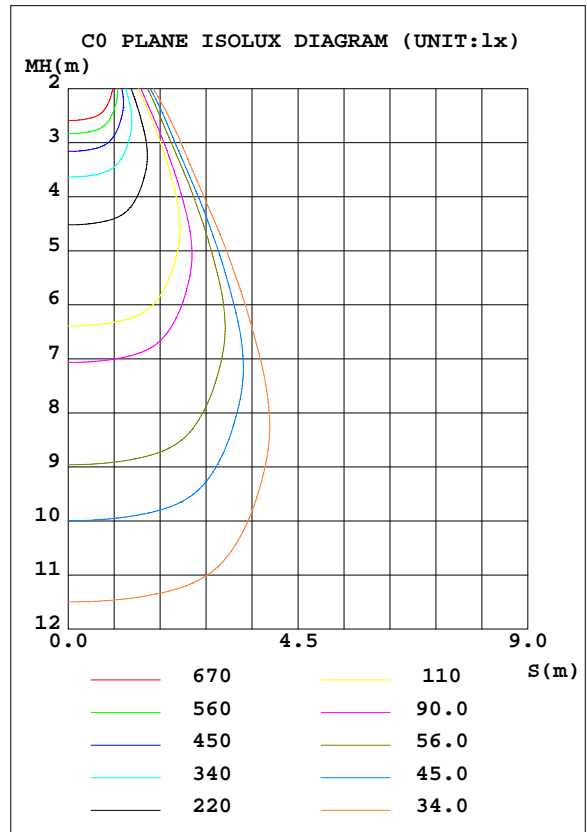
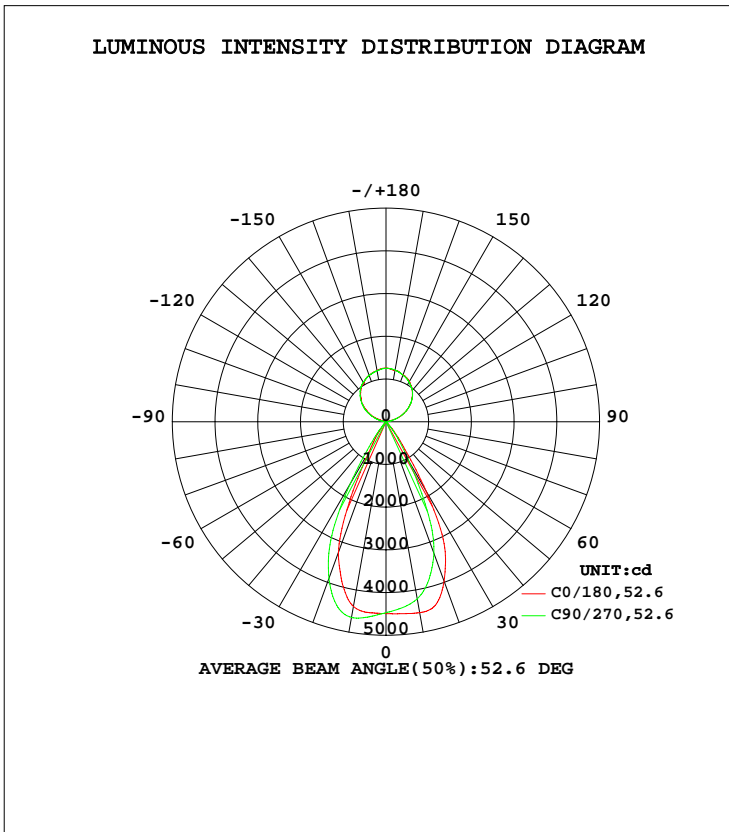


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.85 lm/W			
MODEL		I _{max} (cd)	4663	S/MH(C0/180)	0.83
NOMINAL POWER(W)	55	LOR(%)	100.0	S/MH(C90/270)	0.74
RATED VOLTAGE(V)	110.0	TOTAL FLUX(lm)	6607.5	η UP, DN(C0-180)	26.3,22.7
NOMINAL FLUX(lm)	6607.54	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	25.9,25.1
LAMPS INSIDE	1	η up(%)	52.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	110.0	η down(%)	47.8	CIBSE SHR MAX	0.75



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

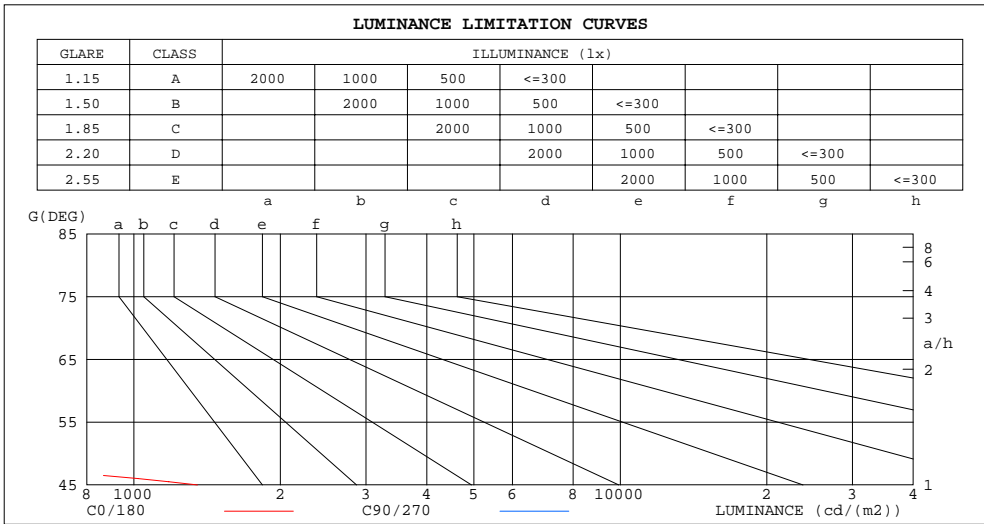
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	4539	4340	4210	4215	4390	4555	4652	4646	0- 10	426.8	426.8	6.46,6.46
20	3977	3611	3279	3104	3255	3545	3909	4092	10- 20	1153	1580	23.9,23.9
30	1894	1490	1108	828.7	740.2	1022	1675	2041	20- 30	1154	2734	41.4,41.4
40	286.3	285.8	188.1	137.1	64.78	110.2	144.4	248.1	30- 40	371.1	3105	47,47
50	13.97	23.14	8.930	10.60	4.974	9.636	7.668	20.07	40- 50	46.69	3152	47.7,47.7
60	1.113	1.806	0.5459	0.8370	0.2644	0.7872	0.4714	1.681	50- 60	3.918	3156	47.8,47.8
70	0.2151	0.1875	0.1177	0.1652	0.2125	0.1801	0.1212	0.2256	60- 70	0.3519	3156	47.8,47.8
80	0.2169	0.1549	0.1008	0.1517	0.2981	0.1767	0.1212	0.1874	70- 80	0.1795	3157	47.8,47.8
90	0.3251	1.862	0.0937	1.385	1.661	1.415	0.1212	2.180	80- 90	0.2938	3157	47.8,47.8
100	53.92	50.44	92.60	36.79	36.26	34.64	84.90	47.47	90-100	19.45	3176	48.1,48.1
110	332.0	322.0	325.6	279.3	236.4	273.1	310.1	311.6	100-110	168.2	3344	50.6,50.6
120	578.3	569.1	578.5	533.9	522.4	505.6	558.7	554.4	110-120	416.3	3761	56.9,56.9
130	786.5	782.4	787.0	759.9	750.9	729.0	764.5	769.2	120-130	585.7	4346	65.8,65.8
140	958.7	950.0	961.4	934.4	923.7	912.3	942.2	939.3	130-140	658.2	5005	75.7,75.7
150	1092	1074	1078	1063	1048	1044	1065	1068	140-150	631.0	5636	85.3,85.3
160	1168	1167	1166	1173	1157	1139	1157	1165	150-160	516.6	6152	93.1,93.1
170	1220	1215	1230	1220	1218	1220	1214	1231	160-170	337.5	6490	98.2,98.2
180	1258	1258	1258	1258	1258	1258	1258	1258	170-180	117.9	6608	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:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	43	19
80	21	10
75	14	7
70	11	6
65	11	6
60	38	19
55	125	79
50	372	238
45	1351	861

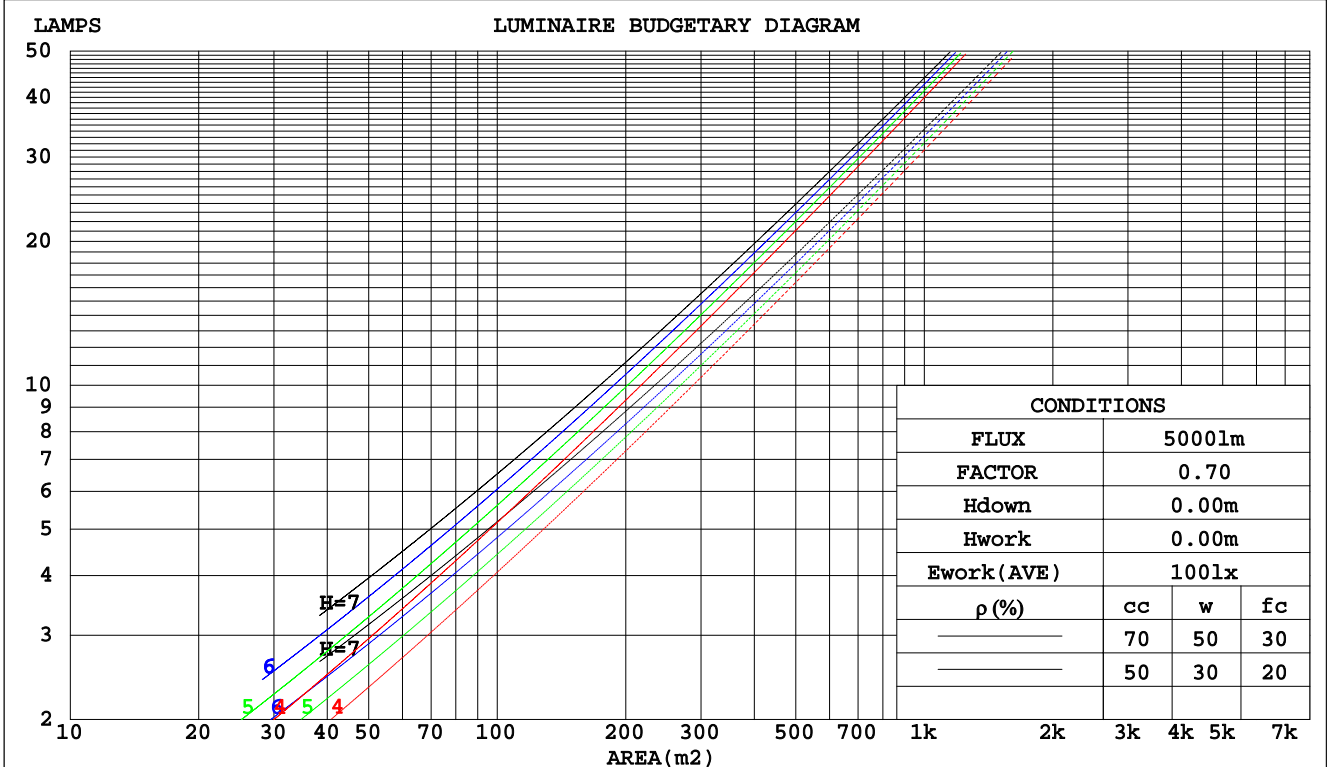
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 9.370m [K=1.0672]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																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	.98	.98	.98	.82	.82	.82	.67	.67	.67	.54	.54	.54	.48
1.0	.96	.94	.91	.89	.87	.85	.76	.74	.72	.63	.62	.61	.52	.51	.51	.45
2.0	.88	.83	.79	.82	.78	.74	.70	.67	.65	.59	.57	.56	.49	.48	.47	.43
3.0	.80	.75	.70	.75	.70	.66	.65	.61	.59	.55	.53	.51	.47	.45	.44	.40
4.0	.74	.68	.63	.69	.64	.60	.60	.56	.53	.52	.49	.47	.44	.43	.41	.38
5.0	.68	.62	.57	.64	.58	.54	.56	.52	.49	.49	.46	.44	.42	.40	.39	.36
6.0	.63	.56	.52	.59	.54	.50	.52	.48	.45	.46	.43	.41	.40	.38	.37	.34
7.0	.58	.52	.48	.55	.50	.46	.49	.45	.42	.44	.41	.38	.38	.36	.35	.32
8.0	.55	.48	.44	.52	.46	.42	.46	.42	.39	.41	.38	.36	.37	.34	.33	.31
9.0	.51	.45	.41	.49	.43	.39	.44	.40	.37	.39	.36	.34	.35	.33	.31	.29
10.0	.48	.42	.38	.46	.40	.37	.41	.37	.34	.37	.34	.32	.33	.31	.30	.28



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 9.370m [K=1.0672]
 Remarks:

WEC AND CCEC

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.212	.120	.038	.189	.108	.034	.147	.084	.027	.108	.062	.020	.072	.042	.013	
2.0	.197	.108	.033	.176	.097	.030	.138	.077	.024	.103	.058	.018	.070	.040	.013	
3.0	.184	.098	.029	.165	.088	.027	.130	.071	.021	.098	.054	.016	.068	.038	.012	
4.0	.172	.089	.026	.155	.081	.024	.123	.065	.019	.093	.050	.015	.066	.036	.011	
5.0	.161	.082	.024	.146	.075	.022	.116	.061	.018	.089	.047	.014	.063	.034	.010	
6.0	.152	.076	.022	.137	.069	.020	.110	.057	.016	.085	.044	.013	.061	.032	.010	
7.0	.143	.071	.020	.130	.065	.018	.105	.053	.015	.081	.042	.012	.059	.031	.009	
8.0	.136	.066	.019	.123	.061	.017	.100	.050	.014	.078	.039	.011	.057	.029	.009	
9.0	.129	.062	.017	.117	.057	.016	.095	.047	.013	.075	.037	.011	.055	.028	.008	
10.0	.122	.059	.016	.111	.054	.015	.091	.045	.013	.072	.036	.010	.053	.027	.008	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.588	.588	.588	.503	.503	.503	.343	.343	.343	.197	.197	.197	.063	.063	.063	
1.0	.575	.558	.543	.492	.479	.468	.336	.330	.323	.194	.191	.188	.062	.061	.061	
2.0	.563	.536	.513	.483	.462	.444	.331	.319	.310	.191	.186	.181	.061	.060	.059	
3.0	.554	.520	.493	.475	.448	.427	.326	.311	.300	.188	.182	.177	.060	.059	.058	
4.0	.546	.507	.478	.468	.438	.415	.322	.305	.292	.186	.179	.173	.060	.058	.057	
5.0	.538	.497	.467	.462	.430	.406	.318	.300	.287	.184	.176	.170	.059	.058	.056	
6.0	.532	.489	.459	.457	.424	.399	.315	.297	.283	.183	.174	.168	.059	.057	.055	
7.0	.526	.483	.452	.452	.418	.394	.313	.293	.279	.182	.173	.166	.059	.057	.055	
8.0	.521	.477	.447	.448	.414	.390	.310	.291	.277	.180	.171	.165	.058	.056	.055	
9.0	.516	.473	.444	.444	.410	.387	.308	.288	.275	.179	.170	.164	.058	.056	.054	
10.0	.511	.469	.441	.441	.407	.384	.306	.286	.273	.178	.169	.163	.058	.056	.054	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm										
NAME: LLL400					TYPE:			WEIGHT:		
SPEC.:					DIM.: 1179*64*35			SERIAL No.:		
MFR.: A4081356-01					SUR.:1.168*0.05			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	8.4	9.1	9.3	10.0	11.0	6.7	7.4	7.6	8.2	9.3
3H	8.1	8.7	9.0	9.6	10.7	6.4	7.0	7.3	7.9	8.9
4H	7.9	8.5	8.9	9.4	10.5	6.2	6.8	7.1	7.7	8.8
6H	7.8	8.3	8.7	9.2	10.3	6.0	6.6	7.0	7.5	8.6
8H	7.7	8.2	8.6	9.1	10.3	5.9	6.5	6.9	7.4	8.5
12H	7.6	8.1	8.5	9.0	10.2	5.9	6.3	6.8	7.3	8.4
4H 2H	7.9	8.5	8.9	9.4	10.5	6.2	6.8	7.1	7.7	8.8
3H	7.6	8.1	8.5	9.0	10.2	5.9	6.3	6.8	7.3	8.4
4H	7.4	7.8	8.4	8.8	10.0	5.7	6.1	6.6	7.1	8.3
6H	7.2	7.6	8.2	8.6	9.8	5.5	5.9	6.5	6.8	8.1
8H	7.1	7.5	8.1	8.4	9.7	5.4	5.7	6.4	6.7	8.0
12H	7.0	7.3	8.0	8.3	9.6	5.3	5.6	6.3	6.6	7.9
8H 4H	7.1	7.5	8.1	8.4	9.7	5.4	5.7	6.4	6.7	8.0
6H	6.9	7.2	7.9	8.2	9.5	5.2	5.5	6.2	6.5	7.8
8H	6.8	7.1	7.9	8.1	9.4	5.1	5.3	6.1	6.4	7.7
12H	6.7	6.9	7.8	8.0	9.3	5.0	5.2	6.0	6.2	7.6
12H 4H	7.0	7.3	8.0	8.3	9.6	5.3	5.6	6.3	6.6	7.9
6H	6.8	7.1	7.9	8.1	9.4	5.1	5.3	6.1	6.4	7.7
8H	6.7	6.9	7.8	8.0	9.3	5.0	5.2	6.0	6.2	7.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.7 / -24.6					+ 3.0 / -25.9				
1.5H	+ 6.4 / -18.7					+ 5.7 / -18.4				
2.0H	+ 7.1 / -15.5					+ 6.9 / -16.9				

CIE Pub.117, 6608 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.6)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:

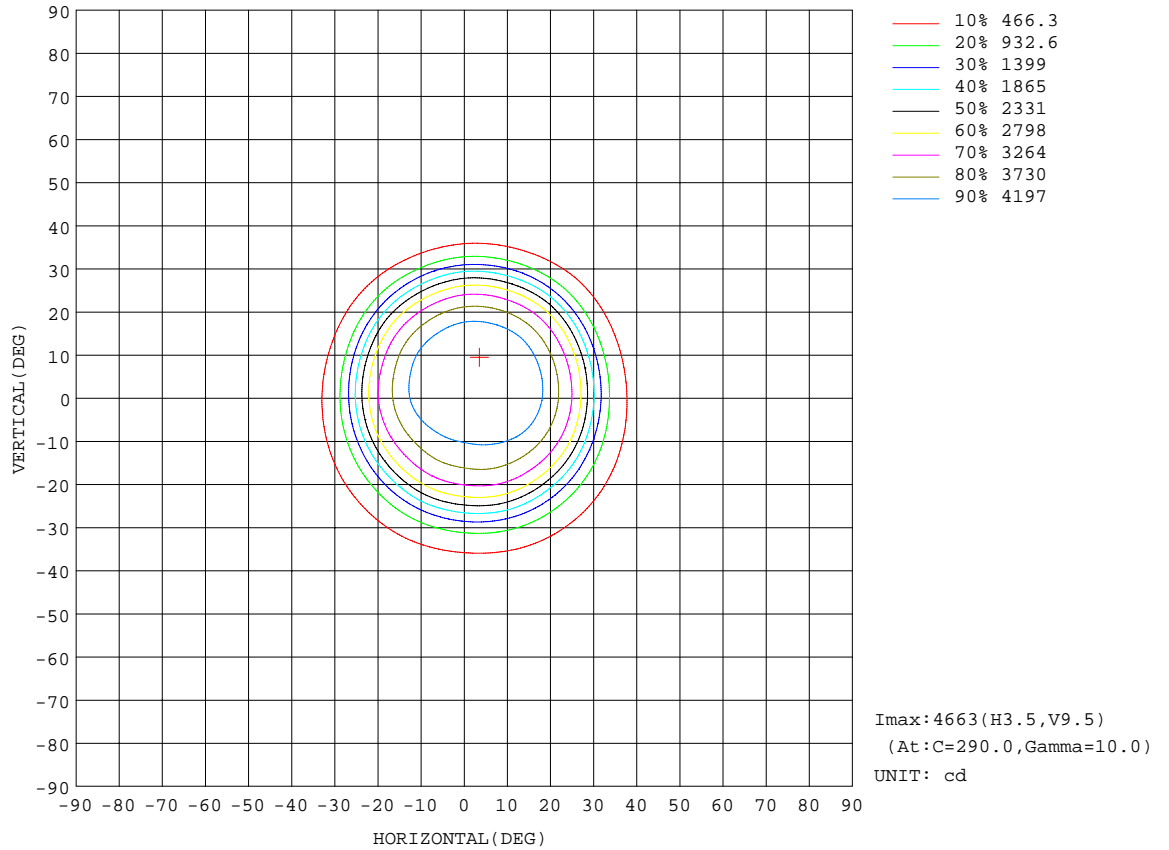
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	51	46	57	50	45	52	47	43	37
0.80	67	59	54	64	57	52	58	53	49	41
1.00	73	64	59	69	62	57	62	57	53	42
1.25	78	70	64	73	67	62	65	60	57	44
1.50	82	74	69	77	70	66	68	63	60	45
2.00	87	80	75	81	75	71	71	67	64	46
2.50	90	84	79	84	79	75	72	69	66	46
3.00	93	87	82	86	81	78	74	71	68	47
4.00	96	91	87	89	85	82	76	74	71	47
5.00	98	94	91	91	88	85	77	75	73	48
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:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:

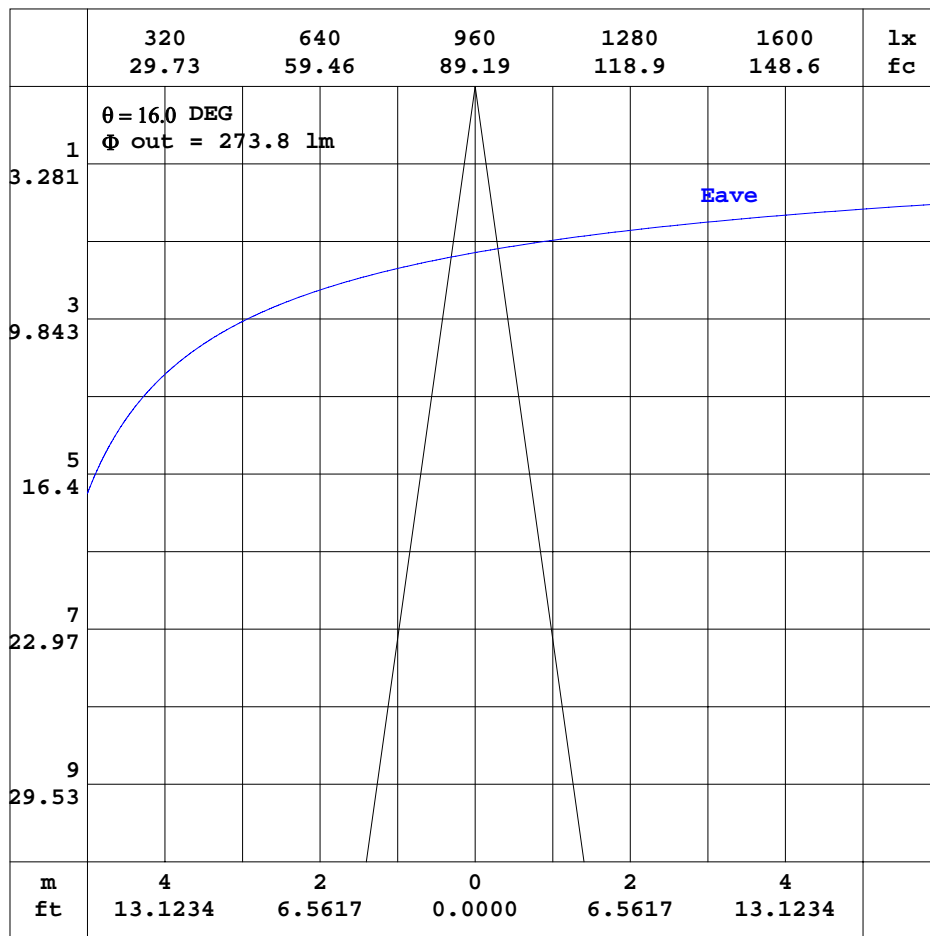


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 9.370m [K=1.0672]
 Remarks:

AAI CURVES

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:



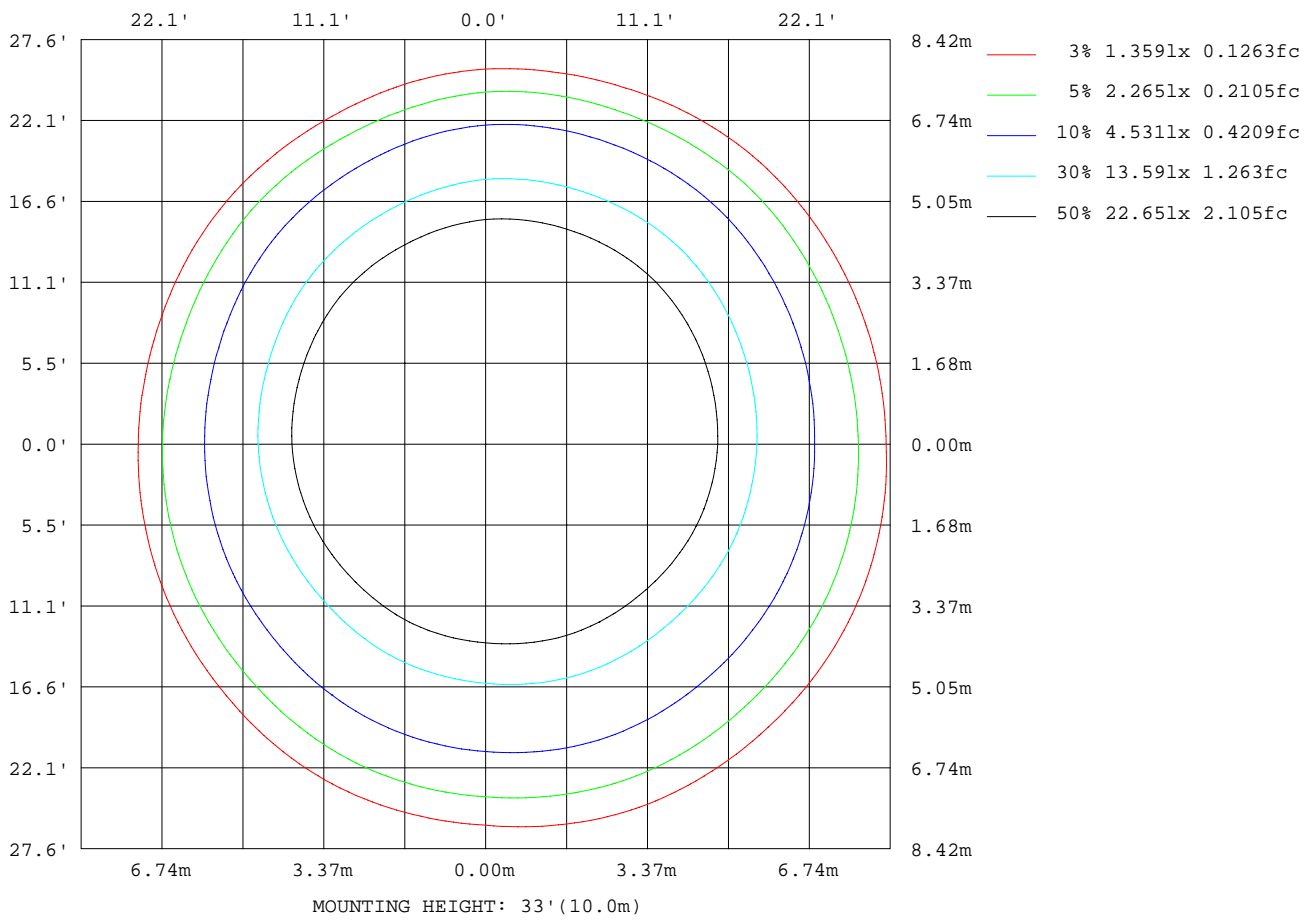
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

ISOLUX DIAGRAM

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

LED Avg.L Report

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	Shielding Angle:

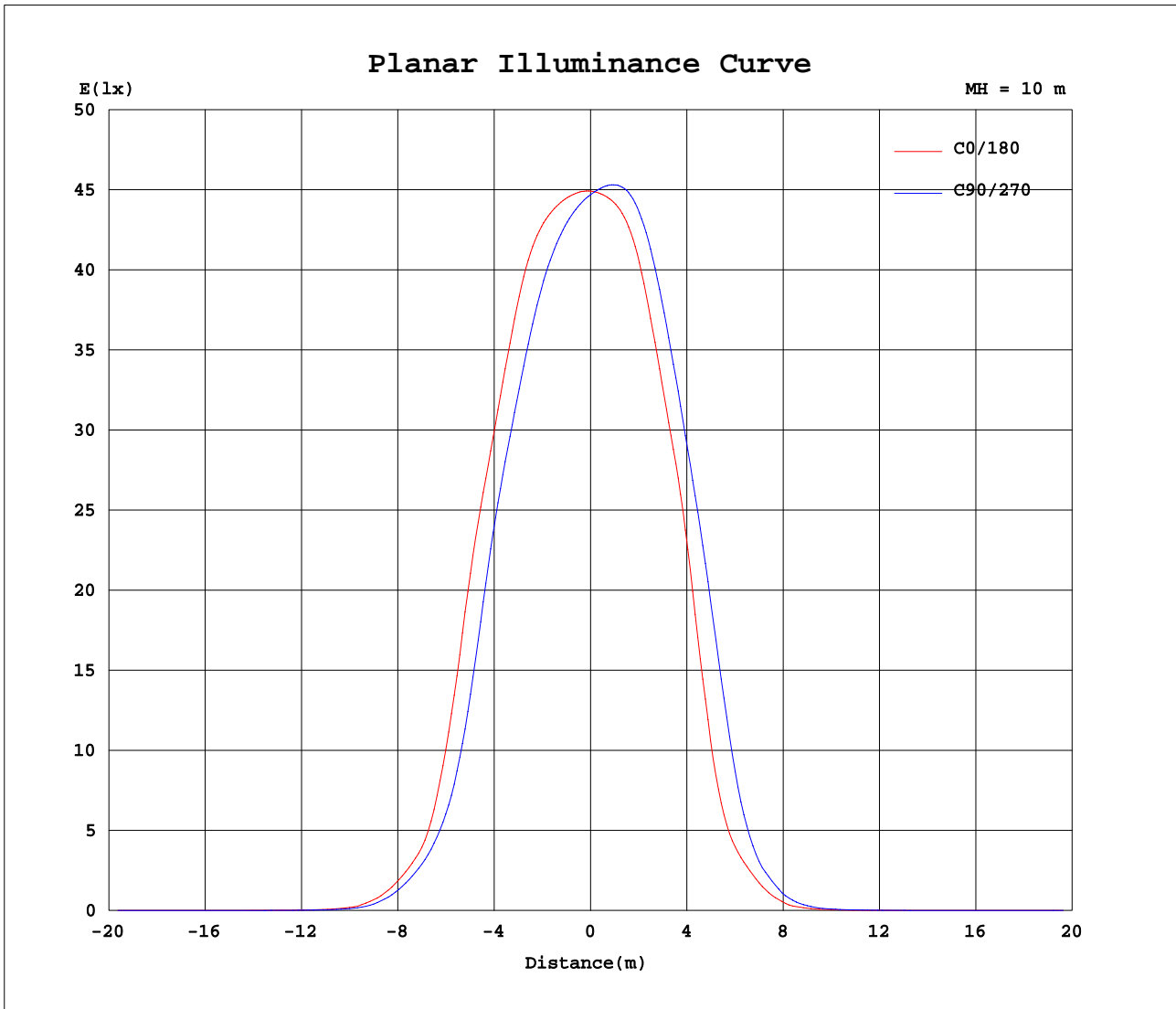
AvgL	cd/m2
L_0~180(65)av	10
L_0~180(75)av	15
L_0~180(85)av	58
L_90~270(65)av	5
L_90~270(75)av	8
L_90~270(85)av	22
L_45(65)av	14
L_45(75)av	11
L_45(85)av	33

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 9.370m [K=1.0672]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	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	4492	4490	4488	4486	4484	4483	4482	4481	4480	4480	4479	4479	4478	4478	4477	4475	4473	4471	4470
5	4510	4499	4488	4478	4468	4458	4449	4440	4432	4424	4416	4410	4403	4397	4391	4385	4380	4375	4371
10	4539	4516	4493	4471	4448	4426	4403	4381	4360	4340	4322	4305	4289	4274	4259	4244	4231	4220	4210
15	4451	4422	4391	4358	4324	4286	4246	4205	4164	4124	4090	4057	4025	3994	3963	3931	3901	3874	3850
20	3977	3946	3913	3877	3839	3797	3751	3704	3657	3611	3573	3537	3502	3468	3430	3390	3350	3313	3279
25	3258	3231	3197	3158	3112	3058	2995	2929	2862	2797	2746	2697	2648	2597	2538	2469	2400	2332	2268
30	1894	1853	1811	1768	1725	1679	1631	1583	1536	1490	1449	1409	1370	1331	1288	1242	1196	1151	1108
35	720	724	726	725	722	715	706	694	681	668	658	647	636	623	607	588	568	548	529
40	286	295	301	306	308	307	304	299	293	286	280	273	266	257	245	230	216	201	188
45	55.8	61.1	66.0	70.5	74.4	78.4	82.3	85.2	86.9	87.0	82.9	77.2	70.6	63.5	56.6	50.3	44.5	39.5	35.5
50	14.0	14.5	15.2	16.0	16.9	18.2	19.9	21.4	22.5	23.1	21.7	19.8	17.6	15.2	13.2	11.8	10.6	9.61	8.93
55	4.18	4.43	4.69	4.96	5.24	5.59	6.00	6.35	6.60	6.70	6.30	5.76	5.13	4.47	3.92	3.49	3.13	2.85	2.64
60	1.11	1.30	1.45	1.58	1.69	1.77	1.82	1.85	1.84	1.81	1.71	1.58	1.44	1.28	1.11	0.94	0.78	0.65	0.55
65	0.28	0.28	0.29	0.31	0.33	0.37	0.42	0.47	0.51	0.52	0.47	0.39	0.31	0.23	0.18	0.16	0.15	0.14	0.14
70	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.20	0.19	0.17	0.15	0.13	0.12	0.11	0.11	0.11	0.11	0.12
75	0.21	0.21	0.21	0.21	0.20	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11
80	0.22	0.22	0.22	0.22	0.21	0.20	0.19	0.18	0.17	0.15	0.14	0.13	0.12	0.11	0.11	0.10	0.10	0.10	0.10
85	0.22	0.23	0.24	0.24	0.23	0.22	0.21	0.19	0.17	0.15	0.14	0.13	0.12	0.11	0.11	0.10	0.10	0.10	0.10
90	0.33	0.30	0.28	0.26	0.24	0.22	0.20	0.18	0.16	1.86	0.13	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.09
95	6.81	7.78	8.69	9.55	10.3	11.1	11.9	12.6	13.1	13.5	13.0	12.4	12.0	11.9	13.2	16.0	18.7	21.0	22.6
100	53.9	50.1	47.2	45.1	43.9	43.2	43.2	44.3	46.6	50.4	58.9	68.2	77.6	86.4	92.0	94.2	95.0	94.3	92.6
105	118	118	120	124	131	142	158	173	188	200	202	201	198	195	193	195	196	197	198
110	332	319	310	303	299	299	304	310	316	322	322	321	320	318	319	321	324	325	326
115	459	445	435	427	423	424	429	435	442	449	450	450	449	448	449	451	453	454	453
120	578	566	557	551	547	547	551	557	563	569	570	570	570	569	571	574	577	579	579
125	688	678	670	665	662	662	666	671	677	682	683	683	683	683	683	685	687	687	687
130	786	779	773	769	767	767	770	774	778	782	784	786	787	787	788	788	789	788	787
135	877	872	868	865	864	864	865	867	870	872	873	874	874	875	876	879	881	882	883
140	959	956	954	952	950	949	949	949	949	950	951	951	952	953	955	958	960	961	961
145	1029	1028	1027	1025	1024	1023	1022	1020	1019	1018	1017	1016	1016	1015	1015	1016	1017	1018	1019
150	1092	1091	1089	1088	1086	1083	1080	1078	1075	1074	1077	1080	1084	1087	1088	1086	1083	1080	1078
155	1142	1141	1139	1137	1135	1131	1126	1121	1118	1115	1120	1125	1131	1136	1138	1136	1133	1131	1128
160	1168	1166	1164	1163	1163	1163	1163	1164	1165	1167	1169	1172	1175	1177	1176	1174	1171	1168	1166
165	1209	1206	1204	1202	1200	1199	1198	1198	1198	1198	1199	1199	1199	1199	1200	1200	1201	1201	1201
170	1220	1214	1210	1206	1204	1204	1206	1209	1212	1215	1217	1218	1220	1221	1223	1225	1227	1229	1230
175	1241	1240	1239	1238	1239	1239	1241	1243	1244	1246	1247	1247	1247	1247	1247	1247	1248	1248	1248
180	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	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	4469	4468	4468	4467	4466	4465	4463	4462	4461	4459	4458	4458	4459	4463	4471	4478	4486	4492	4492
5	4368	4367	4367	4367	4368	4369	4371	4374	4377	4382	4387	4395	4404	4417	4434	4451	4469	4485	4496
10	4204	4200	4197	4197	4197	4199	4202	4207	4215	4226	4239	4255	4273	4294	4317	4342	4366	4390	4409
15	3834	3822	3811	3803	3793	3782	3773	3768	3766	3773	3785	3800	3819	3839	3862	3886	3911	3936	3957
20	3254	3233	3215	3197	3177	3154	3134	3116	3104	3104	3110	3121	3136	3156	3178	3203	3229	3255	3273
25	2222	2179	2139	2100	2054	2001	1950	1904	1866	1848	1839	1838	1843	1854	1868	1888	1912	1941	1968
30	1075	1043	1014	985	953	920	887	856	829	809	793	780	769	759	750	743	740	740	744
35	513	499	485	471	455	438	420	404	388	377	367	358	351	343	335	327	321	316	312
40	182	177	172	169	164	158	152	145	137	128	118	108	98.3	89.0	80.6	73.5	68.1	64.8	67.0
45	34.8	35.0	35.8	37.0	37.7	37.7	37.4	36.7	35.4	32.3	28.9	25.3	21.9	19.4	18.0	17.0	16.5	16.4	16.6
50	8.85	9.00	9.32	9.72	10.1	10.4	10.6	10.7	10.6	9.79	8.82	7.78	6.75	5.99	5.53	5.21	5.02	4.97	5.06
55	2.63	2.68	2.78	2.90	2.98	3.02	3.03	3.01	2.95	2.78	2.59	2.37	2.16	1.96	1.80	1.66	1.56	1.50	1.56
60	0.56	0.61	0.68	0.75	0.81	0.84	0.86	0.86	0.84	0.76	0.67	0.58	0.48	0.40	0.34	0.30	0.27	0.26	0.29
65	0.13	0.13	0.12	0.12	0.14	0.16	0.19	0.22	0.24	0.23	0.22	0.20	0.19	0.18	0.19	0.20	0.21	0.22	0.22
70	0.11	0.11	0.11	0.10	0.11	0.12	0.14	0.15	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.21	0.21	0.21
75	0.10	0.10	0.10	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.21	0.22	0.24	0.25	0.24
80	0.10	0.10	0.10	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.20	0.23	0.25	0.28	0.30	0.29
85	0.10	0.10	0.10	0.10	0.11	0.12	0.13	0.14	0.15	0.15	0.16	0.16	0.17	0.20	0.25	0.30	0.34	0.37	0.35
90	0.09	0.10	0.10	1.37	1.45	1.48	1.52	1.56	1.38	1.41	1.44	1.48	1.52	1.34	1.60	0.30	1.65	1.66	1.64
95	20.5	17.6	14.2	10.7	8.28	6.97	6.02	5.36	4.93	4.52	4.24	4.07	4.00	3.99	4.01	4.07	4.14	4.20	4.17
100	90.8	87.9	84.1	79.2	72.0	62.8	53.4	44.5	36.8	34.2	33.1	33.0	33.8	34.5	34.9	35.4	35.9	36.3	35.7
105	194	190	184	179	175	174	171	166	159	142	123	103	86.1	76.8	75.6	77.1	80.2	83.7	80.2
110	320	314	307	299	294	290	286	283	279	274	268	262	257	251	246	242	239	236	237
115	448	442	435	428	423	420	418	415	412	405	398	392	387	386	389	394	398	401	395
120	570	560	550	540	534	534	534	534	534	528	521	515	509	508	512	516	520	522	517
125	683	677	671	665	659	655	650	646	641	635	630	625	622	623	627	633	638	641	637
130	783	779	774	770	767	765	764	762	760	754	748	743	739	738	741	745	749	751	745
135	880	877	872	868	863	858	854	849	845	841	837	834	832	832	834	837	839	840	834
140	956	950	943	937	934	934	934	934	934	930	925	920	916	915	917	920	922	924	920
145	1021	1021	1021	1021	1018	1013	1008	1002	997	993	990	988	987	989	993	998	1003	1006	1004
150	1080	1082	1083	1085	1083	1078	1073	1068	1063	1062	1062	1061	1061	1059	1056	1053	1050	1048	1049
155	1130	1132	1135	1136	1133	1127	1121	1114	1109	1109	1110	1111	1114	1115	1116	1117	1117	1116	1113
160	1166	1166	1167	1169	1170	1171	1172	1173	1173	1170	1167	1163	1160	1158	1158	1158	1158	1157	1152
165	1199	1197	1195	1194	1194	1195	1197	1199	1200	1201	1202	1202	1202	1201	1199	1198	1196	1193	1190
170	1230	1230	1229	1228	1226	1225	1223	1221	1220	1219	1218	1217	1216	1216	1217	1218	1218	1218	1216
175	1249	1249	1249	1250	1250	1251	1251	1251	1251	1251	1251	1251	1250	1250	1250	1250	1250	1250	1248
180	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	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	4490	4488	4485	4483	4482	4481	4480	4480	4479	4479	4478	4478	4477	4475	4473	4471	4470	4469	4468
5	4506	4514	4521	4528	4536	4543	4550	4557	4563	4569	4574	4578	4581	4583	4583	4584	4583	4583	4583
10	4426	4444	4460	4479	4499	4518	4537	4555	4570	4583	4595	4606	4617	4628	4637	4645	4652	4657	4660
15	3978	4000	4025	4056	4093	4131	4170	4207	4236	4264	4290	4316	4343	4372	4401	4427	4452	4470	4486
20	3291	3311	3334	3366	3408	3452	3499	3545	3583	3620	3657	3695	3736	3782	3827	3869	3909	3936	3959
25	2001	2041	2088	2153	2234	2320	2407	2493	2557	2617	2675	2732	2796	2867	2936	3002	3062	3103	3139
30	754	769	790	822	862	910	963	1022	1085	1152	1222	1295	1372	1452	1530	1605	1675	1726	1772
35	310	310	313	320	331	344	359	374	384	396	408	423	444	472	500	530	559	583	605
40	71.2	76.8	83.3	89.5	95.0	100	106	110	113	116	119	121	124	128	132	138	144	154	165
45	17.2	18.1	19.4	21.3	23.9	26.5	28.8	30.6	30.2	29.4	28.3	27.1	26.2	25.9	26.0	26.5	27.6	29.6	32.3
50	5.27	5.59	6.02	6.68	7.53	8.35	9.08	9.64	9.46	9.09	8.63	8.13	7.74	7.53	7.43	7.46	7.67	8.10	8.74
55	1.67	1.80	1.96	2.12	2.29	2.45	2.59	2.70	2.70	2.68	2.62	2.56	2.48	2.39	2.34	2.31	2.35	2.51	2.74
60	0.33	0.39	0.45	0.52	0.60	0.68	0.74	0.79	0.78	0.76	0.73	0.68	0.63	0.56	0.51	0.48	0.47	0.56	0.68
65	0.22	0.21	0.21	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.16	0.14	0.13	0.12	0.14	0.16
70	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.13	0.14
75	0.24	0.23	0.21	0.20	0.20	0.19	0.18	0.17	0.17	0.16	0.16	0.16	0.15	0.14	0.13	0.13	0.12	0.13	0.13
80	0.27	0.25	0.23	0.21	0.20	0.19	0.18	0.18	0.17	0.16	0.16	0.15	0.15	0.14	0.13	0.12	0.12	0.12	0.13
85	0.32	0.28	0.24	0.21	0.20	0.19	0.19	0.18	0.17	0.17	0.16	0.15	0.14	0.14	0.13	0.12	0.12	0.12	0.13
90	0.33	1.58	1.33	1.50	1.48	1.45	1.43	1.41	1.40	1.40	1.40	1.40	1.44	1.42	1.41	1.42	0.12	1.50	1.57
95	4.11	4.05	3.99	3.84	3.64	3.54	3.58	3.84	4.56	5.55	6.79	8.28	10.4	13.1	15.7	17.8	19.3	18.1	16.3
100	35.1	34.4	33.7	32.8	31.8	31.5	32.3	34.6	42.1	50.7	59.8	68.6	75.1	78.9	81.8	83.7	84.9	86.8	87.9
105	77.1	75.3	75.9	83.7	98.6	115	132	148	154	159	162	165	168	173	177	181	184	185	186
110	239	242	246	251	257	262	268	273	275	277	279	281	285	292	299	305	310	311	311
115	389	382	376	375	378	383	389	395	400	404	408	413	417	422	427	431	435	436	436
120	509	502	495	492	494	496	500	506	510	516	522	528	535	542	548	554	559	559	559
125	631	624	618	615	616	617	620	624	629	635	641	646	651	654	657	660	662	663	665
130	739	732	725	722	722	723	726	729	732	735	739	743	747	752	756	761	765	768	770
135	827	821	815	812	815	818	823	828	833	837	842	846	849	852	854	855	856	857	857
140	915	910	905	903	904	906	909	912	914	917	919	922	926	931	935	939	942	942	942
145	1000	996	992	988	986	985	984	985	988	991	995	999	1003	1006	1009	1012	1013	1013	1012
150	1051	1053	1055	1054	1051	1048	1046	1044	1049	1055	1062	1067	1070	1069	1068	1066	1065	1068	1072
155	1109	1105	1100	1096	1092	1088	1086	1086	1093	1101	1110	1118	1121	1120	1117	1115	1113	1117	1122
160	1147	1142	1138	1135	1135	1136	1137	1139	1142	1145	1148	1151	1153	1154	1155	1156	1157	1160	1164
165	1186	1183	1180	1178	1177	1177	1178	1180	1184	1188	1192	1196	1196	1193	1190	1187	1185	1188	1192
170	1214	1212	1210	1211	1212	1215	1217	1220	1222	1223	1224	1224	1223	1221	1218	1216	1214	1214	1215
175	1245	1242	1240	1238	1238	1238	1238	1239	1240	1240	1241	1241	1241	1241	1241	1240	1239	1239	1238
180	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:109.84V I:0.5148A P:56.067W PF:0.9915 Freq:49.99Hz Lamp Flux:6607.54x1 lm		
NAME: LLL400	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A4081356-01	SUR.:1.168*0.05	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	4468	4467	4466	4465	4463	4462	4461	4459	4458	4458	4459	4462	4467	4474	4482				
5	4582	4580	4576	4571	4566	4559	4552	4545	4538	4531	4524	4519	4515	4513	4511				
10	4663	4663	4663	4661	4658	4653	4646	4636	4624	4611	4598	4585	4574	4562	4550				
15	4499	4511	4523	4536	4546	4554	4558	4554	4547	4537	4524	4511	4498	4484	4468				
20	3979	3997	4018	4042	4063	4080	4092	4090	4082	4070	4055	4041	4027	4011	3995				
25	3170	3197	3228	3261	3290	3315	3334	3337	3334	3326	3314	3304	3294	3283	3271				
30	1813	1851	1893	1939	1981	2016	2041	2039	2027	2009	1986	1966	1949	1931	1913				
35	626	645	666	687	706	723	735	738	738	735	731	727	726	724	722				
40	177	189	201	214	226	238	248	255	261	266	270	274	278	281	284				
45	35.7	39.7	45.3	52.2	59.1	65.4	70.6	71.9	71.9	70.8	68.9	66.8	64.7	62.2	59.2				
50	9.59	10.7	12.4	14.5	16.7	18.6	20.1	19.9	19.2	18.2	17.0	16.1	15.5	14.9	14.4				
55	3.03	3.38	3.87	4.46	5.04	5.56	5.97	5.95	5.81	5.57	5.28	5.03	4.82	4.61	4.40				
60	0.82	0.98	1.14	1.30	1.45	1.58	1.68	1.72	1.73	1.71	1.66	1.60	1.51	1.40	1.27				
65	0.20	0.23	0.28	0.33	0.38	0.42	0.46	0.46	0.45	0.43	0.40	0.38	0.35	0.33	0.30				
70	0.15	0.16	0.18	0.19	0.20	0.22	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21				
75	0.14	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21				
80	0.14	0.15	0.16	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.22	0.22				
85	0.14	0.15	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.22				
90	1.65	1.75	1.78	1.87	1.96	2.05	2.18	0.20	0.22	0.23	0.25	0.27	0.28	0.30	0.31				
95	14.2	12.1	11.1	11.1	11.4	11.9	12.4	12.5	12.4	12.2	11.8	11.2	10.4	9.42	8.21				
100	87.7	86.2	81.2	72.9	64.0	55.2	47.5	45.0	44.1	44.4	45.5	46.7	47.9	49.5	51.5				
105	186	186	187	190	192	193	191	182	170	158	146	136	129	124	120				
110	310	308	308	309	310	311	312	309	306	304	303	304	308	314	322				
115	436	436	436	436	436	436	436	433	430	428	427	429	433	440	448				
120	558	556	555	555	555	555	554	552	550	548	548	550	554	560	569				
125	666	666	667	667	667	667	666	664	663	661	661	663	667	672	679				
130	772	774	774	773	772	771	769	767	766	765	765	767	770	774	780				
135	858	858	858	858	859	859	860	859	859	859	860	861	864	867	872				
140	941	939	938	938	938	939	939	940	941	942	943	945	948	951	955				
145	1011	1010	1009	1008	1008	1008	1009	1011	1012	1015	1017	1019	1022	1024	1027				
150	1075	1078	1079	1076	1073	1070	1068	1070	1072	1075	1079	1082	1085	1087	1090				
155	1126	1130	1129	1124	1119	1113	1109	1112	1117	1123	1129	1133	1136	1139	1140				
160	1167	1170	1171	1170	1169	1167	1165	1165	1165	1165	1166	1166	1167	1167	1167				
165	1197	1201	1204	1206	1207	1207	1207	1205	1203	1201	1199	1199	1200	1202	1205				
170	1217	1219	1221	1224	1227	1229	1231	1232	1231	1230	1229	1228	1226	1224	1222				
175	1237	1236	1236	1236	1236	1236	1237	1237	1238	1239	1239	1240	1240	1240	1241				
180	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks: