

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	498.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	113.5V x 105.4H
	At 50% of Imax	95.4V x 97.0H
	At 90% of Imax	65.7V x 68.6H

Beam Flux	Total	994.7 lumens per klm.
	To 10% of Imax	967.2 lumens per klm.
	To 50% of Imax	890.6 lumens per klm.
	To 90% of Imax	503.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.5 %

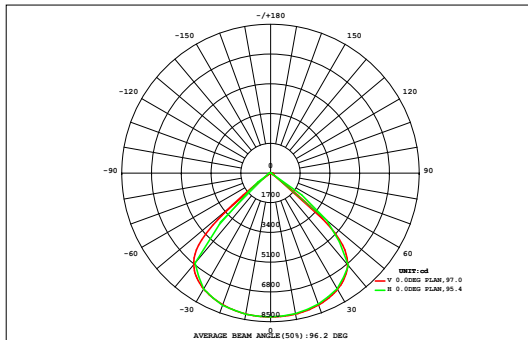
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

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:0.4939A P:105.5W PF:0.9690 Lamp Flux:16493.5x1 lm		
NAME: UFO-5050-100	TYPE:LED	WEIGHT:6KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:156.28lm/W	
MODEL	UFO-5050-100-90	Imax(cd)	8219
NOMINAL POWER(W)	105	AVAILABILITY(%)	97.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	16077
NOMINAL FLUX(lm)	16493.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	16493
TEST VOLTAGE(V)	220	θ @50%(H,V)	97,95DEG

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	0.04	0.16	0.36	0.63	0.91	1.22	1.51	1.74	1.87	1.88	1.78	1.57	1.29	0.99	0.69	0.41	0.19	0.05	17.3	0.00
70	0.04	0.19	0.48	0.85	1.29	1.83	2.40	2.87	3.15	3.19	2.97	2.54	1.98	1.44	0.97	0.57	0.24	0.06	27.0	0.00
60	0.04	0.25	0.63	1.18	1.95	3.01	10.8	34.7	49.0	48.9	34.7	11.0	3.36	2.22	1.40	0.79	0.33	0.07	204	169
50	0.05	0.30	0.78	1.58	3.19	30.5	77.1	137	170	170	136	76.7	30.0	3.59	1.93	1.03	0.43	0.09	840	815
40	0.06	0.34	0.95	2.03	19.0	111	190	217	227	227	217	190	110	19.8	2.52	1.28	0.52	0.11	1536	1520
30	0.06	0.38	1.09	2.85	66.0	167	204	226	237	237	226	204	168	67.0	3.44	1.49	0.60	0.13	1813	1800
20	0.07	0.41	1.21	5.72	107	177	212	234	245	245	234	212	178	107	6.61	1.64	0.66	0.14	1966	1954
10	0.07	0.44	1.28	10.2	119	182	216	237	248	248	238	216	182	121	11.5	1.73	0.69	0.14	2034	2023
0	0.08	0.47	1.36	9.99	117	182	216	238	249	249	238	217	182	118	10.9	1.77	0.71	0.14	2031	2020
-10	0.09	0.51	1.43	5.19	97.2	176	212	235	246	246	235	213	176	99.0	6.27	1.81	0.72	0.15	1951	1938
-20	0.10	0.55	1.51	2.95	55.3	157	202	226	238	238	227	202	157	55.4	3.40	1.80	0.71	0.15	1768	1753
-30	0.12	0.58	1.55	3.12	12.2	94.4	169	204	219	219	205	169	95.3	13.4	3.42	1.77	0.70	0.16	1411	1390
-40	0.13	0.60	1.53	2.86	3.45	15.0	79.4	118	139	139	118	78.6	14.7	3.62	3.04	1.66	0.68	0.16	719	686
-50	0.13	0.58	1.42	2.53	3.76	3.56	3.22	5.97	13.6	13.7	6.11	3.30	3.69	3.89	2.64	1.51	0.65	0.16	70.4	8.20
-60	0.14	0.55	1.27	2.17	3.11	4.04	4.81	4.26	3.36	3.37	4.27	4.84	4.06	3.15	2.21	1.32	0.61	0.16	47.7	0.00
-70	0.14	0.52	1.06	1.75	2.44	3.09	3.65	4.03	4.23	4.24	4.05	3.66	3.10	2.45	1.77	1.11	0.57	0.16	42.0	0.00
-80	0.07	0.24	0.45	0.70	0.95	1.18	1.36	1.50	1.57	1.58	1.50	1.36	1.18	0.95	0.70	0.48	0.27	0.08	16.1	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	1.44	7.05	18.4	56.3	614	1309	1804	2127	2293	2295	2130	1806	1312	623	63.4	22.2	9.29	2.12	16493	---
Φ a	0.00	0.00	0.00	17.7	582	1282	1777	2104	2267	2268	2106	1779	1285	589	20.6	0.00	0.00	0.00	---	16077

one-half-peak spread: U:45.1,D:50.5 , L:50.6,R:46.6

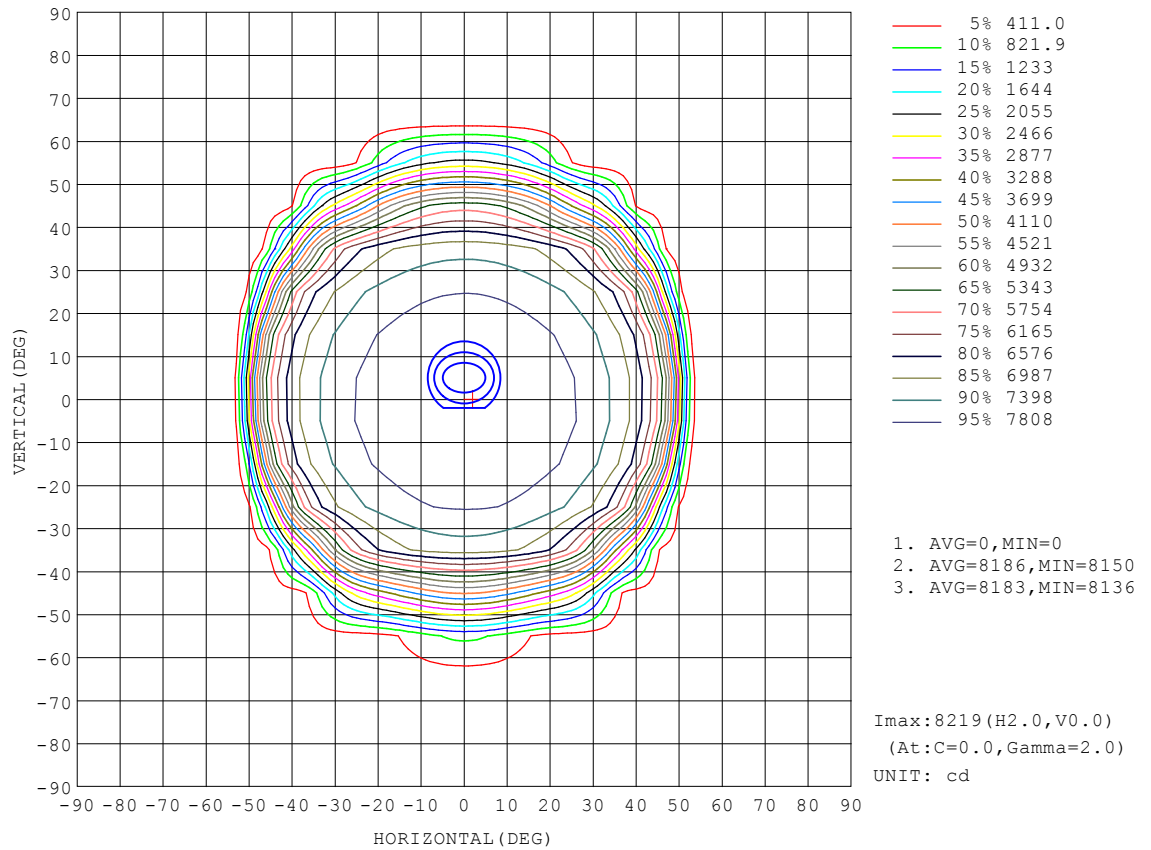
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

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:0.4939A P:105.5W PF:0.9690 Lamp Flux:16493.5x1 lm		
NAME: UFO-5050-100	TYPE:LED	WEIGHT:6KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

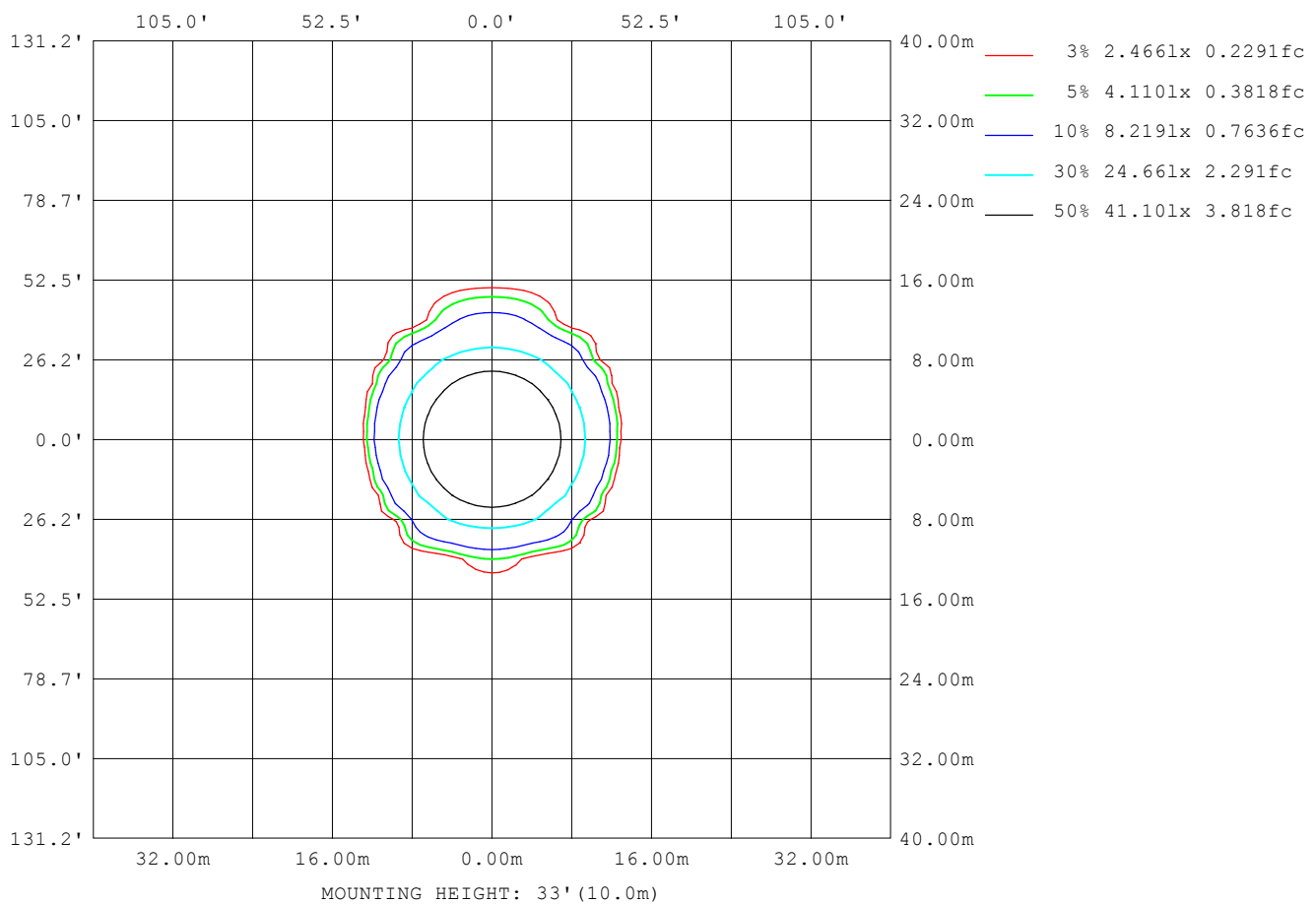


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

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

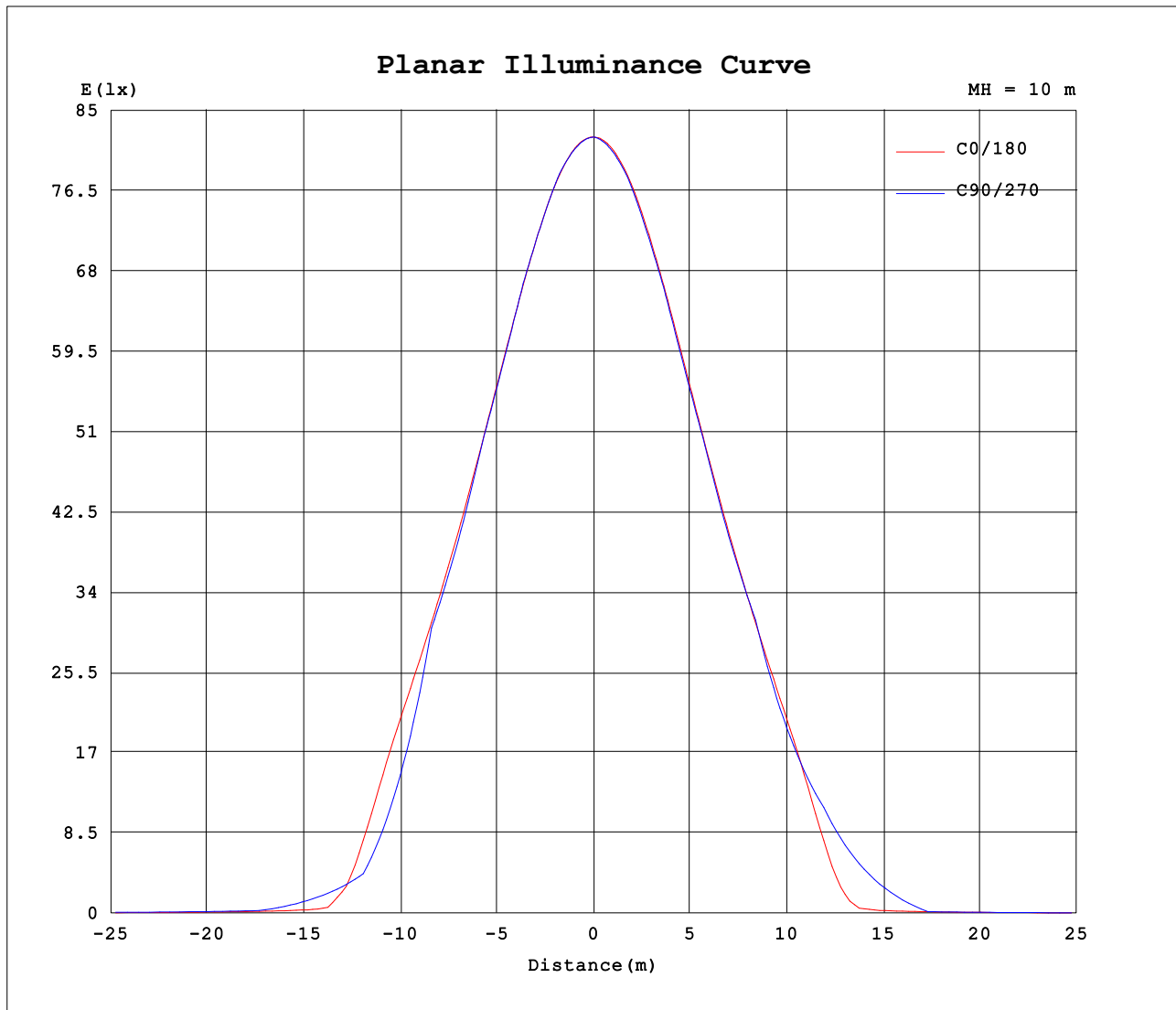
Test:U:220.5V I:0.4939A P:105.5W PF:0.9690 Lamp Flux:16493.5x1 lm		
NAME: UFO-5050-100	TYPE:LED	WEIGHT:6KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

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

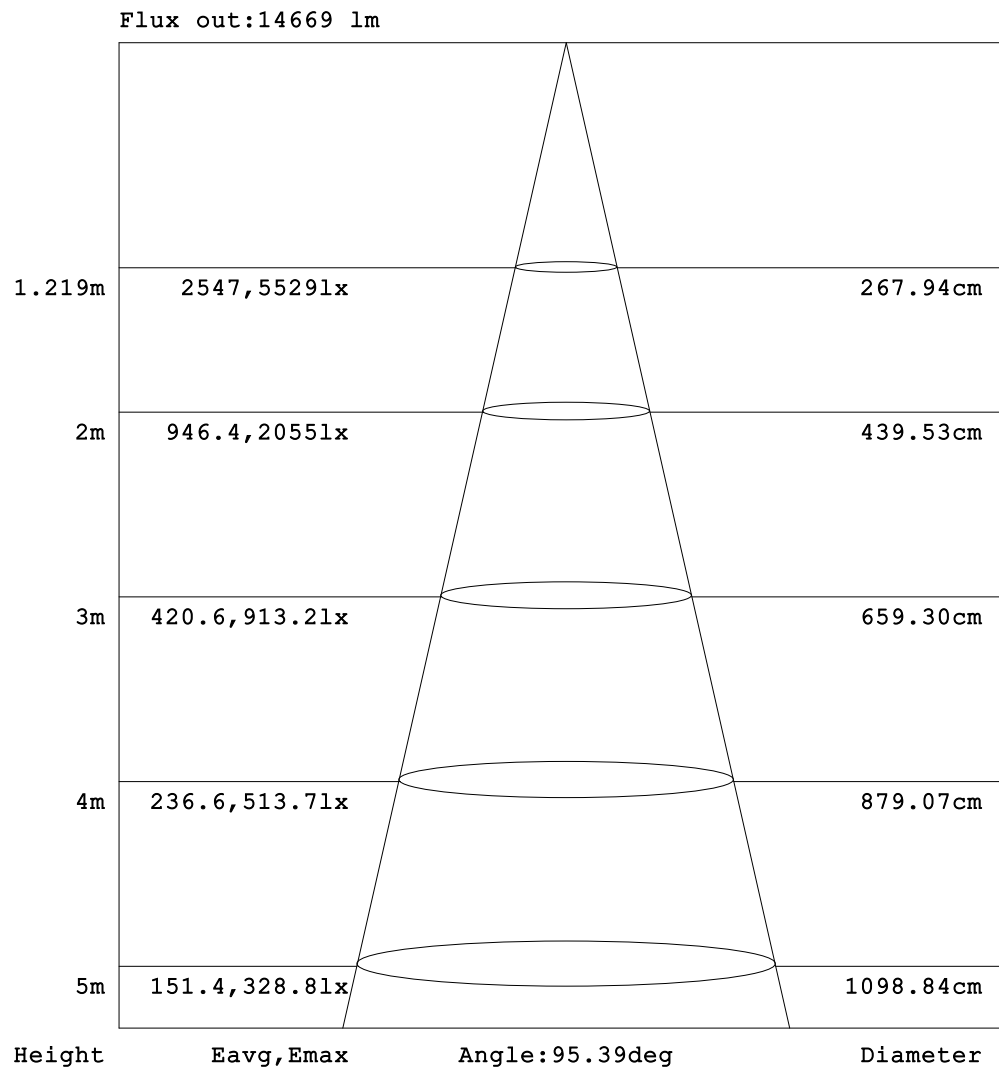


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

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:0.4939A P:105.5W PF:0.9690 Lamp Flux:16493.5x1 lm		
NAME: UFO-5050-100	TYPE:LED	WEIGHT:6KG
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: 2017-10-21

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:0.4939A P:105.5W PF:0.9690 Lamp Flux:16493.5x1 lm		
NAME: UFO-5050-100	TYPE:LED	WEIGHT:6KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

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	51.7	53.7	58.8	62.2	67.5	74.0	80.2	86.1	91.8	96.4	100	104	108	110	112	114	115	116	117
-75	49.2	52.0	58.6	64.3	72.5	81.8	91.3	99.4	107	113	119	124	129	133	136	138	140	141	141
-70	46.6	50.3	58.4	66.4	77.5	89.6	102	113	122	130	137	144	150	155	159	162	164	165	166
-65	44.7	49.1	58.2	68.2	82.2	97.0	112	124	135	145	154	163	172	179	185	189	192	194	195
-60	42.8	48.0	58.0	69.9	86.8	104	121	135	148	160	171	183	193	202	210	216	221	223	225
-55	41.8	47.2	57.4	71.1	89.8	109	127	144	160	176	191	207	223	240	280	422	641	830	905
-50	40.8	46.3	56.8	72.3	92.7	114	134	154	172	191	211	231	252	277	350	629	1061	1436	1585
-45	39.9	45.0	55.3	72.5	93.8	117	139	162	185	211	247	664	1776	2627	3097	3464	3807	4059	4153
-40	39.0	43.6	53.7	72.7	95.0	120	145	171	199	231	282	1097	3299	4978	5845	6299	6552	6682	6721
-35	37.0	40.7	50.9	70.5	93.3	118	146	176	212	463	1896	3377	4924	5994	6564	6880	7062	7158	7189
-30	35.0	37.9	48.2	68.2	91.7	117	147	182	225	695	3509	5656	6550	7010	7284	7460	7572	7634	7657
-25	32.4	34.8	46.2	66.5	89.0	114	146	186	359	2285	4777	6262	6925	7291	7520	7673	7772	7827	7847
-20	29.8	31.6	44.2	64.8	86.2	112	145	190	492	3874	6044	6868	7300	7573	7757	7886	7971	8019	8036
-15	27.3	28.8	42.6	62.4	83.1	109	142	190	1218	4645	6353	7050	7433	7683	7855	7975	8055	8101	8117
-10	24.9	26.0	41.1	59.9	80.1	106	138	191	1944	5416	6661	7232	7566	7793	7952	8064	8140	8182	8197
-5	22.7	24.1	40.1	57.7	77.7	103	136	207	2422	5627	6750	7284	7606	7825	7978	8085	8158	8196	8208
0	20.6	22.3	39.1	55.4	75.4	100	133	222	2900	5839	6839	7337	7646	7856	8004	8107	8176	8210	8219
5	19.1	21.5	37.3	53.2	72.8	97.2	129	199	2631	5709	6766	7282	7596	7810	7961	8067	8138	8176	8188
10	17.5	20.7	35.5	51.1	70.3	94.0	124	176	2361	5579	6693	7227	7547	7765	7918	8028	8101	8142	8156
15	16.9	20.3	34.6	49.8	68.3	91.0	120	165	1668	5084	6465	7072	7422	7654	7816	7931	8008	8051	8065
20	16.3	19.9	33.7	48.5	66.3	88.0	115	153	975	4589	6238	6917	7297	7544	7714	7834	7915	7960	7975
25	15.9	19.0	32.0	46.2	62.8	82.8	107	140	574	3104	5454	6500	7004	7306	7506	7642	7732	7781	7798
30	15.5	18.1	30.3	44.0	59.3	77.7	99.4	127	172	1619	4669	6082	6710	7068	7298	7451	7548	7603	7622
35	15.1	17.3	28.8	41.7	55.6	72.0	91.2	114	149	890	2664	4553	5818	6467	6823	7038	7171	7244	7267
40	14.8	16.5	27.3	39.4	51.9	66.3	82.9	102	126	161	659	3023	4925	5866	6347	6626	6794	6884	6912
45	14.5	15.5	25.3	36.5	47.5	60.0	74.0	89.8	109	134	393	1587	2565	3298	4118	4790	5243	5490	5566
50	14.2	14.5	23.3	33.5	43.2	53.7	65.1	77.7	91.6	108	127	151	206	731	1888	2954	3692	4095	4220
55	14.0	13.9	21.1	30.2	39.0	48.0	57.4	67.4	78.3	90.8	105	122	154	422	1005	1541	1914	2118	2181
60	13.7	13.3	18.9	27.0	34.8	42.4	49.6	57.0	65.1	73.8	83.3	93.3	103	113	121	129	135	140	142
65	13.6	13.0	16.5	23.1	30.0	36.7	42.8	48.4	54.3	60.6	67.5	74.9	82.2	89.1	95.2	100	105	108	109
70	13.5	12.6	14.1	19.3	25.2	31.0	35.9	39.8	43.6	47.5	51.7	56.5	61.2	65.5	69.0	71.9	74.0	75.3	76.0
75	13.6	12.8	13.5	16.6	20.8	24.7	28.3	31.8	34.9	37.8	40.9	44.0	47.2	50.0	52.4	54.3	55.8	56.8	57.2
80	13.6	13.0	12.9	13.9	16.3	18.4	20.6	23.9	26.1	28.2	30.0	31.5	33.1	34.5	35.8	36.8	37.6	38.3	38.5
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:2017-10-21

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

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NAME: UFO-5050-100									TYPE:LED					WEIGHT:6KG				
SPEC.:C470SP-Q2-P-03A 230V50HZ									DIM.:					SERIAL No.:1				
MFR.: EVERFINE									SUR.:					Shielding Angle:				

Table--2

UNIT: cd

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	116	116	114	112	110	108	104	101	96.5	91.5	86.7	82.2	77.9	73.2	69.1	66.1	60.2	55.6	
-75	141	140	139	136	133	129	124	119	114	107	101	93.6	85.7	78.1	71.2	66.3	59.4	54.1	
-70	166	165	163	160	156	151	144	138	131	123	115	105	93.5	83.0	73.3	66.5	58.6	52.6	
-65	195	193	190	186	180	173	165	156	147	137	126	115	101	88.3	75.3	66.5	58.0	51.7	
-60	224	222	218	212	205	196	185	174	163	151	138	124	109	93.6	77.3	66.4	57.5	50.7	
-55	836	649	433	285	245	228	213	197	182	166	150	134	116	98.0	79.9	66.8	57.4	50.6	
-50	1448	1077	648	357	285	261	241	220	200	181	163	143	123	102	82.5	67.1	57.3	50.4	
-45	4064	3813	3470	3089	2607	1759	662	258	223	197	173	150	127	105	84.3	66.7	56.8	50.8	
-40	6680	6549	6292	5820	4929	3257	1084	296	245	212	184	157	131	107	86.1	66.3	56.3	51.1	
-35	7161	7066	6884	6561	5978	4918	3392	1967	479	231	194	162	134	110	86.9	66.0	55.4	50.8	
-30	7641	7584	7477	7302	7028	6580	5701	3638	712	250	204	168	138	112	87.8	65.7	54.6	50.6	
-25	7832	7781	7687	7536	7308	6946	6288	4836	2280	381	209	169	138	112	87.9	65.7	53.4	49.9	
-20	8022	7978	7896	7770	7589	7312	6876	6034	3848	513	215	170	138	111	88.0	65.6	52.2	49.1	
-15	8105	8064	7988	7872	7706	7457	7073	6375	4679	1364	222	171	137	111	88.3	66.5	50.8	47.9	
-10	8188	8150	8080	7974	7822	7603	7270	6715	5511	2214	228	172	137	111	88.5	67.4	49.3	46.7	
-5	8202	8168	8100	7996	7849	7634	7311	6784	5674	2569	231	169	135	109	86.9	67.5	48.2	45.5	
0	8216	8185	8120	8019	7875	7665	7353	6853	5837	2924	234	167	133	107	85.4	67.5	47.0	44.3	
5	8182	8149	8083	7980	7833	7621	7307	6799	5750	2760	234	164	131	106	84.3	66.5	47.3	43.5	
10	8148	8113	8046	7942	7791	7578	7260	6744	5662	2596	234	162	129	104	83.1	65.5	47.6	42.6	
15	8055	8017	7944	7832	7672	7442	7093	6487	5104	1782	211	155	125	101	80.4	63.3	46.4	41.1	
20	7963	7921	7842	7722	7553	7305	6925	6230	4547	969	188	148	120	97.2	77.7	61.1	45.1	39.5	
25	7785	7738	7652	7518	7320	7022	6517	5484	3148	593	173	139	113	92.2	73.8	57.8	42.7	37.5	
30	7607	7555	7462	7314	7087	6739	6108	4738	1749	217	159	130	107	87.3	70.0	54.5	40.2	35.4	
35	7246	7175	7043	6824	6458	5798	4519	2677	967	184	142	118	97.9	80.3	64.8	49.8	37.0	33.3	
40	6885	6796	6625	6334	5830	4857	2929	615	186	150	125	106	88.7	73.4	59.5	45.2	33.9	31.2	
45	5488	5238	4788	4110	3279	2541	1550	381	156	129	110	93.9	79.4	65.9	53.7	40.6	30.9	29.1	
50	4090	3681	2950	1887	729	226	171	146	125	109	94.8	81.9	70.1	58.5	47.8	36.1	28.0	27.0	
55	2116	1910	1542	1007	425	169	136	119	104	91.7	80.7	70.7	61.0	51.2	41.3	31.7	25.3	24.8	
60	142	139	134	128	121	112	102	92.0	82.9	74.5	66.7	59.6	52.0	43.8	34.8	27.3	22.6	22.7	
65	109	107	104	99.9	94.6	88.3	81.2	74.0	67.5	61.6	55.9	50.3	44.0	36.6	29.3	23.5	20.4	20.9	
70	76.0	75.5	74.1	71.8	68.8	64.9	60.6	56.0	52.1	48.6	45.1	41.0	35.9	29.5	23.8	19.6	18.2	19.0	
75	57.2	56.7	55.8	54.2	52.1	49.7	46.8	43.9	41.1	38.4	35.5	32.0	28.2	23.9	20.1	17.5	16.9	17.7	
80	38.4	38.0	37.4	36.6	35.5	34.4	33.1	31.7	30.0	28.1	25.8	22.9	20.5	18.4	16.4	15.4	15.6	16.3	
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	
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:2017-10-21

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: