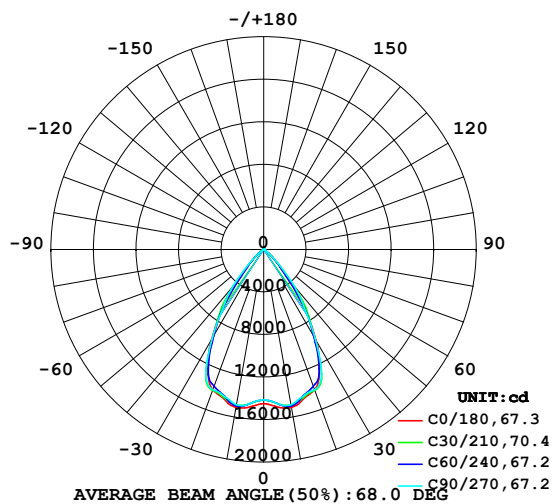


LUMINAIRE PHOTOMETRIC TEST REPORT

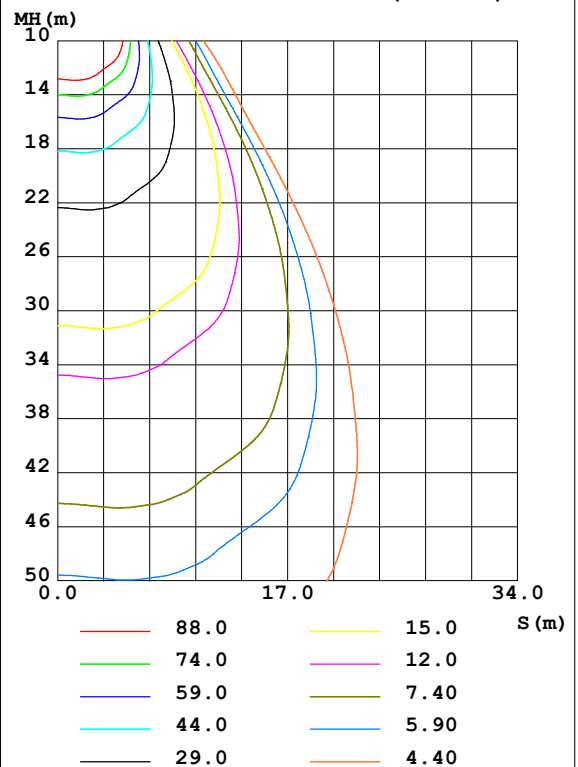
Test:U:230.3V I:0.6635A P:150.5W PF:0.9849 Freq:49.99Hz Lamp Flux:17585.3x1 lm		
NAME: H29APC-15-R280-70-40H-2523030R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.83 lm/W			
MODEL		I _{max} (cd)	15097	S/MH (C0/180)	0.99
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.00
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	17585	η UP, DN (C0-180)	0.5, 49.5
NOMINAL FLUX (lm)	17585.3	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: 2020-06-17

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	1509	1495	1483	1495	1509	1495	1483	1495	0- 10	1404	1404	7.98,7.98
20	1403	1391	1404	1391	1403	1391	1404	1391	10- 20	4062	5465	31.1,31.1
30	985.0	956.1	969.6	956.1	985.0	956.1	969.6	956.1	20- 30	5640	11105	63.2,63.2
40	343.4	383.3	445.4	383.3	343.4	383.3	445.4	383.3	30- 40	4192	15297	87,87
50	95.07	95.05	95.76	95.05	95.07	95.05	95.76	95.05	40- 50	1613	16910	96.2,96.2
60	12.41	13.09	12.90	13.09	12.41	13.09	12.90	13.09	50- 60	357.8	17268	98.2,98.2
70	5.986	5.899	5.894	5.899	5.986	5.899	5.894	5.899	60- 70	83.94	17352	98.7,98.7
80	2.628	2.643	2.595	2.643	2.628	2.643	2.595	2.643	70- 80	45.49	17397	98.9,98.9
90	0.0929	0.0853	0.0855	0.0853	0.0929	0.0853	0.0855	0.0853	80- 90	11.60	17409	99,99
100	0.2749	0.2757	0.2950	0.2757	0.2749	0.2757	0.2950	0.2757	90-100	1.769	17411	99,99
110	0.8535	0.8400	0.8457	0.8400	0.8535	0.8400	0.8457	0.8400	100-110	5.602	17416	99,99
120	1.842	1.837	1.831	1.837	1.842	1.837	1.831	1.837	110-120	12.94	17429	99.1,99.1
130	3.217	3.167	3.169	3.167	3.217	3.167	3.169	3.167	120-130	21.99	17451	99.2,99.2
140	4.925	4.824	4.825	4.824	4.925	4.824	4.825	4.824	130-140	30.72	17482	99.4,99.4
150	6.715	6.550	6.547	6.550	6.715	6.550	6.547	6.550	140-150	35.67	17518	99.6,99.6
160	8.254	8.036	8.006	8.036	8.254	8.036	8.006	8.036	150-160	33.69	17551	99.8,99.8
170	9.583	9.346	9.333	9.346	9.583	9.346	9.333	9.346	160-170	24.60	17576	99.9,99.9
180	10.24	10.04	10.06	10.04	10.24	10.04	10.06	10.04	170-180	9.229	17585	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 16332 lm

%lum = 92.9%

%lamp = 92.9%

Conical surface Flux(120deg): 17268 lm

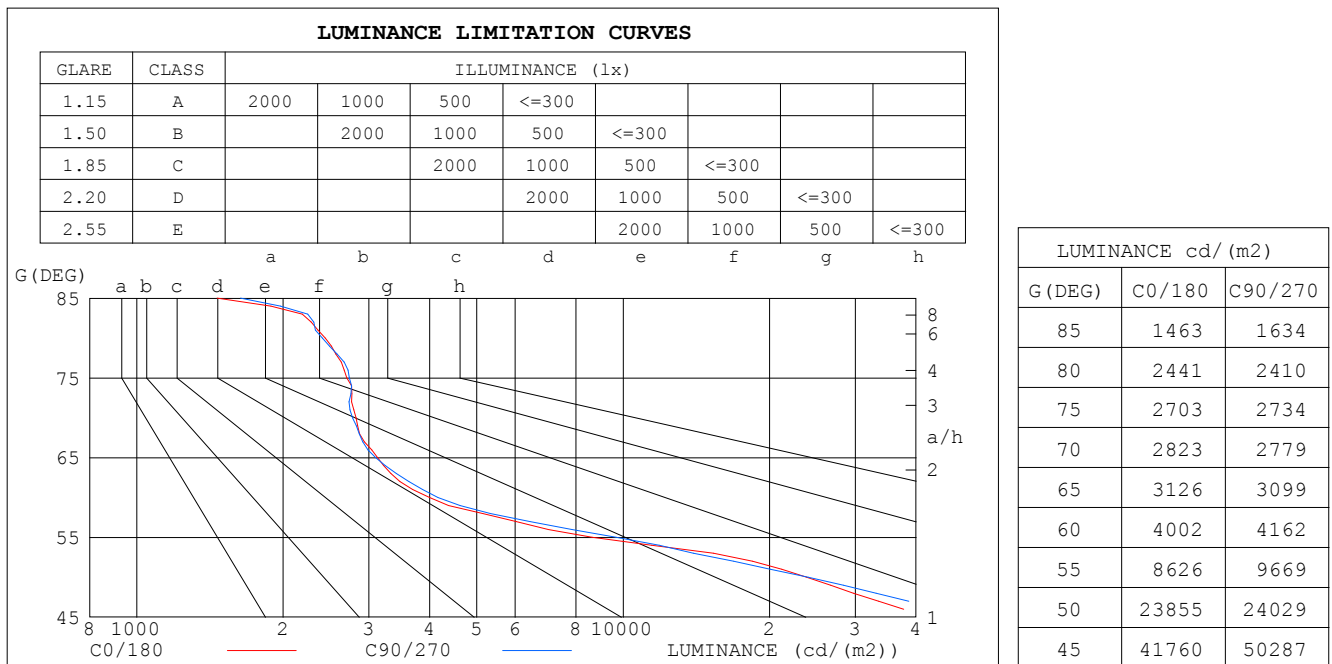
%lum = 98.2%

%lamp = 98.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-06-17

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

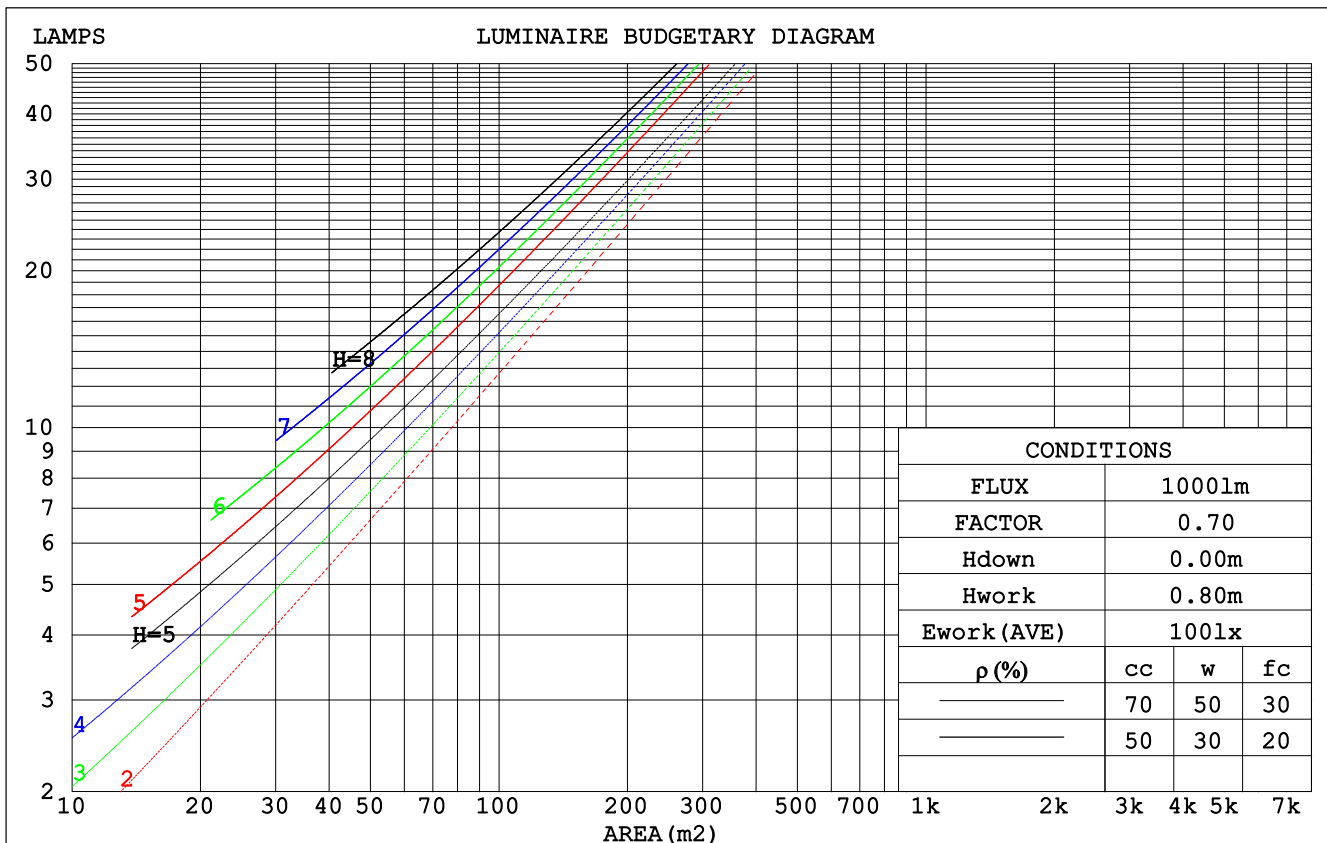


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-06-17

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
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	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	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.02	.97	.94	.00	.96	.93	.96	.93	.90	.93	.91	.88	.90	.88	.86	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78
4.0	.87	.81	.77	.86	.81	.76	.84	.79	.75	.82	.78	.74	.80	.76	.73	.72
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66
6.0	.76	.69	.65	.75	.69	.64	.73	.68	.64	.72	.67	.63	.70	.66	.63	.61
7.0	.71	.64	.60	.70	.64	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.57
8.0	.66	.60	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.54	.53
9.0	.62	.56	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.51	.49
10.0	.58	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.48	.55	.51	.47	.46



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-17

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	.189	.108	.034	.182	.104	.033	.169	.097	.031	.157	.090	.029	.145	.084	.027	
2.0	.182	.100	.031	.176	.097	.030	.165	.092	.028	.155	.087	.027	.145	.082	.026	
3.0	.174	.093	.028	.169	.090	.027	.159	.086	.026	.150	.082	.025	.142	.079	.024	
4.0	.166	.086	.025	.162	.085	.025	.153	.081	.024	.145	.078	.024	.138	.075	.023	
5.0	.158	.081	.023	.155	.079	.023	.147	.077	.023	.140	.074	.022	.134	.071	.021	
6.0	.151	.076	.022	.148	.075	.021	.141	.072	.021	.135	.070	.021	.129	.068	.020	
7.0	.145	.071	.020	.141	.070	.020	.136	.069	.020	.130	.067	.019	.125	.065	.019	
8.0	.138	.068	.019	.135	.067	.019	.130	.065	.019	.125	.063	.018	.121	.062	.018	
9.0	.132	.064	.018	.130	.063	.018	.125	.062	.018	.121	.060	.017	.116	.059	.017	
10.0	.127	.061	.017	.125	.060	.017	.120	.059	.017	.116	.058	.016	.112	.056	.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	.152	.154	.142	.130	.105	.097	.090	.061	.056	.052	.019	.018	.017	
2.0	.165	.140	.119	.142	.121	.103	.097	.083	.072	.056	.049	.042	.018	.016	.014	
3.0	.154	.121	.096	.132	.105	.083	.091	.073	.058	.052	.043	.034	.017	.014	.011	
4.0	.144	.107	.079	.124	.092	.068	.085	.064	.048	.049	.038	.028	.016	.012	.009	
5.0	.136	.096	.066	.117	.083	.057	.080	.058	.040	.047	.034	.024	.015	.011	.008	
6.0	.129	.086	.056	.111	.075	.049	.076	.052	.034	.044	.031	.021	.014	.010	.007	
7.0	.123	.079	.049	.106	.069	.042	.073	.048	.030	.042	.028	.018	.014	.009	.006	
8.0	.117	.073	.043	.101	.063	.037	.070	.044	.026	.041	.026	.016	.013	.009	.005	
9.0	.112	.068	.038	.097	.059	.033	.067	.041	.024	.039	.024	.014	.013	.008	.005	
10.0	.108	.064	.034	.093	.055	.030	.064	.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:2020-06-17

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	11.8	12.9	12.1	13.1	13.2	11.7	12.7	11.9	12.9	13.1
3H	11.7	12.6	12.0	12.8	13.1	11.5	12.5	11.8	12.7	12.9
4H	11.6	12.5	11.9	12.7	13.0	11.4	12.3	11.7	12.6	12.8
6H	11.5	12.3	11.8	12.6	12.9	11.4	12.2	11.7	12.5	12.7
8H	11.5	12.3	11.8	12.5	12.8	11.3	12.1	11.7	12.4	12.7
12H	11.4	12.2	11.8	12.5	12.8	11.3	12.0	11.6	12.3	12.6
4H 2H	11.6	12.5	11.9	12.7	13.0	11.4	12.3	11.7	12.6	12.8
3H	11.4	12.2	11.8	12.5	12.8	11.3	12.0	11.6	12.3	12.6
4H	11.4	12.0	11.7	12.4	12.7	11.2	11.9	11.6	12.2	12.5
6H	11.3	11.9	11.7	12.2	12.6	11.1	11.7	11.5	12.1	12.4
8H	11.2	11.8	11.6	12.2	12.5	11.1	11.6	11.5	12.0	12.4
12H	11.2	11.7	11.6	12.1	12.5	11.0	11.5	11.5	11.9	12.3
8H 4H	11.2	11.8	11.6	12.1	12.5	11.1	11.6	11.5	12.0	12.4
6H	11.1	11.6	11.6	12.0	12.4	11.0	11.4	11.4	11.9	12.3
8H	11.1	11.5	11.6	11.9	12.4	11.0	11.3	11.4	11.8	12.2
12H	11.1	11.4	11.5	11.9	12.3	10.9	11.2	11.4	11.7	12.2
12H 4H	11.2	11.7	11.6	12.1	12.5	11.0	11.5	11.4	11.9	12.3
6H	11.1	11.5	11.6	11.9	12.4	10.9	11.3	11.4	11.8	12.2
8H	11.1	11.4	11.5	11.9	12.3	10.9	11.2	11.4	11.7	12.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -10.0					+ 3.2 / - 9.7				
1.5H	+ 4.2 / - 8.6					+ 4.7 / - 8.5				
2.0H	+ 5.9 / - 7.2					+ 6.4 / - 7.6				

CIE Pub.117, 17585 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.0)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-17

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:

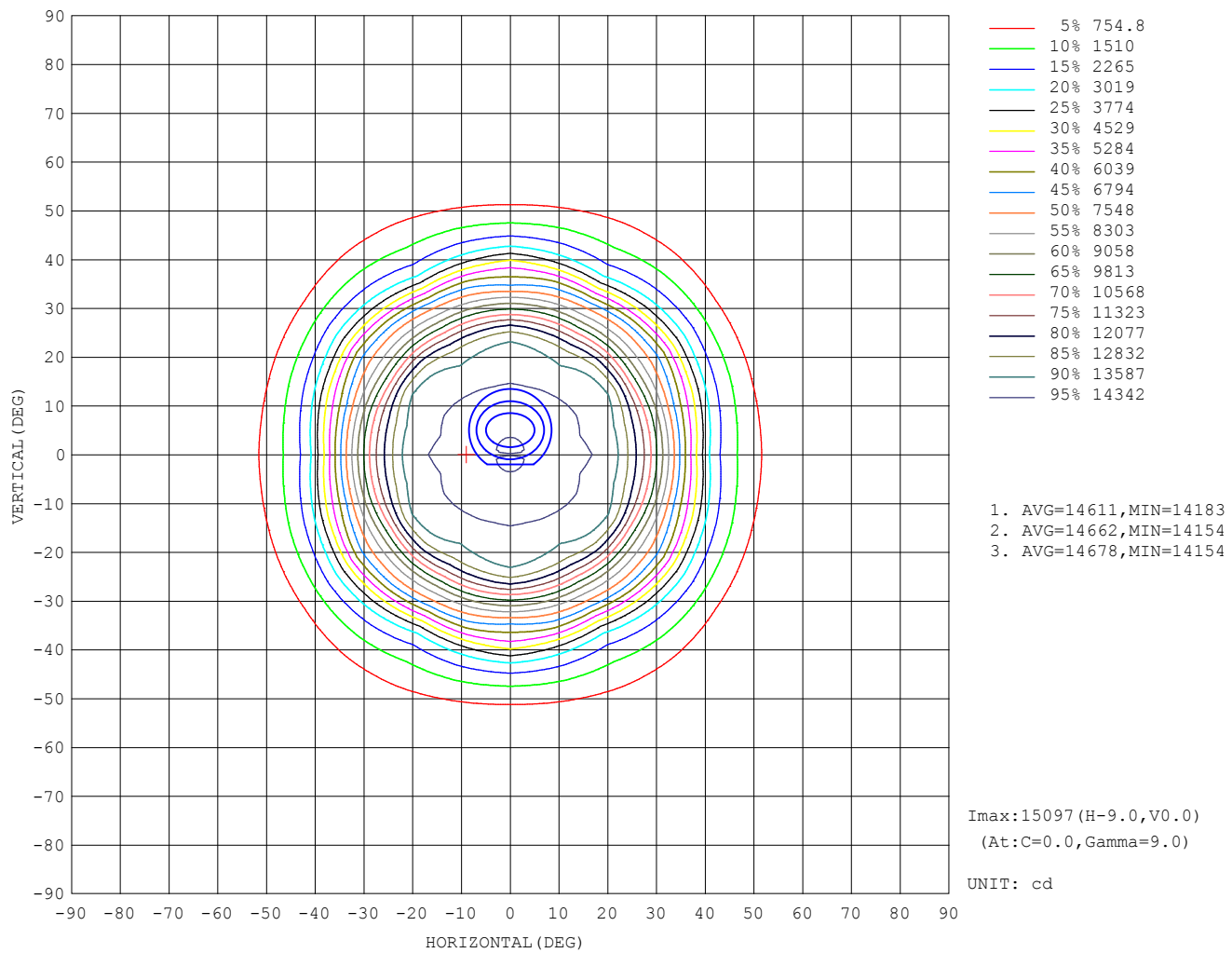
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	82	76	72	68
0.80	91	85	81	91	84	81	89	84	80	76
1.00	97	90	86	96	90	86	94	90	86	81
1.25	101	95	92	100	95	91	98	93	90	86
1.50	104	99	95	103	98	95	100	96	94	89
2.00	107	103	99	106	102	98	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	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: 2020-06-17

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:

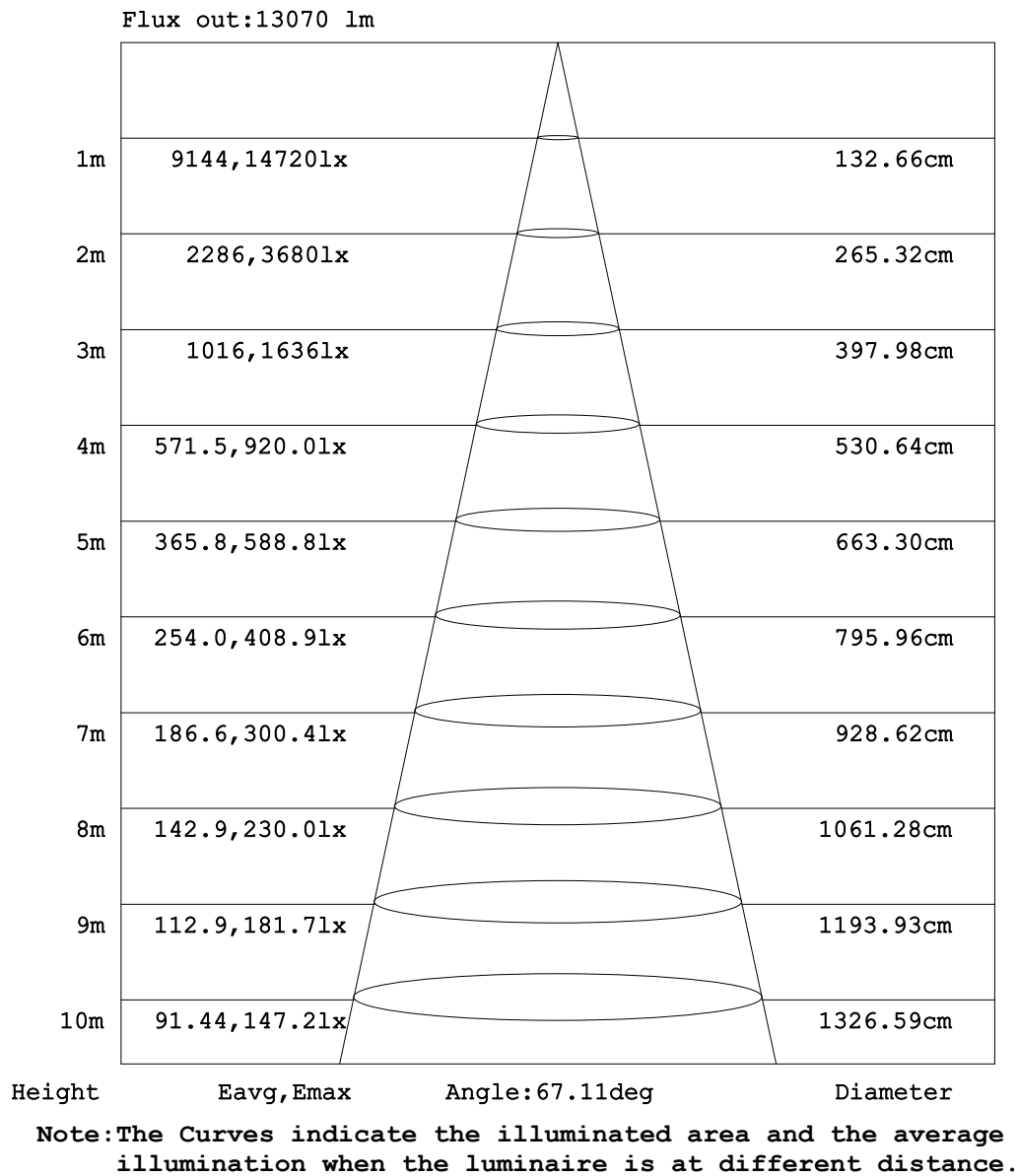
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-17

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:

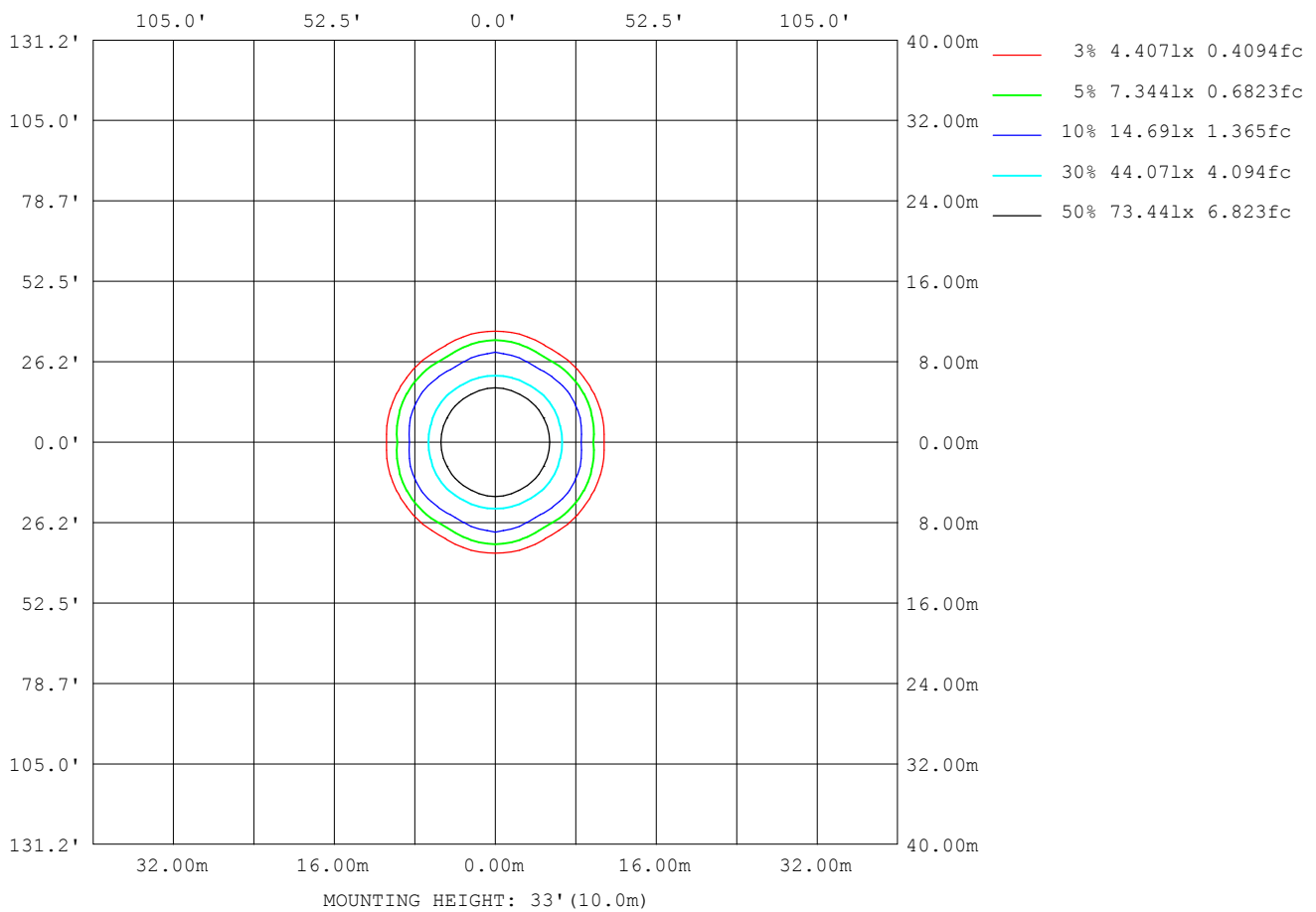
AAI Figure



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-17

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: 2020-06-17

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:0.6635A P:150.5W PF:0.9849 Freq:49.99Hz Lamp Flux:17585.3x1 lm		
NAME: H29APC-15-R280-70-40H-2523030R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

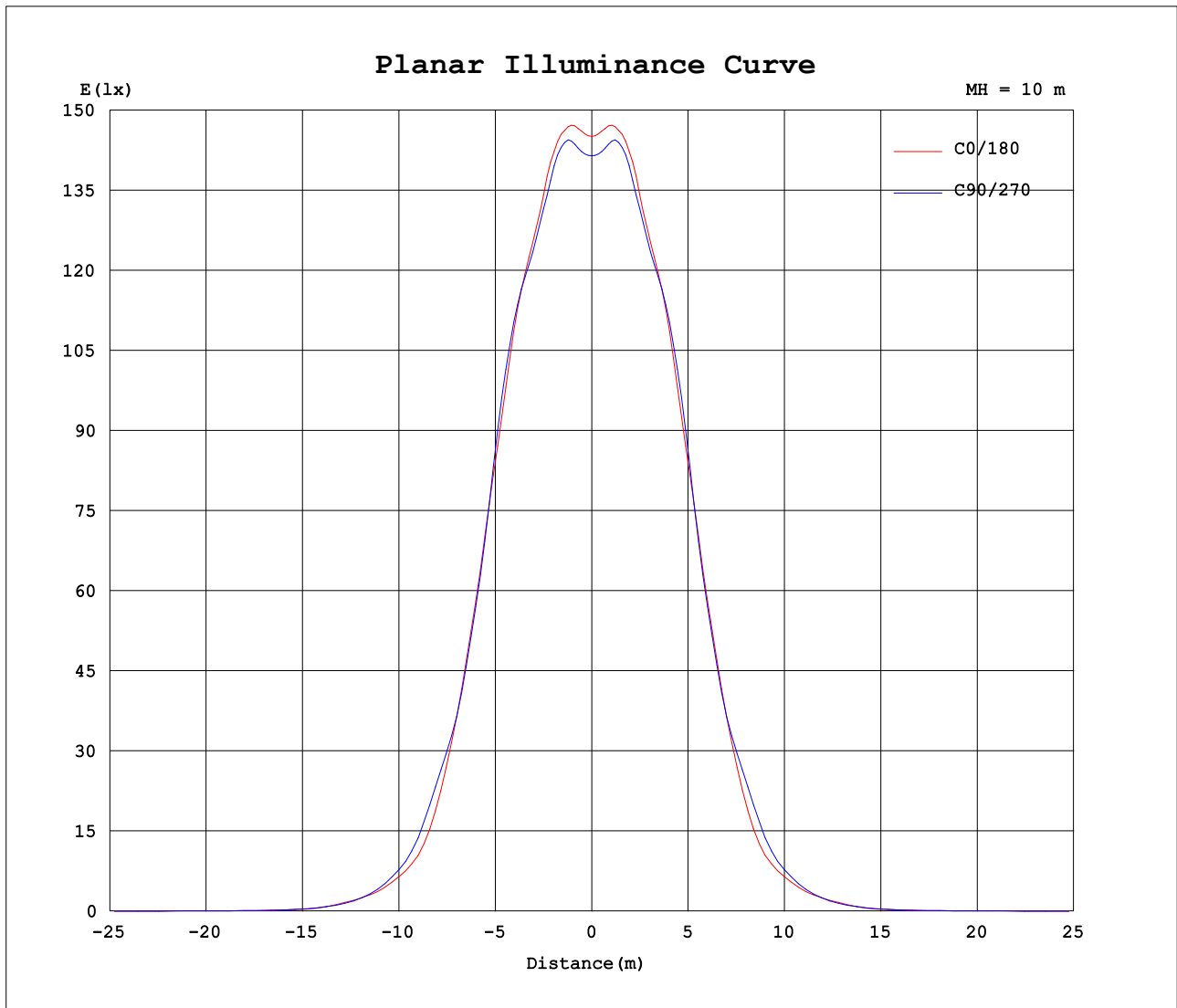
AvgL	cd/m2
L_0~180 (65) av	3126
L_0~180 (75) av	2703
L_0~180 (85) av	1463
L_90~270 (65) av	3099
L_90~270 (75) av	2734
L_90~270 (85) av	1634
L_45 (65) av	3102
L_45 (75) av	2681
L_45 (85) av	1696

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-06-17

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: 2020-06-17

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	1451	1420	1418	1417	1416	1415	1415	1415	1416	1417	1418	1420	1451	1420	1418	1417	1416	1415	1415
5	1488	1454	1454	1455	1454	1452	1453	1452	1454	1455	1454	1454	1488	1454	1454	1455	1454	1452	1453
10	1509	1480	1487	1495	1496	1488	1483	1488	1496	1495	1487	1480	1509	1480	1487	1495	1496	1488	1483
15	1453	1431	1444	1438	1429	1422	1430	1422	1429	1438	1444	1431	1453	1431	1444	1438	1429	1422	1430
20	1403	1393	1408	1391	1369	1380	1404	1380	1369	1391	1408	1393	1403	1393	1408	1391	1369	1380	1404
25	1244	1249	1291	1279	1237	1261	1293	1261	1237	1279	1291	1249	1244	1249	1291	1279	1237	1261	1293
30	985	981	953	956	940	962	970	962	940	956	953	981	985	981	953	956	940	962	970
35	663	674	717	702	664	687	664	687	664	702	717	674	663	674	717	702	664	687	664
40	343	401	424	383	331	394	445	394	331	383	424	401	343	401	424	383	331	394	445
45	183	203	213	200	182	208	220	208	182	200	213	203	183	203	213	200	182	208	220
50	95.1	93.2	89.8	95.0	95.7	97.4	95.8	97.4	95.7	95.0	89.8	93.2	95.1	93.2	89.8	95.0	95.7	97.4	95.8
55	30.7	33.8	31.3	32.5	32.4	33.5	34.4	33.5	32.4	32.5	31.3	33.8	30.7	33.8	31.3	32.5	32.4	33.5	34.4
60	12.4	13.1	12.5	13.1	12.5	12.7	12.9	12.7	12.5	13.1	12.5	13.1	12.4	13.1	12.5	13.1	12.5	12.7	12.9
65	8.19	8.21	8.13	8.13	8.11	8.16	8.12	8.16	8.11	8.13	8.13	8.21	8.19	8.21	8.13	8.13	8.11	8.16	8.12
70	5.99	6.00	5.91	5.90	5.90	5.96	5.89	5.96	5.90	5.90	5.91	6.00	5.99	6.00	5.91	5.90	5.90	5.96	5.89
75	4.34	4.38	4.40	4.30	4.24	4.32	4.39	4.32	4.24	4.30	4.40	4.38	4.34	4.38	4.40	4.30	4.24	4.32	4.39
80	2.63	2.69	2.62	2.64	2.61	2.65	2.59	2.65	2.61	2.64	2.62	2.69	2.63	2.69	2.62	2.64	2.61	2.65	2.59
85	0.79	0.89	0.96	0.92	0.87	0.89	0.88	0.89	0.87	0.92	0.96	0.89	0.79	0.89	0.96	0.92	0.87	0.89	0.88
90	0.09	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.09
95	0.16	0.16	0.15	0.15	0.14	0.15	0.16	0.15	0.14	0.15	0.15	0.16	0.16	0.16	0.15	0.15	0.14	0.15	0.16
100	0.27	0.29	0.29	0.28	0.26	0.28	0.29	0.28	0.26	0.28	0.29	0.29	0.27	0.29	0.29	0.28	0.26	0.28	0.29
105	0.51	0.52	0.53	0.52	0.50	0.52	0.52	0.52	0.50	0.52	0.53	0.52	0.51	0.52	0.53	0.52	0.50	0.52	0.52
110	0.85	0.85	0.84	0.84	0.84	0.84	0.85	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.84	0.84	0.84	0.84	0.85
115	1.30	1.29	1.29	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.30	1.29	1.29	1.30	1.30	1.30	1.30
120	1.84	1.83	1.83	1.84	1.84	1.84	1.83	1.84	1.84	1.84	1.83	1.83	1.84	1.83	1.83	1.84	1.84	1.84	1.83
125	2.47	2.44	2.43	2.44	2.45	2.44	2.43	2.44	2.45	2.44	2.43	2.44	2.47	2.44	2.43	2.44	2.45	2.44	2.43
130	3.22	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.22	3.17	3.17	3.17	3.17	3.17	3.17
135	4.05	3.99	3.98	3.97	3.98	3.98	3.98	3.98	3.98	3.97	3.98	3.99	4.05	3.99	3.98	3.97	3.98	3.98	3.98
140	4.93	4.84	4.83	4.82	4.82	4.82	4.83	4.82	4.82	4.82	4.83	4.84	4.93	4.84	4.83	4.82	4.82	4.82	4.83
145	5.84	5.72	5.71	5.70	5.71	5.70	5.70	5.70	5.71	5.70	5.71	5.72	5.84	5.72	5.71	5.70	5.71	5.70	5.70
150	6.71	6.57	6.56	6.55	6.56	6.55	6.55	6.55	6.56	6.55	6.56	6.57	6.71	6.57	6.56	6.55	6.56	6.55	6.55
155	7.50	7.33	7.31	7.31	7.32	7.31	7.30	7.31	7.32	7.31	7.31	7.33	7.50	7.33	7.31	7.31	7.32	7.31	7.30
160	8.25	8.06	8.04	8.04	8.05	8.03	8.01	8.03	8.05	8.04	8.04	8.06	8.25	8.06	8.04	8.04	8.05	8.03	8.01
165	8.96	8.76	8.75	8.74	8.75	8.74	8.73	8.74	8.75	8.74	8.75	8.76	8.96	8.76	8.75	8.74	8.75	8.74	8.73
170	9.58	9.37	9.35	9.35	9.35	9.34	9.33	9.34	9.35	9.35	9.35	9.37	9.58	9.37	9.35	9.35	9.35	9.34	9.33
175	10.0	9.82	9.83	9.82	9.81	9.80	9.81	9.80	9.81	9.82	9.83	9.82	10.0	9.82	9.83	9.82	9.81	9.80	9.81
180	10.2	10.1	10.1	10.0	10.0	10.0	10.1	10.0	10.0	10.0	10.1	10.1	10.2	10.1	10.1	10.0	10.0	10.0	10.1

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-17

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	1415	1416	1417	1418	1420														
5	1452	1454	1455	1454	1454														
10	1488	1496	1495	1487	1480														
15	1422	1429	1438	1444	1431														
20	1380	1369	1391	1408	1393														
25	1261	1237	1279	1291	1249														
30	962	940	956	953	981														
35	687	664	702	717	674														
40	394	331	383	424	401														
45	208	182	200	213	203														
50	97.4	95.7	95.0	89.8	93.2														
55	33.5	32.4	32.5	31.3	33.8														
60	12.7	12.5	13.1	12.5	13.1														
65	8.16	8.11	8.13	8.13	8.21														
70	5.96	5.90	5.90	5.91	6.00														
75	4.32	4.24	4.30	4.40	4.38														
80	2.65	2.61	2.64	2.62	2.69														
85	0.89	0.87	0.92	0.96	0.89														
90	0.09	0.09	0.09	0.08	0.09														
95	0.15	0.14	0.15	0.15	0.16														
100	0.28	0.26	0.28	0.29	0.29														
105	0.52	0.50	0.52	0.53	0.52														
110	0.84	0.84	0.84	0.84	0.85														
115	1.30	1.30	1.30	1.29	1.29														
120	1.84	1.84	1.84	1.83	1.83														
125	2.44	2.45	2.44	2.43	2.44														
130	3.17	3.17	3.17	3.17	3.17														
135	3.98	3.98	3.97	3.98	3.99														
140	4.82	4.82	4.82	4.83	4.84														
145	5.70	5.71	5.70	5.71	5.72														
150	6.55	6.56	6.55	6.56	6.57														
155	7.31	7.32	7.31	7.31	7.33														
160	8.03	8.05	8.04	8.04	8.06														
165	8.74	8.75	8.74	8.75	8.76														
170	9.34	9.35	9.35	9.35	9.37														
175	9.80	9.81	9.82	9.83	9.82														
180	10.0	10.0	10.0	10.1	10.1														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-17

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	14510	14198	14179	14166	14159	14153	14150	14153	14159	14166
3.0	14670	14343	14327	14308	14299	14286	14282	14286	14299	14308
6.0	14964	14639	14655	14687	14680	14657	14664	14657	14680	14687
9.0	15097	14787	14844	14931	14967	14899	14846	14899	14967	14931
12.0	14987	14696	14717	14815	14811	14691	14622	14691	14811	14815
15.0	14534	14307	14440	14377	14288	14217	14301	14217	14288	14377
18.0	14233	14088	14150	14069	13919	13950	14072	13950	13919	14069
21.0	13869	13796	14018	13828	13561	13714	13961	13714	13561	13828
24.0	12876	12940	13394	13217	12831	13064	13313	13064	12831	13217
27.0	11550	11530	11611	11604	11307	11504	11760	11504	11307	11604
30.0	9850	9812	9530	9561	9396	9616	9696	9616	9396	9561
33.0	7984	7957	8022	7999	7798	7874	7817	7874	7798	7999
36.0	5971	6169	6706	6414	5935	6336	6198	6336	5935	6414
39.0	4013	4579	4889	4434	3894	4525	4963	4525	3894	4434
42.0	2560	2971	3168	2890	2531	2982	3359	2982	2531	2890
45.0	1831	2035	2125	2004	1824	2080	2205	2080	1824	2004
48.0	1234	1322	1309	1294	1242	1344	1375	1344	1242	1294
51.0	826.8	784.3	726.1	802.5	833.4	814.7	782.1	814.7	833.4	802.5
54.0	416.5	427.6	378.8	424.2	424.6	444.1	432.3	444.1	424.6	424.2
57.0	203.4	221.5	212.1	215.8	205.6	213.8	217.2	213.8	205.6	215.8
60.0	124.1	131.0	125.3	130.9	124.6	127.2	129.0	127.2	124.6	130.9
63.0	93.79	95.50	95.00	95.01	92.41	94.82	96.17	94.82	92.41	95.01
66.0	76.68	76.31	75.62	75.56	75.67	75.98	75.35	75.98	75.67	75.56
69.0	63.22	63.28	62.91	62.38	62.22	62.99	62.86	62.99	62.22	62.38
72.0	52.95	53.13	52.58	52.23	52.00	52.64	52.34	52.64	52.00	52.23
75.0	43.38	43.83	44.00	43.03	42.43	43.17	43.87	43.17	42.43	43.03
78.0	33.10	33.83	33.29	32.83	32.52	33.30	33.30	33.30	32.52	32.83
81.0	22.89	23.72	23.38	23.04	22.63	22.87	22.58	22.87	22.63	23.04
84.0	12.23	13.20	13.12	12.87	12.32	12.87	12.79	12.87	12.32	12.87
87.0	3.335	3.666	3.403	3.341	3.257	2.812	3.081	2.812	3.257	3.341
90.0	0.9293	0.8739	0.8460	0.8534	0.8563	0.8538	0.8553	0.8538	0.8563	0.8534
93.0	1.254	1.224	1.206	1.193	1.160	1.201	1.218	1.201	1.160	1.193
96.0	1.756	1.749	1.753	1.705	1.630	1.719	1.759	1.719	1.630	1.705
99.0	2.429	2.508	2.536	2.430	2.307	2.477	2.595	2.477	2.307	2.430
102.0	3.581	3.681	3.765	3.603	3.427	3.655	3.779	3.655	3.427	3.603
105.0	5.109	5.178	5.326	5.187	5.021	5.165	5.230	5.165	5.021	5.187
108.0	7.030	7.027	7.086	7.014	6.922	6.985	7.024	6.985	6.922	7.014
111.0	9.345	9.265	9.189	9.192	9.176	9.239	9.259	9.239	9.176	9.192
114.0	12.03	11.95	11.93	11.99	11.96	11.99	11.98	11.99	11.96	11.99
117.0	15.03	15.01	15.02	15.12	15.08	15.10	15.03	15.10	15.08	15.12
120.0	18.42	18.31	18.28	18.37	18.38	18.37	18.31	18.37	18.38	18.37
123.0	22.09	21.84	21.77	21.87	21.93	21.88	21.82	21.88	21.93	21.87
126.0	26.14	25.75	25.72	25.76	25.82	25.77	25.71	25.77	25.82	25.76
129.0	30.59	30.14	30.13	30.12	30.15	30.11	30.10	30.11	30.15	30.12
132.0	35.40	34.90	34.87	34.84	34.83	34.87	34.91	34.87	34.83	34.84
135.0	40.46	39.86	39.80	39.74	39.76	39.80	39.84	39.80	39.76	39.74
138.0	45.71	44.92	44.85	44.80	44.81	44.81	44.85	44.81	44.80	44.85
141.0	51.06	50.11	50.05	49.98	50.01	49.96	49.97	49.96	50.01	49.98
144.0	56.57	55.46	55.32	55.28	55.32	55.23	55.26	55.23	55.28	55.32
147.0	62.03	60.72	60.57	60.51	60.58	60.51	60.51	60.51	60.58	60.51
150.0	67.15	65.73	65.58	65.50	65.58	65.54	65.47	65.54	65.58	65.50
153.0	71.88	70.37	70.18	70.12	70.24	70.16	70.05	70.16	70.24	70.12
156.0	76.47	74.78	74.52	74.52	74.66	74.53	74.35	74.53	74.66	74.52
159.0	81.04	79.15	78.90	78.90	79.02	78.85	78.63	78.85	79.02	78.90
162.0	85.55	83.57	83.35	83.33	83.45	83.28	83.10	83.28	83.45	83.33
165.0	89.58	87.63	87.45	87.39	87.45	87.38	87.26	87.38	87.45	87.39
168.0	93.56	91.52	91.34	91.25	91.30	91.20	91.14	91.20	91.30	91.25
171.0	96.75	94.66	94.48	94.38	94.42	94.30	94.26	94.30	94.42	94.38
174.0	99.38	97.34	97.30	97.23	97.19	97.10	97.10	97.10	97.19	97.23
177.0	101.0	99.25	99.40	99.22	99.03	99.12	99.29	99.12	99.03	99.22
180.0	102.4	100.7	100.6	100.4	100.1	100.4	100.6	100.4	100.1	100.4
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	14179	14198	14510	14198	14179	14166	14159	14153	14150	14153
3.0	14327	14343	14670	14343	14327	14308	14299	14286	14282	14286
6.0	14655	14639	14964	14639	14655	14687	14680	14657	14664	14657
9.0	14844	14787	15097	14787	14844	14931	14967	14899	14846	14899
12.0	14717	14696	14987	14696	14717	14815	14811	14691	14622	14691
15.0	14440	14307	14534	14307	14440	14377	14288	14217	14301	14217
18.0	14150	14088	14233	14088	14150	14069	13919	13950	14072	13950
21.0	14018	13796	13869	13796	14018	13828	13561	13714	13961	13714
24.0	13394	12940	12876	12940	13394	13217	12831	13064	13313	13064
27.0	11611	11530	11550	11530	11611	11604	11307	11504	11760	11504
30.0	9530	9812	9850	9812	9530	9561	9396	9616	9696	9616

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-17

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	8022	7957	7984	7957	8022	7999	7798	7874	7817	7874
36.0	6706	6169	5971	6169	6706	6414	5935	6336	6198	6336
39.0	4889	4579	4013	4579	4889	4434	3894	4525	4963	4525
42.0	3168	2971	2560	2971	3168	2890	2531	2982	3359	2982
45.0	2125	2035	1831	2035	2125	2004	1824	2080	2205	2080
48.0	1309	1322	1234	1322	1309	1294	1242	1344	1375	1344
51.0	726.1	784.3	826.8	784.3	726.1	802.5	833.4	814.7	782.1	814.7
54.0	378.8	427.6	416.5	427.6	378.8	424.2	424.6	444.1	432.3	444.1
57.0	212.1	221.5	203.4	221.5	212.1	215.8	205.6	213.8	217.2	213.8
60.0	125.3	131.0	124.1	131.0	125.3	130.9	124.6	127.2	129.0	127.2
63.0	95.00	95.50	93.79	95.50	95.00	95.01	92.41	94.82	96.17	94.82
66.0	75.62	76.31	76.68	76.31	75.62	75.56	75.67	75.98	75.35	75.98
69.0	62.91	63.28	63.22	63.28	62.91	62.38	62.22	62.99	62.86	62.99
72.0	52.58	53.13	52.95	53.13	52.58	52.23	52.00	52.64	52.34	52.64
75.0	44.00	43.83	43.38	43.83	44.00	43.03	42.43	43.17	43.87	43.17
78.0	33.29	33.83	33.10	33.83	33.29	32.83	32.52	33.30	33.30	33.30
81.0	23.38	23.72	22.89	23.72	23.38	23.04	22.63	22.87	22.58	22.87
84.0	13.12	13.20	12.23	13.20	13.12	12.87	12.32	12.87	12.79	12.87
87.0	3.403	3.666	3.335	3.666	3.403	3.341	3.257	2.812	3.081	2.812
90.0	0.8460	0.8739	0.9293	0.8739	0.8460	0.8534	0.8563	0.8538	0.8553	0.8538
93.0	1.206	1.224	1.254	1.224	1.206	1.193	1.160	1.201	1.218	1.201
96.0	1.753	1.749	1.756	1.749	1.753	1.705	1.630	1.719	1.759	1.719
99.0	2.536	2.508	2.429	2.508	2.536	2.430	2.307	2.477	2.595	2.477
102.0	3.765	3.681	3.581	3.681	3.765	3.603	3.427	3.655	3.779	3.655
105.0	5.326	5.178	5.109	5.178	5.326	5.187	5.021	5.165	5.230	5.165
108.0	7.086	7.027	7.030	7.027	7.086	7.014	6.922	6.985	7.024	6.985
111.0	9.189	9.265	9.345	9.265	9.189	9.192	9.176	9.239	9.259	9.239
114.0	11.93	11.95	12.03	11.95	11.93	11.99	11.96	11.99	11.98	11.99
117.0	15.02	15.01	15.03	15.01	15.02	15.12	15.08	15.10	15.03	15.10
120.0	18.28	18.31	18.42	18.31	18.28	18.37	18.38	18.37	18.31	18.37
123.0	21.77	21.84	22.09	21.84	21.77	21.87	21.93	21.88	21.82	21.88
126.0	25.72	25.75	26.14	25.75	25.72	25.76	25.82	25.77	25.71	25.77
129.0	30.13	30.14	30.59	30.14	30.13	30.12	30.15	30.11	30.10	30.11
132.0	34.87	34.90	35.40	34.90	34.87	34.84	34.83	34.87	34.91	34.87
135.0	39.80	39.86	40.46	39.86	39.80	39.74	39.76	39.80	39.84	39.80
138.0	44.85	44.92	45.71	44.92	44.85	44.80	44.81	44.81	44.85	44.81
141.0	50.05	50.11	51.06	50.11	50.05	49.98	50.01	49.96	49.97	49.96
144.0	55.32	55.46	56.57	55.46	55.32	55.28	55.32	55.23	55.26	55.23
147.0	60.57	60.72	62.03	60.72	60.57	60.51	60.58	60.51	60.51	60.51
150.0	65.58	65.73	67.15	65.73	65.58	65.50	65.58	65.54	65.47	65.54
153.0	70.18	70.37	71.88	70.37	70.18	70.12	70.24	70.16	70.05	70.16
156.0	74.52	74.78	76.47	74.78	74.52	74.52	74.66	74.53	74.35	74.53
159.0	78.90	79.15	81.04	79.15	78.90	78.90	79.02	78.85	78.63	78.85
162.0	83.35	83.57	85.55	83.57	83.35	83.33	83.45	83.28	83.10	83.28
165.0	87.45	87.63	89.58	87.63	87.45	87.39	87.45	87.38	87.26	87.38
168.0	91.34	91.52	93.56	91.52	91.34	91.25	91.30	91.20	91.14	91.20
171.0	94.48	94.66	96.75	94.66	94.48	94.38	94.42	94.30	94.26	94.30
174.0	97.30	97.34	99.38	97.34	97.30	97.23	97.19	97.10	97.10	97.10
177.0	99.40	99.25	101.0	99.25	99.40	99.22	99.03	99.12	99.29	99.12
180.0	100.6	100.7	102.4	100.7	100.6	100.4	100.1	100.4	100.6	100.4
G/C	300.0	315.0	330.0	345.0						
0.0	14159	14166	14179	14198						
3.0	14299	14308	14327	14343						
6.0	14680	14687	14655	14639						
9.0	14967	14931	14844	14787						
12.0	14811	14815	14717	14696						
15.0	14288	14377	14440	14307						
18.0	13919	14069	14150	14088						
21.0	13561	13828	14018	13796						
24.0	12831	13217	13394	12940						
27.0	11307	11604	11611	11530						
30.0	9396	9561	9530	9812						
33.0	7798	7999	8022	7957						
36.0	5935	6414	6706	6169						
39.0	3894	4434	4889	4579						
42.0	2531	2890	3168	2971						
45.0	1824	2004	2125	2035						
48.0	1242	1294	1309	1322						
51.0	833.4	802.5	726.1	784.3						
54.0	424.6	424.2	378.8	427.6						
57.0	205.6	215.8	212.1	221.5						
60.0	124.6	130.9	125.3	131.0						
63.0	92.41	95.01	95.00	95.50						
66.0	75.67	75.56	75.62	76.31						

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-17

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	62.22	62.38	62.91	63.28
72.0	52.00	52.23	52.58	53.13
75.0	42.43	43.03	44.00	43.83
78.0	32.52	32.83	33.29	33.83
81.0	22.63	23.04	23.38	23.72
84.0	12.32	12.87	13.12	13.20
87.0	3.257	3.341	3.403	3.666
90.0	0.8563	0.8534	0.8460	0.8739
93.0	1.160	1.193	1.206	1.224
96.0	1.630	1.705	1.753	1.749
99.0	2.307	2.430	2.536	2.508
102.0	3.427	3.603	3.765	3.681
105.0	5.021	5.187	5.326	5.178
108.0	6.922	7.014	7.086	7.027
111.0	9.176	9.192	9.189	9.265
114.0	11.96	11.99	11.93	11.95
117.0	15.08	15.12	15.02	15.01
120.0	18.38	18.37	18.28	18.31
123.0	21.93	21.87	21.77	21.84
126.0	25.82	25.76	25.72	25.75
129.0	30.15	30.12	30.13	30.14
132.0	34.83	34.84	34.87	34.90
135.0	39.76	39.74	39.80	39.86
138.0	44.81	44.80	44.85	44.92
141.0	50.01	49.98	50.05	50.11
144.0	55.32	55.28	55.32	55.46
147.0	60.58	60.51	60.57	60.72
150.0	65.58	65.50	65.58	65.73
153.0	70.24	70.12	70.18	70.37
156.0	74.66	74.52	74.52	74.78
159.0	79.02	78.90	78.90	79.15
162.0	83.45	83.33	83.35	83.57
165.0	87.45	87.39	87.45	87.63
168.0	91.30	91.25	91.34	91.52
171.0	94.42	94.38	94.48	94.66
174.0	97.19	97.23	97.30	97.34
177.0	99.03	99.22	99.40	99.25
180.0	100.1	100.4	100.6	100.7

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-17

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: