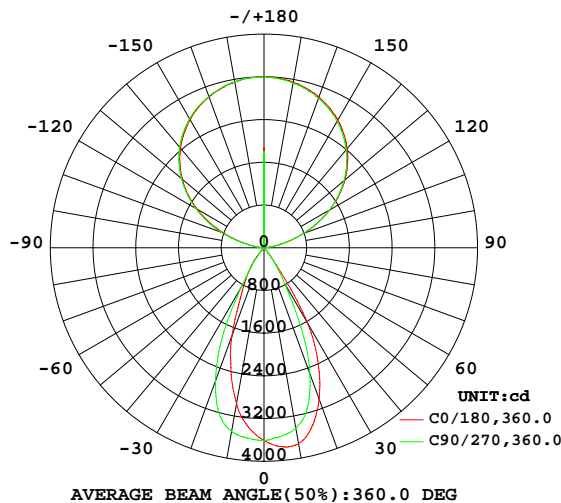


LUMINAIRE PHOTOMETRIC TEST REPORT

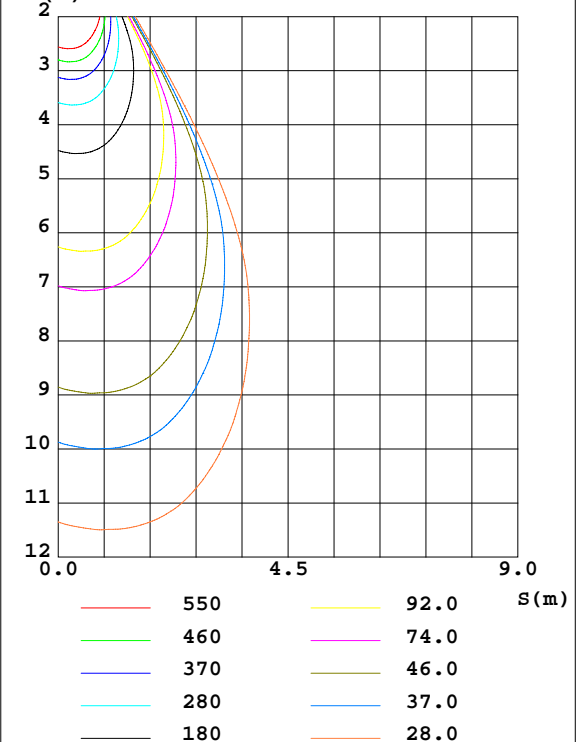
Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.56 lm/W			
MODEL		Imax(cd)	3757	S/MH(C0/180)	0.63
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.74
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	11339	η UP,DN(C0-180)	39.8,9.7
NOMINAL FLUX(lm)	11338.8	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	40.6,9.9
LAMPS INSIDE	1	η up(%)	80.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	η down(%)	19.6	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

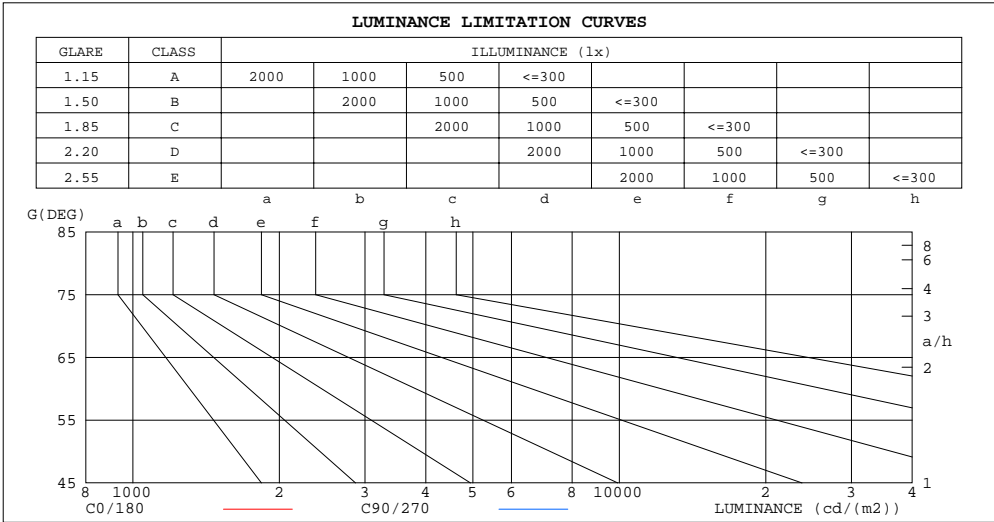
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	3725	3599	3431	3147	2966	3186	3494	3647	0- 10	334.5	334.5	2.95,2.95
20	3019	2797	2513	2049	1761	2138	2654	2903	10- 20	839.9	1174	10.4,10.4
30	1634	1107	772.7	660.9	678.7	711.4	853.4	1168	20- 30	767.7	1942	17.1,17.1
40	16.88	65.83	107.1	146.4	166.6	145.0	104.9	64.20	30- 40	267.4	2209	19.5,19.5
50	0.6881	0.5398	0.5904	0.9300	1.288	1.399	1.341	1.103	40- 50	15.18	2225	19.6,19.6
60	0.1979	0.0225	0.0769	0.4702	0.8755	0.9540	0.8510	0.6030	50- 60	0.6059	2225	19.6,19.6
70	0.1290	0	0.0515	0.4657	0.8764	0.9158	0.7717	0.5176	60- 70	0.4660	2226	19.6,19.6
80	0.1882	0	0.0515	0.5637	1.057	1.011	0.7675	0.5141	70- 80	0.5119	2226	19.6,19.6
90	2.036	0.5767	0.0515	0.8688	1.804	1.314	6.455	1.111	80- 90	0.7893	2227	19.6,19.6
100	203.0	214.6	220.3	216.9	214.2	227.5	237.3	227.3	90-100	73.26	2300	20.3,20.3
110	787.8	792.1	795.5	794.9	799.3	827.0	846.8	830.6	100-110	525.2	2825	24.9,24.9
120	1421	1415	1418	1430	1446	1466	1476	1459	110-120	1120	3946	34.8,34.8
130	1978	1959	1955	1973	1996	2013	2020	2007	120-130	1540	5486	48.4,48.4
140	2423	2402	2396	2410	2431	2450	2459	2449	130-140	1711	7197	63.5,63.5
150	2764	2744	2739	2753	2772	2785	2791	2783	140-150	1632	8829	77.9,77.9
160	3002	2983	2979	2992	3009	3017	3019	3014	150-160	1335	10164	89.6,89.6
170	3151	3135	3130	3139	3151	3157	3160	3158	160-170	871.8	11036	97.3,97.3
180	3201	3201	3201	3201	3201	3201	3201	3201	170-180	302.9	11339	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	242	19
80	34	9
75	16	6
70	12	5
65	10	4
60	12	5
55	19	14
50	34	29
45	94	248

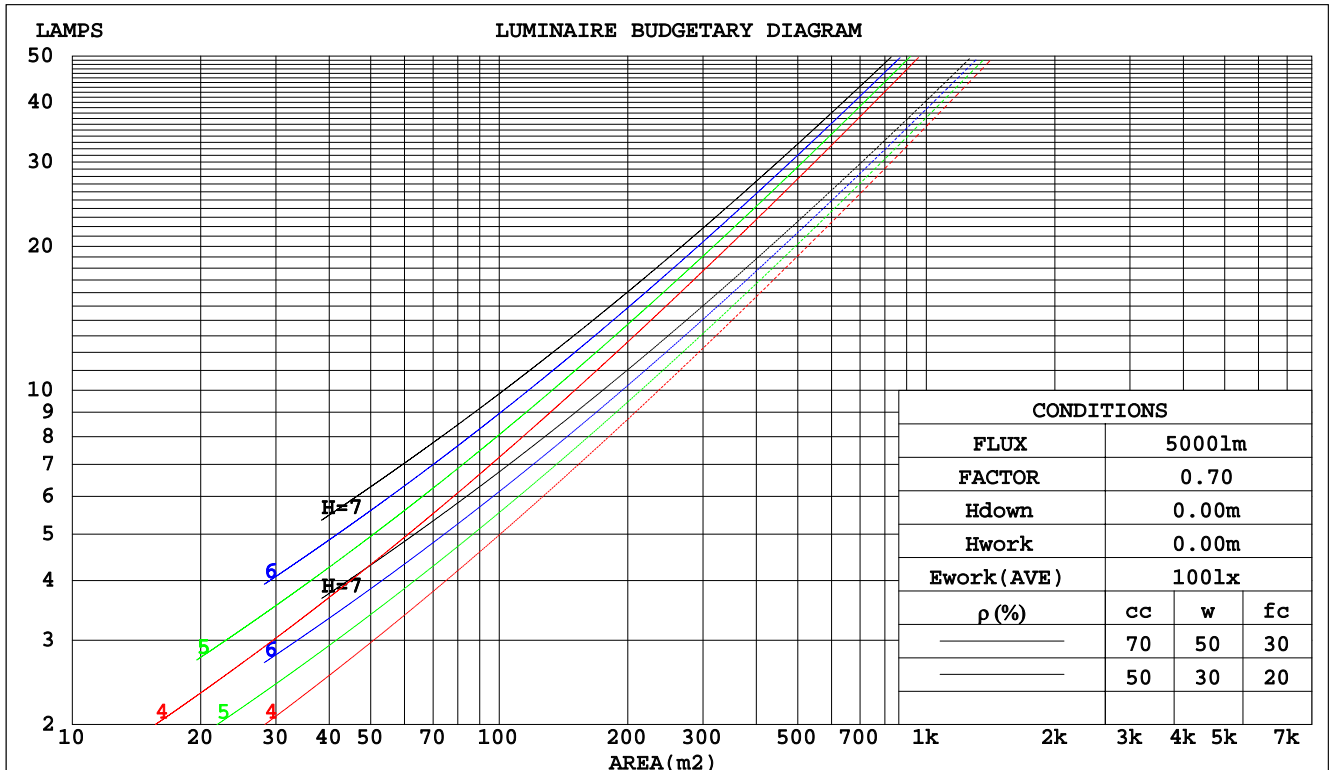
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:

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	.00	.00	.00	.88	.88	.88	.66	.66	.66	.47	.47	.47	.28	.28	.28	.20
1.0	.88	.85	.82	.78	.76	.73	.60	.58	.56	.42	.41	.41	.26	.26	.26	.19
2.0	.79	.73	.69	.70	.66	.62	.54	.51	.49	.39	.37	.36	.25	.24	.24	.18
3.0	.70	.64	.59	.63	.58	.53	.49	.45	.43	.35	.34	.32	.23	.23	.22	.17
4.0	.63	.56	.51	.57	.51	.47	.44	.40	.38	.33	.31	.29	.22	.21	.20	.16
5.0	.57	.50	.45	.51	.45	.41	.40	.36	.33	.30	.28	.26	.21	.20	.19	.15
6.0	.52	.45	.40	.47	.41	.37	.37	.33	.30	.28	.26	.24	.20	.18	.18	.14
7.0	.47	.40	.36	.43	.37	.33	.34	.30	.27	.26	.24	.22	.18	.17	.16	.14
8.0	.43	.37	.32	.39	.34	.30	.32	.28	.25	.24	.22	.20	.18	.16	.15	.13
9.0	.40	.33	.29	.36	.31	.27	.29	.25	.23	.23	.20	.19	.17	.15	.15	.12
10.0	.37	.31	.27	.34	.28	.25	.27	.24	.21	.21	.19	.17	.16	.15	.14	.12



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

WEC AND CCEC

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1056*64*35			SERIAL No.:		
MFR.:			SUR.:0.635*0.05			Shielding Angle:		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.238	.135	.043	.207	.118	.038	.149	.085	.027	.095	.055	.018	.046	.026	.009	
2.0	.220	.120	.037	.191	.105	.032	.138	.077	.024	.089	.050	.016	.044	.025	.008	
3.0	.204	.108	.032	.178	.095	.029	.129	.070	.021	.083	.046	.014	.042	.023	.007	
4.0	.189	.098	.029	.165	.087	.026	.120	.064	.019	.079	.042	.013	.040	.022	.007	
5.0	.176	.090	.026	.154	.079	.023	.113	.059	.017	.074	.039	.012	.038	.020	.006	
6.0	.165	.083	.024	.145	.073	.021	.106	.054	.016	.070	.036	.011	.036	.019	.006	
7.0	.155	.077	.022	.136	.068	.019	.100	.051	.015	.066	.034	.010	.035	.018	.005	
8.0	.146	.071	.020	.128	.063	.018	.094	.047	.013	.063	.032	.009	.033	.017	.005	
9.0	.137	.066	.019	.121	.059	.017	.089	.044	.013	.060	.030	.009	.032	.016	.005	
10.0	.130	.062	.017	.114	.055	.015	.085	.042	.012	.057	.028	.008	.031	.015	.004	

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	.803	.803	.803	.686	.686	.686	.468	.468	.468	.269	.269	.269	.086	.086	.086	
1.0	.793	.774	.757	.678	.664	.652	.464	.457	.451	.267	.264	.262	.086	.085	.085	
2.0	.784	.754	.728	.672	.649	.629	.460	.449	.439	.265	.261	.257	.085	.084	.084	
3.0	.776	.739	.708	.666	.637	.614	.457	.443	.431	.264	.259	.254	.085	.084	.083	
4.0	.770	.727	.695	.660	.628	.604	.454	.438	.425	.263	.256	.251	.085	.084	.083	
5.0	.763	.718	.685	.656	.621	.596	.452	.434	.421	.262	.255	.250	.084	.083	.082	
6.0	.757	.711	.678	.651	.616	.590	.449	.431	.418	.261	.254	.248	.084	.083	.082	
7.0	.752	.705	.672	.647	.611	.586	.447	.429	.415	.260	.252	.247	.084	.083	.082	
8.0	.747	.700	.668	.643	.607	.583	.445	.426	.413	.259	.252	.246	.084	.082	.082	
9.0	.742	.696	.665	.639	.604	.580	.443	.425	.412	.258	.251	.246	.084	.082	.081	
10.0	.738	.693	.663	.636	.601	.578	.441	.423	.411	.257	.250	.245	.083	.082	.081	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1056*64*35			SERIAL No.:			
MFR.:					SUR.:0.635*0.05			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise				Viewed endwise					
x = 2H y = 2H	3H	5.8	6.4	6.9	7.5	9.0	2.9	3.5	4.1	4.6	6.1
	4H	5.6	6.1	6.7	7.2	8.8	2.7	3.2	3.9	4.4	5.9
	6H	5.4	5.9	6.6	7.0	8.6	2.5	3.0	3.7	4.1	5.7
	8H	5.3	5.8	6.5	6.9	8.5	2.4	2.9	3.6	4.0	5.6
	12H	5.2	5.6	6.4	6.8	8.4	2.3	2.8	3.5	3.9	5.5
4H	2H	5.6	6.1	6.7	7.2	8.8	2.7	3.2	3.9	4.4	5.9
	3H	5.2	5.6	6.4	6.8	8.4	2.3	2.8	3.5	3.9	5.5
	4H	5.0	5.4	6.2	6.5	8.1	2.1	2.5	3.3	3.6	5.3
	6H	4.8	5.1	6.0	6.3	7.9	1.9	2.2	3.1	3.4	5.0
	8H	4.6	5.0	5.9	6.1	7.8	1.8	2.1	3.0	3.3	4.9
8H	4H	4.6	5.0	5.9	6.1	7.8	1.8	2.1	3.0	3.3	4.9
	6H	4.4	4.7	5.6	5.9	7.5	1.6	1.8	2.8	3.0	4.7
	8H	4.3	4.5	5.5	5.7	7.4	1.4	1.7	2.7	2.9	4.5
	12H	4.2	4.4	5.4	5.6	7.3	1.3	1.5	2.5	2.7	4.4
	12H	4.5	4.8	5.7	6.0	7.7	1.7	1.9	2.9	3.1	4.8
12H	4H	4.5	4.8	5.7	6.0	7.7	1.7	1.9	2.9	3.1	4.8
	6H	4.3	4.5	5.5	5.7	7.4	1.4	1.7	2.7	2.9	4.5
	8H	4.2	4.4	5.4	5.6	7.3	1.3	1.5	2.5	2.7	4.4
Variations with the observer position at spacings:											
S = 1.0H	+ 5.8 / -25.3					+ 4.8 / -39.2					
1.5H	+ 8.6 / -25.4					+ 7.7 / -36.0					
2.0H	+ 4.3 / - 2.5					+10.4 / -18.8					

CIE Pub.117, 11339 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.4$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:

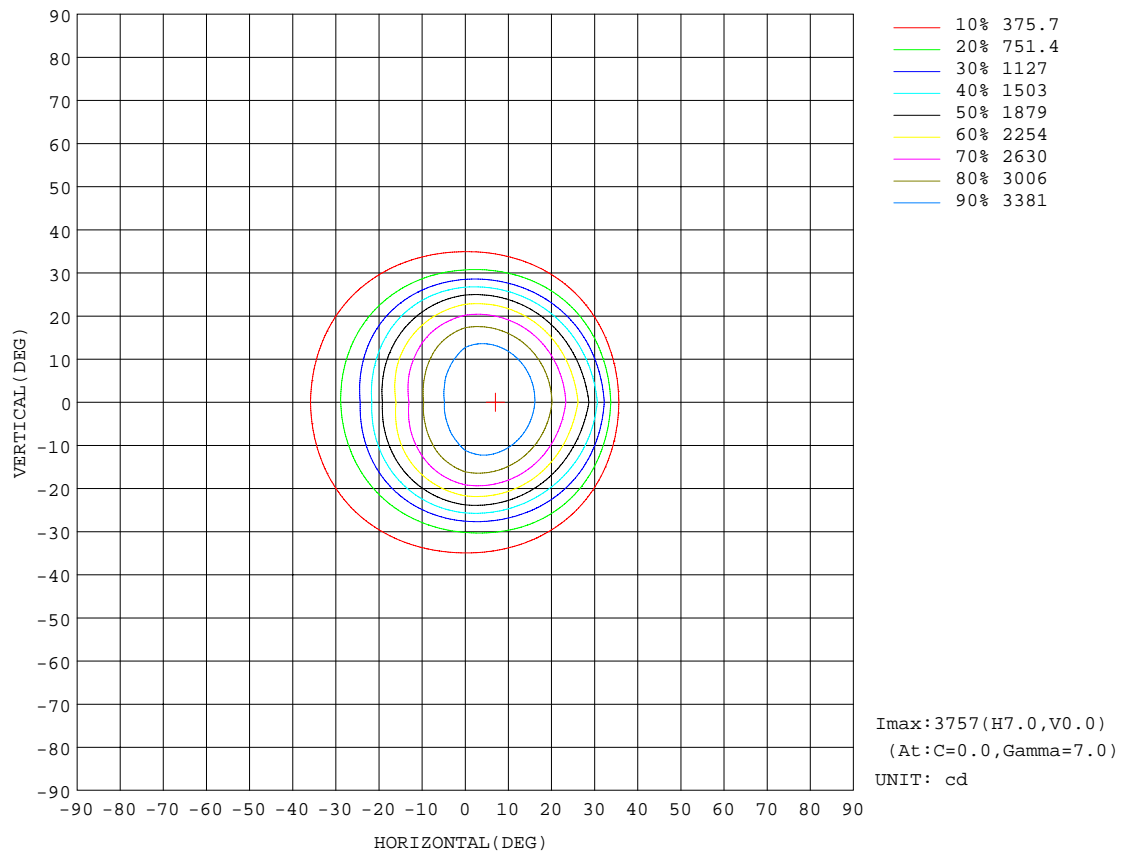
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	42	33	28	39	31	26	32	27	23	15
0.80	51	41	35	46	38	32	38	32	28	17
1.00	57	47	40	52	43	37	42	36	32	18
1.25	63	53	47	57	49	43	45	40	36	18
1.50	68	59	52	61	53	47	48	43	39	19
2.00	75	66	59	66	59	54	52	47	43	19
2.50	79	71	65	70	64	59	54	50	47	19
3.00	82	75	69	73	67	62	56	52	49	19
4.00	86	80	75	76	72	67	58	55	53	19
5.00	89	84	79	79	75	71	60	57	55	20
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:

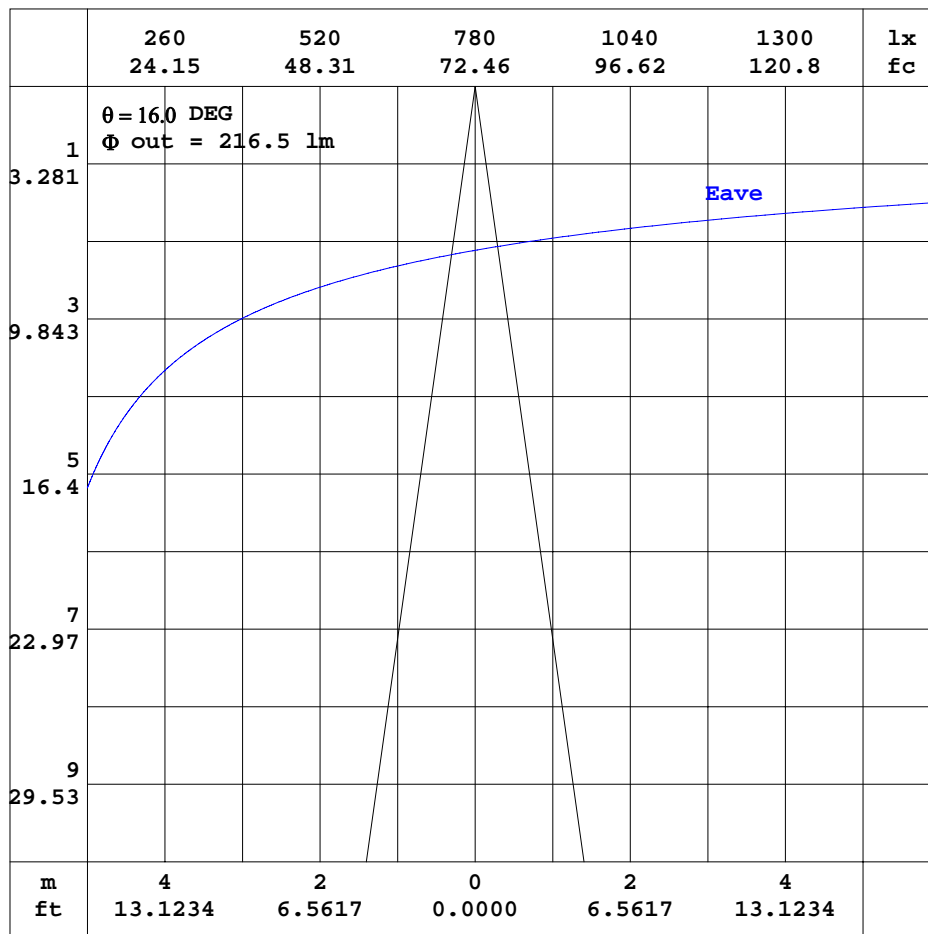


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

AAI CURVES

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:



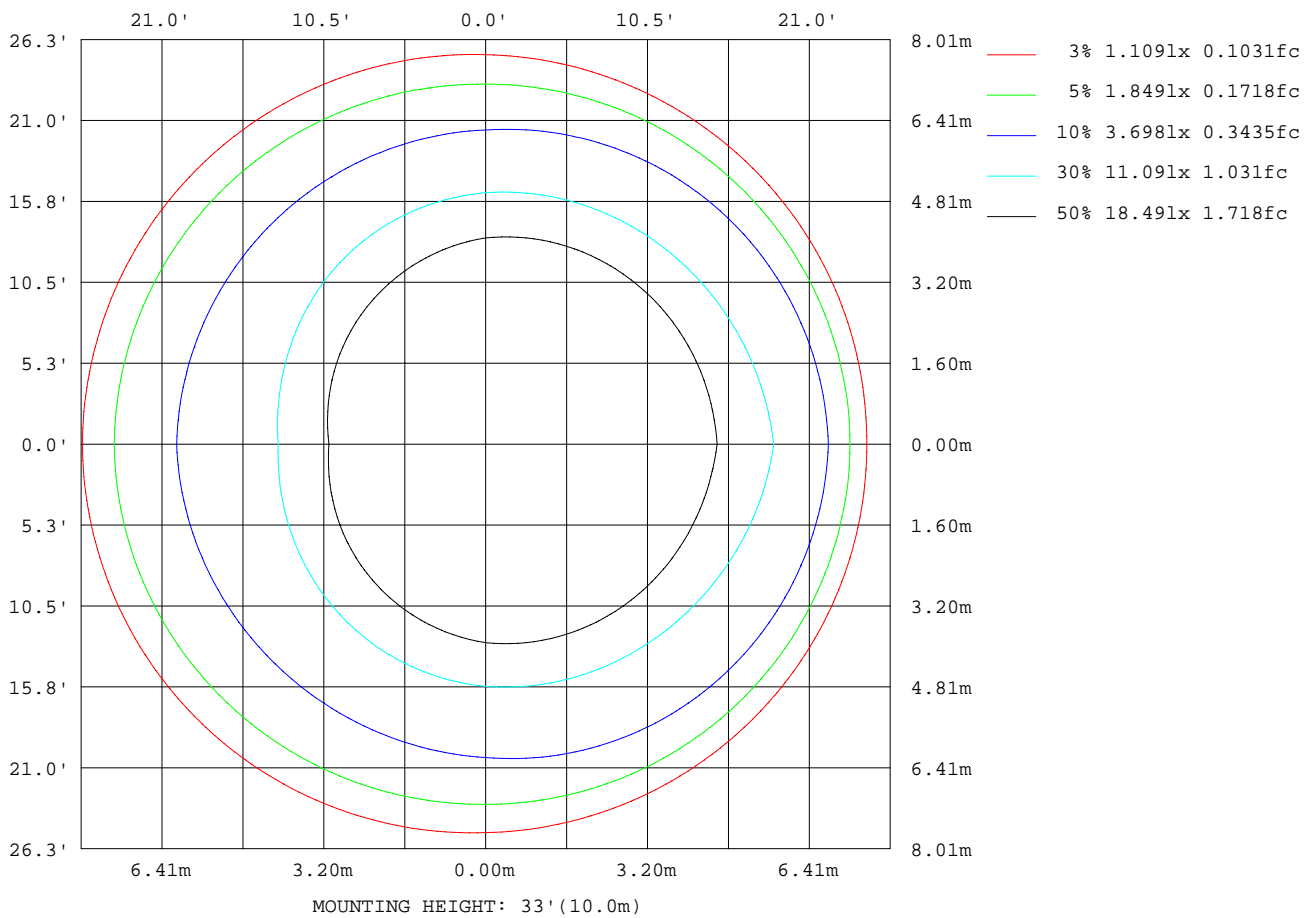
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 11.700m [K=0.8547]
 Remarks:

ISOLUX DIAGRAM

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

LED Avg.L Report

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:

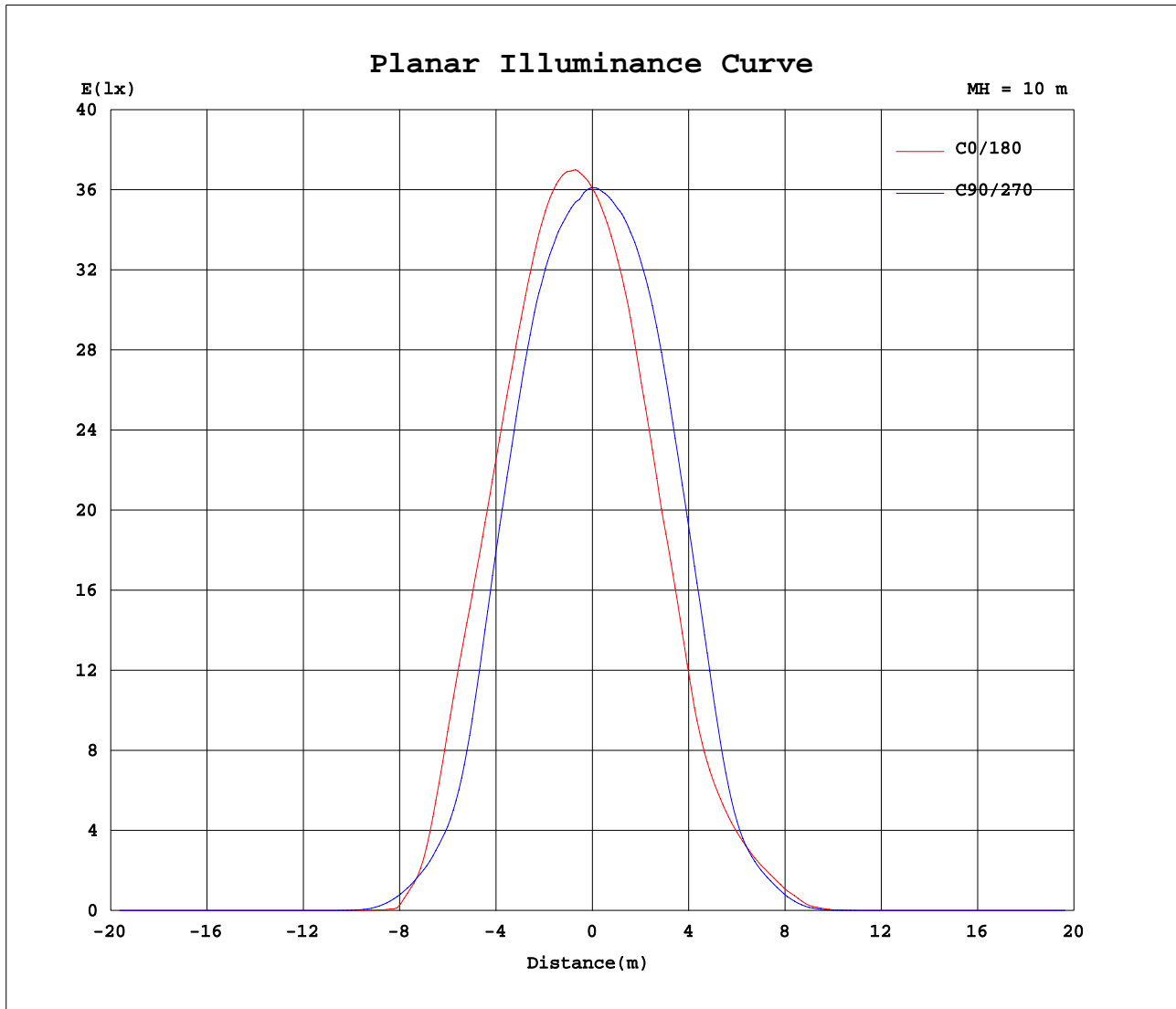
AvgL	cd/m2
L_0~180(65)av	36
L_0~180(75)av	65
L_0~180(85)av	365
L_90~270(65)av	31
L_90~270(75)av	50
L_90~270(85)av	148
L_45(65)av	35
L_45(75)av	60
L_45(85)av	237

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-07-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1056*64*35						SERIAL No.:		
MFR.:									SUR.:0.635*0.05						Shielding Angle:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3606	3607	3607	3608	3608	3608	3609	3609	3609	3609	3610	3610	3610	3610	3610	3610	3610	3611	3611
5	3737	3726	3716	3705	3695	3684	3674	3663	3653	3642	3632	3621	3611	3601	3590	3580	3570	3560	3549
10	3725	3713	3701	3688	3674	3660	3646	3631	3615	3599	3583	3566	3548	3530	3511	3492	3472	3452	3431
15	3471	3462	3451	3439	3426	3412	3396	3380	3362	3343	3323	3302	3279	3256	3231	3205	3178	3150	3121
20	3019	2998	2975	2952	2928	2903	2878	2852	2825	2797	2768	2739	2709	2678	2647	2614	2581	2547	2513
25	2409	2361	2314	2268	2222	2176	2132	2087	2044	2001	1958	1916	1875	1834	1794	1755	1716	1677	1640
30	1634	1566	1501	1437	1376	1318	1262	1208	1157	1107	1061	1017	975	935	898	863	830	800	773
35	475	466	456	448	440	432	425	418	411	405	400	395	390	386	382	379	376	374	372
40	16.9	22.7	28.4	34.1	39.6	45.0	50.4	55.6	60.8	65.8	70.8	75.7	80.4	85.1	89.7	94.2	98.6	103	107
45	2.10	2.21	2.33	2.46	2.60	2.75	2.91	3.07	3.25	3.44	3.64	3.84	4.06	4.28	4.52	4.77	5.02	5.29	5.56
50	0.69	0.66	0.64	0.62	0.60	0.58	0.57	0.56	0.55	0.54	0.54	0.53	0.53	0.54	0.54	0.55	0.56	0.57	0.59
55	0.34	0.32	0.30	0.28	0.26	0.24	0.23	0.22	0.21	0.20	0.20	0.20	0.20	0.20	0.21	0.22	0.23	0.24	0.26
60	0.20	0.17	0.14	0.11	0.09	0.07	0.06	0.04	0.03	0.02	0.02	0.01	0.02	0.02	0.02	0.03	0.04	0.06	0.08
65	0.13	0.10	0.08	0.06	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.05
70	0.13	0.10	0.08	0.05	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.05
75	0.13	0.10	0.07	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05
80	0.19	0.15	0.12	0.09	0.06	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05
85	0.67	0.58	0.51	0.43	0.37	0.31	0.25	0.20	0.16	0.12	0.09	0.06	0.04	0.03	0.02	0.02	0.03	0.04	0.05
90	2.04	1.83	1.63	1.45	1.27	1.11	0.96	0.82	0.69	0.58	0.47	0.38	0.30	0.23	0.17	0.12	0.09	0.06	0.05
95	12.8	17.1	21.1	24.9	28.5	31.9	35.0	37.8	40.5	42.9	45.1	47.0	48.7	50.2	51.5	52.5	53.3	53.8	54.2
100	203	205	206	207	209	210	211	212	214	215	215	216	217	218	218	219	220	220	220
105	473	473	474	474	474	475	475	475	475	476	476	476	477	477	477	478	478	478	478
110	788	788	789	789	790	790	791	791	792	792	793	793	793	794	794	794	795	795	796
115	1110	1111	1112	1112	1113	1114	1114	1115	1115	1116	1116	1117	1118	1118	1119	1119	1120	1120	1121
120	1421	1420	1419	1418	1418	1417	1416	1416	1416	1415	1415	1415	1415	1415	1416	1416	1416	1417	1418
125	1711	1708	1706	1704	1702	1701	1699	1698	1697	1696	1695	1694	1694	1694	1693	1694	1694	1694	1695
130	1978	1975	1973	1970	1968	1966	1964	1962	1960	1959	1958	1957	1956	1955	1955	1955	1955	1955	1955
135	2213	2210	2207	2204	2202	2199	2197	2195	2194	2192	2191	2190	2189	2188	2188	2187	2187	2187	2188
140	2423	2420	2417	2414	2412	2409	2407	2405	2403	2402	2400	2399	2398	2397	2397	2396	2396	2396	2396
145	2604	2601	2598	2595	2593	2590	2588	2586	2585	2583	2582	2580	2579	2579	2578	2578	2578	2578	2578
150	2764	2761	2758	2756	2753	2751	2749	2747	2746	2744	2743	2742	2741	2740	2740	2739	2739	2739	2739
155	2896	2893	2891	2888	2886	2884	2882	2880	2878	2877	2876	2875	2874	2873	2872	2872	2872	2872	2872
160	3002	2999	2997	2994	2992	2990	2988	2986	2985	2983	2982	2981	2980	2980	2979	2979	2979	2979	2979
165	3090	3087	3085	3083	3082	3080	3078	3077	3076	3075	3074	3073	3072	3071	3071	3070	3070	3070	3070
170	3151	3149	3146	3144	3143	3141	3139	3138	3136	3135	3134	3133	3132	3132	3131	3130	3130	3130	3130
175	3189	3187	3186	3185	3184	3183	3182	3181	3180	3180	3179	3179	3178	3178	3177	3177	3177	3177	3177
180	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3610	3610	3610	3610	3609	3609	3609	3609	3608	3608	3608	3608	3607	3607	3607	3607	3607	3606	3607
5	3536	3522	3509	3495	3482	3470	3458	3446	3435	3424	3414	3405	3397	3389	3383	3377	3373	3369	3375
10	3399	3366	3334	3301	3269	3238	3206	3176	3147	3119	3093	3068	3045	3025	3006	2990	2977	2966	2981
15	3073	3023	2974	2924	2874	2825	2777	2729	2684	2640	2598	2559	2522	2489	2459	2434	2412	2395	2420
20	2460	2407	2353	2300	2248	2196	2145	2096	2049	2004	1962	1922	1885	1852	1823	1798	1777	1761	1787
25	1591	1544	1498	1452	1409	1367	1326	1288	1252	1218	1187	1158	1133	1111	1092	1077	1066	1058	1081
30	752	733	717	703	691	681	672	666	661	658	656	656	657	659	662	667	672	679	678
35	373	374	375	377	379	381	384	387	390	392	395	398	401	404	407	410	412	414	412
40	112	117	122	126	131	135	139	143	146	150	153	156	158	161	163	164	166	167	166
45	5.99	6.43	6.87	7.31	7.75	8.19	8.62	9.05	9.46	9.85	10.2	10.6	10.9	11.2	11.5	11.8	12.0	12.2	12.0
50	0.62	0.66	0.69	0.73	0.77	0.81	0.85	0.89	0.93	0.97	1.01	1.06	1.10	1.14	1.18	1.22	1.25	1.29	1.31
55	0.29	0.32	0.36	0.39	0.43	0.47	0.51	0.55	0.60	0.64	0.68	0.72	0.76	0.80	0.84	0.88	0.92	0.95	0.97
60	0.11	0.15	0.19	0.24	0.28	0.33	0.37	0.42	0.47	0.52	0.57	0.61	0.66	0.71	0.75	0.80	0.84	0.88	0.89
65	0.09	0.13	0.17	0.21	0.25	0.30	0.35	0.39	0.44	0.49	0.54	0.58	0.63	0.67	0.72	0.76	0.80	0.83	0.85
70	0.09	0.13	0.18	0.22	0.27	0.32	0.37	0.42	0.47	0.52	0.57	0.61	0.66	0.71	0.75	0.80	0.84	0.88	0.89
75	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.45	0.50	0.55	0.61	0.66	0.71	0.76	0.81	0.85	0.90	0.94	0.95
80	0.10	0.15	0.21	0.26	0.32	0.38	0.44	0.50	0.56	0.62	0.69	0.75	0.80	0.86	0.91	0.96	1.01	1.06	1.07
85	0.11	0.17	0.24	0.31	0.38	0.46	0.54	0.62	0.70	0.78	0.86	0.94	1.02	1.09	1.16	1.23	1.29	1.35	1.34
90	0.11	0.18	0.26	0.35	0.44	0.54	0.65	0.76	0.87	0.98	1.10	1.21	1.32	1.43	1.53	1.63	1.72	1.80	1.77
95	52.9	51.4	49.7	47.9	45.9	43.8	41.7	39.5	37.2	35.0	32.8	30.6	28.5	26.6	24.7	23.0	21.5	20.1	21.9
100	220	220	219	219	219	218	218	217	217	216	216	216	215	215	215	214	214	214	216
105	478	478	479	479	479	479	479	479	479	480	480	480	481	481	482	482	483	483	485
110	795	795	795	795	795	795	795	795	795	795	795	796	796	796	797	798	798	799	802
115	1121	1121	1121	1121	1122	1122	1122	1122	1123	1123	1123	1124	1125	1125	1126	1127	1128	1129	1132
120	1419	1420	1421	1422	1424	1425	1427	1428	1430	1432	1433	1435	1437	1439	1441	1442	1444	1446	1449
125	1697	1698	1700	1702	1704	1706	1709	1711	1714	1716	1719	1722	1724	1727	1730	1732	1735	1737	1740
130	1957	1958	1960	1962	1964	1966	1968	1970	1973	1975	1978	1980	1983	1986	1988	1991	1993	1996	1998
135	2189	2190	2192	2194	2196	2198	2200	2202	2205	2207	2210	2212	2215	2217	2220	2223	2225	2228	2230
140	2397	2398	2399	2401	2402	2404	2406	2408	2410	2412	2414	2417	2419	2421	2424	2426	2429	2431	2433
145	2579	2580	2582	2584	2585	2587	2590	2592	2594	2596	2599	2601	2604	2606	2608	2611	2613	2616	2618
150	2740	2741	2742	2744	2745	2747	2749	2751	2753	2755	2757	2759	2761	2763	2765	2768	2770	2772	2774
155	2873	2874	2875	2877	2878	2880	2882	2883	2885	2887	2889	2891	2893	2896	2898	2900	2902	2904	2905
160	2980	2981	2982	2983	2985	2987	2988	2990	2992	2994	2996	2998	3000	3002	3003	3005	3007	3009	3010
165	3071	3072	3072	3073	3074	3076	3077	3078	3079	3081	3082	3084	3085	3087	3088	3089	3091	3092	3093
170	3130	3131	3132	3133	3134	3135	3136	3137	3139	3140	3141	3143	3144	3145	3147	3148	3150	3151	3152
175	3178	3178	3179	3179	3180	3181	3182	3182	3183	3184	3185	3186	3187	3188	3189	3189	3190	3191	3191
180	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.:	SUR.:0.635*0.05	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3607	3607	3607	3607	3608	3608	3608	3608	3609	3609	3609	3609	3610	3610	3610	3610	3611	3611	3610
5	3381	3389	3397	3407	3417	3428	3440	3452	3465	3478	3491	3505	3520	3534	3548	3563	3577	3587	3597
10	2999	3020	3043	3068	3095	3124	3155	3186	3219	3253	3287	3322	3357	3392	3426	3460	3494	3515	3534
15	2450	2484	2521	2562	2606	2653	2701	2752	2804	2857	2911	2965	3020	3074	3127	3179	3230	3259	3286
20	1819	1854	1894	1937	1983	2032	2084	2138	2193	2250	2308	2366	2425	2483	2541	2599	2654	2689	2721
25	1108	1138	1172	1209	1248	1291	1335	1382	1431	1480	1532	1584	1636	1689	1743	1796	1848	1886	1922
30	679	680	682	686	690	696	703	711	721	732	744	758	774	791	810	831	853	881	910
35	409	406	404	400	397	394	391	388	385	382	379	377	375	373	371	370	369	371	374
40	164	162	160	158	155	152	149	145	141	137	133	129	124	120	115	110	105	101	96.5
45	11.8	11.6	11.4	11.1	10.8	10.5	10.1	9.74	9.36	8.96	8.55	8.13	7.71	7.29	6.86	6.43	6.01	5.74	5.47
50	1.33	1.34	1.36	1.37	1.38	1.39	1.40	1.40	1.40	1.40	1.40	1.39	1.39	1.38	1.37	1.36	1.34	1.32	1.30
55	0.99	1.01	1.02	1.04	1.05	1.05	1.06	1.06	1.07	1.07	1.06	1.06	1.05	1.05	1.03	1.02	1.01	0.99	0.97
60	0.91	0.92	0.93	0.94	0.95	0.95	0.95	0.95	0.95	0.95	0.94	0.93	0.92	0.90	0.89	0.87	0.85	0.83	0.81
65	0.86	0.88	0.89	0.89	0.90	0.90	0.90	0.90	0.89	0.89	0.88	0.87	0.85	0.84	0.82	0.80	0.78	0.76	0.74
70	0.90	0.91	0.92	0.92	0.93	0.92	0.92	0.92	0.91	0.90	0.89	0.87	0.86	0.84	0.82	0.80	0.77	0.75	0.73
75	0.96	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.94	0.92	0.91	0.89	0.87	0.85	0.82	0.80	0.77	0.75	0.72
80	1.07	1.07	1.07	1.06	1.05	1.04	1.03	1.01	0.99	0.97	0.95	0.92	0.89	0.86	0.83	0.80	0.77	0.74	0.72
85	1.33	1.32	1.30	1.27	1.25	1.22	1.18	1.14	1.11	1.06	1.02	0.98	0.94	0.89	0.85	0.81	0.77	0.75	0.73
90	1.73	1.69	1.63	1.58	1.52	1.45	1.38	1.31	1.24	1.17	1.11	1.04	0.98	0.92	0.86	0.81	6.45	0.77	0.79
95	23.8	26.0	28.2	30.6	33.1	35.6	38.2	40.8	43.4	45.9	48.3	50.7	52.9	54.9	56.8	58.4	59.9	59.5	58.9
100	217	218	220	221	223	224	226	228	229	230	232	233	234	235	236	237	237	237	236
105	487	490	492	494	496	498	500	502	504	506	508	509	511	512	513	514	515	514	514
110	805	808	811	815	818	821	824	827	830	833	835	838	840	842	844	846	847	846	845
115	1135	1138	1141	1144	1147	1150	1153	1156	1159	1161	1164	1166	1168	1170	1172	1173	1174	1173	1172
120	1451	1453	1456	1458	1460	1462	1464	1466	1468	1470	1471	1473	1474	1475	1475	1476	1476	1475	1474
125	1742	1744	1746	1748	1749	1751	1753	1754	1755	1756	1757	1758	1759	1759	1759	1760	1759	1759	1757
130	2000	2002	2004	2006	2008	2010	2011	2013	2014	2015	2017	2017	2018	2019	2019	2020	2020	2019	2018
135	2232	2234	2236	2238	2239	2241	2243	2244	2245	2247	2248	2249	2249	2250	2250	2251	2251	2250	2250
140	2436	2438	2440	2442	2444	2446	2448	2450	2451	2453	2454	2456	2457	2458	2458	2459	2459	2459	2459
145	2619	2621	2623	2624	2626	2627	2628	2630	2631	2632	2633	2633	2634	2634	2635	2635	2635	2635	2634
150	2775	2777	2778	2780	2781	2783	2784	2785	2786	2787	2788	2789	2789	2790	2790	2791	2791	2790	2790
155	2906	2908	2909	2910	2911	2912	2913	2914	2915	2915	2916	2916	2917	2917	2917	2917	2917	2917	2917
160	3011	3012	3013	3014	3015	3016	3016	3017	3017	3018	3018	3019	3019	3019	3019	3019	3019	3019	3018
165	3094	3095	3095	3096	3097	3097	3098	3098	3098	3099	3099	3099	3100	3100	3100	3100	3100	3100	3100
170	3153	3153	3154	3155	3156	3156	3157	3157	3158	3158	3159	3159	3159	3160	3160	3160	3160	3160	3160
175	3191	3191	3191	3192	3192	3192	3191	3191	3191	3191	3191	3191	3191	3191	3190	3190	3190	3190	3190
180	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.67V I:0.3618A P:81.248W PF:0.9779 Freq:49.99Hz Lamp Flux:11338.8x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1056*64*35						SERIAL No.:		
MFR.:									SUR.:0.635*0.05						Shielding Angle:		

Table--4

UNIT: cd

C(DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (DEC)	0	3610	3610	3610	3610	3610	3610	3609	3609	3609	3609	3608	3608	3607	3607				
5	3607	3617	3626	3636	3645	3654	3663	3672	3680	3689	3697	3705	3713	3721	3729				
10	3553	3571	3588	3604	3619	3633	3647	3659	3670	3681	3691	3699	3707	3714	3720				
15	3312	3335	3357	3377	3395	3411	3425	3437	3448	3457	3464	3469	3472	3474	3474				
20	2752	2781	2809	2835	2859	2882	2903	2922	2940	2956	2971	2984	2995	3005	3013				
25	1958	1993	2027	2061	2094	2126	2157	2188	2218	2248	2276	2304	2332	2358	2384				
30	941	974	1009	1046	1085	1126	1168	1212	1258	1307	1356	1408	1462	1517	1575				
35	376	380	383	388	392	398	403	409	416	423	431	439	447	456	465				
40	92.1	87.6	83.1	78.5	73.8	69.1	64.2	59.3	54.3	49.2	44.0	38.7	33.4	28.0	22.5				
45	5.21	4.95	4.70	4.46	4.23	4.00	3.78	3.57	3.36	3.16	2.96	2.78	2.60	2.43	2.26				
50	1.28	1.26	1.23	1.20	1.17	1.14	1.10	1.07	1.03	0.98	0.94	0.89	0.85	0.80	0.74				
55	0.95	0.92	0.89	0.87	0.83	0.80	0.76	0.73	0.69	0.64	0.60	0.55	0.50	0.45	0.40				
60	0.79	0.76	0.73	0.70	0.67	0.64	0.60	0.57	0.53	0.49	0.44	0.40	0.35	0.30	0.25				
65	0.71	0.69	0.66	0.63	0.60	0.57	0.53	0.49	0.45	0.41	0.37	0.33	0.28	0.23	0.18				
70	0.70	0.68	0.65	0.62	0.59	0.55	0.52	0.48	0.44	0.40	0.36	0.32	0.27	0.23	0.18				
75	0.70	0.67	0.64	0.61	0.58	0.54	0.51	0.47	0.43	0.40	0.35	0.31	0.27	0.22	0.18				
80	0.69	0.66	0.64	0.61	0.58	0.55	0.51	0.48	0.45	0.41	0.38	0.34	0.30	0.27	0.23				
85	0.72	0.70	0.69	0.68	0.67	0.66	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.66	0.66				
90	0.82	0.85	0.89	0.93	0.98	1.04	1.11	1.19	1.27	1.36	1.45	1.55	1.66	1.78	1.90				
95	58.0	56.9	55.5	53.8	51.9	49.7	47.2	44.4	41.4	38.1	34.6	30.8	26.7	22.3	17.7				
100	236	235	234	232	231	229	227	225	223	221	218	216	213	210	206				
105	513	512	510	509	507	505	503	501	498	495	492	489	485	481	477				
110	844	843	841	839	836	834	831	827	823	819	815	810	805	800	794				
115	1171	1169	1167	1165	1162	1159	1156	1152	1148	1144	1139	1134	1129	1123	1117				
120	1473	1471	1469	1467	1465	1462	1459	1456	1452	1449	1445	1441	1436	1431	1426				
125	1756	1755	1753	1751	1749	1747	1744	1741	1738	1735	1731	1728	1724	1720	1715				
130	2017	2016	2015	2013	2011	2009	2007	2005	2002	1999	1996	1993	1990	1986	1982				
135	2249	2248	2246	2245	2243	2241	2239	2237	2235	2232	2230	2227	2223	2220	2217				
140	2458	2457	2456	2454	2453	2451	2449	2447	2445	2442	2440	2437	2434	2430	2427				
145	2633	2632	2631	2630	2629	2627	2626	2624	2622	2620	2618	2615	2613	2610	2607				
150	2789	2789	2788	2787	2786	2784	2783	2781	2780	2778	2776	2774	2771	2769	2766				
155	2916	2916	2915	2914	2913	2912	2911	2910	2908	2907	2905	2904	2902	2900	2898				
160	3018	3017	3017	3016	3015	3014	3014	3013	3012	3010	3009	3008	3006	3005	3003				
165	3099	3099	3099	3098	3098	3098	3097	3096	3096	3095	3094	3093	3093	3092	3091				
170	3160	3159	3159	3159	3159	3158	3158	3157	3157	3156	3155	3154	3154	3153	3152				
175	3190	3190	3190	3190	3189	3189	3189	3189	3189	3189	3189	3189	3189	3189	3189				
180	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-07-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks: