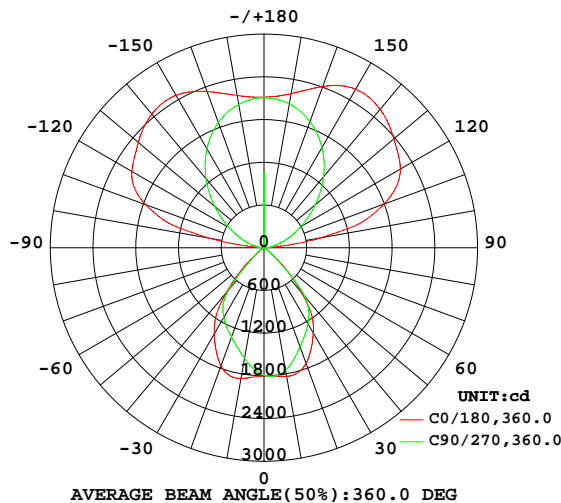


LUMINAIRE PHOTOMETRIC TEST REPORT

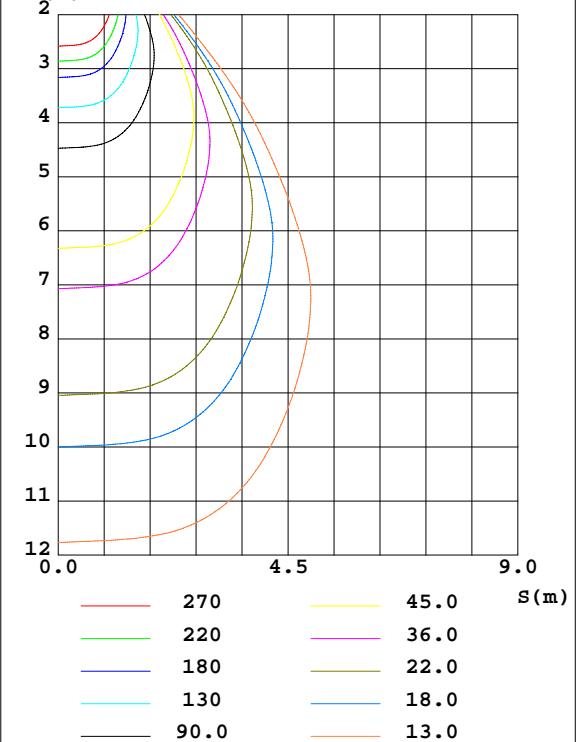
Test:U:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.21 lm/W			
MODEL		I _{max} (cd)	2582	S/MH(C0/180)	1.12
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.96
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	11008	η UP,DN(C0-180)	39.4,11.4
NOMINAL FLUX(lm)	11008.1	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	38.7,10.5
LAMPS INSIDE	1	η up(%)	78.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	21.9	CIBSE SHR MAX	1.15

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:2024-11-01

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:

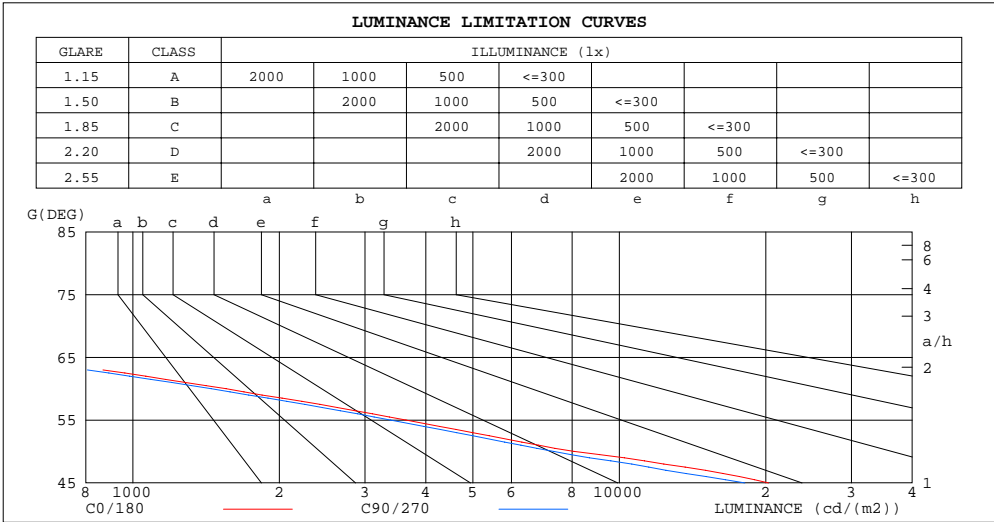
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1834	1813	1748	1823	1865	1699	1578	1680	0- 10	169.3	169.3	1.54,1.54
20	1728	1651	1481	1660	1767	1494	1337	1464	10- 20	472.6	642.0	5.83,5.83
30	1386	1336	1236	1332	1400	1231	1130	1213	20- 30	657.3	1299	11.8,11.8
40	824.6	863.3	882.1	868.5	823.5	781.2	764.9	772.0	30- 40	679.7	1979	18,18
50	174.5	184.0	158.4	181.8	170.8	169.5	147.7	169.8	40- 50	346.8	2326	21.1,21.1
60	26.11	35.80	24.33	35.08	25.51	34.63	23.73	35.79	50- 60	72.77	2398	21.8,21.8
70	1.638	3.009	1.749	3.063	1.768	2.907	1.627	2.926	60- 70	11.15	2410	21.9,21.9
80	0.1091	0.0945	0.0945	0.0947	0.1805	0.1890	0.1718	0.1719	70- 80	0.6274	2410	21.9,21.9
90	13.97	0.0945	0.0945	0.0945	0.2835	26.90	0.2835	32.50	80- 90	0.5377	2411	21.9,21.9
100	806.9	942.0	129.0	965.7	774.4	847.5	120.0	919.0	90-100	291.2	2702	24.5,24.5
110	1793	1384	324.8	1387	1766	1255	306.2	1375	100-110	988.0	3690	33.5,33.5
120	2211	1727	600.2	1715	2142	1601	567.3	1727	110-120	1334	5024	45.6,45.6
130	2382	1988	941.2	1963	2303	1864	903.6	2003	120-130	1463	6487	58.9,58.9
140	2538	2135	1301	2100	2451	2018	1268	2164	130-140	1453	7940	72.1,72.1
150	2572	2161	1629	2135	2472	2074	1604	2195	140-150	1286	9225	83.8,83.8
160	2410	2138	1888	2126	2335	2091	1874	2161	150-160	980.4	10206	92.7,92.7
170	2199	2114	2052	2112	2173	2093	2046	2127	160-170	601.1	10807	98.2,98.2
180	2116	2116	2116	2116	2116	2116	2116	2116	170-180	201.4	11008	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:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	36	29
80	19	16
75	15	14
70	143	152
65	554	509
60	1554	1448
55	3642	3385
50	8078	7333
45	20258	18115

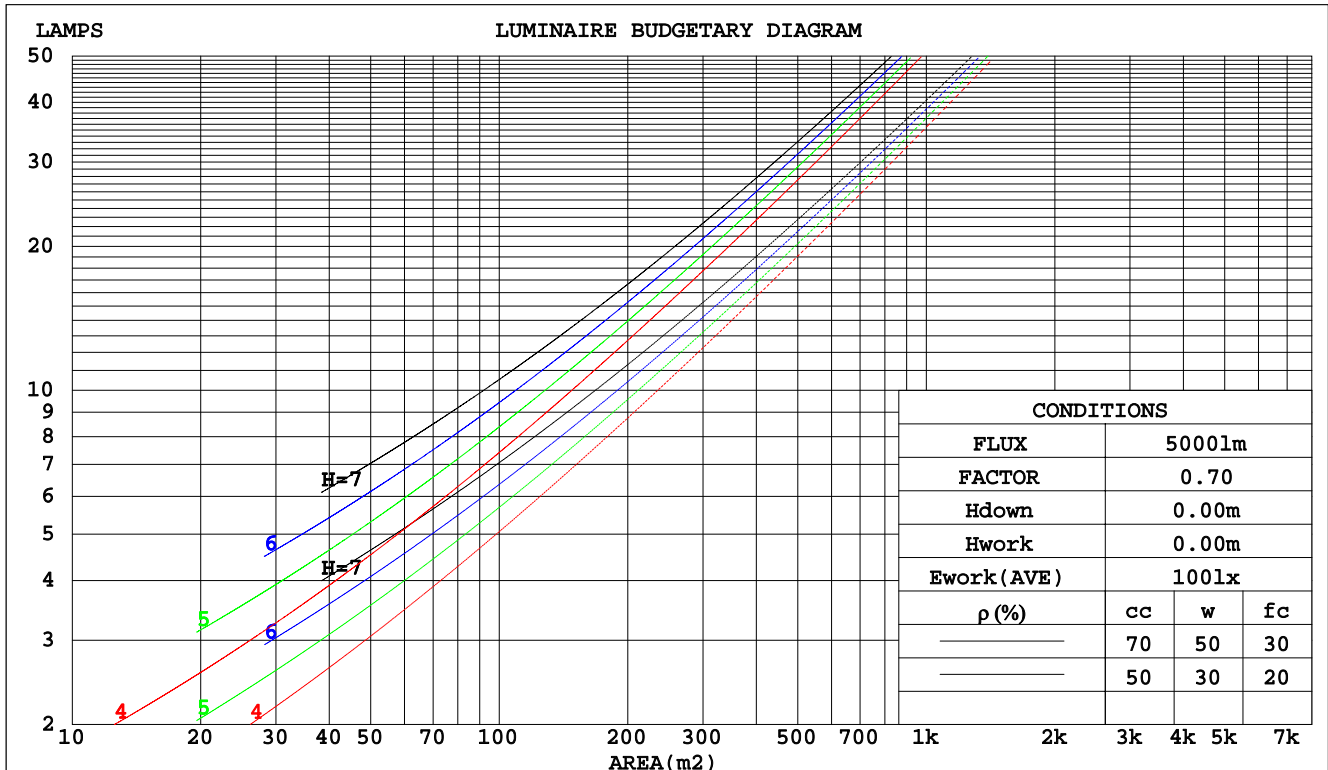
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	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	1.00	1.00	1.00	.89	.89	.89	.68	.68	.68	.48	.48	.48	.30	.30	.30	.22
1.0	.89	.85	.82	.79	.76	.74	.60	.59	.57	.44	.43	.42	.28	.28	.27	.20
2.0	.78	.73	.69	.70	.66	.62	.54	.51	.49	.39	.38	.36	.26	.25	.24	.18
3.0	.70	.63	.58	.62	.57	.53	.48	.45	.42	.36	.34	.32	.24	.23	.22	.17
4.0	.62	.55	.50	.56	.50	.45	.44	.40	.37	.32	.30	.28	.22	.21	.20	.15
5.0	.56	.49	.43	.50	.44	.39	.39	.35	.32	.29	.27	.25	.20	.19	.18	.14
6.0	.50	.43	.38	.45	.39	.35	.36	.32	.28	.27	.24	.22	.19	.17	.16	.13
7.0	.46	.38	.33	.41	.35	.31	.33	.28	.25	.25	.22	.20	.17	.16	.15	.12
8.0	.41	.34	.30	.37	.31	.27	.30	.26	.23	.23	.20	.18	.16	.15	.13	.11
9.0	.38	.31	.26	.34	.28	.24	.27	.23	.20	.21	.18	.16	.15	.13	.12	.10
10.0	.35	.28	.24	.31	.26	.22	.25	.21	.18	.19	.17	.15	.14	.12	.11	.09



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1203*52*31			SERIAL No.:		
MFR.:			SUR.:0.8*0.042			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	.244	.139	.044	.213	.122	.039	.156	.090	.029	.104	.060	.019	.055	.032	.010	
2.0	.226	.124	.038	.199	.109	.034	.146	.081	.025	.098	.055	.017	.054	.031	.010	
3.0	.211	.112	.034	.185	.099	.030	.137	.074	.023	.093	.051	.016	.052	.029	.009	
4.0	.196	.102	.030	.173	.091	.027	.129	.068	.020	.088	.047	.014	.050	.027	.008	
5.0	.183	.093	.027	.162	.083	.024	.121	.063	.019	.083	.044	.013	.048	.025	.008	
6.0	.172	.086	.025	.152	.077	.022	.114	.058	.017	.079	.041	.012	.046	.024	.007	
7.0	.161	.080	.023	.143	.071	.020	.108	.054	.016	.075	.038	.011	.044	.023	.007	
8.0	.152	.074	.021	.135	.066	.019	.102	.051	.015	.071	.036	.010	.042	.021	.006	
9.0	.143	.069	.019	.127	.062	.017	.096	.048	.013	.067	.034	.010	.040	.020	.006	
10.0	.135	.065	.018	.120	.058	.016	.091	.045	.013	.064	.032	.009	.038	.019	.006	

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	.786	.786	.786	.671	.671	.671	.458	.458	.458	.263	.263	.263	.084	.084	.084	
1.0	.776	.757	.740	.664	.649	.637	.454	.447	.440	.261	.259	.256	.084	.083	.083	
2.0	.767	.736	.710	.657	.634	.614	.451	.438	.428	.260	.255	.251	.083	.083	.082	
3.0	.760	.721	.690	.652	.622	.598	.447	.432	.420	.258	.252	.247	.083	.082	.081	
4.0	.754	.710	.676	.647	.613	.587	.445	.427	.414	.257	.250	.245	.083	.082	.080	
5.0	.748	.701	.666	.642	.606	.580	.442	.424	.409	.256	.249	.243	.083	.081	.080	
6.0	.742	.694	.659	.638	.601	.574	.440	.421	.406	.255	.247	.241	.082	.081	.080	
7.0	.737	.688	.654	.634	.596	.570	.438	.418	.404	.254	.246	.240	.082	.081	.079	
8.0	.732	.683	.650	.630	.592	.566	.436	.416	.402	.254	.245	.239	.082	.080	.079	
9.0	.727	.679	.646	.626	.589	.564	.434	.414	.400	.253	.245	.239	.082	.080	.079	
10.0	.722	.675	.644	.623	.586	.562	.432	.413	.399	.252	.244	.238	.082	.080	.079	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1203*52*31			SERIAL No.:			
MFR.:					SUR.:0.8*0.042			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	12H	12.9	13.5	14.0	14.6	16.1	12.6	13.3	13.7	14.4	15.9
	3H	12.5	13.1	13.6	14.2	15.7	12.3	12.9	13.4	14.0	15.5
	4H	12.3	12.8	13.4	14.0	15.5	12.1	12.6	13.2	13.7	15.3
	6H	12.1	12.6	13.2	13.7	15.3	11.9	12.4	13.0	13.5	15.1
	8H	12.0	12.5	13.1	13.6	15.2	11.8	12.3	12.9	13.4	14.9
12H	11.9	12.4	13.0	13.5	15.1	11.7	12.1	12.8	13.3	14.8	
4H	2H	12.3	12.9	13.4	14.0	15.5	12.1	12.7	13.2	13.8	15.3
	3H	11.9	12.4	13.1	13.5	15.1	11.7	12.2	12.9	13.3	14.9
	4H	11.7	12.1	12.9	13.3	14.8	11.5	11.9	12.7	13.0	14.6
	6H	11.5	11.8	12.7	13.0	14.6	11.3	11.6	12.5	12.8	14.4
	8H	11.4	11.7	12.6	12.9	14.5	11.2	11.5	12.4	12.7	14.3
	12H	11.3	11.6	12.5	12.7	14.4	11.1	11.4	12.3	12.5	14.2
8H	4H	11.4	11.7	12.6	12.9	14.5	11.2	11.5	12.4	12.7	14.3
	6H	11.2	11.4	12.4	12.6	14.2	10.9	11.2	12.1	12.4	14.0
	8H	11.0	11.3	12.3	12.5	14.1	10.8	11.1	12.0	12.2	13.9
	12H	10.9	11.1	12.1	12.3	14.0	10.7	10.9	11.9	12.1	13.8
12H	4H	11.3	11.6	12.5	12.7	14.4	11.1	11.4	12.3	12.5	14.2
	6H	11.0	11.3	12.3	12.5	14.1	10.8	11.1	12.0	12.2	13.9
	8H	10.9	11.1	12.1	12.3	14.0	10.7	10.9	11.9	12.1	13.8
Variations with the observer position at spacings:											
S = 1.0H		+ 2.5 / -11.5				+ 2.5 / -11.9					
1.5H		+ 3.7 / - 8.0				+ 4.0 / - 8.1					
2.0H		+ 6.6 / -11.9				+ 6.6 / -11.3					

CIE Pub.117, 11008 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:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	Shielding Angle:

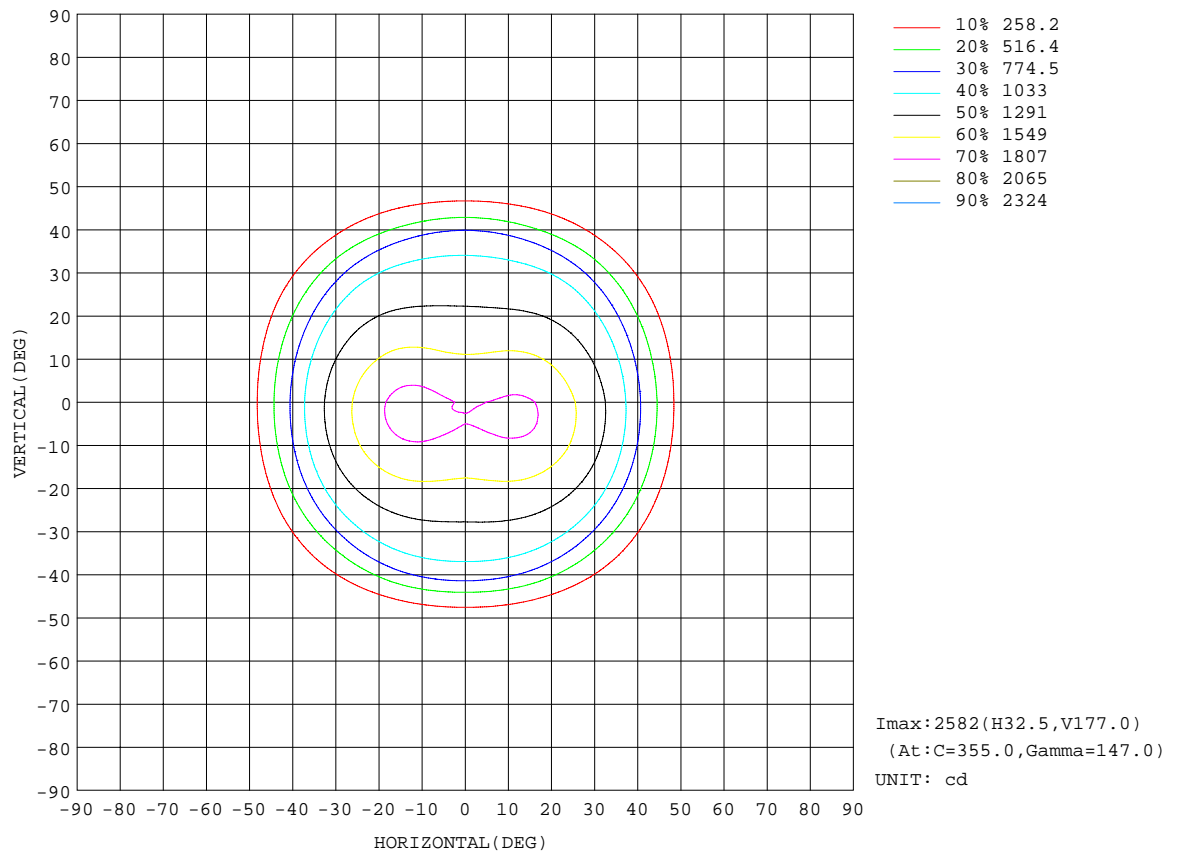
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	41	31	25	37	29	24	32	25	21	14
0.80	49	39	32	45	36	30	37	31	26	16
1.00	56	45	38	51	42	36	42	35	31	17
1.25	63	52	45	57	48	42	46	39	35	18
1.50	68	57	50	61	52	46	48	43	38	19
2.00	74	65	58	67	59	53	52	47	43	20
2.50	79	70	64	70	63	58	55	50	47	20
3.00	82	74	68	73	67	62	57	53	49	20
4.00	86	80	75	77	72	67	59	56	53	21
5.00	89	83	79	79	75	71	61	58	56	21
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:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	Shielding Angle:

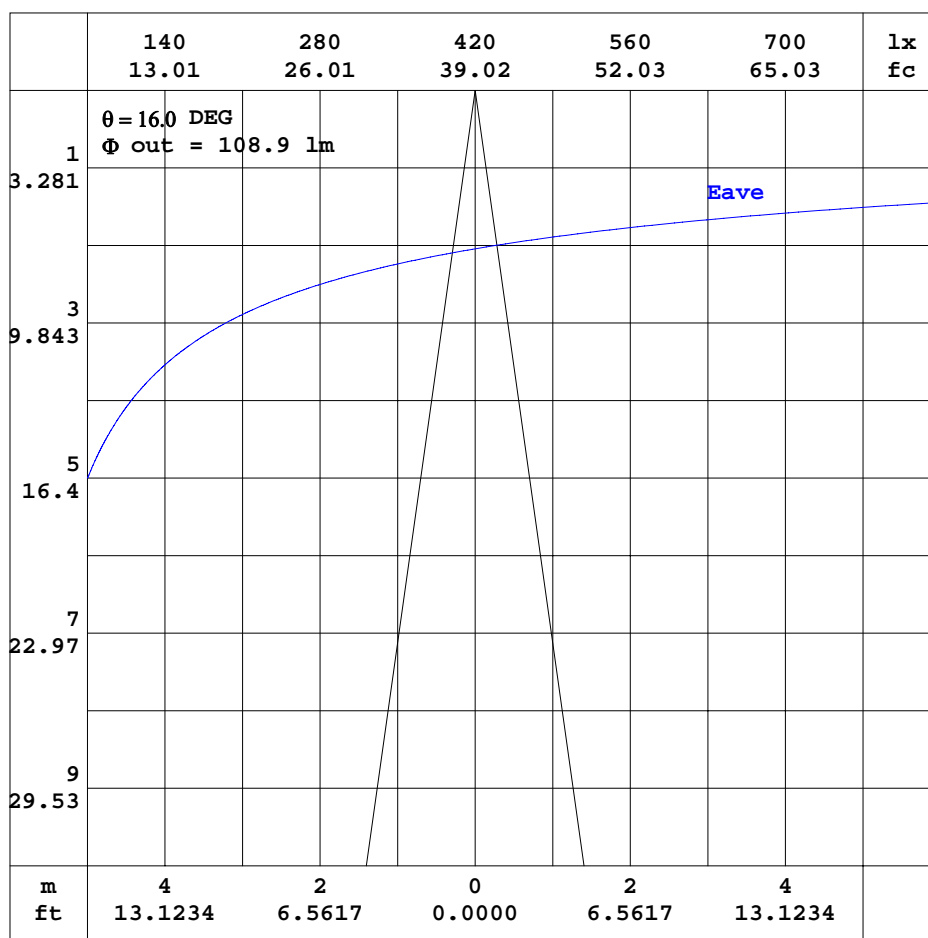


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	Shielding Angle:



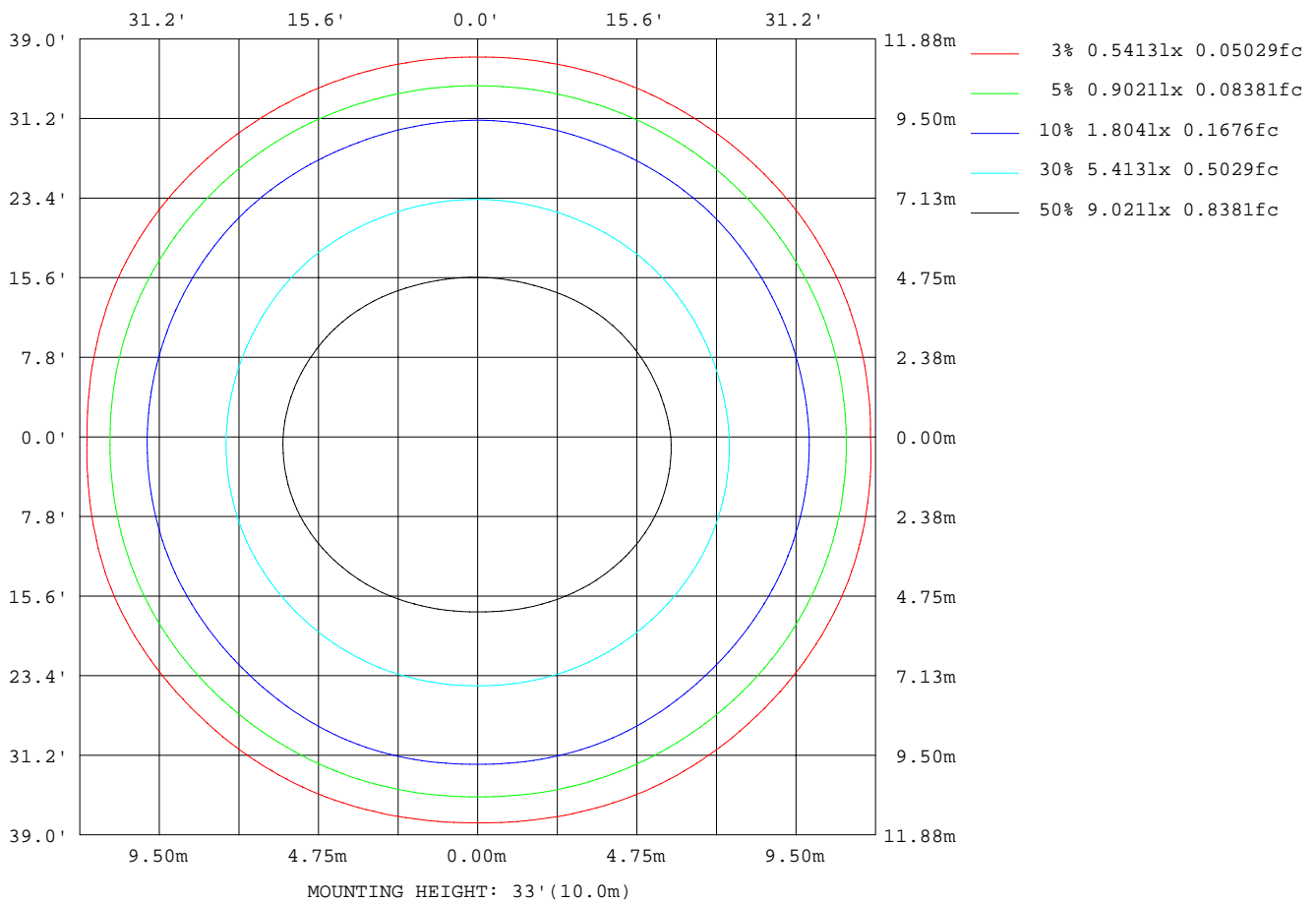
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	Shielding Angle:

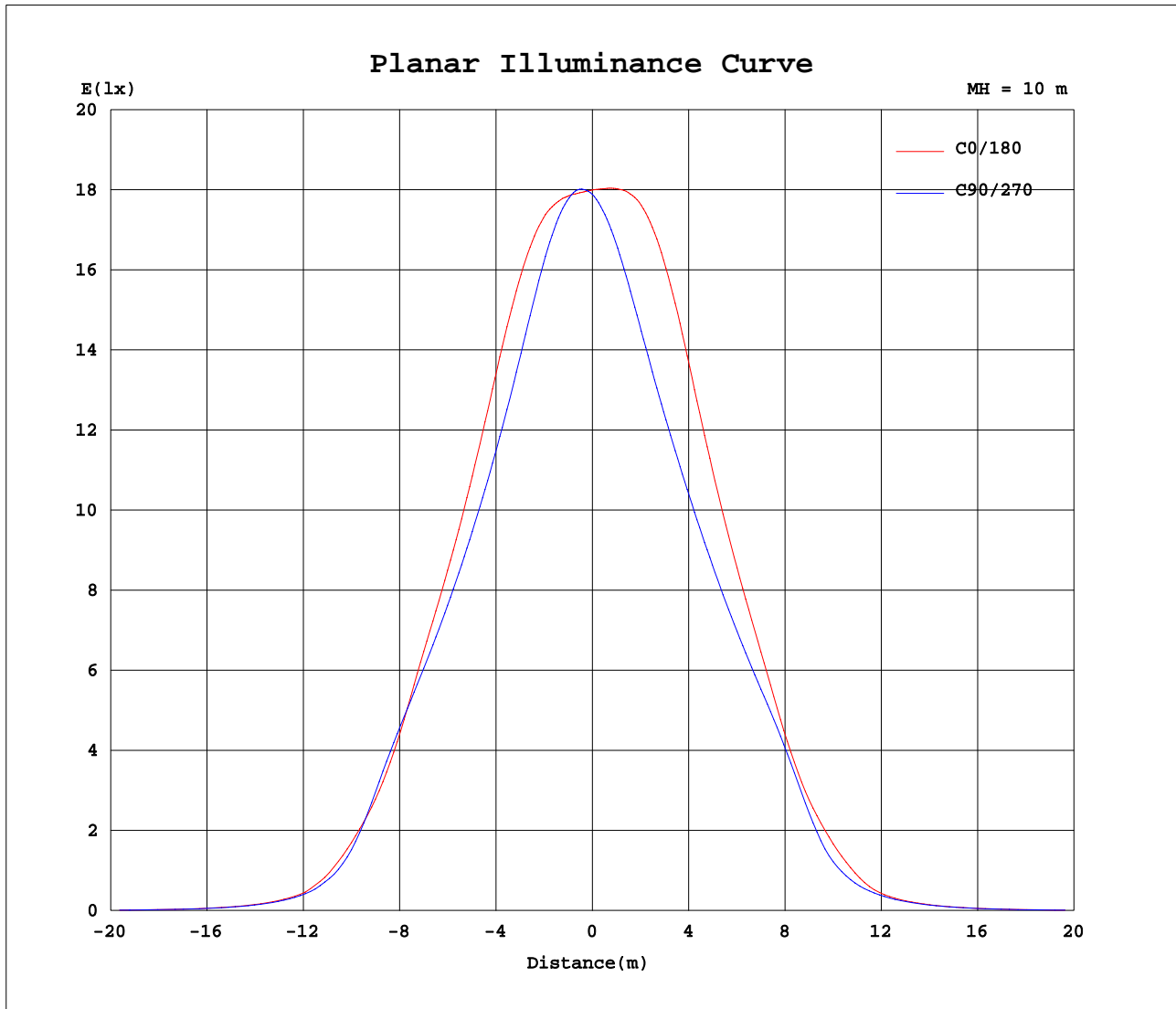
AvgL	cd/m2
L_0~180(65)av	555
L_0~180(75)av	25
L_0~180(85)av	58
L_90~270(65)av	497
L_90~270(75)av	26
L_90~270(85)av	53
L_45(65)av	840
L_45(75)av	65
L_45(85)av	56

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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: 2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1203*52*31						SERIAL No.:		
MFR.:									SUR.:0.8*0.042						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	1800	1799	1799	1798	1798	1797	1796	1795	1794	1793	1792	1791	1791	1790	1789	1789	1789	1789	1789
5	1808	1812	1815	1817	1819	1820	1820	1819	1819	1818	1816	1815	1814	1812	1811	1809	1808	1808	1807
10	1834	1841	1845	1847	1847	1844	1838	1831	1822	1813	1804	1794	1785	1776	1768	1760	1754	1750	1748
15	1821	1830	1836	1837	1834	1826	1814	1798	1781	1761	1741	1721	1701	1682	1664	1649	1636	1627	1623
20	1728	1740	1747	1748	1745	1735	1719	1699	1676	1651	1626	1600	1575	1551	1530	1511	1497	1486	1481
25	1567	1578	1585	1587	1585	1575	1560	1541	1520	1498	1475	1453	1432	1412	1394	1380	1368	1360	1356
30	1386	1396	1402	1404	1402	1395	1383	1369	1353	1336	1319	1304	1288	1274	1262	1252	1244	1239	1236
35	1177	1186	1191	1194	1195	1191	1184	1175	1166	1155	1147	1139	1131	1124	1117	1111	1106	1103	1101
40	825	833	840	846	852	855	858	859	861	863	869	874	880	884	886	886	885	883	882
45	481	485	488	488	488	485	480	475	469	464	463	462	461	460	456	448	441	435	430
50	174	183	189	194	196	197	195	192	188	184	182	181	179	177	174	169	165	161	158
55	70.2	72.7	74.9	76.8	78.4	79.8	80.9	81.7	82.0	81.8	80.6	79.0	77.1	75.0	72.7	70.2	68.1	66.4	65.2
60	26.1	26.7	27.4	28.2	29.1	30.5	32.2	33.8	35.0	35.8	34.7	33.2	31.3	29.3	27.7	26.4	25.4	24.7	24.3
65	7.86	8.10	8.41	8.77	9.19	9.80	10.6	11.3	11.8	12.2	11.7	11.0	10.2	9.32	8.60	8.08	7.66	7.38	7.23
70	1.64	1.86	2.07	2.26	2.43	2.60	2.76	2.88	2.97	3.01	2.91	2.76	2.59	2.40	2.22	2.05	1.91	1.81	1.75
75	0.13	0.09	0.07	0.06	0.08	0.13	0.22	0.31	0.39	0.44	0.39	0.31	0.22	0.13	0.09	0.08	0.09	0.11	0.12
80	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
85	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
90	14.0	13.4	13.1	14.9	16.3	21.2	26.8	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
95	188	216	244	271	297	329	365	394	413	417	369	309	243	176	126	94.3	72.3	59.5	56.1
100	807	826	844	861	877	905	941	964	967	942	811	659	498	342	233	176	141	126	129
105	1450	1470	1479	1474	1457	1432	1398	1346	1276	1182	1017	838	658	488	364	291	243	219	218
110	1793	1807	1806	1790	1760	1717	1662	1590	1497	1384	1204	1012	820	641	505	419	361	330	325
115	2055	2051	2034	2005	1963	1912	1852	1775	1680	1564	1380	1185	989	804	662	566	499	461	451
120	2211	2195	2169	2134	2089	2041	1988	1920	1834	1727	1547	1354	1159	974	829	728	656	614	600
125	2299	2284	2260	2229	2189	2148	2103	2045	1968	1871	1698	1512	1323	1142	999	898	825	780	765
130	2382	2373	2355	2329	2294	2255	2213	2156	2082	1988	1826	1650	1472	1302	1165	1070	1000	956	941
135	2469	2462	2446	2421	2387	2347	2302	2244	2170	2079	1928	1767	1604	1449	1326	1239	1175	1136	1123
140	2538	2532	2516	2491	2456	2413	2362	2300	2224	2135	2001	1859	1717	1583	1477	1401	1346	1313	1301
145	2576	2569	2553	2526	2490	2444	2388	2322	2246	2160	2046	1928	1811	1702	1615	1553	1509	1481	1472
150	2572	2562	2544	2517	2480	2433	2375	2310	2239	2161	2070	1977	1888	1805	1739	1691	1657	1636	1629
155	2513	2500	2481	2454	2421	2379	2329	2273	2213	2151	2084	2017	1953	1895	1848	1814	1789	1773	1768
160	2410	2396	2379	2357	2331	2299	2262	2223	2181	2138	2093	2049	2008	1970	1940	1918	1901	1891	1888
165	2294	2283	2271	2256	2239	2220	2197	2174	2149	2124	2099	2074	2051	2030	2013	2000	1990	1985	1982
170	2199	2192	2183	2175	2166	2156	2146	2135	2125	2114	2103	2092	2081	2072	2065	2059	2055	2053	2052
175	2138	2132	2127	2122	2118	2114	2112	2110	2108	2106	2104	2101	2099	2097	2096	2095	2094	2094	2094
180	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	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	1788	1788	1787	1787	1787	1786	1786	1785	1785	1784	1784	1784	1785	1787	1790	1794	1797	1800	1800
5	1808	1810	1812	1813	1815	1816	1817	1818	1819	1819	1819	1819	1820	1821	1823	1825	1825	1825	1820
10	1752	1757	1765	1773	1783	1793	1803	1813	1823	1833	1841	1849	1856	1861	1866	1868	1868	1865	1855
15	1628	1638	1652	1668	1688	1709	1731	1754	1776	1796	1814	1831	1845	1856	1864	1868	1867	1861	1845
20	1486	1496	1511	1529	1552	1577	1604	1632	1660	1687	1712	1734	1753	1767	1775	1778	1776	1767	1748
25	1360	1367	1378	1392	1410	1430	1452	1476	1499	1524	1546	1567	1585	1597	1604	1606	1603	1594	1576
30	1238	1243	1251	1260	1272	1285	1300	1315	1332	1349	1366	1382	1395	1405	1409	1410	1407	1400	1387
35	1102	1105	1110	1115	1122	1128	1136	1144	1152	1161	1170	1179	1185	1189	1189	1187	1182	1176	1166
40	884	886	888	890	888	884	879	874	868	866	863	861	857	853	846	839	831	824	816
45	435	442	450	458	462	463	462	462	462	467	472	477	482	483	482	480	476	472	467
50	161	164	169	173	176	178	179	180	182	186	189	192	194	193	188	182	176	171	172
55	66.1	67.6	69.5	71.7	73.9	75.8	77.7	79.2	80.5	81.0	81.1	80.6	79.7	77.8	74.9	72.0	69.4	67.2	67.5
60	24.6	25.2	26.1	27.3	28.8	30.7	32.5	34.0	35.1	34.6	33.6	32.3	30.8	29.4	28.2	27.1	26.2	25.5	25.3
65	7.35	7.62	8.02	8.52	9.22	10.1	10.9	11.6	12.1	11.8	11.3	10.7	10.0	9.43	8.94	8.50	8.15	7.91	7.88
70	1.83	1.95	2.10	2.28	2.47	2.65	2.82	2.96	3.06	3.07	3.03	2.95	2.83	2.64	2.39	2.14	1.93	1.77	1.83
75	0.10	0.08	0.07	0.07	0.12	0.23	0.33	0.43	0.49	0.42	0.33	0.23	0.13	0.10	0.14	0.20	0.25	0.31	0.28
80	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.12	0.14	0.16	0.18	0.18
85	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.11	0.14	0.18	0.21	0.23	0.22
90	0.10	0.11	0.12	0.13	0.13	0.12	0.11	0.10	0.09	0.09	0.08	0.08	0.09	0.11	0.16	0.20	0.24	0.28	0.29
95	64.6	81.8	107	140	187	245	302	352	390	380	357	325	287	250	217	189	167	154	171
100	131	151	190	251	363	523	685	838	966	979	962	925	875	837	814	795	782	774	787
105	227	258	313	391	518	687	865	1040	1201	1290	1356	1402	1431	1447	1453	1449	1440	1427	1430
110	340	381	447	539	674	848	1032	1215	1387	1497	1587	1658	1711	1748	1769	1778	1776	1766	1763
115	472	521	596	698	839	1016	1201	1385	1558	1670	1763	1837	1896	1943	1979	2003	2014	2012	1997
120	625	678	759	865	1009	1184	1368	1548	1715	1817	1899	1963	2012	2057	2096	2124	2140	2142	2124
125	791	846	927	1033	1174	1344	1520	1693	1851	1944	2017	2072	2114	2150	2183	2206	2219	2220	2206
130	966	1018	1096	1196	1328	1487	1652	1814	1963	2053	2124	2179	2219	2252	2279	2297	2305	2303	2294
135	1145	1192	1261	1351	1470	1613	1762	1909	2046	2134	2205	2261	2305	2340	2366	2383	2391	2389	2380
140	1320	1360	1419	1496	1599	1722	1851	1979	2100	2185	2257	2316	2364	2401	2428	2445	2453	2451	2443
145	1487	1519	1567	1630	1712	1812	1918	2024	2127	2206	2277	2338	2389	2429	2457	2475	2483	2482	2473
150	1640	1664	1701	1750	1813	1889	1970	2053	2135	2205	2269	2327	2377	2416	2444	2463	2472	2472	2462
155	1776	1793	1819	1854	1899	1953	2011	2071	2132	2187	2240	2288	2330	2364	2390	2408	2417	2418	2407
160	1892	1903	1920	1942	1971	2006	2045	2085	2126	2165	2202	2236	2267	2293	2312	2326	2333	2335	2325
165	1985	1991	2000	2013	2029	2049	2071	2094	2118	2141	2164	2185	2204	2220	2232	2241	2246	2246	2238
170	2053	2056	2060	2065	2072	2081	2091	2102	2112	2123	2133	2142	2151	2159	2165	2170	2172	2173	2167
175	2094	2095	2096	2097	2099	2102	2104	2107	2110	2113	2115	2118	2120	2123	2125	2126	2127	2126	2122
180	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0.042	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	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1791	1790	1789	1789	1789	1789	1789	1788	1788
5	1814	1806	1798	1789	1780	1771	1762	1753	1744	1736	1728	1721	1716	1711	1708	1706	1705	1705	1706
10	1842	1826	1807	1788	1766	1744	1721	1699	1677	1656	1636	1618	1604	1593	1585	1580	1578	1579	1583
15	1824	1800	1772	1741	1709	1677	1644	1611	1580	1551	1524	1501	1482	1467	1457	1450	1448	1449	1454
20	1722	1693	1661	1628	1594	1560	1526	1494	1463	1435	1409	1387	1368	1355	1346	1339	1337	1337	1341
25	1553	1528	1499	1471	1443	1415	1388	1361	1337	1314	1293	1275	1261	1250	1242	1237	1235	1234	1237
30	1370	1351	1331	1311	1291	1271	1251	1231	1212	1194	1178	1163	1151	1143	1136	1132	1130	1130	1131
35	1155	1143	1130	1119	1108	1097	1086	1075	1062	1050	1038	1027	1019	1013	1009	1007	1006	1006	1007
40	808	801	795	790	787	785	783	781	776	771	766	762	760	761	762	764	765	763	760
45	463	457	451	444	436	428	419	410	398	386	374	364	356	351	348	346	346	345	346
50	173	176	178	178	177	175	172	169	166	163	160	157	154	152	150	148	148	148	150
55	68.3	69.7	71.3	73.1	74.8	76.3	77.4	78.0	76.5	74.5	72.3	69.9	68.0	66.6	65.6	64.9	64.6	65.0	65.7
60	25.5	25.9	26.6	28.0	30.0	31.9	33.5	34.6	33.4	31.7	29.7	27.6	26.0	25.0	24.3	23.9	23.7	23.8	24.2
65	7.98	8.19	8.52	9.09	9.86	10.6	11.2	11.6	11.0	10.3	9.38	8.47	7.79	7.39	7.11	6.94	6.88	6.91	7.05
70	1.94	2.10	2.29	2.47	2.63	2.77	2.86	2.91	2.78	2.60	2.40	2.18	2.00	1.86	1.74	1.67	1.63	1.68	1.77
75	0.25	0.22	0.21	0.26	0.37	0.48	0.58	0.66	0.59	0.50	0.39	0.29	0.24	0.25	0.27	0.30	0.33	0.30	0.27
80	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18
85	0.21	0.20	0.18	0.18	0.19	0.21	0.22	0.23	0.22	0.21	0.19	0.18	0.17	0.19	0.20	0.21	0.22	0.21	0.20
90	0.29	0.29	0.28	0.27	0.27	0.27	0.28	26.9	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28
95	197	228	262	297	330	356	372	373	327	270	207	145	99.2	73.4	56.9	49.8	51.8	66.0	88.1
100	805	825	845	867	887	895	883	847	724	582	435	295	197	148	121	112	120	129	155
105	1429	1421	1403	1369	1317	1250	1166	1065	908	744	580	429	319	255	216	199	204	220	256
110	1751	1728	1692	1639	1567	1479	1375	1255	1085	909	736	575	454	379	329	305	306	329	376
115	1971	1931	1880	1818	1745	1658	1555	1436	1263	1081	902	735	606	520	461	430	426	455	510
120	2093	2050	1996	1938	1876	1800	1709	1601	1431	1252	1072	903	769	677	612	575	567	600	661
125	2181	2146	2101	2051	1997	1929	1846	1745	1583	1410	1236	1071	939	845	778	738	728	762	825
130	2274	2246	2208	2162	2109	2043	1962	1864	1712	1550	1388	1234	1109	1019	953	914	904	936	996
135	2362	2335	2298	2252	2197	2130	2049	1955	1816	1670	1524	1385	1273	1191	1132	1096	1086	1115	1170
140	2425	2398	2361	2314	2256	2188	2108	2018	1896	1769	1644	1526	1430	1359	1308	1277	1268	1292	1339
145	2455	2427	2390	2341	2282	2214	2138	2054	1952	1848	1747	1652	1574	1517	1475	1449	1442	1462	1501
150	2442	2414	2377	2331	2275	2213	2146	2074	1994	1913	1835	1764	1705	1661	1628	1609	1604	1620	1651
155	2388	2362	2328	2289	2243	2194	2141	2086	2027	1968	1913	1862	1820	1789	1766	1752	1749	1762	1784
160	2309	2288	2262	2232	2200	2165	2128	2091	2052	2014	1978	1945	1918	1898	1883	1875	1874	1883	1898
165	2227	2212	2194	2175	2156	2135	2113	2092	2070	2049	2029	2011	1997	1986	1978	1974	1974	1980	1989
170	2159	2150	2140	2130	2121	2112	2102	2093	2084	2075	2067	2060	2054	2049	2047	2045	2046	2049	2055
175	2117	2112	2107	2103	2101	2099	2098	2097	2095	2093	2092	2091	2090	2090	2090	2090	2091	2093	2095
180	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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:229.68V I:0.3624A P:81.413W PF:0.9780 Freq:49.99Hz Lamp Flux:11008.1x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1203*52*31						SERIAL No.:		
MFR.:									SUR.:0.8*0.042						Shielding Angle:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1787	1787	1787	1786	1786	1785	1785	1784	1784	1784	1785	1786	1789	1792	1795				
5	1708	1711	1715	1720	1726	1733	1740	1746	1752	1759	1766	1773	1781	1790	1799				
10	1589	1599	1611	1626	1643	1661	1680	1698	1717	1735	1753	1770	1787	1803	1819				
15	1463	1475	1491	1511	1534	1558	1585	1612	1640	1668	1696	1723	1749	1774	1798				
20	1348	1358	1373	1392	1414	1438	1464	1492	1522	1552	1583	1613	1642	1671	1699				
25	1242	1250	1261	1277	1294	1314	1336	1359	1384	1410	1436	1462	1488	1514	1540				
30	1136	1142	1152	1165	1179	1196	1213	1230	1248	1266	1285	1304	1324	1344	1365				
35	1009	1014	1021	1030	1041	1052	1064	1074	1083	1094	1105	1117	1130	1145	1161				
40	758	756	757	760	764	768	772	773	774	776	778	784	791	801	812				
45	348	352	359	369	380	391	402	411	419	427	436	444	453	462	472				
50	151	154	157	160	163	167	170	173	175	177	179	179	179	178	177				
55	66.9	68.4	70.5	73.1	75.7	78.0	79.8	79.5	78.7	77.4	75.9	74.6	73.5	72.4	71.3				
60	24.9	25.9	27.7	30.0	32.4	34.4	35.8	34.7	33.1	31.1	29.0	27.5	26.8	26.3	26.0				
65	7.32	7.72	8.45	9.45	10.4	11.3	11.9	11.5	10.8	9.95	9.10	8.48	8.15	7.93	7.84				
70	1.90	2.05	2.23	2.45	2.65	2.81	2.93	2.86	2.74	2.57	2.39	2.22	2.08	1.93	1.78				
75	0.25	0.24	0.29	0.39	0.50	0.60	0.66	0.59	0.49	0.37	0.25	0.17	0.13	0.11	0.11				
80	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.17	0.15	0.13				
85	0.19	0.18	0.18	0.19	0.21	0.22	0.23	0.22	0.21	0.20	0.18	0.16	0.15	0.13	0.12				
90	0.27	0.27	0.27	0.27	0.27	0.27	32.5	0.27	0.28	0.28	0.27	0.26	0.23	0.20	0.15				
95	117	152	197	249	299	343	376	371	355	330	300	274	253	232	210				
100	198	260	367	513	661	801	919	937	929	903	867	841	830	821	813				
105	315	395	518	679	848	1014	1168	1257	1325	1375	1410	1437	1457	1466	1463				
110	447	542	677	848	1028	1207	1375	1487	1578	1652	1709	1754	1785	1802	1805				
115	591	697	841	1018	1203	1387	1560	1677	1774	1854	1918	1971	2012	2040	2054				
120	749	861	1009	1188	1373	1556	1727	1836	1926	1998	2056	2105	2148	2180	2201				
125	915	1028	1176	1352	1534	1713	1877	1977	2057	2119	2167	2209	2246	2274	2291				
130	1082	1191	1332	1501	1675	1845	2003	2099	2174	2233	2278	2316	2348	2369	2381				
135	1248	1347	1477	1633	1794	1953	2101	2194	2269	2329	2375	2412	2442	2462	2471				
140	1406	1493	1607	1745	1888	2031	2164	2255	2332	2394	2444	2484	2514	2533	2541				
145	1556	1628	1723	1837	1957	2078	2193	2280	2357	2422	2476	2519	2550	2570	2578				
150	1694	1751	1824	1912	2006	2101	2195	2273	2345	2409	2465	2508	2540	2561	2572				
155	1817	1858	1911	1974	2041	2110	2180	2244	2304	2360	2409	2448	2477	2497	2509				
160	1920	1948	1983	2024	2069	2115	2161	2206	2249	2289	2325	2354	2376	2393	2404				
165	2003	2019	2040	2064	2089	2116	2142	2169	2194	2218	2240	2258	2271	2282	2290				
170	2062	2070	2080	2091	2103	2115	2127	2139	2151	2162	2172	2181	2187	2193	2197				
175	2098	2100	2103	2107	2110	2113	2116	2120	2123	2126	2129	2131	2133	2135	2137				
180	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116	2116				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-11-01

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: