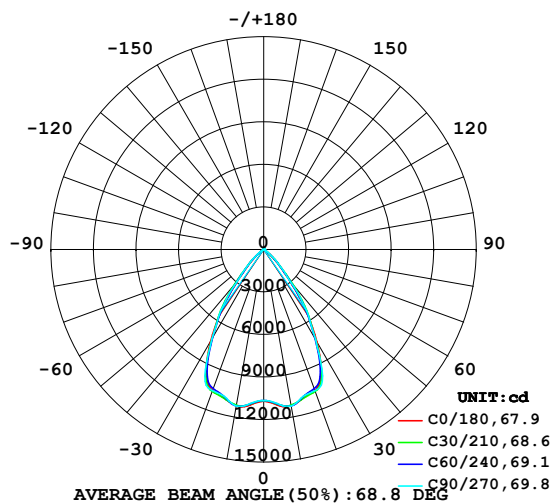


LUMINAIRE PHOTOMETRIC TEST REPORT

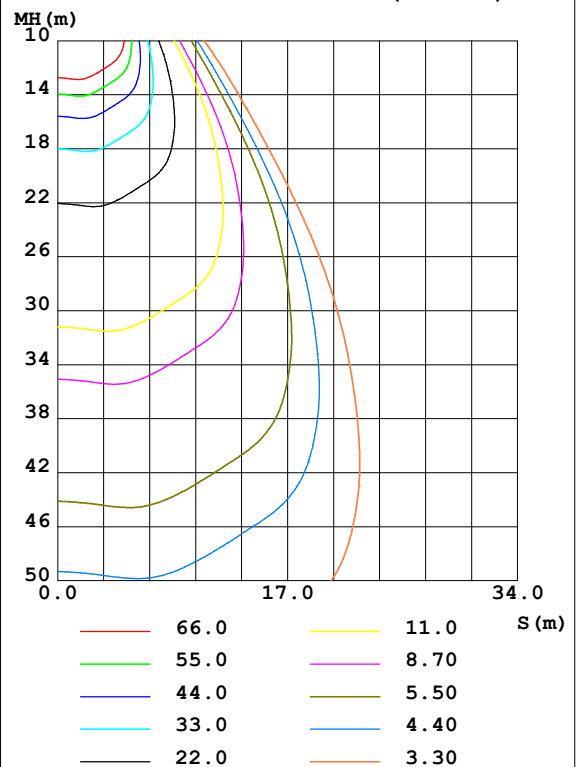
Test:U:230.4V I:0.4521A P:100.9W PF:0.9691 Freq:49.99Hz Lamp Flux:13322.6x1 lm		
NAME: H29APC-10-R280-70-50H-2523030R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.98 lm/W			
MODEL		I _{max} (cd)	11221	S/MH (C0/180)	1.01
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH (C90/270)	1.02
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	13323	η UP,DN(C0-180)	0.5,49.5
NOMINAL FLUX(lm)	13322.6	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: 2020-07-06

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	1119	1117	1121	1117	1119	1117	1121	1117	0- 10	1055	1055	7.92,7.92
20	1058	1059	1060	1059	1058	1059	1060	1059	10- 20	3064	4118	30.9,30.9
30	750.6	731.7	731.0	731.7	750.6	731.7	731.0	731.7	20- 30	4285	8404	63.1,63.1
40	281.2	287.5	294.7	287.5	281.2	287.5	294.7	287.5	30- 40	3170	11573	86.9,86.9
50	69.11	74.74	78.34	74.74	69.11	74.74	78.34	74.74	40- 50	1234	12807	96.1,96.1
60	10.98	10.74	10.93	10.74	10.98	10.74	10.93	10.74	50- 60	281.0	13088	98.2,98.2
70	4.026	3.982	3.987	3.982	4.026	3.982	3.987	3.982	60- 70	63.62	13152	98.7,98.7
80	1.780	1.719	1.725	1.719	1.780	1.719	1.725	1.719	70- 80	29.65	13181	98.9,98.9
90	0.0639	0.0633	0.0631	0.0633	0.0639	0.0633	0.0631	0.0633	80- 90	7.857	13189	99,99
100	0.2009	0.2064	0.2064	0.2064	0.2009	0.2064	0.2064	0.2064	90-100	1.314	13191	99,99
110	0.6357	0.6254	0.6136	0.6254	0.6357	0.6254	0.6136	0.6254	100-110	4.128	13195	99,99
120	1.391	1.377	1.369	1.377	1.391	1.377	1.369	1.377	110-120	9.662	13204	99.1,99.1
130	2.410	2.395	2.386	2.395	2.410	2.395	2.386	2.395	120-130	16.57	13221	99.2,99.2
140	3.680	3.674	3.667	3.674	3.680	3.674	3.667	3.674	130-140	23.28	13244	99.4,99.4
150	5.000	5.004	5.003	5.004	5.000	5.004	5.003	5.004	140-150	27.11	13271	99.6,99.6
160	6.145	6.128	6.131	6.128	6.145	6.128	6.131	6.128	150-160	25.61	13297	99.8,99.8
170	7.148	7.128	7.128	7.128	7.148	7.128	7.128	7.128	160-170	18.71	13316	99.9,99.9
180	7.689	7.660	7.666	7.660	7.689	7.660	7.666	7.660	170-180	7.025	13323	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 12364 lm

%lum = 92.8%

%lamp = 92.8%

Conical surface Flux(120deg): 13088 lm

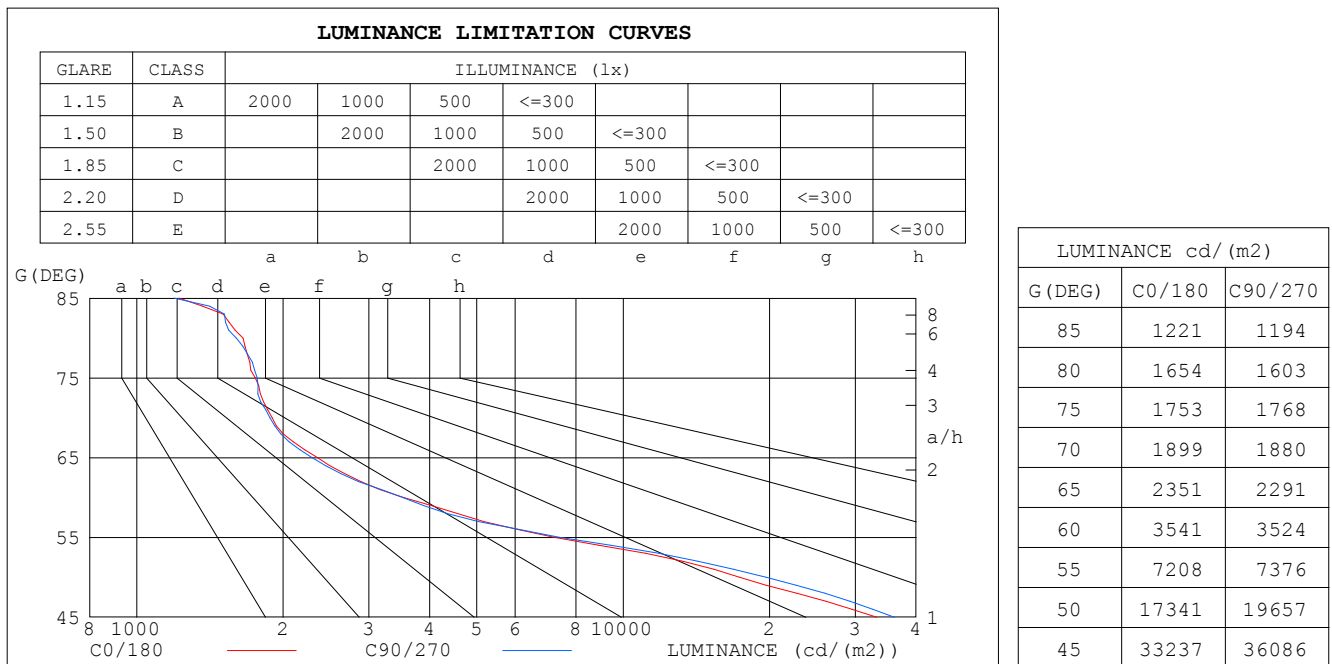
%lum = 98.2%

%lamp = 98.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-07-06

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

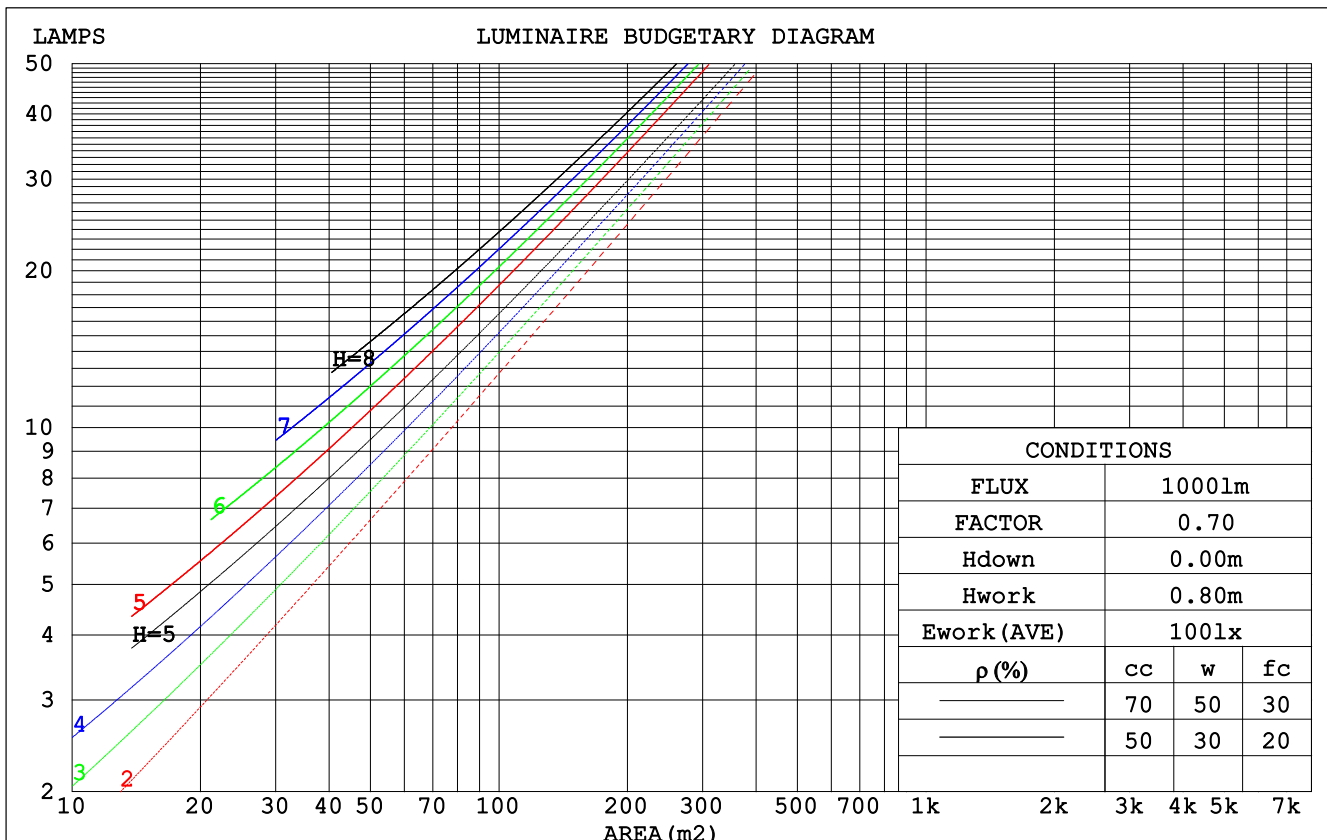


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-07-06

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	.79	.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	.71	.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	.54	.62	.57	.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	.47	.55	.51	.47	.46



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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	.107	.034	.182	.104	.033	.169	.097	.031	.157	.090	.029	.145	.084	.027	
2.0	.182	.100	.031	.176	.097	.030	.165	.092	.029	.155	.087	.027	.145	.082	.026	
3.0	.174	.093	.028	.169	.091	.027	.159	.086	.026	.150	.082	.025	.142	.079	.024	
4.0	.166	.086	.025	.162	.085	.025	.153	.081	.024	.146	.078	.024	.138	.075	.023	
5.0	.159	.081	.023	.155	.079	.023	.147	.077	.023	.140	.074	.022	.134	.072	.022	
6.0	.151	.076	.022	.148	.075	.022	.141	.072	.021	.135	.070	.021	.129	.068	.020	
7.0	.145	.072	.020	.142	.071	.020	.136	.069	.020	.130	.067	.019	.125	.065	.019	
8.0	.138	.068	.019	.136	.067	.019	.130	.065	.019	.125	.064	.018	.121	.062	.018	
9.0	.132	.064	.018	.130	.063	.018	.125	.062	.018	.121	.061	.017	.116	.059	.017	
10.0	.127	.061	.017	.125	.060	.017	.120	.059	.017	.116	.058	.016	.112	.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	.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	.078	.124	.092	.068	.085	.064	.048	.049	.038	.028	.016	.012	.009	
5.0	.136	.096	.066	.117	.083	.057	.081	.058	.040	.047	.034	.024	.015	.011	.008	
6.0	.129	.086	.056	.111	.075	.049	.077	.052	.034	.044	.031	.020	.014	.010	.007	
7.0	.123	.079	.048	.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:2020-07-06

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	12.8	12.0	13.0	13.2	11.7	12.8	12.0	12.9	13.1
3H	11.6	12.6	11.9	12.8	13.0	11.6	12.5	11.8	12.7	12.9
4H	11.6	12.4	11.9	12.7	12.9	11.5	12.4	11.8	12.6	12.8
6H	11.5	12.3	11.8	12.6	12.8	11.4	12.2	11.7	12.5	12.7
8H	11.4	12.2	11.8	12.5	12.8	11.3	12.1	11.7	12.4	12.7
12H	11.4	12.1	11.7	12.4	12.7	11.3	12.1	11.6	12.3	12.6
4H 2H	11.6	12.4	11.8	12.7	12.9	11.5	12.4	11.8	12.6	12.8
3H	11.4	12.1	11.7	12.4	12.7	11.3	12.1	11.7	12.4	12.7
4H	11.3	12.0	11.7	12.3	12.6	11.2	11.9	11.6	12.2	12.6
6H	11.2	11.8	11.6	12.2	12.5	11.1	11.7	11.5	12.1	12.5
8H	11.2	11.7	11.6	12.1	12.5	11.1	11.7	11.5	12.0	12.4
12H	11.1	11.6	11.6	12.0	12.4	11.1	11.6	11.5	12.0	12.4
8H 4H	11.2	11.7	11.6	12.1	12.5	11.1	11.6	11.5	12.0	12.4
6H	11.1	11.5	11.5	12.0	12.4	11.0	11.5	11.5	11.9	12.3
8H	11.0	11.4	11.5	11.9	12.3	11.0	11.4	11.4	11.8	12.3
12H	11.0	11.3	11.5	11.8	12.3	10.9	11.3	11.4	11.7	12.2
12H 4H	11.1	11.6	11.5	12.0	12.4	11.0	11.5	11.5	11.9	12.3
6H	11.0	11.4	11.5	11.9	12.3	11.0	11.4	11.4	11.8	12.3
8H	11.0	11.3	11.5	11.8	12.3	10.9	11.3	11.4	11.7	12.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / -10.1					+ 3.1 / -10.1				
1.5H	+ 4.3 / - 8.2					+ 4.7 / - 8.3				
2.0H	+ 5.8 / - 7.6					+ 6.1 / - 7.9				

CIE Pub.117, 13323 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.0)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-07-06

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:

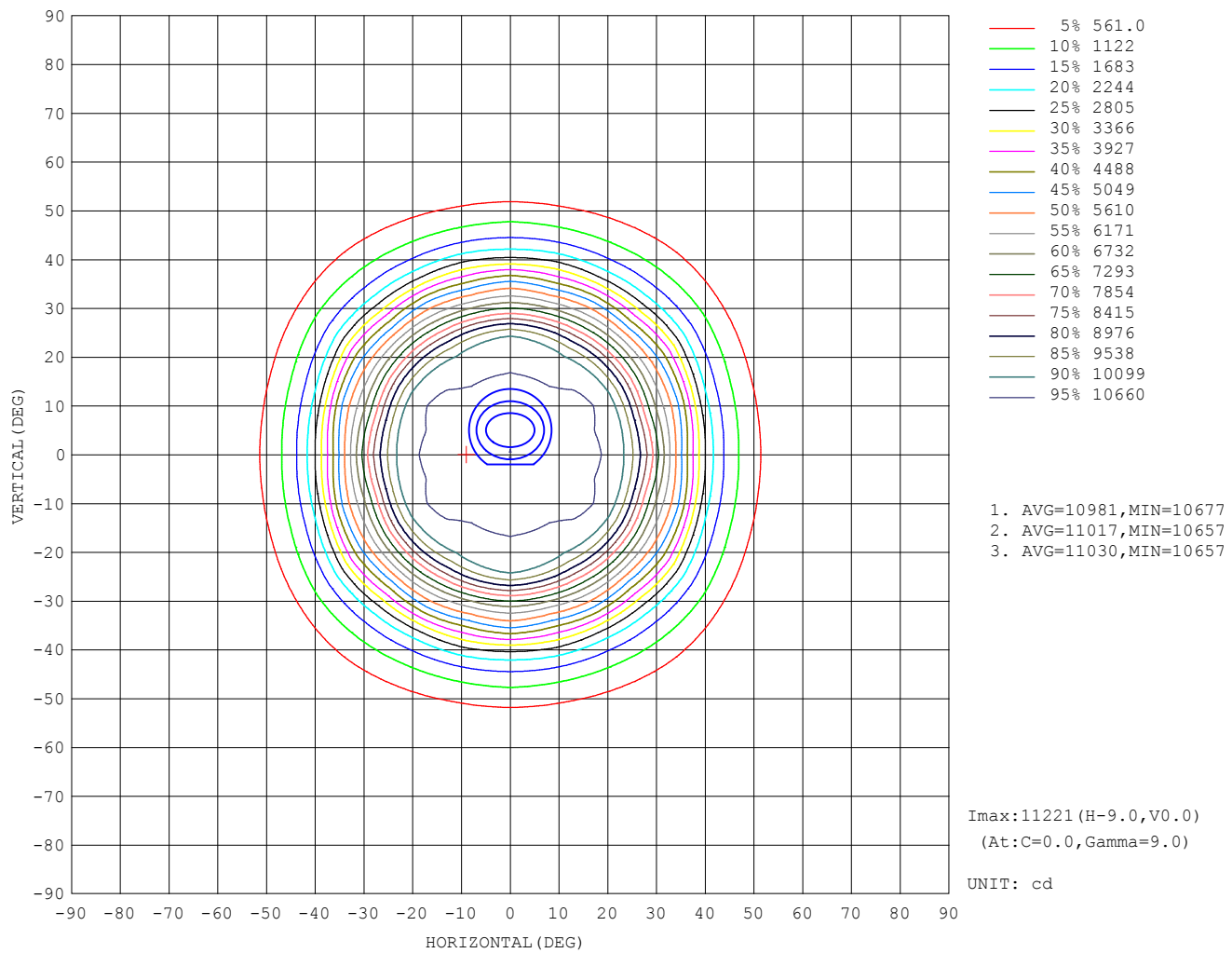
UTILIZATION FACTORS TABLE

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	80	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: 2020-07-06

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:

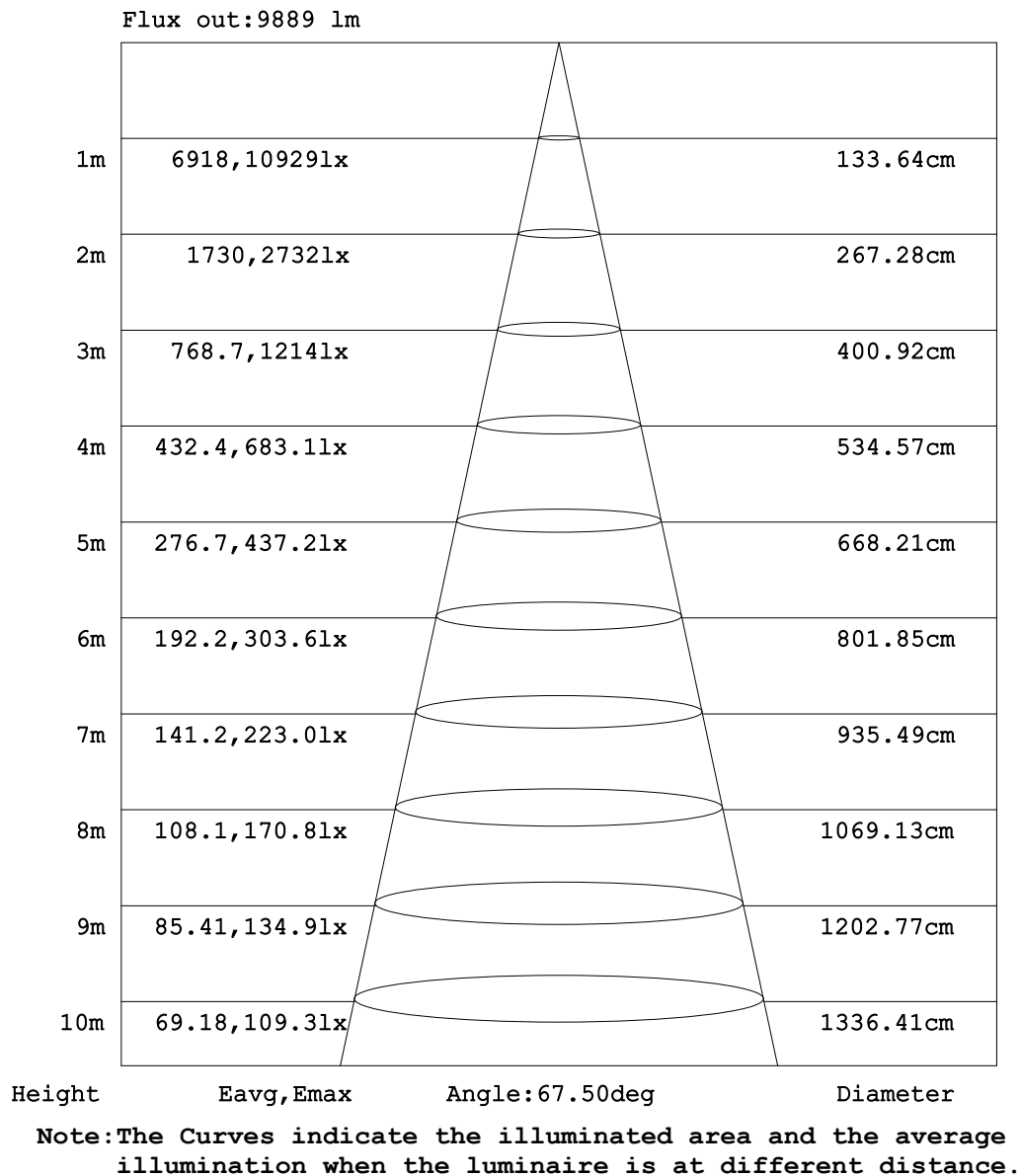
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-07-06

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:

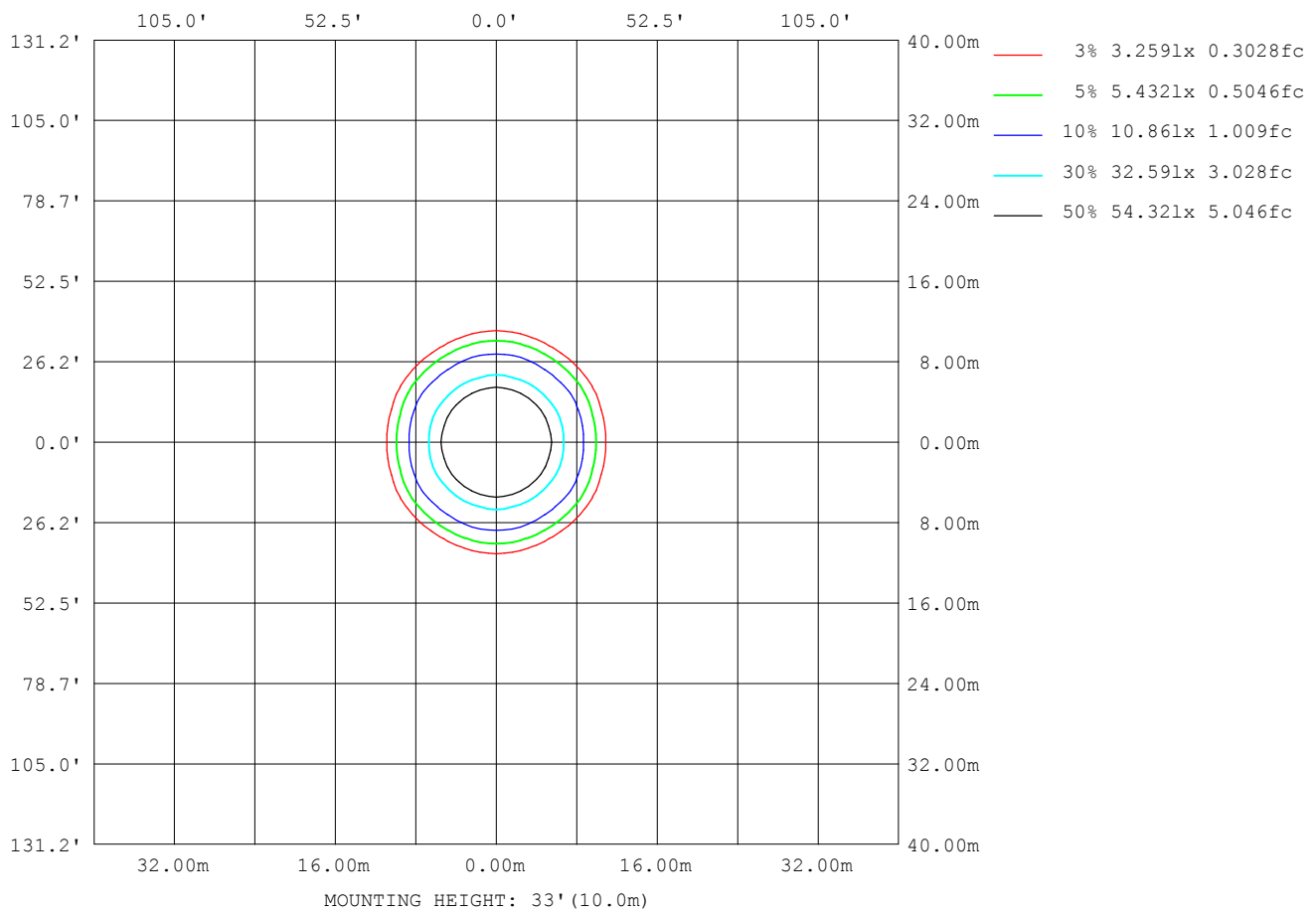
AAI Figure



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-07-06

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: 2020-07-06

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:0.4521A P:100.9W PF:0.9691 Freq:49.99Hz Lamp Flux:13322.6x1 lm		
NAME: H29APC-10-R280-70-50H-2523030R7	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

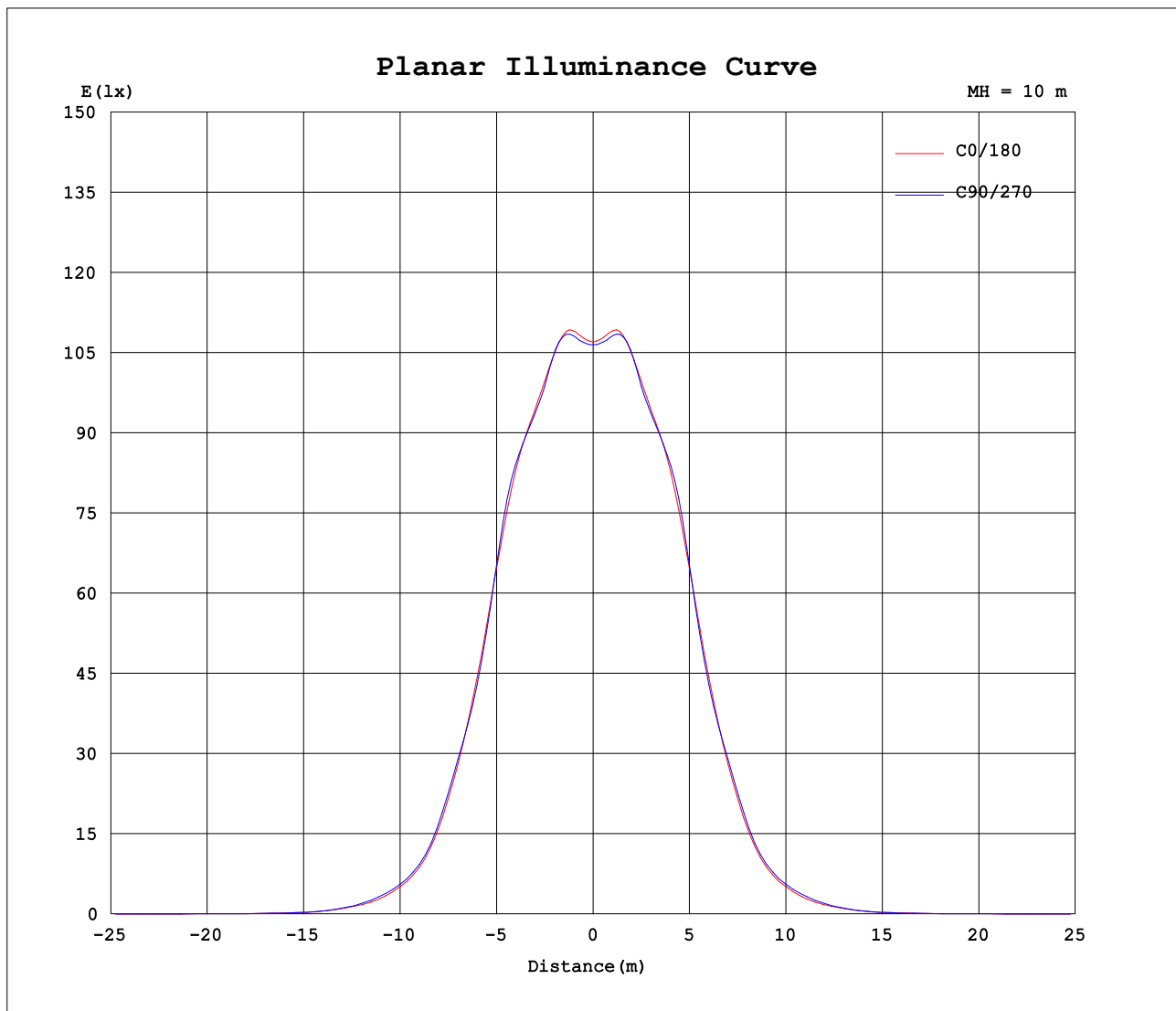
AvgL	cd/m2
L_0~180 (65) av	2351
L_0~180 (75) av	1753
L_0~180 (85) av	1221
L_90~270 (65) av	2291
L_90~270 (75) av	1768
L_90~270 (85) av	1194
L_45 (65) av	2312
L_45 (75) av	1765
L_45 (85) av	1166

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-07-06

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: 2020-07-06

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	1070	1066	1066	1066	1066	1066	1065	1066	1066	1066	1066	1066	1070	1066	1066	1066	1066	1066	1065
5	1101	1096	1095	1095	1093	1091	1091	1091	1093	1095	1095	1096	1101	1096	1095	1095	1093	1091	1091
10	1119	1116	1115	1117	1121	1122	1121	1122	1121	1117	1115	1116	1119	1116	1115	1117	1121	1122	1121
15	1086	1087	1087	1082	1075	1076	1074	1076	1075	1082	1087	1087	1086	1087	1087	1082	1075	1076	1074
20	1058	1059	1065	1059	1044	1053	1060	1053	1044	1059	1065	1059	1058	1059	1065	1059	1044	1053	1060
25	960	957	968	960	948	966	986	966	948	960	968	957	960	957	968	960	948	966	986
30	751	723	734	732	723	720	731	720	723	732	734	723	751	723	734	732	723	720	731
35	511	537	531	502	515	502	528	502	515	502	531	537	511	537	531	502	515	502	528
40	281	291	318	288	285	297	295	297	285	288	318	291	281	291	318	288	285	297	295
45	146	149	158	153	151	156	158	156	151	153	158	149	146	149	158	153	151	156	158
50	69.1	68.9	72.4	74.7	73.2	74.1	78.3	74.1	73.2	74.7	72.4	68.9	69.1	68.9	72.4	74.7	73.2	74.1	78.3
55	25.6	24.3	26.6	25.4	25.6	25.7	26.2	25.7	25.6	25.4	26.6	24.3	25.6	24.3	26.6	25.4	25.6	25.7	26.2
60	11.0	10.5	10.9	10.7	10.9	10.7	10.9	10.7	10.9	10.7	10.9	10.5	11.0	10.5	10.9	10.7	10.9	10.7	10.9
65	6.16	6.02	6.04	6.06	6.11	5.96	6.00	5.96	6.11	6.06	6.04	6.02	6.16	6.02	6.04	6.06	6.11	5.96	6.00
70	4.03	3.99	4.03	3.98	3.96	3.92	3.99	3.92	3.96	3.98	4.03	3.99	4.03	3.99	4.03	3.98	3.96	3.92	3.99
75	2.81	2.80	2.83	2.83	2.80	2.80	2.84	2.80	2.80	2.83	2.83	2.80	2.81	2.80	2.83	2.83	2.80	2.80	2.84
80	1.78	1.73	1.75	1.72	1.73	1.71	1.73	1.71	1.73	1.72	1.75	1.73	1.78	1.73	1.75	1.72	1.73	1.71	1.73
85	0.66	0.64	0.65	0.63	0.62	0.62	0.65	0.62	0.62	0.63	0.65	0.64	0.66	0.64	0.65	0.63	0.62	0.62	0.65
90	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
95	0.11	0.11	0.11	0.11	0.11	0.12	0.11	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.11
100	0.20	0.21	0.21	0.21	0.20	0.21	0.21	0.21	0.20	0.21	0.21	0.21	0.20	0.21	0.21	0.21	0.20	0.21	0.21
105	0.38	0.39	0.39	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.39	0.39	0.38	0.39	0.39	0.38	0.37	0.37	0.37
110	0.64	0.63	0.63	0.63	0.62	0.62	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.63	0.63	0.63	0.62	0.62	0.61
115	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.97	0.97	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96
120	1.39	1.39	1.38	1.38	1.37	1.37	1.37	1.37	1.37	1.38	1.38	1.39	1.39	1.39	1.38	1.38	1.37	1.37	1.37
125	1.86	1.85	1.84	1.84	1.84	1.83	1.83	1.83	1.84	1.84	1.84	1.85	1.86	1.85	1.84	1.84	1.84	1.83	1.83
130	2.41	2.40	2.40	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.40	2.40	2.41	2.40	2.40	2.39	2.39	2.39	2.39
135	3.03	3.03	3.02	3.02	3.01	3.01	3.01	3.01	3.01	3.02	3.02	3.03	3.03	3.03	3.02	3.02	3.01	3.01	3.01
140	3.68	3.68	3.68	3.67	3.66	3.67	3.67	3.67	3.66	3.67	3.68	3.68	3.68	3.68	3.68	3.67	3.66	3.67	3.67
145	4.35	4.35	4.35	4.35	4.34	4.34	4.34	4.34	4.34	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.34	4.34	4.34
150	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
155	5.58	5.56	5.56	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.56	5.56	5.58	5.56	5.56	5.57	5.57	5.57	5.57
160	6.14	6.13	6.12	6.13	6.14	6.14	6.13	6.14	6.14	6.13	6.12	6.13	6.14	6.13	6.12	6.13	6.14	6.14	6.13
165	6.68	6.65	6.65	6.66	6.67	6.68	6.68	6.68	6.67	6.66	6.65	6.65	6.68	6.65	6.65	6.66	6.67	6.68	6.68
170	7.15	7.12	7.12	7.13	7.14	7.13	7.13	7.13	7.14	7.13	7.12	7.12	7.15	7.12	7.12	7.13	7.14	7.13	7.13
175	7.50	7.47	7.47	7.48	7.49	7.48	7.48	7.48	7.49	7.48	7.47	7.47	7.50	7.47	7.47	7.48	7.49	7.48	7.48
180	7.69	7.66	7.67	7.66	7.66	7.66	7.67	7.66	7.66	7.66	7.67	7.66	7.69	7.66	7.67	7.66	7.66	7.66	7.67

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-07-06

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	1066	1066	1066	1066	1066														
5	1091	1093	1095	1095	1096														
10	1122	1121	1117	1115	1116														
15	1076	1075	1082	1087	1087														
20	1053	1044	1059	1065	1059														
25	966	948	960	968	957														
30	720	723	732	734	723														
35	502	515	502	531	537														
40	297	285	288	318	291														
45	156	151	153	158	149														
50	74.1	73.2	74.7	72.4	68.9														
55	25.7	25.6	25.4	26.6	24.3														
60	10.7	10.9	10.7	10.9	10.5														
65	5.96	6.11	6.06	6.04	6.02														
70	3.92	3.96	3.98	4.03	3.99														
75	2.80	2.80	2.83	2.83	2.80														
80	1.71	1.73	1.72	1.75	1.73														
85	0.62	0.62	0.63	0.65	0.64														
90	0.06	0.06	0.06	0.06	0.06														
95	0.12	0.11	0.11	0.11	0.11														
100	0.21	0.20	0.21	0.21	0.21														
105	0.37	0.37	0.38	0.39	0.39														
110	0.62	0.62	0.63	0.63	0.63														
115	0.96	0.96	0.97	0.97	0.98														
120	1.37	1.37	1.38	1.38	1.39														
125	1.83	1.84	1.84	1.84	1.85														
130	2.39	2.39	2.39	2.40	2.40														
135	3.01	3.01	3.02	3.02	3.03														
140	3.67	3.66	3.67	3.68	3.68														
145	4.34	4.34	4.35	4.35	4.35														
150	5.00	5.00	5.00	5.00	5.00														
155	5.57	5.57	5.57	5.56	5.56														
160	6.14	6.14	6.13	6.12	6.13														
165	6.68	6.67	6.66	6.65	6.65														
170	7.13	7.14	7.13	7.12	7.12														
175	7.48	7.49	7.48	7.47	7.47														
180	7.66	7.66	7.66	7.67	7.66														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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	10703	10663	10658	10660	10655	10659	10655	10659	10655	10660
3.0	10827	10786	10784	10771	10760	10750	10747	10750	10760	10771
6.0	11099	11046	11031	11039	11024	11006	11008	11006	11024	11039
9.0	11221	11175	11170	11183	11210	11214	11198	11214	11210	11183
12.0	11071	11057	11058	11059	11100	11097	11068	11097	11100	11059
15.0	10857	10865	10871	10824	10749	10765	10737	10765	10749	10824
18.0	10694	10652	10729	10675	10543	10573	10632	10573	10543	10675
21.0	10489	10531	10584	10505	10366	10482	10564	10482	10366	10505
24.0	9908	9934	10029	9926	9814	9995	10192	9995	9814	9926
27.0	8865	8688	8812	8752	8662	8778	8887	8778	8662	8752
30.0	7506	7226	7339	7317	7225	7203	7310	7203	7225	7317
33.0	6065	6086	6075	5921	5924	5835	5994	5835	5924	5921
36.0	4627	4973	4916	4579	4684	4585	4824	4585	4684	4579
39.0	3225	3425	3647	3284	3280	3363	3385	3363	3280	3284
42.0	2139	2166	2365	2207	2191	2287	2269	2287	2191	2207
45.0	1457	1487	1580	1527	1513	1562	1582	1562	1513	1527
48.0	944.1	960.2	1041	1010	988.1	1026	1078	1026	988.1	1010
51.0	599.3	579.6	597.5	631.6	618.6	625.0	657.1	625.0	618.6	631.6
54.0	324.8	303.6	337.8	321.8	324.9	324.6	343.2	324.6	321.8	324.9
57.0	174.5	169.2	174.9	175.0	175.1	178.7	170.1	178.7	175.1	175.0
60.0	109.8	104.9	108.6	107.4	109.4	106.9	109.3	106.9	109.4	107.4
63.0	75.31	72.99	75.11	74.12	74.48	72.99	73.88	72.99	74.48	74.12
66.0	55.92	54.89	54.99	55.20	55.57	54.31	54.63	54.31	55.57	55.20
69.0	43.05	42.77	43.07	42.62	42.27	41.92	42.68	41.92	42.27	42.62
72.0	34.93	34.62	34.79	34.50	34.52	34.13	34.43	34.13	34.52	34.50
75.0	28.14	28.04	28.33	28.32	28.01	28.03	28.36	28.03	28.01	28.32
78.0	21.75	21.36	21.58	21.28	21.28	21.19	21.78	21.19	21.28	21.28
81.0	15.44	15.23	15.45	15.03	15.10	14.77	14.98	14.77	15.10	15.03
84.0	8.851	8.951	9.327	8.827	8.892	8.959	9.142	8.959	8.892	8.827
87.0	2.581	2.451	2.474	2.413	2.385	2.493	2.362	2.493	2.385	2.413
90.0	0.6389	0.6377	0.6296	0.6333	0.6313	0.6280	0.6314	0.6280	0.6313	0.6333
93.0	0.8730	0.9000	0.8828	0.8981	0.8825	0.9023	0.8899	0.9023	0.8825	0.8981
96.0	1.262	1.292	1.290	1.285	1.268	1.297	1.291	1.297	1.268	1.285
99.0	1.779	1.849	1.863	1.824	1.795	1.836	1.828	1.836	1.795	1.824
102.0	2.586	2.749	2.750	2.664	2.589	2.635	2.628	2.635	2.589	2.664
105.0	3.757	3.933	3.876	3.801	3.730	3.739	3.748	3.739	3.730	3.801
108.0	5.217	5.287	5.196	5.170	5.114	5.114	5.091	5.114	5.114	5.170
111.0	6.967	6.946	6.878	6.855	6.781	6.751	6.730	6.751	6.781	6.855
114.0	9.007	9.008	8.945	8.921	8.833	8.805	8.801	8.805	8.833	8.921
117.0	11.38	11.35	11.30	11.27	11.23	11.20	11.21	11.20	11.23	11.27
120.0	13.91	13.86	13.81	13.77	13.73	13.71	13.69	13.71	13.73	13.77
123.0	16.61	16.57	16.50	16.44	16.42	16.36	16.34	16.36	16.42	16.44
126.0	19.62	19.56	19.46	19.41	19.39	19.35	19.29	19.35	19.39	19.41
129.0	22.92	22.87	22.79	22.76	22.72	22.70	22.67	22.70	22.72	22.76
132.0	26.57	26.49	26.43	26.40	26.34	26.35	26.33	26.35	26.34	26.40
135.0	30.33	30.26	30.22	30.19	30.12	30.14	30.15	30.14	30.12	30.19
138.0	34.19	34.14	34.11	34.09	33.99	34.01	34.03	34.01	33.99	34.09
141.0	38.16	38.10	38.10	38.08	37.95	37.99	37.99	37.99	37.95	38.08
144.0	42.18	42.12	42.15	42.15	42.02	42.08	42.03	42.08	42.02	42.15
147.0	46.20	46.13	46.19	46.19	46.12	46.15	46.09	46.15	46.12	46.19
150.0	50.00	49.97	50.02	50.04	50.02	50.05	50.03	50.05	50.02	50.04
153.0	53.47	53.37	53.42	53.44	53.47	53.51	53.49	53.51	53.47	53.44
156.0	56.91	56.73	56.76	56.79	56.85	56.83	56.79	56.83	56.79	56.76
159.0	60.32	60.14	60.12	60.17	60.25	60.20	60.16	60.20	60.25	60.17
162.0	63.69	63.50	63.48	63.50	63.64	63.67	63.64	63.67	63.64	63.50
165.0	66.78	66.48	66.48	66.56	66.74	66.77	66.79	66.77	66.74	66.56
168.0	69.78	69.42	69.43	69.54	69.71	69.71	69.67	69.71	69.54	69.42
171.0	72.20	71.87	71.89	72.01	72.16	72.04	71.99	72.04	72.16	72.01
174.0	74.32	74.03	74.04	74.11	74.22	74.15	74.11	74.15	74.22	74.11
177.0	75.88	75.64	75.69	75.66	75.69	75.70	75.69	75.70	75.69	75.66
180.0	76.89	76.62	76.70	76.60	76.55	76.63	76.66	76.63	76.55	76.60
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	10658	10663	10703	10663	10658	10660	10655	10659	10655	10659
3.0	10784	10786	10827	10786	10784	10771	10760	10750	10747	10750
6.0	11031	11046	11099	11046	11031	11039	11024	11006	11008	11006
9.0	11170	11175	11221	11175	11170	11183	11210	11214	11198	11214
12.0	11058	11057	11071	11057	11058	11059	11100	11097	11068	11097
15.0	10871	10865	10857	10865	10871	10824	10749	10765	10737	10765
18.0	10729	10652	10694	10652	10729	10675	10543	10573	10632	10573
21.0	10584	10531	10489	10531	10584	10505	10366	10482	10564	10482
24.0	10029	9934	9908	9934	10029	9926	9814	9995	10192	9995
27.0	8812	8688	8865	8688	8812	8752	8662	8778	8887	8778
30.0	7339	7226	7506	7226	7339	7317	7225	7203	7310	7203

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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	6075	6086	6065	6086	6075	5921	5924	5835	5994	5835
36.0	4916	4973	4627	4973	4916	4579	4684	4585	4824	4585
39.0	3647	3425	3225	3425	3647	3284	3280	3363	3385	3363
42.0	2365	2166	2139	2166	2365	2207	2191	2287	2269	2287
45.0	1580	1487	1457	1487	1580	1527	1513	1562	1582	1562
48.0	1041	960.2	944.1	960.2	1041	1010	988.1	1026	1078	1026
51.0	597.5	579.6	599.3	579.6	597.5	631.6	618.6	625.0	657.1	625.0
54.0	337.8	303.6	324.8	303.6	337.8	321.8	324.9	324.6	343.2	324.6
57.0	174.9	169.2	174.5	169.2	174.9	175.0	175.1	178.7	170.1	178.7
60.0	108.6	104.9	109.8	104.9	108.6	107.4	109.4	106.9	109.3	106.9
63.0	75.11	72.99	75.31	72.99	75.11	74.12	74.48	72.99	73.88	72.99
66.0	54.99	54.89	55.92	54.89	54.99	55.20	55.57	54.31	54.63	54.31
69.0	43.07	42.77	43.05	42.77	43.07	42.62	42.27	41.92	42.68	41.92
72.0	34.79	34.62	34.93	34.62	34.79	34.50	34.52	34.13	34.43	34.13
75.0	28.33	28.04	28.14	28.04	28.33	28.32	28.01	28.03	28.36	28.03
78.0	21.58	21.36	21.75	21.36	21.58	21.28	21.28	21.19	21.78	21.19
81.0	15.45	15.23	15.44	15.23	15.45	15.03	15.10	14.77	14.98	14.77
84.0	9.327	8.951	8.851	8.951	9.327	8.827	8.892	8.959	9.142	8.959
87.0	2.474	2.451	2.581	2.451	2.474	2.413	2.385	2.493	2.362	2.493
90.0	0.6296	0.6377	0.6389	0.6377	0.6296	0.6333	0.6313	0.6280	0.6314	0.6280
93.0	0.8828	0.9000	0.8730	0.9000	0.8828	0.8981	0.8825	0.9023	0.8899	0.9023
96.0	1.290	1.292	1.262	1.292	1.290	1.285	1.268	1.297	1.291	1.297
99.0	1.863	1.849	1.779	1.849	1.863	1.824	1.795	1.836	1.828	1.836
102.0	2.750	2.749	2.586	2.749	2.750	2.664	2.589	2.635	2.628	2.635
105.0	3.876	3.933	3.757	3.933	3.876	3.801	3.730	3.739	3.748	3.739
108.0	5.196	5.287	5.217	5.287	5.196	5.170	5.114	5.114	5.091	5.114
111.0	6.878	6.946	6.967	6.946	6.878	6.855	6.781	6.751	6.730	6.751
114.0	8.945	9.008	9.007	9.008	8.945	8.921	8.833	8.805	8.801	8.805
117.0	11.30	11.35	11.38	11.35	11.30	11.27	11.23	11.20	11.21	11.20
120.0	13.81	13.86	13.91	13.86	13.81	13.77	13.73	13.71	13.69	13.71
123.0	16.50	16.57	16.61	16.57	16.50	16.44	16.42	16.36	16.34	16.36
126.0	19.46	19.56	19.62	19.56	19.46	19.41	19.39	19.35	19.29	19.35
129.0	22.79	22.87	22.92	22.87	22.79	22.76	22.72	22.70	22.67	22.70
132.0	26.43	26.49	26.57	26.49	26.43	26.40	26.34	26.35	26.33	26.35
135.0	30.22	30.26	30.33	30.26	30.22	30.19	30.12	30.14	30.15	30.14
138.0	34.11	34.14	34.19	34.14	34.11	34.09	33.99	34.01	34.03	34.01
141.0	38.10	38.10	38.16	38.10	38.10	38.08	37.95	37.99	37.99	37.99
144.0	42.15	42.12	42.18	42.12	42.15	42.15	42.02	42.08	42.03	42.08
147.0	46.19	46.13	46.20	46.13	46.19	46.19	46.12	46.15	46.09	46.15
150.0	50.02	49.97	50.00	49.97	50.02	50.04	50.02	50.05	50.03	50.05
153.0	53.42	53.37	53.47	53.37	53.42	53.44	53.47	53.51	53.49	53.51
156.0	56.76	56.73	56.91	56.73	56.76	56.79	56.85	56.83	56.79	56.83
159.0	60.12	60.14	60.32	60.14	60.12	60.17	60.25	60.20	60.16	60.20
162.0	63.48	63.50	63.69	63.50	63.48	63.50	63.64	63.67	63.64	63.67
165.0	66.48	66.48	66.78	66.48	66.48	66.56	66.74	66.77	66.79	66.77
168.0	69.43	69.42	69.78	69.42	69.43	69.54	69.71	69.71	69.67	69.71
171.0	71.89	71.87	72.20	71.87	71.89	72.01	72.16	72.04	71.99	72.04
174.0	74.04	74.03	74.32	74.03	74.04	74.11	74.22	74.15	74.11	74.15
177.0	75.69	75.64	75.88	75.64	75.69	75.66	75.69	75.70	75.69	75.70
180.0	76.70	76.62	76.89	76.62	76.70	76.60	76.55	76.63	76.66	76.63
G/C	300.0	315.0	330.0	345.0						
0.0	10655	10660	10658	10663						
3.0	10760	10771	10784	10786						
6.0	11024	11039	11031	11046						
9.0	11210	11183	11170	11175						
12.0	11100	11059	11058	11057						
15.0	10749	10824	10871	10865						
18.0	10543	10675	10729	10652						
21.0	10366	10505	10584	10531						
24.0	9814	9926	10029	9934						
27.0	8662	8752	8812	8688						
30.0	7225	7317	7339	7226						
33.0	5924	5921	6075	6086						
36.0	4684	4579	4916	4973						
39.0	3280	3284	3647	3425						
42.0	2191	2207	2365	2166						
45.0	1513	1527	1580	1487						
48.0	988.1	1010	1041	960.2						
51.0	618.6	631.6	597.5	579.6						
54.0	324.9	321.8	337.8	303.6						
57.0	175.1	175.0	174.9	169.2						
60.0	109.4	107.4	108.6	104.9						
63.0	74.48	74.12	75.11	72.99						
66.0	55.57	55.20	54.99	54.89						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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	42.27	42.62	43.07	42.77
72.0	34.52	34.50	34.79	34.62
75.0	28.01	28.32	28.33	28.04
78.0	21.28	21.28	21.58	21.36
81.0	15.10	15.03	15.45	15.23
84.0	8.892	8.827	9.327	8.951
87.0	2.385	2.413	2.474	2.451
90.0	0.6313	0.6333	0.6296	0.6377
93.0	0.8825	0.8981	0.8828	0.9000
96.0	1.268	1.285	1.290	1.292
99.0	1.795	1.824	1.863	1.849
102.0	2.589	2.664	2.750	2.749
105.0	3.730	3.801	3.876	3.933
108.0	5.114	5.170	5.196	5.287
111.0	6.781	6.855	6.878	6.946
114.0	8.833	8.921	8.945	9.008
117.0	11.23	11.27	11.30	11.35
120.0	13.73	13.77	13.81	13.86
123.0	16.42	16.44	16.50	16.57
126.0	19.39	19.41	19.46	19.56
129.0	22.72	22.76	22.79	22.87
132.0	26.34	26.40	26.43	26.49
135.0	30.12	30.19	30.22	30.26
138.0	33.99	34.09	34.11	34.14
141.0	37.95	38.08	38.10	38.10
144.0	42.02	42.15	42.15	42.12
147.0	46.12	46.19	46.19	46.13
150.0	50.02	50.04	50.02	49.97
153.0	53.47	53.44	53.42	53.37
156.0	56.85	56.79	56.76	56.73
159.0	60.25	60.17	60.12	60.14
162.0	63.64	63.50	63.48	63.50
165.0	66.74	66.56	66.48	66.48
168.0	69.71	69.54	69.43	69.42
171.0	72.16	72.01	71.89	71.87
174.0	74.22	74.11	74.04	74.03
177.0	75.69	75.66	75.69	75.64
180.0	76.55	76.60	76.70	76.62

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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: