

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	509.8 cd per klm.
(Luminaire orientation as tested.)	50.0 degrees vertical
	18.0 degrees horizontal

Beam Spread	At 10% of Imax	136.3V x 150.8H
	At 50% of Imax	55.7V x 136.8H
	At 90% of Imax	13.5V x 123.5H

Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	972.4 lumens per klm.
	To 50% of Imax	570.9 lumens per klm.
	To 90% of Imax	99.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

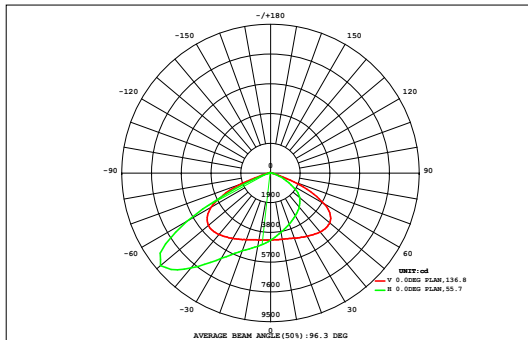
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-12

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.401m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: FLV-150-AW-40K-D351	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50



DATA OF LAMP		Eff:125.58lm/W	
MODEL	SMD 2835/LED	Imax (cd)	9712
NOMINAL POWER (W)	151.7	AVAILABILITY (%)	97.3
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	18528
NOMINAL FLUX (lm)	19051.1	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	19051
TEST VOLTAGE (V)	230.1	θ @50% (H,V)	137,56DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.02	0.06	0.18	0.36	0.58	0.81	1.00	1.09	1.14	1.14	1.00	0.79	0.57	0.37	0.22	0.12	0.04	9.49	0.00
90	0.01	0.11	0.56	1.71	3.47	5.78	8.14	10.6	11.9	12.0	10.7	8.33	5.98	3.57	1.71	0.55	0.11	0.01	85.2	0.00
80	0.03	0.38	2.06	8.86	24.7	46.1	72.9	95.3	97.2	98.6	95.6	71.2	45.1	24.1	8.07	1.76	0.31	0.02	692	639
70	0.04	0.72	5.32	34.2	92.9	163	226	252	251	253	256	230	167	96.3	36.7	5.73	0.74	0.04	2072	2058
60	0.07	1.39	16.2	72.6	146	210	248	261	264	267	268	253	210	142	68.0	13.4	1.14	0.05	2444	2434
50	0.08	2.00	26.0	89.8	152	190	206	212	214	217	218	214	197	156	93.1	28.1	2.18	0.09	2217	2209
40	0.13	3.73	38.7	99.4	144	165	172	173	174	176	180	181	173	147	96.7	34.4	2.91	0.09	1962	1955
30	0.13	4.32	39.8	93.7	129	145	151	151	151	153	155	157	152	134	97.1	42.4	4.89	0.14	1761	1755
20	0.17	6.12	42.7	87.5	114	127	132	135	137	138	139	139	134	119	88.1	39.5	4.73	0.12	1582	1577
10	0.13	5.06	36.8	76.7	100	112	118	121	123	124	123	122	117	105	79.9	39.2	5.72	0.16	1408	1403
0	0.16	5.16	33.5	67.4	88.1	99.1	105	109	111	112	111	109	104	92.1	68.1	31.1	4.00	0.11	1250	1244
-10	0.12	3.15	23.5	55.0	77.0	89.3	95.7	98.8	100	101	101	98.9	92.9	80.2	57.2	24.8	3.52	0.14	1103	1096
-20	0.12	2.47	15.1	39.4	64.1	79.0	86.3	89.6	91.2	92.2	92.2	89.6	81.7	64.7	37.9	13.3	2.03	0.11	941	929
-30	0.08	1.39	6.74	18.6	39.4	62.3	74.3	78.7	80.3	80.9	80.4	76.6	64.2	39.9	19.0	7.08	1.56	0.12	732	703
-40	0.07	0.95	3.88	9.64	19.0	35.7	53.7	60.6	62.1	62.5	61.3	53.5	33.7	17.6	9.00	3.59	0.87	0.08	488	429
-50	0.04	0.43	1.82	4.45	8.31	13.4	22.0	29.1	31.3	31.3	29.0	22.1	13.6	8.52	4.74	2.00	0.53	0.07	223	98.2
-60	0.03	0.21	0.75	1.81	3.36	5.15	7.01	8.63	9.13	9.10	8.54	6.88	5.13	3.34	1.82	0.78	0.24	0.05	72.0	0.00
-70	0.02	0.06	0.14	0.27	0.47	0.73	0.99	1.19	1.29	1.29	1.21	1.04	0.77	0.52	0.34	0.20	0.10	0.03	10.6	0.00
-80	0.02	0.06	0.14	0.27	0.47	0.73	0.99	1.19	1.29	1.29	1.21	1.04	0.77	0.52	0.34	0.20	0.10	0.03	10.6	0.00
-90	0.02	0.06	0.14	0.27	0.47	0.73	0.99	1.19	1.29	1.29	1.21	1.04	0.77	0.52	0.34	0.20	0.10	0.03	10.6	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.44	37.7	293	761	1207	1549	1780	1887	1912	1931	1932	1834	1597	1236	768	288	35.7	1.47	19051	---
Φ a	0.00	13.3	262	729	1173	1516	1747	1851	1879	1897	1896	1799	1563	1200	735	256	11.6	0.00	---	18528

one-half-peak spread: U:44.3,D:12.5 , L:21.5,R:22.4

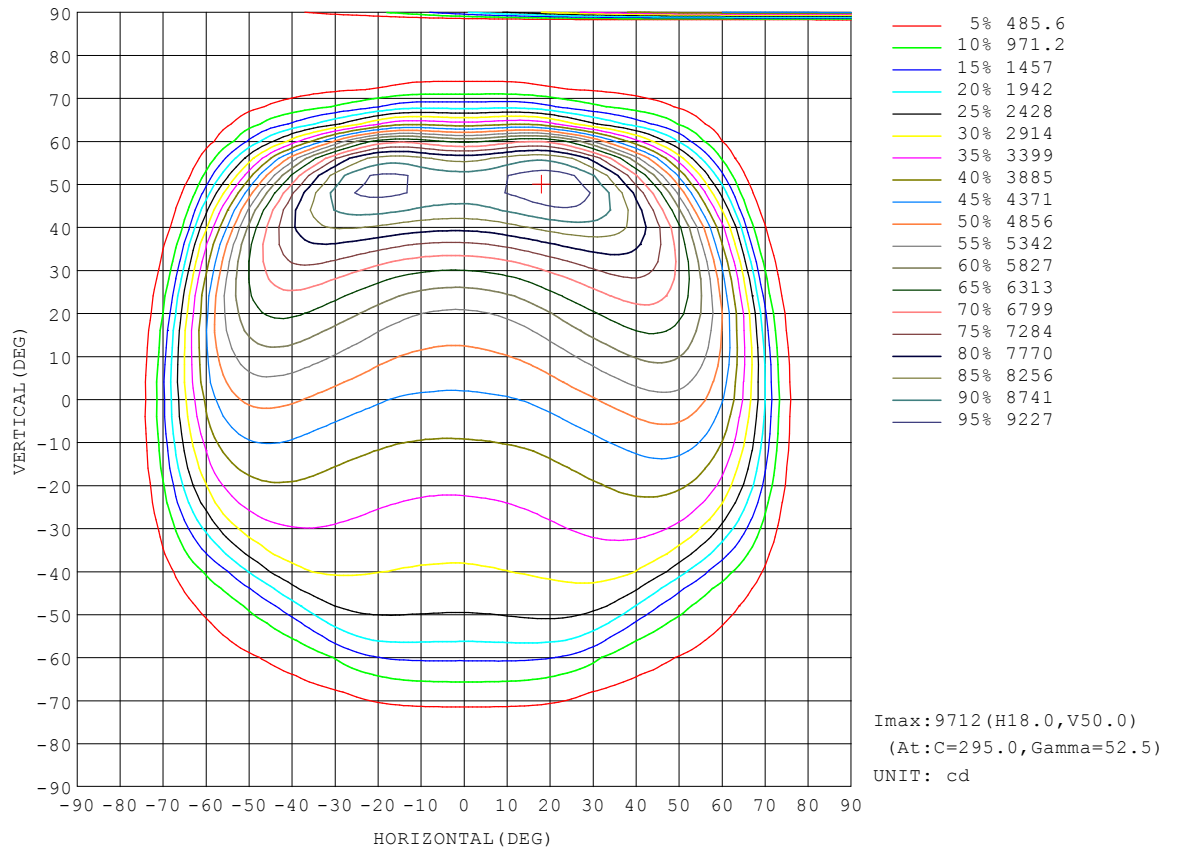
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-12

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.401m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: FLV-150-AW-40K-D351	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50

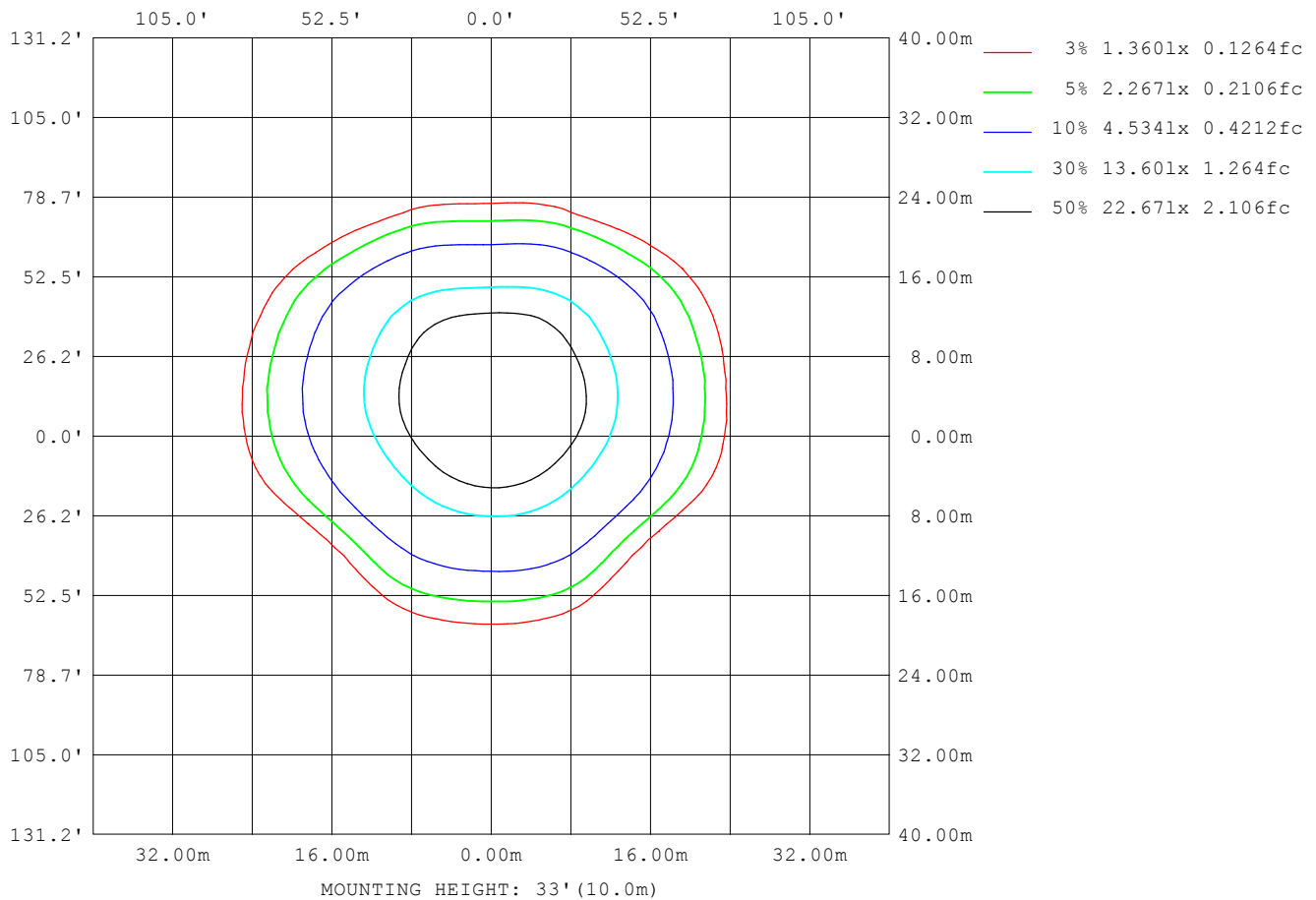


H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: YANG
Test Date: 2022-06-12

V(B) Range: -85 - 85DEG
V(B) Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.401m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

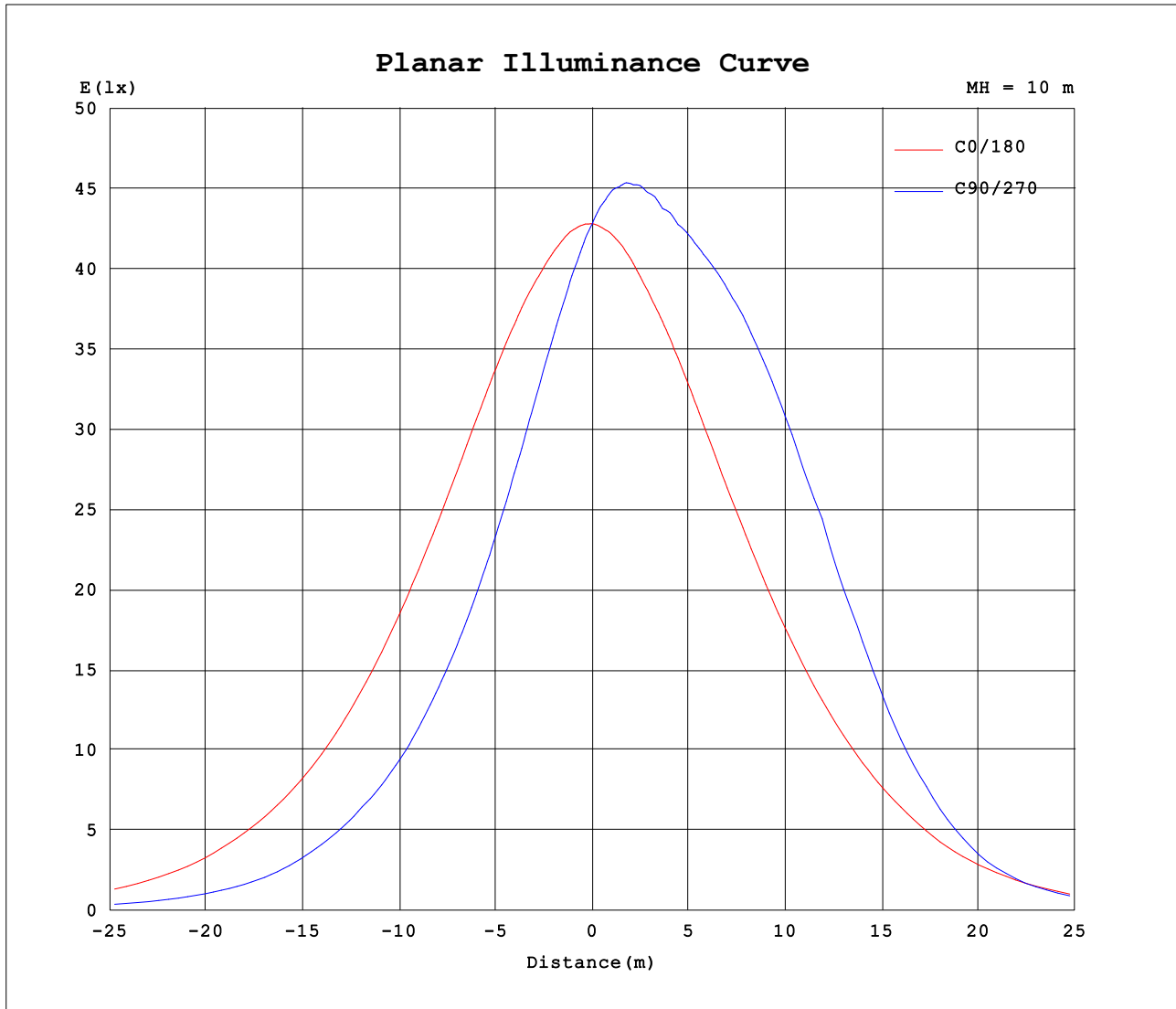
NAME: FLV-150-AW-40K-D351	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-12

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.401m [K=1.0000]
Remarks:

Planar Illuminance Curve

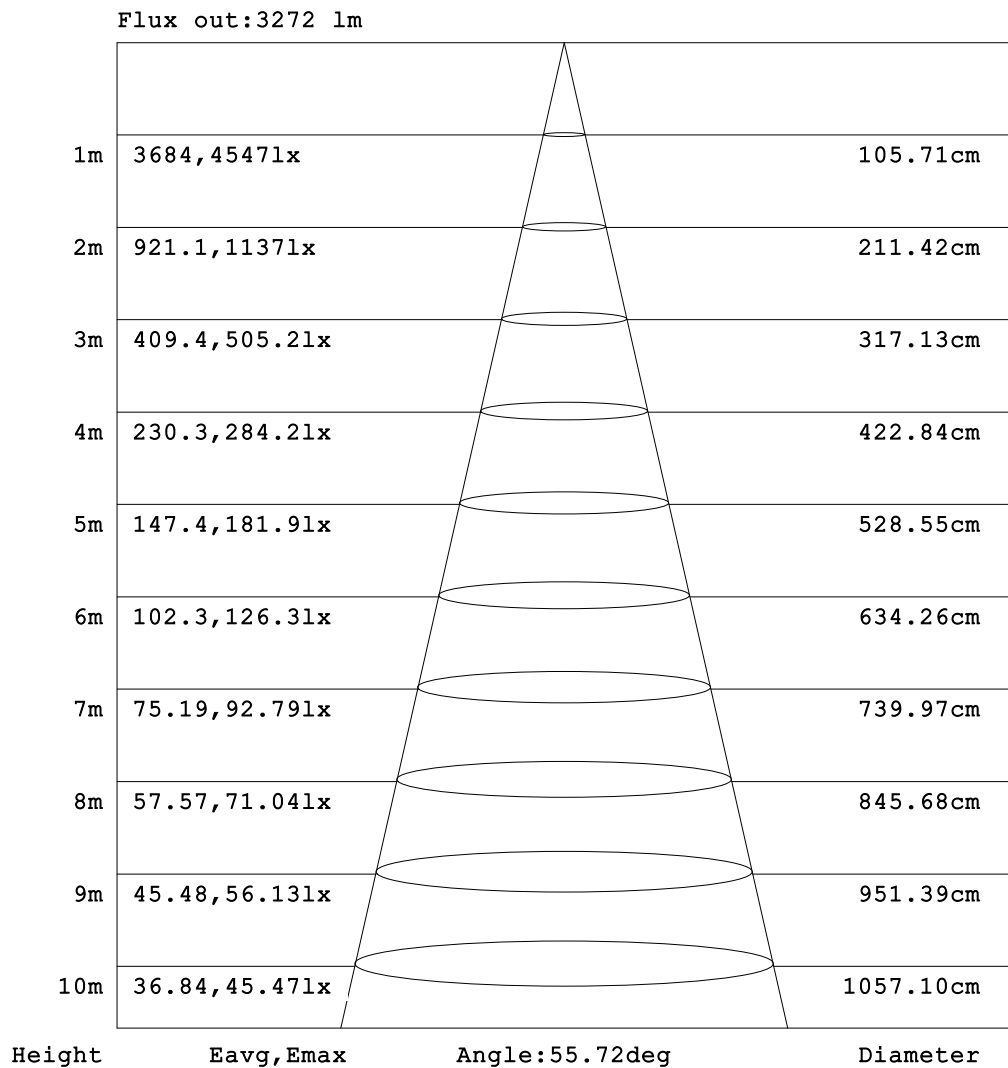


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-12

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.401m [K=1.0000]
Remarks:

AAI Figure

NAME: FLV-150-AW-40K-D351	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50



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:YANG
Test Date:2022-06-12

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.401m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FLV-150-AW-40K-D351	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50

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	8.67	10.7	11.7	14.5	19.1	24.4	31.9	41.3	52.2	64.1	76.7	89.0	99.1	110	120	126	127	130	131
-75	9.09	11.1	13.1	19.2	29.6	43.8	61.3	81.1	103	127	152	174	194	215	237	253	253	250	249
-70	9.90	12.5	20.1	37.8	65.1	97.6	136	177	221	263	305	344	386	437	492	529	551	562	564
-65	10.4	13.8	26.1	55.2	94.6	141	191	249	311	371	436	505	595	730	837	900	927	936	937
-60	11.3	13.0	24.5	62.8	120	187	258	344	440	536	658	784	997	1294	1450	1517	1534	1535	1533
-55	11.9	13.9	30.8	82.6	160	246	347	472	604	762	933	1188	1565	1837	1962	1997	1991	1978	1973
-50	12.6	19.6	63.9	152	267	403	576	757	990	1258	1665	2111	2346	2448	2465	2453	2442	2428	2432
-45	13.0	21.7	78.4	187	336	526	759	1004	1361	1785	2223	2504	2626	2659	2649	2626	2612	2604	2608
-40	13.2	16.1	58.7	171	356	652	1032	1447	1967	2449	2774	2926	2964	2957	2926	2893	2867	2858	2854
-35	12.8	16.4	68.3	200	452	902	1434	1981	2496	2879	3062	3130	3135	3111	3069	3029	2999	2980	2978
-30	12.2	27.4	126	335	839	1616	2310	2907	3222	3355	3396	3389	3348	3298	3242	3195	3164	3151	3163
-25	11.5	30.2	138	402	1059	1975	2717	3226	3466	3559	3570	3537	3481	3422	3364	3318	3289	3277	3289
-20	10.7	12.9	88.0	295	924	2023	2893	3485	3751	3844	3845	3794	3718	3642	3574	3526	3488	3473	3475
-15	9.79	12.5	93.8	333	1095	2260	3173	3748	3984	4057	4028	3960	3869	3788	3720	3669	3633	3619	3623
-10	7.46	31.8	165	603	1773	2958	3821	4218	4375	4373	4297	4192	4089	4004	3927	3878	3855	3845	3855
-5	6.93	36.0	174	657	1900	3142	4055	4466	4609	4603	4508	4396	4288	4187	4097	4044	4022	4012	4024
0	7.85	12.7	99.0	373	1350	2833	3982	4660	4935	4985	4921	4795	4663	4538	4426	4337	4297	4280	4283
5	7.86	13.3	101	383	1385	2917	4159	4884	5194	5254	5192	5059	4915	4776	4643	4541	4490	4464	4466
10	6.52	32.5	161	581	1936	3490	4723	5356	5637	5668	5570	5413	5248	5081	4927	4822	4761	4737	4752
15	6.39	35.2	157	559	1861	3525	4843	5555	5895	5958	5872	5698	5522	5339	5160	5032	4960	4929	4948
20	7.55	10.1	83.0	276	969	2703	4241	5450	6093	6369	6382	6248	6053	5863	5661	5477	5351	5283	5275
25	7.54	11.0	79.5	254	863	2535	4167	5501	6258	6622	6699	6589	6405	6198	6007	5824	5689	5620	5610
30	6.25	25.9	107	306	1033	2827	4441	5803	6628	7051	7182	7104	6928	6736	6552	6412	6318	6275	6297
35	6.11	24.4	98.9	266	815	2509	4176	5668	6639	7238	7512	7537	7429	7272	7116	6985	6903	6873	6898
40	7.05	8.00	49.8	143	342	1104	2834	4404	5912	6972	7696	8123	8297	8288	8192	8070	7971	7925	7915
45	6.98	7.60	43.7	124	283	796	2324	3882	5430	6683	7652	8340	8755	8915	8897	8796	8672	8609	8588
50	5.89	13.5	52.1	127	257	668	1940	3338	4801	6213	7406	8394	9106	9454	9529	9417	9264	9178	9191
55	5.72	11.5	42.9	103	203	454	1260	2444	3739	5099	6324	7442	8331	8882	9089	9034	8835	8708	8713
60	6.33	4.94	18.0	49.8	102	189	359	787	1530	2323	3113	3965	4898	5819	6456	6668	6559	6321	6199
65	6.19	4.75	14.1	37.2	76.4	137	239	437	767	1165	1526	1919	2332	2816	3355	3733	3774	3664	3593
70	5.38	4.63	12.2	26.9	51.3	87.1	142	202	266	334	418	496	578	631	713	843	922	948	951
75	5.27	4.42	8.26	16.9	31.3	52.4	83.5	119	154	189	229	268	305	335	367	407	427	427	426
80	5.46	4.69	4.06	4.94	8.53	13.5	20.4	29.4	40.3	50.6	61.6	72.1	82.8	92.2	99.8	107	110	109	108
85	5.31	4.66	4.12	3.97	4.38	5.54	8.17	11.7	15.6	19.6	23.7	27.8	31.8	35.7	38.8	41.3	42.3	41.8	41.7
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:YANG
Test Date:2022-06-12

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.401m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FLV-150-AW-40K-D351	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50

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	131	129	127	124	116	105	94.6	82.8	70.8	60.1	50.8	42.2	34.0	27.4	22.9	20.1	20.2	9.96	
-75	250	252	255	246	227	205	186	165	141	116	95.1	75.0	56.1	40.2	29.0	22.7	20.6	10.0	
-70	557	540	514	470	413	371	333	295	251	209	167	127	90.8	59.5	37.3	24.5	19.6	6.37	
-65	932	911	866	785	650	539	465	403	346	290	231	176	126	81.4	47.8	27.4	19.9	6.63	
-60	1538	1544	1530	1479	1359	1090	831	671	568	471	385	296	216	150	89.8	46.1	24.9	11.1	
-55	1985	2007	2018	1997	1905	1677	1279	980	791	638	513	387	280	191	112	55.0	26.5	11.4	
-50	2455	2485	2511	2517	2473	2311	1949	1450	1117	864	672	493	344	217	117	49.6	23.1	6.96	
-45	2630	2669	2702	2727	2728	2656	2442	2035	1552	1175	865	636	425	260	136	55.5	23.3	6.87	
-40	2876	2908	2951	2998	3046	3069	3046	2903	2612	2140	1634	1162	782	447	230	102	32.7	11.4	
-35	3004	3045	3090	3146	3204	3245	3250	3196	3026	2693	2189	1604	1060	562	260	109	31.9	10.2	
-30	3193	3241	3298	3370	3441	3500	3533	3511	3425	3192	2717	2021	1280	572	222	79.0	17.1	3.67	
-25	3315	3362	3420	3497	3579	3657	3707	3718	3666	3485	3104	2418	1559	678	237	77.7	12.8	3.90	
-20	3500	3529	3583	3656	3746	3840	3930	4002	4025	3948	3718	3269	2409	1327	452	138	28.8	4.34	
-15	3642	3676	3725	3800	3898	4003	4108	4200	4243	4190	3970	3505	2649	1495	488	141	29.1	3.61	
-10	3880	3914	3980	4080	4195	4322	4442	4549	4595	4501	4207	3584	2523	1204	338	89.4	8.82	3.69	
-5	4047	4088	4161	4273	4399	4534	4672	4792	4844	4750	4434	3763	2643	1239	338	87.7	9.48	3.62	
0	4300	4338	4411	4532	4672	4827	4982	5128	5218	5198	4949	4406	3344	1958	626	159	32.6	2.74	
5	4495	4540	4627	4761	4925	5092	5261	5414	5507	5454	5165	4553	3396	1938	589	152	30.9	2.74	
10	4805	4882	5004	5183	5380	5581	5762	5901	5925	5742	5252	4331	2912	1241	332	87.5	11.1	3.46	
15	5007	5100	5249	5460	5678	5881	6074	6203	6190	5941	5362	4301	2822	1123	296	80.5	10.1	3.43	
20	5325	5425	5592	5810	6052	6275	6470	6620	6634	6405	5836	4863	3392	1543	439	128	27.5	2.72	
25	5666	5779	5955	6189	6414	6625	6826	6947	6893	6558	5858	4705	3160	1308	368	114	24.4	2.79	
30	6376	6515	6702	6905	7104	7290	7422	7380	7065	6400	5362	3829	2030	596	193	62.0	8.12	3.52	
35	6988	7118	7283	7474	7643	7778	7795	7606	7114	6273	5034	3464	1568	461	164	53.4	6.54	3.57	
40	7970	8107	8266	8438	8552	8574	8440	8047	7371	6391	5080	3526	1705	504	191	74.7	16.4	3.01	
45	8654	8802	8980	9125	9170	9028	8656	7989	7063	5890	4418	2904	1209	371	158	62.1	13.6	3.11	
50	9309	9494	9674	9704	9469	8928	8048	6954	5687	4209	2768	1325	415	185	86.4	29.2	3.63	3.77	
55	8874	9098	9237	9154	8763	8018	6970	5807	4525	3201	1929	797	290	145	68.0	22.5	3.12	3.83	
60	6306	6568	6750	6648	6141	5303	4377	3538	2681	1882	1081	486	225	124	64.5	25.6	5.69	3.43	
65	3663	3803	3817	3533	3008	2507	2103	1707	1344	941	551	289	157	88.8	45.7	18.0	4.13	3.56	
70	944	897	776	673	612	552	474	389	309	236	172	111	67.1	37.7	17.7	6.41	3.27	4.11	
75	430	422	387	354	327	295	255	213	173	136	98.5	64.3	39.4	22.0	10.6	3.98	3.46	4.18	
80	109	111	110	104	96.5	87.4	76.2	65.1	53.8	43.1	32.1	22.3	14.5	8.79	4.63	3.11	3.56	4.10	
85	41.9	42.5	42.0	39.8	36.7	32.7	28.5	24.3	20.1	16.0	11.9	8.27	5.35	4.07	3.47	3.44	3.85	4.32	
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:YANG
Test Date:2022-06-12

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.401m [K=1.0000]
Remarks: