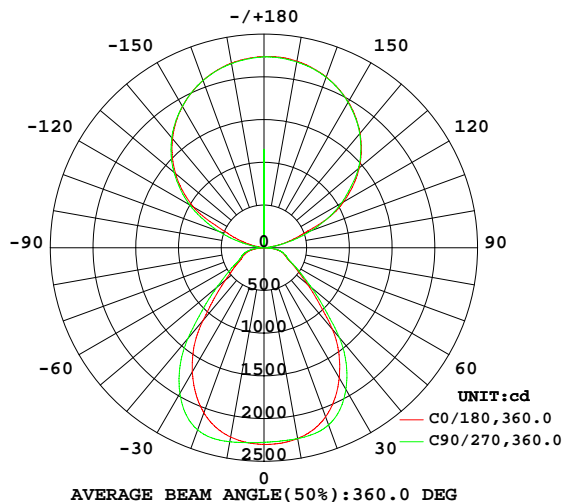


LUMINAIRE PHOTOMETRIC TEST REPORT

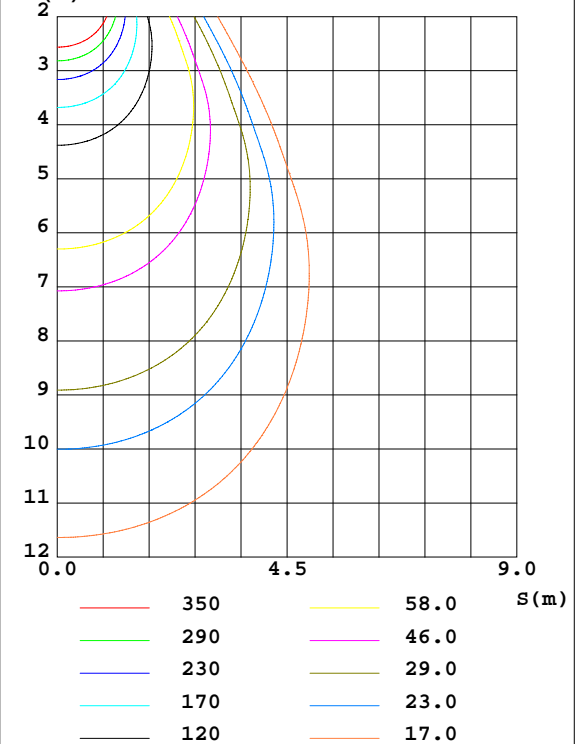
Test:U:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.69 lm/W			
MODEL		Imax(cd)	2311	S/MH(C0/180)	1.11
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	10795	η UP,DN(C0-180)	29.5,20.8
NOMINAL FLUX(lm)	10794.9	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	28.8,20.8
LAMPS INSIDE	1	η up(%)	58.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	41.6	CIBSE SHR MAX	1.25

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:2024-05-05

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:

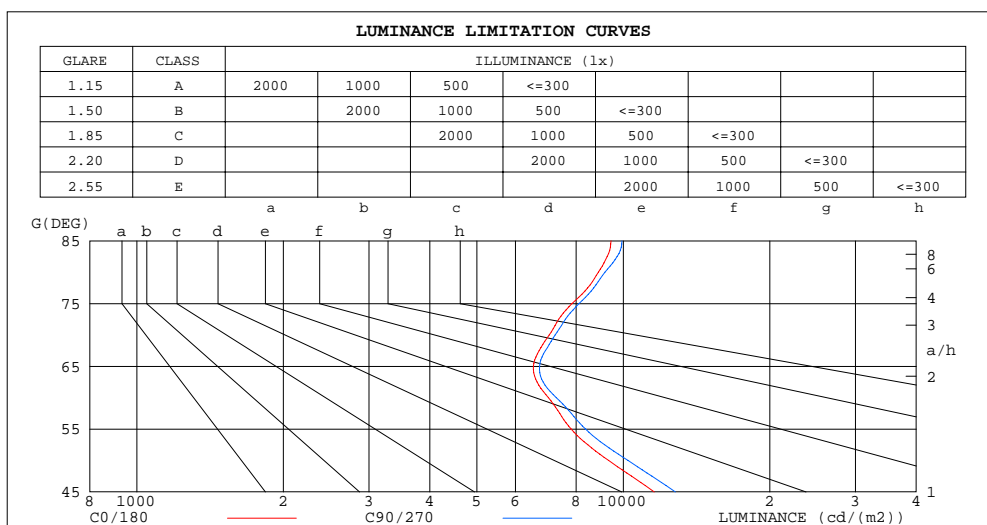
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2268	2262	2268	2233	2250	2275	2305	2271	0- 10	217.0	217.0	2.01,2.01
20	2107	2142	2207	2087	2056	2137	2269	2168	10- 20	627.2	844.1	7.82,7.82
30	1761	1803	1917	1723	1678	1763	1969	1822	20- 30	917.0	1761	16.3,16.3
40	1246	1350	1372	1261	1109	1281	1387	1355	30- 40	978.0	2739	25.4,25.4
50	661.9	654.4	725.2	574.8	589.3	579.1	723.7	646.0	40- 50	743.4	3483	32.3,32.3
60	387.4	283.5	402.0	251.2	346.3	253.9	395.3	270.4	50- 60	433.8	3916	36.3,36.3
70	265.9	235.0	273.4	224.2	251.4	223.3	273.3	232.3	60- 70	286.4	4203	38.9,38.9
80	170.3	132.4	175.7	118.6	144.3	120.2	173.5	132.5	70- 80	205.4	4408	40.8,40.8
90	8.479	8.308	6.108	1.821	2.672	2.552	2.921	6.040	80- 90	87.29	4495	41.6,41.6
100	137.5	152.4	160.0	101.4	68.03	92.96	148.2	141.0	90-100	41.10	4537	42,42
110	499.3	628.0	591.9	519.2	394.1	493.5	564.4	603.3	100-110	318.9	4855	45,45
120	1075	1085	1046	998.5	951.5	957.0	1003	1041	110-120	757.4	5613	52,52
130	1454	1458	1442	1383	1352	1333	1375	1408	120-130	1078	6691	62,62
140	1749	1754	1744	1695	1667	1646	1679	1708	130-140	1201	7892	73.1,73.1
150	1972	1978	1967	1935	1910	1893	1911	1942	140-150	1145	9037	83.7,83.7
160	2128	2132	2125	2104	2085	2072	2085	2107	150-160	935.8	9973	92.4,92.4
170	2218	2215	2209	2202	2195	2183	2189	2204	160-170	610.3	10583	98,98
180	2238	2238	2238	2238	2238	2238	2238	2238	170-180	211.7	10795	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:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9435	9933
80	8883	9163
75	7843	8108
70	7042	7241
65	6534	6727
60	7018	7283
55	7814	8363
50	9327	10219
45	11578	12796

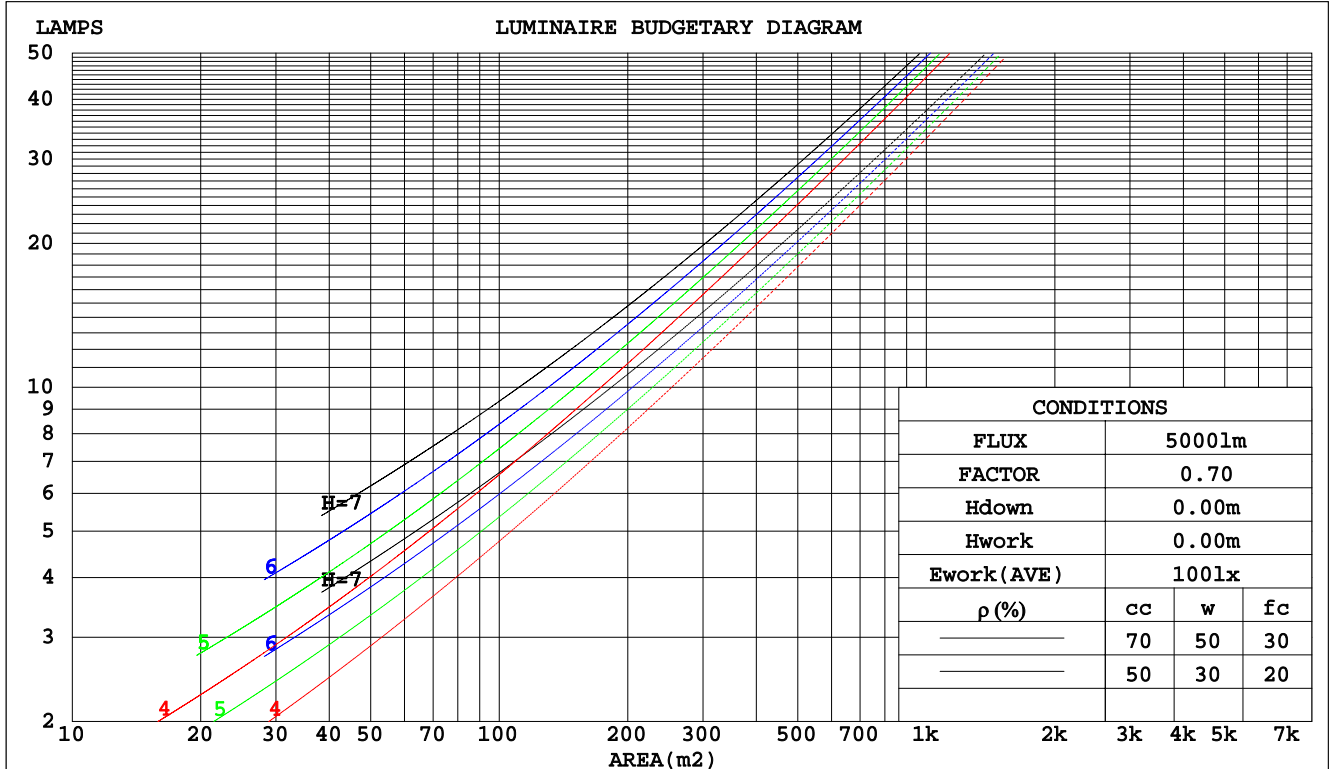
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	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			Coefficients of Utilization(CU)												
0.0	1.05	1.05	1.05	.96	.96	.96	.79	.79	.79	.63	.63	.63	.48	.48	.48	.42
1.0	.92	.89	.85	.84	.81	.79	.70	.68	.66	.56	.55	.53	.44	.43	.42	.36
2.0	.81	.76	.71	.75	.70	.66	.62	.58	.55	.50	.48	.46	.39	.38	.36	.31
3.0	.72	.65	.60	.66	.60	.56	.55	.51	.47	.45	.42	.39	.35	.33	.32	.27
4.0	.64	.57	.51	.59	.53	.48	.50	.45	.41	.41	.37	.34	.32	.30	.28	.24
5.0	.58	.50	.44	.53	.47	.42	.45	.40	.36	.37	.33	.30	.29	.27	.25	.22
6.0	.52	.44	.39	.48	.41	.37	.41	.36	.32	.34	.30	.27	.27	.24	.22	.19
7.0	.47	.40	.34	.44	.37	.32	.37	.32	.28	.31	.27	.24	.25	.22	.20	.18
8.0	.43	.36	.31	.40	.33	.29	.34	.29	.25	.28	.25	.22	.23	.20	.18	.16
9.0	.39	.32	.27	.37	.30	.26	.31	.26	.23	.26	.22	.20	.21	.19	.17	.15
10.0	.36	.29	.25	.34	.28	.23	.29	.24	.21	.24	.21	.18	.20	.17	.15	.13



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.: 610*280*42		SERIAL No.:	
MFR.:		SUR.:0.6*0.184		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	.262	.149	.047	.238	.136	.043	.192	.110	.035	.149	.086	.028	.110	.064	.021	
2.0	.243	.133	.041	.221	.122	.037	.179	.099	.031	.140	.079	.025	.104	.059	.019	
3.0	.225	.120	.036	.205	.110	.033	.166	.090	.027	.131	.072	.022	.098	.054	.017	
4.0	.209	.109	.032	.190	.100	.029	.155	.082	.025	.122	.066	.020	.092	.050	.015	
5.0	.194	.099	.029	.177	.091	.027	.145	.075	.022	.114	.060	.018	.086	.046	.014	
6.0	.182	.091	.026	.166	.084	.024	.136	.069	.020	.107	.056	.016	.081	.043	.013	
7.0	.170	.084	.024	.155	.077	.022	.127	.064	.019	.101	.052	.015	.077	.040	.012	
8.0	.160	.078	.022	.146	.072	.020	.120	.060	.017	.096	.048	.014	.073	.037	.011	
9.0	.150	.073	.020	.138	.067	.019	.113	.056	.016	.090	.045	.013	.069	.035	.010	
10.0	.142	.068	.019	.130	.063	.018	.107	.053	.015	.086	.043	.012	.065	.033	.009	

pcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.635	.635	.635	.543	.543	.543	.370	.370	.370	.213	.213	.213	.068	.068	.068		
1.0	.625	.605	.586	.535	.519	.505	.366	.357	.349	.211	.207	.203	.067	.067	.066		
2.0	.617	.583	.555	.528	.502	.480	.362	.347	.335	.209	.202	.196	.067	.065	.064		
3.0	.610	.568	.534	.523	.490	.463	.359	.340	.325	.207	.199	.192	.067	.065	.063		
4.0	.603	.556	.520	.517	.480	.452	.356	.335	.318	.206	.196	.188	.066	.064	.062		
5.0	.596	.547	.510	.512	.473	.444	.353	.330	.313	.204	.194	.186	.066	.063	.061		
6.0	.590	.539	.502	.507	.467	.438	.350	.327	.310	.203	.192	.184	.066	.063	.061		
7.0	.584	.533	.497	.503	.462	.433	.347	.324	.307	.202	.191	.183	.065	.062	.060		
8.0	.579	.528	.493	.498	.458	.430	.345	.321	.305	.201	.190	.182	.065	.062	.060		
9.0	.574	.524	.489	.494	.454	.427	.343	.319	.303	.200	.189	.181	.065	.062	.060		
10.0	.569	.520	.487	.491	.451	.425	.340	.318	.302	.199	.188	.180	.064	.062	.060		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm												
NAME:			TYPE:			WEIGHT:						
SPEC.:			DIM.: 610*280*42			SERIAL No.:						
MFR.:			SUR.:0.6*0.184			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	2H	15.3	16.1	16.2	17.1	18.3	15.7	16.5	16.6	17.4	18.6	
	3H	16.3	17.0	17.2	17.9	19.2	16.5	17.3	17.5	18.2	19.5	
	4H	16.8	17.5	17.8	18.5	19.7	17.1	17.8	18.1	18.8	20.0	
	6H	17.5	18.1	18.5	19.1	20.4	17.7	18.4	18.7	19.4	20.6	
	8H	17.8	18.4	18.8	19.4	20.7	18.0	18.7	19.0	19.6	20.9	
	12H	18.0	18.6	19.0	19.6	20.9	18.3	18.9	19.3	19.9	21.2	
	4H	2H	15.3	15.9	16.2	16.9	18.2	15.6	16.3	16.6	17.2	18.5
		3H	16.5	17.1	17.5	18.1	19.4	16.7	17.3	17.7	18.3	19.6
		4H	17.2	17.8	18.3	18.8	20.1	17.4	17.9	18.5	19.0	20.3
		6H	18.1	18.5	19.1	19.6	20.9	18.3	18.7	19.3	19.7	21.1
		8H	18.5	18.9	19.5	19.9	21.3	18.7	19.1	19.7	20.1	21.5
		12H	18.8	19.2	19.9	20.3	21.7	19.0	19.4	20.1	20.4	21.8
8H	4H	17.4	17.8	18.4	18.8	20.2	17.5	17.9	18.6	19.0	20.4	
	6H	18.4	18.7	19.4	19.8	21.2	18.5	18.9	19.6	19.9	21.3	
	8H	18.9	19.2	20.0	20.3	21.7	19.1	19.4	20.1	20.4	21.9	
	12H	19.5	19.7	20.5	20.8	22.2	19.6	19.8	20.7	20.9	22.4	
12H	4H	17.3	17.7	18.4	18.8	20.2	17.5	17.9	18.6	18.9	20.3	
	6H	18.4	18.7	19.5	19.8	21.2	18.6	18.8	19.6	19.9	21.3	
	8H	19.0	19.3	20.1	20.4	21.8	19.2	19.4	20.2	20.5	21.9	
Variations with the observer position at spacings:												
S = 1.0H		+ 0.4 / - 0.4				+ 0.4 / - 0.4						
1.5H		+ 0.2 / - 0.3				+ 0.3 / - 0.3						
2.0H		+ 0.7 / - 0.4				+ 0.8 / - 0.5						

CIE Pub.117, 10795 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.3$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:

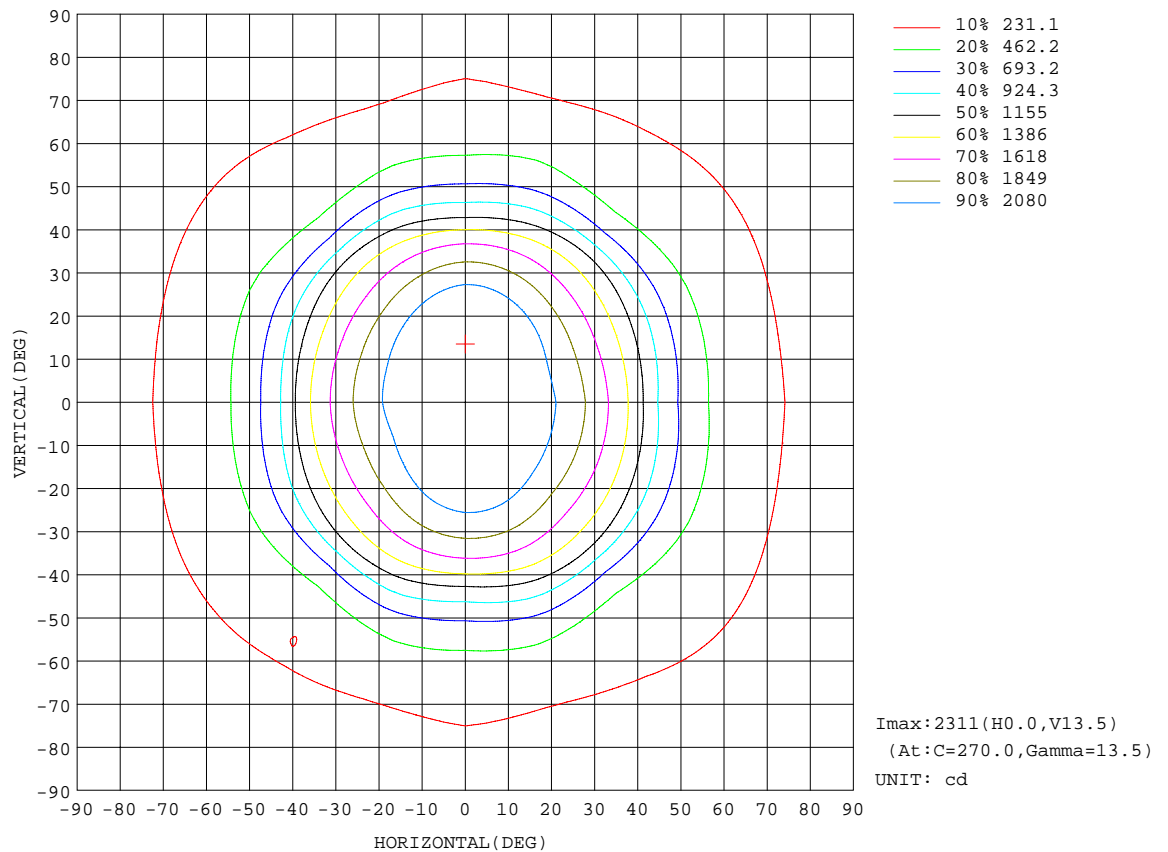
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	36	30	43	34	29	38	31	27	19
0.80	55	44	38	51	42	36	45	37	33	23
1.00	62	51	45	58	48	43	50	44	38	26
1.25	69	58	52	64	55	49	54	48	43	28
1.50	74	64	57	68	59	54	57	51	47	30
2.00	80	71	65	74	66	61	62	57	53	33
2.50	84	76	70	77	71	65	65	60	56	34
3.00	87	80	75	80	74	69	67	63	59	35
4.00	91	85	81	84	79	75	69	66	63	36
5.00	94	89	85	86	82	78	71	68	66	37
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:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:

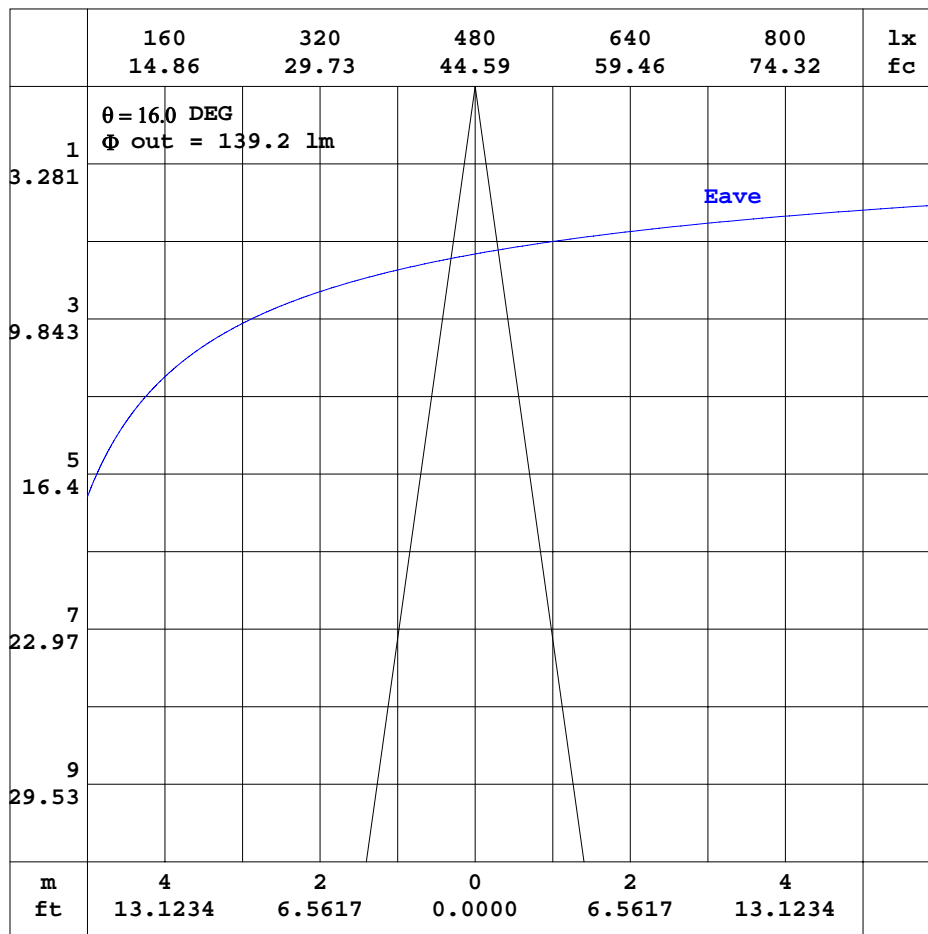


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:



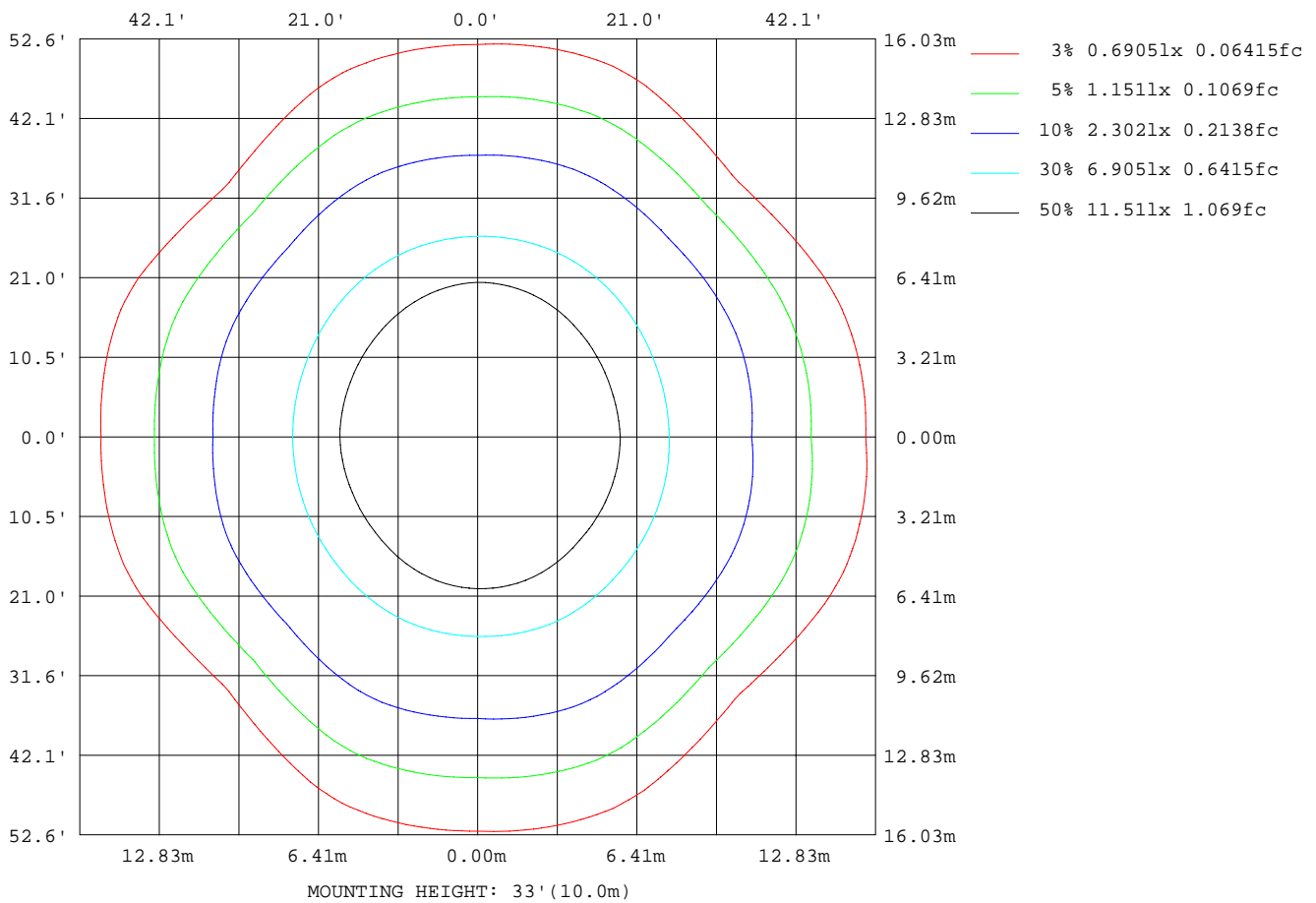
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.:	SUR.:0.6*0.184	Shielding Angle:

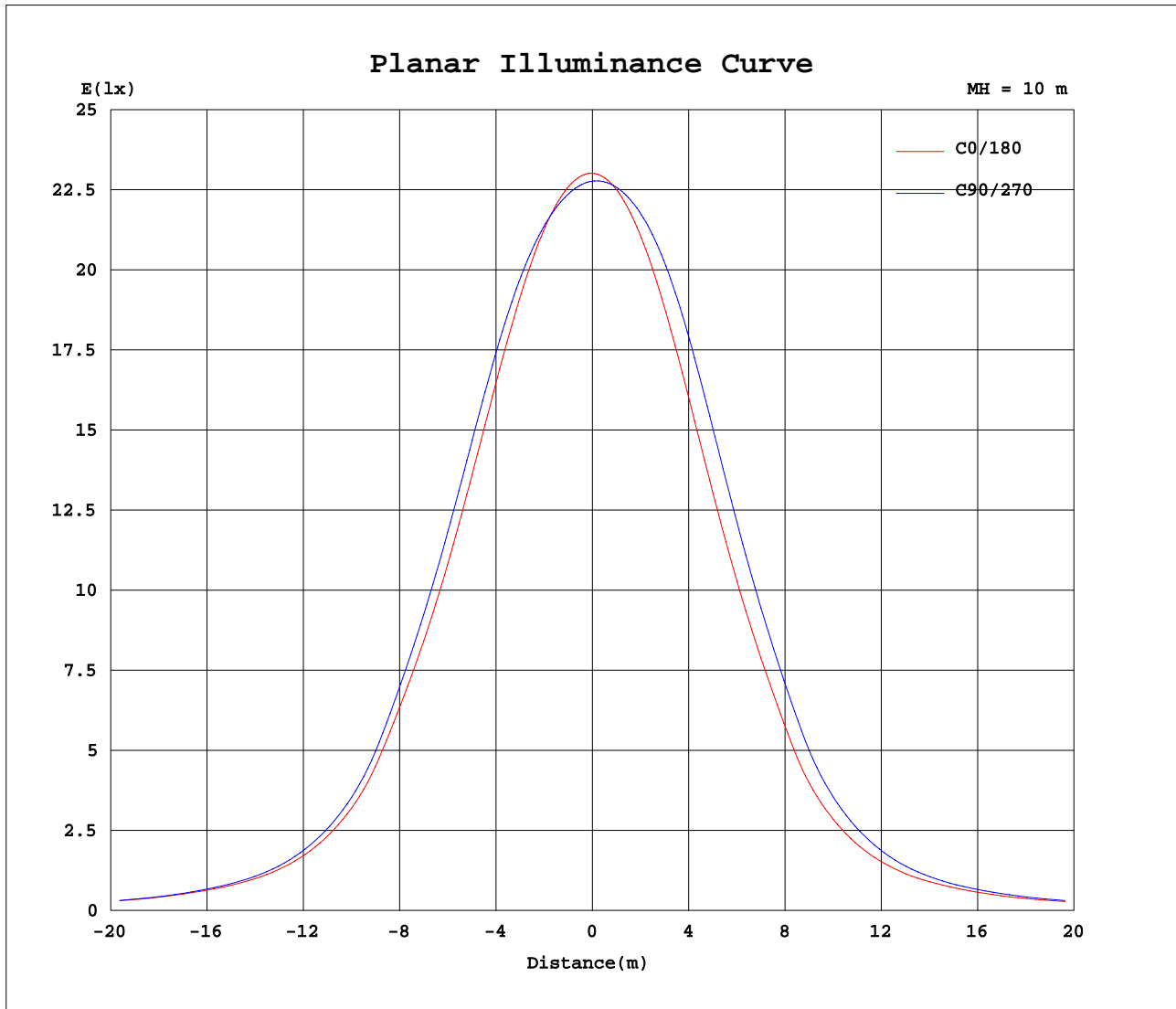
AvgL	cd/m2
L_0~180(65)av	6358
L_0~180(75)av	7606
L_0~180(85)av	7718
L_90~270(65)av	6701
L_90~270(75)av	8104
L_90~270(85)av	9655
L_45(65)av	4975
L_45(75)av	6238
L_45(85)av	7000

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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: 2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 610*280*42						SERIAL No.:		
MFR.:									SUR.:0.6*0.184						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	2302	2300	2298	2296	2295	2293	2292	2290	2288	2287	2286	2285	2283	2282	2281	2280	2279	2278	2277
5	2295	2293	2291	2289	2287	2285	2283	2282	2280	2279	2278	2277	2277	2276	2275	2274	2273	2272	2271
10	2268	2265	2263	2261	2260	2260	2260	2260	2261	2262	2263	2265	2267	2268	2269	2270	2270	2269	2268
15	2208	2206	2205	2205	2205	2207	2210	2214	2218	2223	2230	2236	2242	2248	2252	2255	2256	2257	2256
20	2107	2105	2105	2106	2109	2113	2118	2125	2133	2142	2154	2166	2178	2189	2198	2204	2207	2209	2207
25	1956	1955	1955	1957	1960	1965	1971	1979	1988	1999	2016	2034	2052	2069	2082	2091	2096	2098	2097
30	1761	1760	1761	1763	1766	1771	1776	1782	1791	1803	1823	1845	1867	1887	1902	1912	1918	1920	1917
35	1532	1534	1537	1541	1546	1551	1556	1563	1571	1582	1602	1623	1644	1664	1677	1684	1687	1686	1682
40	1246	1257	1269	1280	1292	1303	1315	1326	1338	1350	1367	1382	1396	1406	1409	1403	1394	1383	1372
45	904	926	945	962	976	986	992	997	1003	1009	1028	1046	1063	1075	1073	1056	1037	1017	999
50	662	682	697	707	711	706	691	675	662	654	677	704	732	758	768	762	751	738	725
55	495	508	516	518	516	502	479	457	437	425	446	474	505	534	550	550	546	538	530
60	387	399	406	406	400	382	353	325	300	283	304	333	365	397	414	416	414	409	402
65	305	312	316	316	312	299	280	261	245	233	247	265	286	307	318	321	320	318	314
70	266	264	261	258	255	251	246	242	238	235	236	237	240	244	250	258	264	270	273
75	224	217	210	204	200	195	192	190	188	188	187	188	190	193	200	210	219	227	232
80	170	166	163	159	154	150	144	139	135	132	134	136	140	145	152	159	166	172	176
85	90.8	95.7	99.0	101	101	97.2	91.1	84.7	78.9	74.7	78.8	84.5	90.9	97.2	100	100	99.1	97.4	95.6
90	8.48	10.4	11.9	12.8	13.3	12.9	11.8	10.5	9.29	8.31	9.22	10.4	11.5	12.5	12.4	11.1	9.58	7.85	6.11
95	22.3	23.7	25.1	26.4	27.6	28.7	29.8	30.8	31.7	32.5	33.2	33.9	34.4	34.9	35.4	36.0	36.3	36.2	35.6
100	137	141	144	146	148	149	150	151	152	152	154	156	158	160	162	163	163	162	160
105	313	310	308	308	309	312	317	323	329	335	339	343	346	349	353	356	359	360	359
110	499	501	507	515	526	544	569	592	613	628	618	604	587	570	565	572	580	588	592
115	834	842	848	853	857	860	862	862	860	854	838	821	804	790	788	799	811	821	828
120	1075	1076	1076	1077	1078	1081	1085	1088	1088	1085	1067	1047	1027	1010	1007	1017	1028	1039	1046
125	1276	1278	1279	1280	1282	1283	1285	1286	1286	1282	1270	1255	1241	1228	1224	1228	1234	1239	1242
130	1454	1456	1458	1459	1460	1461	1461	1461	1460	1458	1450	1442	1434	1427	1426	1431	1436	1441	1442
135	1611	1613	1614	1615	1616	1616	1617	1616	1616	1614	1610	1605	1600	1596	1595	1598	1601	1603	1603
140	1749	1750	1751	1752	1752	1753	1754	1754	1754	1754	1751	1749	1746	1744	1743	1744	1745	1745	1744
145	1869	1870	1870	1871	1871	1872	1873	1874	1875	1875	1874	1873	1871	1869	1868	1868	1867	1866	1864
150	1972	1972	1972	1972	1973	1974	1975	1976	1978	1978	1978	1978	1977	1975	1974	1973	1971	1969	1967
155	2058	2057	2057	2057	2058	2059	2060	2062	2063	2064	2064	2063	2063	2062	2061	2060	2059	2057	2055
160	2128	2127	2126	2126	2126	2127	2128	2129	2131	2132	2132	2131	2131	2130	2129	2128	2127	2126	2125
165	2181	2180	2179	2179	2178	2179	2180	2181	2181	2182	2182	2181	2180	2179	2179	2178	2177	2176	2175
170	2218	2217	2216	2215	2214	2214	2214	2214	2215	2215	2214	2214	2213	2212	2211	2211	2210	2209	2209
175	2238	2236	2235	2233	2233	2232	2232	2233	2233	2233	2233	2232	2232	2231	2231	2231	2230	2230	2230
180	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 610*280*42					SERIAL No.:				
MFR.:									SUR.:0.6*0.184					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	2276	2275	2274	2273	2273	2272	2271	2270	2269	2267	2265	2264	2264	2269	2277	2286	2294	2302	2302
5	2269	2268	2267	2265	2264	2262	2260	2258	2256	2253	2251	2250	2250	2254	2263	2271	2280	2288	2289
10	2266	2263	2260	2257	2252	2248	2243	2238	2233	2227	2222	2219	2217	2219	2226	2234	2242	2250	2252
15	2252	2247	2241	2234	2225	2215	2205	2194	2184	2174	2165	2157	2152	2152	2156	2162	2169	2176	2179
20	2202	2194	2183	2171	2156	2139	2121	2103	2087	2072	2059	2049	2041	2038	2040	2044	2050	2056	2058
25	2089	2077	2062	2044	2023	1999	1975	1951	1928	1911	1896	1885	1877	1873	1874	1877	1882	1888	1889
30	1908	1895	1878	1858	1833	1805	1777	1749	1723	1706	1691	1680	1672	1668	1668	1670	1674	1678	1679
35	1674	1663	1648	1631	1609	1582	1555	1528	1503	1485	1469	1457	1447	1440	1436	1433	1433	1435	1436
40	1370	1368	1365	1359	1347	1328	1307	1284	1261	1240	1219	1200	1181	1162	1144	1128	1116	1109	1115
45	1005	1013	1020	1023	1009	978	944	910	879	872	870	871	872	864	848	832	817	807	815
50	728	730	731	727	707	673	637	603	575	577	585	597	610	614	609	602	595	589	594
55	531	531	529	522	500	464	428	395	369	377	392	413	434	447	450	451	449	448	452
60	406	408	407	401	380	345	309	276	251	264	285	310	336	351	353	352	349	346	352
65	314	314	312	308	296	278	260	244	231	234	242	253	265	274	279	283	286	288	290
70	269	262	253	245	238	233	229	226	224	223	223	224	226	231	236	242	247	251	250
75	225	215	204	193	184	179	175	172	171	169	169	170	173	179	188	197	205	211	206
80	172	167	160	152	143	136	129	123	119	120	122	126	130	134	137	140	143	144	145
85	96.4	97.0	96.9	95.7	90.7	82.1	73.2	64.9	58.2	60.1	63.7	68.0	72.0	72.3	68.6	64.4	60.6	57.7	61.6
90	4.97	3.98	3.14	2.46	2.03	1.83	1.75	1.76	1.82	1.76	1.73	1.73	1.76	1.87	2.07	2.29	2.49	2.67	2.70
95	33.3	30.6	27.7	24.7	22.4	20.7	19.3	18.0	16.9	15.7	14.6	13.6	12.7	12.0	11.4	10.9	10.6	10.4	10.4
100	153	146	137	128	121	116	111	106	101	94.3	87.2	80.6	74.6	70.6	68.7	67.7	67.6	68.0	68.2
105	351	340	328	315	301	287	273	261	250	243	238	234	232	230	227	226	224	223	222
110	577	559	539	521	513	516	519	521	519	496	470	443	417	401	395	392	393	394	390
115	810	788	765	744	736	741	749	756	762	753	741	726	709	690	670	652	637	627	634
120	1028	1007	984	964	958	966	977	988	999	994	987	978	969	962	958	955	953	951	949
125	1229	1213	1198	1184	1178	1182	1188	1195	1201	1198	1193	1187	1180	1175	1171	1168	1165	1163	1161
130	1431	1417	1402	1388	1381	1380	1380	1382	1383	1380	1375	1371	1366	1362	1359	1357	1354	1352	1349
135	1594	1584	1573	1562	1555	1552	1550	1549	1548	1545	1541	1537	1533	1530	1527	1524	1521	1519	1516
140	1737	1730	1721	1713	1707	1703	1700	1697	1695	1691	1687	1684	1680	1677	1674	1672	1669	1667	1664
145	1859	1854	1848	1842	1838	1834	1830	1827	1824	1820	1816	1812	1809	1806	1803	1801	1799	1797	1794
150	1964	1960	1956	1952	1949	1945	1942	1939	1935	1931	1927	1924	1920	1917	1915	1913	1911	1910	1907
155	2053	2050	2047	2043	2040	2037	2035	2032	2029	2025	2021	2018	2015	2012	2010	2009	2007	2005	2003
160	2123	2120	2118	2116	2113	2111	2109	2107	2104	2101	2098	2096	2093	2091	2089	2088	2087	2085	2083
165	2174	2172	2171	2169	2168	2166	2165	2164	2162	2160	2158	2156	2154	2152	2151	2150	2149	2148	2146
170	2208	2207	2206	2205	2204	2203	2203	2202	2202	2201	2200	2199	2198	2197	2197	2196	2196	2195	2193
175	2229	2229	2228	2227	2227	2227	2227	2226	2226	2226	2225	2225	2225	2225	2224	2224	2224	2223	2222
180	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 610*280*42					SERIAL No.:				
MFR.:									SUR.:0.6*0.184					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	2301	2299	2296	2293	2292	2290	2288	2287	2286	2285	2283	2282	2281	2280	2279	2278	2277	2276	2275
5	2289	2288	2286	2285	2285	2286	2287	2287	2288	2289	2289	2290	2290	2290	2290	2290	2290	2289	2288
10	2253	2253	2254	2256	2260	2265	2270	2275	2280	2285	2289	2294	2297	2301	2303	2305	2305	2304	2303
15	2181	2183	2187	2193	2202	2211	2222	2233	2244	2256	2266	2277	2286	2294	2301	2306	2309	2308	2305
20	2061	2065	2070	2078	2091	2105	2121	2137	2155	2174	2192	2209	2226	2241	2253	2263	2269	2269	2264
25	1890	1893	1898	1908	1921	1937	1955	1975	1998	2022	2047	2070	2093	2115	2133	2148	2157	2156	2150
30	1680	1683	1687	1696	1709	1724	1742	1763	1788	1816	1843	1871	1897	1921	1942	1958	1969	1968	1962
35	1439	1444	1451	1462	1477	1494	1513	1534	1558	1584	1609	1634	1657	1678	1696	1710	1719	1720	1716
40	1125	1141	1159	1181	1206	1231	1256	1281	1303	1322	1340	1355	1366	1374	1379	1383	1387	1393	1399
45	827	842	858	866	868	870	875	884	913	944	976	1004	1019	1018	1014	1009	1004	1016	1028
50	600	607	612	609	598	587	580	579	604	634	666	697	716	722	725	725	724	732	740
55	455	457	455	442	419	397	379	368	390	420	453	486	508	517	522	524	525	532	537
60	358	361	361	347	320	292	269	254	275	305	338	371	391	396	398	397	395	404	411
65	290	288	285	276	263	251	240	233	243	256	271	286	297	303	307	310	311	317	321
70	246	242	238	233	230	227	225	223	223	224	226	230	237	247	257	266	273	271	266
75	199	191	183	177	173	172	171	171	171	173	176	181	189	202	214	224	231	226	217
80	145	144	142	139	133	128	123	120	122	126	132	138	146	154	162	169	173	171	167
85	66.4	71.4	75.7	75.7	71.3	66.5	62.3	59.5	65.2	72.4	80.2	87.8	91.8	92.2	91.8	90.9	90.2	93.5	96.9
90	2.69	2.66	2.61	2.58	2.56	2.55	2.55	2.55	2.57	2.60	2.63	2.67	2.66	2.63	2.65	2.73	2.92	3.50	4.15
95	10.5	10.7	11.0	11.4	11.8	12.3	13.1	14.0	15.2	16.7	18.4	20.5	23.3	26.8	30.2	33.2	35.6	35.4	34.5
100	68.9	70.1	72.0	74.9	78.8	83.2	88.0	93.0	97.2	102	106	112	118	126	134	142	148	151	152
105	221	221	221	222	223	225	229	235	246	260	274	288	301	313	323	332	338	340	339
110	387	386	390	403	425	449	473	493	496	496	495	494	502	518	536	552	564	559	551
115	645	660	676	693	707	719	730	737	731	723	715	709	715	731	749	766	781	776	769
120	947	946	945	947	950	954	956	957	948	939	931	925	932	949	968	987	1003	998	990
125	1160	1159	1158	1157	1157	1156	1155	1153	1147	1141	1136	1134	1139	1153	1167	1182	1194	1193	1189
130	1347	1345	1343	1341	1339	1337	1335	1333	1330	1327	1325	1325	1331	1342	1353	1365	1375	1375	1374
135	1514	1512	1509	1507	1504	1501	1499	1498	1496	1496	1497	1499	1504	1512	1520	1529	1537	1539	1540
140	1661	1658	1655	1653	1650	1648	1647	1646	1646	1647	1649	1652	1656	1661	1667	1673	1679	1682	1685
145	1791	1788	1785	1783	1781	1779	1778	1778	1779	1781	1783	1786	1789	1792	1796	1800	1804	1808	1811
150	1904	1901	1898	1896	1894	1893	1893	1893	1894	1896	1899	1901	1903	1905	1907	1909	1911	1915	1919
155	2000	1997	1995	1993	1992	1991	1990	1990	1992	1994	1996	1998	2000	2001	2002	2004	2006	2009	2013
160	2080	2077	2075	2073	2072	2071	2071	2072	2073	2074	2076	2077	2079	2080	2081	2083	2085	2087	2090
165	2143	2141	2139	2137	2137	2136	2136	2137	2137	2138	2139	2140	2141	2142	2143	2144	2145	2147	2150
170	2190	2188	2186	2184	2184	2183	2183	2183	2184	2184	2184	2185	2186	2186	2187	2188	2189	2191	2192
175	2220	2218	2216	2214	2214	2214	2214	2214	2214	2214	2215	2215	2216	2216	2217	2217	2218	2219	2220
180	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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:229.70V I:0.3513A P:78.972W PF:0.9785 Freq:49.99Hz Lamp Flux:10794.9x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 610*280*42						SERIAL No.:		
MFR.:									SUR.:0.6*0.184						Shielding Angle:		

Table--4

UNIT: cd

C(DEC) γ (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2274	2273	2273	2272	2271	2270	2269	2267	2265	2264	2264	2267	2273	2281	2290				
5	2287	2285	2283	2281	2279	2277	2275	2271	2268	2265	2264	2265	2270	2276	2285				
10	2300	2297	2293	2288	2283	2277	2271	2264	2256	2250	2246	2244	2246	2251	2258				
15	2301	2294	2286	2277	2266	2255	2244	2231	2219	2208	2199	2194	2193	2195	2200				
20	2256	2246	2233	2218	2202	2185	2168	2150	2133	2118	2106	2098	2094	2095	2099				
25	2139	2125	2108	2088	2067	2046	2024	2004	1985	1968	1954	1946	1942	1942	1947				
30	1950	1934	1915	1893	1869	1845	1822	1801	1783	1768	1755	1748	1745	1746	1751				
35	1708	1696	1680	1660	1638	1616	1594	1575	1558	1544	1532	1524	1521	1521	1524				
40	1403	1404	1401	1393	1383	1369	1355	1337	1318	1300	1282	1269	1259	1252	1248				
45	1041	1050	1050	1041	1028	1013	998	991	983	976	969	959	947	934	920				
50	745	746	735	712	688	665	646	650	660	671	683	688	687	682	673				
55	538	536	520	491	462	435	414	423	438	458	478	491	497	500	499				
60	415	414	395	361	326	294	270	285	308	336	365	384	392	395	394				
65	322	320	309	288	266	246	231	238	250	265	280	292	298	302	305				
70	259	252	246	241	237	234	232	232	233	235	238	242	246	252	259				
75	207	196	189	186	184	183	184	184	185	187	190	194	200	207	215				
80	161	154	148	143	138	135	132	134	137	141	146	151	155	160	165				
85	99.8	102	99.6	93.7	87.3	81.4	76.9	80.5	85.6	91.3	96.7	99.7	99.7	98.3	95.3				
90	4.81	5.44	5.75	5.76	5.76	5.83	6.04	7.11	8.27	9.39	10.4	10.8	10.8	10.3	9.59				
95	33.1	31.5	30.2	29.5	28.8	28.1	27.3	26.2	25.0	23.8	22.9	22.2	21.9	21.8	21.9				
100	153	152	151	148	146	143	141	142	142	143	144	144	143	142	140				
105	336	332	327	321	315	309	304	302	302	302	304	304	305	307	310				
110	543	536	541	558	576	592	603	591	573	553	531	516	507	502	499				
115	761	754	758	773	790	808	825	833	839	843	846	846	846	844	840				
120	982	975	978	992	1008	1025	1041	1048	1054	1057	1060	1063	1067	1070	1073				
125	1185	1182	1185	1195	1207	1220	1233	1242	1251	1258	1264	1269	1272	1274	1276				
130	1373	1372	1374	1381	1390	1399	1408	1417	1425	1433	1440	1446	1449	1452	1454				
135	1541	1541	1544	1548	1554	1560	1566	1574	1582	1589	1597	1602	1606	1609	1611				
140	1687	1689	1692	1695	1699	1704	1708	1715	1721	1728	1734	1739	1743	1746	1748				
145	1815	1818	1821	1824	1827	1830	1833	1839	1845	1850	1856	1860	1863	1866	1868				
150	1924	1928	1932	1934	1937	1939	1942	1946	1950	1955	1959	1963	1966	1968	1970				
155	2017	2021	2024	2026	2028	2030	2032	2036	2039	2043	2047	2050	2052	2054	2056				
160	2093	2096	2099	2101	2103	2105	2107	2109	2112	2115	2118	2120	2122	2124	2126				
165	2152	2155	2157	2159	2160	2162	2164	2166	2169	2171	2173	2175	2177	2178	2180				
170	2194	2196	2197	2199	2200	2202	2204	2206	2208	2210	2212	2213	2215	2216	2217				
175	2221	2222	2223	2225	2226	2227	2228	2229	2231	2232	2233	2234	2235	2236	2237				
180	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-05

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: