

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2091.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	67.9V x 66.2H
	At 50% of Imax	33.6V x 32.7H
	At 90% of Imax	11.6V x 12.3H

Beam Flux	Total	999.1 lumens per klm.
	To 10% of Imax	769.7 lumens per klm.
	To 50% of Imax	379.0 lumens per klm.
	To 90% of Imax	51.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

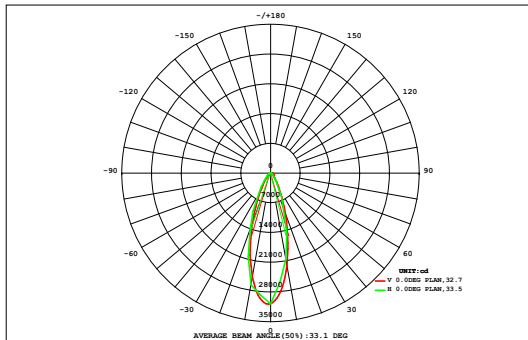
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-03

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.4842A P:105.3W PF:0.9854 Lamp Flux:14750.3x1 lm		
NAME: FL-5050-100	TYPE:LED	WEIGHT:20KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:140.14lm/W	
MODEL	FL-5050-100-30	Imax(cd)	30855
NOMINAL POWER(W)	105	AVAILABILITY(%)	77.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	11367
NOMINAL FLUX(lm)	14750.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	14750
TEST VOLTAGE(V)	220	θ @50% (H,V)	33,34DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.06	0.41	1.24	2.37	3.58	4.64	5.48	5.94	6.07	6.05	5.91	5.48	4.64	3.60	2.42	1.29	0.46	0.07	59.7	0.00
70	0.08	0.75	2.14	3.86	5.70	7.54	9.16	10.3	10.8	10.7	10.2	9.14	7.58	5.76	3.90	2.18	0.79	0.10	101	0.00
60	0.13	1.13	2.96	5.29	8.03	11.1	13.9	16.0	17.2	17.2	16.0	13.9	11.1	8.11	5.38	3.03	1.18	0.16	152	0.00
50	0.18	1.42	3.64	6.64	10.6	15.2	20.5	25.6	29.1	29.1	25.8	20.7	15.4	10.7	6.81	3.79	1.52	0.22	227	0.00
40	0.23	1.66	4.22	8.02	13.5	21.4	33.4	48.7	61.7	62.4	49.9	34.3	22.0	13.8	8.31	4.47	1.81	0.28	390	7.63
30	0.26	1.84	4.72	9.37	17.0	31.6	61.4	111	161	163	115	64.2	33.0	17.7	9.87	5.11	2.08	0.33	809	509
20	0.28	1.98	5.14	10.6	21.0	46.5	114	249	396	402	259	119	48.8	22.2	11.3	5.65	2.27	0.37	1714	1511
10	0.29	2.05	5.39	11.4	24.3	61.5	176	431	721	729	441	182	64.2	25.7	12.3	6.01	2.39	0.38	2897	2720
0	0.28	2.08	5.48	11.7	25.5	67.6	203	508	850	846	502	201	68.1	26.5	12.6	6.09	2.42	0.37	3339	3168
-10	0.25	2.03	5.35	11.2	23.6	58.3	160	375	607	599	367	155	58.0	24.4	12.0	5.91	2.35	0.33	2466	2281
-20	0.22	1.91	5.10	10.4	20.1	42.3	94.9	188	273	265	173	87.2	40.5	20.1	10.8	5.49	2.17	0.28	1240	1014
-30	0.21	1.74	4.74	9.20	16.3	28.3	48.8	75.9	97.2	94.2	71.1	46.1	27.5	16.3	9.48	5.01	1.94	0.25	554	157
-40	0.21	1.57	4.35	8.12	13.3	20.4	29.2	37.7	42.3	41.3	35.7	27.7	19.7	13.2	8.21	4.49	1.66	0.23	309	0.00
-50	0.21	1.36	3.82	6.94	10.8	15.3	19.8	23.5	25.4	25.1	23.0	19.4	15.1	10.8	7.01	3.93	1.41	0.22	213	0.00
-60	0.20	1.13	3.08	5.58	8.32	11.2	13.9	15.8	16.7	16.6	15.6	13.8	11.2	8.32	5.64	3.14	1.14	0.20	152	0.00
-70	0.16	0.83	2.16	3.93	5.65	7.33	8.76	9.71	10.1	10.1	9.73	8.79	7.37	5.70	3.98	2.19	0.84	0.16	97.5	0.00
-80	0.07	0.33	0.79	1.34	1.89	2.35	2.65	2.85	2.89	2.90	2.85	2.62	2.29	1.78	1.22	0.67	0.26	0.06	29.8	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	3.33	24.2	64.3	126	229	453	1015	2135	3326	3319	2123	1010	457	235	131	68.5	26.7	4.01	14750	---
Φ a	0.00	0.00	0.00	0.00	0.00	68.0	703	1853	3066	3063	1836	711	66.7	0.00	0.00	0.00	0.00	0.00	---	11367

one-half-peak spread: U:19.1,D:14.7 , L:16.6,R:16.3

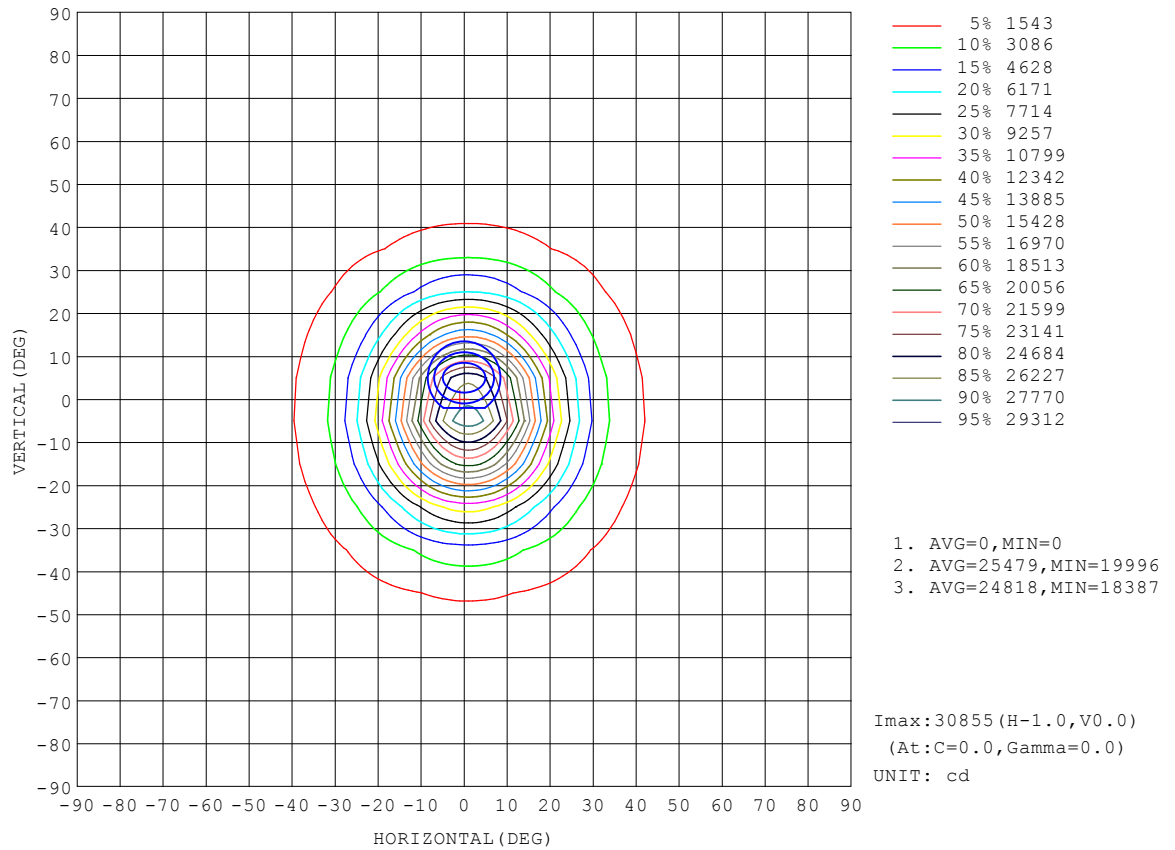
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-03

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.6V I:0.4842A P:105.3W PF:0.9854 Lamp Flux:14750.3x1 lm		
NAME: FL-5050-100	TYPE:LED	WEIGHT:20KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

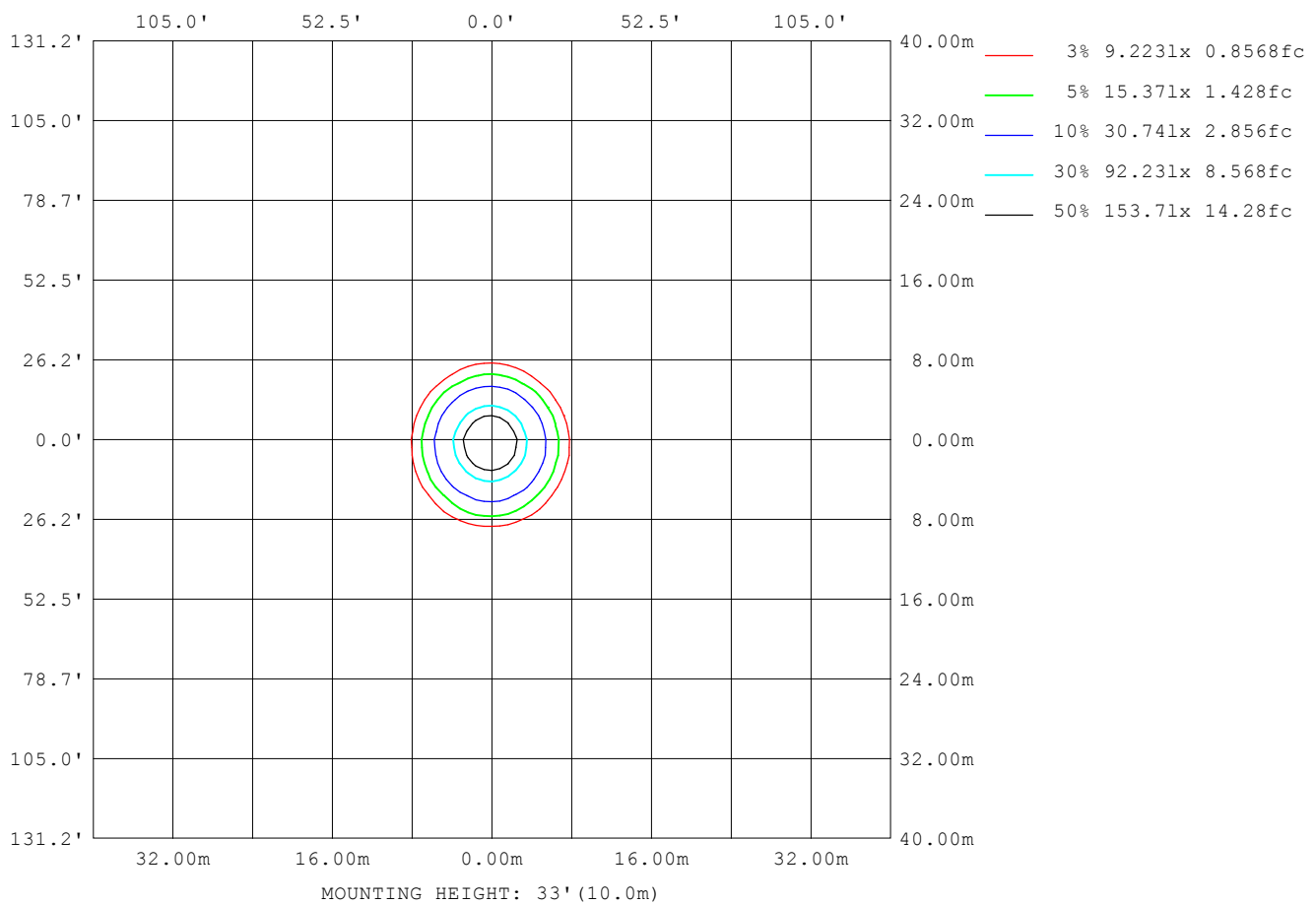


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-03

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

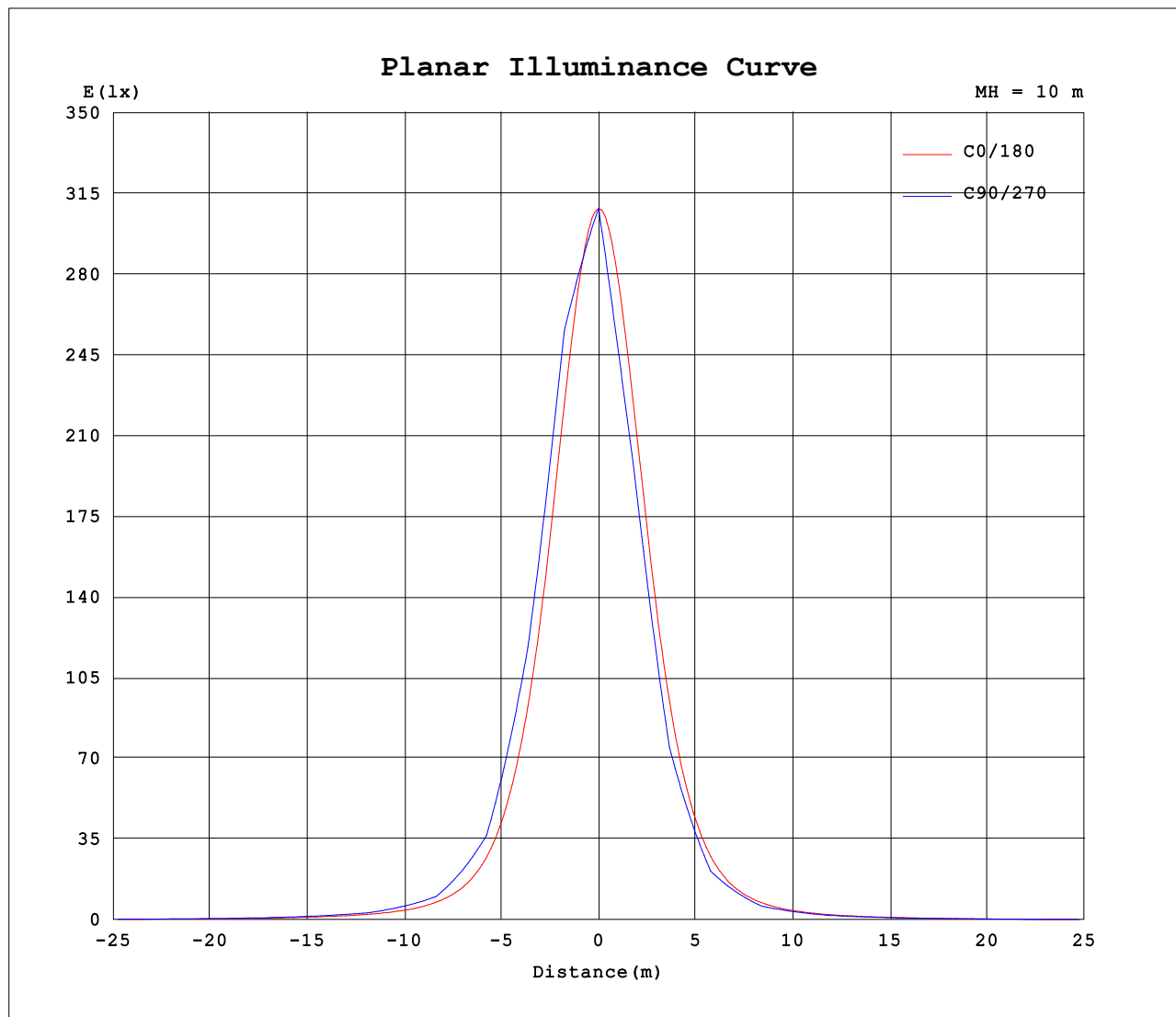
Test:U:220.6V I:0.4842A P:105.3W PF:0.9854 Lamp Flux:14750.3x1 lm		
NAME: FL-5050-100	TYPE:LED	WEIGHT:20KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-03

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

Planar Illuminance Curve

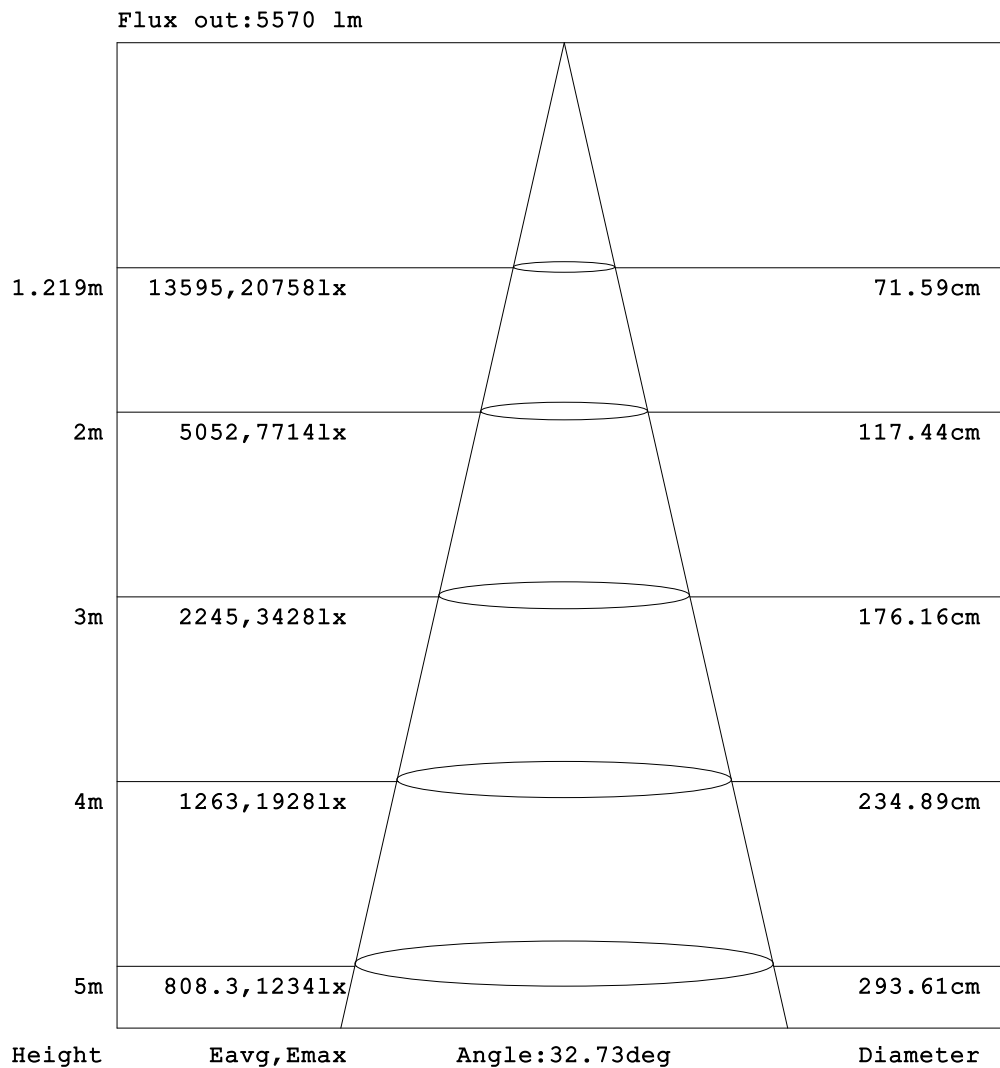


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-03

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.6V I:0.4842A P:105.3W PF:0.9854 Lamp Flux:14750.3x1 lm		
NAME: FL-5050-100	TYPE:LED	WEIGHT:20KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-03

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.4842A P:105.3W PF:0.9854 Lamp Flux:14750.3x1 lm		
NAME: FL-5050-100	TYPE:LED	WEIGHT:20KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	4.00	5.07	6.65	8.59	11.0	13.4	15.6	17.5	19.0	20.3	21.5	22.3	22.9	23.4	23.9	24.1	24.1	24.0	24.1
-75	4.01	4.99	6.93	9.36	12.5	15.8	19.0	21.7	23.9	25.7	27.5	29.2	30.6	31.8	32.8	33.5	33.9	34.1	34.2
-70	4.58	6.36	8.97	12.5	16.7	20.8	24.8	27.8	30.3	32.7	35.0	37.2	39.3	41.0	42.3	43.3	43.9	44.2	44.3
-65	4.25	5.75	8.57	12.4	17.4	22.4	27.1	30.8	34.2	37.5	41.0	44.3	47.4	50.3	52.8	54.8	56.2	57.1	57.5
-60	4.78	7.26	10.9	16.2	22.1	28.0	32.6	36.6	40.8	45.2	49.7	53.8	57.9	61.6	64.9	67.5	69.3	70.4	70.6
-55	4.06	5.97	9.61	15.0	21.7	28.2	33.5	38.3	43.4	48.8	54.5	60.4	66.4	72.5	78.5	83.8	88.2	91.1	92.3
-50	4.29	7.29	12.1	19.0	26.5	32.9	38.2	43.8	50.2	56.8	63.9	71.6	79.8	88.3	96.5	104	110	113	114
-45	3.36	5.58	10.1	17.2	25.3	32.2	38.1	44.5	51.7	59.7	68.7	79.5	92.2	107	123	139	154	164	169
-40	3.43	6.99	13.3	21.9	30.0	36.3	42.9	50.6	59.3	69.4	81.7	97.1	116	138	162	186	208	220	223
-35	2.47	4.93	10.7	19.4	28.1	34.9	41.9	50.1	59.7	71.5	86.7	107	136	173	220	273	329	374	393
-30	2.57	6.58	14.6	24.3	31.9	38.9	47.1	56.9	68.8	84.7	106	138	183	244	320	406	491	549	563
-25	1.82	4.46	11.8	21.7	30.0	37.1	45.4	55.6	68.0	85.3	111	150	211	304	434	599	777	923	993
-20	2.14	6.91	16.8	26.5	33.6	41.6	51.4	63.5	79.4	104	142	204	305	461	673	936	1195	1376	1422
-15	1.51	4.23	13.5	23.5	31.2	38.9	48.2	60.2	75.1	98.3	135	198	306	485	755	1113	1522	1874	2047
-10	1.93	7.76	18.7	27.1	34.6	43.0	54.0	67.3	86.7	118	171	264	431	704	1098	1615	2161	2561	2670
-5	1.38	4.41	15.1	24.0	31.6	39.7	49.5	62.3	78.7	105	149	227	367	611	988	1503	2092	2613	2874
0	1.84	9.38	19.1	27.3	35.0	43.5	54.9	68.4	88.8	122	179	282	470	786	1252	1865	2484	2951	3074
5	1.27	5.04	15.4	23.7	31.3	39.2	48.9	61.3	77.2	102	144	216	343	563	902	1364	1887	2347	2577
10	1.67	9.67	18.4	26.5	33.8	42.0	52.4	65.1	82.7	110	156	233	367	582	891	1287	1697	1996	2077
15	1.05	5.35	14.8	22.8	30.1	37.5	46.3	57.3	70.8	90.7	122	171	253	386	582	839	1128	1372	1490
20	1.77	9.24	17.6	25.3	32.1	39.6	48.5	59.3	72.8	92.2	121	165	233	332	464	622	775	878	901
25	0.87	4.91	13.7	21.2	28.2	34.8	42.3	51.3	61.9	75.6	94.8	122	163	221	299	395	496	577	614
30	1.74	8.01	15.9	23.0	29.4	35.7	42.9	51.3	60.9	72.6	87.9	108	135	168	207	249	289	317	324
35	0.88	4.21	12.1	19.0	25.5	31.2	37.3	44.2	52.0	60.8	71.4	84.7	101	122	146	173	199	219	228
40	1.62	6.84	14.1	20.4	26.3	31.5	37.0	43.2	49.9	57.0	64.8	73.8	84.1	95.2	106	117	126	132	133
45	0.96	3.46	10.0	16.3	22.0	27.1	31.8	36.9	42.4	48.1	54.1	60.6	67.7	75.2	82.7	89.8	96.0	100	102
50	1.51	5.00	11.3	16.9	22.0	26.5	30.6	34.9	39.4	44.1	48.5	53.0	57.3	61.3	64.7	67.5	69.6	71.1	71.4
55	1.08	2.69	7.43	12.9	17.6	22.0	25.8	29.5	33.0	36.8	40.4	44.1	47.4	50.4	53.0	55.1	56.6	57.7	58.2
60	1.41	3.48	8.02	12.9	17.0	20.7	24.0	26.8	29.6	32.4	35.2	37.9	40.0	41.8	43.1	44.1	44.7	44.9	45.0
65	1.19	2.02	4.64	8.60	12.4	15.9	18.9	21.5	23.9	26.1	28.2	30.2	31.9	33.3	34.4	35.2	35.6	35.9	35.9
70	1.34	2.12	4.19	7.44	10.8	13.7	16.0	18.1	20.0	21.5	22.7	23.9	25.0	25.9	26.4	26.7	26.8	26.8	26.8
75	1.30	1.50	2.55	4.50	6.68	8.95	10.8	12.5	14.1	15.4	16.4	17.3	18.1	18.7	19.0	19.2	19.2	19.1	19.0
80	1.31	1.52	2.20	3.19	4.48	5.74	7.02	8.31	9.34	10.2	10.9	11.3	11.7	11.8	11.8	11.7	11.6	11.3	11.3
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-03

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.4842A P:105.3W PF:0.9854 Lamp Flux:14750.3x1 lm		
NAME: FL-5050-100	TYPE:LED	WEIGHT:20KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	24.2	24.3	24.2	24.0	23.5	23.0	22.4	21.4	20.0	18.6	17.0	15.0	12.8	10.2	7.89	6.13	4.73	4.02	
-75	34.2	34.1	33.9	33.3	32.5	31.4	30.2	28.7	26.9	25.0	23.1	20.7	17.5	14.4	10.9	8.07	5.91	4.49	
-70	44.2	43.8	43.2	42.1	40.7	38.9	36.8	34.6	32.3	30.0	27.4	23.9	19.8	15.8	11.5	8.13	5.70	4.53	
-65	57.3	56.5	55.3	53.6	51.4	48.8	45.9	42.8	39.4	36.1	32.9	29.4	25.1	20.2	14.9	10.4	6.99	4.90	
-60	69.9	68.4	66.3	63.4	60.1	56.4	52.5	48.3	43.8	39.6	35.7	31.6	26.5	20.4	14.4	9.62	6.20	4.69	
-55	91.7	89.3	85.4	80.4	74.7	68.8	62.9	57.2	51.5	46.2	41.0	36.3	31.4	25.4	18.6	12.3	7.62	4.85	
-50	112	107	101	92.9	84.7	76.5	68.8	61.5	54.9	48.4	42.5	37.1	31.8	25.1	17.2	10.7	6.30	4.30	
-45	167	158	144	128	112	97.4	84.3	73.1	63.8	55.6	48.3	41.8	35.9	29.8	22.1	13.9	7.93	4.51	
-40	216	198	175	151	128	107	90.4	76.9	66.0	56.8	48.7	41.6	35.4	28.8	20.1	11.7	6.16	3.83	
-35	384	349	296	241	191	150	119	95.5	78.6	65.9	55.8	47.2	39.9	33.3	25.7	16.2	8.38	4.27	
-30	530	459	371	289	220	166	127	99.4	80.2	66.5	55.6	46.6	39.0	32.2	23.7	13.6	6.41	3.57	
-25	961	838	666	493	350	244	173	127	96.7	77.1	63.5	52.5	43.6	36.1	28.8	18.8	9.14	4.25	
-20	1312	1085	816	574	386	258	177	127	95.8	75.7	62.3	50.9	42.1	34.4	26.6	15.9	6.63	3.61	
-15	1968	1676	1282	892	583	370	238	161	115	87.4	70.0	57.0	46.7	38.4	30.8	21.3	10.5	4.37	
-10	2434	1973	1419	938	587	360	228	153	109	83.2	67.2	54.2	44.4	36.1	28.3	18.4	6.99	3.70	
-5	2752	2316	1733	1170	741	450	277	180	125	92.8	73.0	59.2	48.1	39.4	31.5	22.6	12.1	4.48	
0	2783	2217	1570	1024	630	378	234	156	111	84.1	67.6	54.4	44.6	36.1	28.3	19.2	7.57	3.84	
5	2471	2081	1556	1057	677	417	260	172	121	90.4	71.6	58.1	47.4	38.8	31.2	22.4	13.0	4.47	
10	1902	1539	1121	757	487	309	202	140	103	79.5	64.5	52.4	43.1	35.1	27.6	18.8	8.57	3.80	
15	1436	1230	948	674	454	300	202	142	105	81.3	66.0	54.2	44.6	36.8	29.7	21.2	12.6	4.32	
20	837	705	546	399	282	200	145	109	85.5	69.4	57.5	47.7	39.6	32.6	25.4	17.3	7.84	3.44	
25	594	526	429	330	246	182	137	105	84.0	68.8	57.6	48.2	40.4	33.6	27.1	19.3	11.3	3.97	
30	308	274	231	190	155	124	100	82.5	69.0	58.6	49.8	42.1	35.5	29.5	22.7	15.5	6.75	2.93	
35	224	207	182	156	131	109	91.2	76.9	65.5	56.4	48.5	41.5	35.3	29.7	23.7	16.8	9.39	3.31	
40	129	122	112	101	89.7	79.2	69.8	61.6	54.4	47.8	41.4	35.7	30.6	25.4	19.0	12.8	5.22	2.44	
45	101	97.4	91.8	84.9	77.5	70.2	63.2	56.7	50.7	45.0	39.7	34.6	30.0	25.2	19.6	13.9	6.99	2.57	
50	70.3	68.5	66.1	63.0	59.4	55.4	51.2	46.9	42.5	37.9	33.7	29.6	25.7	20.7	15.5	9.88	3.87	1.85	
55	57.9	56.8	55.4	53.5	51.1	48.4	45.3	41.8	38.3	34.6	31.2	27.8	24.1	19.9	15.3	10.5	4.82	1.99	
60	44.7	44.2	43.4	42.2	40.8	39.0	36.6	33.9	31.2	28.6	25.9	23.0	19.3	15.4	11.3	6.41	2.75	1.56	
65	35.8	35.5	35.1	34.5	33.5	32.3	30.8	28.9	26.9	24.9	22.6	20.1	17.3	14.0	10.5	6.50	3.15	1.59	
70	26.7	26.6	26.4	26.1	25.4	24.5	23.4	22.3	21.0	19.4	17.3	15.1	12.7	9.64	6.52	3.57	1.94	1.40	
75	19.0	19.1	19.1	19.0	18.7	18.2	17.5	16.7	15.8	14.7	13.2	11.5	9.72	7.76	5.55	3.38	2.01	1.37	
80	11.4	11.5	11.6	11.7	11.7	11.4	11.0	10.4	9.82	8.91	7.89	6.58	5.25	3.97	2.81	1.96	1.40	1.36	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-03

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks: