

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

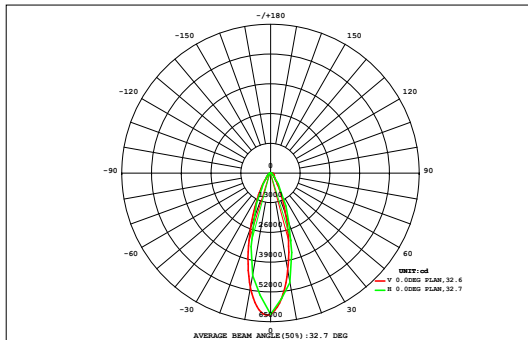
Maximum Intensity		2152.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	67.9V x 65.8H
	At 50% of Imax	32.7V x 32.6H
	At 90% of Imax	8.9V x 12.2H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	769.2 lumens per klm.
	To 50% of Imax	375.8 lumens per klm.
	To 90% of Imax	42.2 lumens per klm.
Upward LOR		0.0 %
Downward LOR		100.0 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-09

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:220.5V I:0.9461A P:203.4W PF:0.9750 Lamp Flux:28822.4x1 lm		
NAME: FL-5050-200	TYPE:LED	WEIGHT:24KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:141.68lm/W	
MODEL	FL-5050-200-30	Imax(cd)	62036
NOMINAL POWER(W)	200	AVAILABILITY(%)	77.4
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	22299
NOMINAL FLUX(lm)	28822.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	28822
TEST VOLTAGE(V)	220	θ @50% (H,V)	33,33DEG

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	0.13	1.06	3.00	5.56	8.31	10.9	12.9	14.1	14.5	14.5	14.1	13.0	11.0	8.38	5.63	3.02	1.09	0.15	141	0.00
70	0.20	1.66	4.44	8.09	12.0	15.9	19.5	22.0	23.3	23.3	22.2	19.7	16.2	12.2	8.23	4.56	1.71	0.23	215	0.00
60	0.30	2.27	5.96	10.7	16.4	22.7	28.8	33.9	37.0	37.2	34.3	29.3	23.1	16.7	11.0	6.14	2.38	0.34	319	0.00
50	0.38	2.76	7.23	13.2	21.3	31.4	43.7	56.9	66.8	67.5	58.6	45.1	32.3	21.9	13.7	7.60	3.00	0.45	494	0.00
40	0.46	3.21	8.30	15.9	27.2	45.1	74.8	117	156	160	124	79.5	47.5	28.3	16.7	8.88	3.54	0.56	917	193
30	0.51	3.53	9.20	18.4	34.4	67.9	142	277	418	428	296	155	72.8	36.5	19.6	10.1	4.03	0.65	1994	1487
	0.55	3.78	9.93	20.7	42.5	99.7	258	593	963	987	629	280	106	45.0	22.2	11.0	4.35	0.70	4075	3696
	0.56	3.89	10.3	22.0	48.2	127	373	929	1567	1589	961	390	132	50.7	23.8	11.6	4.55	0.73	6244	5901
	0.55	3.92	10.4	22.2	49.1	132	392	964	1600	1587	943	378	129	50.0	23.6	11.5	4.53	0.69	6301	5954
	0.51	3.80	10.1	21.0	44.0	106	277	623	978	953	586	260	101	44.2	22.2	11.0	4.36	0.64	4046	3659
	0.48	3.62	9.56	19.2	36.5	73.4	154	284	389	368	248	134	67.8	35.8	19.7	10.2	4.00	0.56	1858	1355
-30	0.46	3.36	8.89	17.0	29.4	49.3	79.5	115	139	134	104	72.8	46.9	29.1	17.4	9.31	3.59	0.50	860	52.5
-40	0.46	3.09	8.16	15.0	24.2	35.9	49.5	62.0	67.8	66.0	58.3	46.8	34.6	23.8	15.1	8.34	3.12	0.46	523	0.00
-50	0.43	2.69	7.06	12.7	19.5	27.1	34.5	40.2	43.0	42.7	39.5	33.9	26.8	19.4	12.8	7.16	2.68	0.43	373	0.00
-60	0.38	2.17	5.54	9.91	14.6	19.5	23.8	26.8	28.3	28.2	26.7	23.6	19.4	14.6	9.93	5.47	2.11	0.37	261	0.00
-70	0.30	1.50	3.67	6.49	9.45	12.1	14.3	15.7	16.3	16.3	15.7	14.3	12.0	9.41	6.41	3.60	1.46	0.29	159	0.00
-80	0.13	0.55	1.23	2.02	2.79	3.52	3.97	4.12	4.11	4.16	4.13	3.88	3.26	2.50	1.71	0.95	0.39	0.10	43.5	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	6.79	46.9	123	240	440	879	1981	4177	6512	6505	4164	1978	883	449	250	130	50.9	7.84	28822	---
Φ a	0.00	0.00	0.00	0.00	0.00	154	1350	3633	6011	6019	3621	1369	143	0.00	0.00	0.00	0.00	0.00	---	22299

one-half-peak spread: U:16.0,D:17.0 , L:16.0,R:16.9

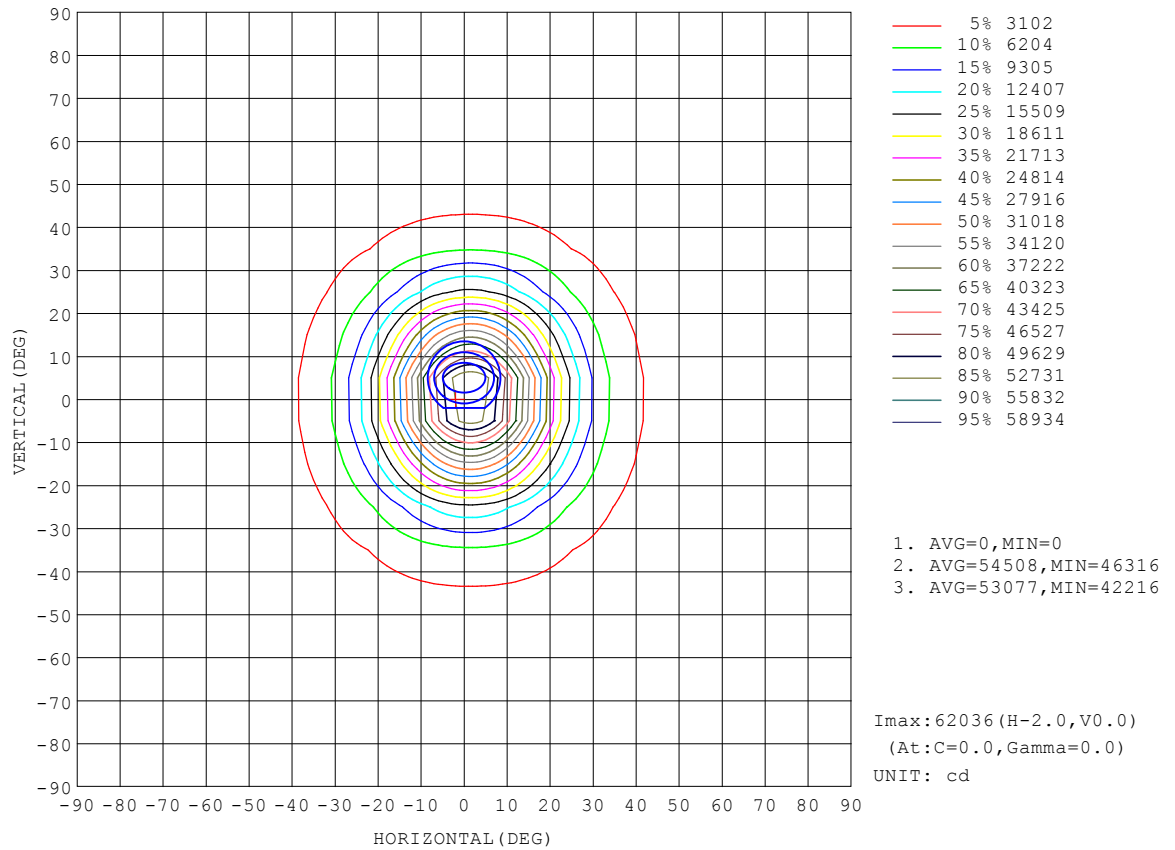
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-09

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:220.5V I:0.9461A P:203.4W PF:0.9750 Lamp Flux:28822.4x1 lm		
NAME: FL-5050-200	TYPE:LED	WEIGHT:24KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

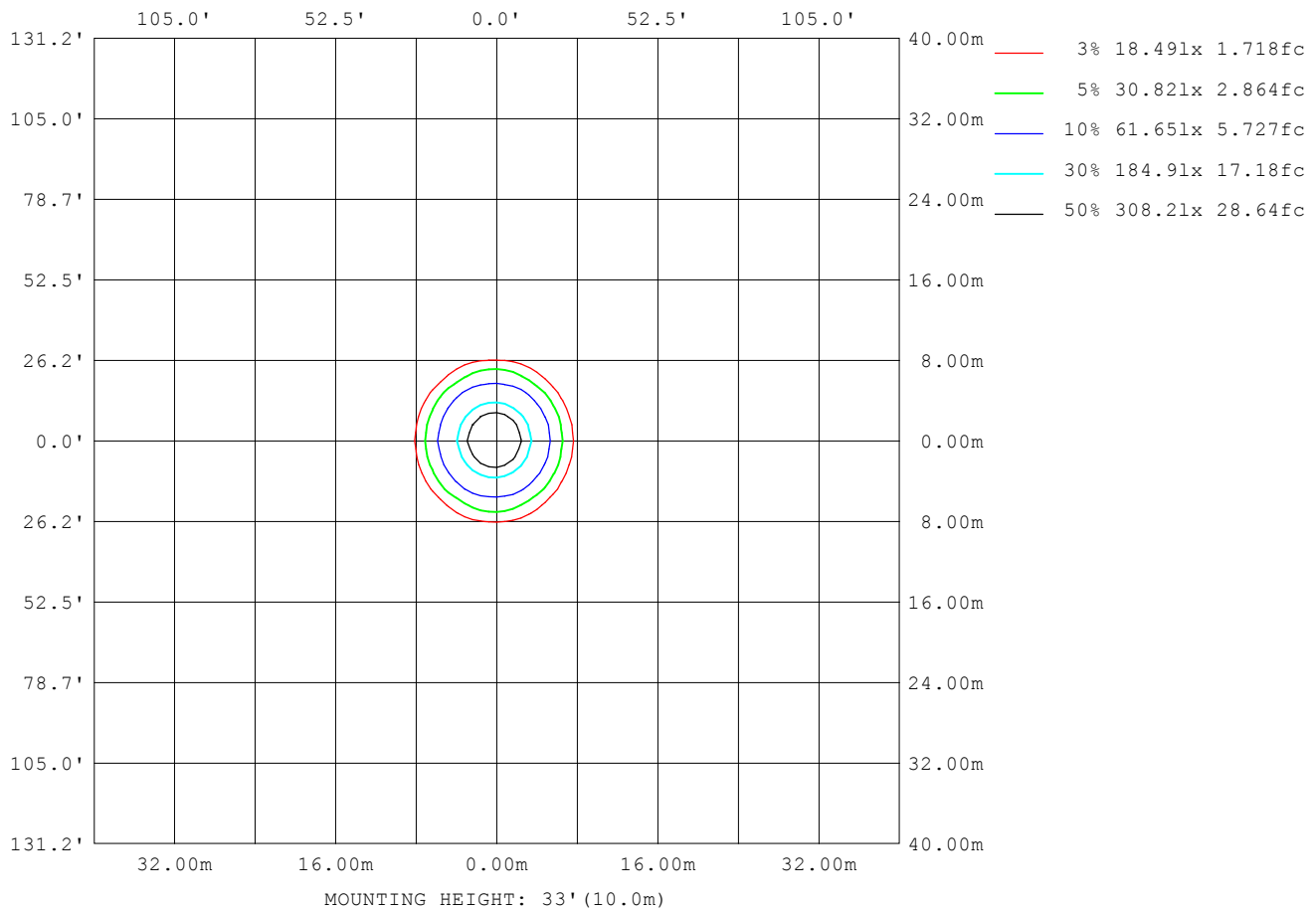


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Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-09

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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

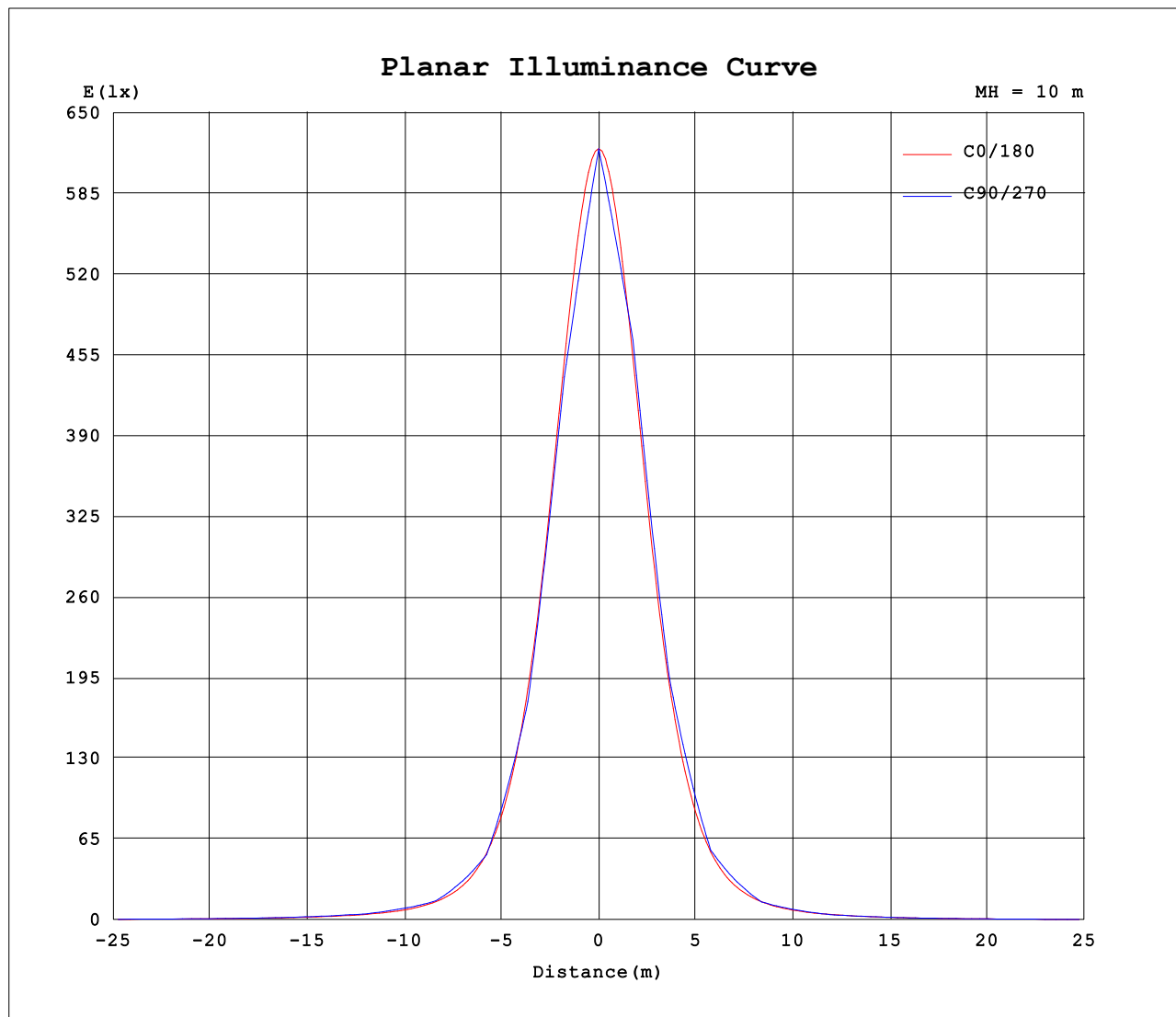
Test:U:220.5V I:0.9461A P:203.4W PF:0.9750 Lamp Flux:28822.4x1 lm		
NAME: FL-5050-200	TYPE:LED	WEIGHT:24KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-09

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

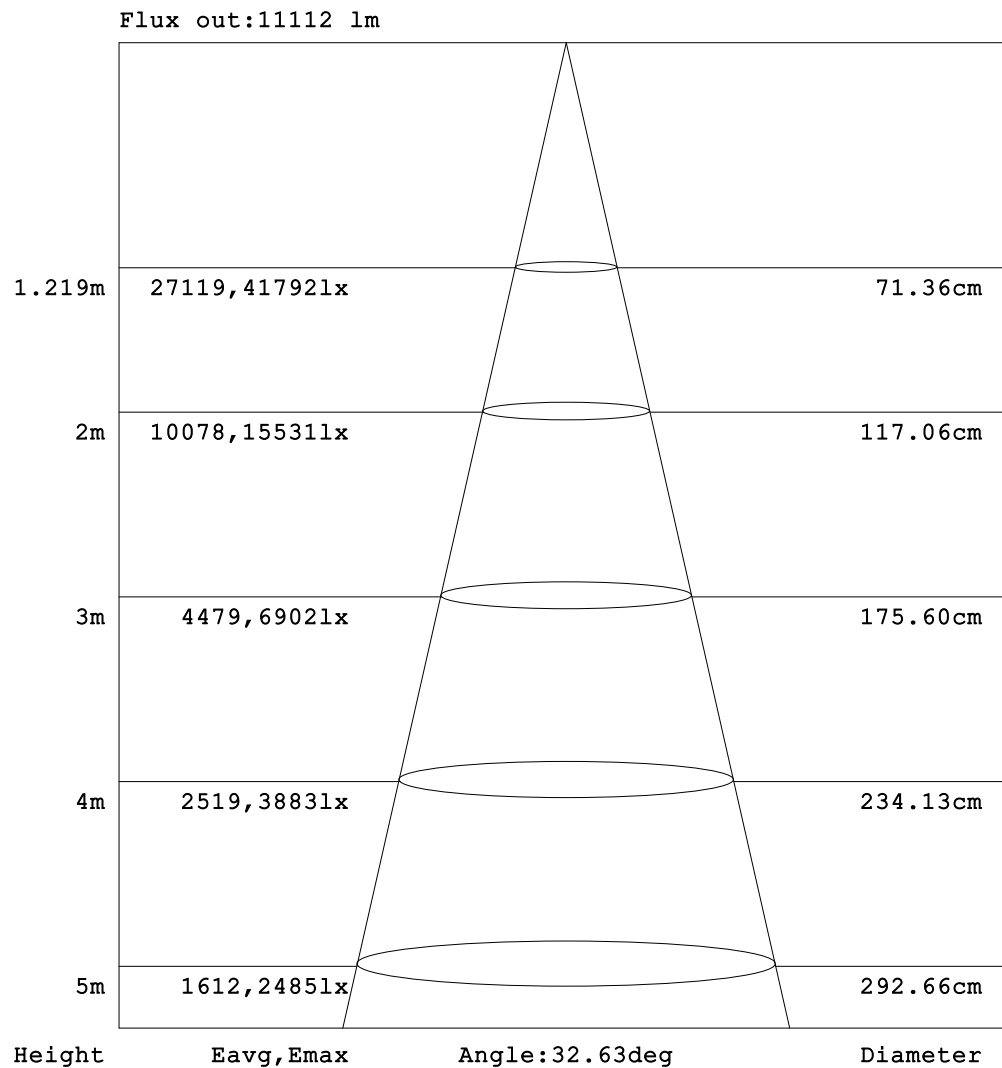


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-11-09

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:220.5V I:0.9461A P:203.4W PF:0.9750 Lamp Flux:28822.4x1 lm		
NAME: FL-5050-200	TYPE:LED	WEIGHT:24KG
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:2017-11-09

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:220.5V I:0.9461A P:203.4W PF:0.9750 Lamp Flux:28822.4x1 lm		
NAME: FL-5050-200	TYPE:LED	WEIGHT:24KG
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	7.35	9.10	11.4	14.7	18.1	21.4	24.6	27.2	29.5	31.5	33.2	34.7	36.0	36.5	36.7	36.7	36.6	36.3	36.2
-75	7.51	8.83	11.9	16.4	21.4	26.3	31.0	35.3	39.2	42.6	45.2	47.7	50.0	51.8	53.1	54.0	54.6	54.7	54.7
-70	8.69	11.9	17.4	24.2	30.6	36.9	42.7	48.2	53.1	56.9	60.2	63.4	66.4	68.9	70.8	72.1	72.9	73.2	73.3
-65	8.19	10.4	15.7	23.5	31.6	39.5	47.2	53.9	60.0	65.7	71.0	76.2	81.0	85.4	89.2	92.2	94.3	95.6	96.2
-60	9.53	14.5	23.2	32.8	42.0	51.5	60.1	67.0	73.7	80.8	88.1	94.9	101	107	111	115	118	119	119
-55	8.11	11.0	18.7	29.3	40.0	50.8	60.7	69.3	77.7	86.7	96.0	106	115	124	133	141	147	151	153
-50	9.08	15.5	26.8	38.8	51.1	62.5	71.7	81.6	92.2	104	115	128	140	153	164	174	182	186	187
-45	6.93	10.5	20.6	33.5	46.6	59.3	69.9	81.0	93.1	107	122	138	158	178	200	223	242	256	262
-40	7.59	16.0	29.8	43.6	57.9	69.1	81.1	94.7	110	127	147	171	199	230	263	295	321	336	338
-35	5.12	9.29	21.7	36.4	51.6	64.4	76.7	91.0	107	127	152	183	225	278	341	411	484	543	571
-30	5.77	16.0	31.4	47.4	61.4	74.1	89.0	107	128	155	192	243	312	398	502	615	723	792	804
-25	3.54	8.34	23.2	39.2	55.2	68.3	83.0	101	122	152	193	254	346	482	667	897	1147	1357	1458
-20	4.73	17.6	34.1	51.0	64.7	79.5	97.5	120	150	194	261	366	531	775	1100	1481	1843	2081	2107
-15	2.66	8.13	25.1	41.9	57.6	71.6	88.3	109	137	177	240	344	518	803	1223	1792	2446	3026	3329
-10	4.18	18.8	36.0	52.5	66.8	82.8	103	129	167	228	331	509	816	1296	2000	2885	3789	4425	4549
-5	2.27	8.75	26.8	43.2	58.8	73.6	91.4	115	146	194	275	416	667	1103	1775	2704	3810	4806	5357
0	4.02	20.7	37.0	53.4	68.2	84.7	106	134	176	247	368	588	988	1650	2602	3842	5097	5990	6165
5	2.03	9.54	27.4	43.1	58.6	73.5	91.3	115	145	194	275	418	673	1116	1811	2770	3914	4941	5510
10	3.83	20.6	35.9	52.1	66.4	82.5	103	129	167	229	334	517	838	1349	2105	3064	4038	4718	4858
15	1.61	9.82	26.5	41.6	56.8	70.9	87.6	109	136	176	241	348	530	830	1287	1910	2629	3259	3596
20	4.05	19.9	34.6	50.1	63.6	78.4	96.5	119	149	194	264	374	551	819	1182	1618	2035	2292	2335
25	1.17	9.24	24.8	38.9	53.6	66.3	81.0	98.7	120	149	191	254	350	496	700	959	1244	1480	1600
30	3.70	17.9	31.7	45.9	58.7	71.2	85.8	103	124	151	187	239	310	403	517	644	766	847	862
35	1.00	8.09	22.4	35.2	48.7	60.3	72.2	86.0	102	121	144	175	216	270	336	412	492	558	591
40	3.44	16.0	28.7	40.8	53.0	63.2	74.6	87.5	102	117	136	158	183	213	245	276	303	319	321
45	1.12	6.71	19.3	30.8	42.1	52.9	62.4	72.7	83.8	96.0	109	124	141	159	179	200	219	233	239
50	2.94	12.8	24.0	34.1	44.7	54.0	62.3	71.0	80.5	90.1	99.9	110	120	130	139	147	153	157	157
55	1.39	5.11	15.4	25.3	34.3	43.4	51.6	59.1	66.4	74.3	82.0	89.9	97.4	104	111	117	122	125	127
60	2.65	9.61	18.9	27.4	35.0	43.0	50.1	55.9	61.8	67.7	73.8	79.0	83.6	87.6	90.9	93.3	94.9	95.8	96.0
65	1.63	3.74	10.8	18.5	25.6	32.5	38.9	44.6	49.8	54.6	59.1	63.4	67.2	70.5	73.3	75.4	76.7	77.5	77.8
70	2.33	5.58	12.1	18.5	24.7	29.8	34.7	39.7	43.8	46.9	49.7	52.5	54.9	56.9	58.4	59.3	59.6	59.6	59.7
75	1.92	2.75	6.09	11.0	15.7	20.3	24.4	28.2	31.8	34.6	37.0	39.2	41.2	42.6	43.5	44.2	44.5	44.4	44.2
80	2.16	3.13	5.86	9.25	12.5	15.8	18.6	21.2	23.4	25.3	26.9	28.4	29.3	29.5	29.6	29.6	29.2	28.9	28.8
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
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Operators:DAMIN
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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]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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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	36.6	36.9	37.0	36.9	36.6	35.5	34.0	32.2	30.4	28.1	25.7	22.8	19.6	16.2	13.0	10.3	8.12	7.27	
-75	54.8	54.9	54.7	54.1	53.2	51.7	49.5	47.1	44.6	41.7	38.0	33.9	29.4	24.7	19.8	14.8	10.8	8.35	
-70	73.2	72.8	71.8	70.3	68.1	65.4	62.3	59.0	55.5	50.9	45.4	39.7	33.7	27.2	20.6	14.3	10.1	8.31	
-65	96.1	95.4	93.9	91.5	88.3	84.4	79.9	75.0	69.7	64.2	58.3	52.1	44.6	36.7	28.7	20.6	13.5	9.48	
-60	118	116	113	109	104	98.1	91.8	84.5	77.5	70.6	63.9	55.8	46.0	36.6	27.0	17.7	11.3	9.01	
-55	153	150	145	138	130	121	112	103	93.4	84.3	75.7	67.3	58.1	47.4	36.3	25.4	15.5	9.77	
-50	184	177	169	158	146	134	122	110	98.4	87.4	77.6	68.0	57.6	44.8	32.5	20.5	11.6	8.48	
-45	261	251	233	213	191	169	150	132	117	103	90.0	78.4	67.9	56.3	42.6	29.3	16.7	9.22	
-40	328	304	274	241	210	181	156	135	118	102	88.4	76.0	64.9	51.5	36.5	22.4	11.2	7.55	
-35	564	521	454	381	314	255	208	171	143	122	104	88.5	75.3	63.2	48.6	33.1	18.2	8.65	
-30	756	660	546	438	345	270	213	172	142	119	100	84.8	71.3	58.3	41.7	25.6	11.5	6.77	
-25	1428	1271	1035	787	581	418	304	228	178	143	118	98.6	82.6	68.8	54.4	37.2	20.4	8.53	
-20	1938	1609	1221	881	609	419	297	219	169	135	112	92.7	76.8	63.0	46.2	28.6	12.1	6.71	
-15	3248	2816	2184	1553	1042	675	440	300	217	165	132	108	89.1	73.4	58.8	41.1	23.1	8.76	
-10	4110	3287	2358	1579	998	620	398	271	197	151	122	99.6	81.9	66.7	50.3	32.2	13.3	6.77	
-5	5209	4444	3361	2303	1466	897	548	353	244	179	140	114	92.8	76.2	61.0	43.5	25.4	9.02	
0	5505	4339	3043	1956	1185	709	437	290	206	156	125	101	83.2	67.5	50.9	33.9	14.2	7.10	
5	5357	4564	3443	2353	1492	909	553	355	244	180	140	114	92.7	76.1	60.9	43.6	26.5	9.18	
10	4377	3481	2482	1647	1032	635	403	273	197	152	122	99.4	81.7	66.5	50.3	33.9	15.5	7.11	
15	3506	3027	2331	1645	1090	697	449	303	217	165	131	108	88.5	72.9	58.5	41.9	25.9	9.12	
20	2138	1760	1321	939	638	431	301	220	168	134	111	91.7	76.0	62.3	46.7	31.4	14.5	6.60	
25	1566	1385	1115	837	606	429	307	227	175	141	116	97.1	80.8	67.2	53.9	38.6	23.5	8.49	
30	807	698	568	449	348	268	209	168	138	115	97.2	82.0	68.8	56.8	42.2	28.3	12.9	5.61	
35	583	535	461	381	309	248	200	163	136	115	98.5	83.9	71.3	60.1	47.4	34.0	20.2	7.19	
40	310	287	257	225	194	167	144	125	108	94.6	81.7	70.2	60.1	48.8	36.0	23.5	9.96	4.64	
45	237	227	211	192	171	152	134	118	105	92.2	80.9	70.5	61.0	51.3	39.7	28.5	16.1	5.58	
50	155	150	143	134	124	115	105	94.9	85.5	76.1	67.4	59.1	50.6	40.0	30.0	18.9	7.43	3.59	
55	126	124	120	115	109	102	94.8	87.3	79.5	71.9	64.4	57.3	49.7	41.0	31.8	22.2	11.9	4.19	
60	95.4	94.1	92.0	89.0	85.2	80.9	76.0	70.4	64.5	58.7	53.0	46.5	38.4	30.7	22.3	13.2	5.06	2.98	
65	77.8	77.3	76.3	74.7	72.3	69.3	65.8	61.9	57.5	53.1	48.1	42.7	36.6	29.9	23.0	15.3	7.60	3.18	
70	59.6	59.5	58.8	57.6	55.9	53.7	51.1	48.3	45.4	41.7	36.8	31.7	26.8	20.7	14.4	8.01	3.65	2.56	
75	44.3	44.4	44.4	44.0	43.2	42.2	40.5	38.4	36.1	33.5	30.2	26.3	22.3	18.1	13.4	8.54	4.40	2.57	
80	29.1	29.5	29.6	29.6	29.4	28.8	27.4	25.7	23.8	21.6	19.0	16.2	12.9	9.76	6.49	3.74	2.56	2.42	
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:2017-11-09

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: