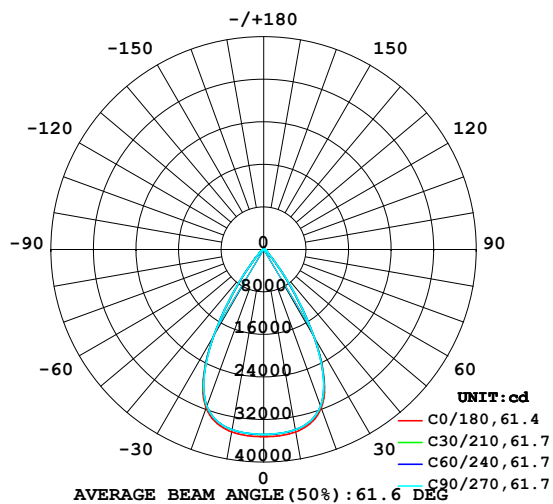


LUMINAIRE PHOTOMETRIC TEST REPORT

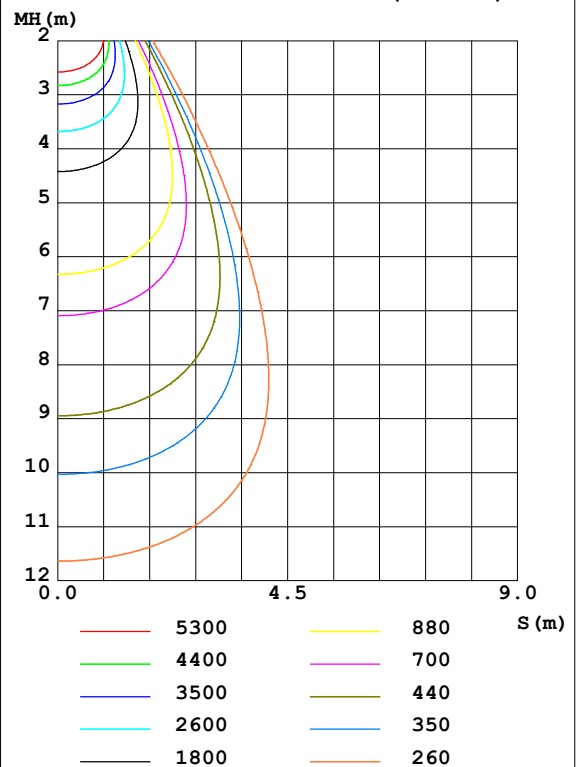
Test:U:230.4V I:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 192.78 lm/W			
MODEL		I _{max} (cd)	35208	S/MH (C0/180)	0.90
NOMINAL POWER(W)	180	LOR(%)	100.0	S/MH (C90/270)	0.90
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	34566	η UP,DN(C0-180)	0.5,49.5
NOMINAL FLUX(lm)	34566.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,49.5
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down (%)	99.0	CIBSE SHR MAX	0.90

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:

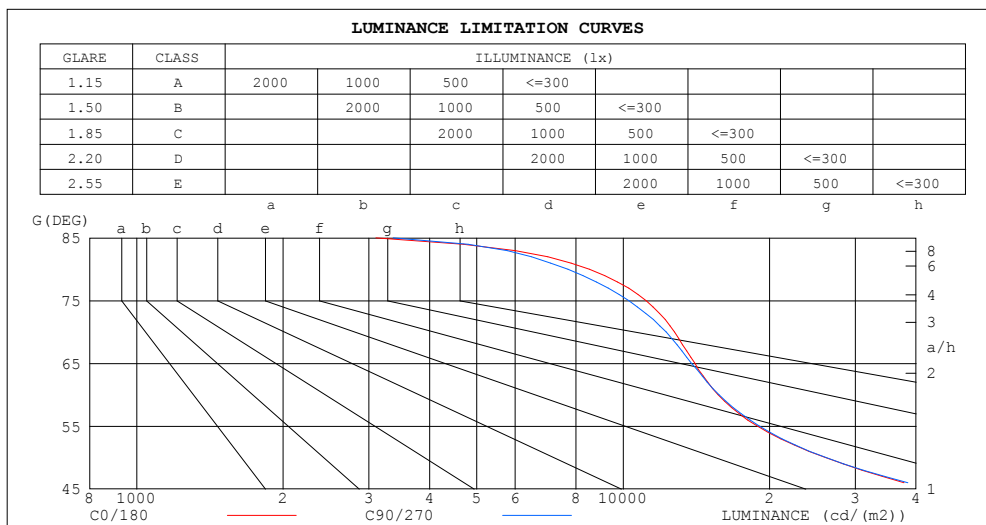
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3482	3443	3440	3443	3482	3443	3440	3443	0- 10	3309	3309	9.57,9.57
20	3169	3139	3131	3139	3169	3139	3131	3139	10- 20	9410	12719	36.8,36.8
30	1889	1894	1890	1894	1889	1894	1890	1894	20- 30	11950	24669	71.4,71.4
40	436.4	444.9	464.3	444.9	436.4	444.9	464.3	444.9	30- 40	6575	31244	90.4,90.4
50	110.5	109.7	110.7	109.7	110.5	109.7	110.7	109.7	40- 50	1719	32963	95.4,95.4
60	51.74	50.52	51.97	50.52	51.74	50.52	51.97	50.52	50- 60	659.7	33623	97.3,97.3
70	28.78	27.56	27.66	27.56	28.78	27.56	27.66	27.56	60- 70	379.7	34003	98.4,98.4
80	9.773	9.219	8.819	9.219	9.773	9.219	8.819	9.219	70- 80	191.2	34194	98.9,98.9
90	0.2280	0.2233	0.2199	0.2233	0.2280	0.2233	0.2199	0.2233	80- 90	32.80	34227	99,99
100	0.4335	0.4299	0.4201	0.4299	0.4335	0.4299	0.4201	0.4299	90-100	3.305	34230	99,99
110	1.346	1.336	1.301	1.336	1.346	1.336	1.301	1.336	100-110	8.316	34238	99.1,99.1
120	3.293	3.265	3.235	3.265	3.293	3.265	3.235	3.265	110-120	22.08	34260	99.1,99.1
130	5.966	5.952	5.939	5.952	5.966	5.952	5.939	5.952	120-130	40.50	34301	99.2,99.2
140	9.455	9.447	9.435	9.447	9.455	9.447	9.435	9.447	130-140	58.83	34360	99.4,99.4
150	13.16	13.15	13.15	13.15	13.16	13.15	13.15	13.15	140-150	70.66	34430	99.6,99.6
160	16.17	16.21	16.23	16.21	16.17	16.21	16.23	16.21	150-160	67.68	34498	99.8,99.8
170	18.98	19.01	19.05	19.01	18.98	19.01	19.05	19.01	160-170	49.65	34548	99.9,99.9
180	20.18	20.21	20.28	20.21	20.18	20.21	20.28	20.21	170-180	18.66	34566	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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3102	3369
80	8527	7695
75	11142	10271
70	12752	12253
65	14043	13821
60	15680	15748
55	18879	19067
50	26043	26094
45	42749	43874

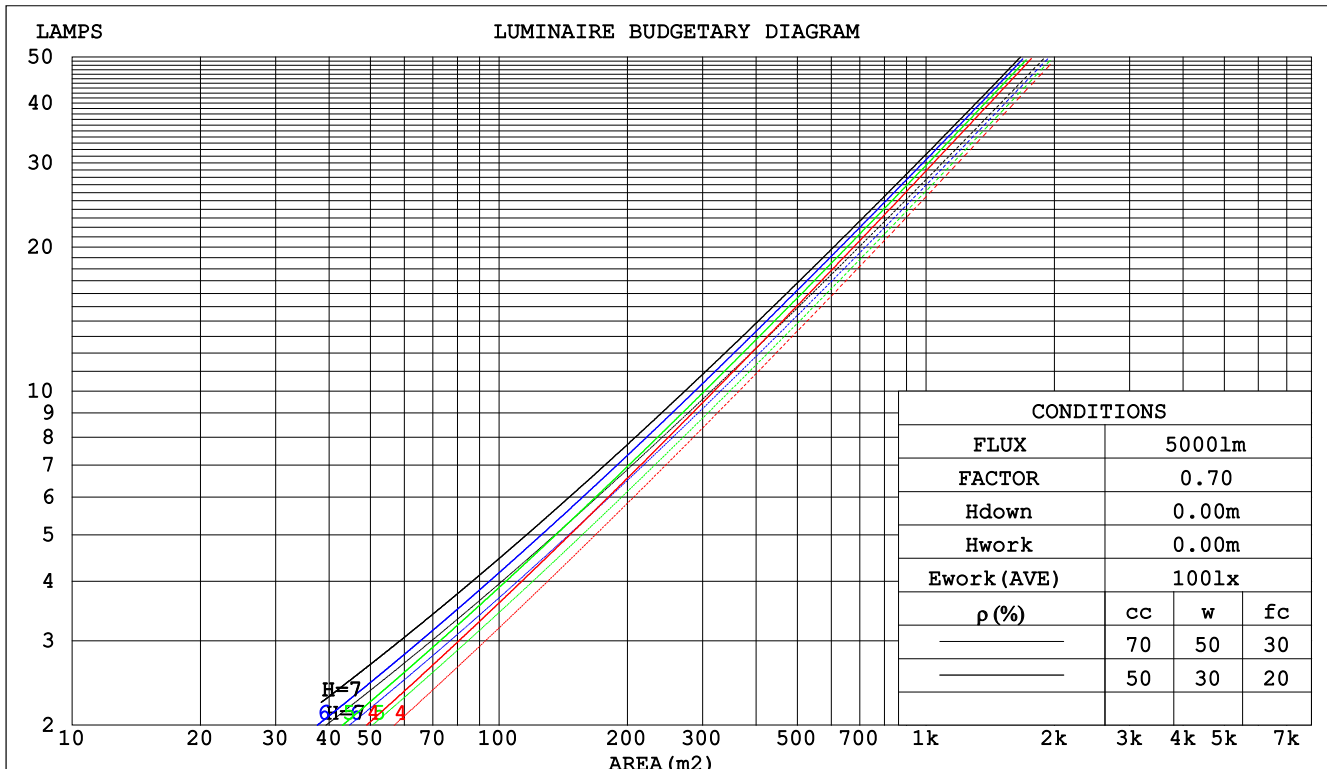
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-07

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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-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															



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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm					
NAME: H03DTC-18-R380-60-40G-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	.184	.105	.033	.177	.101	.032	.164	.094	.030	.152	.088	.028	.141	.082	.026	
2.0	.176	.097	.030	.170	.094	.029	.159	.089	.027	.149	.084	.026	.139	.079	.025	
3.0	.168	.089	.027	.162	.087	.026	.153	.083	.025	.144	.079	.024	.136	.075	.023	
4.0	.159	.083	.024	.155	.081	.024	.146	.078	.023	.139	.074	.022	.132	.071	.022	
5.0	.151	.077	.022	.148	.076	.022	.140	.073	.021	.133	.070	.021	.127	.068	.020	
6.0	.144	.072	.021	.141	.071	.020	.134	.069	.020	.128	.067	.020	.123	.065	.019	
7.0	.138	.068	.019	.135	.067	.019	.129	.065	.019	.124	.063	.018	.118	.062	.018	
8.0	.132	.064	.018	.129	.063	.018	.124	.062	.018	.119	.060	.017	.114	.059	.017	
9.0	.126	.061	.017	.124	.060	.017	.119	.059	.017	.115	.057	.016	.110	.056	.016	
10.0	.121	.058	.016	.119	.057	.016	.114	.056	.016	.110	.055	.016	.107	.054	.015	

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	.179	.165	.152	.153	.141	.131	.105	.097	.090	.060	.056	.053	.019	.018	.017	
2.0	.164	.140	.120	.141	.121	.103	.097	.083	.072	.056	.049	.042	.018	.016	.014	
3.0	.152	.121	.096	.131	.105	.084	.090	.073	.059	.052	.042	.035	.017	.014	.011	
4.0	.142	.107	.079	.122	.092	.069	.084	.064	.049	.049	.038	.029	.016	.012	.009	
5.0	.134	.095	.067	.115	.082	.058	.079	.058	.041	.046	.034	.024	.015	.011	.008	
6.0	.126	.086	.057	.109	.074	.050	.075	.052	.035	.044	.031	.021	.014	.010	.007	
7.0	.120	.078	.049	.103	.068	.043	.071	.048	.030	.041	.028	.018	.013	.009	.006	
8.0	.114	.072	.043	.098	.063	.038	.068	.044	.027	.040	.026	.016	.013	.009	.005	
9.0	.109	.067	.039	.094	.058	.034	.065	.041	.024	.038	.024	.014	.012	.008	.005	
10.0	.105	.063	.035	.090	.055	.030	.063	.038	.022	.037	.023	.013	.012	.007	.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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm										
NAME: H03DTC-18-R380-60-40G-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	9.5	10.5	9.7	10.7	10.8	9.6	10.6	9.8	10.7	10.9
3H	9.5	10.4	9.8	10.6	10.9	9.6	10.5	9.9	10.7	10.9
4H	9.6	10.4	9.8	10.6	10.9	9.6	10.4	9.9	10.7	10.9
6H	9.5	10.3	9.9	10.6	10.9	9.6	10.4	9.9	10.6	10.9
8H	9.5	10.3	9.8	10.5	10.8	9.5	10.3	9.9	10.6	10.9
12H	9.5	10.2	9.8	10.5	10.8	9.5	10.2	9.8	10.5	10.8
4H 2H	9.4	10.2	9.6	10.4	10.7	9.4	10.3	9.7	10.5	10.8
3H	9.5	10.2	9.8	10.5	10.8	9.5	10.2	9.9	10.5	10.8
4H	9.5	10.2	9.9	10.5	10.8	9.6	10.2	9.9	10.5	10.9
6H	9.5	10.1	9.9	10.5	10.8	9.6	10.1	10.0	10.5	10.9
8H	9.5	10.1	9.9	10.4	10.8	9.5	10.1	10.0	10.4	10.8
12H	9.5	10.0	9.9	10.4	10.8	9.5	10.0	9.9	10.4	10.8
8H 4H	9.5	10.0	9.9	10.4	10.7	9.5	10.0	9.9	10.4	10.8
6H	9.5	9.9	9.9	10.3	10.8	9.5	10.0	10.0	10.4	10.8
8H	9.5	9.9	10.0	10.3	10.8	9.5	9.9	10.0	10.3	10.8
12H	9.5	9.8	9.9	10.2	10.7	9.5	9.8	10.0	10.3	10.8
12H 4H	9.4	9.9	9.8	10.3	10.7	9.4	9.9	9.9	10.3	10.7
6H	9.5	9.8	9.9	10.3	10.7	9.5	9.9	9.9	10.3	10.8
8H	9.5	9.8	9.9	10.2	10.7	9.5	9.8	10.0	10.3	10.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 3.4					+ 2.7 / - 3.6				
1.5H	+ 4.4 / - 3.0					+ 4.7 / - 3.3				
2.0H	+ 2.7 / - 1.2					+ 2.9 / - 1.4				

CIE Pub.117, 34566 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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

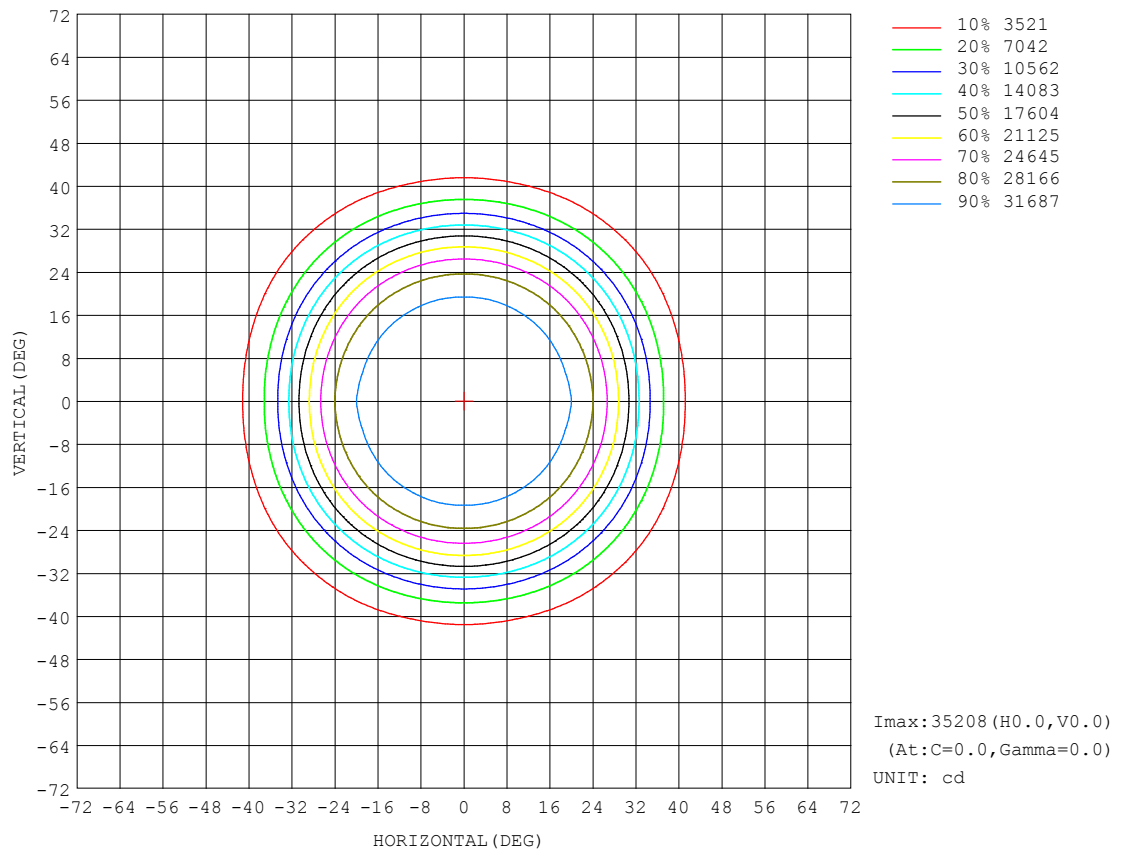
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	95	92	87
1.50	105	100	96	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	102	99	93
3.00	111	107	105	109	106	103	106	103	101	94
4.00	113	110	108	111	109	106	107	105	104	96
5.00	114	112	110	112	110	108	108	107	105	97
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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

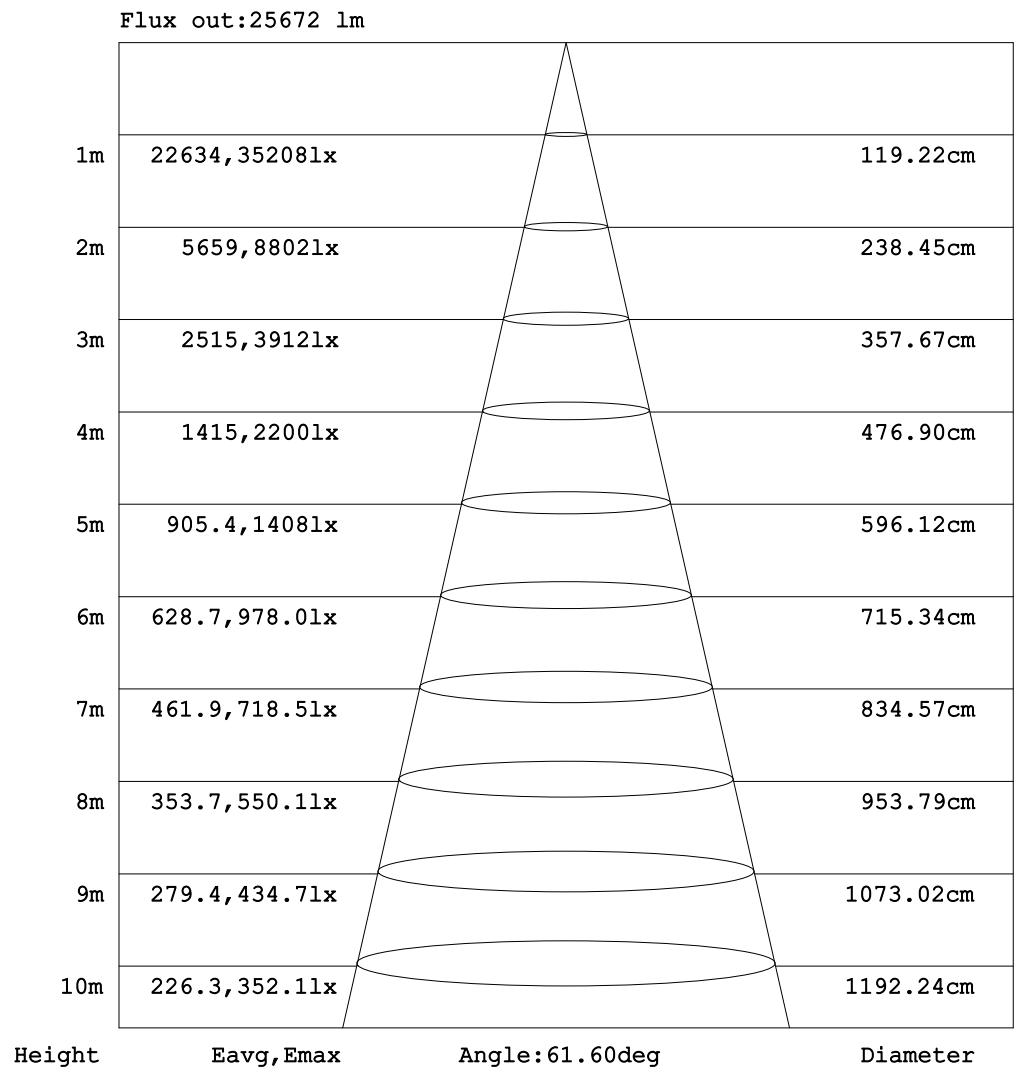


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-04-07

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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



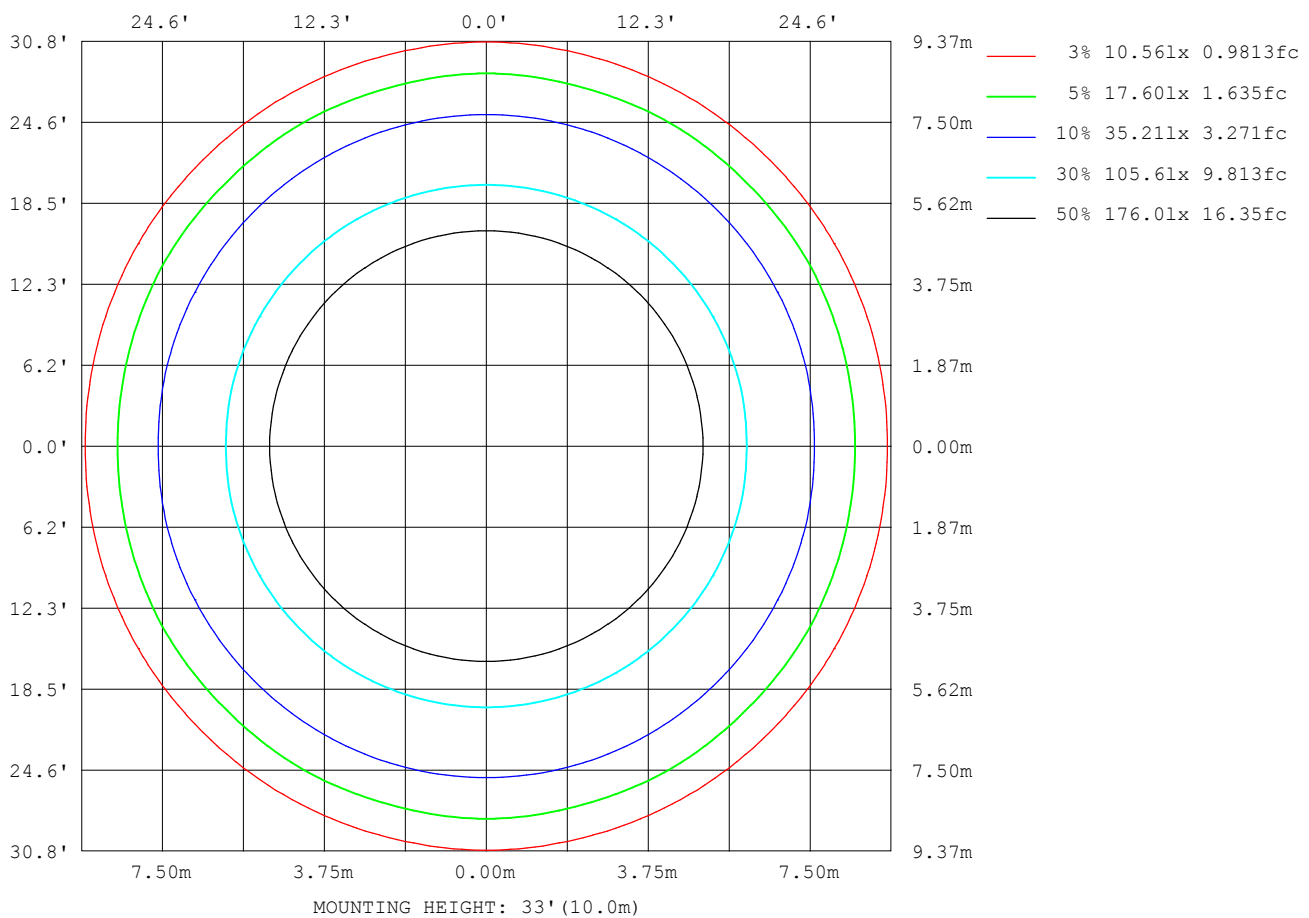
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

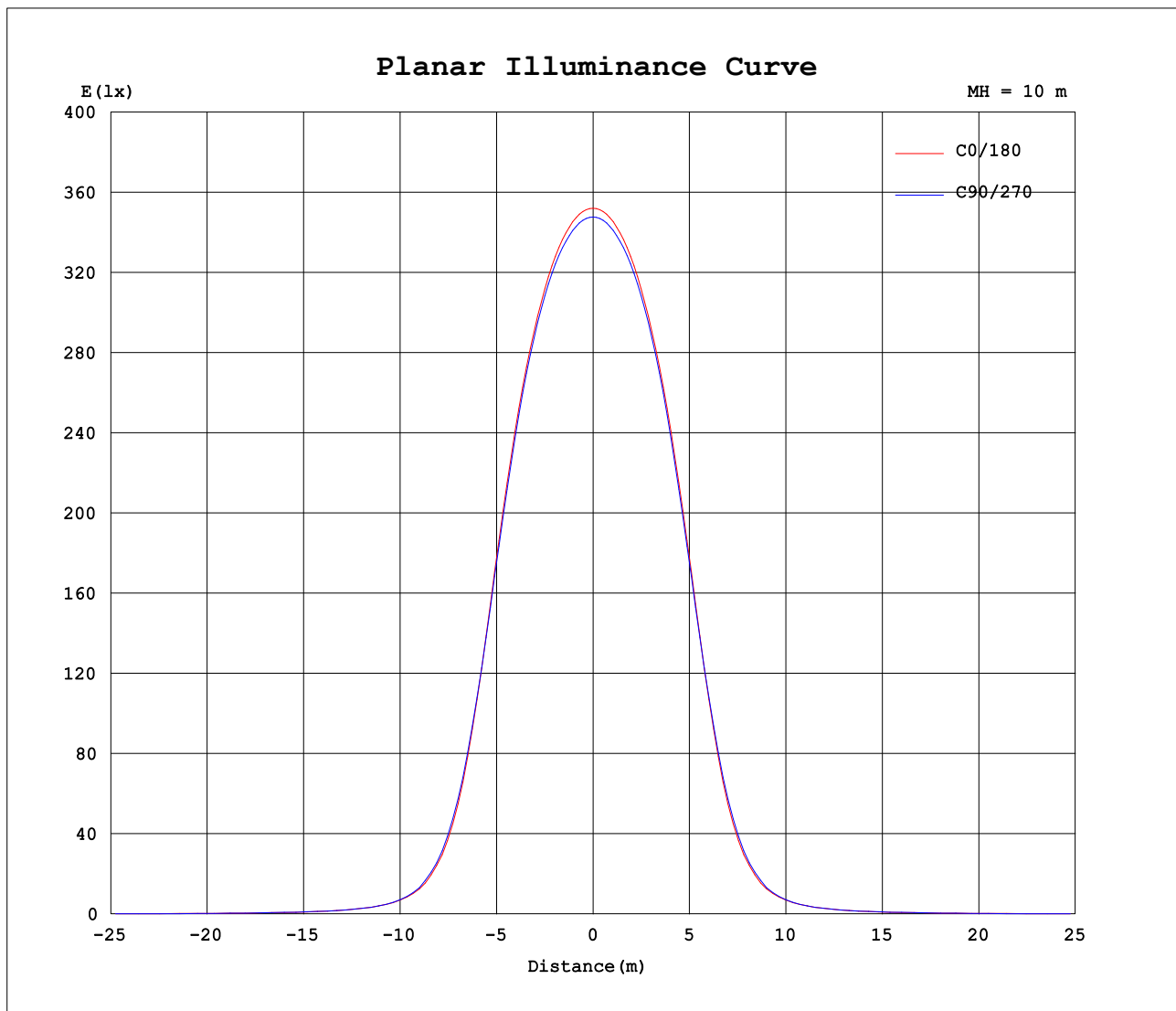
AvgL	cd/m2
L_0~180 (65) av	14043
L_0~180 (75) av	11142
L_0~180 (85) av	3102
L_90~270 (65) av	13821
L_90~270 (75) av	10271
L_90~270 (85) av	3369
L_45 (65) av	13531
L_45 (75) av	10438
L_45 (85) av	3246

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:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-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	3521	3483	3481	3480	3478	3478	3477	3478	3478	3480	3481	3483	3521	3483	3481	3480	3478	3478	3477
5	3514	3477	3475	3473	3471	3471	3470	3471	3471	3473	3475	3477	3514	3477	3475	3473	3471	3471	3470
10	3482	3446	3443	3443	3440	3441	3440	3441	3440	3443	3443	3446	3482	3446	3443	3443	3440	3441	3440
15	3389	3356	3354	3354	3352	3354	3352	3354	3352	3354	3354	3356	3389	3356	3354	3354	3352	3354	3352
20	3169	3144	3141	3139	3134	3134	3131	3134	3134	3139	3141	3144	3169	3144	3141	3139	3134	3134	3131
25	2702	2690	2684	2677	2668	2664	2661	2664	2668	2677	2684	2690	2702	2690	2684	2677	2668	2664	2661
30	1889	1896	1895	1894	1892	1890	1890	1890	1892	1894	1895	1896	1889	1896	1895	1894	1892	1890	1890
35	999	1013	1020	1025	1035	1038	1043	1038	1035	1025	1020	1013	999	1013	1020	1025	1035	1038	1043
40	436	441	451	445	457	452	464	452	457	445	451	441	436	441	451	445	457	452	464
45	200	200	203	201	202	200	205	200	202	201	203	200	200	200	203	201	202	200	205
50	110	111	111	110	109	109	111	109	109	110	111	111	110	111	111	110	109	109	111
55	71.5	71.3	71.7	70.5	69.7	70.7	72.2	70.7	69.7	70.5	71.7	71.3	71.5	71.3	71.7	70.5	69.7	70.7	72.2
60	51.7	51.2	51.5	50.5	49.5	50.5	52.0	50.5	49.5	50.5	51.5	51.2	51.7	51.2	51.5	50.5	49.5	50.5	52.0
65	39.2	38.3	38.6	37.7	36.9	37.3	38.6	37.3	36.9	37.7	38.6	38.3	39.2	38.3	38.6	37.7	36.9	37.3	38.6
70	28.8	28.0	28.1	27.6	27.2	27.1	27.7	27.1	27.2	27.6	28.1	28.0	28.8	28.0	28.1	27.6	27.2	27.1	27.7
75	19.0	18.4	18.2	17.8	17.8	17.5	17.5	17.5	17.8	17.8	18.2	18.4	19.0	18.4	18.2	17.8	17.8	17.5	17.5
80	9.77	9.34	9.17	9.22	9.22	8.92	8.82	8.92	9.22	9.22	9.17	9.34	9.77	9.34	9.17	9.22	9.22	8.92	8.82
85	1.78	1.66	1.66	1.87	2.10	2.00	1.94	2.00	2.10	1.87	1.66	1.66	1.78	1.66	1.66	1.87	2.10	2.00	1.94
90	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22
95	0.30	0.30	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.29	0.29	0.29	0.29	0.29
100	0.43	0.44	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.44	0.43	0.44	0.43	0.43	0.42	0.42	0.42
105	0.74	0.77	0.75	0.74	0.73	0.73	0.72	0.73	0.73	0.74	0.75	0.77	0.74	0.77	0.75	0.74	0.73	0.73	0.72
110	1.35	1.38	1.35	1.34	1.31	1.31	1.30	1.31	1.31	1.34	1.35	1.38	1.35	1.38	1.35	1.34	1.31	1.31	1.30
115	2.23	2.25	2.22	2.20	2.18	2.17	2.16	2.17	2.18	2.20	2.22	2.25	2.23	2.25	2.22	2.20	2.18	2.17	2.16
120	3.29	3.30	3.28	3.26	3.25	3.24	3.24	3.24	3.25	3.26	3.28	3.30	3.29	3.30	3.28	3.26	3.25	3.24	3.24
125	4.53	4.53	4.51	4.50	4.49	4.49	4.49	4.49	4.49	4.50	4.51	4.53	4.53	4.53	4.51	4.50	4.49	4.49	4.49
130	5.97	5.97	5.96	5.95	5.95	5.95	5.94	5.95	5.95	5.95	5.96	5.97	5.97	5.97	5.96	5.95	5.95	5.95	5.94
135	7.63	7.63	7.62	7.62	7.61	7.61	7.61	7.61	7.61	7.62	7.62	7.63	7.63	7.63	7.62	7.62	7.61	7.61	7.61
140	9.46	9.45	9.45	9.45	9.44	9.44	9.43	9.44	9.44	9.45	9.45	9.45	9.46	9.45	9.45	9.45	9.44	9.44	9.43
145	11.4	11.3	11.4	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.4	11.3	11.4	11.3	11.4	11.3	11.3	11.3	11.3
150	13.2	13.1	13.1	13.1	13.2	13.2	13.1	13.2	13.2	13.1	13.1	13.1	13.2	13.1	13.1	13.1	13.2	13.2	13.1
155	14.7	14.7	14.7	14.7	14.7	14.8	14.7	14.8	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.8	14.7
160	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
165	17.6	17.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.7	17.7	17.7	17.7	17.7
170	19.0	18.9	19.0	19.0	19.0	19.1	19.0	19.1	19.0	19.0	19.0	18.9	19.0	18.9	19.0	19.0	19.0	19.1	19.0
175	19.8	19.7	19.8	19.8	19.8	19.9	19.9	19.9	19.8	19.8	19.8	19.7	19.8	19.7	19.8	19.8	19.8	19.9	19.9
180	20.2	20.1	20.2	20.2	20.2	20.3	20.3	20.3	20.2	20.2	20.2	20.1	20.2	20.1	20.2	20.2	20.2	20.3	20.3

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.8076A P:179.3W PF:0.9637 Freq:49.99Hz Lamp Flux:34566.4x1 lm		
NAME: H03DTC-18-R380-60-40G-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	3478	3478	3480	3481	3483													
5	3471	3471	3473	3475	3477													
10	3441	3440	3443	3443	3446													
15	3354	3352	3354	3354	3356													
20	3134	3134	3139	3141	3144													
25	2664	2668	2677	2684	2690													
30	1890	1892	1894	1895	1896													
35	1038	1035	1025	1020	1013													
40	452	457	445	451	441													
45	200	202	201	203	200													
50	109	109	110	111	111													
55	70.7	69.7	70.5	71.7	71.3													
60	50.5	49.5	50.5	51.5	51.2													
65	37.3	36.9	37.7	38.6	38.3													
70	27.1	27.2	27.6	28.1	28.0													
75	17.5	17.8	17.8	18.2	18.4													
80	8.92	9.22	9.22	9.17	9.34													
85	2.00	2.10	1.87	1.66	1.66													
90	0.22	0.22	0.22	0.22	0.23													
95	0.29	0.29	0.29	0.29	0.30													
100	0.42	0.42	0.43	0.43	0.44													
105	0.73	0.73	0.74	0.75	0.77													
110	1.31	1.31	1.34	1.35	1.38													
115	2.17	2.18	2.20	2.22	2.25													
120	3.24	3.25	3.26	3.28	3.30													
125	4.49	4.49	4.50	4.51	4.53													
130	5.95	5.95	5.95	5.96	5.97													
135	7.61	7.61	7.62	7.62	7.63													
140	9.44	9.44	9.45	9.45	9.45													
145	11.3	11.3	11.3	11.4	11.3													
150	13.2	13.2	13.1	13.1	13.1													
155	14.8	14.7	14.7	14.7	14.7													
160	16.2	16.2	16.2	16.2	16.2													
165	17.7	17.7	17.7	17.7	17.6													
170	19.1	19.0	19.0	19.0	18.9													
175	19.9	19.8	19.8	19.8	19.7													
180	20.3	20.2	20.2	20.2	20.1													

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	35208	34832	34811	34796	34781	34779	34773	34779	34781	34796
3.0	35189	34815	34792	34778	34761	34757	34749	34757	34761	34778
6.0	35107	34736	34712	34698	34678	34678	34666	34678	34678	34698
9.0	34917	34553	34529	34518	34499	34504	34489	34504	34499	34518
12.0	34542	34193	34174	34171	34152	34162	34146	34162	34152	34171
15.0	33886	33561	33541	33542	33524	33541	33521	33541	33524	33542
18.0	32785	32498	32467	32469	32438	32451	32423	32451	32438	32469
21.0	31007	30778	30735	30712	30649	30646	30612	30646	30649	30712
24.0	28218	28077	28016	27957	27865	27839	27805	27839	27865	27957
27.0	24128	24085	24028	23973	23887	23842	23819	23842	23887	23973
30.0	18892	18959	18952	18935	18925	18896	18898	18896	18925	18935
33.0	13321	13462	13516	13539	13610	13637	13679	13637	13610	13539
36.0	8504	8653	8730	8776	8874	8920	8966	8920	8874	8776
39.0	5187	5285	5319	5322	5380	5420	5446	5420	5380	5322
42.0	3068	3118	3159	3165	3194	3200	3228	3200	3194	3165
45.0	1995	1998	2032	2015	2018	2004	2048	2004	2018	2015
48.0	1369	1377	1381	1367	1359	1363	1376	1363	1359	1367
51.0	1001	1004	1007	992.3	984.0	990.4	1004	990.4	984.0	992.3
54.0	771.7	771.1	774.9	762.4	754.6	764.1	778.7	764.1	754.6	762.4
57.0	622.2	618.3	622.1	611.4	602.9	613.0	628.2	613.0	602.9	611.4
60.0	517.4	511.7	515.4	505.2	495.5	504.9	519.7	504.9	495.5	505.2
63.0	438.0	429.8	433.8	423.0	415.2	419.9	435.8	419.9	415.2	423.0
66.0	370.0	361.7	363.8	356.2	348.1	351.5	362.8	351.5	348.1	356.2
69.0	307.5	299.7	301.2	295.3	290.1	290.4	297.8	290.4	290.1	295.3
72.0	248.8	241.0	241.0	236.1	233.6	231.6	235.2	231.6	233.6	236.1
75.0	190.3	183.8	182.4	178.3	177.6	174.8	175.5	174.8	177.6	178.3
78.0	133.7	128.5	126.5	125.0	124.6	121.6	120.9	121.6	124.6	125.0
81.0	80.66	76.89	75.27	76.80	77.25	74.51	73.24	74.51	77.25	76.80
84.0	32.39	30.27	30.24	33.14	35.65	34.26	33.13	34.26	35.65	33.14
87.0	4.778	4.751	4.771	4.808	4.888	4.988	5.034	4.988	4.888	4.808
90.0	2.280	2.263	2.243	2.233	2.207	2.225	2.199	2.225	2.207	2.233
93.0	2.641	2.636	2.603	2.587	2.550	2.565	2.543	2.565	2.550	2.587
96.0	3.163	3.186	3.137	3.114	3.073	3.083	3.047	3.083	3.073	3.114
99.0	3.973	4.042	3.965	3.930	3.860	3.870	3.842	3.870	3.860	3.930
102.0	5.273	5.438	5.308	5.261	5.164	5.165	5.118	5.165	5.164	5.261
105.0	7.394	7.678	7.482	7.412	7.264	7.273	7.215	7.273	7.264	7.412
108.0	10.62	11.00	10.72	10.61	10.41	10.42	10.34	10.42	10.41	10.61
111.0	15.03	15.39	15.05	14.90	14.65	14.65	14.53	14.65	14.65	14.90
114.0	20.36	20.66	20.33	20.15	19.87	19.83	19.74	19.83	19.87	20.15
117.0	26.38	26.55	26.26	26.08	25.85	25.79	25.70	25.79	25.85	26.08
120.0	32.93	33.03	32.78	32.65	32.48	32.41	32.35	32.41	32.48	32.65
123.0	40.08	40.13	39.96	39.84	39.76	39.70	39.65	39.70	39.76	39.84
126.0	47.98	47.97	47.84	47.75	47.71	47.66	47.62	47.66	47.71	47.75
129.0	56.62	56.58	56.50	56.46	56.40	56.38	56.34	56.38	56.40	56.46
132.0	66.07	66.05	65.98	65.95	65.89	65.87	65.83	65.87	65.89	65.95
135.0	76.30	76.30	76.24	76.20	76.15	76.15	76.11	76.15	76.15	76.20
138.0	87.18	87.12	87.07	87.05	86.97	86.98	86.96	86.98	86.97	87.05
141.0	98.31	98.26	98.20	98.13	98.13	98.15	98.11	98.15	98.13	98.21
144.0	109.7	109.6	109.7	109.6	109.5	109.6	109.5	109.6	109.5	109.6
147.0	121.0	120.8	120.9	120.8	120.7	120.8	120.8	120.8	120.7	120.8
150.0	131.6	131.4	131.4	131.5	131.5	131.5	131.5	131.5	131.5	131.5
153.0	141.3	141.1	141.1	141.3	141.4	141.4	141.4	141.4	141.4	141.3
156.0	150.1	150.0	150.1	150.3	150.5	150.5	150.5	150.5	150.5	150.3
159.0	158.8	158.7	158.8	159.2	159.3	159.5	159.4	159.5	159.3	159.2
162.0	167.7	167.6	167.8	168.2	168.4	168.5	168.5	168.5	168.4	168.2
165.0	176.4	176.3	176.5	177.1	177.2	177.4	177.3	177.4	177.2	177.1
168.0	185.0	184.7	185.1	185.4	185.7	185.8	185.7	185.8	185.7	185.4
171.0	191.6	191.1	191.7	192.0	192.3	192.4	192.4	192.4	192.3	192.0
174.0	196.5	195.9	196.7	197.0	197.3	197.5	197.5	197.5	197.3	197.0
177.0	199.5	198.9	199.7	200.0	200.2	200.5	200.6	200.5	200.2	200.0
180.0	201.8	201.1	201.9	202.1	202.4	202.7	202.8	202.7	202.4	202.1
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	34811	34832	35208	34832	34811	34796	34781	34779	34773	34779
3.0	34792	34815	35189	34815	34792	34778	34761	34757	34749	34757
6.0	34712	34736	35107	34736	34712	34698	34678	34678	34666	34678
9.0	34529	34553	34917	34553	34529	34518	34499	34504	34489	34504
12.0	34174	34193	34542	34193	34174	34171	34152	34162	34146	34162
15.0	33541	33561	33886	33561	33541	33542	33524	33541	33521	33541
18.0	32467	32498	32785	32498	32467	32469	32438	32451	32423	32451
21.0	30735	30778	31007	30778	30735	30712	30649	30646	30612	30646
24.0	28016	28077	28218	28077	28016	27957	27865	27839	27805	27839
27.0	24028	24085	24128	24085	24028	23973	23887	23842	23819	23842
30.0	18952	18959	18892	18959	18952	18935	18925	18896	18898	18896

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]

33.0	13516	13462	13321	13462	13516	13539	13610	13637	13679	13637
36.0	8730	8653	8504	8653	8730	8776	8874	8920	8966	8920
39.0	5319	5285	5187	5285	5319	5322	5380	5420	5446	5420
42.0	3159	3118	3068	3118	3159	3165	3194	3200	3228	3200
45.0	2032	1998	1995	1998	2032	2015	2018	2004	2048	2004
48.0	1381	1377	1369	1377	1381	1367	1359	1363	1376	1363
51.0	1007	1004	1001	1004	1007	992.3	984.0	990.4	1004	990.4
54.0	774.9	771.1	771.7	771.1	774.9	762.4	754.6	764.1	778.7	764.1
57.0	622.1	618.3	622.2	618.3	622.1	611.4	602.9	613.0	628.2	613.0
60.0	515.4	511.7	517.4	511.7	515.4	505.2	495.5	504.9	519.7	504.9
63.0	433.8	429.8	438.0	429.8	433.8	423.0	415.2	419.9	435.8	419.9
66.0	363.8	361.7	370.0	361.7	363.8	356.2	348.1	351.5	362.8	351.5
69.0	301.2	299.7	307.5	299.7	301.2	295.3	290.1	290.4	297.8	290.4
72.0	241.0	241.0	248.8	241.0	241.0	236.1	233.6	231.6	235.2	231.6
75.0	182.4	183.8	190.3	183.8	182.4	178.3	177.6	174.8	175.5	174.8
78.0	126.5	128.5	133.7	128.5	126.5	125.0	124.6	121.6	120.9	121.6
81.0	75.27	76.89	80.66	76.89	75.27	76.80	77.25	74.51	73.24	74.51
84.0	30.24	30.27	32.39	30.27	30.24	33.14	35.65	34.26	33.13	34.26
87.0	4.771	4.751	4.778	4.751	4.771	4.808	4.888	4.988	5.034	4.988
90.0	2.243	2.263	2.280	2.263	2.243	2.233	2.207	2.225	2.199	2.225
93.0	2.603	2.636	2.641	2.636	2.603	2.587	2.550	2.565	2.543	2.565
96.0	3.137	3.186	3.163	3.186	3.137	3.114	3.073	3.083	3.047	3.083
99.0	3.965	4.042	3.973	4.042	3.965	3.930	3.860	3.870	3.842	3.870
102.0	5.308	5.438	5.273	5.438	5.308	5.261	5.164	5.165	5.118	5.165
105.0	7.482	7.678	7.394	7.678	7.482	7.412	7.264	7.273	7.215	7.273
108.0	10.72	11.00	10.62	11.00	10.72	10.61	10.41	10.42	10.34	10.42
111.0	15.05	15.39	15.03	15.39	15.05	14.90	14.65	14.65	14.53	14.65
114.0	20.33	20.66	20.36	20.66	20.33	20.15	19.87	19.83	19.74	19.83
117.0	26.26	26.55	26.38	26.55	26.26	26.08	25.85	25.79	25.70	25.79
120.0	32.78	33.03	32.93	33.03	32.78	32.65	32.48	32.41	32.35	32.41
123.0	39.96	40.13	40.08	40.13	39.96	39.84	39.76	39.70	39.65	39.70
126.0	47.84	47.97	47.98	47.97	47.84	47.75	47.71	47.66	47.62	47.66
129.0	56.50	56.58	56.62	56.58	56.50	56.46	56.40	56.38	56.34	56.38
132.0	65.98	66.05	66.07	66.05	65.98	65.95	65.89	65.87	65.83	65.87
135.0	76.24	76.30	76.30	76.30	76.24	76.20	76.15	76.15	76.11	76.15
138.0	87.07	87.12	87.18	87.12	87.07	87.05	86.97	86.98	86.96	86.98
141.0	98.20	98.26	98.31	98.26	98.20	98.21	98.13	98.15	98.11	98.15
144.0	109.7	109.6	109.7	109.6	109.7	109.6	109.5	109.6	109.5	109.6
147.0	120.9	120.8	121.0	120.8	120.9	120.8	120.7	120.8	120.8	120.8
150.0	131.4	131.4	131.6	131.4	131.4	131.5	131.5	131.5	131.5	131.5
153.0	141.1	141.1	141.3	141.1	141.1	141.3	141.4	141.4	141.4	141.4
156.0	150.1	150.0	150.1	150.0	150.1	150.3	150.5	150.5	150.5	150.5
159.0	158.8	158.7	158.8	158.7	158.8	159.2	159.3	159.5	159.4	159.5
162.0	167.8	167.6	167.7	167.6	167.8	168.2	168.4	168.5	168.5	168.5
165.0	176.5	176.3	176.4	176.3	176.5	177.1	177.2	177.4	177.3	177.4
168.0	185.1	184.7	185.0	184.7	185.1	185.4	185.7	185.8	185.7	185.8
171.0	191.7	191.1	191.6	191.1	191.7	192.0	192.3	192.4	192.4	192.4
174.0	196.7	195.9	196.5	195.9	196.7	197.0	197.3	197.5	197.5	197.5
177.0	199.7	198.9	199.5	198.9	199.7	200.0	200.2	200.5	200.6	200.5
180.0	201.9	201.1	201.8	201.1	201.9	202.1	202.4	202.7	202.8	202.7
G/C	300.0	315.0	330.0	345.0						
0.0	34781	34796	34811	34832						
3.0	34761	34778	34792	34815						
6.0	34678	34698	34712	34736						
9.0	34499	34518	34529	34553						
12.0	34152	34171	34174	34193						
15.0	33524	33542	33541	33561						
18.0	32438	32469	32467	32498						
21.0	30649	30712	30735	30778						
24.0	27865	27957	28016	28077						
27.0	23887	23973	24028	24085						
30.0	18925	18935	18952	18959						
33.0	13610	13539	13516	13462						
36.0	8874	8776	8730	8653						
39.0	5380	5322	5319	5285						
42.0	3194	3165	3159	3118						
45.0	2018	2015	2032	1998						
48.0	1359	1367	1381	1377						
51.0	984.0	992.3	1007	1004						
54.0	754.6	762.4	774.9	771.1						
57.0	602.9	611.4	622.1	618.3						
60.0	495.5	505.2	515.4	511.7						
63.0	415.2	423.0	433.8	429.8						
66.0	348.1	356.2	363.8	361.7						

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	290.1	295.3	301.2	299.7
72.0	233.6	236.1	241.0	241.0
75.0	177.6	178.3	182.4	183.8
78.0	124.6	125.0	126.5	128.5
81.0	77.25	76.80	75.27	76.89
84.0	35.65	33.14	30.24	30.27
87.0	4.888	4.808	4.771	4.751
90.0	2.207	2.233	2.243	2.263
93.0	2.550	2.587	2.603	2.636
96.0	3.073	3.114	3.137	3.186
99.0	3.860	3.930	3.965	4.042
102.0	5.164	5.261	5.308	5.438
105.0	7.264	7.412	7.482	7.678
108.0	10.41	10.61	10.72	11.00
111.0	14.65	14.90	15.05	15.39
114.0	19.87	20.15	20.33	20.66
117.0	25.85	26.08	26.26	26.55
120.0	32.48	32.65	32.78	33.03
123.0	39.76	39.84	39.96	40.13
126.0	47.71	47.75	47.84	47.97
129.0	56.40	56.46	56.50	56.58
132.0	65.89	65.95	65.98	66.05
135.0	76.15	76.20	76.24	76.30
138.0	86.97	87.05	87.07	87.12
141.0	98.13	98.21	98.20	98.26
144.0	109.5	109.6	109.7	109.6
147.0	120.7	120.8	120.9	120.8
150.0	131.5	131.5	131.4	131.4
153.0	141.4	141.3	141.1	141.1
156.0	150.5	150.3	150.1	150.0
159.0	159.3	159.2	158.8	158.7
162.0	168.4	168.2	167.8	167.6
165.0	177.2	177.1	176.5	176.3
168.0	185.7	185.4	185.1	184.7
171.0	192.3	192.0	191.7	191.1
174.0	197.3	197.0	196.7	195.9
177.0	200.2	200.0	199.7	198.9
180.0	202.4	202.1	201.9	201.1

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: