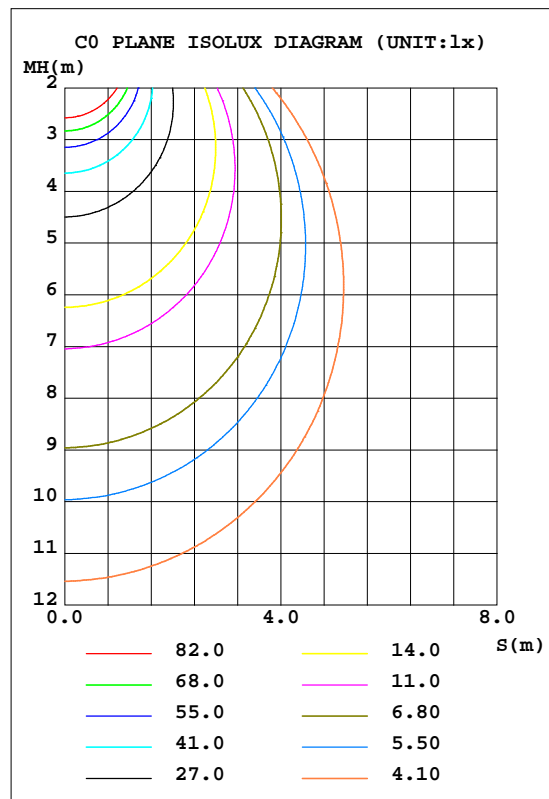
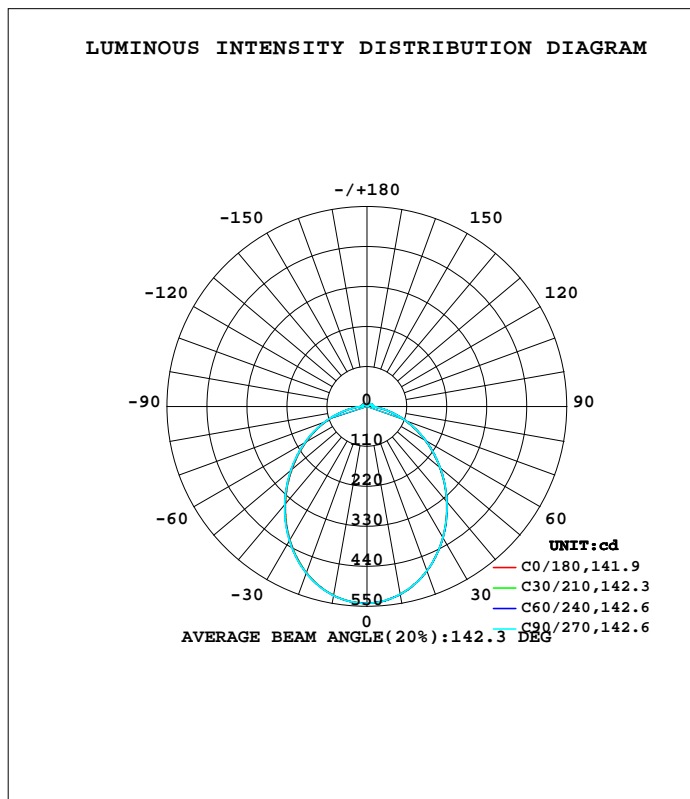


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.98V I:0.2151A P:24.580W PF:0.9525 Freq:59.98Hz Lamp Flux:1425.97x1 lm		
NAME: LCFF-15-MCT5	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	LCFF-15-MCT5	Imax(cd)	542.1	S/MH(C0/180)	1.17
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1426.0	h UP, DN(C0-180)	2.4,46.9
NOMINAL FLUX(lm)	1425.97	CIE CLASS	DIRECT	h UP, DN(C180-360)	2.3,48.4
LAMPS INSIDE	1	h up(%)	4.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	95.3	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	524.7	525.5	524.6	526.1	527.9	527.9	528.6	528.6	0- 10	50.96	50.96	3.57,3.57
20	481.9	482.8	481.2	483.2	486.7	487.2	488.3	488.4	10- 20	143.3	194.2	13.6,13.6
30	417.5	419.0	417.5	419.3	424.5	425.1	426.3	426.6	20- 30	209.6	403.8	28.3,28.3
40	341.2	343.9	342.1	344.2	349.8	351.0	352.8	352.1	30- 40	241.0	644.8	45.2,45.2
50	262.0	264.8	263.3	264.7	270.4	272.4	273.9	273.2	40- 50	237.3	882.1	61.9,61.9
60	184.0	187.6	185.9	187.6	192.7	194.5	196.4	195.2	50- 60	204.8	1087	76.2,76.2
70	110.5	114.6	112.3	114.4	119.4	120.5	122.9	121.1	60- 70	151.8	1239	86.9,86.9
80	47.34	50.11	49.12	49.85	53.82	55.39	56.43	55.78	70- 80	88.04	1327	93,93
90	13.94	15.24	15.10	15.27	14.16	14.14	14.49	14.20	80- 90	31.70	1359	95.3,95.3
100	13.98	15.30	15.15	15.31	13.94	13.83	13.98	13.85	90-100	15.75	1374	96.4,96.4
110	13.17	14.28	14.11	14.30	13.32	13.14	13.31	13.16	100-110	14.82	1389	97.4,97.4
120	11.96	12.60	12.42	12.61	12.35	11.59	11.76	11.61	110-120	12.67	1402	98.3,98.3
130	10.08	10.43	10.27	10.44	10.53	9.658	9.836	9.680	120-130	9.909	1412	99,99
140	7.738	8.060	8.022	8.059	8.125	7.680	7.715	7.702	130-140	6.941	1419	99.5,99.5
150	5.274	5.609	5.576	5.604	5.721	5.419	5.452	5.438	140-150	4.215	1423	99.8,99.8
160	3.339	3.588	3.567	3.584	3.604	3.545	3.562	3.558	150-160	2.098	1425	99.9,99.9
170	2.359	2.411	2.408	2.414	2.553	2.502	2.506	2.508	160-170	0.8457	1426	100,100
180	2.111	2.038	2.037	2.038	2.120	2.041	2.034	2.039	170-180	0.2136	1426	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.98V I:0.2151A P:24.580W PF:0.9525 Freq:59.98Hz Lamp Flux:1425.97x1 lm										
NAME: LCFE-15-MCT5					TYPE:			WEIGHT:		
SPEC.:25W					DIM.:			SERIAL No.:		
MFR.: LiBo					SUR.:			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	11.5	12.9	11.8	13.2	13.5	11.5	12.9	11.8	13.2	13.5
3H	12.9	14.2	13.2	14.5	14.8	12.9	14.2	13.2	14.5	14.8
4H	13.4	14.6	13.8	15.0	15.3	13.4	14.7	13.8	15.0	15.4
6H	13.8	15.0	14.2	15.3	15.7	13.8	15.0	14.2	15.4	15.7
8H	13.9	15.1	14.3	15.4	15.8	14.0	15.1	14.4	15.5	15.9
12H	14.0	15.1	14.4	15.5	15.9	14.1	15.2	14.5	15.6	16.0
4H 2H	12.0	13.3	12.4	13.6	14.0	12.0	13.3	12.4	13.6	14.0
3H	13.6	14.7	14.0	15.0	15.4	13.6	14.7	14.0	15.1	15.5
4H	14.3	15.2	14.7	15.6	16.1	14.3	15.3	14.7	15.7	16.1
6H	14.8	15.7	15.2	16.1	16.5	14.8	15.7	15.3	16.1	16.6
8H	15.0	15.8	15.4	16.2	16.7	15.0	15.9	15.5	16.3	16.8
12H	15.1	15.9	15.6	16.3	16.8	15.2	15.9	15.7	16.4	16.9
8H 4H	14.5	15.3	15.0	15.8	16.2	14.5	15.3	15.0	15.8	16.3
6H	15.2	15.8	15.7	16.3	16.9	15.2	15.9	15.7	16.4	16.9
8H	15.4	16.0	16.0	16.6	17.1	15.5	16.1	16.1	16.6	17.2
12H	15.7	16.2	16.2	16.7	17.3	15.8	16.3	16.3	16.8	17.4
12H 4H	14.5	15.2	15.0	15.7	16.2	14.5	15.3	15.0	15.7	16.3
6H	15.2	15.8	15.8	16.3	16.9	15.3	15.9	15.8	16.4	16.9
8H	15.6	16.1	16.1	16.6	17.2	15.6	16.1	16.2	16.7	17.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

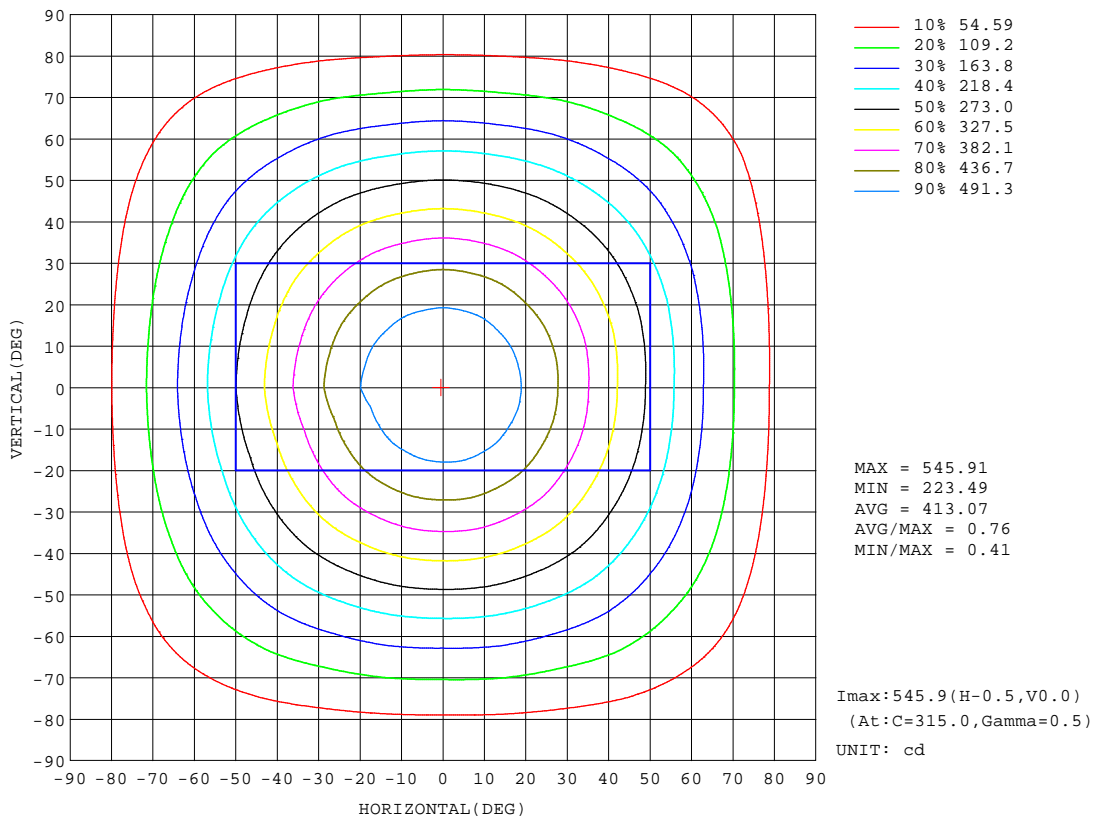
CIE Pub.117, 1426 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.2)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.98V I:0.2151A P:24.580W PF:0.9525 Freq:59.98Hz Lamp Flux:1425.97x1 lm		
NAME: LCFE-15-MCT5	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



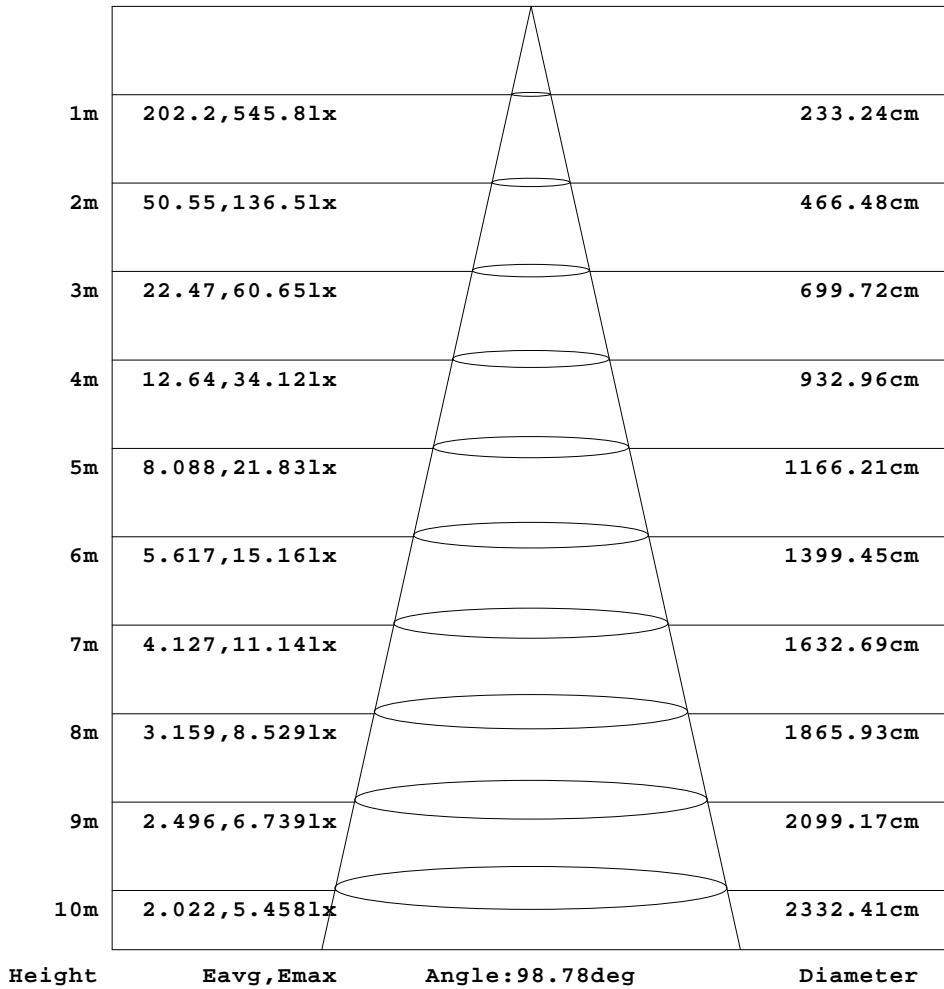
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.98V I:0.2151A P:24.580W PF:0.9525 Freq:59.98Hz Lamp Flux:1425.97x1 lm		
NAME: LCFE-15-MCT5	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Flux out:870.8 lm



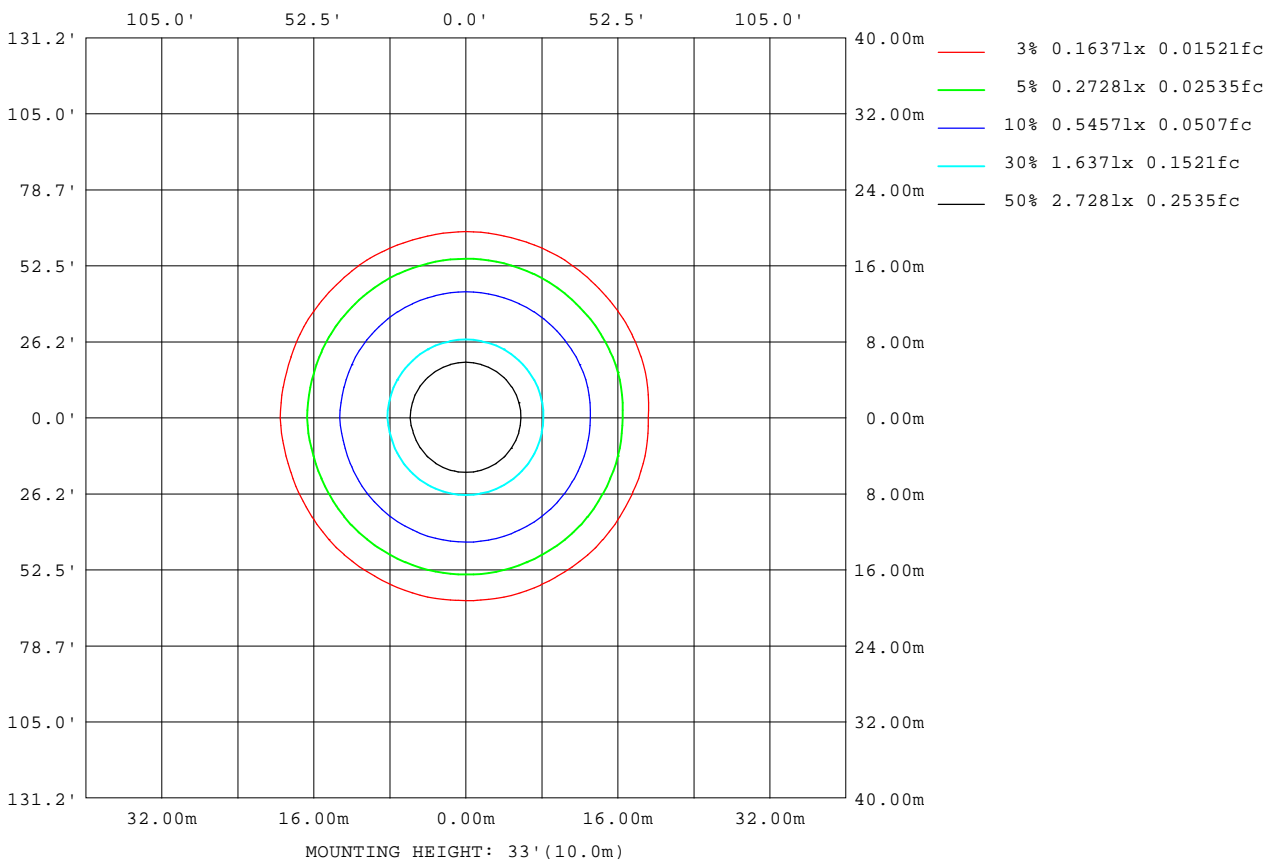
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.98V I:0.2151A P:24.580W PF:0.9525 Freq:59.98Hz Lamp Flux:1425.97x1 lm		
NAME: LCFE-15-MCT5	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.98V I:0.2151A P:24.580W PF:0.9525 Freq:59.98Hz Lamp Flux:1425.97x1 lm		
NAME: LCFF-15-MCT5	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

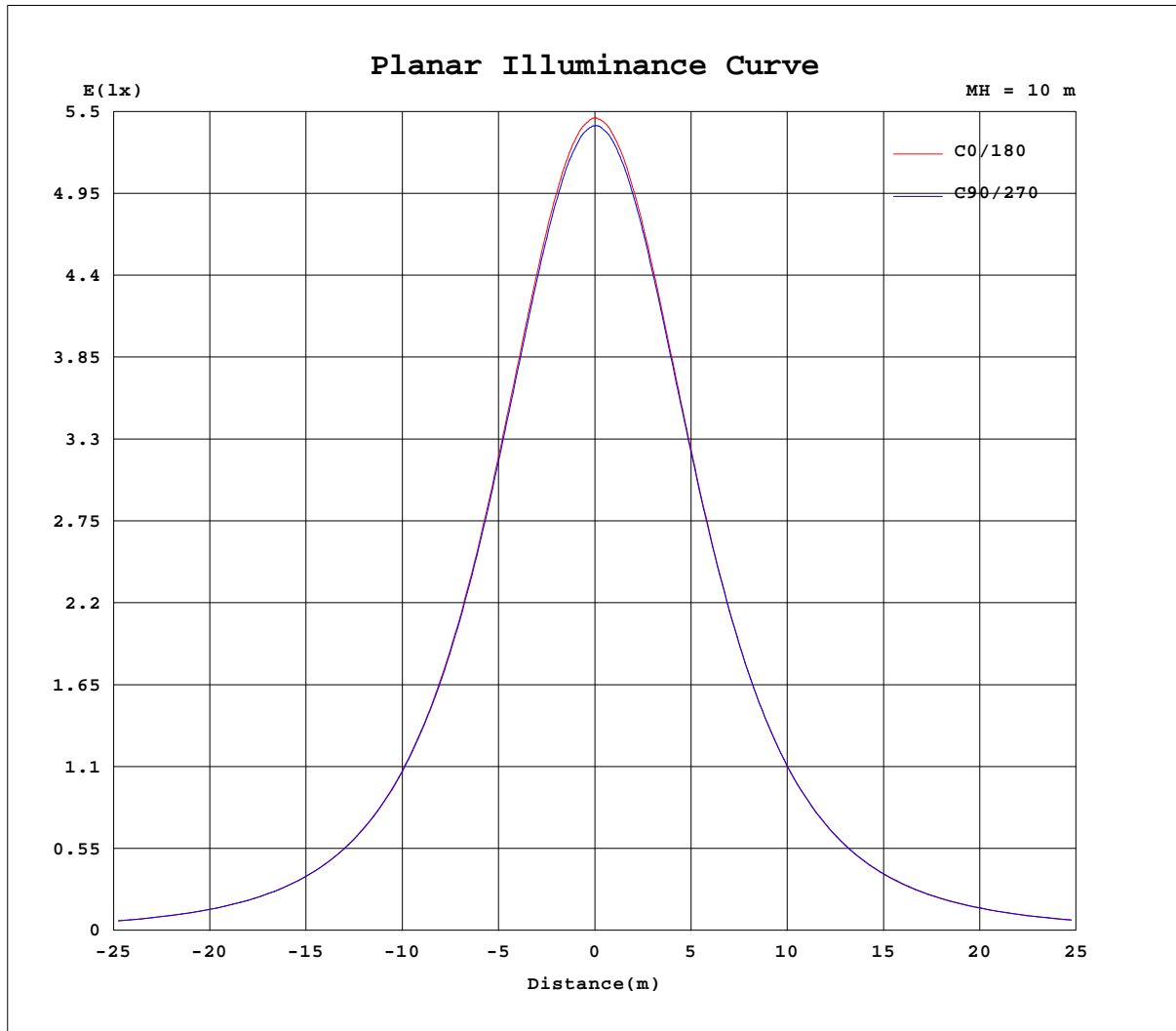
AvgL	cd/m2
L_0~180(65)av	715
L_0~180(75)av	625
L_0~180(85)av	594
L_90~270(65)av	728
L_90~270(75)av	643
L_90~270(85)av	626
L_45(65)av	728
L_45(75)av	644
L_45(85)av	625

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.2151A P:24.580W PF:0.9525 Freq:59.98Hz Lamp Flux:1425.97x1 lm		
NAME: LCFF-15-MCT5	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541
5	537	537	536	537	537	537	537	537	537	537	537	537	538	538	538	538	539	538	539
10	525	525	524	525	525	524	525	525	525	526	525	525	528	527	528	528	528	528	529
15	506	507	506	507	506	506	506	507	506	508	506	507	510	510	511	511	511	510	511
20	482	482	482	483	482	482	481	482	481	483	482	482	487	486	487	487	488	487	488
25	452	452	452	453	452	452	452	452	451	453	452	453	458	457	459	458	460	458	460
30	418	418	418	419	418	419	418	418	417	419	418	419	425	424	426	425	427	425	426
35	380	381	381	382	381	382	381	381	380	383	381	382	388	387	389	389	391	389	391
40	341	342	342	344	343	343	342	343	342	344	342	343	350	349	351	351	352	351	353
45	302	303	303	304	303	304	303	304	302	304	303	304	310	309	312	312	313	312	313
50	262	263	263	265	264	265	263	264	263	265	264	265	270	269	272	272	274	272	274
55	222	224	224	226	224	225	224	225	224	226	224	226	231	230	233	233	235	233	235
60	184	186	185	188	186	187	186	187	186	188	186	187	193	192	195	194	196	195	196
65	146	148	148	151	149	150	148	150	148	150	149	150	156	154	158	157	159	157	159
70	111	113	112	115	113	114	112	114	112	114	113	114	119	118	121	121	123	121	123
75	76.6	78.6	77.7	80.7	78.6	80.3	78.4	79.8	78.1	80.4	78.6	80.4	85.1	83.6	86.5	85.8	87.8	86.0	88.1
80	47.3	48.2	48.4	50.1	49.4	49.8	49.1	49.4	48.9	49.8	49.4	49.9	53.8	53.4	54.9	55.4	56.2	55.5	56.4
85	23.7	23.9	24.0	25.5	24.9	25.3	24.7	25.0	24.6	25.3	25.0	25.4	28.1	27.3	28.5	28.9	29.7	29.1	29.8
90	13.9	14.6	14.6	15.2	15.1	15.2	15.1	15.2	15.1	15.3	15.1	15.2	14.2	13.7	13.9	14.1	14.5	14.2	14.5
95	14.1	14.7	14.7	15.3	15.2	15.3	15.2	15.3	15.2	15.4	15.2	15.3	13.9	13.5	13.6	13.8	14.0	13.8	14.0
100	14.0	14.4	14.7	15.3	15.1	15.3	15.1	15.3	15.1	15.3	15.1	15.3	13.9	13.4	13.7	13.8	14.0	13.8	14.0
105	13.6	13.3	14.3	14.9	14.7	14.9	14.7	14.9	14.7	14.9	14.7	14.9	13.6	12.3	13.4	13.6	13.7	13.6	13.7
110	13.2	12.2	13.7	14.3	14.1	14.3	14.1	14.3	14.1	14.3	14.1	14.3	13.3	11.9	13.0	13.1	13.3	13.1	13.3
115	12.7	11.6	12.9	13.5	13.3	13.5	13.3	13.5	13.3	13.5	13.3	13.5	12.9	10.7	12.3	12.4	12.6	12.4	12.6
120	12.0	11.3	12.0	12.6	12.4	12.6	12.4	12.6	12.4	12.6	12.4	12.6	12.3	10.5	11.4	11.6	11.8	11.6	11.8
125	11.1	10.8	11.0	11.6	11.4	11.5	11.4	11.5	11.4	11.6	11.4	11.6	11.5	10.1	10.4	10.7	10.8	10.7	10.8
130	10.1	10.00	9.96	10.4	10.3	10.4	10.3	10.4	10.2	10.4	10.3	10.4	10.5	9.43	9.52	9.66	9.84	9.65	9.84
135	8.88	8.97	8.87	9.25	9.09	9.24	9.08	9.22	9.07	9.25	9.07	9.24	9.34	8.55	8.56	8.61	8.78	8.62	8.79
140	7.74	7.77	7.88	8.06	8.03	8.04	8.02	8.03	8.01	8.06	8.03	8.05	8.13	7.68	7.58	7.68	7.71	7.68	7.71
145	6.47	6.51	6.72	6.81	6.78	6.79	6.77	6.77	6.76	6.80	6.78	6.79	6.93	6.59	6.55	6.53	6.55	6.53	6.56
150	5.27	5.34	5.54	5.61	5.58	5.59	5.58	5.58	5.57	5.60	5.59	5.60	5.72	5.51	5.46	5.42	5.44	5.42	5.45
155	4.20	4.27	4.45	4.51	4.49	4.51	4.48	4.49	4.48	4.51	4.49	4.51	4.59	4.48	4.44	4.40	4.42	4.40	4.43
160	3.34	3.38	3.53	3.59	3.57	3.58	3.57	3.57	3.56	3.58	3.57	3.58	3.60	3.58	3.56	3.54	3.56	3.54	3.56
165	2.81	2.81	2.86	2.88	2.87	2.88	2.87	2.87	2.86	2.88	2.88	2.88	2.98	2.96	2.91	2.89	2.90	2.89	2.90
170	2.36	2.31	2.37	2.41	2.41	2.41	2.41	2.40	2.40	2.41	2.41	2.41	2.55	2.54	2.53	2.50	2.51	2.50	2.51
175	2.11	2.01	2.01	2.02	2.01	2.01	2.02	2.01	2.01	2.02	2.01	2.01	2.20	2.22	2.20	2.18	2.18	2.18	2.18
180	2.11	2.05	2.02	2.04	2.04	2.04	2.04	2.03	2.03	2.04	2.03	2.04	2.12	2.05	2.02	2.04	2.04	2.03	2.03

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-23

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.2151A P:24.580W PF:0.9525 Freq:59.98Hz Lamp Flux:1425.97x1 lm		
NAME: LCFF-15-MCT5	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Table--2 UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	541	541	541	541	541														
5	538	539	539	538	538														
10	528	529	529	528	528														
15	511	512	511	511	510														
20	488	489	488	487	487														
25	459	460	459	459	458														
30	426	427	427	426	426														
35	390	391	390	390	389														
40	352	353	352	352	351														
45	313	314	313	313	312														
50	274	274	273	273	272														
55	234	235	234	234	233														
60	196	197	195	196	195														
65	158	159	157	159	157														
70	121	123	121	122	121														
75	86.7	88.4	86.3	87.8	86.0														
80	56.1	56.6	55.8	56.1	55.5														
85	29.5	29.9	29.2	29.5	29.1														
90	14.3	14.5	14.2	14.4	14.2														
95	13.8	14.0	13.9	14.0	13.8														
100	13.8	14.0	13.8	14.0	13.8														
105	13.6	13.7	13.6	13.7	13.6														
110	13.2	13.3	13.2	13.3	13.1														
115	12.4	12.6	12.4	12.6	12.4														
120	11.6	11.8	11.6	11.7	11.6														
125	10.7	10.9	10.7	10.8	10.7														
130	9.68	9.84	9.68	9.82	9.65														
135	8.63	8.79	8.64	8.77	8.61														
140	7.71	7.73	7.70	7.70	7.68														
145	6.55	6.56	6.54	6.54	6.53														
150	5.44	5.45	5.44	5.43	5.42														
155	4.42	4.43	4.42	4.41	4.40														
160	3.56	3.56	3.56	3.55	3.54														
165	2.90	2.90	2.90	2.89	2.89														
170	2.51	2.51	2.51	2.50	2.50														
175	2.18	2.18	2.19	2.18	2.17														
180	2.03	2.04	2.04	2.03	2.03														

C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 0.5DEG
Test Speed: MEDIUM	Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:3.010m [K=1.0000]
Test Date:2020-12-23	Remarks: