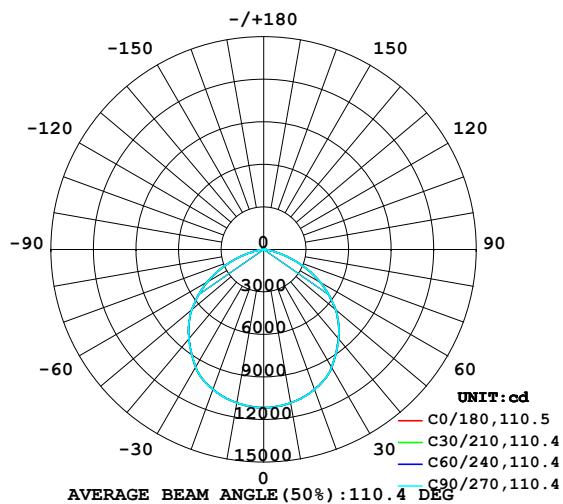


LUMINAIRE PHOTOMETRIC TEST REPORT

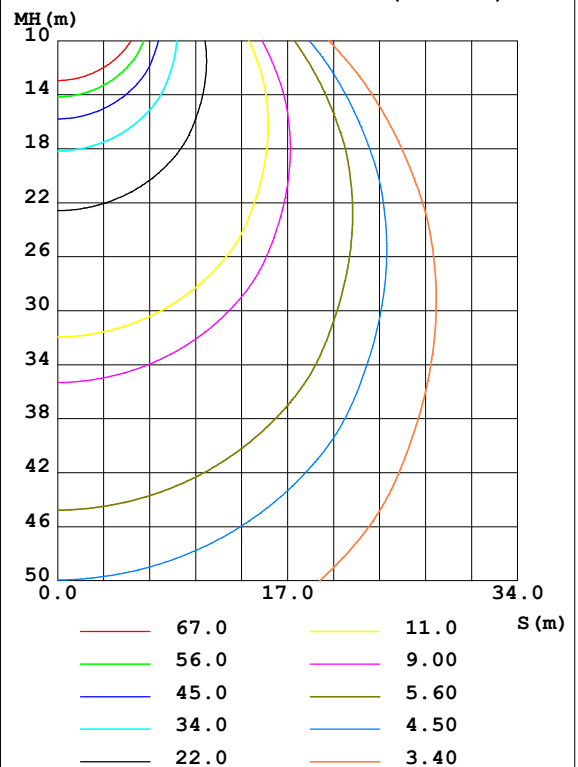
Test:U:230.4V I:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.96 lm/W			
MODEL		I _{max} (cd)	11163	S/MH (C0/180)	1.27
NOMINAL POWER (W)	180	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	30379	η UP, DN (C0-180)	0.5, 49.5
NOMINAL FLUX (lm)	30379.1	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: 2020-04-09

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	1099	1099	1099	1099	1099	1099	1099	1099	0- 10	1057	1057	3.48, 3.48
20	1051	1050	1050	1050	1051	1050	1050	1050	10- 20	3047	4103	13.5, 13.5
30	960.6	959.8	959.3	959.8	960.6	959.8	959.3	959.8	20- 30	4666	8770	28.9, 28.9
40	821.5	821.5	822.1	821.5	821.5	821.5	822.1	821.5	30- 40	5578	14348	47.2, 47.2
50	663.9	663.5	663.4	663.5	663.9	663.5	663.4	663.5	40- 50	5759	20107	66.2, 66.2
60	461.2	460.9	460.1	460.9	461.2	460.9	460.1	460.9	50- 60	5029	25136	82.7, 82.7
70	234.3	233.5	233.6	233.5	234.3	233.5	233.6	233.5	60- 70	3429	28565	94, 94
80	46.89	46.64	46.72	46.64	46.89	46.64	46.72	46.64	70- 80	1391	29955	98.6, 98.6
90	1.102	1.111	1.112	1.111	1.102	1.111	1.112	1.111	80- 90	135.1	30090	99, 99
100	1.960	1.967	1.965	1.967	1.960	1.967	1.965	1.967	90-100	16.43	30107	99.1, 99.1
110	3.097	3.101	3.098	3.101	3.097	3.101	3.098	3.101	100-110	26.57	30133	99.2, 99.2
120	4.302	4.305	4.304	4.305	4.302	4.305	4.304	4.305	110-120	36.69	30170	99.3, 99.3
130	5.486	5.491	5.487	5.491	5.486	5.491	5.487	5.491	120-130	43.82	30214	99.5, 99.5
140	6.661	6.670	6.665	6.670	6.661	6.670	6.665	6.670	130-140	46.96	30261	99.6, 99.6
150	7.779	7.781	7.788	7.781	7.779	7.781	7.788	7.781	140-150	45.30	30306	99.8, 99.8
160	8.706	8.709	8.711	8.709	8.706	8.709	8.711	8.709	150-160	38.09	30344	99.9, 99.9
170	9.454	9.441	9.452	9.441	9.454	9.441	9.452	9.441	160-170	25.67	30370	100, 100
180	9.810	9.783	9.792	9.783	9.810	9.783	9.792	9.783	170-180	9.171	30379	100, 100
DEG	LUMINOUS INTENSITY: *10cd									UNIT: lm		

Conical surface Flux(90deg): 17254 lm

%lum = 56.8%

%lamp = 56.8%

Conical surface Flux(120deg): 25136 lm

%lum = 82.7%

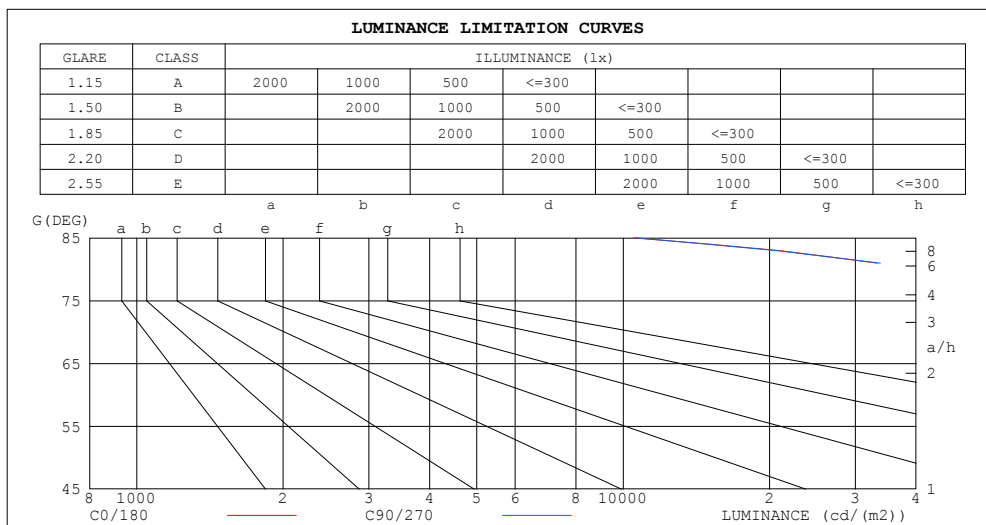
%lamp = 82.7%

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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10512	10637
80	41144	40736
75	75555	74823
70	104361	103414
65	125084	124194
60	140534	139315
55	149459	148409
50	157365	156257
45	161034	160127

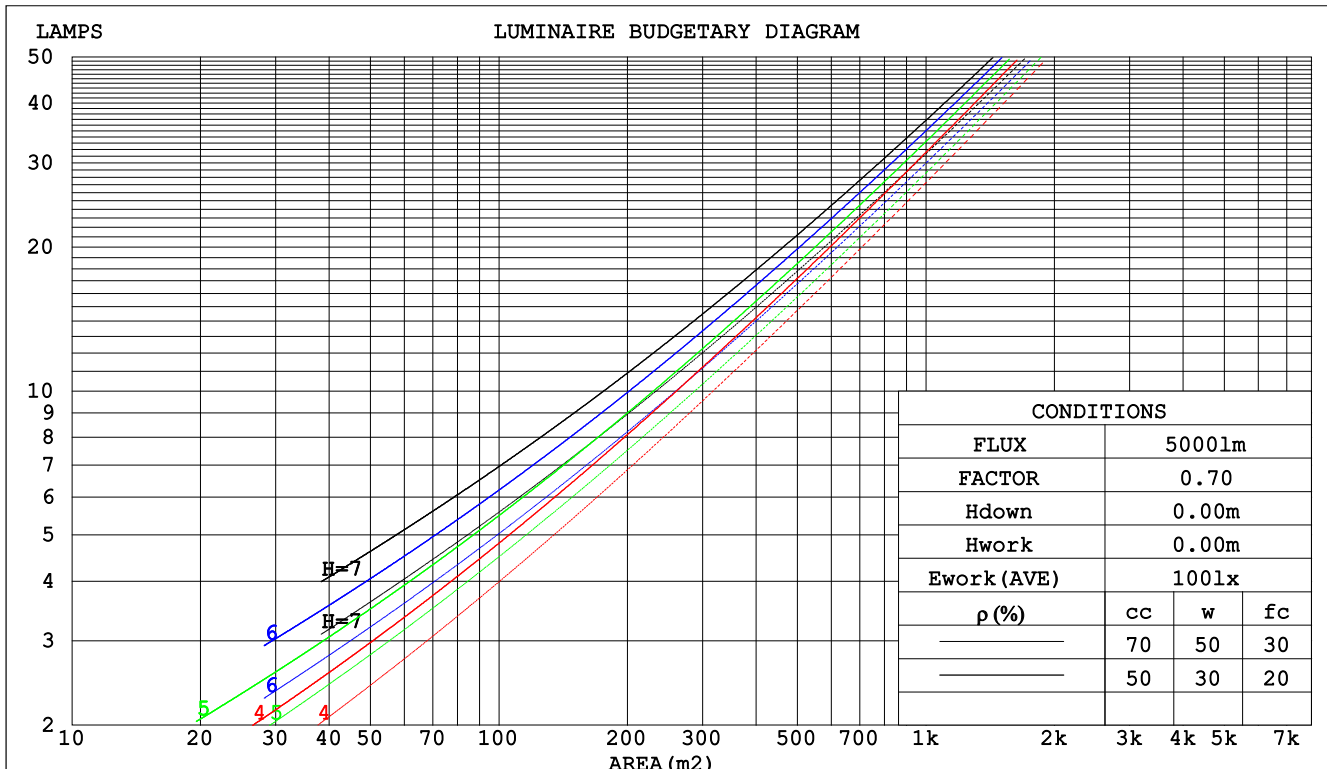
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-09

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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-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	1.05	1.01	.98	1.03	.99	.96	.98	.96	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.81	.90	.84	.79	.87	.82	.78	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.65	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.43	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.31	.27	.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:

WEC AND CCEC

Test:U:230.4V I:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-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	.280	.159	.051	.273	.156	.049	.259	.149	.048	.247	.142	.046	.235	.136	.044	
2.0	.272	.149	.046	.265	.146	.045	.253	.141	.044	.242	.136	.043	.232	.131	.041	
3.0	.256	.136	.041	.250	.134	.040	.239	.130	.039	.230	.126	.039	.220	.122	.038	
4.0	.239	.124	.036	.234	.122	.036	.224	.119	.035	.215	.116	.035	.207	.113	.034	
5.0	.222	.113	.033	.218	.112	.033	.209	.109	.032	.202	.106	.032	.194	.104	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.100	.029	.189	.098	.029	.182	.096	.028	
7.0	.194	.096	.027	.190	.095	.027	.183	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.182	.089	.025	.178	.088	.025	.172	.086	.025	.167	.084	.024	.161	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.161	.077	.021	.158	.076	.021	.153	.075	.021	.149	.074	.021	.144	.073	.021	

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	.186	.164	.144	.159	.140	.124	.109	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.177	.139	.108	.152	.120	.093	.104	.083	.065	.060	.048	.038	.019	.016	.012	
3.0	.169	.122	.084	.145	.105	.073	.100	.073	.051	.057	.043	.030	.018	.014	.010	
4.0	.162	.108	.067	.139	.093	.058	.095	.065	.041	.055	.038	.024	.018	.012	.008	
5.0	.154	.098	.056	.133	.085	.049	.091	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.148	.089	.048	.127	.077	.041	.088	.054	.029	.051	.032	.017	.016	.010	.006	
7.0	.141	.082	.041	.121	.071	.036	.084	.050	.026	.049	.030	.015	.016	.010	.005	
8.0	.135	.077	.037	.116	.066	.032	.080	.047	.023	.047	.028	.014	.015	.009	.004	
9.0	.129	.072	.033	.111	.062	.029	.077	.044	.021	.045	.026	.012	.015	.008	.004	
10.0	.123	.067	.030	.106	.059	.026	.074	.041	.019	.043	.024	.011	.014	.008	.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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm										
NAME: H03DTC-18-R380-BO-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	18.4	19.8	18.7	20.1	20.3	18.4	19.8	18.6	20.0	20.3
3H	19.5	20.8	19.8	21.1	21.3	19.5	20.8	19.8	21.0	21.3
4H	19.7	21.0	20.1	21.3	21.6	19.7	21.0	20.0	21.3	21.5
6H	19.8	21.0	20.1	21.3	21.6	19.8	21.0	20.1	21.2	21.5
8H	19.8	20.9	20.1	21.2	21.5	19.7	20.9	20.1	21.2	21.5
12H	19.7	20.8	20.1	21.1	21.4	19.7	20.8	20.1	21.1	21.4
4H 2H	18.9	20.1	19.2	20.4	20.7	18.9	20.1	19.2	20.4	20.7
3H	20.1	21.2	20.5	21.5	21.8	20.1	21.2	20.4	21.5	21.8
4H	20.4	21.4	20.8	21.8	22.1	20.4	21.4	20.8	21.8	22.1
6H	20.5	21.4	20.9	21.8	22.2	20.5	21.4	20.9	21.8	22.2
8H	20.5	21.3	20.9	21.7	22.1	20.5	21.3	20.9	21.7	22.1
12H	20.5	21.2	20.9	21.6	22.1	20.5	21.2	20.9	21.6	22.0
8H 4H	20.5	21.3	20.9	21.7	22.1	20.5	21.3	20.9	21.7	22.1
6H	20.7	21.3	21.1	21.7	22.2	20.6	21.3	21.1	21.7	22.2
8H	20.6	21.2	21.1	21.7	22.2	20.6	21.2	21.1	21.7	22.1
12H	20.6	21.1	21.1	21.6	22.1	20.6	21.1	21.1	21.6	22.1
12H 4H	20.5	21.2	20.9	21.6	22.1	20.5	21.2	20.9	21.6	22.0
6H	20.6	21.2	21.1	21.7	22.1	20.6	21.2	21.1	21.6	22.1
8H	20.6	21.1	21.1	21.6	22.1	20.6	21.1	21.1	21.6	22.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 30379 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.9)

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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

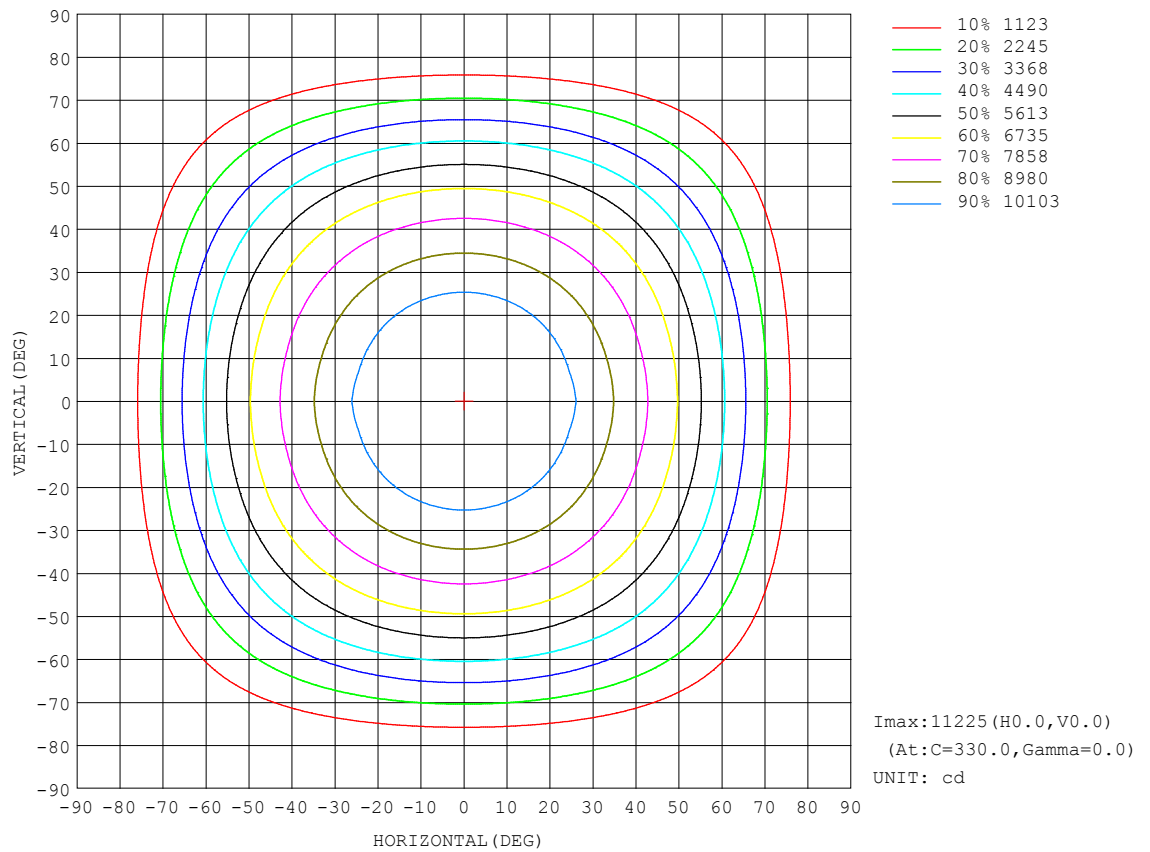
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	41	58	47	40	57	47	40	34
0.80	69	58	51	68	57	50	66	56	50	43
1.00	78	67	60	76	66	60	74	68	59	52
1.25	85	75	68	83	74	68	81	73	67	60
1.50	90	80	74	88	80	73	85	78	72	65
2.00	97	89	83	95	87	82	91	85	80	72
2.50	100	93	87	98	92	86	94	89	84	76
3.00	103	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	102	99	97	87
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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

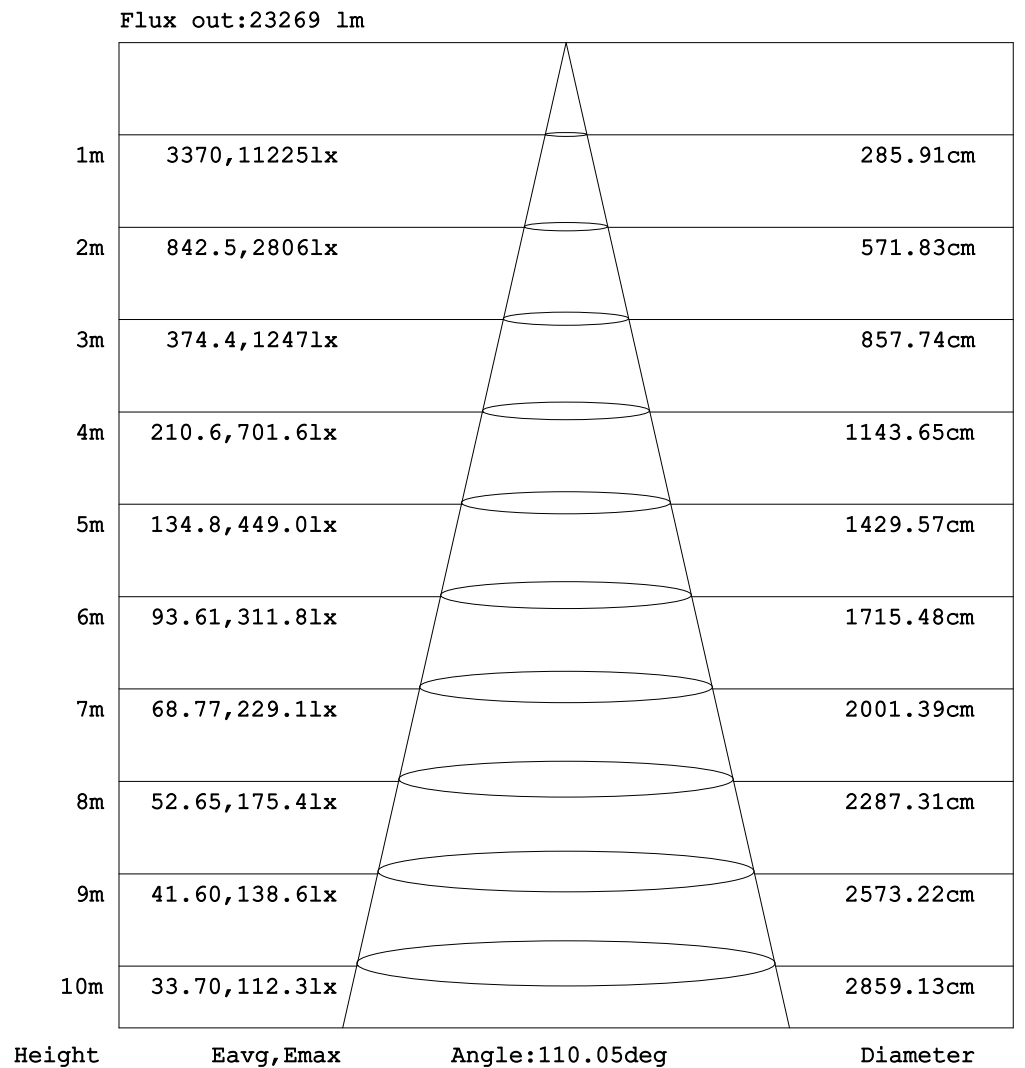


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-09

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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



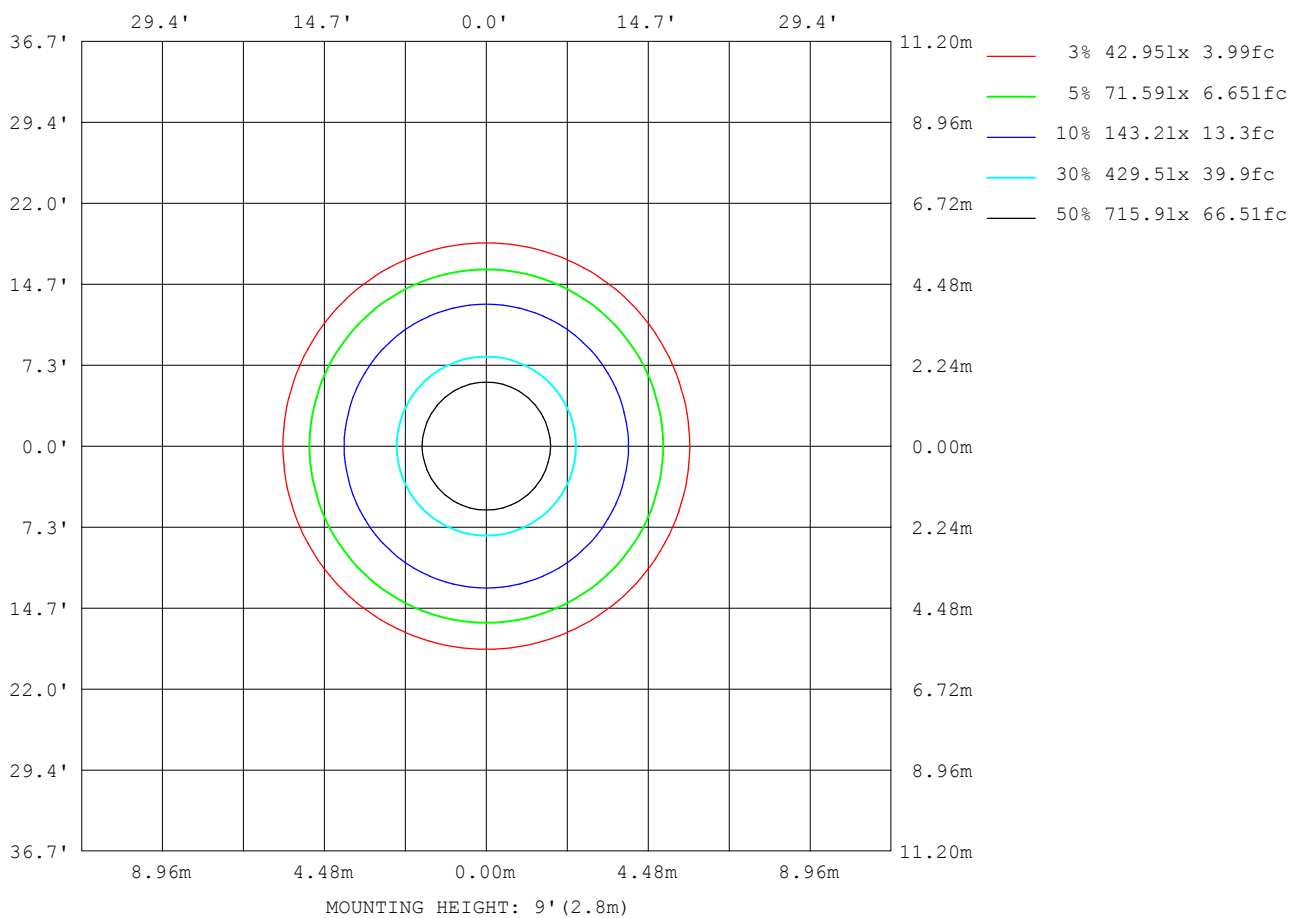
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

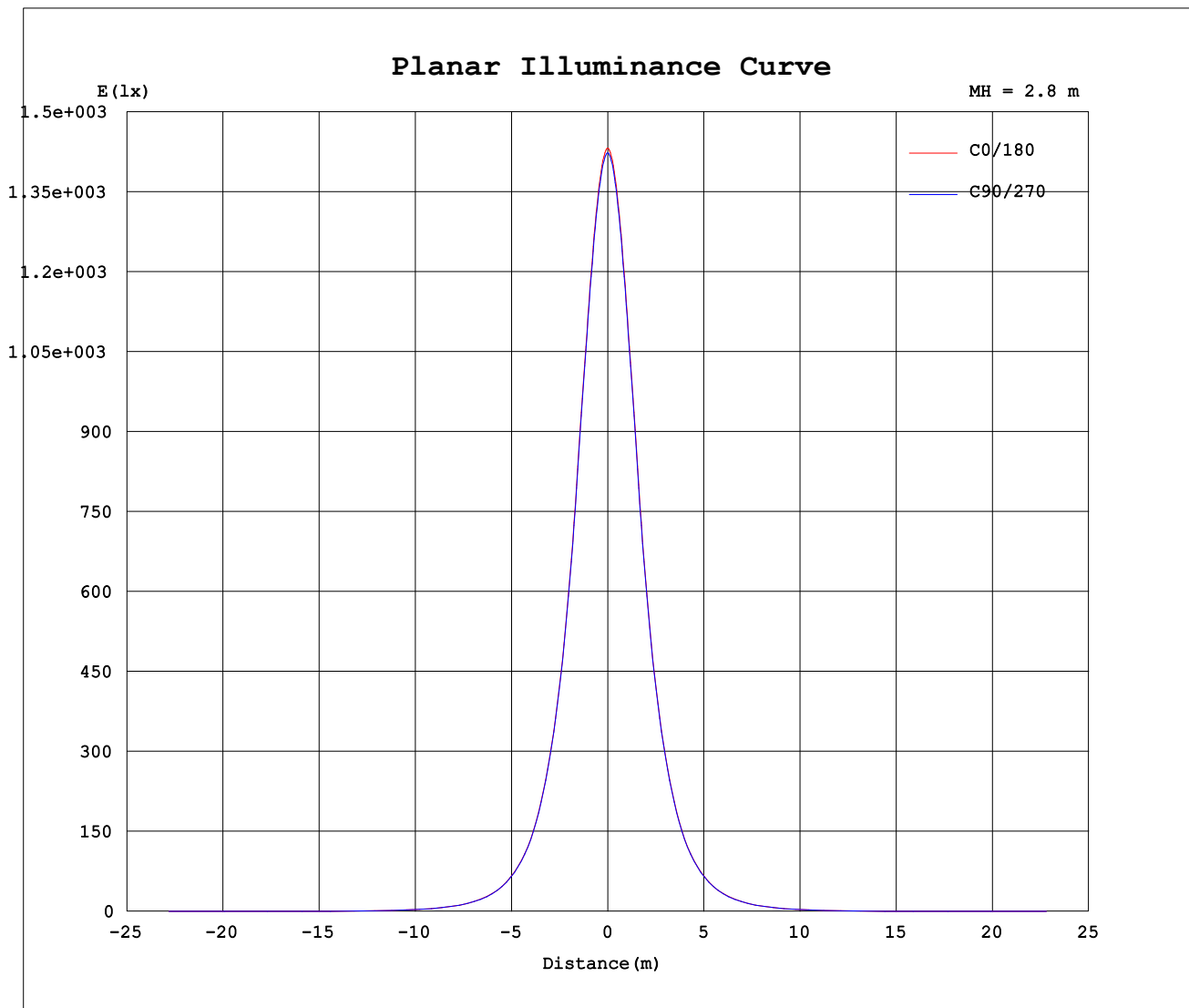
AvgL	cd/m2
L_0~180 (65) av	124392
L_0~180 (75) av	75137
L_0~180 (85) av	10454
L_90~270 (65) av	124281
L_90~270 (75) av	74876
L_90~270 (85) av	10644
L_45 (65) av	124320
L_45 (75) av	74885
L_45 (85) av	10619

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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-40G-R8	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	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116
5	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111	1111
10	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099
15	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079
20	1051	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1051	1050	1050	1050	1050	1050	1050
25	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014
30	961	960	960	960	959	959	959	959	959	960	960	960	961	960	960	960	959	959	959
35	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891
40	822	821	822	821	822	822	822	822	822	821	822	821	822	821	822	821	822	822	822
45	747	747	747	747	748	748	748	748	748	747	747	747	747	747	747	747	748	748	748
50	664	664	664	663	663	663	663	663	663	663	664	664	664	664	664	663	663	663	663
55	563	562	562	563	562	562	562	562	562	563	562	562	563	562	562	563	562	562	562
60	461	461	461	461	460	461	460	461	460	461	461	461	461	461	461	461	460	461	460
65	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347
70	234	234	234	234	233	234	234	234	233	234	234	234	234	234	234	234	233	234	234
75	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
80	46.9	46.9	46.8	46.6	46.9	46.6	46.7	46.6	46.9	46.6	46.8	46.9	46.9	46.9	46.8	46.6	46.9	46.6	46.7
85	6.01	6.07	6.10	6.11	6.13	6.11	6.12	6.11	6.13	6.11	6.10	6.07	6.01	6.07	6.10	6.11	6.13	6.11	6.12
90	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.11	1.11	1.11	1.11	1.11	1.11
95	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
100	1.96	1.97	1.96	1.97	1.96	1.97	1.96	1.97	1.96	1.97	1.96	1.97	1.96	1.97	1.96	1.97	1.96	1.97	1.96
105	2.50	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.50	2.51	2.51	2.51	2.51	2.51	2.51
110	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10
115	3.70	3.70	3.70	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.70	3.70	3.70	3.70	3.70	3.71	3.71	3.71	3.71
120	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
125	4.89	4.90	4.89	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.89	4.90	4.89	4.90	4.89	4.90	4.90	4.90	4.90
130	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
135	6.08	6.09	6.08	6.09	6.08	6.09	6.08	6.09	6.08	6.09	6.08	6.09	6.08	6.09	6.08	6.09	6.08	6.09	6.08
140	6.66	6.67	6.66	6.67	6.66	6.67	6.67	6.67	6.66	6.67	6.66	6.67	6.66	6.67	6.66	6.67	6.66	6.67	6.67
145	7.25	7.23	7.23	7.24	7.25	7.24	7.24	7.24	7.25	7.24	7.23	7.23	7.25	7.23	7.23	7.24	7.25	7.24	7.24
150	7.78	7.78	7.78	7.78	7.78	7.78	7.79	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.79
155	8.26	8.26	8.26	8.26	8.26	8.27	8.27	8.27	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.27	8.27
160	8.71	8.70	8.71	8.71	8.71	8.71	8.71	8.71	8.71	8.71	8.71	8.70	8.71	8.70	8.71	8.71	8.71	8.71	8.71
165	9.11	9.10	9.11	9.11	9.10	9.11	9.11	9.11	9.10	9.11	9.11	9.10	9.11	9.10	9.11	9.11	9.10	9.11	9.11
170	9.45	9.44	9.44	9.44	9.44	9.45	9.45	9.45	9.44	9.44	9.44	9.44	9.45	9.44	9.44	9.44	9.44	9.45	9.45
175	9.70	9.69	9.69	9.68	9.68	9.69	9.69	9.69	9.68	9.68	9.69	9.69	9.70	9.69	9.69	9.68	9.68	9.69	9.69
180	9.81	9.79	9.80	9.78	9.78	9.79	9.79	9.79	9.78	9.78	9.80	9.79	9.81	9.79	9.80	9.78	9.78	9.79	9.79

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:0.8053A P:178.7W PF:0.9633 Freq:49.99Hz Lamp Flux:30379.1x1 lm		
NAME: H03DTC-18-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1116	1116	1116	1116	1116														
5	1111	1111	1111	1111	1111														
10	1099	1099	1099	1099	1099														
15	1079	1079	1079	1079	1079														
20	1050	1050	1050	1050	1050														
25	1014	1014	1014	1014	1014														
30	959	959	960	960	960														
35	891	891	891	891	891														
40	822	822	821	822	821														
45	748	748	747	747	747														
50	663	663	663	664	664														
55	562	562	563	562	562														
60	461	460	461	461	461														
65	347	347	347	347	347														
70	234	233	234	234	234														
75	128	128	128	128	128														
80	46.6	46.9	46.6	46.8	46.9														
85	6.11	6.13	6.11	6.10	6.07														
90	1.11	1.11	1.11	1.11	1.11														
95	1.49	1.49	1.49	1.49	1.49														
100	1.97	1.96	1.97	1.96	1.97														
105	2.51	2.51	2.51	2.51	2.51														
110	3.10	3.10	3.10	3.10	3.10														
115	3.71	3.71	3.71	3.70	3.70														
120	4.30	4.30	4.30	4.30	4.30														
125	4.90	4.90	4.90	4.89	4.90														
130	5.49	5.49	5.49	5.49	5.49														
135	6.09	6.08	6.09	6.08	6.09														
140	6.67	6.66	6.67	6.66	6.67														
145	7.24	7.25	7.24	7.23	7.23														
150	7.78	7.78	7.78	7.78	7.78														
155	8.27	8.26	8.26	8.26	8.26														
160	8.71	8.71	8.71	8.71	8.70														
165	9.11	9.10	9.11	9.11	9.10														
170	9.45	9.44	9.44	9.44	9.44														
175	9.69	9.68	9.68	9.69	9.69														
180	9.79	9.78	9.78	9.80	9.79														

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	11163	11163	11163	11163	11163	11163	11163	11163	11163	11163
3.0	11140	11139	11140	11139	11138	11140	11140	11140	11138	11139
6.0	11091	11091	11091	11091	11090	11090	11091	11090	11090	11090
9.0	11018	11018	11018	11018	11017	11018	11018	11018	11017	11018
12.0	10918	10918	10919	10918	10917	10919	10919	10919	10917	10918
15.0	10790	10789	10789	10788	10788	10789	10789	10789	10788	10788
18.0	10630	10628	10629	10628	10627	10629	10629	10629	10627	10628
21.0	10438	10436	10437	10435	10435	10436	10438	10436	10435	10435
24.0	10217	10215	10216	10215	10215	10215	10216	10215	10215	10215
27.0	9959	9958	9957	9955	9954	9954	9954	9954	9954	9955
30.0	9606	9604	9603	9598	9595	9593	9593	9593	9595	9598
33.0	9183	9184	9181	9181	9177	9179	9177	9179	9177	9181
36.0	8771	8771	8771	8771	8770	8772	8773	8772	8770	8771
39.0	8355	8355	8358	8356	8358	8359	8361	8359	8358	8356
42.0	7928	7927	7931	7928	7932	7932	7935	7932	7932	7928
45.0	7474	7471	7474	7472	7475	7475	7478	7475	7475	7472
48.0	6989	6986	6989	6986	6989	6988	6991	6988	6989	6986
51.0	6441	6440	6444	6438	6434	6434	6435	6434	6434	6438
54.0	5827	5824	5825	5823	5823	5822	5822	5822	5823	5823
57.0	5228	5228	5228	5230	5226	5229	5225	5229	5226	5230
60.0	4612	4606	4609	4609	4604	4606	4601	4606	4604	4609
63.0	3916	3913	3917	3915	3915	3911	3915	3911	3915	3915
66.0	3251	3250	3254	3250	3253	3250	3248	3250	3253	3250
69.0	2561	2556	2559	2559	2556	2557	2557	2557	2556	2559
72.0	1910	1900	1901	1898	1900	1899	1902	1899	1900	1898
75.0	1283	1280	1281	1279	1280	1277	1279	1277	1280	1279
78.0	750.2	749.9	747.1	747.7	745.4	745.9	745.7	745.9	745.4	747.7
81.0	341.6	345.1	349.9	340.2	349.9	339.2	349.2	339.2	349.9	340.2
84.0	103.7	104.4	104.3	112.7	104.5	112.4	112.4	112.4	104.5	112.7
87.0	22.89	23.07	23.14	23.23	23.22	23.27	23.25	23.27	23.22	23.23
90.0	11.02	11.11	11.09	11.11	11.09	11.09	11.12	11.09	11.09	11.11
93.0	13.22	13.28	13.27	13.29	13.27	13.28	13.29	13.28	13.27	13.29
96.0	15.75	15.83	15.79	15.81	15.79	15.80	15.80	15.80	15.79	15.81
99.0	18.58	18.66	18.62	18.66	18.62	18.64	18.64	18.64	18.62	18.66
102.0	21.70	21.78	21.73	21.76	21.74	21.76	21.75	21.76	21.74	21.76
105.0	25.03	25.09	25.06	25.06	25.06	25.08	25.06	25.08	25.06	25.08
108.0	28.54	28.67	28.57	28.59	28.57	28.59	28.58	28.59	28.57	28.59
111.0	32.16	32.20	32.18	32.22	32.19	32.21	32.21	32.21	32.19	32.22
114.0	35.83	35.84	35.83	35.86	35.85	35.86	35.86	35.86	35.85	35.86
117.0	39.46	39.47	39.47	39.49	39.49	39.50	39.49	39.50	39.49	39.49
120.0	43.02	43.02	43.02	43.05	43.04	43.05	43.04	43.05	43.04	43.05
123.0	46.58	46.58	46.57	46.59	46.59	46.60	46.60	46.60	46.59	46.59
126.0	50.14	50.15	50.15	50.16	50.15	50.15	50.17	50.15	50.15	50.16
129.0	53.65	53.74	53.70	53.72	53.69	53.72	53.69	53.72	53.69	53.72
132.0	57.25	57.30	57.27	57.31	57.28	57.33	57.27	57.33	57.28	57.31
135.0	60.80	60.85	60.79	60.86	60.80	60.88	60.81	60.88	60.80	60.86
138.0	64.26	64.33	64.22	64.36	64.25	64.37	64.27	64.37	64.25	64.36
141.0	67.82	67.82	67.78	67.86	67.84	67.90	67.84	67.90	67.86	67.86
144.0	71.36	71.22	71.22	71.26	71.39	71.29	71.30	71.29	71.39	71.26
147.0	74.61	74.54	74.55	74.59	74.60	74.61	74.61	74.61	74.60	74.59
150.0	77.79	77.75	77.78	77.81	77.83	77.84	77.88	77.84	77.83	77.81
153.0	80.73	80.68	80.73	80.76	80.76	80.79	80.81	80.79	80.76	80.76
156.0	83.52	83.49	83.52	83.55	83.54	83.58	83.62	83.58	83.54	83.55
159.0	86.20	86.18	86.22	86.23	86.22	86.26	86.27	86.26	86.22	86.23
162.0	88.71	88.69	88.78	88.75	88.71	88.78	88.82	88.78	88.71	88.75
165.0	91.06	91.02	91.05	91.06	91.02	91.10	91.09	91.10	91.02	91.06
168.0	93.27	93.18	93.19	93.19	93.16	93.23	93.25	93.23	93.16	93.19
171.0	95.04	94.97	94.93	94.90	94.89	94.97	95.03	94.97	94.89	94.90
174.0	96.67	96.59	96.60	96.52	96.52	96.57	96.66	96.57	96.52	96.52
177.0	97.45	97.38	97.40	97.30	97.27	97.33	97.40	97.33	97.27	97.30
180.0	98.10	97.94	97.95	97.83	97.80	97.86	97.92	97.86	97.80	97.83
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	11163	11163	11163	11163	11163	11163	11163	11163	11163	11163
3.0	11140	11139	11140	11139	11140	11139	11138	11140	11140	11140
6.0	11091	11091	11091	11091	11090	11090	11090	11090	11091	11090
9.0	11018	11018	11018	11018	11018	11018	11017	11018	11018	11018
12.0	10919	10918	10918	10918	10919	10918	10917	10919	10919	10919
15.0	10789	10789	10790	10789	10789	10788	10788	10789	10789	10789
18.0	10629	10628	10630	10628	10629	10628	10627	10629	10629	10629
21.0	10437	10436	10438	10436	10437	10435	10435	10436	10438	10436
24.0	10216	10215	10217	10215	10216	10215	10215	10215	10216	10215
27.0	9957	9958	9959	9958	9957	9955	9954	9954	9954	9954
30.0	9603	9604	9606	9604	9603	9598	9595	9593	9593	9593

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]

33.0	9181	9184	9183	9184	9181	9181	9177	9179	9177	9179
36.0	8771	8771	8771	8771	8771	8771	8770	8772	8773	8772
39.0	8358	8355	8355	8355	8358	8356	8358	8359	8361	8359
42.0	7931	7927	7928	7927	7931	7928	7932	7932	7935	7932
45.0	7474	7471	7474	7471	7474	7472	7475	7475	7478	7475
48.0	6989	6986	6989	6986	6989	6986	6989	6988	6991	6988
51.0	6444	6440	6441	6440	6444	6438	6434	6434	6435	6434
54.0	5825	5824	5827	5824	5825	5823	5823	5822	5822	5822
57.0	5228	5228	5228	5228	5228	5230	5226	5229	5225	5229
60.0	4609	4606	4612	4606	4609	4609	4604	4606	4601	4606
63.0	3917	3913	3916	3913	3917	3915	3915	3911	3915	3911
66.0	3254	3250	3251	3250	3254	3250	3253	3250	3248	3250
69.0	2559	2556	2561	2556	2559	2559	2556	2557	2557	2557
72.0	1901	1900	1910	1900	1901	1898	1900	1899	1902	1899
75.0	1281	1280	1283	1280	1281	1279	1280	1277	1279	1277
78.0	747.1	749.9	750.2	749.9	747.1	747.7	745.4	745.9	745.7	745.9
81.0	349.9	345.1	341.6	345.1	349.9	340.2	349.9	339.2	349.2	339.2
84.0	104.3	104.4	103.7	104.4	104.3	112.7	104.5	112.4	103.4	112.4
87.0	23.14	23.07	22.89	23.07	23.14	23.23	23.22	23.27	23.25	23.27
90.0	11.09	11.11	11.02	11.11	11.09	11.11	11.09	11.09	11.12	11.09
93.0	13.27	13.28	13.22	13.28	13.27	13.29	13.27	13.28	13.29	13.28
96.0	15.79	15.83	15.75	15.83	15.79	15.81	15.79	15.80	15.80	15.80
99.0	18.62	18.66	18.58	18.66	18.62	18.66	18.62	18.64	18.64	18.64
102.0	21.73	21.78	21.70	21.78	21.73	21.76	21.74	21.76	21.75	21.76
105.0	25.06	25.09	25.03	25.09	25.06	25.08	25.06	25.08	25.06	25.08
108.0	28.57	28.67	28.54	28.67	28.57	28.59	28.57	28.59	28.58	28.59
111.0	32.18	32.20	32.16	32.20	32.18	32.22	32.19	32.21	32.19	32.21
114.0	35.83	35.84	35.83	35.84	35.83	35.86	35.85	35.86	35.86	35.86
117.0	39.47	39.47	39.46	39.47	39.47	39.49	39.49	39.50	39.49	39.50
120.0	43.02	43.02	43.02	43.02	43.02	43.05	43.04	43.05	43.04	43.05
123.0	46.57	46.58	46.58	46.58	46.57	46.59	46.59	46.60	46.60	46.60
126.0	50.15	50.15	50.14	50.15	50.15	50.16	50.15	50.15	50.17	50.15
129.0	53.70	53.74	53.65	53.74	53.70	53.72	53.69	53.72	53.69	53.72
132.0	57.27	57.30	57.25	57.30	57.27	57.31	57.28	57.33	57.27	57.33
135.0	60.79	60.85	60.80	60.85	60.79	60.86	60.80	60.88	60.81	60.88
138.0	64.22	64.33	64.26	64.33	64.22	64.36	64.25	64.37	64.27	64.37
141.0	67.78	67.82	67.82	67.82	67.78	67.86	67.84	67.90	67.84	67.90
144.0	71.22	71.22	71.36	71.22	71.22	71.26	71.39	71.29	71.30	71.29
147.0	74.55	74.54	74.61	74.54	74.55	74.59	74.60	74.61	74.64	74.61
150.0	77.78	77.75	77.79	77.75	77.78	77.81	77.83	77.84	77.88	77.84
153.0	80.73	80.68	80.73	80.68	80.73	80.76	80.76	80.79	80.81	80.79
156.0	83.52	83.49	83.52	83.49	83.52	83.55	83.54	83.58	83.62	83.58
159.0	86.22	86.18	86.20	86.18	86.22	86.23	86.22	86.26	86.27	86.26
162.0	88.78	88.69	88.71	88.69	88.78	88.75	88.71	88.78	88.82	88.78
165.0	91.05	91.02	91.06	91.02	91.05	91.06	91.02	91.10	91.09	91.10
168.0	93.19	93.18	93.27	93.18	93.19	93.19	93.16	93.23	93.25	93.23
171.0	94.93	94.97	95.04	94.97	94.93	94.90	94.89	94.97	95.03	94.97
174.0	96.60	96.59	96.67	96.59	96.60	96.52	96.52	96.57	96.66	96.57
177.0	97.40	97.38	97.45	97.38	97.40	97.30	97.27	97.33	97.40	97.33
180.0	97.95	97.94	98.10	97.94	97.95	97.83	97.80	97.86	97.92	97.86
G/C	300.0	315.0	330.0	345.0						
0.0	11163	11163	11163	11163						
3.0	11138	11139	11140	11139						
6.0	11090	11090	11091	11091						
9.0	11017	11018	11018	11018						
12.0	10917	10918	10919	10918						
15.0	10788	10788	10789	10789						
18.0	10627	10628	10629	10628						
21.0	10435	10435	10437	10436						
24.0	10215	10215	10216	10215						
27.0	9954	9955	9957	9958						
30.0	9595	9598	9603	9604						
33.0	9177	9181	9181	9184						
36.0	8770	8771	8771	8771						
39.0	8358	8356	8358	8355						
42.0	7932	7928	7931	7927						
45.0	7475	7472	7474	7471						
48.0	6989	6986	6989	6986						
51.0	6434	6438	6444	6440						
54.0	5823	5823	5825	5824						
57.0	5226	5230	5228	5228						
60.0	4604	4609	4609	4606						
63.0	3915	3915	3917	3913						
66.0	3253	3250	3254	3250						

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]

69.0	2556	2559	2559	2556
72.0	1900	1898	1901	1900
75.0	1280	1279	1281	1280
78.0	745.4	747.7	747.1	749.9
81.0	349.9	340.2	349.9	345.1
84.0	104.5	112.7	104.3	104.4
87.0	23.22	23.23	23.14	23.07
90.0	11.09	11.11	11.09	11.11
93.0	13.27	13.29	13.27	13.28
96.0	15.79	15.81	15.79	15.83
99.0	18.62	18.66	18.62	18.66
102.0	21.74	21.76	21.73	21.78
105.0	25.06	25.08	25.06	25.09
108.0	28.57	28.59	28.57	28.67
111.0	32.19	32.22	32.18	32.20
114.0	35.85	35.86	35.83	35.84
117.0	39.49	39.49	39.47	39.47
120.0	43.04	43.05	43.02	43.02
123.0	46.59	46.59	46.57	46.58
126.0	50.15	50.16	50.15	50.15
129.0	53.69	53.72	53.70	53.74
132.0	57.28	57.31	57.27	57.30
135.0	60.80	60.86	60.79	60.85
138.0	64.25	64.36	64.22	64.33
141.0	67.84	67.86	67.78	67.82
144.0	71.39	71.26	71.22	71.22
147.0	74.60	74.59	74.55	74.54
150.0	77.83	77.81	77.78	77.75
153.0	80.76	80.76	80.73	80.68
156.0	83.54	83.55	83.52	83.49
159.0	86.22	86.23	86.22	86.18
162.0	88.71	88.75	88.78	88.69
165.0	91.02	91.06	91.05	91.02
168.0	93.16	93.19	93.19	93.18
171.0	94.89	94.90	94.93	94.97
174.0	96.52	96.52	96.60	96.59
177.0	97.27	97.30	97.40	97.38
180.0	97.80	97.83	97.95	97.94

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: