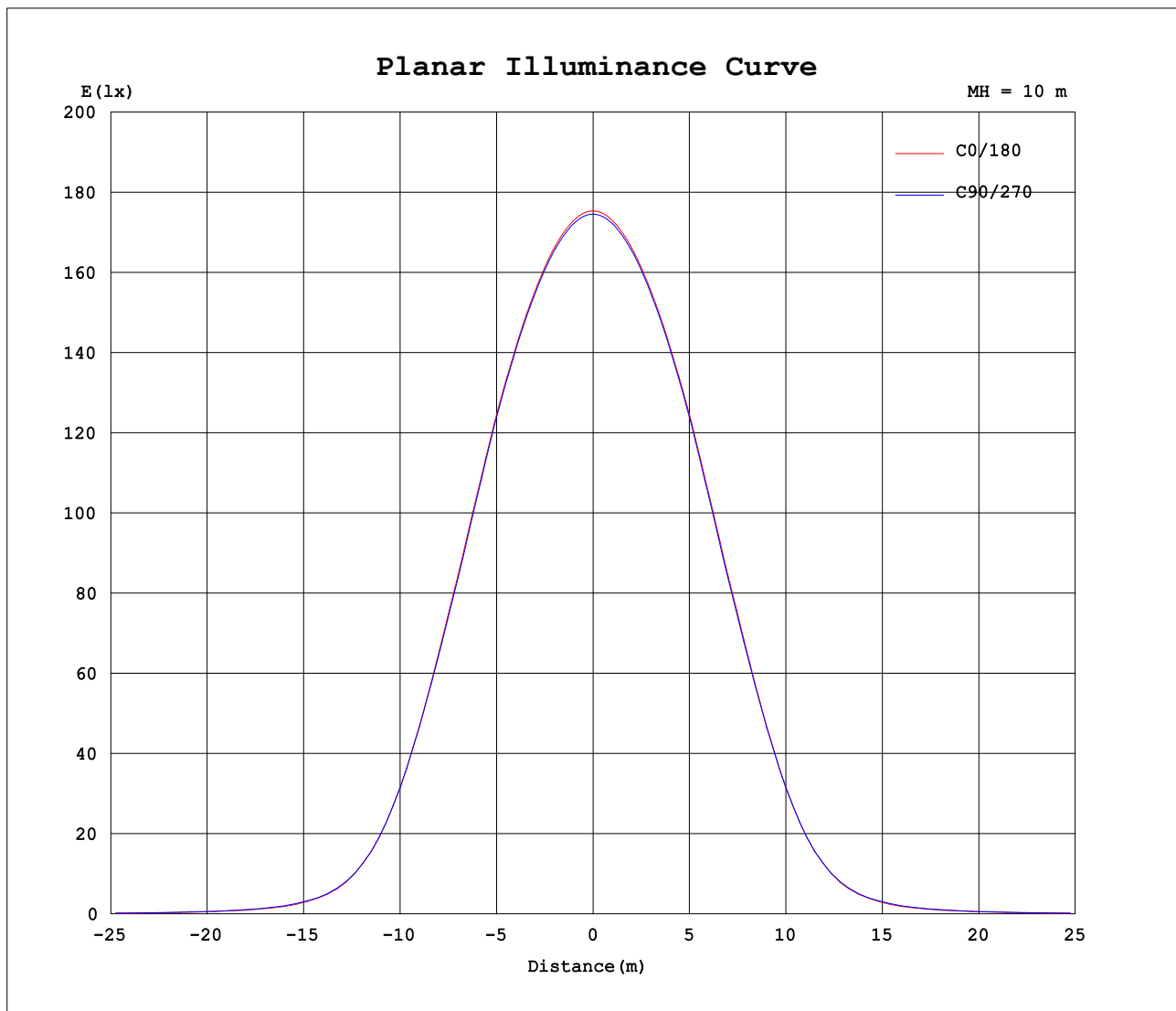
AvgL	cd/m2
L_0~180 (65) av	20935
L_0~180 (75) av	13271
L_0~180 (85) av	3457
L_90~270 (65) av	22965
L_90~270 (75) av	14004
L_90~270 (85) av	3566
L_45 (65) av	22028
L_45 (75) av	13719
L_45 (85) av	3543

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-07

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: 2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm																		
NAME: H03DTC-18-R380-90-40G-R7									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: ERVAN									SUR.:					Shielding Angle:				

Table--1

UNIT: ×10cd

γ (DEG) \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1754	1746	1746	1746	1746	1745	1745	1745	1746	1746	1746	1746	1754	1746	1746	1746	1746	1745	1745
5	1756	1748	1748	1748	1748	1747	1748	1747	1748	1748	1748	1748	1756	1748	1748	1748	1748	1747	1748
10	1761	1754	1754	1754	1753	1753	1753	1753	1753	1754	1754	1754	1761	1754	1754	1754	1753	1753	1753
15	1768	1761	1761	1761	1760	1760	1760	1760	1760	1761	1761	1761	1768	1761	1761	1761	1760	1760	1760
20	1769	1762	1762	1762	1762	1761	1762	1761	1762	1762	1762	1762	1769	1762	1762	1762	1762	1761	1762
25	1754	1747	1747	1746	1746	1745	1745	1745	1746	1746	1747	1747	1754	1747	1747	1746	1746	1745	1745
30	1686	1678	1677	1676	1675	1674	1674	1674	1675	1676	1677	1678	1686	1678	1677	1676	1675	1674	1674
35	1538	1528	1527	1526	1526	1524	1524	1524	1526	1526	1527	1528	1538	1528	1527	1526	1526	1524	1524
40	1284	1273	1274	1275	1275	1274	1275	1274	1275	1275	1274	1273	1284	1273	1274	1275	1275	1274	1275
45	895	887	889	890	892	892	893	892	892	890	889	887	895	887	889	890	892	892	893
50	479	474	475	477	478	479	480	479	478	477	475	474	479	474	475	477	478	479	480
55	211	209	211	215	213	219	215	219	213	215	211	209	211	209	211	215	213	219	215
60	100	101	103	105	106	108	109	108	106	105	103	101	100	101	103	105	106	108	109
65	58.4	59.3	60.3	61.4	62.3	63.8	64.1	63.8	62.3	61.4	60.3	59.3	58.4	59.3	60.3	61.4	62.3	63.8	64.1
70	37.4	38.1	38.5	39.2	39.3	40.3	40.4	40.3	39.3	39.2	38.5	38.1	37.4	38.1	38.5	39.2	39.3	40.3	40.4
75	22.7	22.9	23.0	23.4	23.6	24.0	23.9	24.0	23.6	23.4	23.0	22.9	22.7	22.9	23.0	23.4	23.6	24.0	23.9
80	10.4	10.5	10.4	10.9	11.4	11.5	11.2	11.5	11.4	10.9	10.4	10.5	10.4	10.5	10.4	10.9	11.4	11.5	11.2
85	1.99	2.00	1.95	2.04	2.17	2.23	2.05	2.23	2.17	2.04	1.95	2.00	1.99	2.00	1.95	2.04	2.17	2.23	2.05
90	0.41	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.43	0.41	0.43	0.43	0.44	0.44	0.44	0.44
95	0.71	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.74	0.74	0.73	0.73	0.71	0.73	0.73	0.74	0.74	0.75	0.75
100	1.16	1.18	1.18	1.19	1.19	1.20	1.20	1.20	1.19	1.19	1.18	1.18	1.16	1.18	1.18	1.19	1.19	1.20	1.20
105	1.73	1.74	1.74	1.75	1.76	1.76	1.76	1.76	1.76	1.75	1.74	1.74	1.73	1.74	1.74	1.75	1.76	1.76	1.76
110	2.42	2.43	2.42	2.43	2.44	2.44	2.45	2.44	2.44	2.43	2.42	2.43	2.42	2.43	2.42	2.43	2.44	2.44	2.45
115	3.24	3.23	3.23	3.24	3.25	3.25	3.25	3.25	3.25	3.24	3.23	3.23	3.24	3.23	3.23	3.24	3.25	3.25	3.25
120	4.20	4.18	4.18	4.19	4.20	4.20	4.21	4.20	4.20	4.19	4.18	4.18	4.20	4.18	4.18	4.19	4.20	4.20	4.21
125	5.28	5.25	5.25	5.26	5.27	5.27	5.27	5.27	5.27	5.26	5.25	5.25	5.28	5.25	5.25	5.26	5.27	5.27	5.27
130	6.42	6.39	6.39	6.40	6.40	6.40	6.41	6.40	6.40	6.40	6.39	6.39	6.42	6.39	6.39	6.40	6.40	6.40	6.41
135	7.56	7.52	7.53	7.53	7.54	7.54	7.55	7.54	7.54	7.53	7.53	7.52	7.56	7.52	7.53	7.53	7.54	7.54	7.55
140	8.61	8.56	8.56	8.57	8.56	8.58	8.58	8.58	8.56	8.57	8.56	8.56	8.61	8.56	8.56	8.57	8.56	8.58	8.58
145	9.60	9.55	9.55	9.56	9.55	9.58	9.57	9.58	9.55	9.56	9.55	9.55	9.60	9.55	9.55	9.56	9.55	9.58	9.57
150	10.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.5	10.5	10.5	10.5	10.5	10.5
155	11.6	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5	11.6	11.5	11.6	11.6	11.6	11.6	11.6
160	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	12.7	12.7	12.7	12.7	12.7	12.7
165	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.8	13.8	13.8	13.8	13.8	13.8
170	15.0	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	15.0	14.8	14.8	14.8	14.8	14.8	14.8
175	15.7	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.7	15.5	15.5	15.5	15.5	15.5	15.5
180	16.0	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	16.0	15.8	15.8	15.8	15.8	15.8	15.8

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-07

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:0.8111A P:180.1W PF:0.9634 Freq:49.99Hz Lamp Flux:34260.2x1 lm		
NAME: H03DTC-18-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	1745	1746	1746	1746	1746														
5	1747	1748	1748	1748	1748														
10	1753	1753	1754	1754	1754														
15	1760	1760	1761	1761	1761														
20	1761	1762	1762	1762	1762														
25	1745	1746	1746	1747	1747														
30	1674	1675	1676	1677	1678														
35	1524	1526	1526	1527	1528														
40	1274	1275	1275	1274	1273														
45	892	892	890	889	887														
50	479	478	477	475	474														
55	219	213	215	211	209														
60	108	106	105	103	101														
65	63.8	62.3	61.4	60.3	59.3														
70	40.3	39.3	39.2	38.5	38.1														
75	24.0	23.6	23.4	23.0	22.9														
80	11.5	11.4	10.9	10.4	10.5														
85	2.23	2.17	2.04	1.95	2.00														
90	0.44	0.44	0.44	0.43	0.43														
95	0.75	0.74	0.74	0.73	0.73														
100	1.20	1.19	1.19	1.18	1.18														
105	1.76	1.76	1.75	1.74	1.74														
110	2.44	2.44	2.43	2.42	2.43														
115	3.25	3.25	3.24	3.23	3.23														
120	4.20	4.20	4.19	4.18	4.18														
125	5.27	5.27	5.26	5.25	5.25														
130	6.40	6.40	6.40	6.39	6.39														
135	7.54	7.54	7.53	7.53	7.52														
140	8.58	8.56	8.57	8.56	8.56														
145	9.58	9.55	9.56	9.55	9.55														
150	10.5	10.5	10.5	10.5	10.5														
155	11.6	11.6	11.6	11.6	11.5														
160	12.7	12.7	12.7	12.7	12.7														
165	13.8	13.8	13.8	13.8	13.8														
170	14.8	14.8	14.8	14.8	14.8														
175	15.5	15.5	15.5	15.5	15.5														
180	15.8	15.8	15.8	15.8	15.8														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-07

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	17540	17464	17461	17458	17457	17453	17454	17453	17457	17458
3.0	17546	17471	17467	17466	17463	17460	17462	17460	17463	17466
6.0	17565	17491	17488	17487	17485	17482	17484	17482	17485	17487
9.0	17599	17527	17523	17523	17520	17517	17518	17517	17520	17523
12.0	17639	17569	17565	17565	17562	17558	17561	17558	17562	17565
15.0	17677	17608	17606	17605	17603	17599	17603	17599	17603	17605
18.0	17696	17629	17628	17628	17626	17621	17625	17621	17626	17628
21.0	17676	17611	17610	17609	17607	17601	17605	17601	17607	17609
24.0	17591	17523	17521	17518	17514	17505	17508	17505	17514	17518
27.0	17359	17287	17282	17272	17267	17257	17261	17257	17267	17272
30.0	16856	16777	16767	16757	16752	16742	16744	16742	16752	16757
33.0	16071	15982	15969	15960	15952	15938	15937	15938	15952	15960
36.0	14977	14877	14867	14859	14849	14834	14833	14834	14849	14859
39.0	13459	13354	13356	13355	13356	13344	13347	13344	13356	13355
42.0	11425	11327	11345	11360	11371	11372	11378	11372	11371	11360
45.0	8951	8866	8892	8903	8925	8924	8932	8924	8925	8903
48.0	6334	6279	6291	6308	6319	6329	6333	6329	6319	6308
51.0	4097	4042	4035	4076	4069	4103	4079	4103	4069	4076
54.0	2463	2449	2465	2490	2507	2525	2525	2525	2507	2490
57.0	1524	1538	1554	1564	1595	1604	1628	1604	1595	1564
60.0	1005	1012	1029	1048	1064	1085	1087	1085	1064	1048
63.0	709.6	718.4	731.0	745.9	757.2	774.8	777.8	774.8	757.2	745.9
66.0	534.0	543.0	551.1	561.7	568.2	582.5	585.2	582.5	568.2	561.7
69.0	410.3	416.8	422.6	430.2	432.3	442.9	444.9	442.9	432.3	430.2
72.0	311.3	316.2	318.7	323.5	324.6	331.3	332.5	331.3	324.6	323.5
75.0	226.7	229.3	230.2	234.3	235.8	239.6	239.2	239.6	235.8	234.3
78.0	149.1	150.2	150.3	154.8	158.4	160.2	158.3	160.2	158.4	154.8
81.0	83.13	83.87	83.20	87.75	92.73	94.12	89.96	94.12	92.73	87.75
84.0	30.33	31.12	30.76	32.55	35.45	36.40	33.03	36.40	35.45	32.55
87.0	8.516	8.652	8.717	8.791	8.777	8.870	8.887	8.870	8.777	8.791
90.0	4.076	4.256	4.285	4.369	4.382	4.442	4.440	4.442	4.369	4.382
93.0	5.660	5.873	5.905	6.015	6.025	6.090	6.068	6.090	6.025	6.015
96.0	7.846	8.070	8.111	8.225	8.241	8.326	8.309	8.326	8.241	8.225
99.0	10.58	10.77	10.81	10.92	10.94	11.03	11.00	11.03	10.94	10.92
102.0	13.70	13.88	13.91	14.03	14.04	14.12	14.10	14.12	14.04	14.03
105.0	17.28	17.38	17.42	17.51	17.55	17.60	17.62	17.60	17.55	17.51
108.0	21.29	21.31	21.36	21.46	21.49	21.54	21.56	21.54	21.49	21.46
111.0	25.77	25.72	25.75	25.84	25.89	25.95	25.96	25.95	25.89	25.84
114.0	30.69	30.59	30.63	30.71	30.76	30.80	30.83	30.80	30.76	30.71
117.0	36.12	35.94	35.98	36.07	36.11	36.16	36.18	36.16	36.11	36.07
120.0	42.03	41.81	41.85	41.93	41.99	42.02	42.06	42.02	41.99	41.93
123.0	48.37	48.11	48.15	48.24	48.29	48.33	48.35	48.33	48.29	48.24
126.0	55.08	54.74	54.80	54.86	54.92	54.95	54.98	54.95	54.92	54.86
129.0	61.92	61.56	61.60	61.68	61.70	61.75	61.78	61.75	61.70	61.68
132.0	68.83	68.43	68.48	68.54	68.58	68.61	68.65	68.61	68.58	68.54
135.0	75.60	75.22	75.30	75.34	75.37	75.44	75.49	75.44	75.37	75.34
138.0	82.04	81.61	81.64	81.74	81.71	81.82	81.80	81.82	81.71	81.74
141.0	88.06	87.53	87.61	87.67	87.62	87.76	87.75	87.76	87.62	87.67
144.0	94.03	93.50	93.53	93.64	93.55	93.59	93.76	93.59	93.55	93.64
147.0	99.81	99.25	99.29	99.43	99.28	99.51	99.54	99.51	99.28	99.43
150.0	105.8	105.1	105.2	105.3	105.2	105.4	105.5	105.4	105.2	105.3
153.0	112.0	111.2	111.3	111.4	111.4	111.5	111.6	111.5	111.4	111.4
156.0	118.5	117.6	117.7	117.8	117.8	117.9	118.0	117.9	117.8	117.8
159.0	125.4	124.3	124.4	124.5	124.5	124.6	124.6	124.6	124.5	124.5
162.0	132.3	131.1	131.2	131.2	131.2	131.3	131.4	131.3	131.2	131.2
165.0	139.1	137.7	137.8	137.8	137.8	137.8	137.9	137.8	137.8	137.8
168.0	145.7	144.2	144.3	144.2	144.2	144.2	144.3	144.2	144.2	144.2
171.0	151.4	149.7	149.7	149.7	149.7	149.6	149.7	149.6	149.7	149.7
174.0	156.0	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2
177.0	158.9	156.9	156.9	157.0	157.0	156.9	156.9	156.9	157.0	157.0
180.0	160.4	158.4	158.4	158.4	158.4	158.4	158.5	158.4	158.4	158.4
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	17461	17464	17540	17464	17461	17458	17457	17453	17454	17453
3.0	17467	17471	17546	17471	17467	17466	17463	17460	17462	17460
6.0	17488	17491	17565	17491	17488	17487	17485	17482	17484	17482
9.0	17523	17527	17599	17527	17523	17523	17520	17517	17518	17517
12.0	17565	17569	17639	17569	17565	17565	17562	17558	17561	17558
15.0	17606	17608	17677	17608	17606	17605	17603	17599	17603	17599
18.0	17628	17629	17696	17629	17628	17628	17626	17621	17625	17621
21.0	17610	17611	17676	17611	17610	17609	17607	17601	17605	17601
24.0	17521	17523	17591	17523	17521	17518	17514	17505	17508	17505
27.0	17282	17287	17359	17287	17282	17272	17267	17257	17261	17257
30.0	16767	16777	16856	16777	16767	16757	16752	16742	16744	16742

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-07

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]

33.0	15969	15982	16071	15982	15969	15960	15952	15938	15937	15938
36.0	14867	14877	14977	14877	14867	14859	14849	14834	14833	14834
39.0	13356	13354	13459	13354	13356	13355	13356	13344	13347	13344
42.0	11345	11327	11425	11327	11345	11360	11371	11372	11378	11372
45.0	8892	8866	8951	8866	8892	8903	8925	8924	8932	8924
48.0	6291	6279	6334	6279	6291	6308	6319	6329	6333	6329
51.0	4035	4042	4097	4042	4035	4076	4069	4103	4079	4103
54.0	2465	2449	2463	2449	2465	2490	2507	2525	2525	2525
57.0	1554	1538	1524	1538	1554	1564	1595	1604	1628	1604
60.0	1029	1012	1005	1012	1029	1048	1064	1085	1087	1085
63.0	731.0	718.4	709.6	718.4	731.0	745.9	757.2	774.8	777.8	774.8
66.0	551.1	543.0	534.0	543.0	551.1	561.7	568.2	582.5	585.2	582.5
69.0	422.6	416.8	410.3	416.8	422.6	430.2	432.3	442.9	444.9	442.9
72.0	318.7	316.2	311.3	316.2	318.7	323.5	324.6	331.3	332.5	331.3
75.0	230.2	229.3	226.7	229.3	230.2	234.3	235.8	239.6	239.2	239.6
78.0	150.3	150.2	149.1	150.2	150.3	154.8	158.4	160.2	158.3	160.2
81.0	83.20	83.87	83.13	83.87	83.20	87.75	92.73	94.12	89.96	94.12
84.0	30.76	31.12	30.33	31.12	30.76	32.55	35.45	36.40	33.03	36.40
87.0	8.717	8.652	8.516	8.652	8.717	8.791	8.777	8.870	8.887	8.870
90.0	4.285	4.256	4.076	4.256	4.285	4.369	4.382	4.442	4.430	4.442
93.0	5.905	5.873	5.660	5.873	5.905	6.015	6.025	6.090	6.068	6.090
96.0	8.111	8.070	7.846	8.070	8.111	8.225	8.241	8.326	8.309	8.326
99.0	10.81	10.77	10.58	10.77	10.81	10.92	10.94	11.03	11.00	11.03
102.0	13.91	13.88	13.70	13.88	13.91	14.03	14.04	14.12	14.10	14.12
105.0	17.42	17.38	17.28	17.38	17.42	17.51	17.55	17.60	17.62	17.60
108.0	21.36	21.31	21.29	21.31	21.36	21.46	21.49	21.54	21.56	21.54
111.0	25.75	25.72	25.77	25.72	25.75	25.84	25.89	25.95	25.96	25.95
114.0	30.63	30.59	30.69	30.59	30.63	30.71	30.76	30.80	30.83	30.80
117.0	35.98	35.94	36.12	35.94	35.98	36.07	36.11	36.16	36.18	36.16
120.0	41.85	41.81	42.03	41.81	41.85	41.93	41.99	42.02	42.06	42.02
123.0	48.15	48.11	48.37	48.11	48.15	48.24	48.29	48.33	48.35	48.33
126.0	54.80	54.74	55.08	54.74	54.80	54.86	54.92	54.95	54.98	54.95
129.0	61.60	61.56	61.92	61.56	61.60	61.68	61.70	61.75	61.78	61.75
132.0	68.48	68.43	68.83	68.43	68.48	68.54	68.58	68.61	68.65	68.61
135.0	75.30	75.22	75.60	75.22	75.30	75.34	75.37	75.44	75.49	75.44
138.0	81.64	81.61	82.04	81.61	81.64	81.74	81.71	81.82	81.80	81.82
141.0	87.61	87.53	88.06	87.53	87.61	87.67	87.62	87.76	87.75	87.76
144.0	93.53	93.50	94.03	93.50	93.53	93.64	93.55	93.59	93.76	93.59
147.0	99.29	99.25	99.81	99.25	99.29	99.43	99.28	99.51	99.54	99.51
150.0	105.2	105.1	105.8	105.1	105.2	105.3	105.2	105.4	105.5	105.4
153.0	111.3	111.2	112.0	111.2	111.3	111.4	111.4	111.5	111.6	111.5
156.0	117.7	117.6	118.5	117.6	117.7	117.8	117.8	117.9	118.0	117.9
159.0	124.4	124.3	125.4	124.3	124.4	124.5	124.5	124.6	124.6	124.6
162.0	131.2	131.1	132.3	131.1	131.2	131.2	131.2	131.3	131.4	131.3
165.0	137.8	137.7	139.1	137.7	137.8	137.8	137.8	137.8	137.9	137.8
168.0	144.3	144.2	145.7	144.2	144.3	144.2	144.2	144.2	144.3	144.2
171.0	149.7	149.7	151.4	149.7	149.7	149.7	149.7	149.6	149.7	149.6
174.0	154.2	154.2	156.0	154.2	154.2	154.2	154.2	154.2	154.2	154.2
177.0	156.9	156.9	158.9	156.9	156.9	157.0	157.0	156.9	156.9	156.9
180.0	158.4	158.4	160.4	158.4	158.4	158.4	158.4	158.4	158.5	158.4
G/C	300.0	315.0	330.0	345.0						
0.0	17457	17458	17461	17464						
3.0	17463	17466	17467	17471						
6.0	17485	17487	17488	17491						
9.0	17520	17523	17523	17527						
12.0	17562	17565	17565	17569						
15.0	17603	17605	17606	17608						
18.0	17626	17628	17628	17629						
21.0	17607	17609	17610	17611						
24.0	17514	17518	17521	17523						
27.0	17267	17272	17282	17287						
30.0	16752	16757	16767	16777						
33.0	15952	15960	15969	15982						
36.0	14849	14859	14867	14877						
39.0	13356	13355	13356	13354						
42.0	11371	11360	11345	11327						
45.0	8925	8903	8892	8866						
48.0	6319	6308	6291	6279						
51.0	4069	4076	4035	4042						
54.0	2507	2490	2465	2449						
57.0	1595	1564	1554	1538						
60.0	1064	1048	1029	1012						
63.0	757.2	745.9	731.0	718.4						
66.0	568.2	561.7	551.1	543.0						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-07

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	432.3	430.2	422.6	416.8
72.0	324.6	323.5	318.7	316.2
75.0	235.8	234.3	230.2	229.3
78.0	158.4	154.8	150.3	150.2
81.0	92.73	87.75	83.20	83.87
84.0	35.45	32.55	30.76	31.12
87.0	8.777	8.791	8.717	8.652
90.0	4.382	4.369	4.285	4.256
93.0	6.025	6.015	5.905	5.873
96.0	8.241	8.225	8.111	8.070
99.0	10.94	10.92	10.81	10.77
102.0	14.04	14.03	13.91	13.88
105.0	17.55	17.51	17.42	17.38
108.0	21.49	21.46	21.36	21.31
111.0	25.89	25.84	25.75	25.72
114.0	30.76	30.71	30.63	30.59
117.0	36.11	36.07	35.98	35.94
120.0	41.99	41.93	41.85	41.81
123.0	48.29	48.24	48.15	48.11
126.0	54.92	54.86	54.80	54.74
129.0	61.70	61.68	61.60	61.56
132.0	68.58	68.54	68.48	68.43
135.0	75.37	75.34	75.30	75.22
138.0	81.71	81.74	81.64	81.61
141.0	87.62	87.67	87.61	87.53
144.0	93.55	93.64	93.53	93.50
147.0	99.28	99.43	99.29	99.25
150.0	105.2	105.3	105.2	105.1
153.0	111.4	111.4	111.3	111.2
156.0	117.8	117.8	117.7	117.6
159.0	124.5	124.5	124.4	124.3
162.0	131.2	131.2	131.2	131.1
165.0	137.8	137.8	137.8	137.7
168.0	144.2	144.2	144.3	144.2
171.0	149.7	149.7	149.7	149.7
174.0	154.2	154.2	154.2	154.2
177.0	157.0	157.0	156.9	156.9
180.0	158.4	158.4	158.4	158.4

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-07

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: