

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	855.0 cd per klm.
(Luminaire orientation as tested.)	46.0 degrees vertical
	-4.0 degrees horizontal

Beam Spread	At 10% of Imax	132.1V x 145.5H
	At 50% of Imax	41.5V x 100.4H
	At 90% of Imax	14.6V x 48.4H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	929.3 lumens per klm.
	To 50% of Imax	396.9 lumens per klm.
	To 90% of Imax	92.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

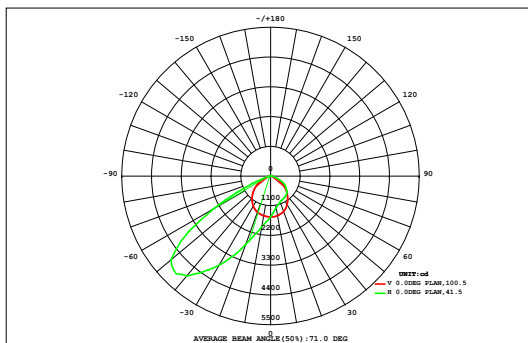
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-10

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-050-AW-40K-D382	TYPE: Flood light	WEIGHT: 1.88Kg
SPEC.: 50W	DIM.: 270*245*70 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 85*190 (MM)	Shielding Angle: P50-8



DATA OF LAMP		Eff:118.38lm/W	
MODEL	SMD 2835/LED	Imax (cd)	5030
NOMINAL POWER (W)	49.7	AVAILABILITY (%)	93.0
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	5471
NOMINAL FLUX (lm)	5883.55	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	5884
TEST VOLTAGE (V)	229.7	θ @50% (H,V)	100,42DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.02	0.04	0.06	0.10	0.15	0.19	0.21	0.22	0.21	0.17	0.13	0.08	0.05	0.02	0.01	0.00	1.68	0.00
90	0.00	0.03	0.14	0.41	0.84	1.58	2.77	4.19	5.03	5.06	4.42	3.06	1.79	0.97	0.49	0.19	0.05	0.01	31.0	0.00
80	0.01	0.11	0.64	1.92	4.15	8.99	19.0	31.8	37.7	37.0	31.3	19.0	8.82	4.03	1.84	0.62	0.12	0.01	207	167
70	0.01	0.22	1.39	4.63	11.3	26.6	58.3	95.7	113	112	98.5	66.0	31.1	12.7	4.98	1.57	0.30	0.02	639	618
60	0.02	0.46	2.65	8.68	21.9	49.0	92.8	134	150	148	132	92.4	48.5	21.3	7.96	2.32	0.42	0.02	912	898
50	0.02	0.55	3.24	10.4	24.9	49.6	84.4	116	130	129	118	91.5	54.9	27.8	11.5	3.59	0.68	0.04	857	845
40	0.04	0.83	4.35	12.5	26.2	45.7	70.1	89.3	97.9	96.9	88.4	69.3	44.9	25.3	11.6	3.84	0.73	0.04	688	677
30	0.04	0.81	4.24	11.6	22.5	35.8	50.6	62.3	67.8	67.6	62.5	52.1	37.6	23.9	12.4	4.65	1.00	0.06	517	506
20	0.06	1.04	4.73	11.7	20.9	31.1	41.0	47.9	51.0	50.6	47.0	40.1	30.4	20.2	11.0	4.25	0.91	0.05	414	402
10	0.04	0.87	4.11	10.1	17.8	26.0	33.4	38.2	40.6	40.5	38.2	33.5	26.6	18.5	10.6	4.47	1.07	0.07	345	331
0	0.05	0.96	4.08	9.47	16.0	22.7	28.2	31.6	33.2	33.0	31.0	27.3	22.1	15.6	8.98	3.75	0.86	0.05	289	273
-10	0.03	0.70	3.24	7.82	13.7	19.7	24.8	28.3	29.9	29.7	27.8	24.5	20.0	14.2	8.29	3.59	0.88	0.06	257	238
-20	0.04	0.66	2.91	6.95	12.3	18.0	23.1	26.7	28.6	28.3	26.1	22.5	17.7	12.0	6.64	2.74	0.62	0.03	236	212
-30	0.02	0.40	1.97	5.04	9.51	14.8	20.0	23.7	25.6	25.6	23.7	20.4	15.6	10.1	5.51	2.30	0.55	0.04	205	174
-40	0.02	0.30	1.41	3.54	6.81	11.2	15.9	19.1	20.5	20.5	19.1	15.9	11.2	6.73	3.51	1.41	0.31	0.02	157	114
-50	0.01	0.10	0.59	1.62	3.33	5.83	8.91	11.7	13.1	13.2	12.1	9.55	6.43	3.78	1.93	0.80	0.19	0.02	93.2	14.3
-60	0.01	0.05	0.19	0.55	1.14	2.02	3.11	4.07	4.61	4.64	4.13	3.18	2.09	1.22	0.62	0.25	0.07	0.01	31.9	0.00
-70	0.00	0.01	0.03	0.05	0.09	0.15	0.21	0.27	0.32	0.33	0.32	0.28	0.22	0.15	0.09	0.05	0.02	0.00	2.60	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
HORIZONTAL (DEG)																				
Φ t	0.43	8.12	39.9	107	213	369	577	765	850	843	765	591	380	219	108	40.4	8.78	0.53	5884	---
Φ a	0.00	0.00	3.42	63.7	184	344	555	744	829	822	745	570	356	189	64.0	3.18	0.00	0.00	---	5471

one-half-peak spread: U:26.0,D:15.9 , L:47.9,R:53.1

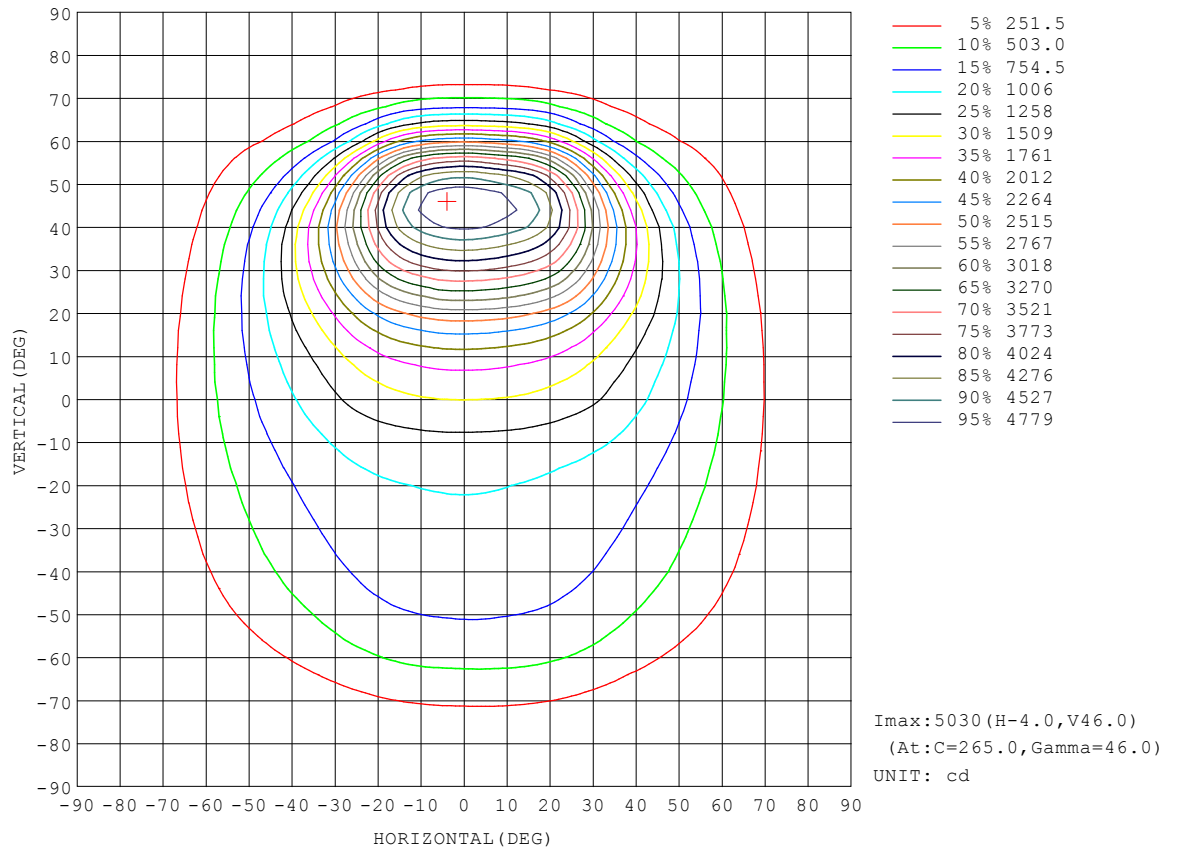
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-10

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-050-AW-40K-D382	TYPE: Flood light	WEIGHT: 1.88Kg
SPEC.: 50W	DIM.: 270*245*70 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 85*190 (MM)	Shielding Angle: P50-8

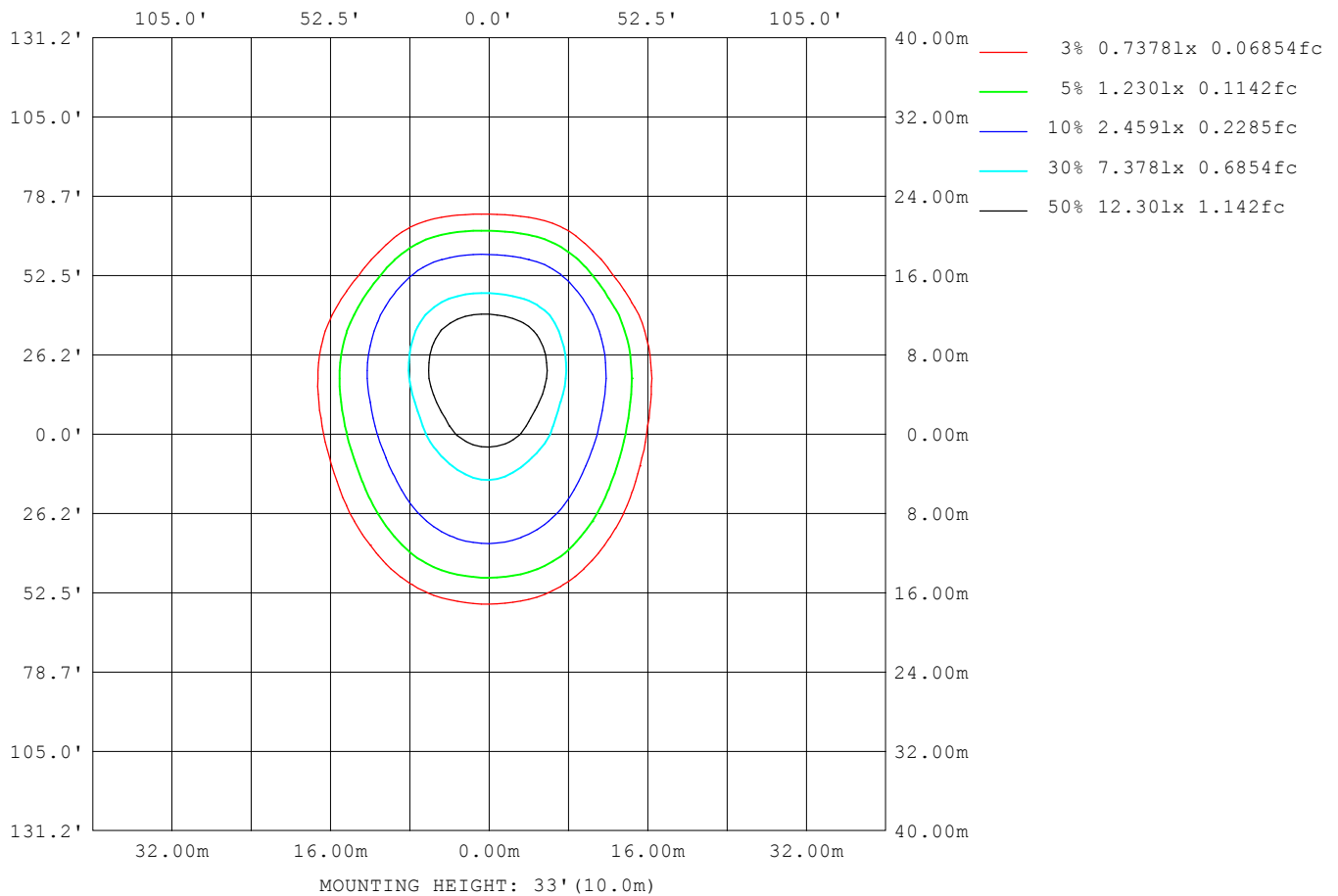


H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: YANG
Test Date: 2022-06-10

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

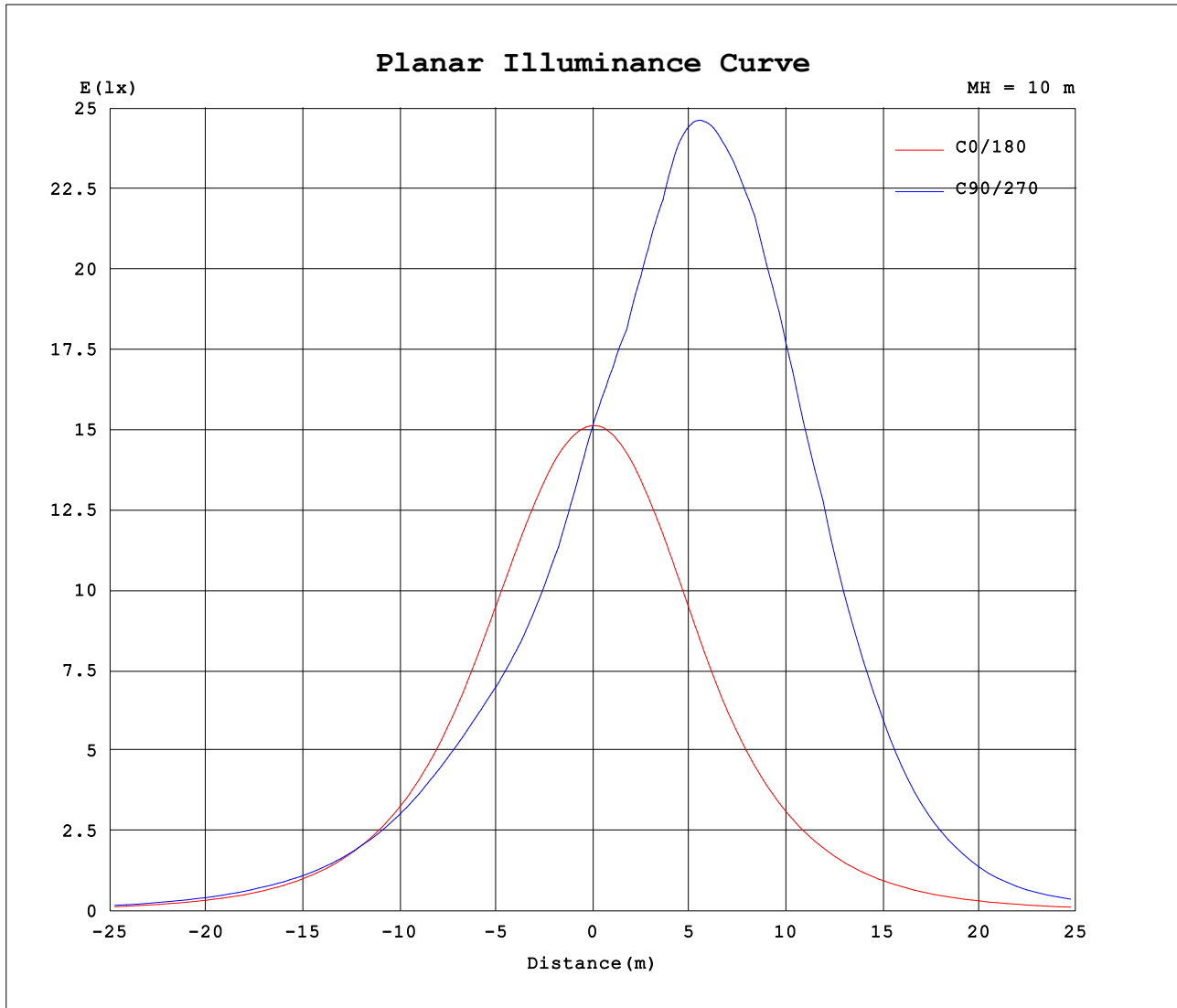
NAME: FLV-050-AW-40K-D382	TYPE: Flood light	WEIGHT: 1.88Kg
SPEC.: 50W	DIM.: 270*245*70 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 85*190 (MM)	Shielding Angle: P50-8



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-10

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

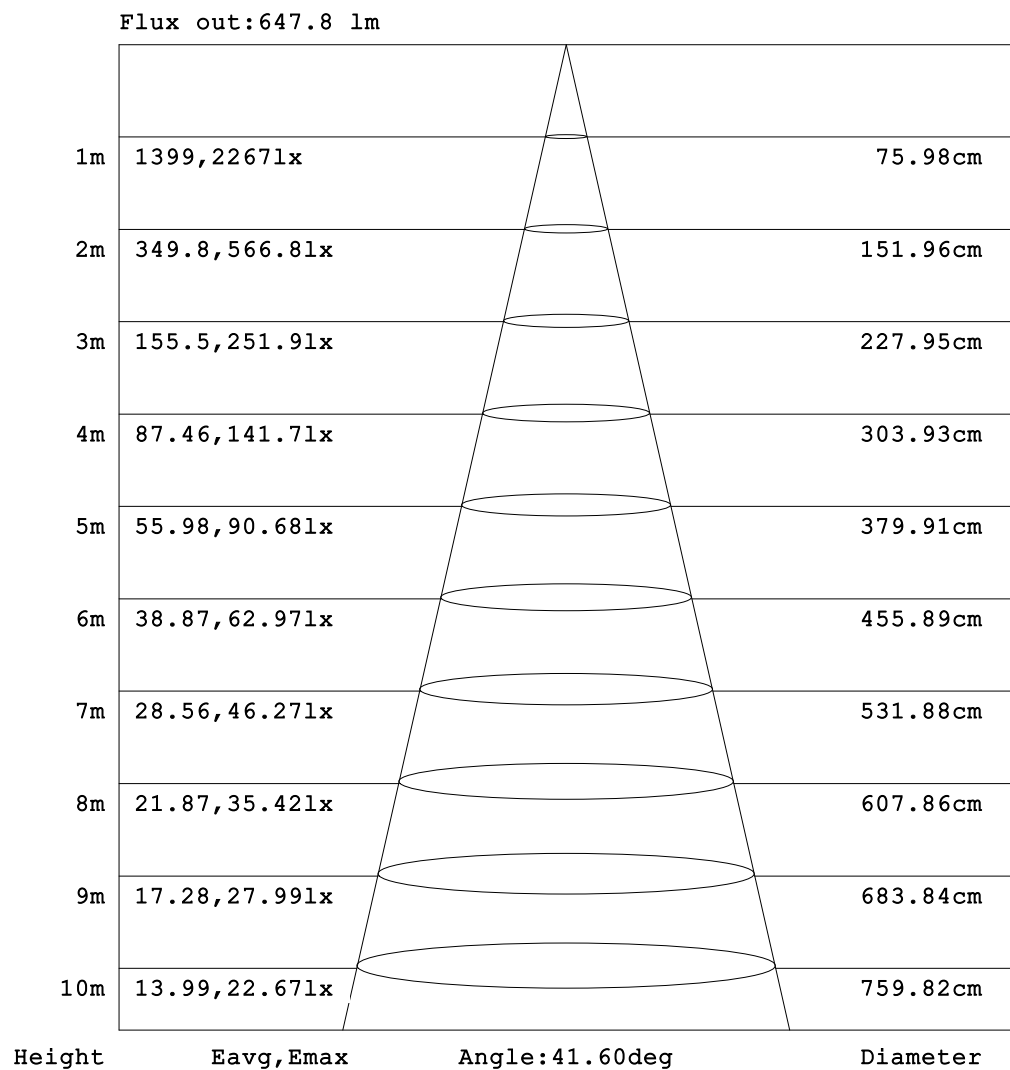


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-10

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-050-AW-40K-D382	TYPE: Flood light	WEIGHT: 1.88Kg
SPEC.: 50W	DIM.: 270*245*70 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 85*190 (MM)	Shielding Angle: P50-8



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: 2022-06-10

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-050-AW-40K-D382	TYPE: Flood light	WEIGHT: 1.88Kg
SPEC.: 50W	DIM.: 270*245*70 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 85*190 (MM)	Shielding Angle: P50-8

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	1.90	2.12	2.67	3.43	4.29	5.40	6.60	8.41	11.2	14.7	18.4	22.1	25.9	29.7	33.1	36.4	39.3	41.5	42.6
-75	1.19	1.86	3.03	4.42	6.37	9.66	14.9	21.5	29.5	38.4	49.0	60.6	72.8	86.3	99.1	109	116	122	124
-70	1.35	2.82	4.75	7.74	15.3	28.4	43.7	60.6	79.7	102	126	154	186	215	242	264	282	288	291
-65	1.36	2.56	5.54	12.9	28.3	48.5	69.1	92.9	121	153	188	229	272	313	351	381	400	406	410
-60	1.46	1.88	5.13	14.7	33.6	62.2	93.9	128	168	214	266	323	383	442	495	536	561	570	576
-55	1.59	2.09	7.28	20.4	47.4	83.6	125	169	218	274	336	402	470	537	589	625	645	654	660
-50	1.66	5.59	18.6	48.8	91.2	144	202	264	329	401	475	552	624	682	723	750	767	777	779
-45	1.69	6.70	23.6	59.9	110	170	235	308	384	462	538	614	682	737	777	808	827	838	839
-40	1.60	2.58	13.8	44.6	94.0	162	236	315	399	484	566	644	713	772	820	859	888	906	914
-35	1.54	2.79	16.0	52.0	108	182	264	350	439	527	610	686	753	810	857	893	921	937	942
-30	1.49	9.32	39.6	94.1	173	260	353	450	542	629	708	777	836	884	920	946	962	969	968
-25	1.35	10.4	44.9	105	189	283	381	482	577	665	742	811	868	911	943	965	977	982	980
-20	1.33	2.79	21.2	70.9	149	245	349	458	562	659	747	823	888	939	975	998	1012	1019	1022
-15	1.26	3.20	23.5	76.3	160	261	371	487	596	696	787	868	938	992	1029	1052	1067	1075	1079
-10	1.04	11.8	53.8	127	231	346	469	593	707	810	905	990	1063	1115	1147	1168	1183	1190	1188
-5	1.03	12.8	57.0	133	241	363	494	625	748	862	967	1064	1150	1212	1253	1281	1299	1306	1304
0	1.14	3.44	24.9	81.8	175	294	427	574	717	854	983	1106	1224	1327	1403	1454	1489	1508	1513
5	1.19	3.63	26.0	83.2	176	302	440	595	749	897	1037	1171	1302	1420	1511	1575	1617	1642	1648
10	0.98	11.8	53.6	127	242	382	540	712	884	1049	1208	1366	1525	1661	1764	1835	1880	1899	1896
15	1.02	12.0	53.3	125	239	384	548	733	923	1110	1296	1487	1683	1860	1994	2086	2144	2168	2162
20	1.15	3.16	20.9	70.0	151	279	432	618	827	1052	1283	1527	1791	2066	2307	2480	2592	2657	2674
25	1.16	3.18	20.2	66.8	143	268	425	615	839	1089	1359	1649	1972	2320	2641	2871	3012	3120	3137
30	1.04	8.53	38.2	92.5	183	328	497	720	983	1294	1664	2069	2524	3000	3387	3619	3742	3795	3784
35	1.06	8.07	35.1	85.6	169	308	474	691	964	1300	1703	2168	2689	3256	3723	3998	4144	4210	4197
40	1.04	2.28	12.2	42.5	92.6	178	315	481	704	999	1382	1882	2472	3135	3804	4321	4619	4773	4820
45	1.03	2.19	10.9	36.7	81.7	156	277	427	624	899	1263	1752	2375	3104	3865	4463	4812	4982	5025
50	0.98	4.47	16.7	45.5	91.2	168	276	408	583	842	1203	1734	2423	3206	3946	4467	4732	4832	4804
55	0.95	3.95	13.7	36.3	74.6	135	220	321	451	635	910	1313	1885	2581	3245	3743	3997	4103	4082
60	0.96	1.40	4.50	12.8	30.3	60.2	103	155	213	282	384	547	782	1135	1601	2022	2290	2417	2455
65	0.95	1.28	3.68	9.21	20.9	41.2	70.4	105	140	184	245	336	473	659	899	1146	1309	1383	1402
70	0.85	1.92	3.78	7.40	14.0	24.9	39.6	55.1	70.9	91.2	118	156	205	260	321	378	417	432	433
75	0.84	1.58	2.80	4.85	8.21	13.5	21.0	29.6	38.2	48.1	61.5	78.7	99.5	124	149	171	184	188	189
80	0.85	0.81	1.29	1.93	2.64	3.57	4.63	5.88	7.28	8.89	10.6	12.5	14.5	16.6	18.8	20.5	22.0	23.0	23.7
85	0.85	0.82	0.92	1.27	1.65	2.06	2.46	2.96	3.51	4.14	4.82	5.57	6.39	7.29	8.20	8.99	9.63	10.1	10.4
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:2022-06-10

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-050-AW-40K-D382	TYPE: Flood light	WEIGHT: 1.88Kg
SPEC.: 50W	DIM.: 270*245*70 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 85*190 (MM)	Shielding Angle: P50-8

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	43.0	42.4	41.3	39.1	36.5	33.2	29.5	25.6	21.9	18.4	15.2	12.4	9.98	7.98	6.30	4.76	2.88	1.74	
-75	124	122	118	111	101	88.0	75.0	62.8	51.2	41.0	32.3	24.6	18.0	12.9	8.96	5.84	3.06	1.79	
-70	289	277	260	236	208	177	147	121	98.0	77.7	59.7	44.6	30.6	18.4	11.2	5.30	2.11	2.36	
-65	408	397	372	339	300	257	213	176	143	113	87.2	66.0	46.0	26.7	14.7	6.42	2.19	2.66	
-60	576	570	559	532	491	438	377	316	258	210	165	128	94.5	62.4	34.2	16.0	5.49	2.01	
-55	659	652	641	619	581	526	457	387	320	261	209	162	118	78.0	43.5	19.1	6.33	2.08	
-50	770	758	738	707	662	600	523	446	371	303	237	178	124	76.0	38.2	13.7	2.81	3.28	
-45	829	812	787	755	712	653	580	502	422	344	271	204	142	86.5	43.9	15.1	2.86	2.99	
-40	909	892	867	836	799	754	696	626	545	461	374	293	215	145	83.0	37.8	11.1	1.74	
-35	936	919	895	864	827	784	730	661	582	496	405	318	236	159	89.9	40.8	11.6	1.47	
-30	956	936	910	879	843	799	741	668	584	493	397	304	215	134	67.8	23.0	3.21	1.04	
-25	971	953	928	899	867	826	769	698	615	521	420	322	228	142	70.9	23.7	3.11	0.80	
-20	1020	1010	991	965	936	903	858	796	718	627	526	418	312	212	123	55.8	14.2	0.69	
-15	1075	1066	1047	1020	988	950	901	835	753	658	551	436	325	221	127	56.9	14.3	0.63	
-10	1181	1168	1143	1108	1066	1013	943	856	756	644	523	397	279	174	87.2	29.9	4.27	0.61	
-5	1297	1282	1255	1215	1164	1095	1009	908	797	673	542	407	284	176	86.5	29.3	4.23	0.58	
0	1508	1494	1468	1427	1370	1291	1189	1072	945	810	664	514	374	247	141	62.8	15.9	0.51	
5	1641	1622	1589	1538	1468	1372	1254	1124	987	841	683	521	375	245	137	60.6	15.2	0.51	
10	1876	1838	1779	1697	1587	1445	1289	1132	967	793	613	443	298	175	85.8	29.4	4.59	0.57	
15	2138	2091	2015	1909	1759	1574	1382	1196	1007	811	616	437	289	166	80.6	27.1	4.29	0.60	
20	2658	2615	2539	2420	2242	1997	1723	1465	1222	986	756	543	367	225	120	54.0	13.8	0.72	
25	3115	3061	2968	2818	2580	2248	1895	1575	1273	1000	750	526	348	209	110	49.1	12.5	0.71	
30	3734	3650	3511	3249	2815	2327	1877	1489	1145	847	588	391	238	129	63.7	21.0	3.69	0.58	
35	4134	4033	3867	3552	3049	2476	1954	1512	1121	806	548	358	213	115	56.2	18.1	3.23	0.53	
40	4773	4671	4515	4223	3707	2999	2331	1758	1290	917	618	409	254	143	75.7	32.7	9.14	0.76	
45	4963	4848	4674	4329	3722	2954	2226	1629	1155	799	536	351	217	122	64.5	27.0	7.81	0.76	
50	4699	4550	4261	3701	2914	2150	1514	1046	711	485	324	207	122	66.6	31.1	10.9	2.29	0.56	
55	3967	3817	3525	3008	2326	1656	1125	768	526	368	252	164	96.8	52.8	23.9	8.88	1.95	0.57	
60	2410	2330	2194	1933	1529	1085	740	504	355	257	191	137	88.3	52.1	26.4	11.8	4.16	0.74	
65	1381	1344	1261	1099	855	621	436	308	225	168	127	92.6	61.1	36.0	18.4	8.86	3.40	0.74	
70	423	399	355	294	234	180	138	107	83.5	65.3	50.2	35.5	22.3	12.8	7.33	3.53	1.30	0.69	
75	186	178	163	140	114	91.3	72.6	57.1	45.5	36.3	27.8	19.7	13.0	8.31	4.96	2.76	1.17	0.69	
80	24.2	24.4	24.0	23.1	21.5	19.5	17.2	15.2	13.1	11.2	9.32	7.62	6.08	4.61	3.37	2.39	1.67	0.78	
85	10.6	10.7	10.6	10.1	9.48	8.65	7.74	6.88	6.05	5.29	4.58	3.94	3.35	2.76	2.27	1.81	1.30	0.82	
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:2022-06-10

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: