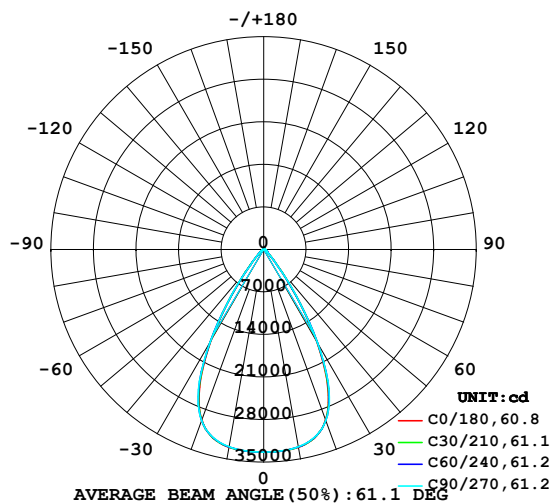


LUMINAIRE PHOTOMETRIC TEST REPORT

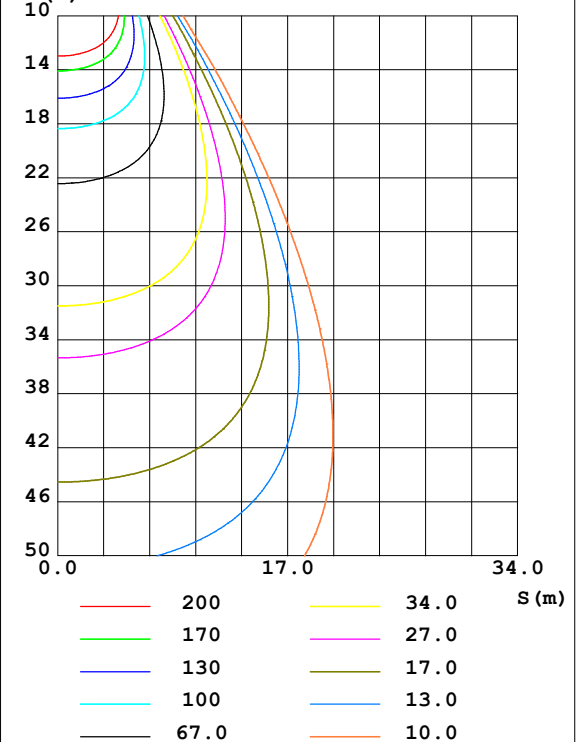
Test:U:230.4V I:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 181.21 lm/W			
MODEL		I _{max} (cd)	33332	S/MH (C0/180)	0.89
NOMINAL POWER(W)	180	LOR(%)	100.0	S/MH (C90/270)	0.89
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	32573	η UP,DN(C0-180)	0.5,49.5
NOMINAL FLUX(lm)	32573.3	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:2020-04-09

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	3304	3300	3297	3300	3304	3300	3297	3300	0- 10	3169	3169	9.73, 9.73
20	2984	2991	2994	2991	2984	2991	2994	2991	10- 20	8995	12164	37.3, 37.3
30	1737	1766	1773	1766	1737	1766	1773	1766	20- 30	11273	23437	72, 72
40	407.3	406.5	399.7	406.5	407.3	406.5	399.7	406.5	30- 40	6047	29484	90.5, 90.5
50	99.41	101.6	103.4	101.6	99.41	101.6	103.4	101.6	40- 50	1560	31043	95.3, 95.3
60	47.54	48.24	49.95	48.24	47.54	48.24	49.95	48.24	50- 60	618.4	31662	97.2, 97.2
70	27.42	27.03	28.18	27.03	27.42	27.03	28.18	27.03	60- 70	369.5	32031	98.3, 98.3
80	9.199	8.885	9.149	8.885	9.199	8.885	9.149	8.885	70- 80	189.6	32221	98.9, 98.9
90	0.1815	0.1854	0.1859	0.1854	0.1815	0.1854	0.1859	0.1854	80- 90	31.68	32252	99, 99
100	0.3712	0.4021	0.4023	0.4021	0.3712	0.4021	0.4023	0.4021	90-100	2.921	32255	99, 99
110	1.181	1.300	1.306	1.300	1.181	1.300	1.306	1.300	100-110	7.941	32263	99, 99
120	2.993	3.102	3.113	3.102	2.993	3.102	3.113	3.102	110-120	21.05	32284	99.1, 99.1
130	5.540	5.611	5.618	5.611	5.540	5.611	5.618	5.611	120-130	38.17	32322	99.2, 99.2
140	8.860	8.935	8.956	8.935	8.860	8.935	8.956	8.935	130-140	55.48	32378	99.4, 99.4
150	12.42	12.45	12.47	12.45	12.42	12.45	12.47	12.45	140-150	66.91	32445	99.6, 99.6
160	15.36	15.32	15.32	15.32	15.36	15.32	15.32	15.32	150-160	64.06	32509	99.8, 99.8
170	17.95	17.89	17.86	17.89	17.95	17.89	17.86	17.89	160-170	46.83	32556	99.9, 99.9
180	19.16	19.11	19.06	19.11	19.16	19.11	19.06	19.11	170-180	17.60	32573	100, 100
DEG	LUMINOUS INTENSITY: ×10cd									UNIT: lm		

Conical surface Flux(90deg): 30494 lm

%lum = 93.6%

%lamp = 93.6%

Conical surface Flux(120deg): 31662 lm

%lum = 97.2%

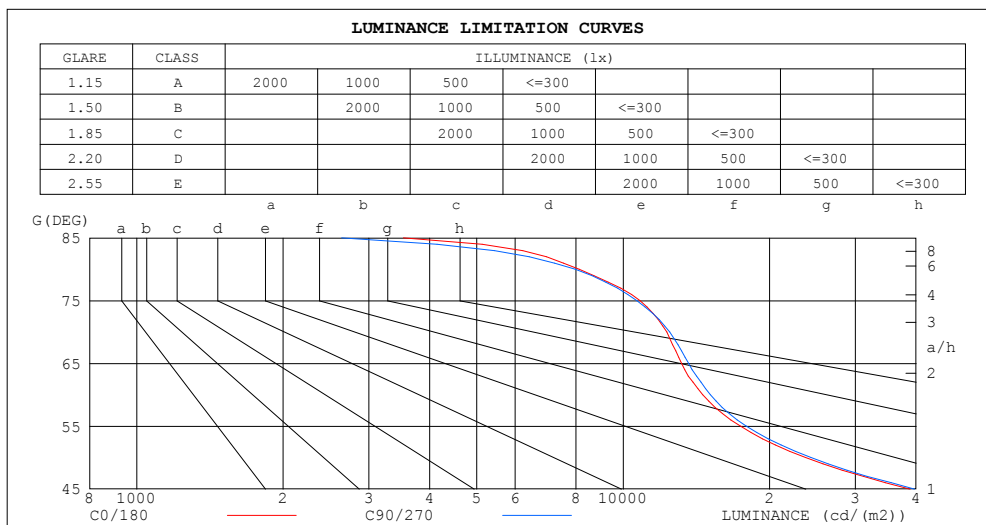
%lamp = 97.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3535	2639
80	8121	7969
75	10833	10659
70	12289	12462
65	13194	13630
60	14578	15112
55	17411	17917
50	23710	24335
45	38901	39726

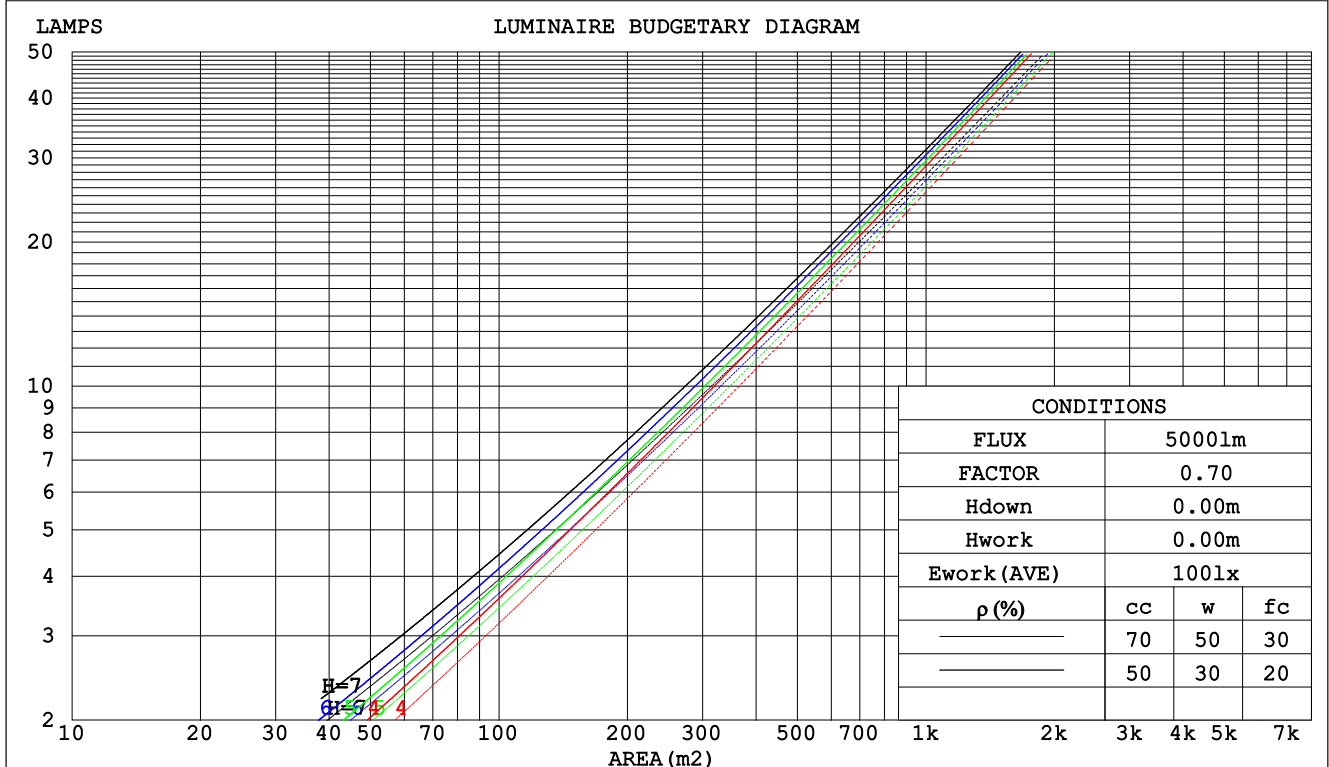
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	.98	.97	.96	.95	.94	.94	.92
2.0	1.02	.98	.95	1.00	.97	.94	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.88	.85	.82	.86	.83	.81	.79
4.0	.89	.83	.79	.88	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.73	.82	.77	.72	.80	.75	.72	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.68	.77	.71	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.68	.63	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.65	.59	.55	.64	.58	.55	.63	.58	.55	.62	.57	.54	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.51	.59	.54	.51	.50



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.184	.105	.033	.177	.101	.032	.164	.094	.030	.152	.088	.028	.141	.081	.026		
2.0	.176	.096	.030	.170	.094	.029	.159	.088	.027	.148	.083	.026	.139	.079	.025		
3.0	.167	.089	.027	.162	.087	.026	.152	.083	.025	.143	.079	.024	.135	.075	.023		
4.0	.159	.082	.024	.154	.081	.024	.146	.077	.023	.138	.074	.022	.131	.071	.022		
5.0	.151	.077	.022	.147	.075	.022	.140	.073	.021	.133	.070	.021	.127	.068	.020		
6.0	.144	.072	.021	.140	.071	.020	.134	.069	.020	.128	.066	.020	.122	.064	.019		
7.0	.137	.068	.019	.134	.067	.019	.128	.065	.019	.123	.063	.018	.118	.061	.018		
8.0	.131	.064	.018	.128	.063	.018	.123	.062	.018	.118	.060	.017	.114	.058	.017		
9.0	.125	.061	.017	.123	.060	.017	.118	.059	.017	.114	.057	.016	.110	.056	.016		
10.0	.120	.058	.016	.118	.057	.016	.114	.056	.016	.110	.055	.016	.106	.053	.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	.096	.083	.072	.056	.049	.042	.018	.016	.014		
3.0	.152	.121	.097	.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	.043	.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	.054	.030	.063	.038	.022	.036	.023	.013	.012	.007	.004		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm										
NAME: H03DTC-18-R380-60-40G-R8					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ERVAN					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	9.4	10.4	9.6	10.5	10.7	9.4	10.3	9.6	10.5	10.7
3H	9.4	10.3	9.7	10.5	10.8	9.4	10.3	9.7	10.5	10.8
4H	9.5	10.3	9.7	10.5	10.8	9.5	10.3	9.8	10.5	10.8
6H	9.4	10.2	9.8	10.5	10.8	9.4	10.2	9.8	10.5	10.8
8H	9.4	10.2	9.7	10.4	10.7	9.4	10.2	9.7	10.4	10.7
12H	9.4	10.1	9.7	10.4	10.7	9.4	10.1	9.7	10.4	10.7
4H 2H	9.2	10.1	9.5	10.3	10.6	9.2	10.1	9.5	10.3	10.6
3H	9.4	10.1	9.7	10.4	10.7	9.4	10.1	9.7	10.4	10.7
4H	9.4	10.1	9.8	10.4	10.7	9.5	10.1	9.8	10.4	10.8
6H	9.5	10.0	9.9	10.4	10.8	9.5	10.1	9.9	10.4	10.8
8H	9.5	10.0	9.9	10.4	10.7	9.5	10.0	9.9	10.4	10.7
12H	9.4	9.9	9.8	10.3	10.7	9.4	9.9	9.8	10.3	10.7
8H 4H	9.4	9.9	9.8	10.3	10.7	9.4	9.9	9.8	10.3	10.7
6H	9.4	9.9	9.9	10.3	10.7	9.4	9.9	9.9	10.3	10.7
8H	9.4	9.8	9.9	10.3	10.7	9.4	9.8	9.9	10.3	10.7
12H	9.4	9.7	9.9	10.2	10.7	9.4	9.7	9.9	10.2	10.7
12H 4H	9.3	9.8	9.8	10.2	10.6	9.3	9.8	9.8	10.2	10.6
6H	9.4	9.8	9.9	10.2	10.7	9.4	9.8	9.9	10.2	10.7
8H	9.4	9.7	9.9	10.2	10.7	9.4	9.7	9.9	10.2	10.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 3.2					+ 2.6 / - 3.2				
1.5H	+ 4.5 / - 2.8					+ 4.4 / - 2.9				
2.0H	+ 2.6 / - 1.1					+ 2.7 / - 1.2				

CIE Pub.117, 32573 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 12.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

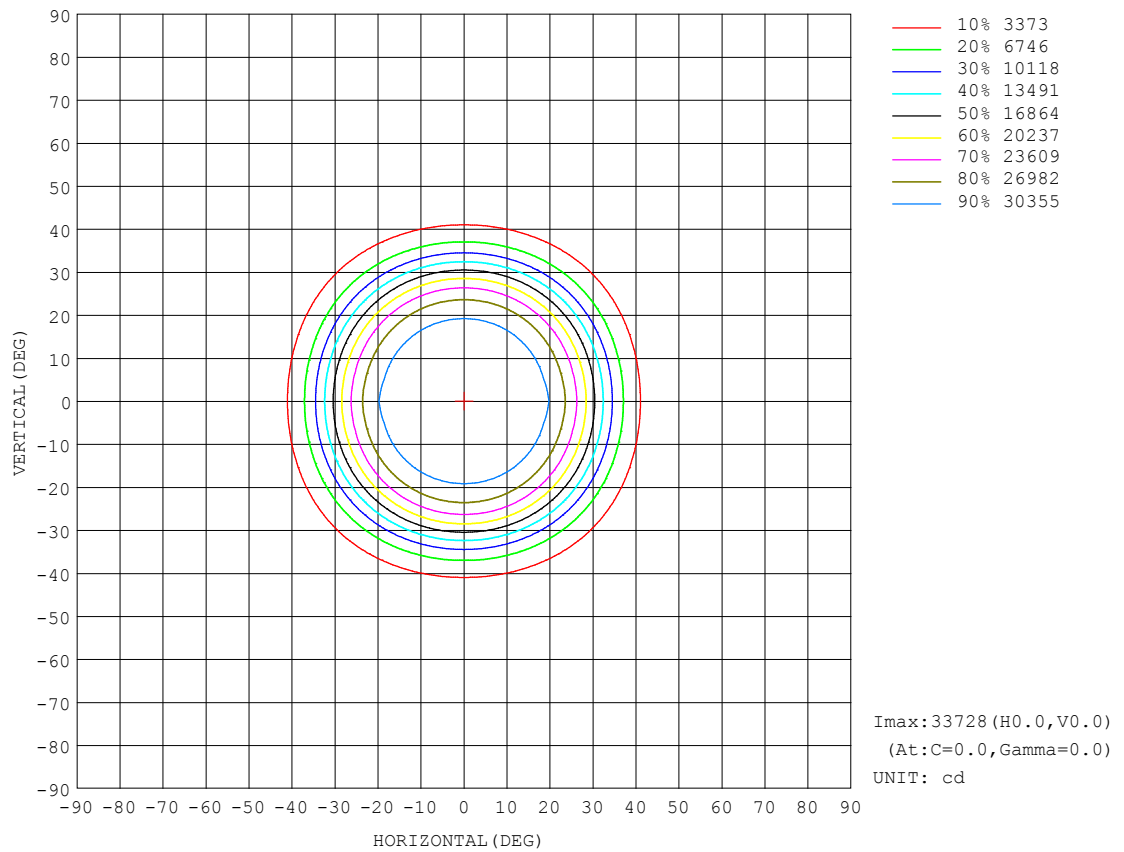
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	97	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: 2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

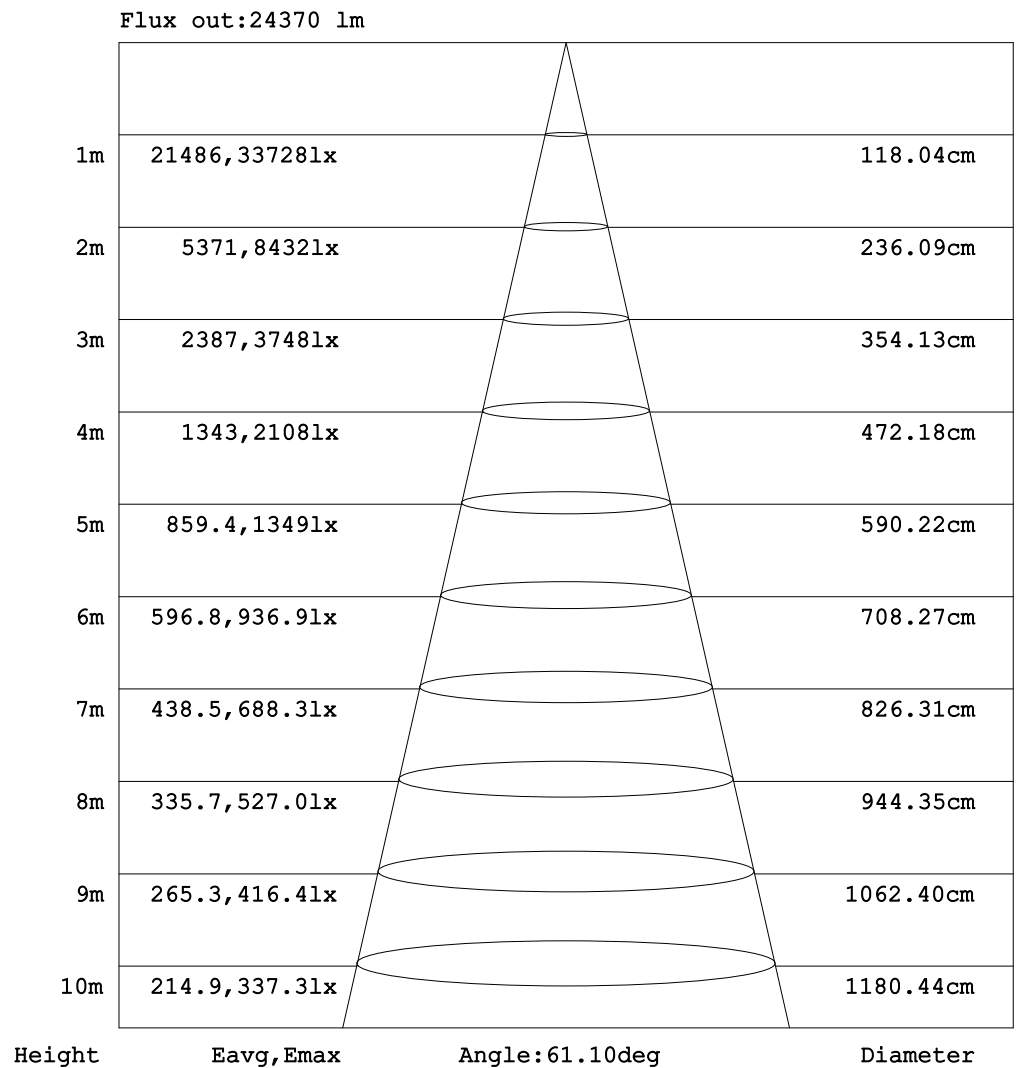


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



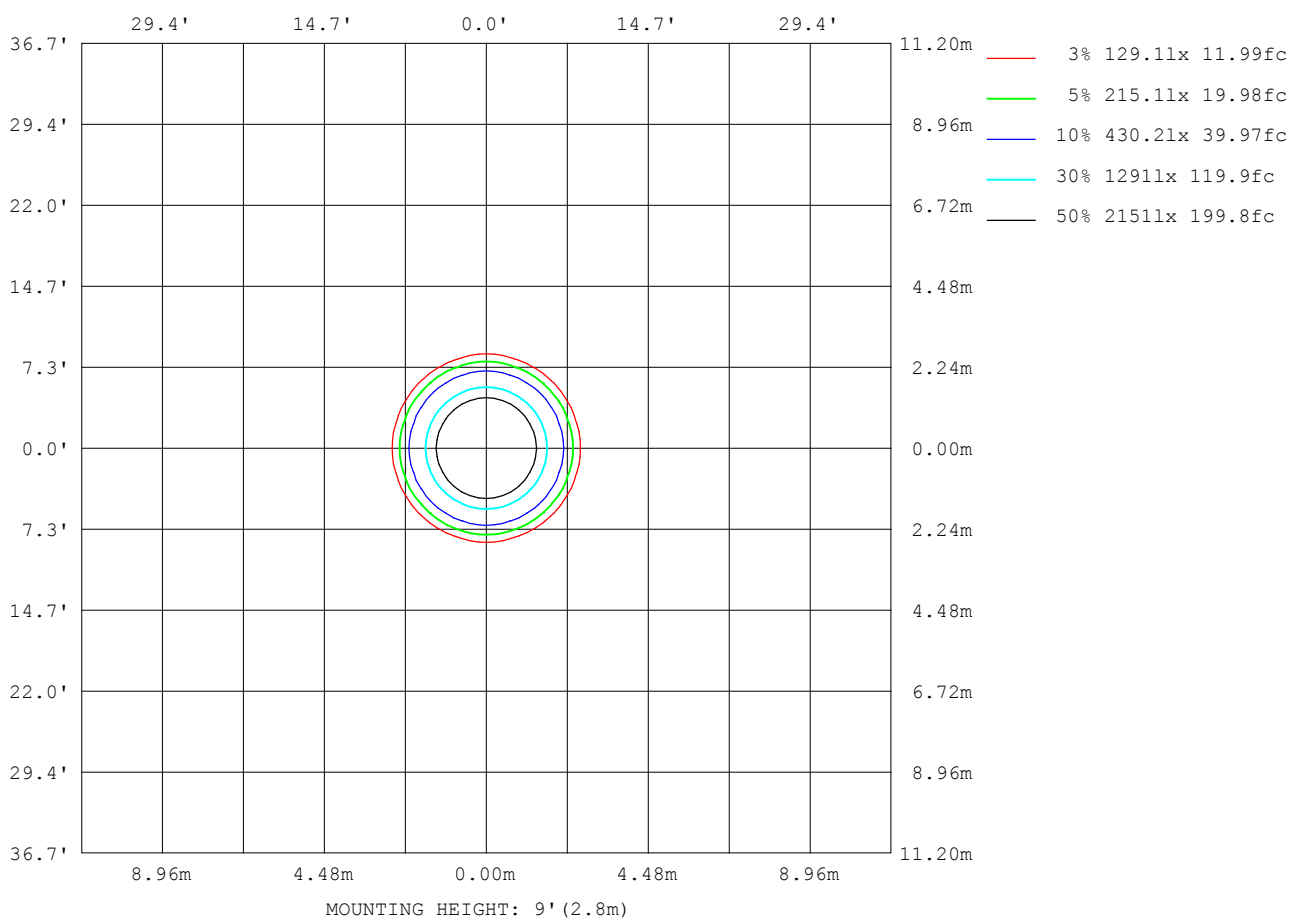
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

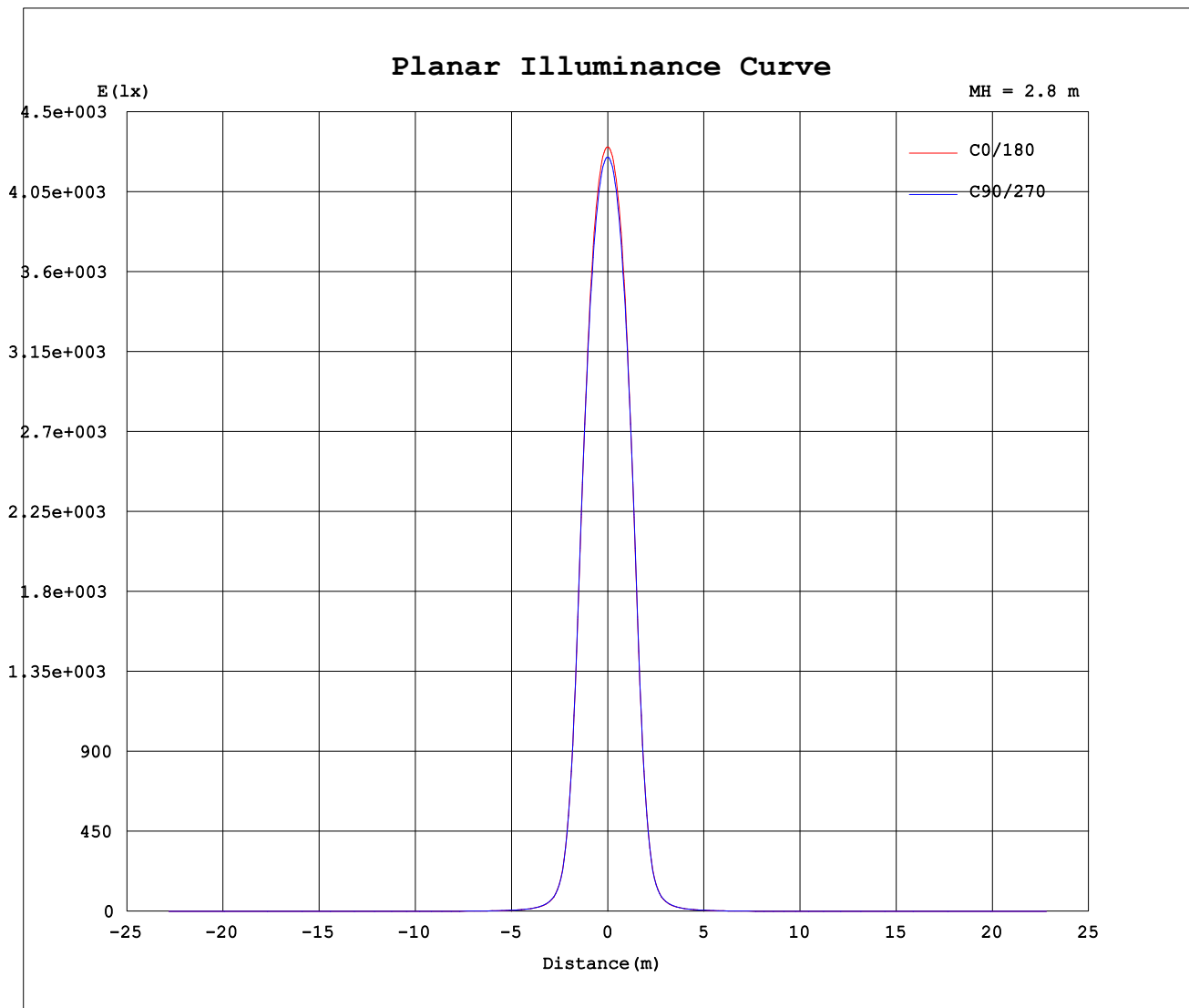
AvgL	cd/m2
L_0~180 (65) av	13039
L_0~180 (75) av	10706
L_0~180 (85) av	3493
L_90~270 (65) av	13653
L_90~270 (75) av	10677
L_90~270 (85) av	2643
L_45 (65) av	13099
L_45 (75) av	10333
L_45 (85) av	2966

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-09

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: 2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	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	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333	3333
5	3330	3330	3330	3329	3329	3328	3328	3328	3329	3329	3330	3330	3330	3330	3330	3329	3329	3328	3328
10	3304	3303	3302	3300	3299	3297	3297	3297	3299	3300	3302	3303	3304	3303	3302	3300	3299	3297	3297
15	3216	3215	3214	3211	3210	3207	3207	3207	3210	3211	3214	3215	3216	3215	3214	3211	3210	3207	3207
20	2984	2988	2990	2991	2993	2993	2994	2993	2993	2991	2990	2988	2984	2988	2990	2991	2993	2993	2994
25	2502	2514	2519	2528	2536	2542	2544	2542	2536	2528	2519	2514	2502	2514	2519	2528	2536	2542	2544
30	1737	1753	1758	1766	1770	1773	1773	1773	1770	1766	1758	1753	1737	1753	1758	1766	1770	1773	1773
35	930	941	942	941	939	937	936	937	939	941	942	941	930	941	942	941	939	937	936
40	407	407	408	407	400	404	400	404	400	407	408	407	407	407	408	407	400	404	400
45	179	183	185	183	184	185	186	185	184	183	185	183	179	183	185	183	184	185	186
50	99.4	101	103	102	101	102	103	102	101	102	103	101	99.4	101	103	102	101	102	103
55	65.1	66.1	68.0	66.4	66.0	66.7	67.9	66.7	66.0	66.4	68.0	66.1	65.1	66.1	68.0	66.4	66.0	66.7	67.9
60	47.5	47.9	50.2	48.2	48.1	48.6	50.0	48.6	48.1	48.2	50.2	47.9	47.5	47.9	50.2	48.2	48.1	48.6	50.0
65	36.4	36.2	38.5	36.5	36.8	37.0	38.1	37.0	36.8	36.5	38.5	36.2	36.4	36.2	38.5	36.5	36.8	37.0	38.1
70	27.4	26.5	28.4	27.0	27.4	27.2	28.2	27.2	27.4	27.0	28.4	26.5	27.4	26.5	28.4	27.0	27.4	27.2	28.2
75	18.3	17.1	18.3	17.7	18.1	17.9	18.2	17.9	18.1	17.7	18.3	17.1	18.3	17.1	18.3	17.7	18.1	17.9	18.2
80	9.20	8.78	9.19	8.88	9.17	9.08	9.15	9.08	9.17	8.88	9.19	8.78	9.20	8.78	9.19	8.88	9.17	9.08	9.15
85	2.01	1.81	1.77	1.71	1.73	1.59	1.52	1.59	1.73	1.71	1.77	1.81	2.01	1.81	1.77	1.71	1.73	1.59	1.52
90	0.18	0.18	0.19	0.19	0.18	0.19	0.19	0.19	0.18	0.19	0.19	0.18	0.18	0.18	0.19	0.19	0.18	0.19	0.19
95	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26
100	0.37	0.40	0.40	0.40	0.40	0.41	0.40	0.41	0.40	0.40	0.40	0.40	0.37	0.40	0.40	0.40	0.40	0.41	0.40
105	0.64	0.70	0.71	0.72	0.71	0.73	0.72	0.73	0.71	0.72	0.71	0.70	0.64	0.70	0.71	0.72	0.71	0.73	0.72
110	1.18	1.28	1.28	1.30	1.30	1.31	1.31	1.31	1.30	1.30	1.28	1.28	1.18	1.28	1.28	1.30	1.30	1.31	1.31
115	1.99	2.09	2.10	2.12	2.12	2.14	2.13	2.14	2.12	2.12	2.10	2.09	1.99	2.09	2.10	2.12	2.12	2.14	2.13
120	2.99	3.08	3.09	3.10	3.11	3.12	3.11	3.12	3.11	3.10	3.09	3.08	2.99	3.08	3.09	3.10	3.11	3.12	3.11
125	4.17	4.23	4.24	4.25	4.25	4.27	4.26	4.27	4.25	4.25	4.24	4.23	4.17	4.23	4.24	4.25	4.25	4.27	4.26
130	5.54	5.59	5.60	5.61	5.61	5.62	5.62	5.62	5.61	5.61	5.60	5.59	5.54	5.59	5.60	5.61	5.61	5.62	5.62
135	7.12	7.17	7.18	7.19	7.19	7.20	7.20	7.20	7.19	7.19	7.18	7.17	7.12	7.17	7.18	7.19	7.19	7.20	7.20
140	8.86	8.92	8.93	8.94	8.94	8.95	8.96	8.95	8.94	8.94	8.93	8.92	8.86	8.92	8.93	8.94	8.94	8.95	8.96
145	10.7	10.7	10.7	10.7	10.8	10.8	10.7	10.8	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.7
150	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5
155	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0
160	15.4	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.4	15.3	15.3	15.3	15.3	15.3	15.3
165	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
170	18.0	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	18.0	17.9	17.9	17.9	17.9	17.9	17.9
175	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.7	18.7	18.7	18.7	18.7	18.7
180	19.2	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.2	19.1	19.1	19.1	19.1	19.1	19.1

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-09

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:0.8099A P:179.8W PF:0.9632 Freq:49.99Hz Lamp Flux:32573.3x1 lm		
NAME: H03DTC-18-R380-60-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

γ (DEG) \ C (DEG)	285	300	315	330	345														
0	3333	3333	3333	3333	3333														
5	3328	3329	3329	3330	3330														
10	3297	3299	3300	3302	3303														
15	3207	3210	3211	3214	3215														
20	2993	2993	2991	2990	2988														
25	2542	2536	2528	2519	2514														
30	1773	1770	1766	1758	1753														
35	937	939	941	942	941														
40	404	400	407	408	407														
45	185	184	183	185	183														
50	102	101	102	103	101														
55	66.7	66.0	66.4	68.0	66.1														
60	48.6	48.1	48.2	50.2	47.9														
65	37.0	36.8	36.5	38.5	36.2														
70	27.2	27.4	27.0	28.4	26.5														
75	17.9	18.1	17.7	18.3	17.1														
80	9.08	9.17	8.88	9.19	8.78														
85	1.59	1.73	1.71	1.77	1.81														
90	0.19	0.18	0.19	0.19	0.18														
95	0.26	0.26	0.26	0.26	0.25														
100	0.41	0.40	0.40	0.40	0.40														
105	0.73	0.71	0.72	0.71	0.70														
110	1.31	1.30	1.30	1.28	1.28														
115	2.14	2.12	2.12	2.10	2.09														
120	3.12	3.11	3.10	3.09	3.08														
125	4.27	4.25	4.25	4.24	4.23														
130	5.62	5.61	5.61	5.60	5.59														
135	7.20	7.19	7.19	7.18	7.17														
140	8.95	8.94	8.94	8.93	8.92														
145	10.8	10.8	10.7	10.7	10.7														
150	12.5	12.5	12.5	12.4	12.4														
155	14.0	14.0	13.9	13.9	13.9														
160	15.3	15.3	15.3	15.3	15.3														
165	16.7	16.7	16.7	16.7	16.7														
170	17.9	17.9	17.9	17.9	17.9														
175	18.7	18.7	18.7	18.7	18.7														
180	19.1	19.1	19.1	19.1	19.1														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-09

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	33332	33332	33332	33332	33332	33332	33332	33332	33332	33332
3.0	33325	33326	33326	33323	33322	33319	33319	33319	33322	33323
6.0	33276	33274	33269	33259	33254	33247	33248	33247	33254	33259
9.0	33123	33118	33110	33091	33082	33068	33067	33068	33082	33091
12.0	32794	32787	32774	32745	32728	32707	32707	32707	32728	32745
15.0	32156	32154	32142	32113	32096	32069	32068	32069	32096	32113
18.0	31013	31029	31028	31014	31013	30995	30999	30995	31013	31014
21.0	29109	29165	29196	29218	29253	29263	29283	29263	29253	29218
24.0	26216	26324	26380	26449	26523	26581	26600	26581	26523	26449
27.0	22222	22370	22436	22523	22613	22667	22694	22667	22613	22523
30.0	17373	17534	17581	17657	17701	17729	17733	17729	17701	17657
33.0	12329	12470	12498	12525	12512	12507	12500	12507	12512	12525
36.0	7943	8046	8055	8042	8010	7995	7988	7995	8010	8042
39.0	4848	4861	4866	4888	4814	4833	4844	4833	4814	4888
42.0	2837	2866	2870	2859	2841	2847	2851	2847	2841	2859
45.0	1794	1827	1854	1826	1839	1846	1857	1846	1839	1826
48.0	1232	1248	1265	1256	1253	1265	1276	1265	1253	1256
51.0	902.9	916.1	934.5	922.7	918.9	928.6	940.3	928.6	918.9	922.7
54.0	702.0	711.9	730.8	715.9	711.4	718.5	731.4	718.5	711.4	715.9
57.0	569.0	576.1	596.6	579.2	576.5	581.2	594.9	581.2	576.5	579.2
60.0	475.4	479.4	502.5	482.4	481.3	485.6	499.5	485.6	481.3	482.4
63.0	403.3	404.3	428.4	406.8	408.7	411.5	424.9	411.5	408.7	406.8
66.0	345.3	342.1	364.5	345.7	348.6	349.7	360.7	349.7	348.6	345.7
69.0	291.6	284.6	304.4	288.8	292.4	291.3	301.3	291.3	292.4	288.8
72.0	238.1	226.9	243.7	232.6	237.2	234.2	242.3	234.2	237.2	232.6
75.0	182.9	171.1	183.1	176.5	180.6	178.5	182.4	178.5	180.6	176.5
78.0	126.3	119.5	126.5	122.4	125.4	124.9	126.4	124.9	125.4	122.4
81.0	76.94	73.17	75.78	73.47	75.97	74.78	74.68	74.78	75.97	73.47
84.0	34.99	32.16	31.80	30.75	31.52	29.64	28.63	29.64	31.52	30.75
87.0	4.274	4.290	4.320	4.246	4.187	4.156	4.146	4.156	4.187	4.246
90.0	1.815	1.835	1.862	1.854	1.845	1.878	1.859	1.878	1.845	1.854
93.0	2.167	2.208	2.228	2.231	2.225	2.267	2.232	2.267	2.225	2.231
96.0	2.662	2.748	2.774	2.785	2.776	2.823	2.792	2.823	2.776	2.785
99.0	3.393	3.573	3.590	3.634	3.617	3.675	3.626	3.675	3.617	3.634
102.0	4.541	4.909	4.940	4.984	4.979	5.069	5.003	5.069	4.979	4.984
105.0	6.430	7.042	7.066	7.177	7.142	7.252	7.181	7.252	7.142	7.177
108.0	9.285	10.15	10.19	10.34	10.32	10.45	10.35	10.45	10.32	10.34
111.0	13.22	14.24	14.28	14.48	14.48	14.65	14.56	14.65	14.48	14.48
114.0	18.08	19.13	19.20	19.42	19.45	19.62	19.54	19.62	19.45	19.42
117.0	23.72	24.67	24.75	24.95	25.01	25.14	25.07	25.14	25.01	24.95
120.0	29.93	30.78	31.02	31.06	31.06	31.18	31.13	31.18	31.06	31.02
123.0	36.79	37.50	37.59	37.70	37.75	37.83	37.79	37.83	37.75	37.70
126.0	44.26	44.90	44.99	45.08	45.11	45.18	45.14	45.18	45.11	45.08
129.0	52.48	53.02	53.13	53.21	53.24	53.32	53.30	53.32	53.24	53.21
132.0	61.49	62.00	62.09	62.18	62.22	62.27	62.24	62.27	62.22	62.18
135.0	71.20	71.74	71.81	71.90	71.94	72.01	71.98	72.01	71.94	71.90
138.0	81.47	82.02	82.20	82.23	82.26	82.35	82.41	82.35	82.26	82.23
141.0	92.21	92.75	92.96	92.97	93.09	93.12	93.21	93.12	93.09	92.97
144.0	103.2	103.7	103.7	103.9	104.0	104.1	104.0	104.1	104.0	103.9
147.0	113.9	114.2	114.3	114.5	114.6	114.6	114.6	114.6	114.6	114.5
150.0	124.2	124.4	124.4	124.5	124.8	124.7	124.7	124.7	124.8	124.5
153.0	133.7	133.6	133.7	133.7	134.0	133.9	133.9	133.9	134.0	133.7
156.0	142.4	142.0	142.1	142.2	142.5	142.3	142.4	142.3	142.5	142.2
159.0	150.8	150.2	150.3	150.4	150.7	150.4	150.5	150.4	150.7	150.4
162.0	159.2	158.5	158.5	158.7	159.0	158.7	158.7	158.7	159.0	158.7
165.0	167.3	166.6	166.6	166.8	167.0	166.9	166.8	166.9	167.0	166.8
168.0	175.2	174.4	174.3	174.5	174.7	174.5	174.4	174.5	174.7	174.5
171.0	181.3	180.6	180.4	180.6	180.8	180.7	180.4	180.7	180.8	180.6
174.0	186.5	185.9	185.8	185.9	186.0	186.1	185.8	186.1	186.0	185.9
177.0	189.4	188.9	188.7	188.8	188.9	189.0	188.8	189.0	188.9	188.8
180.0	191.6	191.0	190.8	191.1	191.1	191.2	190.6	191.2	191.1	191.1
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	33332	33332	33332	33332	33332	33332	33332	33332	33332	33332
3.0	33326	33326	33325	33326	33326	33323	33322	33319	33319	33319
6.0	33269	33274	33276	33274	33269	33259	33254	33247	33248	33247
9.0	33110	33118	33123	33118	33110	33091	33082	33068	33067	33068
12.0	32774	32787	32794	32787	32774	32745	32728	32707	32707	32707
15.0	32142	32154	32156	32154	32142	32113	32096	32069	32068	32069
18.0	31028	31029	31013	31029	31028	31014	31013	30995	30999	30995
21.0	29196	29165	29109	29165	29196	29218	29253	29263	29283	29263
24.0	26380	26324	26216	26324	26380	26449	26523	26581	26600	26581
27.0	22436	22370	22222	22370	22436	22523	22613	22667	22694	22667
30.0	17581	17534	17373	17534	17581	17657	17701	17729	17733	17729

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-09

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	12498	12470	12329	12470	12498	12525	12512	12507	12500	12507
36.0	8055	8046	7943	8046	8055	8042	8010	7995	7988	7995
39.0	4866	4861	4848	4861	4866	4888	4814	4833	4844	4833
42.0	2870	2866	2837	2866	2870	2859	2841	2847	2851	2847
45.0	1854	1827	1794	1827	1854	1826	1839	1846	1857	1846
48.0	1265	1248	1232	1248	1265	1256	1253	1265	1276	1265
51.0	934.5	916.1	902.9	916.1	934.5	922.7	918.9	928.6	940.3	928.6
54.0	730.8	711.9	702.0	711.9	730.8	715.9	711.4	718.5	731.4	718.5
57.0	596.6	576.1	569.0	576.1	596.6	579.2	576.5	581.2	594.9	581.2
60.0	502.5	479.4	475.4	479.4	502.5	482.4	481.3	485.6	499.5	485.6
63.0	428.4	404.3	403.3	404.3	428.4	406.8	408.7	411.5	424.9	411.5
66.0	364.5	342.1	345.3	342.1	364.5	345.7	348.6	349.7	360.7	349.7
69.0	304.4	284.6	291.6	284.6	304.4	288.8	292.4	291.3	301.3	291.3
72.0	243.7	226.9	238.1	226.9	243.7	232.6	237.2	234.2	242.3	234.2
75.0	183.1	171.1	182.9	171.1	183.1	176.5	180.6	178.5	182.4	178.5
78.0	126.5	119.5	126.3	119.5	126.5	122.4	125.4	124.9	126.4	124.9
81.0	75.78	73.17	76.94	73.17	75.78	73.47	75.97	74.78	74.68	74.78
84.0	31.80	32.16	34.99	32.16	31.80	30.75	31.52	29.64	28.63	29.64
87.0	4.320	4.290	4.274	4.290	4.320	4.246	4.187	4.156	4.146	4.156
90.0	1.862	1.835	1.815	1.835	1.862	1.854	1.845	1.878	1.859	1.878
93.0	2.228	2.208	2.167	2.208	2.228	2.231	2.225	2.267	2.232	2.267
96.0	2.774	2.748	2.662	2.748	2.774	2.785	2.776	2.823	2.792	2.823
99.0	3.590	3.573	3.393	3.573	3.590	3.634	3.617	3.675	3.626	3.675
102.0	4.940	4.909	4.541	4.909	4.940	4.984	4.979	5.069	5.003	5.069
105.0	7.066	7.042	6.430	7.042	7.066	7.177	7.142	7.252	7.181	7.252
108.0	10.19	10.15	9.285	10.15	10.19	10.34	10.32	10.45	10.35	10.45
111.0	14.28	14.24	13.22	14.24	14.28	14.48	14.48	14.65	14.56	14.65
114.0	19.20	19.13	18.08	19.13	19.20	19.42	19.45	19.62	19.54	19.62
117.0	24.75	24.67	23.72	24.67	24.75	24.95	25.01	25.14	25.07	25.14
120.0	30.87	30.78	29.93	30.78	30.87	31.02	31.06	31.18	31.13	31.18
123.0	37.59	37.50	36.79	37.50	37.59	37.70	37.75	37.83	37.79	37.83
126.0	44.99	44.90	44.26	44.90	44.99	45.08	45.11	45.18	45.14	45.18
129.0	53.13	53.02	52.48	53.02	53.13	53.21	53.24	53.32	53.30	53.32
132.0	62.09	62.00	61.49	62.00	62.09	62.18	62.22	62.27	62.24	62.27
135.0	71.81	71.74	71.20	71.74	71.81	71.90	71.94	72.01	71.98	72.01
138.0	82.20	82.02	81.47	82.02	82.20	82.23	82.26	82.35	82.41	82.35
141.0	92.96	92.75	92.21	92.75	92.96	92.97	93.09	93.12	93.21	93.12
144.0	103.7	103.7	103.2	103.7	103.7	103.9	104.0	104.1	104.0	104.1
147.0	114.3	114.2	113.9	114.2	114.3	114.5	114.6	114.6	114.6	114.6
150.0	124.4	124.4	124.2	124.4	124.4	124.5	124.8	124.7	124.7	124.7
153.0	133.7	133.6	133.7	133.6	133.7	133.7	134.0	133.9	133.9	133.9
156.0	142.1	142.0	142.4	142.0	142.1	142.2	142.5	142.3	142.4	142.3
159.0	150.3	150.2	150.8	150.2	150.3	150.4	150.7	150.4	150.5	150.4
162.0	158.5	158.5	159.2	158.5	158.5	158.7	159.0	158.7	158.7	158.7
165.0	166.6	166.6	167.3	166.6	166.6	166.8	167.0	166.9	166.8	166.9
168.0	174.3	174.4	175.2	174.4	174.3	174.5	174.7	174.5	174.4	174.5
171.0	180.4	180.6	181.3	180.6	180.4	180.6	180.8	180.7	180.4	180.7
174.0	185.8	185.9	186.5	185.9	185.8	185.9	186.0	186.1	185.8	186.1
177.0	188.7	188.9	189.4	188.9	188.7	188.8	188.9	189.0	188.8	189.0
180.0	190.8	191.0	191.6	191.0	190.8	191.1	191.1	191.2	190.6	191.2
G/C	300.0	315.0	330.0	345.0						
0.0	33332	33332	33332	33332						
3.0	33322	33323	33326	33326						
6.0	33254	33259	33269	33274						
9.0	33082	33091	33110	33118						
12.0	32728	32745	32774	32787						
15.0	32096	32113	32142	32154						
18.0	31013	31014	31028	31029						
21.0	29253	29218	29196	29165						
24.0	26523	26449	26380	26324						
27.0	22613	22523	22436	22370						
30.0	17701	17657	17581	17534						
33.0	12512	12525	12498	12470						
36.0	8010	8042	8055	8046						
39.0	4814	4888	4866	4861						
42.0	2841	2859	2870	2866						
45.0	1839	1826	1854	1827						
48.0	1253	1256	1265	1248						
51.0	918.9	922.7	934.5	916.1						
54.0	711.4	715.9	730.8	711.9						
57.0	576.5	579.2	596.6	576.1						
60.0	481.3	482.4	502.5	479.4						
63.0	408.7	406.8	428.4	404.3						
66.0	348.6	345.7	364.5	342.1						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-09

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

Photometric Data Table [cd]

69.0	292.4	288.8	304.4	284.6
72.0	237.2	232.6	243.7	226.9
75.0	180.6	176.5	183.1	171.1
78.0	125.4	122.4	126.5	119.5
81.0	75.97	73.47	75.78	73.17
84.0	31.52	30.75	31.80	32.16
87.0	4.187	4.246	4.320	4.290
90.0	1.845	1.854	1.862	1.835
93.0	2.225	2.231	2.228	2.208
96.0	2.776	2.785	2.774	2.748
99.0	3.617	3.634	3.590	3.573
102.0	4.979	4.984	4.940	4.909
105.0	7.142	7.177	7.066	7.042
108.0	10.32	10.34	10.19	10.15
111.0	14.48	14.48	14.28	14.24
114.0	19.45	19.42	19.20	19.13
117.0	25.01	24.95	24.75	24.67
120.0	31.06	31.02	30.87	30.78
123.0	37.75	37.70	37.59	37.50
126.0	45.11	45.08	44.99	44.90
129.0	53.24	53.21	53.13	53.02
132.0	62.22	62.18	62.09	62.00
135.0	71.94	71.90	71.81	71.74
138.0	82.26	82.23	82.20	82.02
141.0	93.09	92.97	92.96	92.75
144.0	104.0	103.9	103.7	103.7
147.0	114.6	114.5	114.3	114.2
150.0	124.8	124.5	124.4	124.4
153.0	134.0	133.7	133.7	133.6
156.0	142.5	142.2	142.1	142.0
159.0	150.7	150.4	150.3	150.2
162.0	159.0	158.7	158.5	158.5
165.0	167.0	166.8	166.6	166.6
168.0	174.7	174.5	174.3	174.4
171.0	180.8	180.6	180.4	180.6
174.0	186.0	185.9	185.8	185.9
177.0	188.9	188.8	188.7	188.9
180.0	191.1	191.1	190.8	191.0

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-09

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: