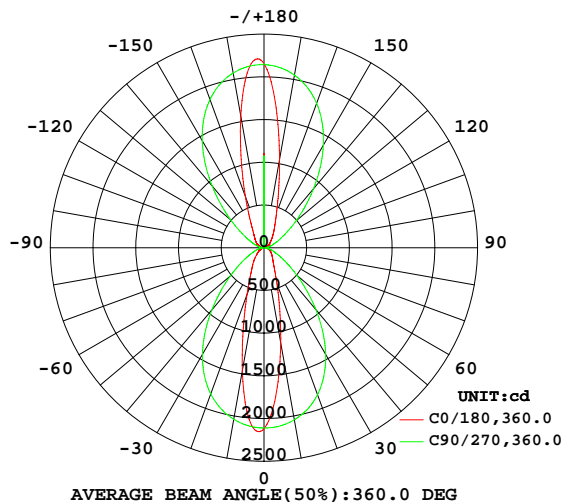


LUMINAIRE PHOTOMETRIC TEST REPORT

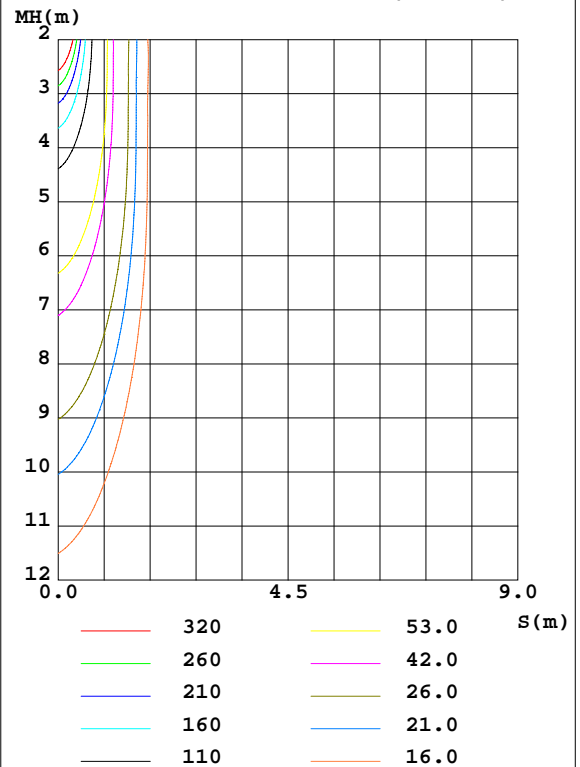
Test:U:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.15 lm/W			
MODEL		Imax(cd)	2213	S/MH(C0/180)	0.36
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.07
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	3514.1	η UP,DN(C0-180)	25.0,24.6
NOMINAL FLUX(lm)	3514.09	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.4,24.9
LAMPS INSIDE	1	η up(%)	50.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230.0	η down(%)	49.5	CIBSE SHR MAX	0.50

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:2023-02-09

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:

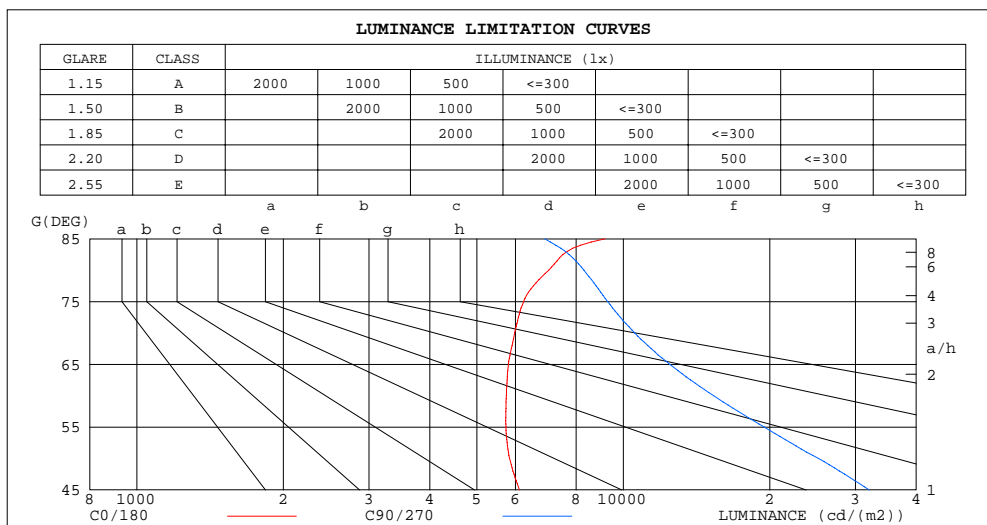
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1129	1454	2046	1770	1462	1800	2039	1423	0- 10	177.0	177.0	5.04,5.04
20	442.5	768.5	1831	957.4	582.7	1017	1821	730.6	10- 20	355.9	532.9	15.2,15.2
30	227.3	402.4	1444	482.9	287.6	526.3	1441	376.5	20- 30	356.3	889.2	25.3,25.3
40	156.6	245.1	944.9	274.6	173.3	298.8	949.1	227.0	30- 40	303.4	1193	33.9,33.9
50	117.1	166.2	505.3	169.2	101.1	183.6	516.1	157.6	40- 50	229.1	1422	40.5,40.5
60	89.65	111.6	239.1	103.1	63.51	112.1	246.5	109.3	50- 60	154.8	1577	44.9,44.9
70	63.80	68.28	112.6	55.37	36.54	60.50	117.1	68.82	60- 70	96.73	1673	47.6,47.6
80	38.05	33.68	44.97	15.32	6.603	18.93	48.55	35.59	70- 80	51.80	1725	49.1,49.1
90	8.170	5.256	3.686	2.443	15.27	2.285	1.753	6.872	80- 90	16.03	1741	49.5,49.5
100	16.91	23.06	47.38	40.48	42.69	40.11	47.64	23.31	90-100	19.38	1761	50.1,50.1
110	41.39	54.73	113.3	80.01	69.42	78.27	115.7	56.40	100-110	56.59	1817	51.7,51.7
120	63.75	91.99	236.3	133.7	97.41	129.0	243.8	96.31	110-120	99.81	1917	54.5,54.5
130	92.24	142.5	489.3	210.1	129.8	199.7	509.4	150.5	120-130	156.8	2074	59,59
140	145.7	216.1	902.4	335.5	178.8	314.0	943.9	230.0	130-140	230.5	2304	65.6,65.6
150	235.6	355.2	1390	593.9	285.5	558.8	1446	374.0	140-150	306.6	2611	74.3,74.3
160	430.6	670.0	1801	1122	638.1	1085	1848	702.3	150-160	363.3	2974	84.6,84.6
170	1052	1342	2053	1896	1567	1885	2078	1375	160-170	361.2	3335	94.9,94.9
180	2155	2155	2155	2155	2155	2155	2155	2155	170-180	178.9	3514	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:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9164	6895
80	7024	8301
75	6239	9284
70	5979	10554
65	5805	12462
60	5747	15327
55	5737	19475
50	5837	25194
45	6116	32031

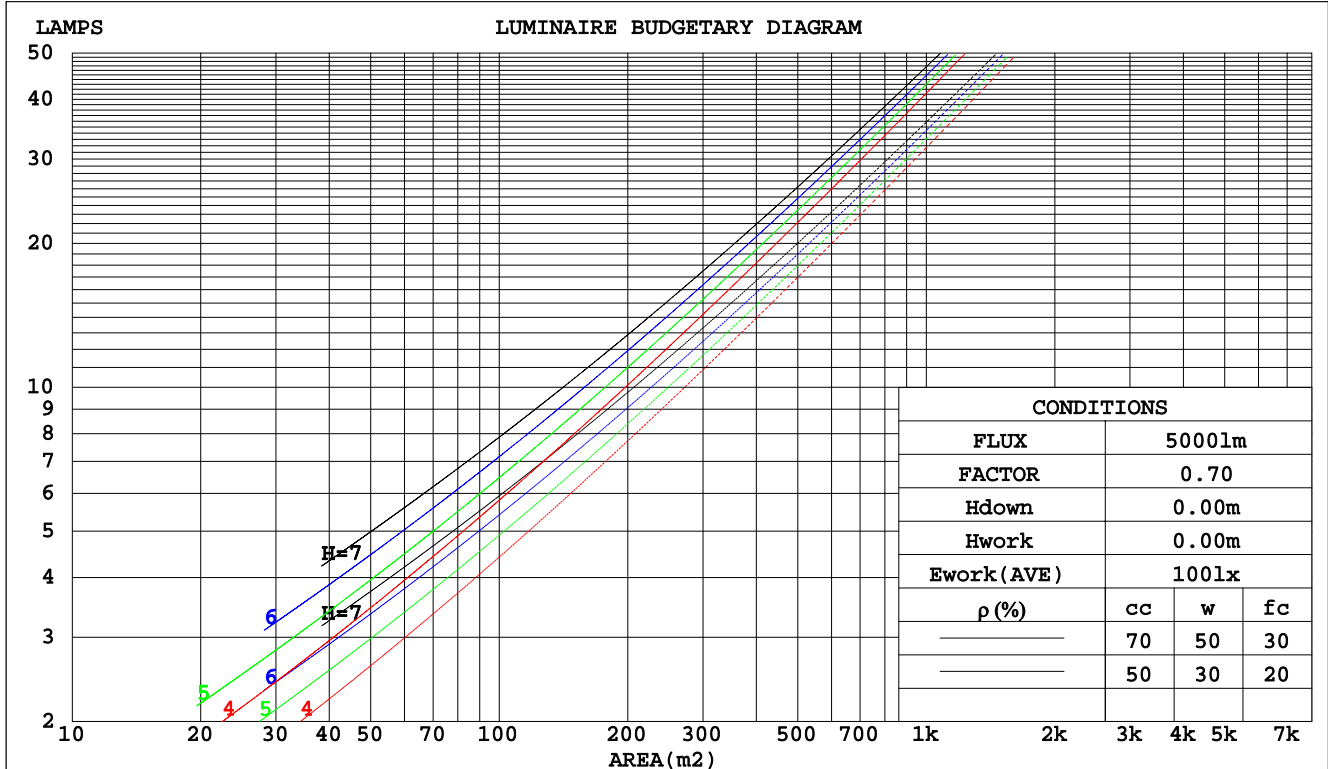
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	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	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.95	.92	.89	.88	.85	.82	.75	.73	.71	.62	.61	.60	.51	.50	.49	.44
2.0	.85	.79	.75	.79	.74	.70	.67	.64	.61	.57	.54	.52	.47	.45	.44	.39
3.0	.76	.69	.64	.71	.65	.60	.61	.57	.53	.51	.49	.46	.43	.41	.39	.35
4.0	.68	.61	.56	.64	.58	.53	.55	.51	.47	.47	.44	.41	.40	.37	.35	.32
5.0	.62	.55	.49	.58	.52	.47	.50	.45	.42	.43	.40	.37	.37	.34	.32	.29
6.0	.56	.49	.44	.53	.46	.42	.46	.41	.38	.40	.36	.33	.34	.31	.29	.27
7.0	.52	.45	.39	.49	.42	.38	.43	.38	.34	.37	.33	.31	.32	.29	.27	.25
8.0	.48	.41	.36	.45	.39	.34	.40	.35	.31	.35	.31	.28	.30	.27	.25	.23
9.0	.44	.37	.33	.42	.35	.31	.37	.32	.29	.32	.29	.26	.28	.25	.23	.21
10.0	.41	.34	.30	.39	.33	.29	.34	.30	.26	.30	.27	.24	.27	.24	.22	.20



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	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	.246	.140	.044	.224	.128	.041	.183	.105	.033	.145	.083	.027	.109	.063	.020	
2.0	.230	.126	.039	.210	.116	.036	.172	.096	.030	.137	.077	.024	.105	.060	.019	
3.0	.214	.114	.034	.196	.105	.032	.161	.087	.027	.129	.071	.022	.100	.055	.017	
4.0	.199	.103	.030	.182	.095	.028	.151	.080	.024	.122	.065	.020	.094	.051	.016	
5.0	.186	.095	.027	.170	.087	.025	.141	.074	.022	.114	.060	.018	.089	.048	.014	
6.0	.174	.087	.025	.160	.081	.023	.133	.068	.020	.108	.056	.016	.084	.044	.013	
7.0	.163	.081	.023	.150	.075	.021	.125	.063	.018	.102	.052	.015	.080	.041	.012	
8.0	.153	.075	.021	.141	.069	.020	.118	.059	.017	.096	.049	.014	.076	.039	.011	
9.0	.144	.070	.020	.133	.065	.018	.112	.055	.016	.091	.046	.013	.072	.037	.011	
10.0	.137	.065	.018	.126	.061	.017	.106	.052	.015	.087	.043	.012	.069	.035	.010	

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	.575	.575	.575	.491	.491	.491	.335	.335	.335	.193	.193	.193	.062	.062	.062	
1.0	.564	.544	.527	.482	.467	.454	.330	.321	.314	.190	.186	.182	.061	.060	.059	
2.0	.554	.522	.496	.475	.450	.428	.325	.311	.299	.188	.181	.175	.060	.059	.057	
3.0	.546	.506	.475	.468	.437	.411	.321	.303	.289	.186	.177	.170	.060	.058	.056	
4.0	.538	.494	.460	.462	.427	.399	.318	.297	.281	.184	.174	.166	.059	.057	.055	
5.0	.532	.484	.449	.457	.419	.391	.314	.293	.276	.182	.172	.164	.059	.056	.054	
6.0	.525	.476	.441	.451	.413	.384	.311	.289	.272	.181	.170	.162	.058	.056	.053	
7.0	.519	.470	.436	.447	.408	.380	.309	.286	.269	.179	.168	.160	.058	.055	.053	
8.0	.514	.465	.431	.442	.403	.376	.306	.283	.267	.178	.167	.159	.058	.055	.053	
9.0	.509	.460	.428	.438	.400	.373	.304	.281	.265	.177	.166	.158	.057	.054	.052	
10.0	.504	.457	.425	.434	.396	.371	.301	.279	.263	.176	.165	.157	.057	.054	.052	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1213*52*885			SERIAL No.:				
MFR.: A3592382A-01			SUR.:1.203*0.026			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	12.2	13.0	13.0	13.8	14.9	19.0	19.8	19.8	20.6	21.7
3H	13.6	14.3	14.5	15.2	16.3	19.6	20.4	20.5	21.2	22.3
4H	14.4	15.0	15.3	15.9	17.1	19.9	20.6	20.8	21.5	22.6
6H	15.1	15.7	16.0	16.6	17.8	20.1	20.7	21.0	21.6	22.7
8H	15.5	16.1	16.4	17.0	18.1	20.1	20.7	21.0	21.6	22.8
12H	15.8	16.4	16.7	17.3	18.5	20.1	20.7	21.0	21.6	22.8
4H 2H	13.1	13.7	14.0	14.6	15.8	18.7	19.4	19.6	20.3	21.4
3H	14.5	15.1	15.4	16.0	17.2	19.5	20.1	20.4	21.0	22.2
4H	15.3	15.8	16.3	16.8	18.0	19.9	20.4	20.8	21.3	22.5
6H	16.1	16.6	17.1	17.5	18.8	20.2	20.6	21.1	21.6	22.8
8H	16.5	17.0	17.5	17.9	19.2	20.3	20.7	21.3	21.7	22.9
12H	17.0	17.3	18.0	18.3	19.6	20.3	20.7	21.3	21.7	23.0
8H 4H	15.6	16.0	16.6	17.0	18.3	19.7	20.2	20.7	21.1	22.4
6H	16.6	16.9	17.6	17.9	19.2	20.1	20.5	21.2	21.5	22.8
8H	17.1	17.4	18.1	18.4	19.7	20.3	20.6	21.3	21.6	22.9
12H	17.7	17.9	18.7	19.0	20.3	20.4	20.7	21.5	21.7	23.0
12H 4H	15.6	16.0	16.6	17.0	18.3	19.7	20.1	20.7	21.0	22.3
6H	16.7	17.0	17.7	18.0	19.3	20.1	20.4	21.1	21.4	22.7
8H	17.2	17.5	18.3	18.5	19.9	20.3	20.6	21.3	21.6	22.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 1.2 / - 0.5				
1.5H	+ 0.1 / - 0.1					+ 2.0 / - 1.5				
2.0H	+ 0.1 / - 0.2					+ 2.9 / - 1.8				

CIE Pub.117, 3514 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.4$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	Shielding Angle:

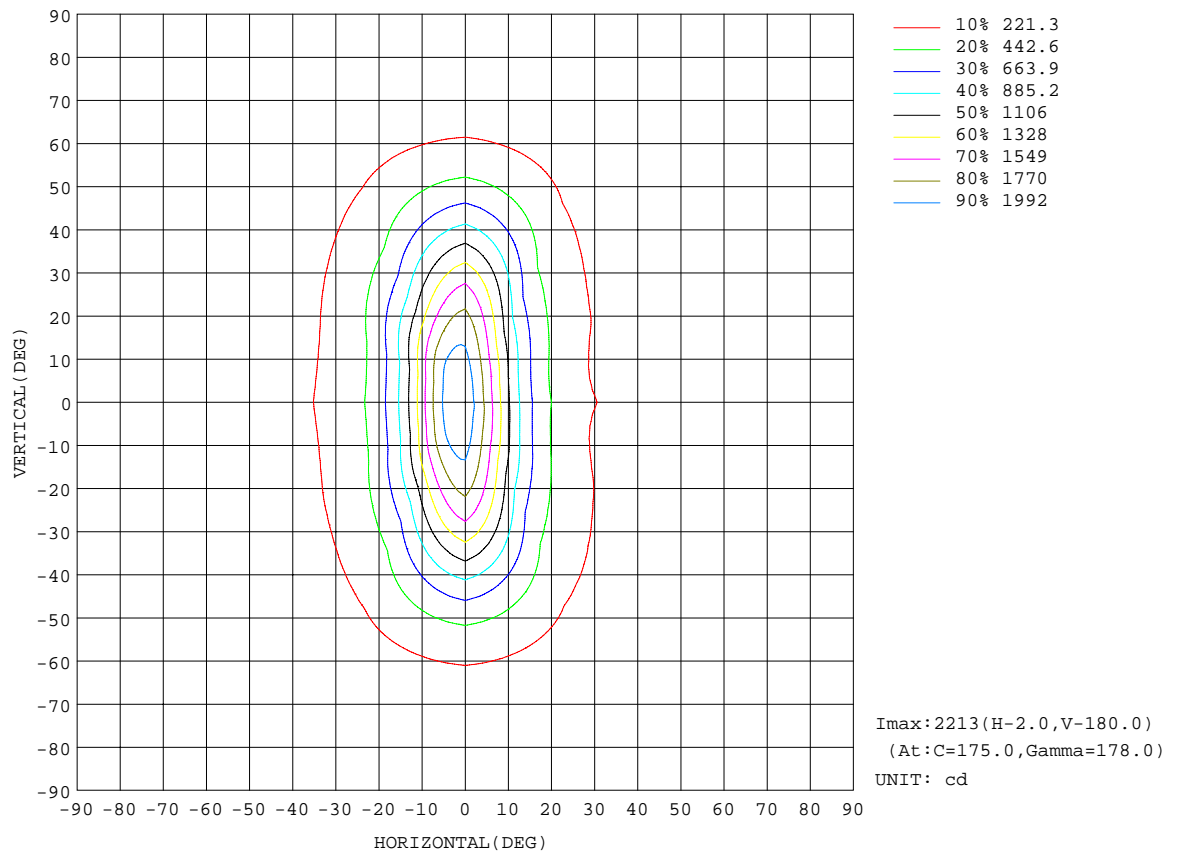
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	42	36	49	40	35	44	37	33	26
0.80	60	50	44	57	48	43	51	44	40	30
1.00	67	57	51	63	55	49	56	50	45	33
1.25	73	64	57	69	61	55	60	54	50	36
1.50	78	69	63	73	65	60	63	58	54	38
2.00	84	76	70	78	71	66	68	63	59	41
2.50	88	81	75	82	75	71	70	66	62	42
3.00	91	84	79	84	79	74	72	68	65	43
4.00	95	89	85	88	83	79	75	72	69	45
5.00	97	92	89	90	86	83	76	74	71	46
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:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	Shielding Angle:

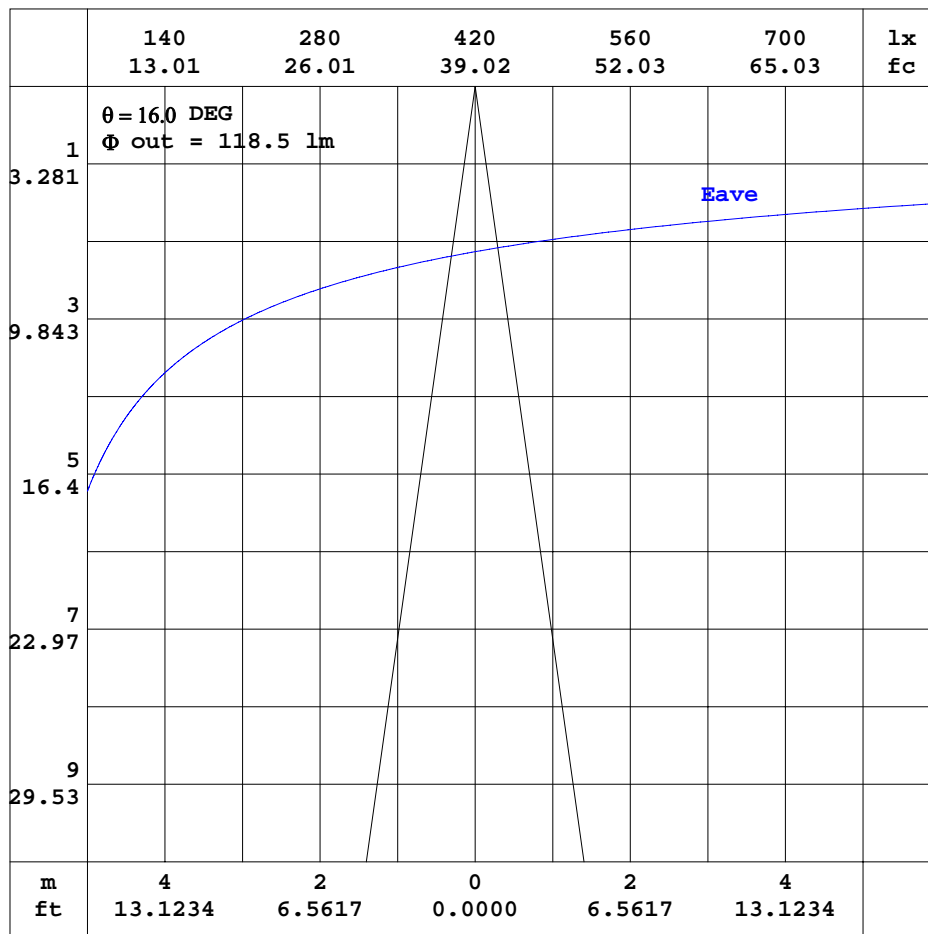


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	Shielding Angle:



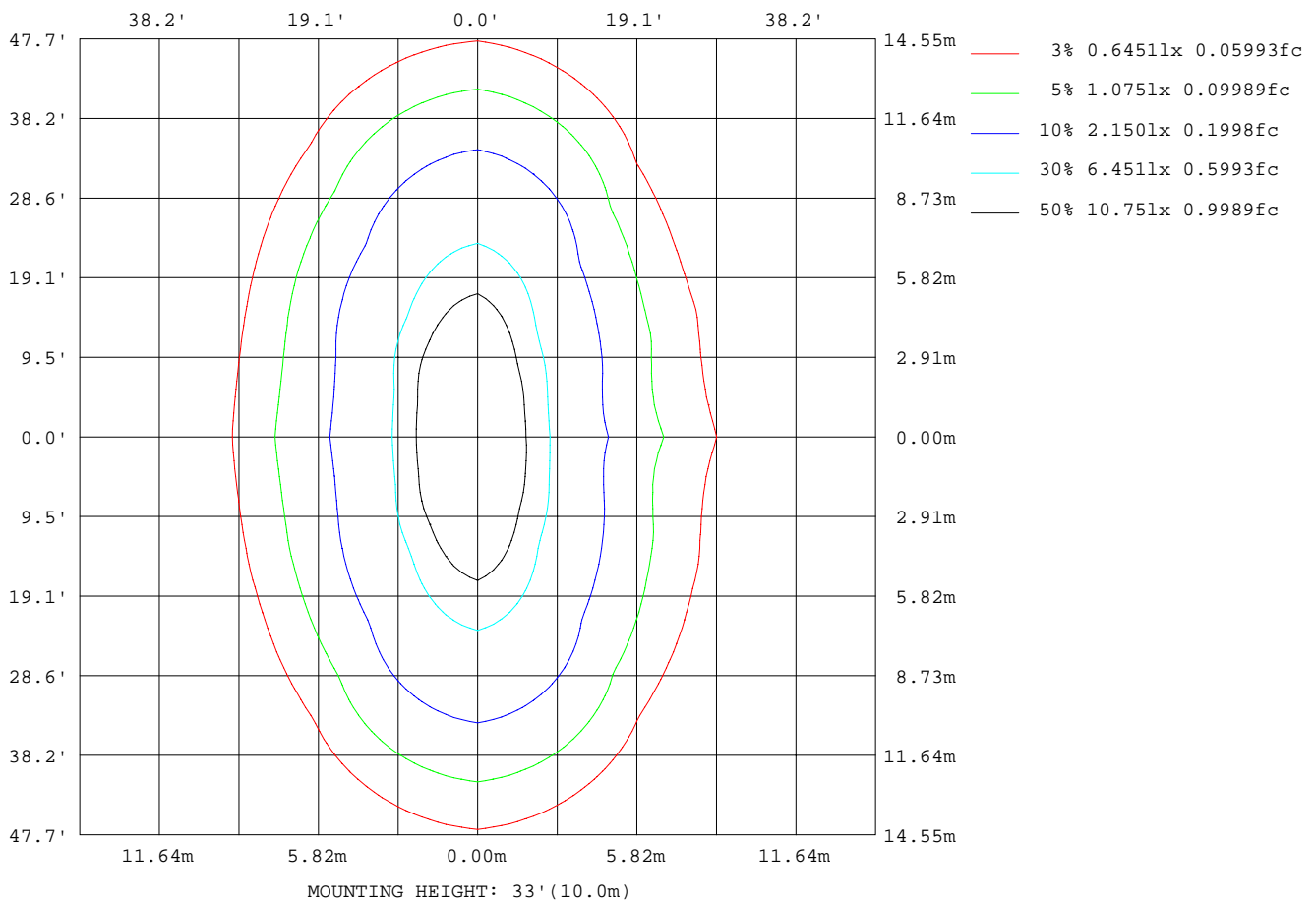
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	Shielding Angle:

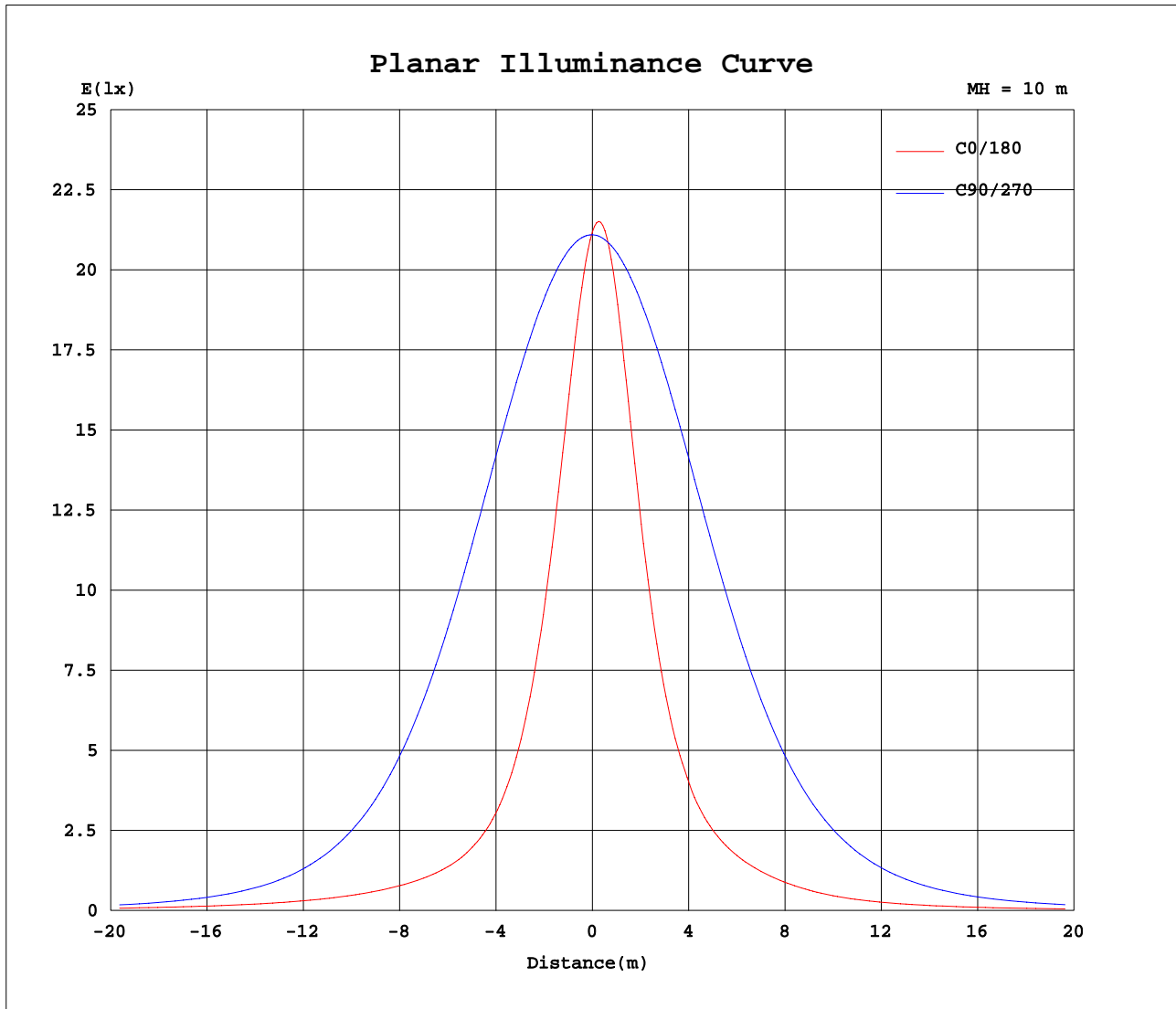
AvgL	cd/m2
L_0~180(65)av	4784
L_0~180(75)av	4377
L_0~180(85)av	5143
L_90~270(65)av	12680
L_90~270(75)av	9519
L_90~270(85)av	7556
L_45(65)av	6409
L_45(75)av	5407
L_45(85)av	4175

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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: 2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1213*52*885						SERIAL No.:		
MFR.: A3592382A-01									SUR.:1.203*0.026						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	2118	2119	2120	2120	2120	2120	2120	2118	2117	2115	2113	2112	2110	2110	2109	2109	2109	2110	2110
5	1691	1701	1712	1725	1740	1757	1776	1799	1824	1850	1877	1905	1934	1964	1994	2023	2050	2074	2095
10	1129	1139	1155	1178	1206	1241	1282	1334	1392	1454	1519	1587	1656	1734	1809	1881	1946	2001	2046
15	701	703	715	736	767	807	856	920	992	1072	1158	1249	1345	1468	1589	1704	1807	1894	1959
20	443	438	444	459	485	521	566	624	692	768	854	949	1052	1206	1360	1507	1640	1750	1831
25	303	293	292	301	320	347	384	429	483	547	622	708	806	972	1141	1303	1449	1571	1658
30	227	217	214	219	232	253	282	313	353	402	463	535	619	778	941	1099	1242	1360	1444
35	185	175	172	175	184	199	221	242	271	307	354	411	479	617	760	898	1023	1126	1200
40	157	149	146	148	155	166	182	197	218	245	280	323	376	485	597	707	805	887	945
45	135	129	127	129	134	142	154	165	181	201	227	259	298	376	457	536	607	665	707
50	117	113	111	112	116	122	130	139	151	166	185	208	235	287	341	393	440	478	505
55	103	99.0	97.3	97.4	99.5	103	109	117	126	137	151	167	185	217	250	281	309	333	349
60	89.7	86.3	84.4	84.0	84.9	87.3	91.1	96.6	103	112	121	132	144	163	182	201	217	230	239
65	76.5	73.5	71.4	70.5	70.6	71.9	74.1	78.1	82.9	88.7	95.3	103	110	122	133	143	152	160	164
70	63.8	61.1	59.2	58.0	57.6	58.0	59.1	61.5	64.6	68.3	72.4	77.0	81.9	88.5	95.1	101	106	110	113
75	50.4	48.5	47.1	46.1	45.5	45.4	45.7	46.7	48.1	49.8	51.9	54.2	56.8	60.8	64.7	68.3	71.4	73.7	75.0
80	38.1	36.8	35.8	34.9	34.2	33.8	33.5	33.3	33.4	33.7	34.1	34.8	35.6	37.7	39.8	41.7	43.4	44.5	45.0
85	24.9	24.5	24.0	23.5	23.0	22.4	21.8	21.0	20.3	19.5	18.8	18.2	17.7	18.1	18.6	19.0	19.2	19.2	18.7
90	8.17	8.66	8.44	8.16	7.83	7.46	6.43	6.47	5.88	5.26	4.62	3.99	3.38	2.78	2.23	1.74	1.31	0.96	3.69
95	0.54	0.19	0.05	0.12	0.39	0.87	1.57	2.59	3.79	5.17	6.69	8.35	10.1	12.2	14.3	16.3	18.3	20.1	21.8
100	16.9	16.6	16.6	16.8	17.2	17.9	18.8	20.0	21.4	23.1	24.9	27.0	29.3	32.6	35.9	39.2	42.3	45.1	47.4
105	29.3	28.7	28.4	28.6	29.2	30.2	31.6	33.6	36.0	38.8	41.9	45.3	49.0	54.2	59.4	64.4	69.1	73.2	76.6
110	41.4	40.2	39.7	39.9	40.7	42.1	44.2	47.1	50.6	54.7	59.4	64.6	70.3	78.4	86.6	94.5	102	108	113
115	52.5	50.7	49.8	50.0	51.1	53.2	56.3	60.6	65.8	72.0	79.0	86.9	95.7	109	122	134	146	156	164
120	63.7	61.1	59.9	60.1	61.8	64.9	69.5	75.6	83.1	92.0	102	114	127	148	169	189	208	224	236
125	76.4	73.1	71.7	72.3	74.9	79.4	85.9	93.6	103	115	130	147	166	199	233	267	297	323	343
130	92.2	88.8	87.8	89.2	93.0	99.2	108	116	128	143	161	183	210	262	316	368	417	458	489
135	115	111	111	113	119	127	137	146	158	175	197	226	261	338	417	496	569	631	678
140	146	142	142	145	152	162	175	184	197	216	243	279	325	430	540	648	749	836	902
145	186	181	180	183	191	203	220	230	247	272	306	352	411	544	683	821	950	1061	1147
150	236	228	226	230	240	256	278	295	321	355	401	460	534	688	850	1011	1160	1290	1390
155	308	298	296	302	315	336	365	394	431	479	539	612	700	865	1037	1207	1366	1504	1613
160	431	421	421	429	448	475	512	555	607	670	744	830	927	1086	1250	1411	1562	1694	1801
165	655	648	651	663	686	719	761	816	880	953	1034	1124	1222	1355	1491	1624	1747	1857	1948
170	1052	1050	1055	1070	1092	1123	1162	1215	1276	1342	1414	1490	1569	1660	1750	1837	1918	1991	2053
175	1644	1643	1646	1654	1666	1681	1701	1730	1761	1796	1832	1870	1909	1947	1985	2022	2056	2089	2118
180	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	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	2110	2110	2111	2111	2111	2111	2111	2111	2111	2111	2111	2111	2112	2113	2115	2116	2117	2118	2119
5	2108	2117	2123	2126	2125	2122	2114	2103	2091	2078	2065	2052	2042	2033	2026	2020	2016	2014	2016
10	2055	2052	2038	2014	1980	1939	1886	1829	1770	1710	1651	1597	1558	1525	1498	1479	1466	1462	1468
15	1948	1914	1860	1791	1709	1618	1526	1432	1337	1245	1159	1080	1028	988	957	936	925	923	927
20	1793	1724	1630	1517	1393	1262	1158	1055	957	866	782	708	662	626	602	587	581	583	582
25	1599	1506	1386	1247	1099	948	849	757	674	599	533	477	441	415	398	389	387	391	388
30	1377	1276	1149	1006	856	706	622	548	483	428	382	345	319	301	289	284	284	288	284
35	1136	1042	926	797	662	529	462	405	358	319	288	265	246	233	224	220	220	223	221
40	892	816	722	617	509	403	352	309	275	247	225	209	194	183	176	173	172	173	172
45	669	613	545	469	391	314	275	242	215	193	176	162	150	141	135	132	131	132	131
50	481	444	400	349	297	245	216	191	169	151	135	123	114	107	103	101	100	101	100
55	334	313	286	255	223	191	170	151	133	118	105	94.1	87.4	82.7	79.8	78.5	78.6	79.8	78.9
60	231	218	202	184	164	144	129	116	103	91.6	81.4	72.8	68.1	64.9	63.0	62.3	62.5	63.5	62.7
65	159	151	141	130	118	106	95.6	86.1	77.2	69.0	61.7	55.4	52.2	50.1	48.9	48.5	48.8	49.6	49.0
70	109	104	97.6	90.3	82.5	74.5	67.8	61.4	55.4	49.8	44.8	40.5	38.3	36.9	36.1	35.8	36.0	36.5	36.1
75	72.3	68.5	64.0	58.9	53.4	47.9	43.3	38.8	34.7	30.8	27.4	24.4	22.6	21.3	20.5	20.1	20.0	20.3	20.3
80	42.6	39.6	36.1	32.2	28.2	24.1	21.0	18.0	15.3	12.9	10.7	8.84	7.75	6.99	6.53	6.34	6.37	6.60	6.56
85	16.3	13.6	10.7	7.76	4.98	2.49	1.79	1.46	1.43	1.64	2.01	2.47	2.57	2.68	2.79	2.89	2.98	3.05	2.91
90	0.75	0.89	1.09	1.35	1.64	1.93	2.11	2.28	2.44	2.59	2.72	11.5	2.95	3.04	3.11	3.16	3.19	15.3	3.17
95	22.6	23.1	23.6	23.8	24.0	24.1	24.4	24.7	25.0	25.3	25.6	26.1	26.9	27.9	28.7	29.5	30.2	30.6	30.3
100	47.8	47.8	47.3	46.5	45.5	44.2	43.0	41.7	40.5	39.4	38.4	37.7	38.3	39.2	40.1	41.1	42.0	42.7	42.1
105	77.0	76.5	75.3	73.4	71.1	68.4	65.3	62.1	58.9	55.9	53.2	51.0	51.2	51.8	52.7	53.8	54.9	55.9	55.0
110	113	112	110	106	102	96.7	91.3	85.6	80.0	74.7	69.9	65.8	65.1	65.2	65.9	67.0	68.2	69.4	68.3
115	163	160	154	147	139	131	122	113	105	96.8	89.5	83.3	81.3	80.4	80.4	81.1	82.2	83.4	82.2
120	233	226	216	203	188	173	160	146	134	122	111	102	98.2	95.9	95.0	95.1	96.0	97.4	96.1
125	336	322	302	279	253	227	206	187	168	151	136	123	117	113	110	110	110	112	110
130	476	451	419	380	338	295	265	236	210	186	165	147	138	132	128	127	128	130	128
135	657	620	570	511	448	383	340	300	263	230	201	176	163	154	149	148	148	151	149
140	874	824	756	677	590	502	442	387	335	289	249	215	196	184	177	174	175	179	175
145	1115	1055	973	876	770	660	583	509	440	378	322	275	248	230	219	214	215	219	214
150	1361	1301	1215	1110	993	870	775	682	594	511	437	372	335	309	293	284	282	285	281
155	1596	1547	1471	1374	1262	1140	1032	924	817	715	621	537	489	453	427	412	406	408	406
160	1804	1777	1725	1652	1561	1458	1350	1237	1122	1010	904	807	750	705	672	650	639	638	639
165	1969	1969	1948	1909	1854	1785	1697	1600	1500	1399	1302	1211	1153	1105	1068	1042	1026	1021	1026
170	2083	2101	2106	2100	2084	2057	2009	1955	1896	1835	1774	1716	1675	1639	1611	1588	1574	1567	1574
175	2140	2158	2173	2183	2190	2194	2189	2181	2171	2159	2147	2134	2125	2116	2108	2102	2098	2095	2098
180	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1213*52*885	SERIAL No.:
MFR.: A3592382A-01	SUR.:1.203*0.026	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	2120	2120	2120	2120	2120	2118	2117	2115	2113	2112	2110	2110	2109	2109	2109	2110	2110	2110	2110
5	2021	2027	2035	2044	2054	2069	2084	2099	2112	2124	2133	2134	2133	2127	2119	2107	2092	2070	2045
10	1482	1504	1532	1567	1609	1670	1734	1800	1864	1925	1980	2015	2042	2058	2063	2057	2039	1990	1931
15	941	965	999	1044	1099	1189	1286	1388	1491	1592	1688	1770	1840	1896	1934	1953	1950	1877	1784
20	590	607	635	674	726	813	911	1017	1127	1239	1349	1469	1579	1675	1751	1801	1821	1731	1613
25	392	403	423	452	493	561	641	728	823	924	1029	1170	1305	1429	1533	1609	1651	1554	1424
30	286	292	306	327	356	404	461	526	600	682	772	914	1054	1186	1299	1387	1441	1348	1221
35	222	227	236	252	274	306	345	393	448	511	582	709	837	957	1063	1147	1199	1118	1007
40	173	178	186	198	215	237	265	299	339	386	441	543	647	747	834	904	949	885	796
45	133	137	144	154	168	185	207	233	264	300	341	417	494	566	631	682	715	668	604
50	101	104	110	117	128	143	162	184	208	236	267	319	370	419	461	495	516	485	442
55	79.1	80.9	84.3	89.8	97.6	111	127	144	164	185	208	241	273	302	328	348	360	341	315
60	62.7	63.7	66.0	69.8	75.4	86.1	98.4	112	127	142	158	178	197	214	229	240	246	236	221
65	48.9	49.5	51.0	53.6	57.5	65.3	74.2	84.0	94.5	105	116	129	140	151	159	166	170	164	156
70	36.1	36.6	37.6	39.5	42.1	47.5	53.7	60.5	67.7	75.1	82.5	90.4	97.8	104	110	114	117	114	109
75	20.5	21.2	22.3	23.9	26.1	30.0	34.3	39.0	44.0	49.1	54.2	59.7	64.8	69.5	73.5	76.7	78.8	77.0	74.3
80	6.72	7.13	7.85	8.90	10.3	12.9	15.8	18.9	22.3	25.8	29.4	33.4	37.3	40.9	44.0	46.6	48.6	47.9	46.5
85	2.77	2.65	2.56	2.53	2.59	2.62	2.81	3.19	3.80	4.70	5.91	8.59	11.5	14.5	17.3	20.0	22.3	22.7	22.6
90	3.12	3.05	2.96	2.86	2.74	2.59	2.44	2.29	2.14	2.00	8.25	1.72	1.61	1.54	1.53	1.60	1.75	2.20	2.72
95	29.7	29.0	28.2	27.4	26.5	26.0	25.5	25.0	24.5	24.1	23.7	23.5	23.3	23.0	22.6	22.0	21.2	19.6	17.8
100	41.3	40.4	39.6	38.8	38.2	38.6	39.3	40.1	41.1	42.1	43.2	44.5	45.8	46.8	47.5	47.9	47.6	45.4	42.7
105	54.0	53.0	52.2	51.6	51.4	53.2	55.4	57.9	60.6	63.5	66.4	69.5	72.3	74.8	76.6	77.7	77.8	74.6	70.6
110	67.1	66.1	65.4	65.3	65.8	69.3	73.5	78.3	83.4	88.6	93.9	99.6	105	109	113	115	116	111	105
115	81.2	80.5	80.4	81.2	83.0	88.4	94.8	102	110	118	126	136	146	154	161	166	168	161	151
120	95.2	95.1	95.9	97.9	101	109	118	129	141	153	166	183	200	216	229	238	244	232	217
125	110	110	112	116	122	133	146	161	178	196	216	245	275	302	325	343	354	335	309
130	127	128	132	137	146	161	179	200	224	251	280	328	376	421	460	490	509	479	437
135	148	150	154	162	174	194	219	248	282	320	362	434	506	574	633	679	708	662	599
140	174	177	183	195	212	240	274	314	360	413	471	570	668	761	842	905	944	878	790
145	214	218	228	245	269	308	356	411	474	544	620	743	865	979	1077	1153	1198	1114	1001
150	283	291	306	330	364	420	485	559	640	728	822	960	1094	1218	1323	1401	1446	1347	1216
155	413	427	452	486	532	605	689	780	878	981	1086	1222	1353	1469	1565	1634	1667	1561	1423
160	649	670	702	745	799	886	982	1085	1191	1299	1405	1522	1628	1720	1790	1835	1848	1746	1615
165	1042	1068	1104	1150	1206	1289	1379	1473	1568	1660	1747	1825	1892	1945	1979	1994	1984	1898	1790
170	1590	1613	1642	1677	1717	1771	1828	1885	1941	1993	2039	2071	2095	2108	2111	2101	2078	2017	1946
175	2104	2111	2119	2128	2138	2149	2161	2172	2181	2188	2193	2191	2186	2178	2166	2150	2130	2101	2068
180	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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:229.71V I:0.1302A P:29.248W PF:0.9781 Freq:49.99Hz Lamp Flux:3514.09x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1213*52*885						SERIAL No.:		
MFR.: A3592382A-01									SUR.:1.203*0.026						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	2111	2111	2111	2111	2111	2111	2111	2111	2111	2111	2112	2112	2114	2115	2117				
5	2017	1988	1958	1927	1895	1863	1832	1803	1776	1751	1733	1719	1707	1699	1693				
10	1864	1790	1712	1633	1561	1491	1423	1360	1302	1249	1211	1180	1156	1140	1131				
15	1675	1557	1433	1308	1211	1120	1035	957	887	826	780	744	719	703	697				
20	1474	1322	1164	1009	906	814	731	657	594	541	499	467	446	435	433				
25	1271	1104	932	765	669	587	517	458	410	371	337	312	297	290	292				
30	1072	909	743	582	500	432	376	333	298	273	247	229	217	213	217				
35	875	732	586	445	379	326	285	253	230	214	196	182	174	172	176				
40	691	577	461	349	298	258	227	204	188	178	164	154	148	147	150				
45	528	444	359	278	240	211	188	171	159	151	140	133	129	128	130				
50	391	335	278	223	196	175	158	145	135	128	120	115	112	111	113				
55	283	248	213	178	160	145	132	122	114	108	103	99.2	97.4	97.4	99.1				
60	202	182	161	141	129	118	109	102	95.5	90.8	87.2	84.9	84.1	84.6	86.4				
65	145	134	122	110	102	94.5	88.1	82.6	78.0	74.5	72.2	71.0	70.8	71.7	73.6				
70	103	96.7	89.7	82.5	77.5	72.9	68.8	65.2	62.2	59.9	58.7	58.3	58.5	59.6	61.3				
75	70.8	66.9	62.6	58.4	55.7	53.3	51.2	49.4	47.9	46.9	46.4	46.4	46.7	47.5	48.8				
80	44.7	42.5	40.3	38.0	37.0	36.2	35.6	35.2	34.9	34.9	34.9	35.2	35.7	36.3	37.1				
85	22.3	21.7	21.1	20.4	20.6	20.9	21.3	21.7	22.2	22.6	23.0	23.4	23.8	24.2	24.5				
90	3.31	3.94	4.59	4.94	5.81	6.36	6.87	7.35	7.78	8.15	8.42	8.63	8.77	8.85	8.87				
95	15.9	13.8	11.8	9.76	8.08	6.51	5.06	3.76	2.61	1.65	0.98	0.50	0.22	0.13	0.24				
100	39.7	36.4	33.1	29.8	27.4	25.3	23.3	21.6	20.1	18.8	17.9	17.2	16.7	16.6	16.6				
105	65.9	60.8	55.5	50.3	46.4	42.9	39.6	36.7	34.2	32.1	30.5	29.4	28.8	28.5	28.7				
110	97.5	89.5	81.2	72.9	67.0	61.4	56.4	51.9	48.0	44.8	42.5	40.9	40.0	39.8	40.2				
115	140	127	114	100	91.0	82.5	74.8	68.0	62.1	57.2	53.8	51.4	50.1	49.8	50.6				
120	198	177	156	134	120	108	96.3	86.4	77.9	70.9	65.8	62.3	60.3	59.9	61.0				
125	279	245	210	176	155	137	121	108	96.9	88.0	80.7	75.6	72.7	71.8	73.0				
130	388	333	278	223	195	171	151	134	121	111	101	94.4	89.9	88.1	88.9				
135	524	443	360	280	241	210	186	167	152	142	130	121	115	111	112				
140	686	574	459	349	299	260	230	208	192	181	166	155	147	143	142				
145	869	726	580	441	377	327	289	260	240	226	208	194	185	180	181				
150	1063	897	728	566	488	424	374	335	306	285	261	243	232	227	228				
155	1262	1088	910	738	646	568	503	451	409	376	344	321	305	298	299				
160	1463	1299	1132	968	868	779	702	636	580	533	493	462	440	428	425				
165	1667	1533	1396	1260	1161	1070	987	911	845	787	741	705	678	661	653				
170	1865	1778	1688	1597	1519	1445	1375	1309	1249	1195	1153	1118	1091	1071	1058				
175	2033	1996	1958	1920	1885	1850	1817	1786	1756	1730	1708	1690	1674	1661	1651				
180	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155	2155				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-02-09

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: