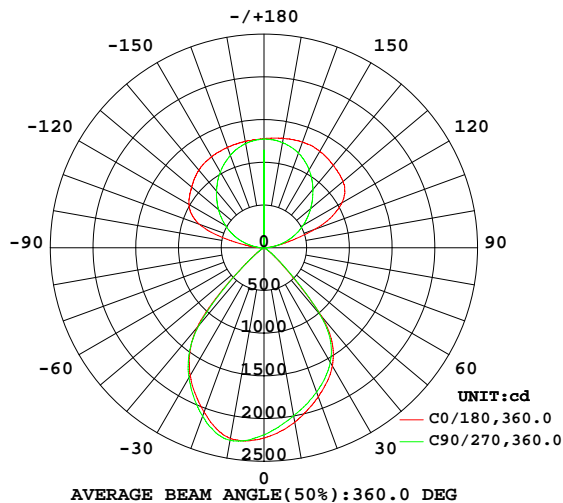


LUMINAIRE PHOTOMETRIC TEST REPORT

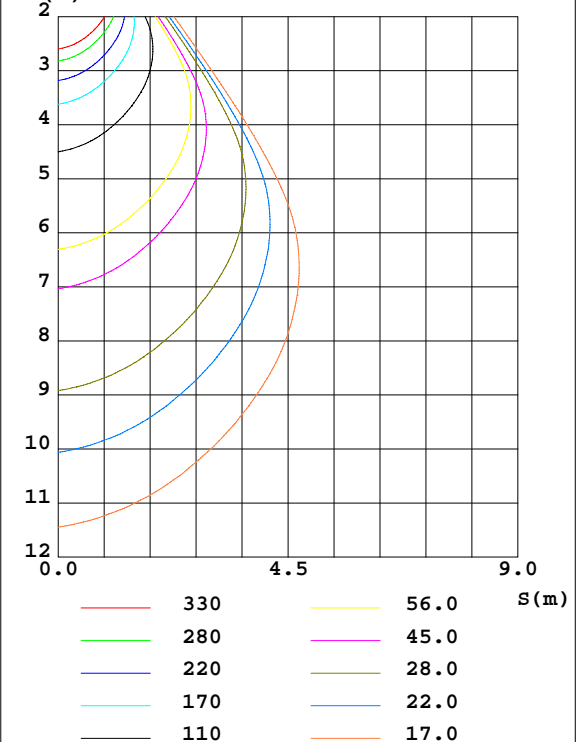
Test:U:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1445*48*76	SERIAL No.:
MFR.: AS4963376-01	SUR.:1.439*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.69 lm/W			
MODEL		I _{max} (cd)	2333	S/MH(C0/180)	1.16
NOMINAL POWER(W)	70	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7472.5	η UP,DN(C0-180)	29.8,19.5
NOMINAL FLUX(lm)	7472.46	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	29.5,21.2
LAMPS INSIDE	1	η up(%)	59.3	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	40.7	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:2023-08-11

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:

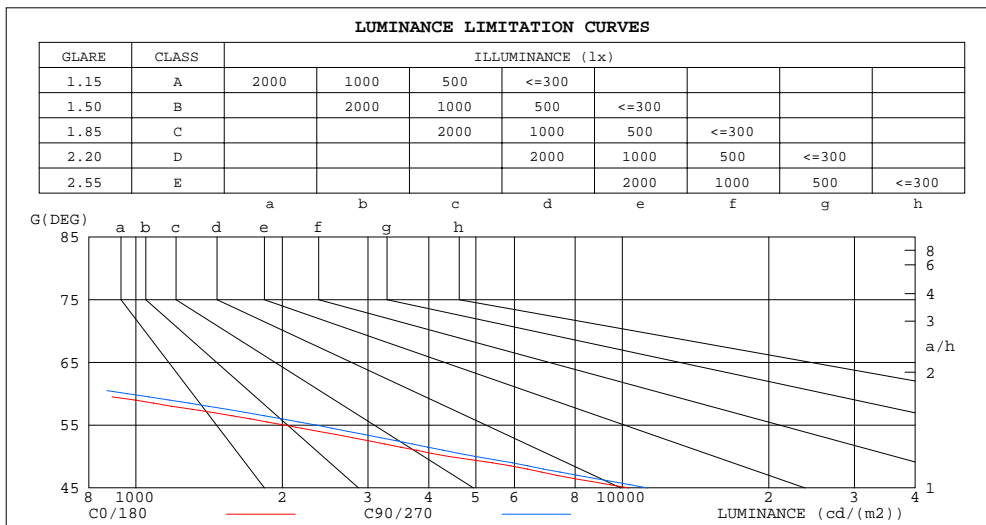
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2074	1987	1997	2088	2265	2332	2288	2158	0- 10	207.3	207.3	2.77,2.77
20	1858	1786	1799	1877	2050	2139	2099	1938	10- 20	578.6	785.9	10.5,10.5
30	1600	1542	1550	1611	1727	1783	1756	1653	20- 30	830.1	1616	21.6,21.6
40	1044	992.8	1022	1125	1215	1228	1181	1072	30- 40	889.2	2505	33.5,33.5
50	170.5	191.1	193.3	219.9	203.1	228.8	202.0	187.6	40- 50	440.2	2945	39.4,39.4
60	24.07	38.04	29.04	43.87	28.38	38.73	25.62	34.32	50- 60	83.47	3029	40.5,40.5
70	1.461	2.558	1.879	3.037	2.064	2.639	1.557	2.410	60- 70	11.30	3040	40.7,40.7
80	0.2697	0.3109	0.1746	0.2214	0.3353	0.2739	0.2751	0.2635	70- 80	0.6940	3041	40.7,40.7
90	1.314	0.2405	0.2577	28.46	0.7045	0.4467	0.5670	0.6787	80- 90	0.4268	3041	40.7,40.7
100	152.8	283.9	151.7	320.3	287.4	321.5	149.2	285.1	90-100	115.8	3157	42.2,42.2
110	631.6	586.1	342.9	535.9	804.0	540.1	338.3	582.8	100-110	416.2	3573	47.8,47.8
120	1053	772.9	530.9	718.7	1014	718.1	520.2	772.8	110-120	658.9	4232	56.6,56.6
130	1210	935.3	712.2	890.2	1106	884.1	694.9	932.3	120-130	758.3	4991	66.8,66.8
140	1262	1083	891.9	1034	1187	1013	865.2	1076	130-140	764.0	5755	77.77
150	1306	1196	1056	1138	1229	1116	1022	1183	140-150	693.5	6448	86.3,86.3
160	1316	1253	1179	1212	1252	1192	1153	1245	150-160	551.0	6999	93.7,93.7
170	1302	1277	1251	1254	1265	1243	1240	1275	160-170	352.5	7351	98.4,98.4
180	1277	1277	1277	1277	1277	1277	1277	1277	170-180	121.0	7472	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:2023-08-11

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:

LUMINANCE LIMITATION CURVES

Test:U:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1445*48*76	SERIAL No.:
MFR.: AS4963376-01	SUR.:1.439*0.042	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	52	32
80	26	17
75	18	15
70	71	91
65	250	304
60	797	962
55	2017	2345
50	4391	4980
45	10305	11252

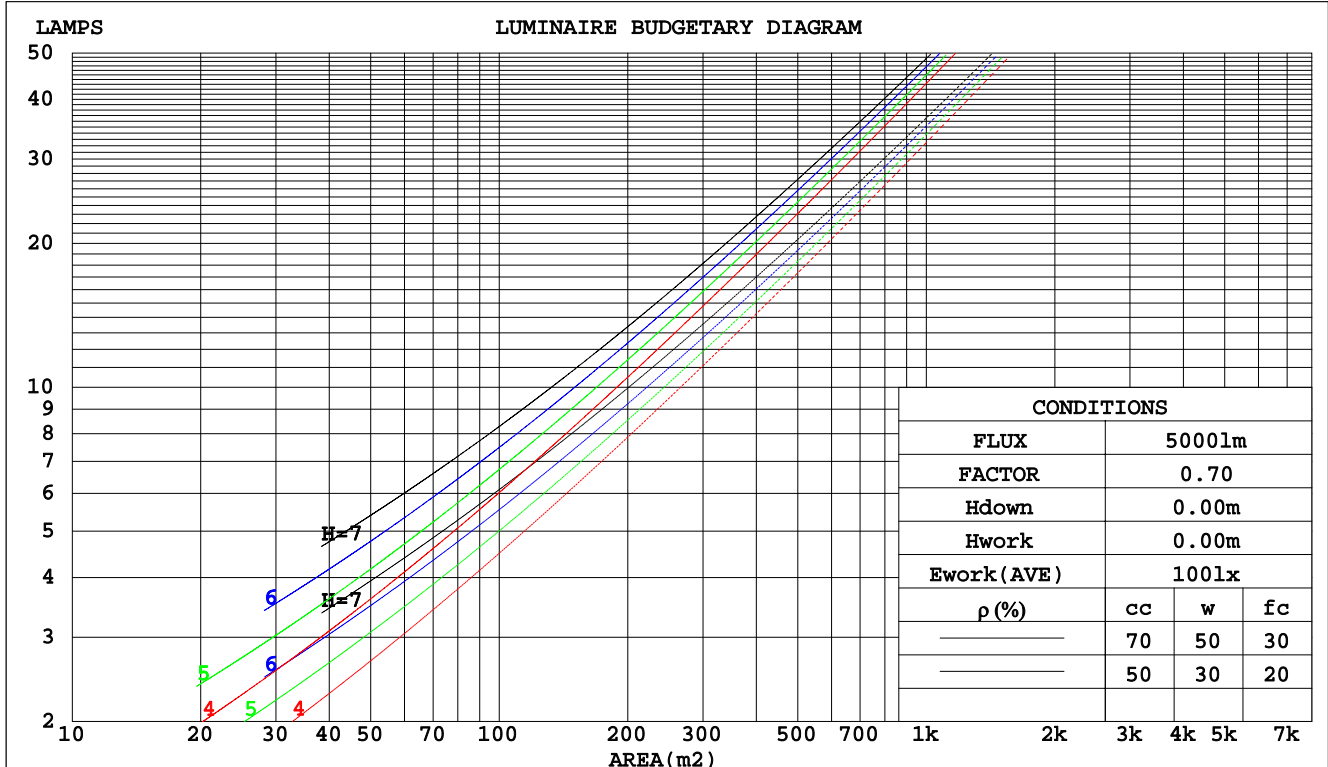
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1445*48*76	SERIAL No.:
MFR.: AS4963376-01	SUR.:1.439*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	1.05	1.05	1.05	.96	.96	.96	.78	.78	.78	.62	.62	.62	.48	.48	.48	.41
1.0	.94	.90	.88	.86	.83	.81	.71	.69	.67	.57	.56	.55	.45	.44	.43	.38
2.0	.84	.79	.74	.77	.73	.69	.64	.61	.59	.52	.50	.49	.41	.40	.39	.34
3.0	.75	.69	.64	.69	.64	.60	.58	.54	.51	.48	.45	.43	.38	.37	.35	.31
4.0	.68	.61	.56	.63	.57	.52	.53	.49	.45	.44	.41	.39	.35	.34	.32	.28
5.0	.61	.54	.49	.57	.51	.46	.48	.44	.40	.40	.37	.35	.33	.31	.29	.26
6.0	.56	.49	.43	.52	.46	.41	.44	.40	.36	.37	.34	.31	.30	.28	.27	.24
7.0	.51	.44	.39	.47	.41	.37	.41	.36	.33	.34	.31	.28	.28	.26	.24	.22
8.0	.47	.40	.35	.43	.37	.33	.37	.33	.29	.32	.28	.26	.26	.24	.22	.20
9.0	.43	.36	.31	.40	.34	.30	.35	.30	.27	.29	.26	.24	.25	.22	.21	.18
10.0	.40	.33	.29	.37	.31	.27	.32	.28	.24	.27	.24	.22	.23	.21	.19	.17



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1445*48*76	SERIAL No.:
MFR.: AS4963376-01	SUR.:1.439*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	.232	.132	.042	.207	.118	.038	.161	.092	.030	.118	.068	.022	.079	.046	.015	
2.0	.218	.119	.037	.195	.108	.033	.153	.085	.026	.114	.064	.020	.078	.044	.014	
3.0	.204	.109	.033	.184	.098	.030	.145	.079	.024	.109	.060	.018	.076	.042	.013	
4.0	.191	.099	.029	.173	.090	.027	.137	.073	.022	.104	.056	.017	.074	.040	.012	
5.0	.180	.092	.027	.162	.083	.024	.130	.068	.020	.099	.052	.016	.071	.038	.011	
6.0	.169	.085	.024	.153	.077	.022	.123	.063	.018	.095	.049	.014	.068	.036	.011	
7.0	.159	.079	.022	.145	.072	.021	.116	.059	.017	.090	.046	.013	.065	.034	.010	
8.0	.151	.074	.021	.137	.067	.019	.111	.055	.016	.086	.044	.013	.063	.032	.009	
9.0	.143	.069	.019	.130	.063	.018	.105	.052	.015	.082	.041	.012	.060	.031	.009	
10.0	.135	.065	.018	.123	.059	.017	.100	.049	.014	.078	.039	.011	.058	.029	.008	

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	.642	.642	.642	.549	.549	.549	.375	.375	.375	.215	.215	.215	.069	.069	.069	
1.0	.630	.612	.596	.539	.526	.513	.369	.362	.355	.212	.209	.206	.068	.067	.067	
2.0	.621	.591	.566	.532	.509	.489	.364	.352	.341	.210	.205	.200	.067	.066	.065	
3.0	.613	.575	.545	.525	.496	.472	.361	.345	.331	.208	.201	.195	.067	.065	.064	
4.0	.606	.563	.530	.520	.486	.460	.357	.339	.324	.207	.199	.192	.067	.065	.063	
5.0	.599	.553	.519	.515	.479	.452	.354	.334	.319	.205	.196	.189	.066	.064	.062	
6.0	.593	.546	.512	.510	.473	.446	.352	.331	.315	.204	.195	.187	.066	.064	.062	
7.0	.588	.540	.506	.506	.468	.441	.349	.328	.312	.203	.193	.186	.066	.063	.061	
8.0	.583	.534	.501	.502	.464	.437	.347	.325	.310	.202	.192	.185	.065	.063	.061	
9.0	.578	.530	.498	.498	.460	.434	.345	.323	.308	.201	.191	.184	.065	.063	.061	
10.0	.573	.526	.495	.494	.457	.432	.343	.322	.307	.200	.190	.183	.065	.062	.061	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1445*48*76			SERIAL No.:				
MFR.: AS4963376-01			SUR.:1.439*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	13.1	13.8	14.0	14.7	15.9	13.1	13.8	14.0	14.8	15.9
3H	12.7	13.4	13.7	14.3	15.6	12.7	13.4	13.7	14.4	15.6
4H	12.6	13.2	13.5	14.1	15.4	12.6	13.2	13.6	14.2	15.4
6H	12.4	12.9	13.4	13.9	15.2	12.4	13.0	13.4	13.9	15.2
8H	12.3	12.8	13.3	13.8	15.1	12.3	12.8	13.3	13.8	15.1
12H	12.2	12.7	13.2	13.7	15.0	12.2	12.7	13.2	13.7	15.0
4H 2H	12.6	13.2	13.6	14.2	15.4	12.6	13.2	13.6	14.2	15.4
3H	12.2	12.7	13.2	13.7	15.0	12.2	12.7	13.2	13.7	15.0
4H	12.0	12.5	13.1	13.5	14.8	12.0	12.5	13.1	13.5	14.8
6H	11.8	12.2	12.9	13.3	14.6	11.8	12.2	12.9	13.3	14.6
8H	11.7	12.1	12.8	13.1	14.5	11.7	12.1	12.8	13.1	14.5
12H	11.6	12.0	12.7	13.0	14.4	11.6	12.0	12.7	13.0	14.4
8H 4H	11.7	12.1	12.8	13.1	14.5	11.7	12.1	12.8	13.1	14.5
6H	11.5	11.8	12.6	12.9	14.3	11.5	11.8	12.6	12.9	14.3
8H	11.4	11.7	12.5	12.8	14.2	11.4	11.7	12.5	12.8	14.2
12H	11.3	11.5	12.4	12.6	14.1	11.3	11.6	12.4	12.6	14.1
12H 4H	11.6	12.0	12.7	13.0	14.4	11.6	12.0	12.7	13.0	14.4
6H	11.4	11.7	12.5	12.8	14.2	11.4	11.7	12.5	12.8	14.2
8H	11.3	11.5	12.4	12.6	14.1	11.3	11.6	12.4	12.6	14.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / -12.6					+ 2.6 / -11.7				
1.5H	+ 4.5 / - 8.5					+ 4.3 / - 8.1				
2.0H	+ 6.5 / -12.2					+ 6.6 / -12.2				

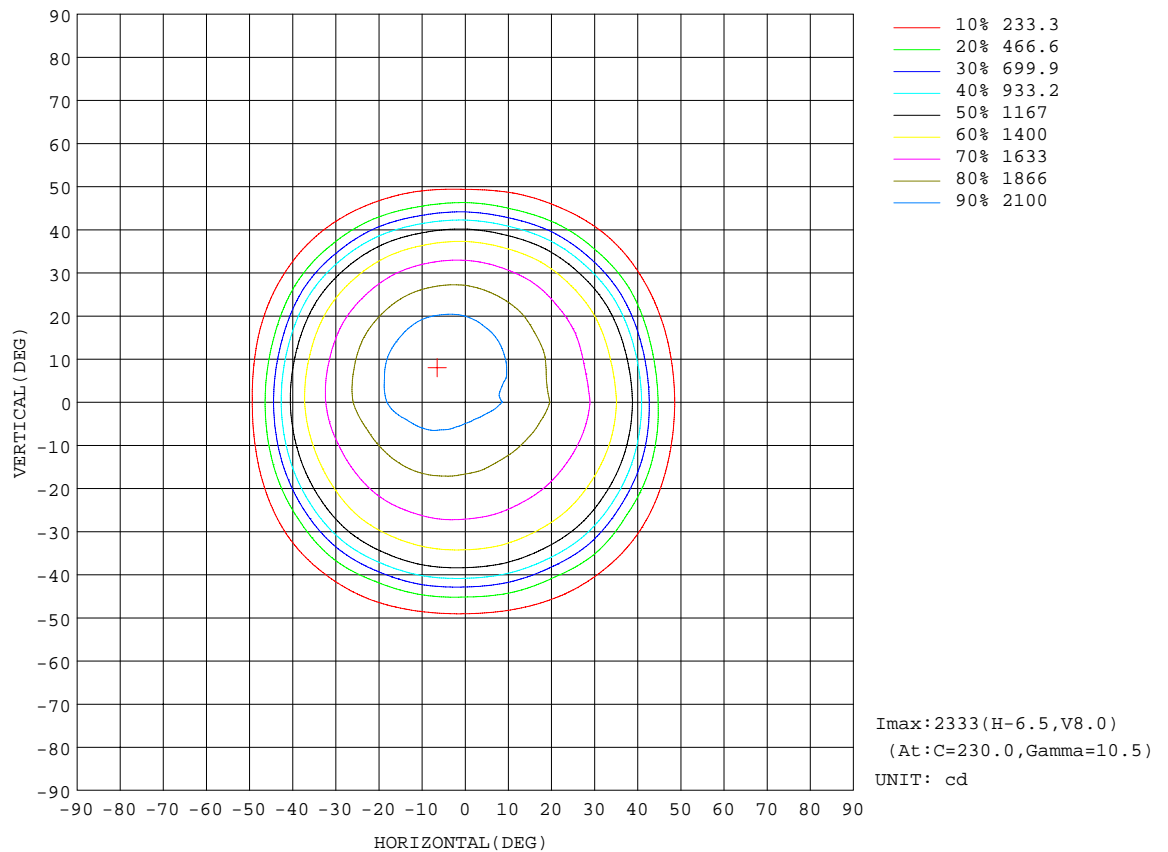
CIE Pub.117, 7472 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.0$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1445*48*76	SERIAL No.:
MFR.: AS4963376-01	SUR.:1.439*0.042	Shielding Angle:

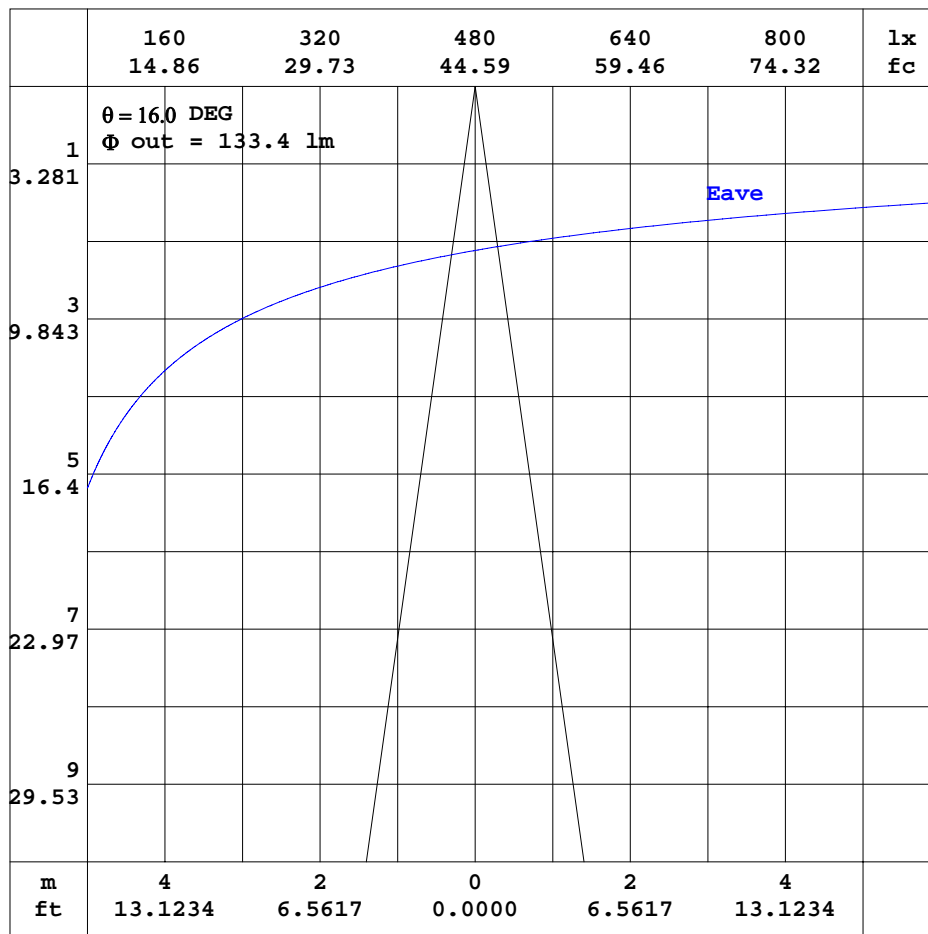


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1445*48*76	SERIAL No.:
MFR.: AS4963376-01	SUR.:1.439*0.042	Shielding Angle:



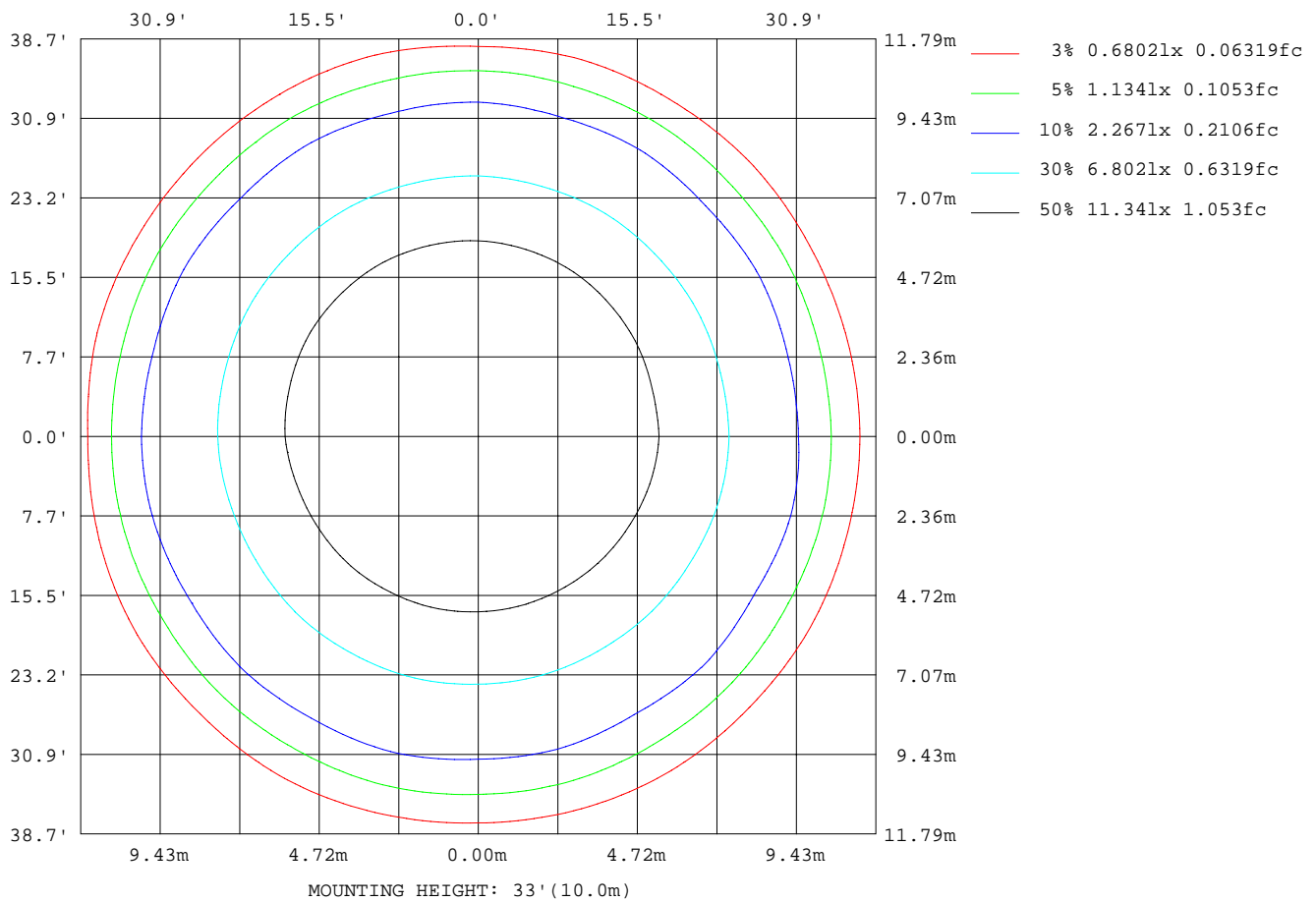
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1445*48*76	SERIAL No.:
MFR.: AS4963376-01	SUR.:1.439*0.042	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1445*48*76	SERIAL No.:
MFR.: AS4963376-01	SUR.:1.439*0.042	Shielding Angle:

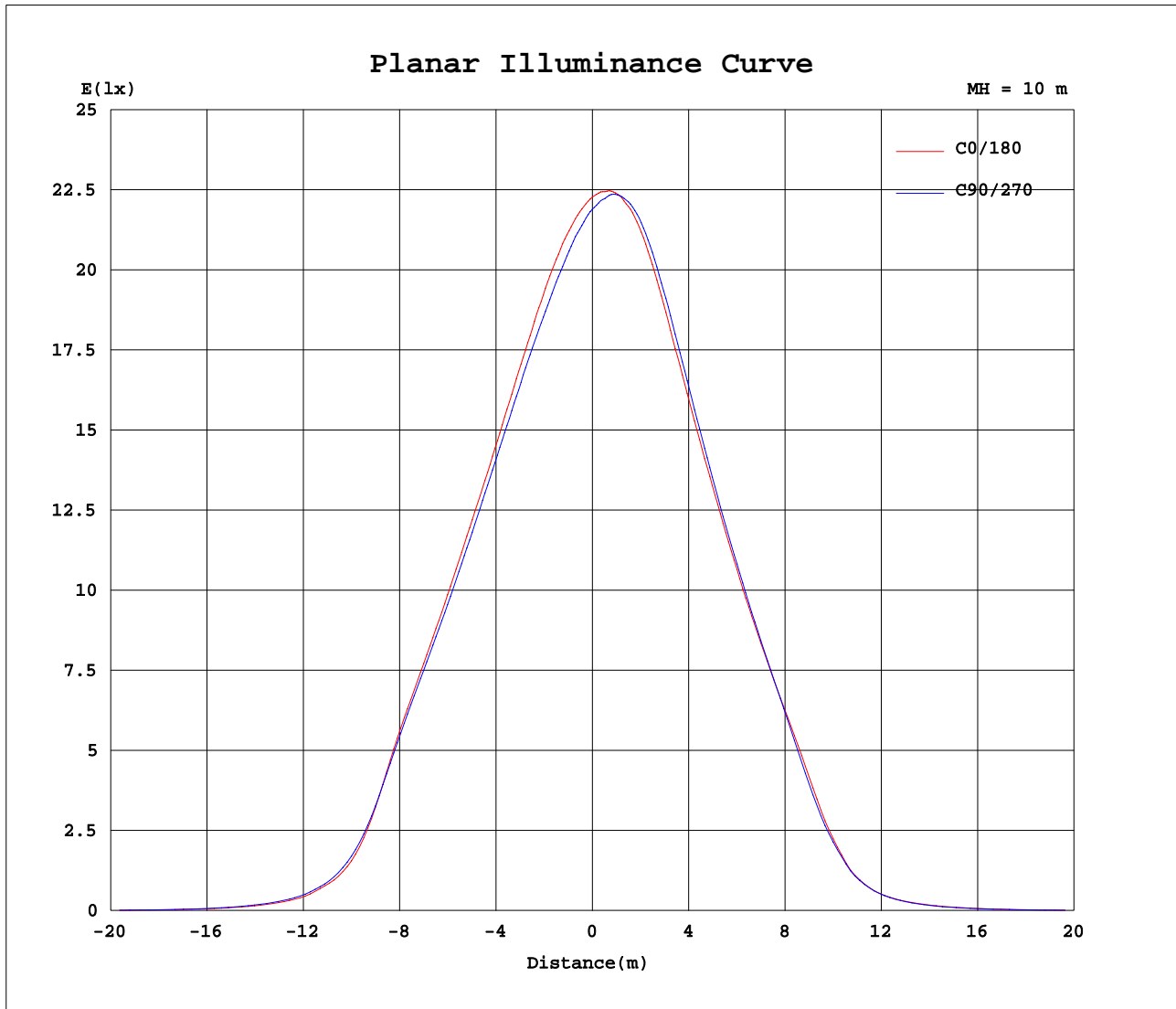
AvgL	cd/m2
L_0~180(65)av	271
L_0~180(75)av	28
L_0~180(85)av	71
L_90~270(65)av	285
L_90~270(75)av	17
L_90~270(85)av	53
L_45(65)av	468
L_45(75)av	38
L_45(85)av	47

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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: 2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1445*48*76						SERIAL No.:		
MFR.: AS4963376-01									SUR.:1.439*0.042						Shielding Angle:		

Table--1

UNIT: cd

C(°) γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2228	2225	2221	2218	2213	2209	2205	2205	2205	2205	2201	2197	2194	2193	2194	2194	2193	2191	2190
5	2159	2151	2143	2134	2126	2117	2110	2105	2101	2097	2094	2091	2089	2089	2090	2092	2093	2095	2098
10	2074	2060	2046	2034	2022	2011	2002	1995	1991	1987	1984	1982	1981	1983	1986	1989	1991	1993	1997
15	1967	1955	1943	1932	1920	1909	1899	1893	1889	1887	1884	1883	1883	1883	1884	1886	1890	1896	1902
20	1858	1847	1836	1825	1815	1805	1797	1792	1789	1786	1784	1782	1781	1784	1787	1790	1792	1795	1799
25	1739	1730	1721	1712	1703	1694	1686	1681	1677	1674	1671	1670	1669	1672	1675	1679	1681	1683	1687
30	1600	1593	1585	1577	1566	1556	1548	1544	1543	1542	1539	1536	1535	1538	1542	1546	1547	1548	1550
35	1404	1397	1391	1383	1374	1365	1357	1354	1353	1352	1348	1345	1344	1349	1354	1360	1362	1363	1365
40	1044	1041	1036	1029	1015	1001	989	988	990	993	988	983	982	990	1001	1012	1015	1018	1022
45	440	456	464	465	453	439	428	438	452	463	457	448	442	455	470	484	483	481	481
50	170	175	178	181	182	182	183	186	188	191	192	192	193	195	197	198	196	194	193
55	69.9	71.1	72.6	74.6	77.1	79.8	82.5	85.2	87.4	88.9	89.0	88.4	87.3	86.2	85.0	83.7	82.4	81.5	81.3
60	24.1	24.7	25.5	26.5	27.6	29.0	30.7	33.5	36.2	38.0	37.2	35.6	33.6	32.3	31.2	30.2	29.5	29.1	29.0
65	6.39	6.39	6.54	6.84	7.33	7.95	8.70	9.82	10.8	11.5	11.1	10.4	9.56	9.04	8.60	8.24	7.94	7.76	7.75
70	1.46	1.51	1.58	1.69	1.85	2.03	2.20	2.36	2.49	2.56	2.49	2.38	2.24	2.12	2.02	1.93	1.88	1.86	1.88
75	0.27	0.53	0.68	0.72	0.58	0.40	0.25	0.37	0.53	0.66	0.57	0.44	0.30	0.31	0.34	0.38	0.33	0.28	0.23
80	0.27	0.26	0.24	0.23	0.22	0.20	0.20	0.24	0.28	0.31	0.28	0.23	0.18	0.18	0.19	0.20	0.19	0.19	0.17
85	0.27	0.28	0.28	0.27	0.25	0.22	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.18	0.19	0.20	0.19	0.18	0.17
90	1.31	1.10	0.93	0.79	0.71	0.65	0.59	0.47	0.35	0.24	0.21	0.20	0.21	0.22	0.22	9.18	0.24	0.25	0.26
95	51.9	51.4	52.2	54.5	57.9	62.8	69.4	80.2	91.2	101	106	107	106	99.3	90.6	81.2	72.9	66.6	63.5
100	153	151	155	163	179	198	219	246	270	284	272	250	225	205	188	172	161	154	152
105	339	340	348	363	394	426	455	469	472	461	423	377	330	303	283	268	256	248	245
110	632	637	645	655	674	689	694	670	632	586	533	479	430	401	380	366	353	346	343
115	885	886	883	877	872	860	839	795	743	686	631	579	533	502	479	463	450	442	439
120	1053	1050	1040	1025	1005	979	943	890	832	773	721	674	633	602	577	558	544	535	531
125	1155	1150	1138	1118	1090	1056	1014	963	909	855	809	767	730	700	674	654	638	627	622
130	1210	1203	1189	1169	1141	1107	1069	1025	980	935	896	859	826	795	769	746	730	718	712
135	1237	1229	1216	1199	1176	1150	1120	1085	1048	1012	979	947	917	887	860	836	820	809	803
140	1262	1255	1245	1232	1214	1193	1169	1142	1113	1083	1054	1026	998	972	947	926	910	899	892
145	1286	1281	1272	1261	1247	1231	1212	1192	1170	1147	1121	1096	1071	1048	1027	1009	995	984	978
150	1306	1300	1293	1284	1275	1264	1251	1234	1216	1196	1175	1153	1133	1115	1098	1084	1072	1062	1056
155	1318	1312	1306	1298	1290	1281	1271	1258	1245	1230	1215	1200	1185	1171	1157	1145	1136	1129	1124
160	1316	1312	1307	1302	1296	1289	1281	1272	1263	1253	1242	1232	1221	1212	1203	1195	1188	1183	1179
165	1311	1306	1302	1297	1293	1289	1285	1280	1275	1269	1262	1256	1249	1243	1238	1232	1228	1224	1221
170	1302	1296	1291	1287	1286	1285	1284	1282	1280	1277	1273	1270	1266	1262	1259	1256	1254	1252	1251
175	1289	1285	1281	1279	1277	1277	1277	1277	1276	1276	1275	1273	1272	1271	1270	1270	1269	1269	1268
180	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1445*48*76					SERIAL No.:				
MFR.: AS4963376-01									SUR.:1.439*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	2189	2187	2186	2185	2184	2184	2184	2185	2186	2186	2187	2187	2183	2181	2182	2197	2214	2228	2228
5	2103	2110	2116	2119	2123	2127	2136	2146	2156	2162	2168	2175	2182	2192	2204	2226	2249	2269	2276
10	2006	2016	2026	2033	2041	2050	2062	2075	2088	2101	2114	2128	2140	2155	2174	2205	2237	2265	2279
15	1911	1919	1928	1935	1942	1951	1964	1978	1993	2006	2019	2034	2049	2068	2089	2122	2154	2185	2201
20	1806	1814	1823	1830	1837	1845	1855	1866	1877	1889	1901	1914	1928	1944	1963	1992	2023	2050	2064
25	1692	1698	1705	1710	1716	1722	1732	1744	1755	1764	1773	1782	1794	1807	1823	1848	1872	1896	1908
30	1556	1562	1570	1575	1581	1587	1595	1603	1611	1618	1624	1632	1642	1655	1669	1689	1709	1727	1736
35	1371	1377	1384	1389	1395	1401	1410	1418	1426	1430	1433	1438	1446	1457	1470	1486	1503	1518	1524
40	1035	1050	1064	1071	1077	1084	1098	1112	1125	1130	1134	1139	1150	1163	1177	1191	1204	1215	1219
45	495	511	525	525	524	525	542	560	576	574	569	567	582	599	617	627	632	635	629
50	198	203	209	214	219	222	222	221	220	222	224	225	224	221	217	211	206	203	209
55	82.9	85.2	88.0	90.7	93.4	95.9	98.0	99.4	100	99.4	97.8	95.4	92.2	88.7	85.3	82.8	81.0	79.9	79.8
60	29.7	30.9	32.4	34.1	36.1	38.1	40.7	42.8	43.9	42.1	39.4	36.4	34.0	31.9	30.2	29.2	28.6	28.4	28.1
65	8.01	8.44	9.00	9.65	10.4	11.2	12.4	13.4	13.9	13.1	11.8	10.4	9.70	9.10	8.62	8.09	7.69	7.46	7.56
70	1.94	2.04	2.16	2.28	2.42	2.57	2.77	2.94	3.04	2.92	2.74	2.53	2.42	2.32	2.24	2.16	2.10	2.06	2.09
75	0.22	0.23	0.25	0.30	0.37	0.44	0.54	0.62	0.66	0.56	0.43	0.31	0.30	0.32	0.38	0.46	0.54	0.59	0.52
80	0.17	0.16	0.15	0.16	0.16	0.17	0.19	0.21	0.22	0.22	0.21	0.21	0.23	0.25	0.27	0.30	0.32	0.34	0.33
85	0.18	0.19	0.20	0.19	0.17	0.17	0.18	0.19	0.21	0.21	0.21	0.21	0.21	0.23	0.26	0.34	0.42	0.47	0.43
90	0.27	0.27	0.27	0.24	0.22	0.20	0.20	0.21	28.5	0.25	0.27	0.29	0.28	0.27	21.1	0.44	0.59	0.70	0.65
95	67.7	75.3	85.3	95.6	107	120	137	153	164	164	159	150	140	129	120	115	112	111	112
100	156	164	175	186	201	221	254	288	320	343	358	363	351	333	313	301	292	287	291
105	249	258	270	281	296	318	354	395	439	489	534	571	581	582	576	570	563	559	564
110	346	354	366	378	394	417	450	490	536	592	648	701	738	766	787	799	804	804	802
115	441	448	460	474	494	518	548	584	626	679	734	788	833	871	902	922	933	935	930
120	533	540	552	569	590	615	645	680	719	765	812	860	902	941	973	995	1009	1014	1006
125	623	630	642	660	683	709	739	771	807	846	886	926	963	996	1024	1045	1058	1063	1054
130	713	719	731	748	771	797	825	857	890	926	963	997	1027	1053	1074	1091	1102	1106	1098
135	803	807	818	836	858	883	909	936	965	999	1032	1063	1087	1107	1124	1137	1146	1149	1142
140	892	896	906	920	938	960	983	1008	1034	1062	1088	1113	1134	1152	1166	1178	1185	1187	1180
145	977	980	988	999	1014	1031	1050	1071	1092	1113	1134	1154	1170	1184	1196	1206	1212	1213	1207
150	1054	1055	1059	1069	1081	1094	1108	1123	1138	1154	1170	1184	1197	1208	1217	1224	1228	1229	1223
155	1123	1124	1127	1133	1141	1149	1158	1167	1177	1188	1199	1209	1218	1225	1231	1237	1240	1241	1236
160	1177	1177	1179	1183	1188	1194	1200	1206	1212	1218	1223	1229	1235	1240	1244	1249	1251	1252	1247
165	1219	1219	1220	1222	1225	1228	1231	1233	1236	1239	1243	1246	1249	1252	1255	1257	1258	1258	1253
170	1250	1249	1249	1250	1250	1251	1252	1253	1254	1256	1258	1259	1260	1261	1262	1264	1265	1265	1260
175	1268	1268	1268	1268	1267	1266	1266	1266	1267	1268	1268	1269	1269	1269	1269	1270	1271	1270	1266
180	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1445*48*76					SERIAL No.:				
MFR.: AS4963376-01									SUR.:1.439*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	2224	2218	2213	2209	2205	2205	2205	2205	2201	2197	2194	2193	2194	2194	2193	2191	2190	2189	2187
5	2280	2280	2282	2283	2285	2287	2289	2291	2290	2289	2287	2285	2281	2278	2273	2268	2262	2256	2249
10	2288	2295	2304	2312	2319	2325	2329	2332	2333	2332	2331	2328	2324	2318	2310	2300	2288	2277	2265
15	2213	2223	2236	2248	2258	2265	2270	2273	2276	2277	2277	2274	2269	2262	2254	2243	2229	2213	2194
20	2074	2083	2098	2112	2124	2131	2136	2139	2144	2148	2149	2145	2139	2130	2121	2111	2099	2081	2063
25	1918	1926	1938	1949	1958	1965	1969	1973	1977	1980	1980	1977	1972	1965	1958	1950	1940	1926	1911
30	1743	1749	1759	1769	1778	1781	1783	1783	1786	1789	1789	1786	1781	1774	1769	1763	1756	1746	1734
35	1528	1532	1540	1548	1555	1557	1557	1557	1559	1561	1561	1557	1552	1546	1542	1538	1533	1522	1511
40	1221	1223	1230	1237	1243	1239	1234	1228	1229	1230	1229	1220	1208	1197	1192	1188	1181	1166	1150
45	623	620	633	648	660	652	640	630	638	647	653	640	624	609	608	609	607	588	566
50	217	224	226	226	226	227	228	229	229	229	228	228	227	224	217	209	202	203	206
55	80.6	82.4	86.7	91.3	95.3	96.0	95.7	94.7	94.7	94.1	92.5	87.8	82.6	77.8	75.9	75.0	74.8	74.4	74.6
60	28.2	28.9	30.9	33.2	35.5	37.2	38.4	38.7	37.5	35.5	33.1	30.8	28.6	26.7	25.9	25.6	25.6	25.4	25.6
65	7.84	8.27	8.84	9.47	10.1	11.0	11.6	11.9	11.3	10.4	9.40	8.58	7.86	7.27	6.98	6.83	6.80	6.75	6.81
70	2.14	2.21	2.28	2.35	2.43	2.53	2.61	2.64	2.51	2.33	2.13	1.95	1.79	1.66	1.59	1.56	1.56	1.57	1.61
75	0.42	0.32	0.28	0.27	0.30	0.42	0.54	0.63	0.60	0.53	0.44	0.36	0.29	0.24	0.25	0.27	0.29	0.27	0.25
80	0.31	0.29	0.29	0.28	0.28	0.28	0.28	0.27	0.27	0.26	0.26	0.25	0.25	0.24	0.26	0.27	0.28	0.27	0.26
85	0.37	0.31	0.32	0.34	0.36	0.33	0.30	0.27	0.30	0.33	0.36	0.34	0.31	0.28	0.32	0.36	0.39	0.35	0.32
90	0.56	0.46	0.45	0.45	0.46	0.45	0.45	0.45	0.47	0.50	0.52	0.54	0.55	0.56	0.56	0.57	0.57	0.56	0.56
95	114	119	128	137	147	157	164	166	154	138	120	108	96.6	86.7	76.0	67.5	62.6	66.2	73.0
100	300	312	331	348	360	356	342	321	289	254	221	202	187	176	164	154	149	153	161
105	571	577	580	577	564	530	488	442	398	356	320	297	281	268	255	246	241	245	254
110	796	783	761	732	695	646	593	540	494	453	418	394	376	363	350	342	338	342	350
115	916	894	863	825	781	731	680	630	587	549	516	490	470	455	442	434	431	435	445
120	989	964	931	893	851	806	762	718	678	642	610	585	564	547	533	523	520	527	539
125	1037	1013	986	954	919	881	842	803	766	731	700	673	652	634	619	610	607	615	629
130	1083	1062	1039	1012	983	951	918	884	849	815	784	759	737	720	706	697	695	703	719
135	1129	1112	1091	1067	1041	1013	983	953	922	891	863	839	818	802	789	781	780	790	806
140	1169	1153	1135	1114	1091	1066	1040	1013	987	961	937	916	898	884	872	866	865	875	890
145	1196	1181	1167	1150	1132	1111	1090	1068	1045	1024	1003	986	972	961	952	948	948	957	970
150	1213	1202	1190	1178	1164	1149	1133	1116	1098	1080	1064	1051	1040	1032	1025	1021	1022	1030	1042
155	1228	1218	1210	1200	1190	1179	1168	1156	1143	1131	1119	1110	1102	1097	1092	1091	1092	1099	1109
160	1240	1232	1226	1220	1214	1207	1200	1192	1184	1176	1168	1162	1156	1153	1151	1151	1153	1159	1167
165	1247	1241	1238	1235	1232	1228	1224	1219	1215	1212	1209	1205	1203	1201	1200	1200	1202	1206	1212
170	1255	1250	1248	1247	1247	1245	1244	1243	1241	1239	1238	1237	1237	1237	1237	1238	1240	1242	1244
175	1262	1257	1256	1256	1257	1257	1258	1258	1259	1259	1259	1259	1259	1259	1260	1260	1261	1261	1265
180	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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:229.75V I:0.2947A P:66.309W PF:0.9794 Freq:49.99Hz Lamp Flux:7472.46x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1445*48*76						SERIAL No.:		
MFR.: AS4963376-01									SUR.:1.439*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	2186	2185	2184	2184	2184	2185	2186	2186	2187	2187	2183	2181	2182	2192	2207				
5	2242	2234	2225	2217	2209	2201	2193	2183	2174	2165	2154	2145	2139	2141	2148				
10	2252	2236	2220	2203	2188	2173	2158	2141	2125	2109	2093	2079	2069	2066	2067				
15	2175	2157	2139	2120	2100	2080	2061	2043	2027	2011	1995	1980	1969	1964	1963				
20	2044	2029	2014	1999	1979	1958	1938	1924	1910	1898	1881	1866	1855	1851	1852				
25	1896	1881	1867	1853	1838	1823	1809	1797	1785	1774	1759	1746	1736	1732	1734				
30	1723	1713	1704	1694	1680	1666	1653	1644	1636	1627	1615	1603	1594	1591	1593				
35	1500	1493	1487	1481	1469	1457	1445	1438	1432	1426	1415	1405	1396	1395	1397				
40	1136	1130	1126	1120	1104	1087	1072	1069	1067	1066	1055	1044	1035	1033	1036				
45	547	543	542	539	519	497	478	478	481	482	467	450	435	431	433				
50	209	207	204	199	195	191	188	187	186	185	180	176	171	170	169				
55	75.6	78.7	82.1	85.0	85.1	84.4	83.2	82.7	81.9	80.5	77.1	73.4	70.2	69.0	68.9				
60	26.1	27.6	29.4	31.2	32.8	33.9	34.3	33.3	31.7	29.7	27.9	26.3	24.9	24.2	23.9				
65	7.01	7.54	8.19	8.87	9.56	10.1	10.4	9.92	9.22	8.39	7.64	6.97	6.43	6.20	6.19				
70	1.68	1.82	1.97	2.13	2.26	2.36	2.41	2.38	2.30	2.17	1.97	1.76	1.58	1.48	1.45				
75	0.23	0.22	0.22	0.24	0.31	0.38	0.43	0.39	0.33	0.27	0.28	0.29	0.31	0.31	0.29				
80	0.25	0.26	0.27	0.28	0.27	0.27	0.26	0.28	0.29	0.31	0.33	0.35	0.35	0.34	0.31				
85	0.28	0.31	0.35	0.39	0.36	0.33	0.31	0.33	0.37	0.40	0.41	0.41	0.39	0.37	0.33				
90	0.55	0.54	0.54	0.55	0.58	0.62	0.68	0.78	0.89	1.00	1.08	1.16	1.22	1.27	1.30				
95	81.8	90.3	98.3	105	108	108	104	93.9	81.8	70.0	63.6	59.0	56.0	53.5	52.1				
100	173	187	204	223	249	272	285	271	248	221	201	183	168	159	154				
105	267	282	303	329	375	420	458	470	469	457	431	401	372	355	344				
110	364	379	400	430	478	530	583	627	663	688	689	681	667	656	645				
115	459	477	500	531	577	629	684	738	789	833	858	874	883	889	890				
120	557	575	600	630	672	721	773	830	886	937	976	1007	1030	1045	1053				
125	649	670	696	727	765	808	855	907	959	1009	1053	1091	1122	1142	1153				
130	739	762	789	820	854	892	932	977	1021	1065	1106	1142	1172	1193	1205				
135	827	850	877	907	940	975	1011	1047	1083	1117	1150	1180	1205	1222	1233				
140	910	932	957	984	1014	1045	1076	1108	1138	1167	1194	1217	1236	1250	1258				
145	987	1006	1027	1052	1079	1108	1136	1162	1186	1209	1231	1251	1267	1278	1284				
150	1057	1074	1093	1114	1136	1159	1183	1205	1226	1245	1263	1278	1290	1298	1304				
155	1122	1135	1150	1165	1183	1201	1219	1237	1254	1270	1283	1295	1304	1311	1316				
160	1176	1185	1196	1207	1219	1232	1245	1257	1269	1280	1291	1300	1308	1313	1315				
165	1218	1225	1232	1240	1248	1256	1264	1273	1281	1288	1294	1299	1304	1307	1309				
170	1248	1252	1257	1262	1266	1270	1275	1280	1285	1289	1291	1293	1295	1297	1299				
175	1267	1268	1270	1272	1273	1275	1277	1279	1281	1284	1285	1285	1286	1287	1288				
180	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-08-11

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: