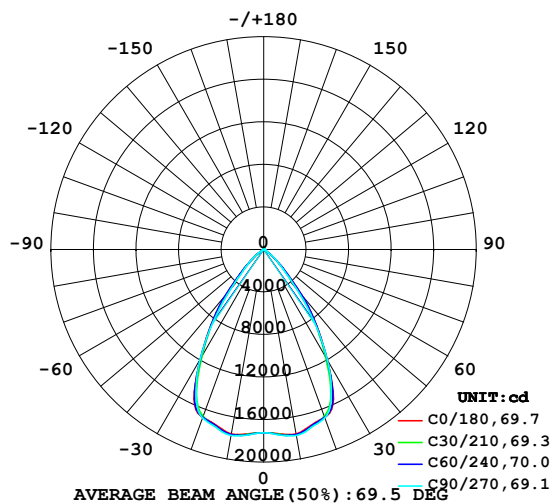


LUMINAIRE PHOTOMETRIC TEST REPORT

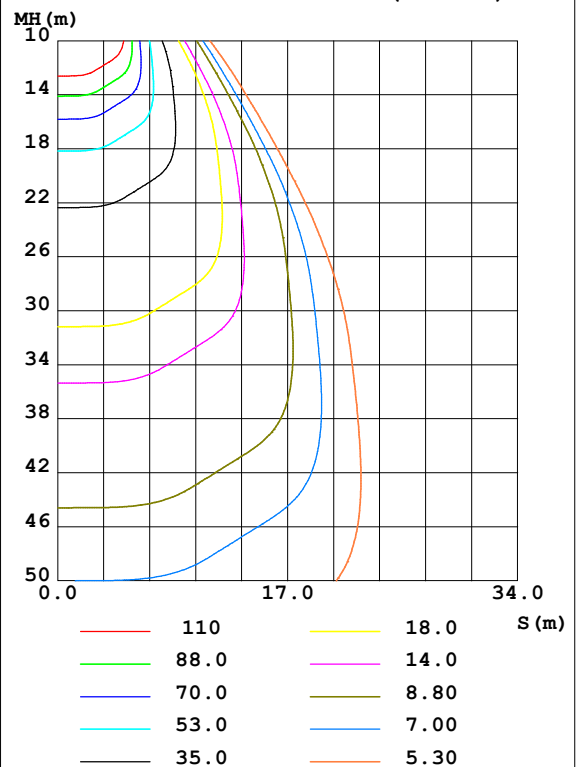
Test:U:230.3V I:0.6576A P:149.1W PF:0.9844 Freq:49.99Hz Lamp Flux:21766.3x1 lm		
NAME: H29SPC-15-R280-70-40H-2523030R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.02 lm/W			
MODEL		I _{max} (cd)	17747	S/MH (C0/180)	1.03
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.01
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	21766	η UP, DN (C0-180)	0.5, 49.5
NOMINAL FLUX (lm)	21766.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.5
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	230	η down (%)	99.0	CIBSE SHR MAX	1.05

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: 2020-05-15

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	1760	1766	1775	1766	1760	1766	1775	1766	0- 10	1675	1675	7.7,7.7
20	1681	1678	1685	1678	1681	1678	1685	1678	10- 20	4879	6554	30.1,30.1
30	1192	1193	1198	1193	1192	1193	1198	1193	20- 30	6819	13373	61.4,61.4
40	540.5	508.3	479.7	508.3	540.5	508.3	479.7	508.3	30- 40	5251	18624	85.6,85.6
50	136.8	137.4	135.1	137.4	136.8	137.4	135.1	137.4	40- 50	2193	20818	95.6,95.6
60	19.77	21.57	21.72	21.57	19.77	21.57	21.72	21.57	50- 60	550.5	21368	98.2,98.2
70	7.105	7.848	7.973	7.848	7.105	7.848	7.973	7.848	60- 70	125.8	21494	98.7,98.7
80	1.855	1.952	1.902	1.952	1.855	1.952	1.902	1.952	70- 80	49.43	21543	99,99
90	0.1233	0.1206	0.1205	0.1206	0.1233	0.1206	0.1205	0.1206	80- 90	5.666	21549	99,99
100	0.4085	0.3784	0.3647	0.3784	0.4085	0.3784	0.3647	0.3784	90-100	2.436	21551	99,99
110	1.109	1.069	1.062	1.069	1.109	1.069	1.062	1.069	100-110	7.253	21559	99,99
120	2.303	2.275	2.276	2.275	2.303	2.275	2.276	2.275	110-120	16.17	21575	99.1,99.1
130	3.951	3.918	3.918	3.918	3.951	3.918	3.918	3.918	120-130	27.26	21602	99.2,99.2
140	5.988	5.950	5.945	5.950	5.988	5.950	5.945	5.950	130-140	37.87	21640	99.4,99.4
150	8.084	8.038	8.032	8.038	8.084	8.038	8.032	8.038	140-150	43.77	21684	99.6,99.6
160	9.880	9.840	9.846	9.840	9.880	9.840	9.846	9.840	150-160	41.20	21725	99.8,99.8
170	11.46	11.43	11.42	11.43	11.46	11.43	11.42	11.43	160-170	30.03	21755	99.9,99.9
180	12.36	12.32	12.27	12.32	12.36	12.32	12.27	12.32	170-180	11.28	21766	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 20016 lm

%lum = 92.0%

%lamp = 92.0%

Conical surface Flux(120deg): 21368 lm

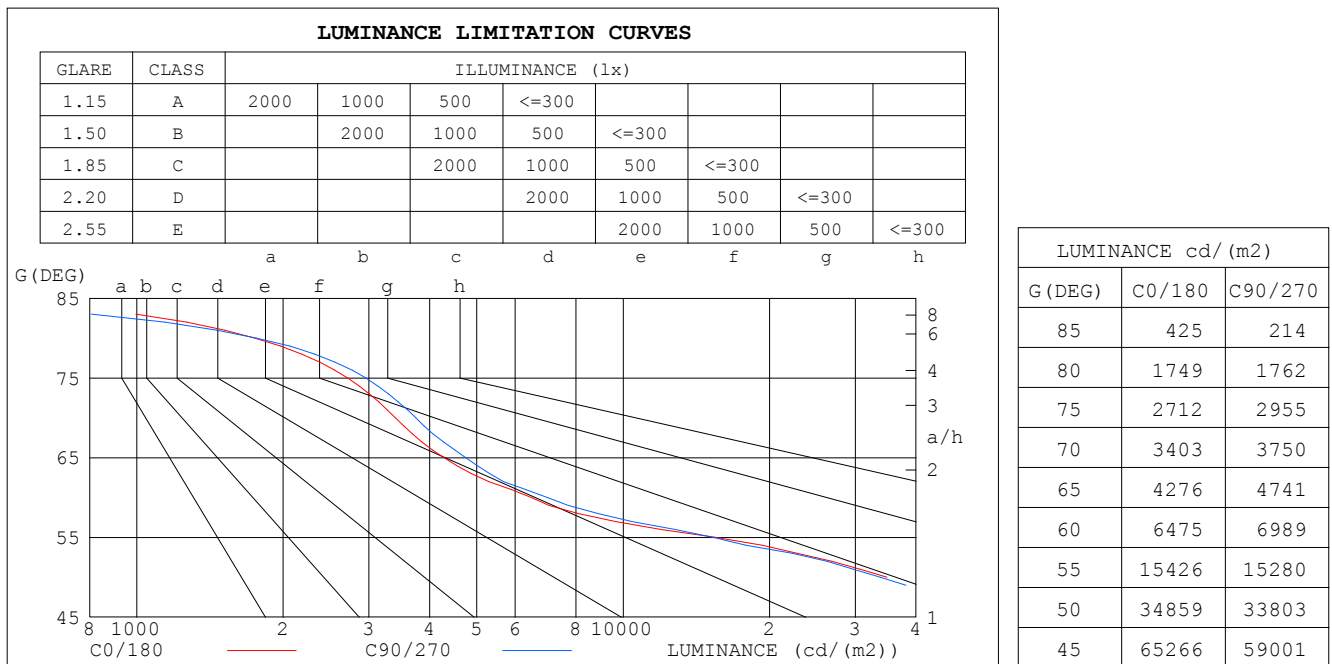
%lum = 98.2%

%lamp = 98.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-05-15

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

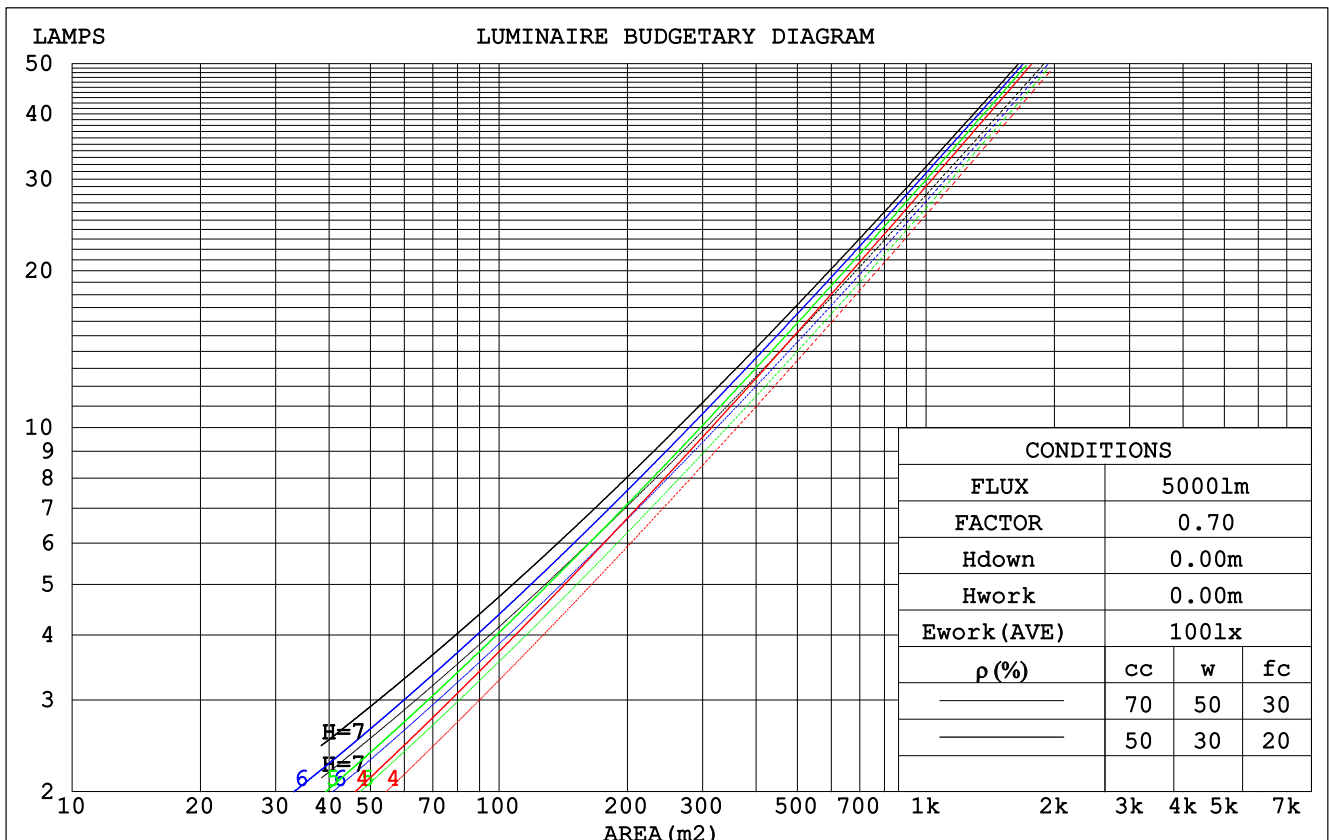


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-05-15

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

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	1.07	1.05	1.08	1.05	1.03	1.03	1.01	.00	.99	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.00	.96	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.94	.88	.84	.92	.87	.83	.89	.85	.82	.87	.83	.80	.84	.82	.79	.77
4.0	.87	.81	.76	.86	.80	.76	.83	.78	.75	.81	.77	.74	.79	.76	.73	.71
5.0	.81	.74	.70	.80	.74	.69	.78	.72	.69	.76	.71	.68	.74	.70	.67	.66
6.0	.75	.69	.64	.74	.68	.64	.72	.67	.63	.71	.66	.63	.69	.65	.62	.60
7.0	.70	.63	.59	.69	.63	.59	.68	.62	.58	.66	.62	.58	.65	.61	.57	.56
8.0	.65	.59	.54	.65	.59	.54	.63	.58	.54	.62	.57	.54	.61	.57	.53	.52
9.0	.61	.55	.51	.61	.55	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.48
10.0	.58	.51	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.54	.50	.46	.45



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-05-15

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

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	.191	.108	.034	.184	.105	.033	.170	.098	.031	.158	.091	.029	.147	.085	.027		
2.0	.184	.101	.031	.178	.098	.030	.167	.093	.029	.157	.088	.028	.147	.083	.026		
3.0	.176	.094	.028	.171	.092	.028	.162	.088	.027	.153	.084	.026	.144	.080	.025		
4.0	.168	.087	.026	.164	.086	.025	.155	.082	.025	.148	.079	.024	.140	.076	.023		
5.0	.161	.082	.024	.157	.080	.023	.149	.078	.023	.142	.075	.022	.136	.073	.022		
6.0	.153	.077	.022	.150	.076	.022	.143	.073	.021	.137	.071	.021	.131	.069	.021		
7.0	.146	.072	.021	.143	.071	.020	.137	.069	.020	.132	.068	.020	.127	.066	.019		
8.0	.140	.068	.019	.137	.068	.019	.132	.066	.019	.127	.064	.019	.122	.063	.018		
9.0	.134	.065	.018	.131	.064	.018	.127	.063	.018	.122	.061	.018	.118	.060	.017		
10.0	.128	.061	.017	.126	.061	.017	.122	.060	.017	.117	.058	.017	.114	.057	.016		

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	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.180	.165	.151	.154	.141	.130	.105	.097	.090	.061	.056	.052	.019	.018	.017	
2.0	.166	.140	.119	.142	.121	.103	.097	.083	.072	.056	.049	.042	.018	.016	.014	
3.0	.154	.121	.095	.132	.105	.083	.091	.073	.058	.052	.042	.034	.017	.014	.011	
4.0	.145	.107	.078	.124	.092	.068	.085	.064	.048	.049	.038	.028	.016	.012	.009	
5.0	.137	.096	.065	.117	.083	.057	.081	.058	.040	.047	.034	.024	.015	.011	.008	
6.0	.130	.087	.056	.111	.075	.048	.077	.052	.034	.045	.031	.020	.014	.010	.007	
7.0	.123	.079	.048	.106	.069	.042	.073	.048	.030	.043	.028	.018	.014	.009	.006	
8.0	.118	.073	.042	.102	.063	.037	.070	.045	.026	.041	.026	.016	.013	.009	.005	
9.0	.113	.068	.038	.097	.059	.033	.067	.042	.023	.039	.025	.014	.013	.008	.005	
10.0	.108	.064	.034	.093	.055	.030	.065	.039	.021	.038	.023	.013	.012	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-05-15

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

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	12.1	13.1	12.3	13.3	13.5	12.1	13.1	12.3	13.3	13.5
3H	11.9	12.9	12.2	13.1	13.3	11.9	12.9	12.2	13.1	13.3
4H	11.9	12.7	12.2	13.0	13.2	11.8	12.7	12.1	13.0	13.2
6H	11.8	12.6	12.1	12.9	13.1	11.8	12.6	12.1	12.8	13.1
8H	11.7	12.5	12.0	12.8	13.1	11.7	12.5	12.0	12.8	13.1
12H	11.7	12.4	12.0	12.7	13.0	11.7	12.4	12.0	12.7	13.0
4H 2H	11.9	12.7	12.2	13.0	13.2	11.8	12.7	12.1	13.0	13.2
3H	11.7	12.5	12.0	12.8	13.1	11.7	12.4	12.0	12.7	13.0
4H	11.6	12.3	12.0	12.6	13.0	11.6	12.3	12.0	12.6	12.9
6H	11.5	12.1	11.9	12.5	12.9	11.5	12.1	11.9	12.5	12.8
8H	11.5	12.0	11.9	12.4	12.8	11.5	12.0	11.9	12.4	12.8
12H	11.4	11.9	11.9	12.3	12.7	11.4	11.9	11.8	12.3	12.7
8H 4H	11.5	12.0	11.9	12.4	12.8	11.5	12.0	11.9	12.4	12.8
6H	11.4	11.8	11.8	12.3	12.7	11.4	11.8	11.8	12.2	12.7
8H	11.3	11.7	11.8	12.2	12.6	11.3	11.7	11.8	12.2	12.6
12H	11.3	11.6	11.8	12.1	12.6	11.3	11.6	11.8	12.1	12.6
12H 4H	11.4	11.9	11.9	12.3	12.7	11.4	11.9	11.8	12.3	12.7
6H	11.3	11.7	11.8	12.2	12.6	11.3	11.7	11.8	12.2	12.6
8H	11.3	11.6	11.8	12.1	12.6	11.3	11.6	11.8	12.1	12.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.1 / - 9.9					+ 2.6 / - 9.6				
1.5H	+ 4.6 / - 7.3					+ 3.9 / - 7.6				
2.0H	+ 6.1 / - 8.2					+ 5.5 / - 8.0				

CIE Pub.117, 21766 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-05-15

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:

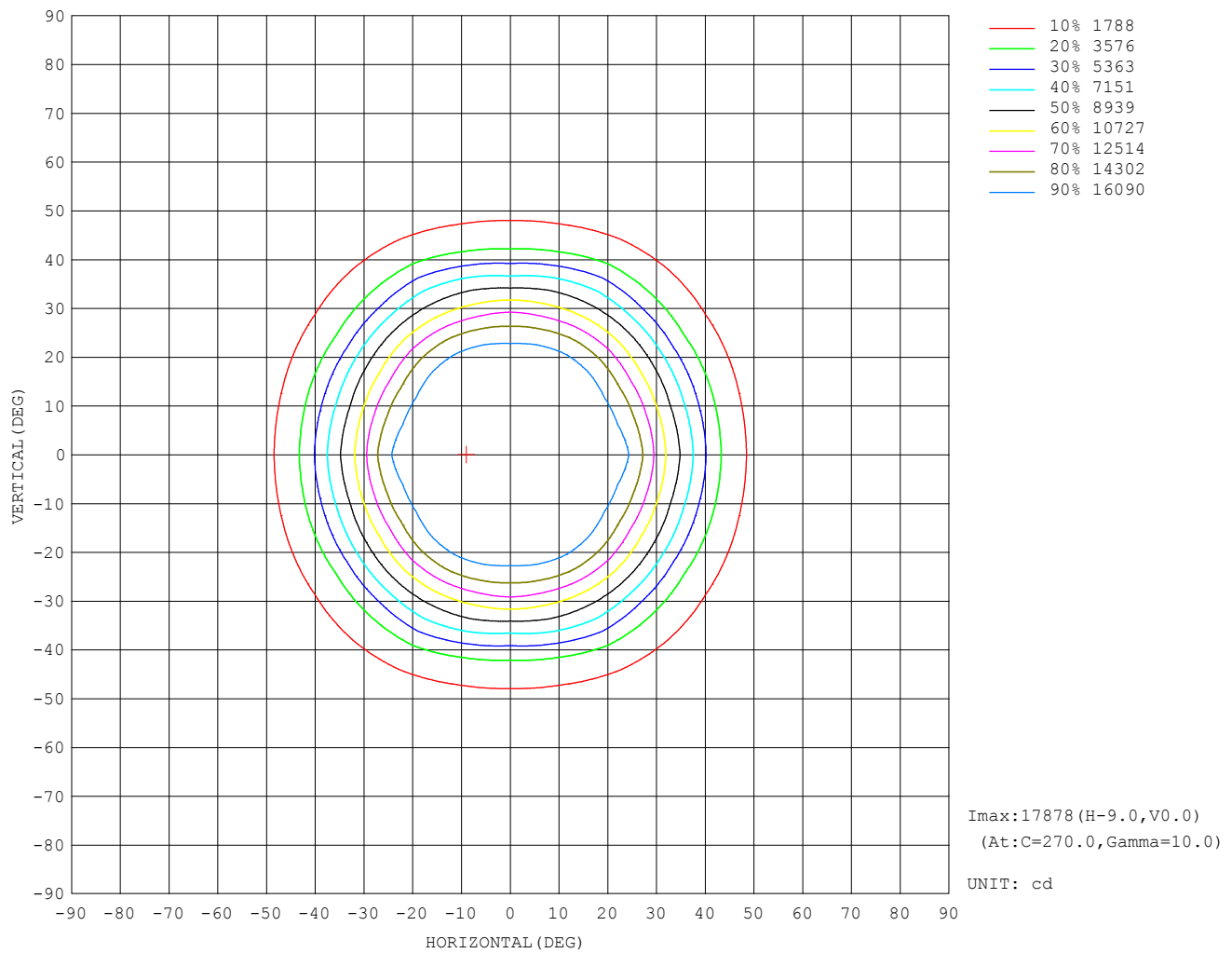
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	82	75	71	82	75	71	81	75	71	67
0.80	91	84	80	90	84	80	88	83	79	75
1.00	96	90	86	95	89	85	93	89	85	80
1.25	101	95	91	99	94	91	97	93	90	85
1.50	104	98	95	102	98	94	100	96	93	88
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	105	101	107	103	100	104	101	98	92
3.00	111	107	104	109	105	103	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	95
5.00	114	111	109	112	110	108	108	106	104	96
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: 2020-05-15

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:

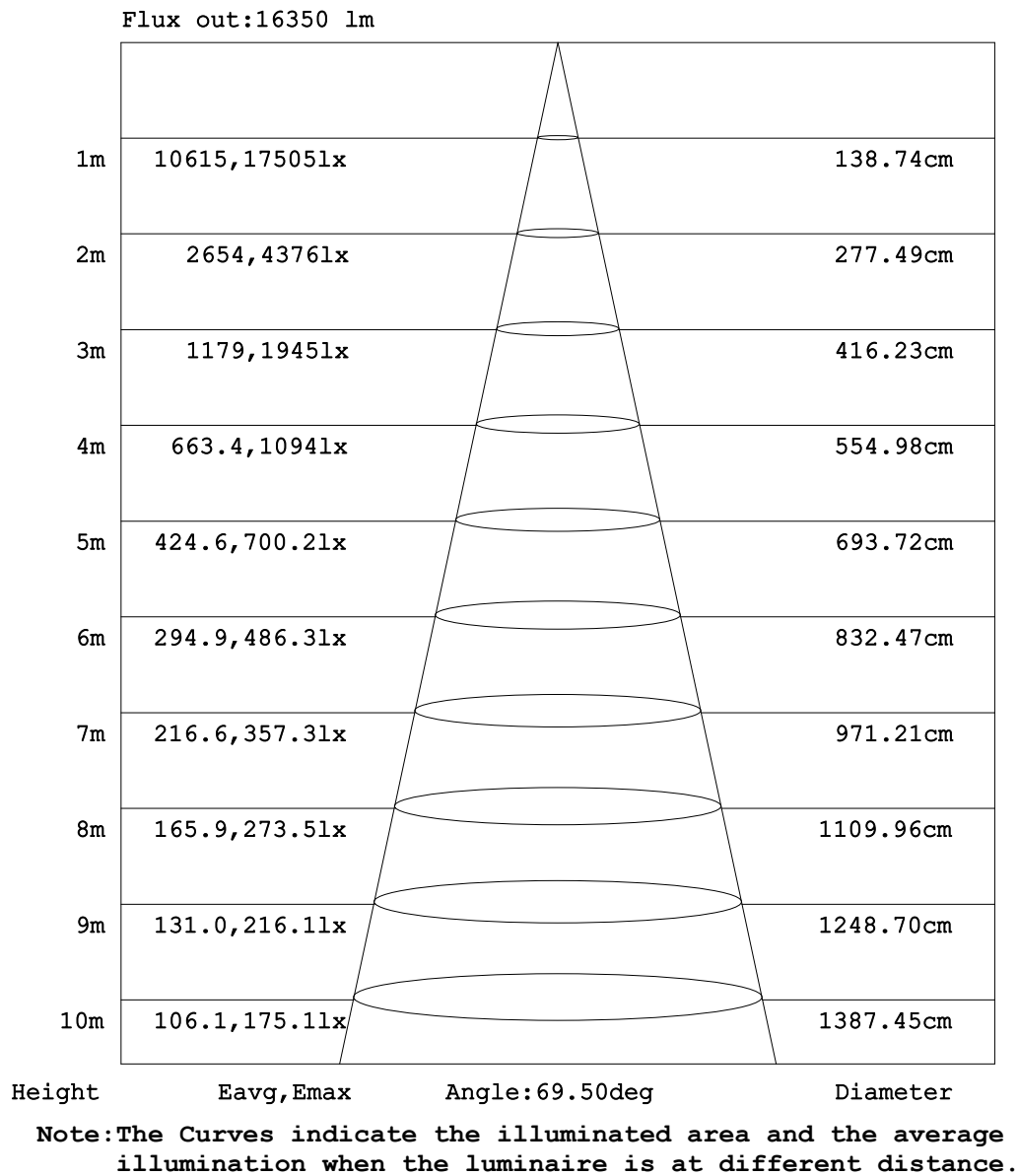
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-05-15

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:

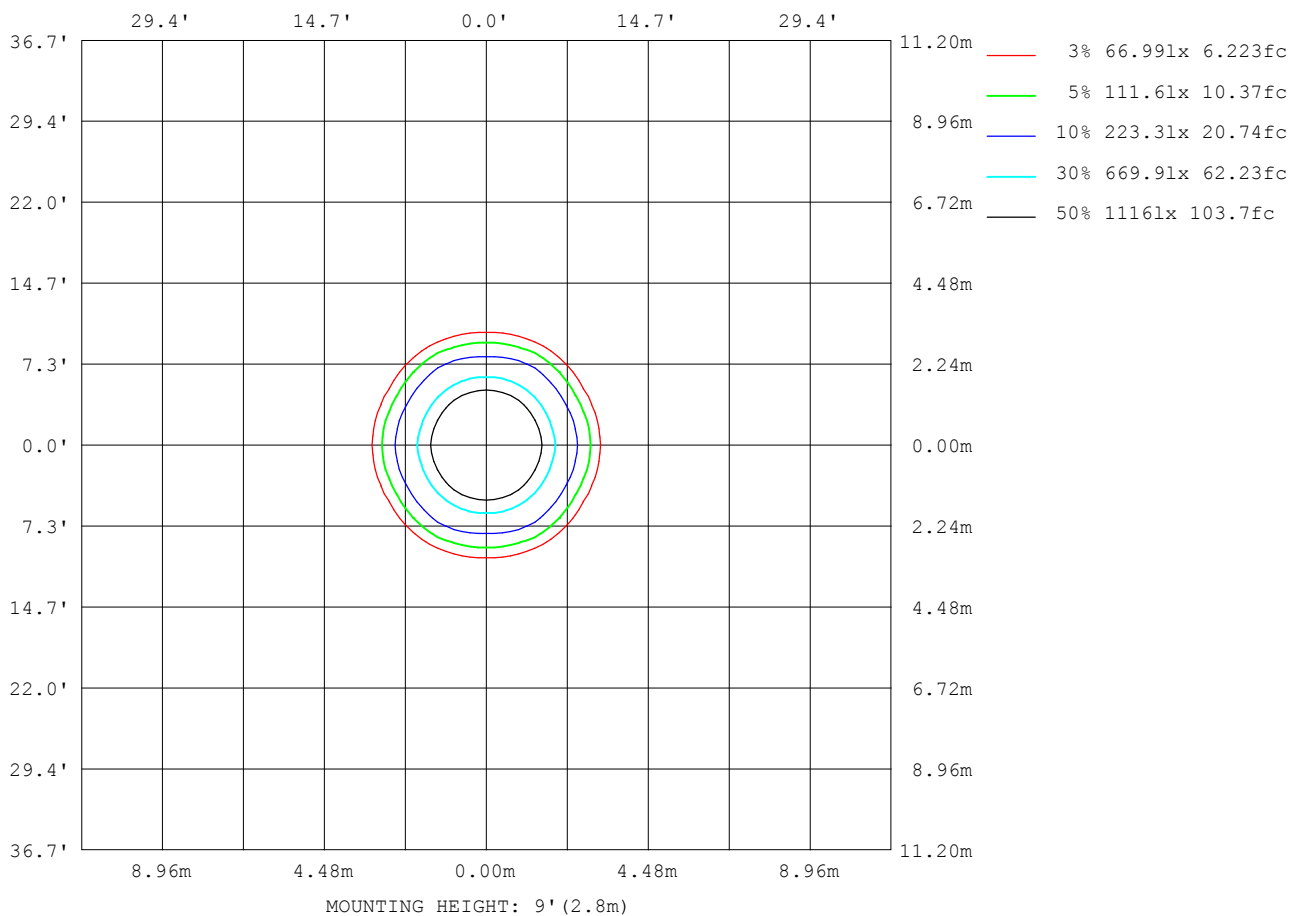
AAI Figure



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-05-15

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



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-05-15

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:230.3V I:0.6576A P:149.1W PF:0.9844 Freq:49.99Hz Lamp Flux:21766.3x1 lm		
NAME: H29SPC-15-R280-70-40H-2523030R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

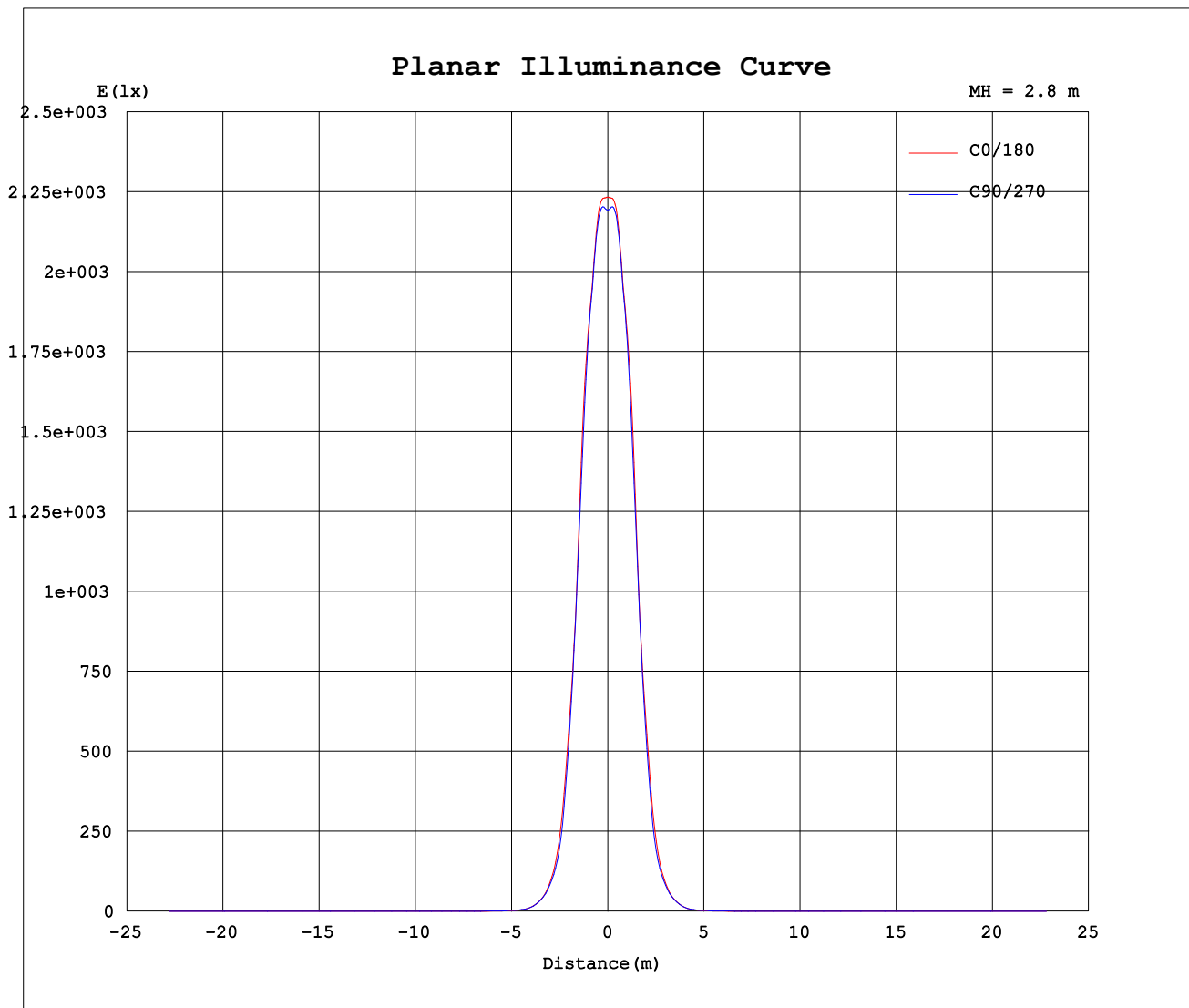
AvgL	cd/m2
L_0~180 (65) av	4211
L_0~180 (75) av	2671
L_0~180 (85) av	418
L_90~270 (65) av	4753
L_90~270 (75) av	2963
L_90~270 (85) av	214
L_45 (65) av	4664
L_45 (75) av	2909
L_45 (85) av	336

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-05-15

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: 2020-05-15

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

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	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724	1724
5	1741	1741	1744	1746	1749	1751	1751	1751	1749	1746	1744	1741	1741	1741	1744	1746	1749	1751	1751
10	1760	1765	1770	1766	1766	1772	1775	1772	1766	1766	1770	1765	1760	1765	1770	1766	1766	1772	1775
15	1714	1722	1731	1723	1721	1732	1731	1732	1721	1723	1731	1722	1714	1722	1731	1723	1721	1732	1731
20	1681	1670	1669	1678	1680	1684	1685	1684	1680	1678	1669	1670	1681	1670	1669	1678	1680	1684	1685
25	1552	1515	1496	1527	1542	1524	1504	1524	1542	1527	1496	1515	1552	1515	1496	1527	1542	1524	1504
30	1192	1178	1164	1193	1194	1182	1198	1182	1194	1193	1164	1178	1192	1178	1164	1193	1194	1182	1198
35	870	841	839	849	863	865	830	865	863	849	839	841	870	841	839	849	863	865	830
40	540	518	493	508	555	512	480	512	555	508	493	518	540	518	493	508	555	512	480
45	282	272	257	271	283	265	259	265	283	271	257	272	282	272	257	271	283	265	259
50	137	137	134	137	139	134	135	134	139	137	134	137	137	137	134	137	139	134	135
55	54.0	54.1	54.9	53.6	52.6	52.2	54.5	52.2	52.6	53.6	54.9	54.1	54.0	54.1	54.9	53.6	52.6	52.2	54.5
60	19.8	20.7	21.1	21.6	21.1	21.0	21.7	21.0	21.1	21.6	21.1	20.7	19.8	20.7	21.1	21.6	21.1	21.0	21.7
65	11.0	11.8	12.1	12.2	12.2	12.3	12.5	12.3	12.2	12.2	12.1	11.8	11.0	11.8	12.1	12.2	12.2	12.3	12.5
70	7.11	7.57	7.77	7.85	7.89	7.91	7.97	7.91	7.89	7.85	7.77	7.57	7.11	7.57	7.77	7.85	7.89	7.91	7.97
75	4.29	4.52	4.62	4.67	4.69	4.71	4.75	4.71	4.69	4.67	4.62	4.52	4.29	4.52	4.62	4.67	4.69	4.71	4.75
80	1.85	1.93	1.95	1.95	1.94	1.92	1.90	1.92	1.94	1.95	1.95	1.93	1.85	1.93	1.95	1.95	1.94	1.92	1.90
85	0.23	0.23	0.21	0.18	0.15	0.13	0.12	0.13	0.15	0.18	0.21	0.23	0.23	0.23	0.21	0.18	0.15	0.13	0.12
90	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
95	0.22	0.21	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.21	0.22	0.21	0.20	0.21	0.21	0.21	0.21
100	0.41	0.38	0.37	0.38	0.39	0.38	0.36	0.38	0.39	0.38	0.37	0.38	0.41	0.38	0.37	0.38	0.39	0.38	0.36
105	0.70	0.66	0.66	0.67	0.67	0.67	0.66	0.67	0.67	0.67	0.66	0.66	0.70	0.66	0.66	0.67	0.67	0.67	0.66
110	1.11	1.07	1.07	1.07	1.07	1.07	1.06	1.07	1.07	1.07	1.07	1.07	1.11	1.07	1.07	1.07	1.07	1.07	1.06
115	1.67	1.61	1.61	1.62	1.62	1.62	1.61	1.62	1.62	1.62	1.61	1.61	1.67	1.61	1.61	1.62	1.62	1.62	1.61
120	2.30	2.27	2.28	2.27	2.27	2.28	2.28	2.28	2.27	2.27	2.28	2.27	2.30	2.27	2.28	2.27	2.27	2.28	2.28
125	3.06	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.06	3.03	3.03	3.03	3.03	3.03	3.03
130	3.95	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.95	3.92	3.92	3.92	3.92	3.92	3.92
135	4.94	4.91	4.90	4.91	4.91	4.91	4.91	4.91	4.91	4.91	4.90	4.91	4.94	4.91	4.90	4.91	4.91	4.91	4.91
140	5.99	5.95	5.95	5.95	5.94	5.95	5.94	5.95	5.94	5.95	5.95	5.95	5.99	5.95	5.95	5.95	5.94	5.95	5.94
145	7.06	7.02	7.02	7.02	7.01	7.01	7.01	7.01	7.01	7.02	7.02	7.02	7.06	7.02	7.02	7.02	7.01	7.01	7.01
150	8.08	8.06	8.06	8.04	8.03	8.04	8.03	8.04	8.03	8.04	8.06	8.06	8.08	8.06	8.06	8.04	8.03	8.04	8.03
155	8.99	8.98	8.97	8.95	8.94	8.94	8.94	8.94	8.94	8.95	8.97	8.98	8.99	8.98	8.97	8.95	8.94	8.94	8.94
160	9.88	9.86	9.87	9.84	9.83	9.83	9.85	9.83	9.83	9.84	9.87	9.86	9.88	9.86	9.87	9.84	9.83	9.83	9.85
165	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
170	11.5	11.5	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.4	11.4	11.4	11.4
175	12.1	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.1	12.0	12.0	12.0	12.0	12.0	12.0
180	12.4	12.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.3	12.3	12.3	12.3	12.3

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-05-15

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

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1724	1724	1724	1724	1724														
5	1751	1749	1746	1744	1741														
10	1772	1766	1766	1770	1765														
15	1732	1721	1723	1731	1722														
20	1684	1680	1678	1669	1670														
25	1524	1542	1527	1496	1515														
30	1182	1194	1193	1164	1178														
35	865	863	849	839	841														
40	512	555	508	493	518														
45	265	283	271	257	272														
50	134	139	137	134	137														
55	52.2	52.6	53.6	54.9	54.1														
60	21.0	21.1	21.6	21.1	20.7														
65	12.3	12.2	12.2	12.1	11.8														
70	7.91	7.89	7.85	7.77	7.57														
75	4.71	4.69	4.67	4.62	4.52														
80	1.92	1.94	1.95	1.95	1.93														
85	0.13	0.15	0.18	0.21	0.23														
90	0.12	0.12	0.12	0.12	0.12														
95	0.21	0.21	0.21	0.20	0.21														
100	0.38	0.39	0.38	0.37	0.38														
105	0.67	0.67	0.67	0.66	0.66														
110	1.07	1.07	1.07	1.07	1.07														
115	1.62	1.62	1.62	1.61	1.61														
120	2.28	2.27	2.27	2.28	2.27														
125	3.03	3.03	3.03	3.03	3.03														
130	3.92	3.92	3.92	3.92	3.92														
135	4.91	4.91	4.91	4.90	4.91														
140	5.95	5.94	5.95	5.95	5.95														
145	7.01	7.01	7.02	7.02	7.02														
150	8.04	8.03	8.04	8.06	8.06														
155	8.94	8.94	8.95	8.97	8.98														
160	9.83	9.83	9.84	9.87	9.86														
165	10.7	10.7	10.7	10.7	10.7														
170	11.4	11.4	11.4	11.5	11.5														
175	12.0	12.0	12.0	12.0	12.0														
180	12.3	12.3	12.3	12.3	12.4														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-05-15

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	17239	17239	17239	17239	17239	17239	17239	17239	17239	17239
3.0	17299	17296	17309	17321	17336	17350	17352	17350	17336	17321
6.0	17473	17480	17510	17527	17556	17583	17587	17583	17556	17527
9.0	17605	17637	17686	17658	17662	17713	17744	17713	17662	17658
12.0	17491	17574	17647	17567	17545	17630	17672	17630	17545	17567
15.0	17140	17220	17311	17226	17214	17319	17314	17319	17214	17226
18.0	16904	16913	16966	16956	16944	17038	17070	17038	16944	16956
21.0	16718	16545	16511	16647	16686	16701	16670	16701	16686	16647
24.0	15999	15644	15478	15762	15900	15762	15573	15762	15900	15762
27.0	14237	13930	13726	14047	14143	13955	13928	13955	14143	14047
30.0	11918	11779	11636	11929	11935	11822	11983	11822	11935	11929
33.0	9897	9700	9654	9825	9871	9894	9795	9894	9871	9825
36.0	8077	7776	7713	7797	8027	7994	7562	7994	8027	7797
39.0	6086	5837	5584	5741	6218	5857	5485	5857	6218	5741
42.0	4166	4034	3730	3907	4215	3837	3642	3837	4215	3907
45.0	2818	2722	2574	2713	2834	2654	2593	2654	2834	2713
48.0	1881	1836	1747	1855	1938	1823	1785	1823	1938	1855
51.0	1180	1174	1167	1181	1151	1132	1164	1132	1151	1181
54.0	693.3	666.3	664.3	666.7	656.2	629.8	652.9	629.8	656.2	666.7
57.0	321.1	353.1	357.4	351.9	344.1	342.4	353.1	342.4	344.1	351.9
60.0	197.7	206.7	211.1	215.7	210.8	209.6	217.2	209.6	210.8	215.7
63.0	135.0	142.6	145.9	148.6	148.5	148.2	149.8	148.2	148.5	148.6
66.0	100.5	107.5	110.6	111.5	111.7	112.4	113.8	112.4	111.7	111.5
69.0	77.41	82.47	84.55	85.45	85.88	86.13	86.75	86.13	85.88	85.45
72.0	59.29	63.07	64.70	65.32	65.54	65.77	66.18	65.77	65.54	65.32
75.0	42.85	45.23	46.20	46.67	46.92	47.08	47.54	47.08	46.92	46.67
78.0	27.72	29.02	29.63	29.68	29.63	29.92	30.01	29.92	29.63	29.68
81.0	14.47	14.97	15.01	14.89	14.72	14.32	14.18	14.32	14.72	14.89
84.0	4.360	4.431	4.255	3.904	3.492	3.167	3.126	3.167	3.492	3.904
87.0	0.9616	0.9360	0.9377	0.9376	0.9321	0.9448	0.9633	0.9448	0.9321	0.9376
90.0	1.233	1.214	1.196	1.206	1.203	1.222	1.205	1.222	1.203	1.206
93.0	1.716	1.673	1.632	1.671	1.680	1.692	1.666	1.692	1.680	1.671
96.0	2.454	2.383	2.294	2.351	2.385	2.363	2.299	2.363	2.385	2.351
99.0	3.611	3.412	3.274	3.347	3.428	3.353	3.231	3.353	3.428	3.347
102.0	5.161	4.757	4.657	4.814	4.954	4.851	4.667	4.851	4.954	4.814
105.0	7.003	6.614	6.568	6.699	6.744	6.714	6.558	6.714	6.744	6.699
108.0	9.242	8.968	8.918	8.948	8.915	8.937	8.909	8.937	8.915	8.948
111.0	12.10	11.66	11.59	11.65	11.66	11.70	11.57	11.70	11.66	11.65
114.0	15.47	14.90	14.84	14.95	14.98	15.00	14.94	15.00	14.98	14.95
117.0	19.12	18.66	18.66	18.71	18.71	18.73	18.66	18.73	18.71	18.71
120.0	23.03	22.71	22.77	22.75	22.74	22.77	22.76	22.77	22.74	22.75
123.0	27.38	27.06	27.14	27.10	27.09	27.15	27.17	27.15	27.09	27.10
126.0	32.27	31.96	31.99	31.95	31.94	31.98	31.98	31.98	31.94	31.95
129.0	37.62	37.32	37.29	37.30	37.29	37.31	37.33	37.31	37.29	37.30
132.0	43.38	43.07	43.03	43.06	43.07	43.06	43.03	43.06	43.07	43.06
135.0	49.39	49.09	49.04	49.09	49.09	49.14	49.09	49.14	49.09	49.09
138.0	55.65	55.31	55.25	55.30	55.27	55.33	55.25	55.33	55.27	55.30
141.0	62.01	61.66	61.59	61.62	61.58	61.61	61.51	61.61	61.58	61.62
144.0	68.45	68.06	68.03	68.06	68.02	67.95	67.94	67.95	68.02	68.06
147.0	74.74	74.41	74.42	74.34	74.27	74.26	74.26	74.26	74.27	74.34
150.0	80.84	80.56	80.55	80.38	80.32	80.36	80.32	80.36	80.32	80.38
153.0	86.39	86.20	86.13	85.91	85.86	85.90	85.87	85.90	85.86	85.91
156.0	91.70	91.54	91.50	91.31	91.19	91.19	91.24	91.19	91.19	91.31
159.0	97.04	96.87	96.97	96.65	96.49	96.55	96.66	96.55	96.49	96.65
162.0	102.4	102.3	102.3	101.9	101.8	102.1	101.9	101.8	101.9	101.9
165.0	107.2	107.2	107.0	106.7	106.7	106.7	106.9	106.7	106.7	106.7
168.0	111.9	111.9	111.8	111.5	111.4	111.4	111.5	111.4	111.5	111.5
171.0	115.7	115.7	115.6	115.5	115.3	115.3	115.4	115.3	115.5	115.5
174.0	119.4	119.2	119.1	119.0	118.9	118.9	119.0	118.9	119.0	119.0
177.0	121.9	121.8	121.6	121.5	121.3	121.2	121.2	121.2	121.3	121.5
180.0	123.6	123.8	123.5	123.2	123.0	122.9	122.7	122.9	123.0	123.2
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	17239	17239	17239	17239	17239	17239	17239	17239	17239	17239
3.0	17309	17296	17299	17296	17309	17321	17336	17350	17352	17350
6.0	17510	17480	17473	17480	17510	17527	17556	17583	17587	17583
9.0	17686	17637	17605	17637	17686	17658	17662	17713	17744	17713
12.0	17647	17574	17491	17574	17647	17567	17545	17630	17672	17630
15.0	17311	17220	17140	17220	17311	17226	17214	17319	17314	17319
18.0	16966	16913	16904	16913	16966	16956	16944	17038	17070	17038
21.0	16511	16545	16718	16545	16511	16647	16686	16701	16670	16701
24.0	15478	15644	15999	15478	15762	15900	15762	15573	15762	15900
27.0	13726	13930	14237	13726	14047	14143	13955	13928	13955	14143
30.0	11636	11779	11918	11779	11636	11929	11935	11822	11983	11822

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-05-15

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	9654	9700	9897	9700	9654	9825	9871	9894	9795	9894
36.0	7713	7776	8077	7776	7713	7797	8027	7994	7562	7994
39.0	5584	5837	6086	5837	5584	5741	6218	5857	5485	5857
42.0	3730	4034	4166	4034	3730	3907	4215	3837	3642	3837
45.0	2574	2722	2818	2722	2574	2713	2834	2654	2593	2654
48.0	1747	1836	1881	1836	1747	1855	1938	1823	1785	1823
51.0	1167	1174	1180	1174	1167	1181	1151	1132	1164	1132
54.0	664.3	666.3	693.3	666.3	664.3	666.7	656.2	629.8	652.9	629.8
57.0	357.4	353.1	321.1	353.1	357.4	351.9	344.1	342.4	353.1	342.4
60.0	211.1	206.7	197.7	206.7	211.1	215.7	210.8	209.6	217.2	209.6
63.0	145.9	142.6	135.0	142.6	145.9	148.6	148.5	148.2	149.8	148.2
66.0	110.6	107.5	100.5	107.5	110.6	111.5	111.7	112.4	113.8	112.4
69.0	84.55	82.47	77.41	82.47	84.55	85.45	85.88	86.13	86.75	86.13
72.0	64.70	63.07	59.29	63.07	64.70	65.32	65.54	65.77	66.18	65.77
75.0	46.20	45.23	42.85	45.23	46.20	46.67	46.92	47.08	47.54	47.08
78.0	29.63	29.02	27.72	29.02	29.63	29.68	29.63	29.92	30.01	29.92
81.0	15.01	14.97	14.47	14.97	15.01	14.89	14.72	14.32	14.18	14.32
84.0	4.255	4.431	4.360	4.431	4.255	3.904	3.492	3.167	3.126	3.167
87.0	0.9377	0.9360	0.9616	0.9360	0.9377	0.9376	0.9321	0.9448	0.9633	0.9448
90.0	1.196	1.214	1.233	1.214	1.196	1.206	1.203	1.222	1.205	1.222
93.0	1.632	1.673	1.716	1.673	1.632	1.671	1.680	1.692	1.666	1.692
96.0	2.294	2.383	2.454	2.383	2.294	2.351	2.385	2.363	2.299	2.363
99.0	3.274	3.412	3.611	3.412	3.274	3.347	3.428	3.353	3.231	3.353
102.0	4.657	4.757	5.161	4.757	4.657	4.814	4.954	4.851	4.667	4.851
105.0	6.568	6.614	7.003	6.614	6.568	6.699	6.744	6.714	6.558	6.714
108.0	8.918	8.968	9.242	8.968	8.918	8.948	8.915	8.937	8.909	8.937
111.0	11.59	11.66	12.10	11.66	11.59	11.65	11.66	11.70	11.57	11.70
114.0	14.84	14.90	15.47	14.90	14.84	14.95	14.98	15.00	14.94	15.00
117.0	18.66	18.66	19.12	18.66	18.66	18.71	18.71	18.73	18.66	18.73
120.0	22.77	22.71	23.03	22.71	22.77	22.75	22.74	22.77	22.76	22.77
123.0	27.14	27.06	27.38	27.06	27.14	27.10	27.09	27.15	27.17	27.15
126.0	31.99	31.96	32.27	31.96	31.99	31.95	31.94	31.98	31.98	31.98
129.0	37.29	37.32	37.62	37.32	37.29	37.30	37.29	37.31	37.33	37.31
132.0	43.03	43.07	43.38	43.07	43.03	43.06	43.07	43.06	43.03	43.06
135.0	49.04	49.09	49.39	49.09	49.04	49.09	49.09	49.14	49.09	49.14
138.0	55.25	55.31	55.65	55.31	55.25	55.30	55.27	55.33	55.25	55.33
141.0	61.59	61.66	62.01	61.66	61.59	61.62	61.58	61.61	61.51	61.61
144.0	68.03	68.06	68.45	68.06	68.03	68.06	68.02	67.95	67.94	67.95
147.0	74.42	74.41	74.74	74.41	74.42	74.34	74.26	74.26	74.27	74.26
150.0	80.55	80.56	80.84	80.56	80.55	80.38	80.32	80.36	80.32	80.36
153.0	86.13	86.20	86.39	86.20	86.13	85.91	85.86	85.90	85.87	85.90
156.0	91.50	91.54	91.70	91.54	91.50	91.31	91.19	91.19	91.24	91.19
159.0	96.97	96.87	97.04	96.87	96.97	96.65	96.49	96.55	96.66	96.55
162.0	102.3	102.3	102.4	102.3	101.9	101.8	101.8	101.9	102.1	101.9
165.0	107.0	107.2	107.2	107.2	107.0	106.7	106.7	106.7	106.9	106.7
168.0	111.8	111.9	111.9	111.9	111.8	111.5	111.4	111.4	111.5	111.4
171.0	115.6	115.7	115.7	115.7	115.6	115.5	115.3	115.3	115.4	115.3
174.0	119.1	119.2	119.4	119.2	119.1	119.0	118.9	118.9	119.0	118.9
177.0	121.6	121.8	121.9	121.8	121.6	121.5	121.3	121.2	121.2	121.2
180.0	123.5	123.8	123.6	123.8	123.5	123.2	123.0	122.9	122.7	122.9
G/C	300.0	315.0	330.0	345.0						
0.0	17239	17239	17239	17239						
3.0	17336	17321	17309	17296						
6.0	17556	17527	17510	17480						
9.0	17662	17658	17686	17637						
12.0	17545	17567	17647	17574						
15.0	17214	17226	17311	17220						
18.0	16944	16956	16966	16913						
21.0	16686	16647	16511	16545						
24.0	15900	15762	15478	15644						
27.0	14143	14047	13726	13930						
30.0	11935	11929	11636	11779						
33.0	9871	9825	9654	9700						
36.0	8027	7797	7713	7776						
39.0	6218	5741	5584	5837						
42.0	4215	3907	3730	4034						
45.0	2834	2713	2574	2722						
48.0	1938	1855	1747	1836						
51.0	1151	1181	1167	1174						
54.0	656.2	666.7	664.3	666.3						
57.0	344.1	351.9	357.4	353.1						
60.0	210.8	215.7	211.1	206.7						
63.0	148.5	148.6	145.9	142.6						
66.0	111.7	111.5	110.6	107.5						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-05-15

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	85.88	85.45	84.55	82.47
72.0	65.54	65.32	64.70	63.07
75.0	46.92	46.67	46.20	45.23
78.0	29.63	29.68	29.63	29.02
81.0	14.72	14.89	15.01	14.97
84.0	3.492	3.904	4.255	4.431
87.0	0.9321	0.9376	0.9377	0.9360
90.0	1.203	1.206	1.196	1.214
93.0	1.680	1.671	1.632	1.673
96.0	2.385	2.351	2.294	2.383
99.0	3.428	3.347	3.274	3.412
102.0	4.954	4.814	4.657	4.757
105.0	6.744	6.699	6.568	6.614
108.0	8.915	8.948	8.918	8.968
111.0	11.66	11.65	11.59	11.66
114.0	14.98	14.95	14.84	14.90
117.0	18.71	18.71	18.66	18.66
120.0	22.74	22.75	22.77	22.71
123.0	27.09	27.10	27.14	27.06
126.0	31.94	31.95	31.99	31.96
129.0	37.29	37.30	37.29	37.32
132.0	43.07	43.06	43.03	43.07
135.0	49.09	49.09	49.04	49.09
138.0	55.27	55.30	55.25	55.31
141.0	61.58	61.62	61.59	61.66
144.0	68.02	68.06	68.03	68.06
147.0	74.27	74.34	74.42	74.41
150.0	80.32	80.38	80.55	80.56
153.0	85.86	85.91	86.13	86.20
156.0	91.19	91.31	91.50	91.54
159.0	96.49	96.65	96.97	96.87
162.0	101.8	101.9	102.3	102.3
165.0	106.7	106.7	107.0	107.2
168.0	111.4	111.5	111.8	111.9
171.0	115.3	115.5	115.6	115.7
174.0	118.9	119.0	119.1	119.2
177.0	121.3	121.5	121.6	121.8
180.0	123.0	123.2	123.5	123.8

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-05-15

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: