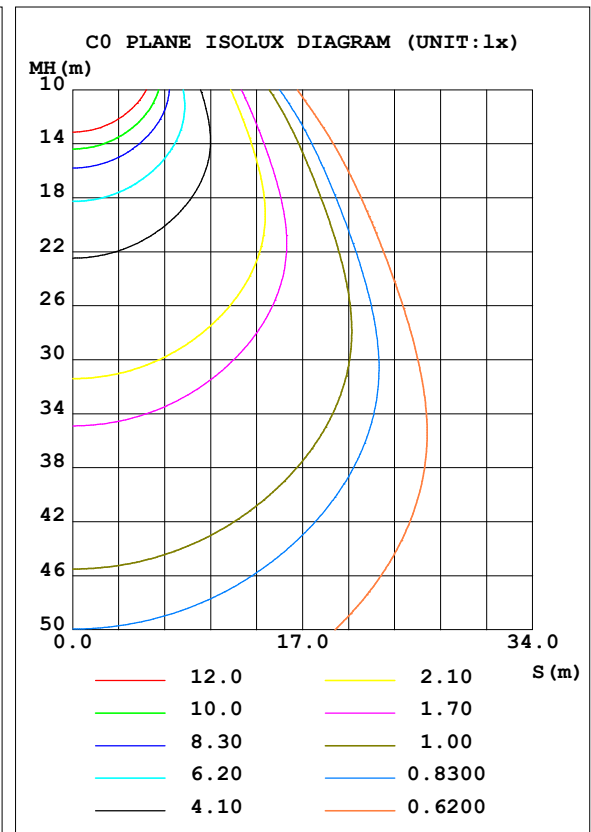
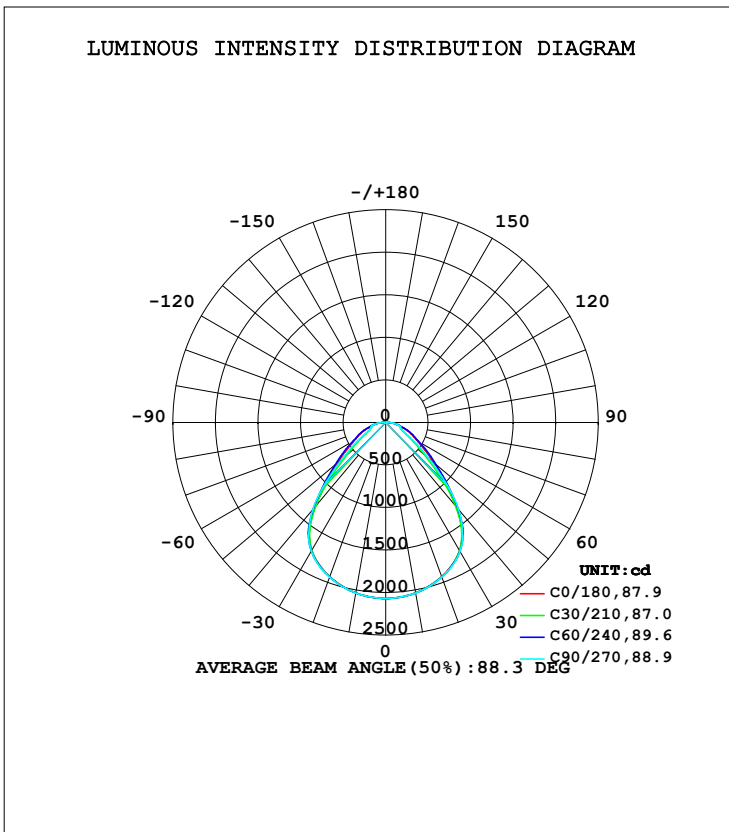


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.4V I:0.1612A P:36.12W PF:0.9725 Freq:49.99Hz Lamp Flux:4389.92x1 lm		
NAME: P30-36W-0606-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.54 lm/W			
MODEL		I _{max} (cd)	2068	S/MH (C0/180)	1.24
NOMINAL POWER (W)	36	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	4389.9	η UP, DN (C0-180)	0.4, 49.6
NOMINAL FLUX (lm)	4389.92	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 49.6
LAMPS INSIDE	1	η up (%)	0.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	99.1	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [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	2034	2035	2035	2035	2034	2035	2035	2035	0- 10	195.8	195.8	4.46,4.46
20	1928	1931	1934	1931	1928	1931	1934	1931	10- 20	562.1	758.0	17.3,17.3
30	1737	1743	1749	1743	1737	1743	1749	1743	20- 30	852.3	1610	36.7,36.7
40	1287	1300	1332	1300	1287	1300	1332	1300	30- 40	972.0	2582	58.8,58.8
50	740.7	671.2	668.0	671.2	740.7	671.2	668.0	671.2	40- 50	755.1	3337	76,76
60	428.5	341.5	301.1	341.5	428.5	341.5	301.1	341.5	50- 60	448.7	3786	86.2,86.2
70	257.2	250.8	183.3	250.8	257.2	250.8	183.3	250.8	60- 70	287.2	4073	92.8,92.8
80	137.8	135.5	126.8	135.5	137.8	135.5	126.8	135.5	70- 80	202.6	4276	97.4,97.4
90	2.706	2.742	1.950	2.742	2.706	2.742	1.950	2.742	80- 90	75.68	4352	99.1,99.1
100	2.318	2.349	2.405	2.349	2.318	2.349	2.405	2.349	90-100	2.066	4354	99.2,99.2
110	3.602	3.687	3.759	3.687	3.602	3.687	3.759	3.687	100-110	3.158	4357	99.2,99.2
120	5.326	5.393	5.480	5.393	5.326	5.393	5.480	5.393	110-120	4.464	4361	99.3,99.3
130	7.255	7.273	7.329	7.273	7.255	7.273	7.329	7.273	120-130	5.670	4367	99.5,99.5
140	9.031	9.016	9.030	9.016	9.031	9.016	9.030	9.016	130-140	6.307	4373	99.6,99.6
150	10.75	10.75	10.71	10.75	10.75	10.75	10.71	10.75	140-150	6.173	4379	99.8,99.8
160	12.61	12.51	12.48	12.51	12.61	12.51	12.48	12.51	150-160	5.368	4385	99.9,99.9
170	14.08	14.01	13.87	14.01	14.08	14.01	13.87	14.01	160-170	3.746	4389	100,100
180	14.70	14.66	14.50	14.66	14.70	14.66	14.50	14.66	170-180	1.364	4390	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3004.1 lm

%lum = 68.4%
%lamp = 68.4%

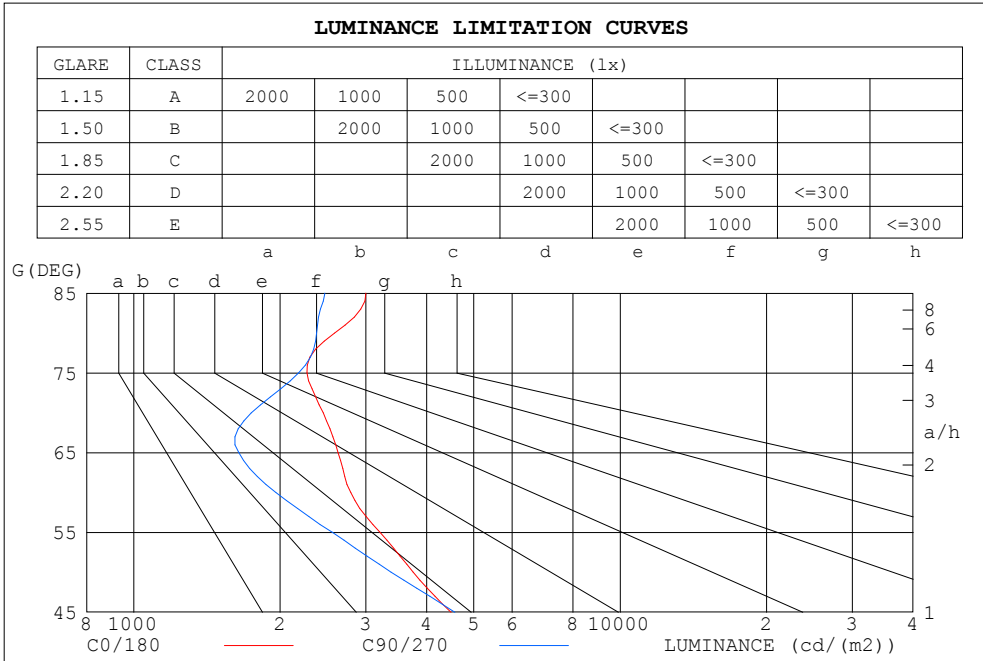
Conical surface Flux(120deg): 3786.1 lm

%lum = 86.2%
%lamp = 86.2%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.530m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES



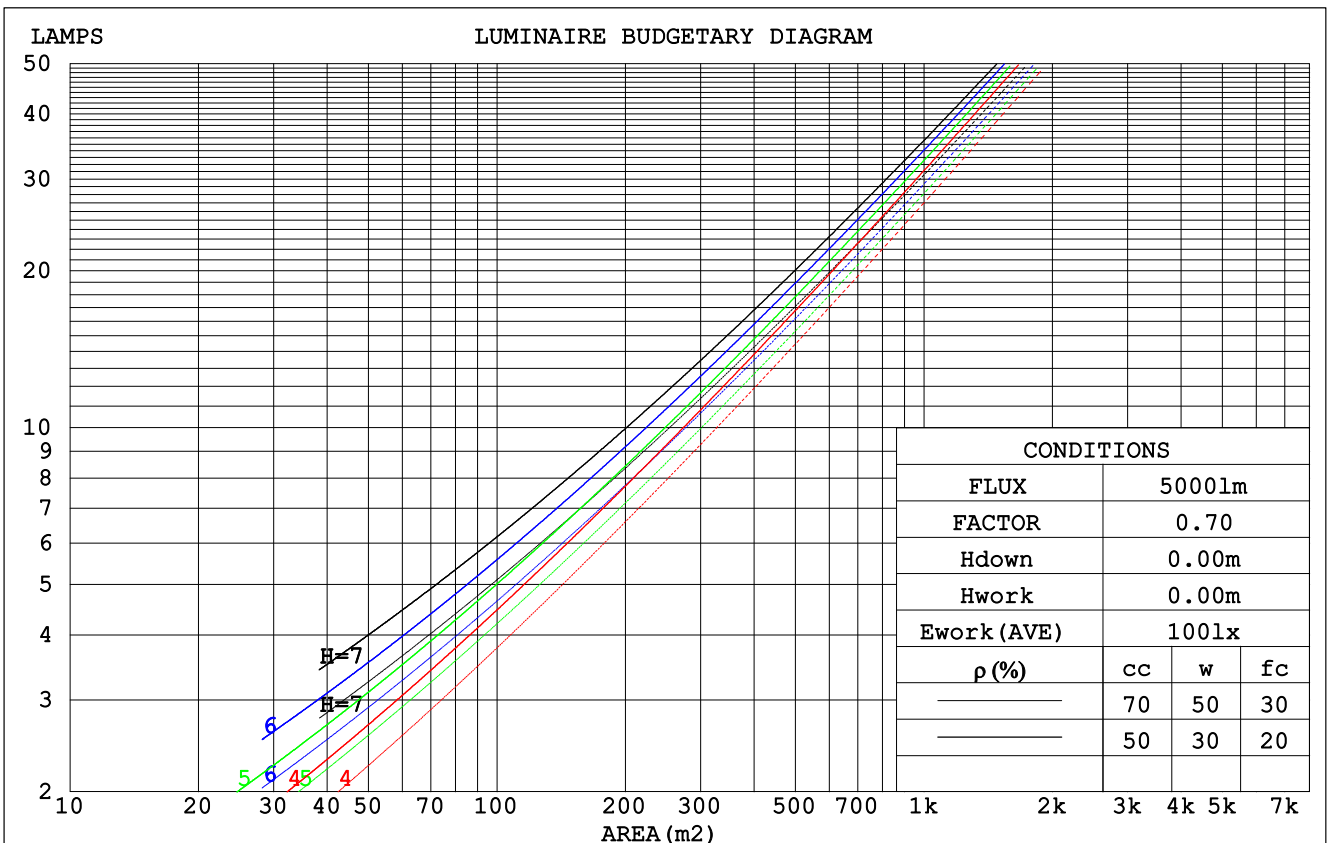
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3002	2472
80	2588	2377
75	2271	2184
70	2451	1745
65	2631	1644
60	2794	1961
55	3208	2561
50	3757	3384
45	4490	4575

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.06	1.02	.99	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.91	.90	.88	.86
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.84	.77	.71	.83	.76	.71	.80	.74	.69	.77	.72	.68	.74	.70	.67	.65
4.0	.76	.68	.62	.75	.67	.62	.72	.66	.61	.70	.64	.60	.68	.63	.59	.57
5.0	.69	.61	.55	.68	.60	.54	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.57	.51	.47	.45
7.0	.57	.49	.44	.57	.49	.44	.55	.48	.43	.54	.47	.43	.52	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.39	.51	.44	.39	.49	.43	.39	.48	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.31



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [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	.271	.154	.049	.264	.150	.048	.250	.143	.046	.238	.137	.044	.226	.131	.042	
2.0	.254	.139	.043	.248	.137	.042	.236	.131	.041	.225	.126	.040	.215	.122	.038	
3.0	.237	.126	.038	.232	.124	.037	.221	.120	.036	.212	.116	.036	.203	.112	.035	
4.0	.221	.115	.034	.216	.113	.033	.207	.110	.033	.198	.106	.032	.190	.103	.031	
5.0	.206	.105	.030	.202	.104	.030	.194	.101	.030	.186	.098	.029	.179	.096	.029	
6.0	.193	.097	.028	.189	.095	.027	.182	.093	.027	.175	.091	.027	.169	.089	.026	
7.0	.181	.090	.025	.178	.088	.025	.171	.087	.025	.165	.085	.025	.159	.083	.024	
8.0	.170	.083	.023	.167	.082	.023	.162	.081	.023	.156	.079	.023	.151	.077	.023	
9.0	.161	.078	.022	.158	.077	.022	.153	.076	.021	.148	.074	.021	.143	.073	.021	
10.0	.152	.073	.020	.150	.072	.020	.145	.071	.020	.140	.070	.020	.136	.069	.020	

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	.197	.197	.197	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.184	.163	.144	.158	.140	.124	.108	.096	.086	.062	.056	.050	.020	.018	.016	
2.0	.174	.139	.109	.149	.120	.094	.102	.083	.066	.059	.048	.039	.019	.016	.013	
3.0	.165	.121	.086	.141	.104	.074	.097	.072	.052	.056	.042	.031	.018	.014	.010	
4.0	.157	.107	.069	.134	.093	.060	.092	.065	.042	.053	.038	.025	.017	.012	.008	
5.0	.149	.096	.058	.128	.083	.050	.088	.058	.035	.051	.034	.021	.016	.011	.007	
6.0	.142	.088	.049	.122	.076	.043	.084	.053	.030	.049	.031	.018	.016	.010	.006	
7.0	.136	.081	.043	.117	.070	.037	.081	.049	.026	.047	.029	.016	.015	.009	.005	
8.0	.130	.075	.038	.112	.065	.033	.077	.046	.023	.045	.027	.014	.015	.009	.005	
9.0	.124	.070	.034	.107	.061	.029	.074	.043	.021	.043	.025	.012	.014	.008	.004	
10.0	.119	.066	.031	.102	.057	.027	.071	.040	.019	.041	.024	.011	.013	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [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	10.3	11.7	10.6	11.9	12.1	10.8	12.2	11.1	12.4	12.6
3H	11.5	12.7	11.8	13.0	13.2	11.7	12.9	12.0	13.1	13.4
4H	12.1	13.3	12.4	13.5	13.8	12.2	13.4	12.5	13.6	13.9
6H	12.7	13.8	13.0	14.0	14.3	12.7	13.8	13.0	14.1	14.4
8H	12.9	14.0	13.3	14.3	14.6	12.9	14.0	13.3	14.3	14.6
12H	13.2	14.2	13.5	14.5	14.8	13.1	14.1	13.4	14.4	14.7
4H 2H	10.6	11.8	10.9	12.0	12.3	11.1	12.2	11.4	12.5	12.8
3H	12.0	13.0	12.3	13.3	13.6	12.3	13.3	12.6	13.6	13.9
4H	12.8	13.7	13.2	14.0	14.4	13.0	13.9	13.4	14.3	14.6
6H	13.6	14.4	14.0	14.8	15.1	13.7	14.5	14.1	14.9	15.3
8H	14.0	14.7	14.4	15.1	15.5	14.0	14.8	14.4	15.1	15.5
12H	14.3	15.0	14.7	15.4	15.8	14.2	14.9	14.7	15.3	15.7
8H 4H	13.1	13.9	13.5	14.3	14.7	13.3	14.0	13.7	14.4	14.8
6H	14.1	14.7	14.5	15.1	15.6	14.2	14.8	14.6	15.2	15.7
8H	14.6	15.1	15.0	15.6	16.0	14.6	15.1	15.1	15.6	16.1
12H	15.0	15.5	15.5	16.0	16.5	14.9	15.4	15.4	15.9	16.4
12H 4H	13.1	13.8	13.6	14.2	14.7	13.3	14.0	13.7	14.4	14.8
6H	14.2	14.7	14.6	15.2	15.6	14.3	14.8	14.7	15.3	15.7
8H	14.7	15.2	15.2	15.7	16.2	14.7	15.2	15.2	15.7	16.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.6				
2.0H	+ 0.8 / - 0.7					+ 0.7 / - 1.0				

CIE Pub.117, 4390 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [K=1.0000]
 Remarks:

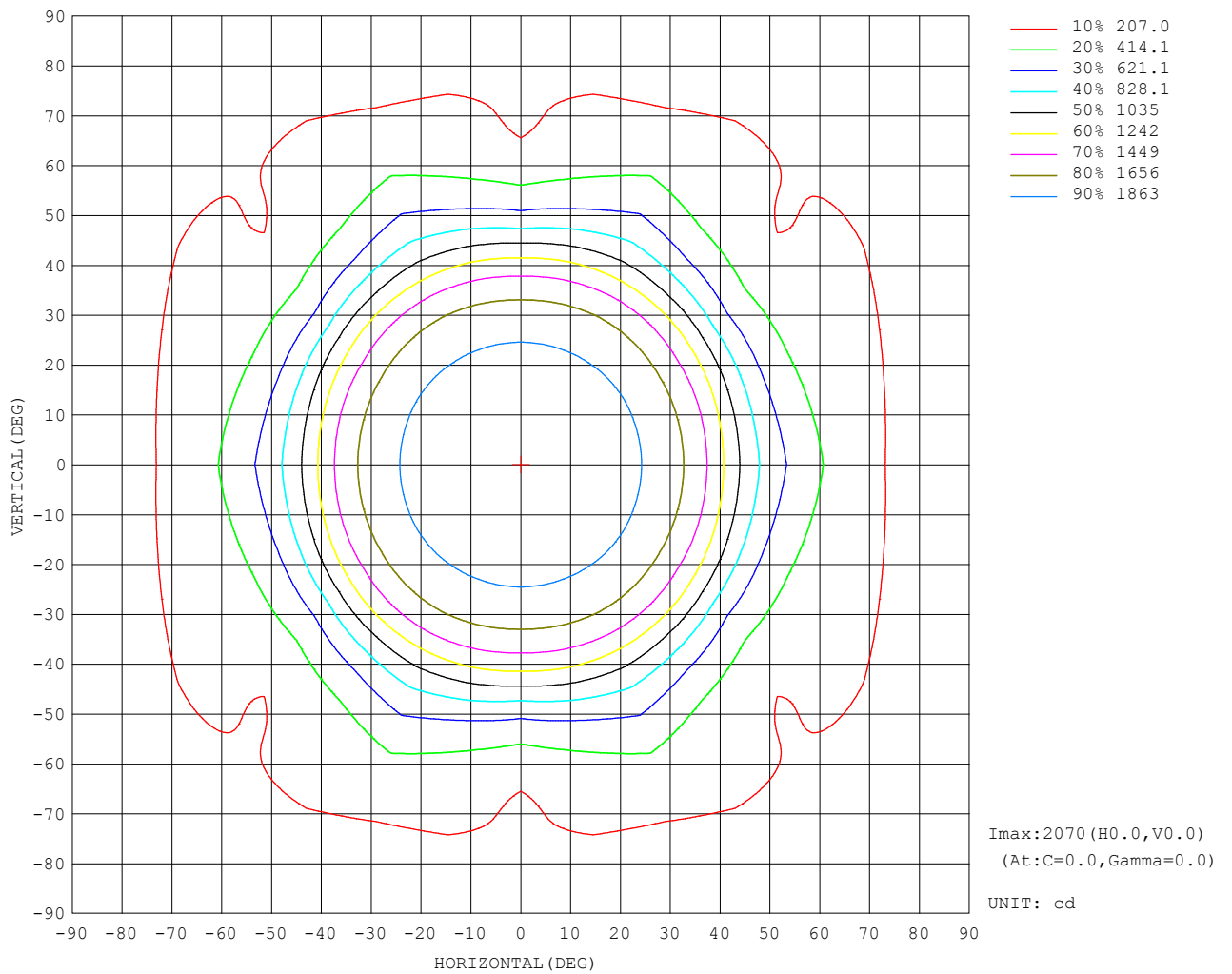
UTILIZATION FACTORS TABLE

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	66	56	50	65	56	50	64	55	50	44
0.80	76	66	59	75	65	59	73	64	59	53
1.00	83	74	68	82	73	67	80	74	67	61
1.25	89	81	75	88	80	74	85	78	73	67
1.50	94	85	80	92	85	79	89	83	78	71
2.00	99	92	87	97	91	86	94	89	84	77
2.50	102	96	91	100	94	90	97	92	88	80
3.00	105	99	95	103	98	93	99	95	91	83
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	103	108	104	101	103	100	98	89
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: 2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

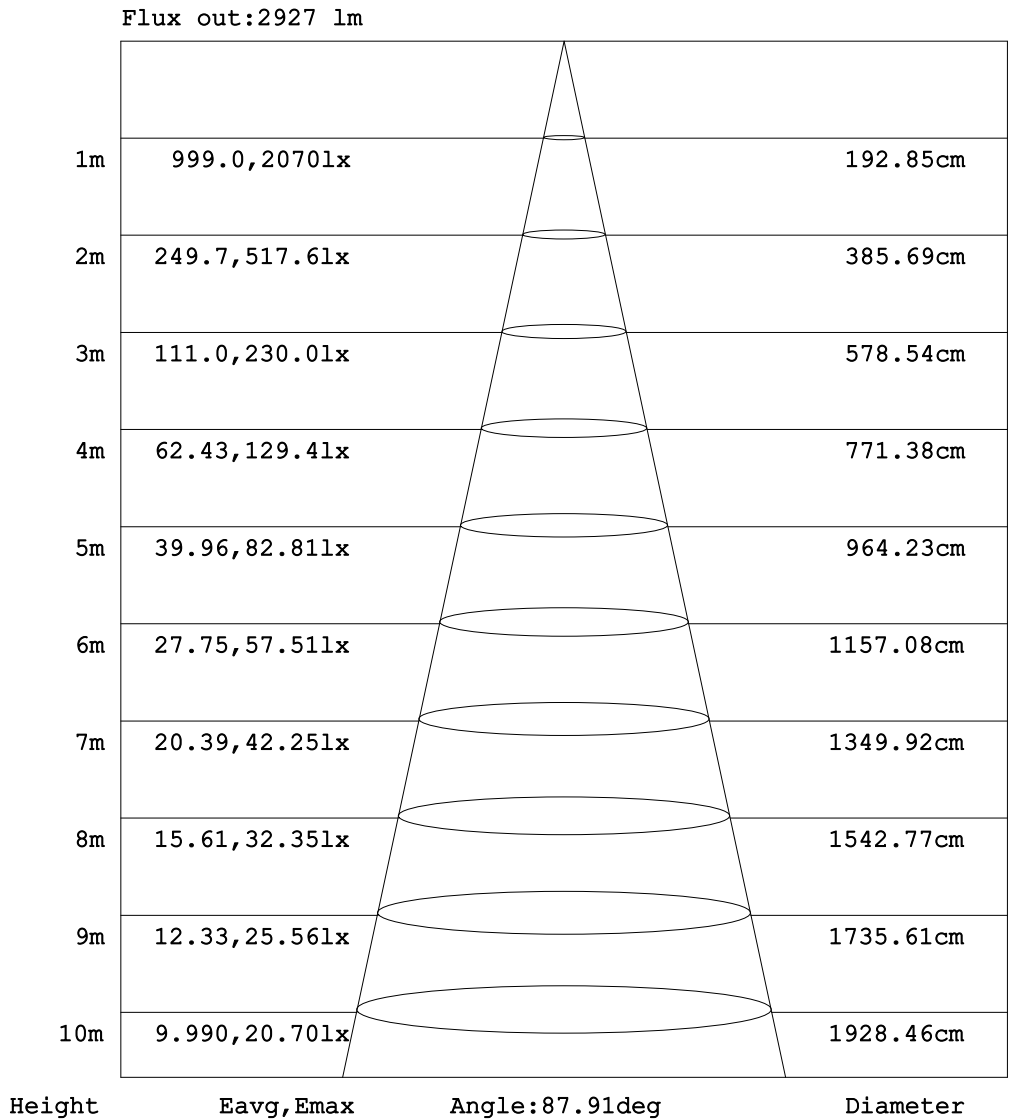
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

AAI Figure

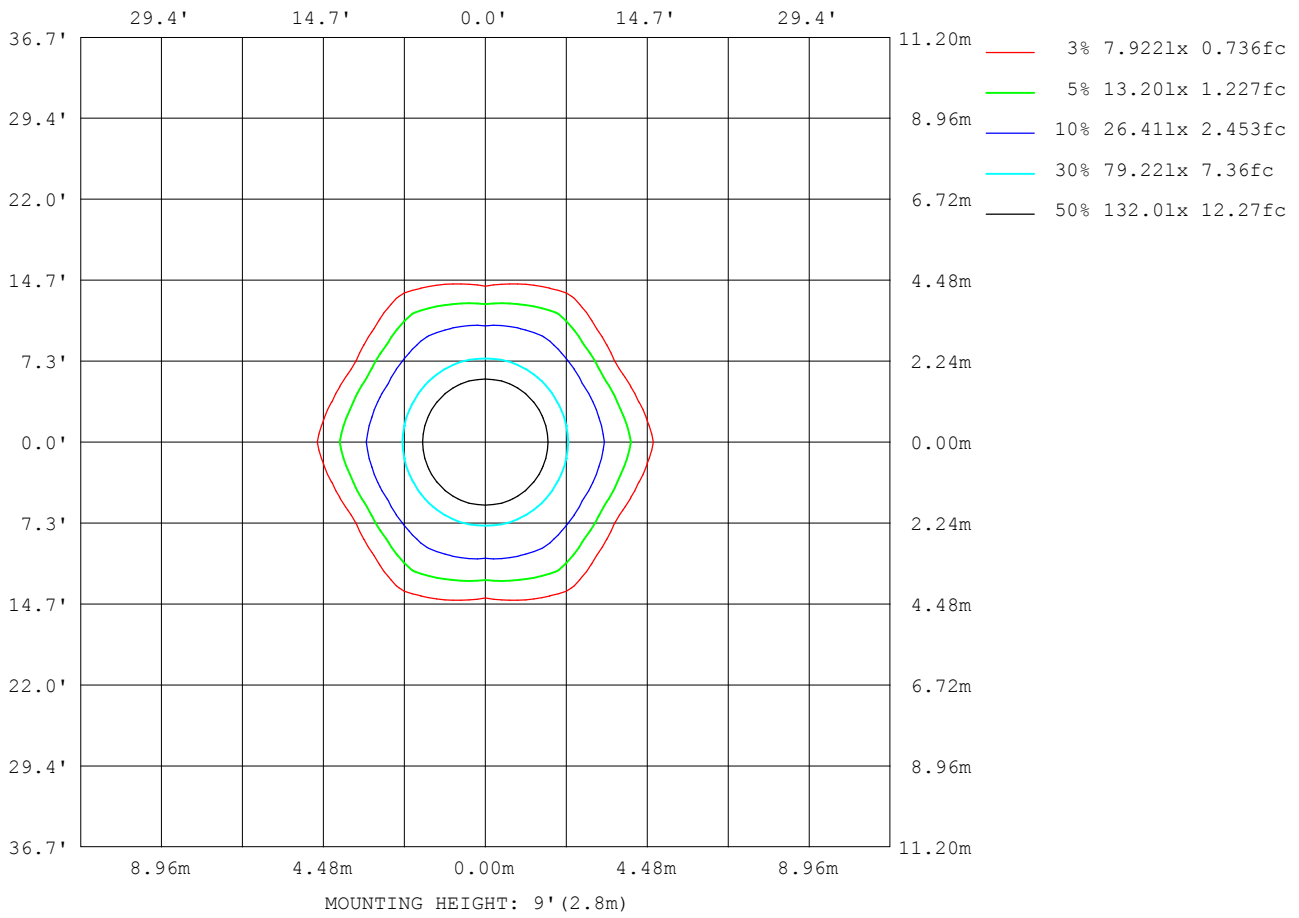


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.4V I:0.1612A P:36.12W PF:0.9725 Freq:49.99Hz Lamp Flux:4389.92x1 lm		
NAME: P30-36W-0606-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

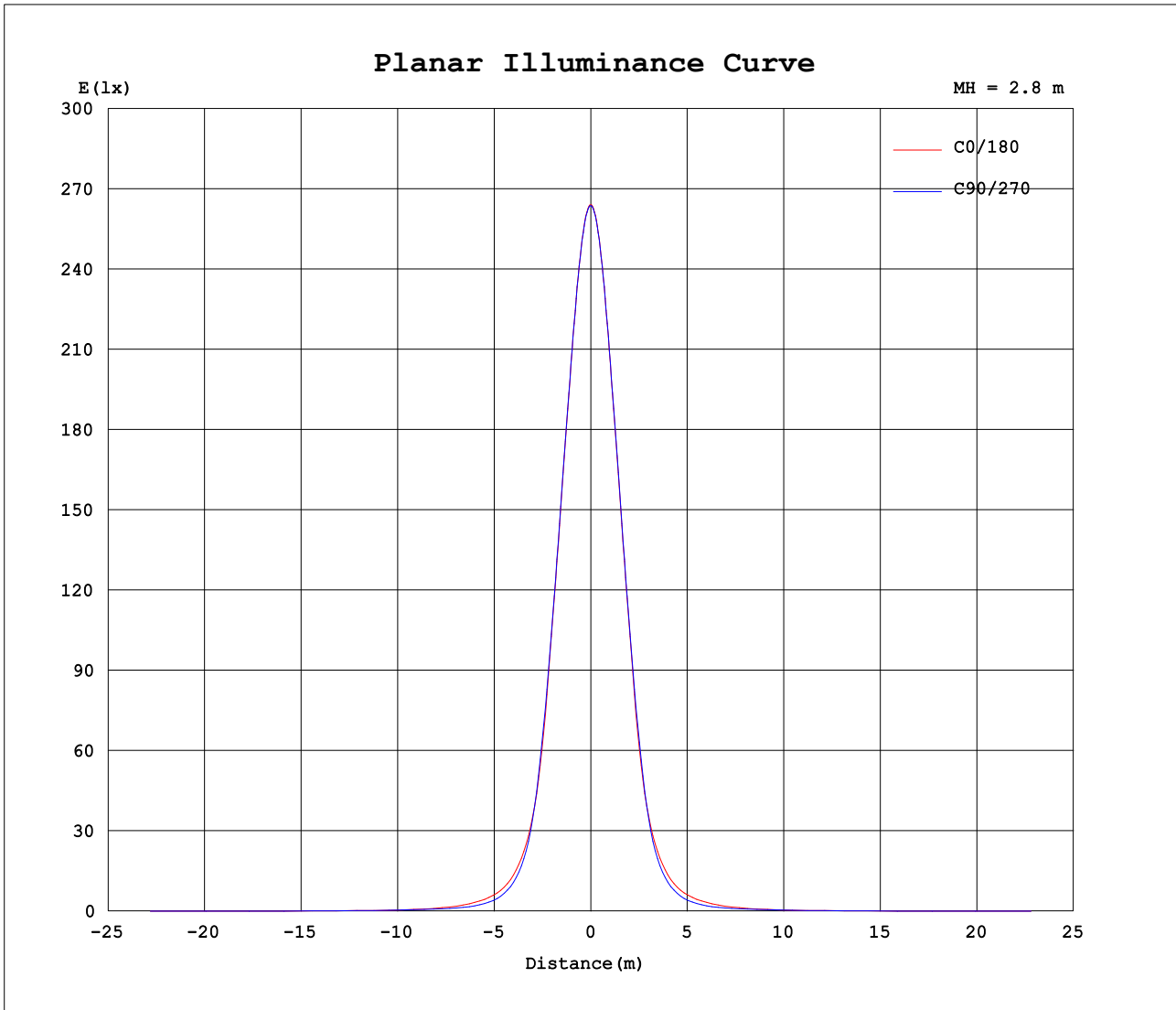
AvgL	cd/m2
L_0~180 (65) av	2629
L_0~180 (75) av	2269
L_0~180 (85) av	2999
L_90~270 (65) av	1645
L_90~270 (75) av	2185
L_90~270 (85) av	2473
L_45 (65) av	2158
L_45 (75) av	2570
L_45 (85) av	2566

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [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: 2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068
5	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060
10	2034	2034	2034	2035	2035	2035	2035	2035	2035	2035	2034	2034	2034	2034	2034	2035	2035	2035	2035
15	1990	1990	1991	1992	1992	1993	1993	1993	1992	1992	1991	1990	1990	1990	1991	1992	1992	1993	1993
20	1928	1929	1931	1931	1932	1933	1934	1933	1932	1931	1931	1929	1928	1929	1931	1931	1932	1933	1934
25	1848	1849	1851	1852	1853	1855	1856	1855	1853	1852	1851	1849	1848	1849	1851	1852	1853	1855	1856
30	1737	1737	1738	1743	1748	1750	1749	1750	1748	1743	1738	1737	1737	1737	1738	1743	1748	1750	1749
35	1567	1563	1559	1573	1587	1586	1579	1586	1587	1573	1559	1563	1567	1563	1559	1573	1587	1586	1579
40	1287	1286	1279	1300	1323	1340	1332	1340	1323	1300	1279	1286	1287	1286	1279	1300	1323	1340	1332
45	974	948	919	958	1022	1021	994	1021	1022	958	919	948	974	948	919	958	1022	1021	994
50	741	663	604	671	779	728	668	728	779	671	604	663	741	663	604	671	779	728	668
55	564	465	403	469	595	515	451	515	595	469	403	465	564	465	403	469	595	515	451
60	428	348	273	341	448	377	301	377	448	341	273	348	428	348	273	341	448	377	301
65	341	293	204	280	354	299	213	299	354	280	204	293	341	293	204	280	354	299	213
70	257	261	197	251	272	256	183	256	272	251	197	261	257	261	197	251	272	256	183
75	180	205	180	204	191	205	174	205	191	204	180	205	180	205	180	204	191	205	174
80	138	142	130	136	132	136	127	136	132	136	130	142	138	142	130	136	132	136	127
85	80.3	75.6	70.9	68.7	74.8	70.5	66.2	70.5	74.8	68.7	70.9	75.6	80.3	75.6	70.9	68.7	74.8	70.5	66.2
90	2.71	2.85	2.41	2.74	2.43	2.38	1.95	2.38	2.43	2.74	2.41	2.85	2.71	2.85	2.41	2.74	2.43	2.38	1.95
95	1.80	1.79	1.77	1.81	1.85	1.85	1.84	1.85	1.85	1.81	1.77	1.79	1.80	1.79	1.77	1.81	1.85	1.85	1.84
100	2.32	2.32	2.32	2.35	2.38	2.40	2.41	2.40	2.38	2.35	2.32	2.32	2.32	2.32	2.32	2.35	2.38	2.40	2.41
105	2.91	2.93	2.94	2.98	3.01	3.02	3.03	3.02	3.01	2.98	2.94	2.93	2.91	2.93	2.94	2.98	3.01	3.02	3.03
110	3.60	3.62	3.65	3.69	3.71	3.74	3.76	3.74	3.71	3.69	3.65	3.62	3.60	3.62	3.65	3.69	3.71	3.74	3.76
115	4.42	4.44	4.48	4.50	4.51	4.54	4.59	4.54	4.51	4.50	4.48	4.44	4.42	4.44	4.48	4.50	4.51	4.54	4.59
120	5.33	5.34	5.39	5.39	5.40	5.44	5.48	5.44	5.40	5.39	5.39	5.34	5.33	5.34	5.39	5.39	5.40	5.44	5.48
125	6.28	6.30	6.34	6.35	6.33	6.36	6.42	6.36	6.33	6.35	6.34	6.30	6.28	6.30	6.34	6.35	6.33	6.36	6.42
130	7.25	7.26	7.29	7.27	7.27	7.29	7.33	7.29	7.27	7.27	7.29	7.26	7.25	7.26	7.29	7.27	7.27	7.29	7.33
135	8.18	8.18	8.18	8.17	8.18	8.18	8.21	8.18	8.18	8.17	8.18	8.18	8.18	8.18	8.18	8.17	8.18	8.18	8.21
140	9.03	9.02	9.01	9.02	9.02	9.02	9.03	9.02	9.02	9.02	9.01	9.02	9.03	9.02	9.01	9.02	9.02	9.02	9.03
145	9.86	9.84	9.83	9.86	9.87	9.86	9.85	9.86	9.87	9.86	9.83	9.84	9.86	9.84	9.83	9.86	9.87	9.86	9.85
150	10.8	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.8	10.7	10.7
155	11.7	11.7	11.6	11.6	11.7	11.7	11.6	11.7	11.7	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.7	11.7	11.6
160	12.6	12.5	12.5	12.5	12.6	12.5	12.5	12.5	12.6	12.5	12.5	12.5	12.6	12.5	12.5	12.5	12.6	12.5	12.5
165	13.4	13.3	13.3	13.3	13.4	13.3	13.2	13.3	13.4	13.3	13.3	13.3	13.4	13.3	13.3	13.3	13.4	13.3	13.2
170	14.1	14.0	14.0	14.0	14.0	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.1	14.0	14.0	14.0	14.0	13.9	13.9
175	14.5	14.4	14.5	14.5	14.5	14.4	14.3	14.4	14.5	14.5	14.5	14.4	14.5	14.4	14.5	14.5	14.5	14.4	14.3
180	14.7	14.6	14.6	14.7	14.6	14.6	14.5	14.6	14.6	14.7	14.6	14.6	14.7	14.6	14.6	14.7	14.6	14.6	14.5

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345															
0	2068	2068	2068	2068	2068															
5	2060	2060	2060	2060	2060															
10	2035	2035	2035	2034	2034															
15	1993	1992	1992	1991	1990															
20	1933	1932	1931	1931	1929															
25	1855	1853	1852	1851	1849															
30	1750	1748	1743	1738	1737															
35	1586	1587	1573	1559	1563															
40	1340	1323	1300	1279	1286															
45	1021	1022	958	919	948															
50	728	779	671	604	663															
55	515	595	469	403	465															
60	377	448	341	273	348															
65	299	354	280	204	293															
70	256	272	251	197	261															
75	205	191	204	180	205															
80	136	132	136	130	142															
85	70.5	74.8	68.7	70.9	75.6															
90	2.38	2.43	2.74	2.41	2.85															
95	1.85	1.85	1.81	1.77	1.79															
100	2.40	2.38	2.35	2.32	2.32															
105	3.02	3.01	2.98	2.94	2.93															
110	3.74	3.71	3.69	3.65	3.62															
115	4.54	4.51	4.50	4.48	4.44															
120	5.44	5.40	5.39	5.39	5.34															
125	6.36	6.33	6.35	6.34	6.30															
130	7.29	7.27	7.27	7.29	7.26															
135	8.18	8.18	8.17	8.18	8.18															
140	9.02	9.02	9.02	9.01	9.02															
145	9.86	9.87	9.86	9.83	9.84															
150	10.7	10.8	10.7	10.7	10.7															
155	11.7	11.7	11.6	11.6	11.7															
160	12.5	12.6	12.5	12.5	12.5															
165	13.3	13.4	13.3	13.3	13.3															
170	13.9	14.0	14.0	14.0	14.0															
175	14.4	14.5	14.5	14.5	14.4															
180	14.6	14.6	14.7	14.6	14.6															

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [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	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068
3.0	2066	2065	2065	2065	2065	2066	2066	2066	2065	2065
6.0	2057	2056	2056	2056	2057	2057	2057	2057	2057	2056
9.0	2041	2041	2041	2041	2041	2042	2042	2042	2041	2041
12.0	2018	2019	2019	2020	2020	2020	2021	2020	2020	2020
15.0	1990	1990	1991	1992	1992	1993	1993	1993	1992	1992
18.0	1955	1955	1957	1958	1958	1959	1960	1959	1958	1958
21.0	1914	1915	1917	1917	1918	1919	1920	1919	1918	1917
24.0	1866	1867	1869	1870	1871	1872	1874	1872	1871	1870
27.0	1808	1809	1811	1813	1815	1817	1818	1817	1815	1813
30.0	1737	1737	1738	1743	1748	1750	1749	1750	1748	1743
33.0	1645	1643	1641	1651	1661	1662	1658	1662	1661	1651
36.0	1520	1517	1510	1527	1542	1542	1534	1542	1542	1527
39.0	1351	1350	1342	1364	1382	1395	1387	1395	1382	1364
42.0	1157	1150	1143	1163	1200	1217	1208	1217	1200	1163
45.0	973.9	948.2	919.4	957.6	1022	1021	993.5	1021	1022	957.6
48.0	823.6	769.2	712.8	776.9	866.3	838.3	784.3	838.3	866.3	776.9
51.0	703.1	616.1	557.6	623.7	739.2	678.5	617.6	678.5	739.2	623.7
54.0	597.9	497.1	439.2	502.1	630.0	550.9	488.7	550.9	630.0	502.1
57.0	501.9	409.1	343.3	410.3	530.9	453.5	383.2	453.5	530.9	410.3
60.0	428.5	348.2	273.1	341.5	448.0	377.3	301.1	377.3	448.0	341.5
63.0	374.5	309.8	224.7	298.4	385.1	323.9	241.3	323.9	385.1	298.4
66.0	324.7	286.6	198.1	273.0	338.2	288.7	201.8	288.7	338.2	273.0
69.0	273.9	268.7	195.5	256.3	289.3	264.1	185.3	264.1	289.3	256.3
72.0	224.3	242.5	195.6	236.9	238.1	239.1	181.3	239.1	238.1	236.9
75.0	180.3	204.8	180.0	204.2	191.1	204.7	173.6	204.7	191.1	204.2
78.0	150.8	166.0	152.2	163.6	151.5	163.8	149.6	163.8	151.5	163.6
81.0	130.5	130.1	117.9	122.2	123.0	123.0	114.6	123.0	123.0	122.2
84.0	95.76	90.84	84.38	82.94	89.74	84.81	78.76	84.81	89.74	82.94
87.0	46.61	44.23	40.49	38.88	41.67	39.29	36.81	39.29	41.67	38.88
90.0	2.706	2.849	2.406	2.742	2.432	2.376	1.950	2.376	2.432	2.742
93.0	1.630	1.613	1.588	1.625	1.668	1.664	1.639	1.664	1.668	1.625
96.0	1.898	1.892	1.869	1.909	1.946	1.961	1.950	1.961	1.946	1.909
99.0	2.209	2.209	2.197	2.234	2.271	2.290	2.292	2.290	2.271	2.234
102.0	2.551	2.563	2.561	2.590	2.623	2.643	2.645	2.643	2.623	2.590
105.0	2.908	2.929	2.944	2.976	3.012	3.018	3.030	3.018	3.012	2.976
108.0	3.323	3.325	3.358	3.393	3.419	3.442	3.454	3.442	3.419	3.393
111.0	3.754	3.775	3.806	3.837	3.863	3.891	3.921	3.891	3.863	3.837
114.0	4.246	4.261	4.305	4.327	4.339	4.368	4.415	4.368	4.339	4.327
117.0	4.773	4.784	4.838	4.850	4.860	4.887	4.945	4.887	4.860	4.850
120.0	5.326	5.339	5.394	5.393	5.399	5.436	5.480	5.436	5.399	5.393
123.0	5.893	5.910	5.961	5.966	5.964	5.991	6.043	5.991	5.964	5.966
126.0	6.477	6.499	6.539	6.533	6.521	6.553	6.600	6.553	6.521	6.533
129.0	7.066	7.069	7.102	7.091	7.081	7.107	7.144	7.107	7.081	7.091
132.0	7.636	7.638	7.651	7.644	7.636	7.650	7.682	7.650	7.636	7.644
135.0	8.181	8.176	8.178	8.171	8.176	8.185	8.213	8.185	8.176	8.171
138.0	8.702	8.689	8.680	8.687	8.684	8.696	8.705	8.696	8.684	8.687
141.0	9.196	9.180	9.170	9.183	9.188	9.188	9.192	9.188	9.188	9.183
144.0	9.689	9.677	9.659	9.693	9.695	9.692	9.678	9.692	9.695	9.693
147.0	10.20	10.19	10.17	10.21	10.22	10.21	10.18	10.21	10.22	10.21
150.0	10.75	10.72	10.71	10.75	10.77	10.74	10.71	10.74	10.77	10.75
153.0	11.33	11.29	11.26	11.28	11.33	11.30	11.26	11.30	11.33	11.28
156.0	11.93	11.86	11.82	11.82	11.87	11.84	11.81	11.84	11.87	11.82
159.0	12.46	12.38	12.34	12.35	12.39	12.35	12.31	12.35	12.39	12.35
162.0	12.94	12.86	12.83	12.84	12.88	12.84	12.79	12.84	12.88	12.84
165.0	13.41	13.32	13.29	13.32	13.35	13.29	13.22	13.29	13.35	13.32
168.0	13.83	13.74	13.72	13.75	13.76	13.69	13.63	13.69	13.76	13.75
171.0	14.20	14.10	14.09	14.12	14.12	14.05	13.99	14.05	14.12	14.12
174.0	14.47	14.39	14.38	14.41	14.39	14.31	14.27	14.31	14.39	14.41
177.0	14.63	14.56	14.55	14.59	14.54	14.49	14.42	14.49	14.54	14.59
180.0	14.70	14.61	14.61	14.66	14.61	14.56	14.50	14.56	14.61	14.66
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2068	2068	2068	2068	2068	2068	2068	2068	2068	2068
3.0	2065	2065	2066	2065	2065	2065	2065	2066	2066	2066
6.0	2056	2056	2057	2056	2056	2056	2057	2057	2057	2057
9.0	2041	2041	2041	2041	2041	2041	2041	2042	2042	2042
12.0	2019	2019	2018	2019	2019	2020	2020	2020	2021	2020
15.0	1991	1990	1990	1991	1991	1992	1992	1993	1993	1993
18.0	1957	1955	1955	1955	1957	1958	1958	1959	1960	1959
21.0	1917	1915	1914	1915	1917	1917	1918	1919	1920	1919
24.0	1869	1867	1866	1867	1869	1870	1871	1872	1874	1872
27.0	1811	1809	1808	1809	1811	1813	1815	1817	1818	1817
30.0	1738	1737	1737	1737	1738	1743	1748	1750	1749	1750

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	1641	1643	1645	1643	1641	1651	1661	1662	1658	1662
36.0	1510	1517	1520	1517	1510	1527	1542	1542	1534	1542
39.0	1342	1350	1351	1350	1342	1364	1382	1395	1387	1395
42.0	1143	1150	1157	1150	1143	1163	1200	1217	1208	1217
45.0	919.4	948.2	973.9	948.2	919.4	957.6	1022	1021	993.5	1021
48.0	712.8	769.2	823.6	769.2	712.8	776.9	866.3	838.3	784.3	838.3
51.0	557.6	616.1	703.1	616.1	557.6	623.7	739.2	678.5	617.6	678.5
54.0	439.2	497.1	597.9	497.1	439.2	502.1	630.0	550.9	488.7	550.9
57.0	343.3	409.1	501.9	409.1	343.3	410.3	530.9	453.5	383.2	453.5
60.0	273.1	348.2	428.5	348.2	273.1	341.5	448.0	377.3	301.1	377.3
63.0	224.7	309.8	374.5	309.8	224.7	298.4	385.1	323.9	241.3	323.9
66.0	198.1	286.6	324.7	286.6	198.1	273.0	338.2	288.7	201.8	288.7
69.0	195.5	268.7	273.9	268.7	195.5	256.3	289.3	264.1	185.3	264.1
72.0	195.6	242.5	224.3	242.5	195.6	236.9	238.1	239.1	181.3	239.1
75.0	180.0	204.8	180.3	204.8	180.0	204.2	191.1	204.7	173.6	204.7
78.0	152.2	166.0	150.8	166.0	152.2	163.6	151.5	163.8	149.6	163.8
81.0	117.9	130.1	130.5	130.1	117.9	122.2	123.0	123.0	114.6	123.0
84.0	84.38	90.84	95.76	90.84	84.38	82.94	89.74	84.81	78.76	84.81
87.0	40.49	44.23	46.61	44.23	40.49	38.88	41.67	39.29	36.81	39.29
90.0	2.406	2.849	2.706	2.849	2.406	2.742	2.432	2.376	1.950	2.376
93.0	1.588	1.613	1.630	1.613	1.588	1.625	1.668	1.664	1.639	1.664
96.0	1.869	1.892	1.898	1.892	1.869	1.909	1.946	1.961	1.950	1.961
99.0	2.197	2.209	2.209	2.209	2.197	2.234	2.271	2.290	2.290	2.290
102.0	2.561	2.563	2.551	2.563	2.561	2.590	2.623	2.643	2.645	2.643
105.0	2.944	2.929	2.908	2.929	2.944	2.976	3.012	3.018	3.030	3.018
108.0	3.358	3.325	3.323	3.325	3.358	3.393	3.419	3.442	3.454	3.442
111.0	3.806	3.775	3.754	3.775	3.806	3.837	3.863	3.891	3.921	3.891
114.0	4.305	4.261	4.246	4.261	4.305	4.327	4.339	4.368	4.415	4.368
117.0	4.838	4.784	4.773	4.784	4.838	4.850	4.860	4.887	4.945	4.887
120.0	5.394	5.339	5.326	5.339	5.394	5.393	5.399	5.436	5.480	5.436
123.0	5.961	5.910	5.893	5.910	5.961	5.966	5.964	5.991	6.043	5.991
126.0	6.539	6.499	6.477	6.499	6.539	6.533	6.521	6.553	6.600	6.553
129.0	7.102	7.069	7.066	7.069	7.102	7.091	7.081	7.107	7.144	7.107
132.0	7.651	7.638	7.636	7.638	7.651	7.644	7.636	7.650	7.682	7.650
135.0	8.178	8.176	8.181	8.176	8.178	8.171	8.176	8.185	8.213	8.185
138.0	8.680	8.689	8.702	8.689	8.680	8.687	8.684	8.696	8.705	8.696
141.0	9.170	9.180	9.196	9.180	9.170	9.183	9.188	9.188	9.192	9.188
144.0	9.659	9.677	9.689	9.677	9.659	9.693	9.695	9.692	9.678	9.692
147.0	10.17	10.19	10.20	10.19	10.17	10.21	10.22	10.21	10.18	10.21
150.0	10.71	10.72	10.75	10.72	10.71	10.75	10.77	10.74	10.71	10.74
153.0	11.26	11.29	11.33	11.29	11.26	11.28	11.33	11.30	11.26	11.30
156.0	11.82	11.86	11.93	11.86	11.82	11.82	11.87	11.84	11.81	11.84
159.0	12.34	12.38	12.46	12.38	12.34	12.35	12.39	12.35	12.31	12.35
162.0	12.83	12.86	12.94	12.86	12.83	12.84	12.88	12.84	12.79	12.84
165.0	13.29	13.32	13.41	13.32	13.29	13.32	13.35	13.29	13.22	13.29
168.0	13.72	13.74	13.83	13.74	13.72	13.75	13.76	13.69	13.63	13.69
171.0	14.09	14.10	14.20	14.10	14.09	14.12	14.12	14.05	13.99	14.05
174.0	14.38	14.39	14.47	14.39	14.38	14.41	14.39	14.31	14.27	14.31
177.0	14.55	14.56	14.63	14.56	14.55	14.59	14.54	14.49	14.42	14.49
180.0	14.61	14.61	14.70	14.61	14.61	14.66	14.61	14.56	14.50	14.56
G/C	300.0	315.0	330.0	345.0						
0.0	2068	2068	2068	2068						
3.0	2065	2065	2065	2065						
6.0	2057	2056	2056	2056						
9.0	2041	2041	2041	2041						
12.0	2020	2020	2019	2019						
15.0	1992	1992	1991	1990						
18.0	1958	1958	1957	1955						
21.0	1918	1917	1917	1915						
24.0	1871	1870	1869	1867						
27.0	1815	1813	1811	1809						
30.0	1748	1743	1738	1737						
33.0	1661	1651	1641	1643						
36.0	1542	1527	1510	1517						
39.0	1382	1364	1342	1350						
42.0	1200	1163	1143	1150						
45.0	1022	957.6	919.4	948.2						
48.0	866.3	776.9	712.8	769.2						
51.0	739.2	623.7	557.6	616.1						
54.0	630.0	502.1	439.2	497.1						
57.0	530.9	410.3	343.3	409.1						
60.0	448.0	341.5	273.1	348.2						
63.0	385.1	298.4	224.7	309.8						
66.0	338.2	273.0	198.1	286.6						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

69.0	289.3	256.3	195.5	268.7
72.0	238.1	236.9	195.6	242.5
75.0	191.1	204.2	180.0	204.8
78.0	151.5	163.6	152.2	166.0
81.0	123.0	122.2	117.9	130.1
84.0	89.74	82.94	84.38	90.84
87.0	41.67	38.88	40.49	44.23
90.0	2.432	2.742	2.406	2.849
93.0	1.668	1.625	1.588	1.613
96.0	1.946	1.909	1.869	1.892
99.0	2.271	2.234	2.197	2.209
102.0	2.623	2.590	2.561	2.563
105.0	3.012	2.976	2.944	2.929
108.0	3.419	3.393	3.358	3.325
111.0	3.863	3.837	3.806	3.775
114.0	4.339	4.327	4.305	4.261
117.0	4.860	4.850	4.838	4.784
120.0	5.399	5.393	5.394	5.339
123.0	5.964	5.966	5.961	5.910
126.0	6.521	6.533	6.539	6.499
129.0	7.081	7.091	7.102	7.069
132.0	7.636	7.644	7.651	7.638
135.0	8.176	8.171	8.178	8.176
138.0	8.684	8.687	8.680	8.689
141.0	9.188	9.183	9.170	9.180
144.0	9.695	9.693	9.659	9.677
147.0	10.22	10.21	10.17	10.19
150.0	10.77	10.75	10.71	10.72
153.0	11.33	11.28	11.26	11.29
156.0	11.87	11.82	11.82	11.86
159.0	12.39	12.35	12.34	12.38
162.0	12.88	12.84	12.83	12.86
165.0	13.35	13.32	13.29	13.32
168.0	13.76	13.75	13.72	13.74
171.0	14.12	14.12	14.09	14.10
174.0	14.39	14.41	14.38	14.39
177.0	14.54	14.59	14.55	14.56
180.0	14.61	14.66	14.61	14.61

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-05-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [K=1.0000]
 Remarks: