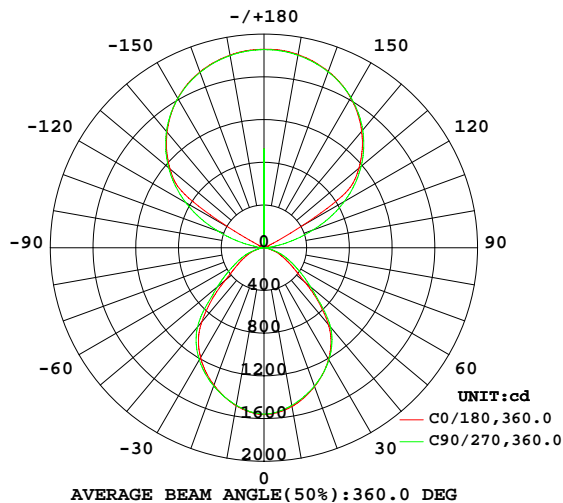


LUMINAIRE PHOTOMETRIC TEST REPORT

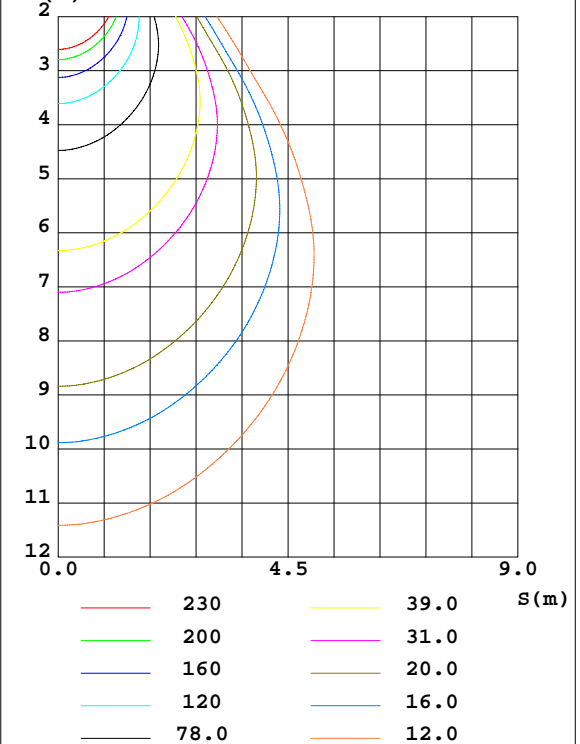
Test:U:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.60 lm/W			
MODEL		Imax(cd)	1859	S/MH(C0/180)	1.16
NOMINAL POWER(W)	70	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7835.5	η UP,DN(C0-180)	31.2,19.0
NOMINAL FLUX(lm)	7835.45	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	30.9,18.9
LAMPS INSIDE	1	η up(%)	62.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	37.9	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:2023-02-14

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:

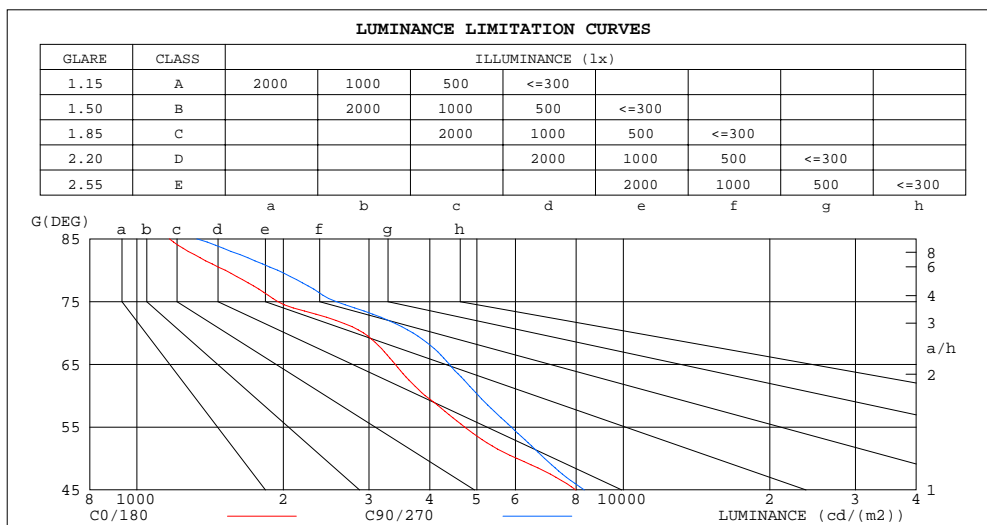
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1510	1499	1499	1493	1502	1491	1497	1493	0- 10	145.6	145.6	1.86,1.86
20	1384	1360	1379	1352	1370	1346	1377	1354	10- 20	404.7	550.3	7.02,7.02
30	1208	1169	1214	1157	1188	1150	1212	1162	20- 30	588.1	1138	14.5,14.5
40	938.9	901.4	968.6	885.4	908.3	875.9	969.2	892.8	30- 40	661.1	1800	23,23
50	500.1	501.0	570.4	486.6	470.3	482.0	569.8	493.6	40- 50	540.4	2340	29.9,29.9
60	252.1	265.1	324.6	260.5	251.5	256.5	321.4	259.1	50- 60	331.4	2671	34.1,34.1
70	128.8	127.8	162.7	134.6	131.3	130.4	163.2	125.4	60- 70	195.0	2866	36.6,36.6
80	33.98	28.04	43.54	36.80	46.99	35.40	43.37	26.65	70- 80	81.77	2948	37.6,37.6
90	2.148	2.895	2.560	7.543	10.85	6.710	1.665	1.959	80- 90	19.54	2968	37.9,37.9
100	24.04	23.41	135.4	23.64	24.88	22.40	112.6	22.37	90-100	18.23	2986	38.1,38.1
110	37.39	129.7	485.0	95.96	38.22	108.4	459.7	80.03	100-110	122.2	3108	39.7,39.7
120	417.4	839.7	870.0	840.4	382.9	811.3	844.1	825.3	110-120	427.8	3536	45.1,45.1
130	1160	1165	1187	1164	1149	1141	1165	1153	120-130	876.7	4413	56.3,56.3
140	1423	1430	1438	1428	1413	1413	1421	1421	130-140	1001	5413	69.1,69.1
150	1623	1625	1626	1623	1616	1613	1614	1619	140-150	956.5	6370	81.3,81.3
160	1758	1757	1754	1755	1753	1750	1748	1754	150-160	781.3	7151	91.3,91.3
170	1837	1835	1830	1833	1832	1829	1827	1834	160-170	508.3	7659	97.8,97.8
180	1859	1859	1859	1859	1859	1859	1859	1859	170-180	176.1	7835	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:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1167	1328
80	1519	1947
75	1947	2568
70	2924	3694
65	3398	4391
60	3914	5041
55	4715	5883
50	6040	6890
45	7986	8314

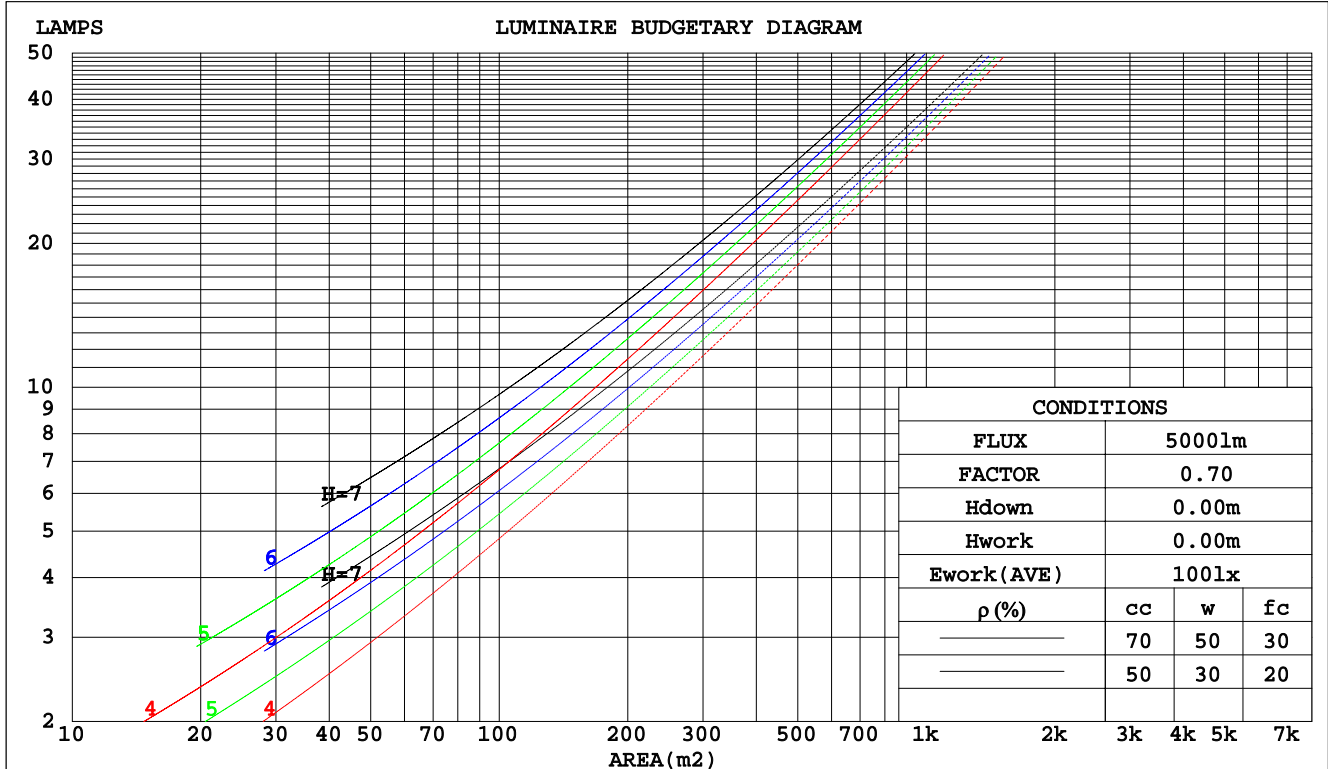
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	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	1.04	1.04	1.04	.95	.95	.95	.77	.77	.77	.60	.60	.60	.45	.45	.45	.38
1.0	.92	.88	.85	.84	.81	.78	.68	.66	.64	.54	.53	.51	.41	.40	.39	.33
2.0	.81	.75	.71	.74	.69	.65	.61	.57	.54	.48	.46	.44	.37	.35	.34	.29
3.0	.72	.65	.60	.66	.60	.55	.54	.50	.46	.43	.40	.38	.33	.31	.30	.25
4.0	.64	.57	.51	.59	.52	.47	.48	.44	.40	.39	.36	.33	.30	.28	.26	.22
5.0	.57	.50	.44	.53	.46	.41	.44	.39	.35	.35	.32	.29	.27	.25	.23	.20
6.0	.52	.44	.38	.47	.41	.36	.39	.34	.31	.32	.29	.26	.25	.23	.21	.18
7.0	.47	.39	.34	.43	.36	.32	.36	.31	.27	.29	.26	.23	.23	.21	.19	.16
8.0	.42	.35	.30	.39	.33	.28	.33	.28	.24	.27	.23	.21	.21	.19	.17	.15
9.0	.39	.32	.27	.36	.29	.25	.30	.25	.22	.25	.21	.19	.20	.17	.15	.13
10.0	.36	.29	.24	.33	.27	.23	.28	.23	.20	.23	.19	.17	.18	.16	.14	.12



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	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	.255	.145	.046	.229	.131	.041	.181	.104	.033	.137	.079	.025	.096	.056	.018	
2.0	.238	.131	.040	.215	.118	.036	.171	.095	.030	.131	.073	.023	.093	.053	.017	
3.0	.222	.118	.035	.201	.107	.032	.160	.087	.026	.123	.068	.021	.089	.049	.015	
4.0	.207	.107	.032	.187	.098	.029	.150	.080	.024	.116	.062	.019	.084	.046	.014	
5.0	.193	.098	.028	.175	.090	.026	.141	.073	.022	.109	.058	.017	.079	.042	.013	
6.0	.180	.090	.026	.164	.083	.024	.132	.068	.020	.103	.053	.016	.075	.040	.012	
7.0	.169	.084	.024	.154	.077	.022	.124	.063	.018	.097	.050	.014	.071	.037	.011	
8.0	.159	.078	.022	.145	.071	.020	.117	.059	.017	.092	.046	.013	.067	.035	.010	
9.0	.150	.072	.020	.136	.066	.019	.111	.055	.016	.087	.043	.012	.064	.032	.009	
10.0	.141	.068	.019	.129	.062	.017	.105	.051	.014	.082	.041	.012	.061	.031	.009	

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	.664	.664	.664	.567	.567	.567	.387	.387	.387	.222	.222	.222	.071	.071	.071	
1.0	.654	.634	.616	.559	.544	.530	.383	.374	.367	.220	.217	.213	.071	.070	.069	
2.0	.646	.613	.585	.553	.527	.506	.379	.365	.353	.218	.212	.207	.070	.069	.067	
3.0	.638	.597	.564	.547	.515	.489	.376	.358	.343	.217	.209	.202	.070	.068	.066	
4.0	.632	.585	.550	.542	.506	.478	.373	.352	.336	.216	.206	.199	.069	.067	.065	
5.0	.625	.576	.540	.537	.498	.469	.370	.348	.331	.214	.204	.197	.069	.067	.065	
6.0	.619	.569	.532	.532	.492	.463	.367	.345	.328	.213	.203	.195	.069	.066	.064	
7.0	.614	.563	.527	.528	.488	.459	.365	.342	.325	.212	.201	.194	.068	.066	.064	
8.0	.608	.558	.523	.524	.484	.456	.362	.340	.323	.211	.200	.193	.068	.066	.064	
9.0	.603	.553	.519	.520	.480	.453	.360	.338	.322	.210	.199	.192	.068	.065	.064	
10.0	.599	.550	.517	.516	.477	.451	.358	.336	.320	.209	.199	.191	.068	.065	.063	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1406*96*58			SERIAL No.:			
MFR.: A4453019-01					SUR.:1.14*0.092			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		13.5	14.3	14.4	15.2	16.5	13.6	14.4	14.6	15.4	16.6
	3H	13.9	14.6	14.9	15.6	16.9	14.2	14.9	15.2	15.9	17.2
	4H	14.0	14.6	15.0	15.6	16.9	14.4	15.0	15.4	16.0	17.3
	6H	13.9	14.5	14.9	15.5	16.9	14.4	15.0	15.4	16.0	17.3
	8H	13.8	14.4	14.9	15.4	16.8	14.3	14.9	15.3	15.9	17.3
	12H	13.8	14.3	14.8	15.4	16.7	14.3	14.8	15.3	15.8	17.2
4H	2H	13.4	14.1	14.4	15.1	16.4	13.6	14.2	14.6	15.2	16.5
	3H	14.0	14.6	15.1	15.6	17.0	14.3	14.8	15.3	15.8	17.2
	4H	14.1	14.6	15.2	15.6	17.0	14.5	15.0	15.5	16.0	17.4
	6H	14.1	14.5	15.2	15.6	17.0	14.5	14.9	15.6	16.0	17.4
	8H	14.0	14.4	15.1	15.5	16.9	14.5	14.9	15.6	15.9	17.4
	12H	14.0	14.3	15.1	15.4	16.9	14.4	14.8	15.5	15.9	17.3
8H	4H	14.0	14.4	15.0	15.4	16.8	14.3	14.7	15.4	15.8	17.2
	6H	14.0	14.3	15.1	15.4	16.8	14.4	14.7	15.5	15.8	17.2
	8H	14.0	14.2	15.1	15.3	16.8	14.4	14.7	15.5	15.8	17.2
	12H	13.9	14.2	15.0	15.3	16.7	14.4	14.6	15.5	15.7	17.2
12H	4H	13.9	14.2	15.0	15.3	16.7	14.2	14.6	15.3	15.6	17.1
	6H	13.9	14.2	15.0	15.3	16.7	14.3	14.6	15.4	15.7	17.1
	8H	13.9	14.1	15.0	15.2	16.7	14.3	14.5	15.4	15.7	17.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.9					+ 0.6 / - 0.7					
1.5H	+ 0.5 / - 0.7					+ 0.5 / - 0.9					
2.0H	+ 1.6 / - 1.3					+ 1.6 / - 1.8					

CIE Pub.117, 7835 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.2$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	Shielding Angle:

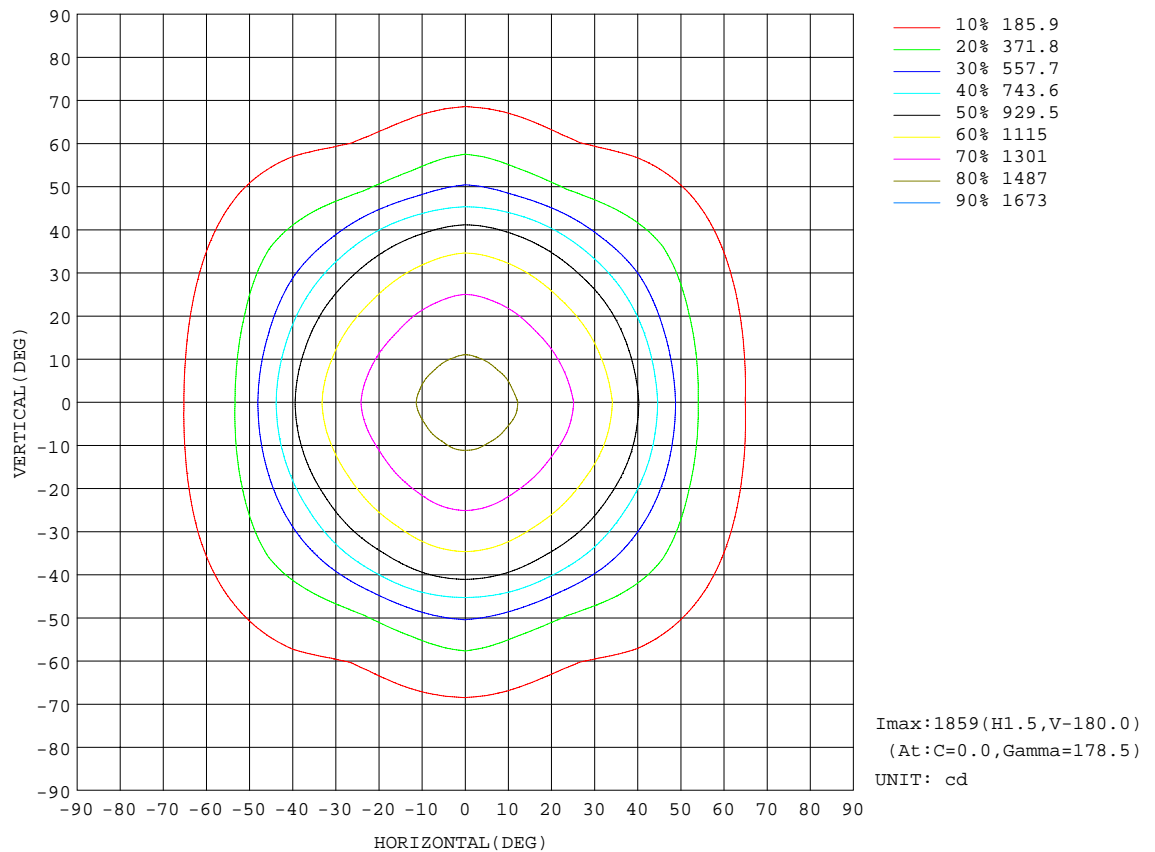
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	34	29	41	33	27	36	29	25	17
0.80	54	43	37	50	41	35	43	36	31	21
1.00	61	50	44	56	47	41	48	42	37	24
1.25	68	58	51	62	54	48	52	46	42	26
1.50	73	63	56	67	58	53	56	50	46	28
2.00	79	71	64	73	65	60	60	55	51	30
2.50	83	76	69	76	70	64	63	58	55	31
3.00	87	80	74	79	73	68	65	61	58	32
4.00	91	85	80	83	78	74	68	64	62	34
5.00	93	88	84	85	81	77	69	67	64	34
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:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	Shielding Angle:

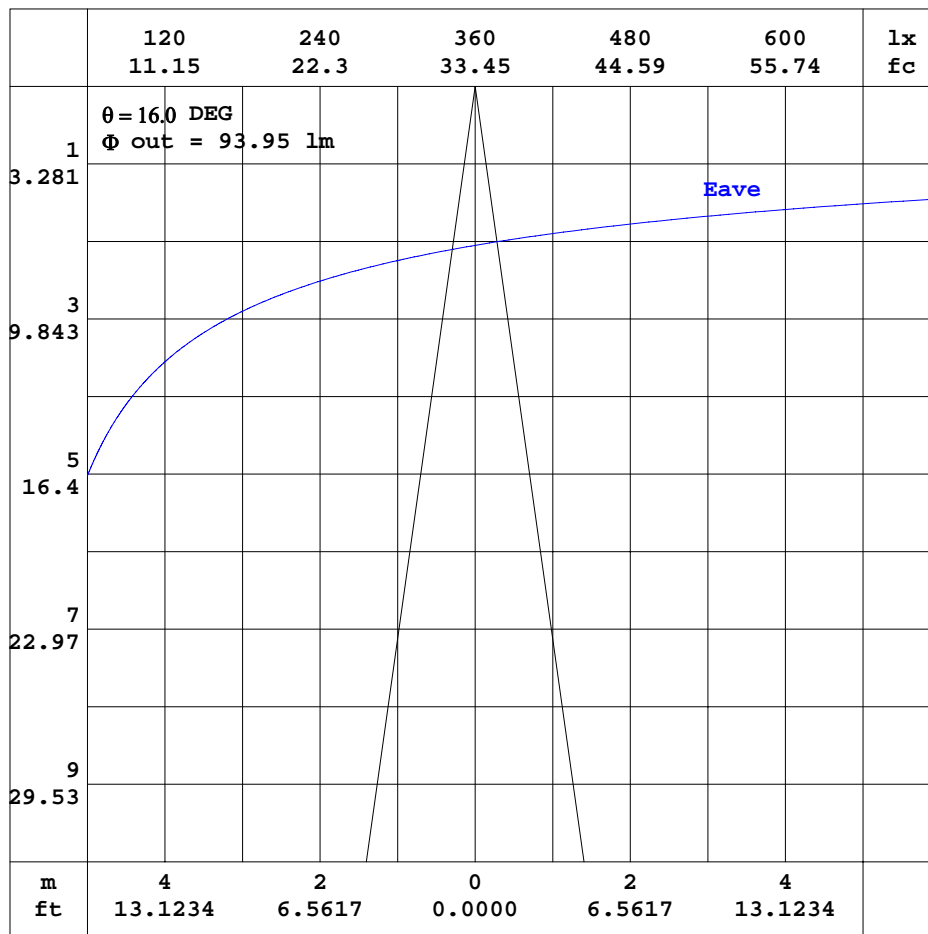


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	Shielding Angle:



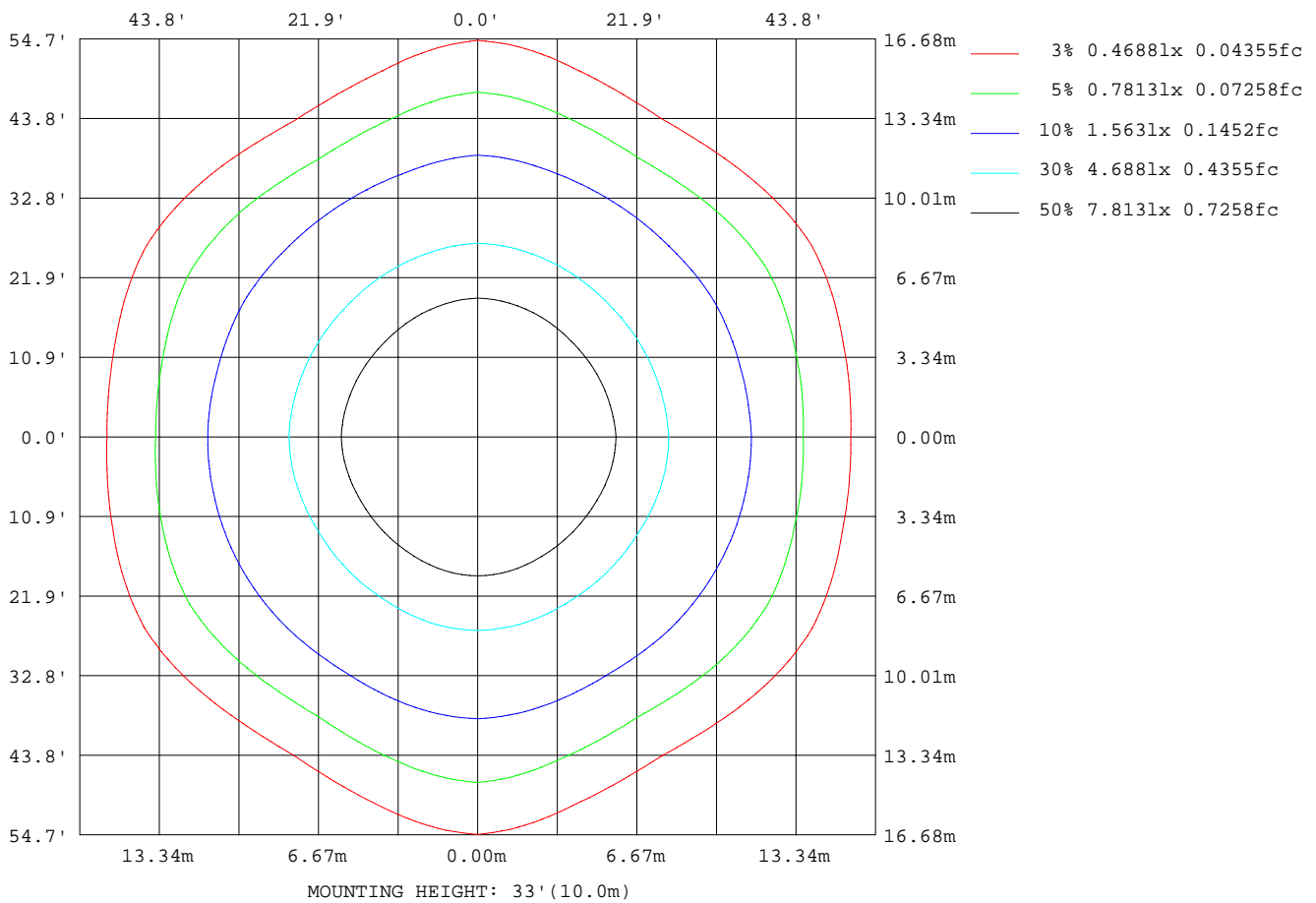
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1406*96*58	SERIAL No.:
MFR.: A4453019-01	SUR.:1.14*0.092	Shielding Angle:

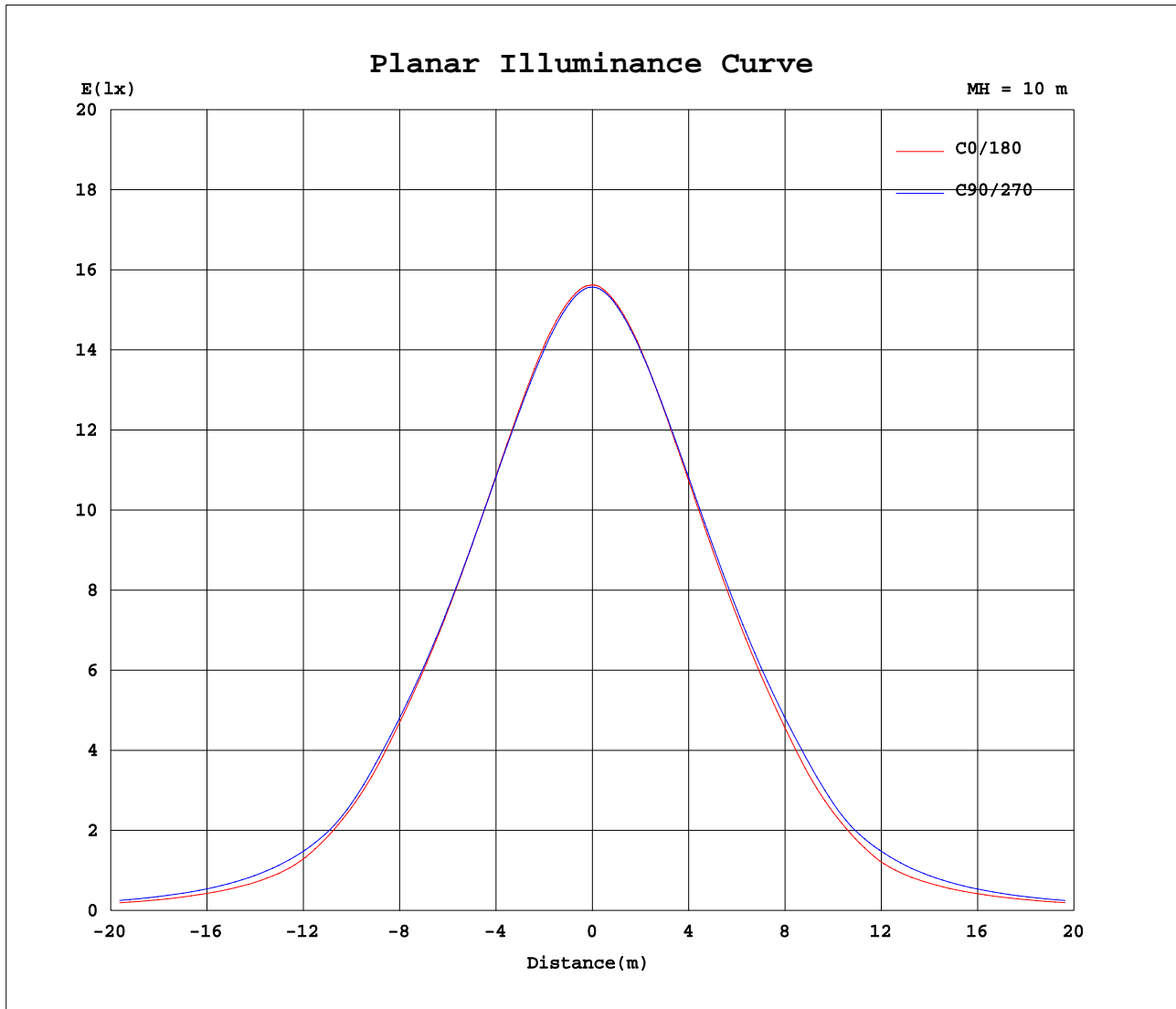
AvgL	cd/m2
L_0~180(65)av	3429
L_0~180(75)av	2086
L_0~180(85)av	1791
L_90~270(65)av	4391
L_90~270(75)av	2567
L_90~270(85)av	1345
L_45(65)av	3492
L_45(75)av	2133
L_45(85)av	1431

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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: 2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1406*96*58						SERIAL No.:		
MFR.: A4453019-01									SUR.:1.14*0.092						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	1563	1562	1562	1561	1561	1560	1560	1559	1559	1559	1559	1558	1558	1558	1558	1557	1557	1557	1557
5	1547	1547	1547	1546	1545	1544	1543	1543	1542	1542	1542	1541	1541	1541	1541	1541	1540	1540	1540
10	1510	1510	1509	1508	1506	1503	1501	1500	1499	1499	1498	1497	1496	1497	1498	1499	1499	1499	1499
15	1453	1453	1452	1450	1446	1443	1439	1438	1438	1437	1437	1436	1436	1438	1440	1442	1443	1444	1444
20	1384	1383	1380	1377	1372	1367	1363	1361	1360	1360	1361	1362	1363	1367	1370	1373	1376	1378	1379
25	1304	1301	1298	1294	1287	1280	1274	1272	1271	1271	1272	1274	1277	1283	1289	1295	1299	1302	1303
30	1208	1205	1201	1195	1187	1179	1172	1170	1169	1169	1171	1173	1177	1185	1194	1202	1208	1212	1214
35	1093	1089	1084	1078	1069	1060	1052	1050	1049	1050	1051	1054	1059	1069	1080	1091	1099	1105	1107
40	939	936	931	926	916	907	900	898	899	901	903	905	911	922	935	948	958	965	969
45	727	724	719	713	702	692	684	684	687	691	693	697	703	715	728	740	749	755	757
50	500	505	508	511	513	514	513	511	506	501	492	485	482	494	510	529	547	562	570
55	348	351	355	362	373	383	390	384	375	363	350	340	334	342	356	374	399	421	435
60	252	256	261	266	275	282	286	282	275	265	253	243	237	244	257	273	294	313	325
65	185	189	192	195	197	198	199	198	195	191	183	175	171	178	189	202	217	231	239
70	129	130	131	131	130	128	127	127	128	128	125	123	123	128	136	144	152	159	163
75	64.9	64.5	64.1	63.8	63.2	62.8	63.0	64.7	66.8	68.8	69.7	70.5	71.5	73.8	76.5	79.3	82.0	84.2	85.6
80	34.0	33.8	33.4	32.7	31.6	30.4	29.3	28.5	28.0	28.0	28.9	30.2	31.9	34.2	36.6	38.9	40.9	42.5	43.5
85	13.1	13.0	12.9	12.7	12.3	11.9	11.6	11.4	11.4	11.5	11.9	12.3	12.8	13.3	13.7	14.2	14.3	14.5	14.9
90	2.15	2.17	2.23	2.30	2.42	2.55	2.68	2.75	2.82	2.90	3.03	3.18	3.34	3.59	3.78	3.84	3.31	2.81	2.56
95	12.8	12.9	13.0	13.1	13.2	13.3	13.5	13.7	13.8	14.0	13.5	13.2	13.3	14.0	16.9	21.7	26.6	30.8	33.8
100	24.0	24.3	24.4	24.5	24.5	24.2	23.8	23.5	23.3	23.4	20.8	19.6	20.8	25.4	42.0	69.3	96.3	119	135
105	30.8	30.7	30.6	30.5	30.5	26.3	19.1	15.8	18.8	30.7	77.0	130	185	238	274	291	300	303	301
110	37.4	29.8	26.7	28.0	33.8	41.7	52.4	69.6	94.9	130	197	270	343	411	456	477	487	489	485
115	51.0	16.1	6.21	21.3	61.3	146	268	399	525	636	661	665	656	640	637	652	666	679	688
120	417	479	538	592	643	692	738	779	814	840	844	842	836	829	830	841	853	863	870
125	985	991	996	1001	1004	1007	1009	1010	1010	1010	1008	1006	1004	1004	1008	1017	1025	1032	1037
130	1160	1161	1162	1163	1164	1164	1165	1165	1165	1165	1164	1163	1163	1166	1172	1178	1184	1187	
135	1301	1301	1301	1301	1301	1302	1303	1304	1305	1306	1305	1305	1305	1305	1307	1311	1315	1318	1321
140	1423	1423	1422	1423	1423	1424	1426	1427	1429	1430	1430	1429	1429	1429	1430	1432	1435	1437	1438
145	1531	1530	1530	1530	1530	1531	1532	1533	1535	1536	1536	1535	1535	1535	1536	1537	1538	1539	1540
150	1623	1623	1622	1622	1622	1622	1623	1623	1624	1625	1625	1625	1625	1625	1625	1625	1626	1626	1626
155	1699	1698	1697	1697	1697	1697	1697	1697	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1697
160	1758	1758	1757	1757	1756	1756	1756	1757	1757	1757	1757	1757	1757	1756	1756	1756	1755	1755	1754
165	1804	1803	1803	1802	1802	1802	1802	1802	1802	1803	1802	1802	1801	1801	1800	1799	1799	1798	1798
170	1837	1836	1836	1836	1835	1835	1835	1835	1835	1835	1834	1834	1833	1832	1832	1831	1831	1831	1830
175	1856	1855	1855	1854	1854	1853	1853	1853	1853	1853	1852	1852	1851	1851	1851	1851	1850	1850	1850
180	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1406*96*58					SERIAL No.:				
MFR.: A4453019-01									SUR.:1.14*0.092					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	1557	1557	1557	1557	1557	1557	1557	1557	1557	1557	1558	1558	1558	1558	1558	1560	1561	1563	1563
5	1540	1540	1540	1540	1539	1538	1538	1539	1539	1539	1538	1538	1538	1539	1539	1541	1542	1543	1543
10	1499	1499	1498	1497	1495	1493	1493	1493	1493	1493	1493	1494	1495	1496	1497	1499	1501	1502	1501
15	1444	1443	1441	1438	1435	1432	1431	1431	1431	1430	1429	1429	1430	1433	1436	1438	1441	1442	1440
20	1378	1376	1373	1368	1364	1359	1356	1354	1352	1350	1349	1349	1352	1356	1360	1364	1368	1370	1367
25	1302	1299	1294	1287	1280	1273	1268	1264	1261	1259	1258	1258	1262	1267	1273	1279	1284	1286	1283
30	1212	1208	1201	1191	1181	1172	1166	1161	1157	1155	1154	1155	1159	1165	1172	1179	1185	1188	1184
35	1105	1099	1090	1078	1066	1054	1046	1040	1036	1033	1032	1032	1037	1044	1051	1060	1066	1070	1065
40	966	959	948	934	918	903	895	889	885	880	877	876	880	887	894	901	906	908	903
45	755	749	740	726	710	695	686	678	672	665	660	657	662	668	676	684	691	694	689
50	564	550	532	511	491	475	475	479	487	492	497	500	498	495	490	483	476	470	472
55	423	403	379	359	343	332	334	342	353	365	375	382	377	368	357	348	341	337	338
60	315	298	278	261	246	236	240	249	260	270	279	284	282	277	270	263	256	252	253
65	233	221	207	193	181	172	176	184	192	197	200	201	202	201	200	196	191	188	189
70	160	154	147	139	132	127	128	131	135	134	132	130	131	133	134	133	132	131	131
75	84.8	83.2	81.3	80.1	79.1	78.2	77.6	76.9	76.0	73.8	71.6	69.9	70.1	70.9	72.0	73.0	73.8	74.2	73.2
80	43.7	43.3	42.7	42.1	41.3	40.3	38.9	37.6	36.8	37.4	38.6	40.2	41.9	43.6	45.1	46.2	46.8	47.0	46.4
85	16.1	17.5	18.8	19.3	19.7	20.1	20.6	21.2	21.9	22.8	23.7	24.5	25.3	26.0	26.5	26.9	27.1	27.1	26.8
90	3.43	4.53	5.64	6.08	6.37	6.57	6.90	7.23	7.54	7.79	8.04	8.31	8.65	9.02	9.43	10.0	10.5	10.9	10.6
95	30.9	26.7	21.9	17.1	14.3	13.7	13.8	14.2	14.8	14.5	14.2	13.8	13.5	13.4	13.4	13.4	13.4	13.4	13.2
100	118	92.9	64.5	36.2	19.8	16.4	16.8	19.6	23.6	23.9	24.1	24.4	24.6	24.8	24.9	24.9	24.9	24.9	24.8
105	303	300	291	274	238	185	130	77.1	30.8	18.9	15.9	19.3	26.5	30.9	31.1	31.3	31.4	31.5	31.4
110	490	489	478	457	406	330	249	168	96.0	66.5	48.7	40.0	37.9	36.7	34.9	34.9	36.3	38.2	35.8
115	678	665	649	633	633	646	652	644	616	505	379	249	128	54.2	31.2	26.2	34.3	50.4	38.9
120	861	849	836	824	823	834	842	846	840	802	754	700	641	577	511	453	409	383	419
125	1031	1023	1013	1004	1000	1002	1004	1007	1010	1008	1005	1002	997	991	984	977	971	967	971
130	1183	1177	1171	1165	1161	1161	1162	1163	1164	1162	1160	1157	1154	1152	1151	1150	1149	1149	1149
135	1318	1315	1310	1306	1304	1304	1304	1304	1304	1301	1299	1296	1293	1291	1290	1290	1289	1289	1289
140	1437	1434	1432	1429	1428	1428	1428	1428	1428	1426	1423	1420	1417	1415	1414	1413	1413	1413	1412
145	1539	1538	1537	1535	1534	1535	1535	1535	1535	1532	1530	1527	1524	1523	1522	1522	1521	1521	1521
150	1626	1625	1625	1624	1624	1624	1624	1624	1623	1622	1620	1619	1618	1617	1616	1616	1616	1616	1615
155	1697	1697	1697	1697	1697	1697	1697	1697	1697	1696	1695	1694	1693	1693	1693	1693	1693	1693	1692
160	1754	1754	1754	1755	1755	1755	1755	1755	1755	1755	1754	1754	1753	1753	1753	1753	1753	1753	1752
165	1798	1798	1799	1799	1799	1800	1800	1800	1800	1800	1799	1799	1798	1798	1798	1798	1799	1799	1798
170	1830	1830	1830	1830	1830	1831	1831	1832	1833	1832	1832	1832	1832	1832	1831	1831	1832	1832	1831
175	1850	1850	1850	1850	1850	1850	1851	1851	1851	1851	1852	1852	1852	1852	1852	1852	1853	1853	1852
180	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1406*96*58					SERIAL No.:				
MFR.: A4453019-01									SUR.:1.14*0.092					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	1562	1561	1561	1560	1560	1559	1559	1559	1559	1558	1558	1558	1558	1557	1557	1557	1557	1557	1557
5	1542	1541	1540	1540	1540	1539	1538	1538	1538	1538	1539	1538	1538	1538	1538	1539	1539	1539	1538
10	1499	1498	1496	1496	1495	1493	1492	1491	1491	1492	1493	1493	1493	1493	1494	1495	1497	1497	1496
15	1437	1434	1433	1431	1429	1428	1427	1426	1427	1429	1431	1432	1434	1435	1438	1441	1443	1442	1440
20	1363	1359	1355	1352	1350	1348	1346	1346	1349	1353	1357	1360	1363	1366	1371	1375	1377	1376	1373
25	1278	1271	1267	1263	1259	1256	1255	1255	1258	1263	1269	1275	1280	1286	1292	1298	1301	1299	1295
30	1177	1170	1164	1160	1156	1152	1150	1150	1155	1161	1168	1176	1184	1191	1200	1208	1212	1210	1204
35	1057	1049	1043	1038	1034	1030	1028	1028	1033	1041	1050	1059	1069	1079	1091	1100	1106	1103	1095
40	896	888	884	881	878	876	875	876	882	891	901	912	924	935	950	962	969	965	956
45	682	673	667	662	658	655	654	657	666	678	691	703	714	725	739	751	759	755	747
50	475	480	486	492	495	492	488	482	475	470	469	480	494	512	536	556	570	561	544
55	342	348	359	369	376	371	362	350	339	329	325	333	347	365	391	415	431	419	399
60	257	263	271	277	280	275	266	256	245	236	232	239	251	267	289	309	321	312	295
65	191	194	198	201	202	200	195	190	181	174	170	176	186	198	215	230	239	232	219
70	131	130	130	130	130	131	131	130	128	126	126	130	135	142	151	158	163	160	153
75	71.8	70.2	69.0	68.2	68.0	69.1	70.8	72.8	74.6	76.2	77.5	77.6	77.7	78.1	80.9	83.6	85.6	84.1	81.5
80	45.3	44.0	42.4	40.8	39.2	37.6	36.3	35.4	35.8	36.5	37.5	37.9	38.5	39.2	40.9	42.4	43.4	42.4	40.7
85	26.3	25.7	25.0	24.2	23.4	22.4	21.5	20.5	19.5	18.5	17.5	16.5	15.7	15.1	15.1	15.2	15.3	14.9	14.3
90	10.2	9.60	9.06	8.52	7.98	7.54	7.12	6.71	6.31	5.88	5.41	4.84	4.22	3.57	2.85	2.19	1.67	1.55	1.58
95	13.0	12.8	12.7	12.7	12.9	13.1	13.3	13.5	13.0	12.6	12.4	12.7	14.6	18.0	21.5	24.5	26.6	24.6	21.7
100	24.7	24.6	24.4	24.0	23.4	22.9	22.6	22.4	20.1	18.8	19.6	23.2	36.5	58.7	80.7	99.6	113	98.2	77.9
105	31.2	30.9	30.7	26.5	19.5	16.2	18.8	29.6	72.9	122	174	223	256	271	279	281	278	280	277
110	34.3	34.2	36.5	39.9	45.7	57.8	78.1	108	175	248	321	390	435	455	464	465	460	464	461
115	34.9	42.9	67.4	138	252	373	491	595	623	633	629	619	619	631	643	653	659	652	640
120	473	538	608	667	713	753	786	811	818	819	816	811	813	822	831	839	844	837	827
125	976	982	988	990	989	988	985	983	983	984	985	987	992	998	1005	1010	1013	1008	1002
130	1149	1149	1149	1148	1146	1144	1142	1141	1142	1144	1147	1149	1153	1157	1161	1163	1165	1162	1158
135	1289	1288	1288	1288	1287	1286	1285	1285	1286	1289	1291	1294	1296	1298	1300	1301	1301	1300	1298
140	1412	1412	1412	1412	1412	1412	1412	1413	1414	1416	1417	1419	1420	1420	1421	1421	1421	1420	1420
145	1521	1521	1521	1521	1521	1521	1522	1522	1523	1524	1526	1527	1527	1527	1526	1526	1525	1526	1526
150	1615	1615	1614	1614	1614	1613	1613	1613	1614	1615	1616	1617	1617	1617	1616	1615	1614	1615	1616
155	1692	1691	1691	1690	1690	1689	1689	1689	1690	1691	1692	1692	1692	1691	1690	1689	1689	1690	1691
160	1752	1751	1751	1750	1750	1750	1750	1750	1750	1751	1752	1752	1752	1751	1750	1749	1748	1749	1751
165	1798	1797	1797	1797	1797	1796	1796	1796	1797	1797	1797	1797	1797	1796	1796	1795	1795	1795	1797
170	1831	1831	1830	1830	1830	1830	1829	1829	1829	1829	1829	1829	1829	1829	1828	1828	1828	1827	1829
175	1852	1851	1850	1850	1850	1849	1849	1849	1849	1849	1848	1848	1848	1848	1848	1848	1848	1849	1849
180	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-14

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:229.74V I:0.3179A P:71.491W PF:0.9703 Freq:49.99Hz Lamp Flux:7835.45x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1406*96*58						SERIAL No.:		
MFR.: A4453019-01									SUR.:1.14*0.092						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	1557	1557	1557	1557	1557	1557	1557	1557	1558	1558	1558	1558	1558	1559	1561				
5	1538	1538	1538	1539	1538	1538	1538	1539	1540	1541	1541	1541	1541	1543	1545				
10	1495	1495	1494	1494	1493	1493	1493	1495	1496	1498	1499	1500	1501	1503	1506				
15	1437	1436	1435	1434	1433	1432	1431	1432	1434	1436	1438	1440	1442	1445	1449				
20	1369	1367	1364	1362	1358	1356	1354	1355	1357	1359	1362	1365	1369	1373	1378				
25	1290	1285	1281	1276	1271	1267	1264	1265	1267	1270	1274	1279	1284	1290	1296				
30	1197	1190	1184	1177	1171	1165	1162	1162	1165	1169	1173	1179	1185	1192	1200				
35	1086	1077	1069	1061	1053	1046	1042	1042	1046	1050	1055	1060	1066	1074	1083				
40	944	934	924	914	905	898	893	893	896	900	903	908	913	921	929				
45	736	727	717	707	696	686	678	676	678	682	686	692	699	707	717				
50	524	507	492	481	482	486	494	501	507	512	510	506	502	500	500				
55	376	357	342	332	335	344	356	369	380	388	382	374	363	357	352				
60	275	258	245	236	240	248	259	270	279	286	283	276	268	263	257				
65	204	190	178	170	173	179	187	192	196	199	199	197	194	191	188				
70	145	137	129	123	122	124	125	125	125	126	126	127	128	129	129				
75	78.4	75.9	73.6	71.5	69.8	68.3	66.9	65.3	63.9	62.7	61.9	61.5	61.6	62.2	63.3				
80	38.4	36.0	33.6	31.3	29.3	27.7	26.7	26.8	27.4	28.4	29.4	30.4	31.5	32.4	33.2				
85	13.7	12.9	12.2	11.5	10.9	10.6	10.4	10.4	10.6	10.9	11.4	11.8	12.3	12.6	12.9				
90	1.68	1.66	1.66	1.68	1.77	1.87	1.96	1.96	1.94	1.94	2.04	2.14	2.23	2.25	2.22				
95	18.3	14.9	12.8	12.1	11.9	11.9	12.2	12.1	12.2	12.2	12.3	12.4	12.5	12.6	12.7				
100	54.9	31.9	18.6	16.0	16.4	18.9	22.4	22.7	23.1	23.5	23.9	24.1	24.2	24.2	24.2				
105	268	252	219	171	120	71.8	29.4	18.8	16.3	19.6	26.5	30.5	30.6	30.7	30.8				
110	450	429	380	305	226	149	80.0	54.4	40.4	35.2	36.2	36.1	33.4	32.7	34.0				
115	627	613	612	621	623	612	584	481	364	244	132	55.6	19.6	6.80	17.3				
120	817	808	808	817	825	829	825	797	759	716	668	619	572	522	471				
125	995	988	985	987	990	993	997	999	1001	1003	1003	1002	1000	996	991				
130	1154	1150	1148	1148	1149	1151	1153	1155	1158	1160	1162	1163	1163	1163	1162				
135	1296	1294	1293	1293	1293	1294	1295	1296	1298	1300	1301	1302	1302	1302	1302				
140	1420	1419	1419	1420	1420	1420	1421	1422	1422	1423	1424	1424	1424	1424	1424				
145	1527	1528	1528	1528	1528	1528	1529	1529	1530	1531	1531	1531	1532	1531	1531				
150	1617	1619	1619	1619	1619	1619	1619	1620	1621	1622	1623	1624	1624	1624	1624				
155	1692	1694	1695	1695	1694	1694	1694	1695	1696	1697	1698	1698	1699	1699	1699				
160	1752	1754	1754	1755	1754	1754	1754	1755	1756	1756	1757	1757	1758	1758	1758				
165	1798	1799	1800	1800	1800	1800	1801	1801	1802	1802	1803	1803	1803	1804	1804				
170	1829	1830	1831	1832	1832	1833	1834	1834	1835	1835	1836	1836	1837	1837	1837				
175	1849	1850	1850	1851	1851	1852	1852	1853	1854	1854	1855	1855	1855	1856	1856				
180	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-02-14

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: