

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	984.5 cd per klm.
(Luminaire orientation as tested.)	44.0 degrees vertical
	-3.0 degrees horizontal

Beam Spread	At 10% of Imax	128.2V x 145.8H
	At 50% of Imax	37.4V x 97.4H
	At 90% of Imax	14.2V x 50.0H

Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	895.3 lumens per klm.
	To 50% of Imax	402.7 lumens per klm.
	To 90% of Imax	108.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

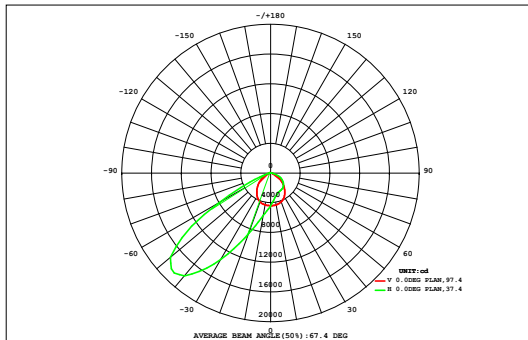
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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-D381	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50-8



DATA OF LAMP		Eff:125.79lm/W	
MODEL	SMD 2835/LED	Imax (cd)	18714
NOMINAL POWER (W)	151.1	AVAILABILITY (%)	89.5
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	17015
NOMINAL FLUX (lm)	19007.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	19007
TEST VOLTAGE (V)	230	θ @50% (H,V)	97,37DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.05	0.16	0.38	0.74	1.21	1.67	1.90	1.93	1.73	1.33	0.92	0.59	0.36	0.21	0.12	0.04	13.3	0.00
90	0.01	0.10	0.60	1.90	4.11	7.93	13.5	19.0	21.8	21.3	17.6	12.1	7.09	3.73	1.73	0.55	0.09	0.01	133	0.00
80	0.01	0.38	2.31	6.81	14.3	29.8	63.0	104	123	120	97.6	54.6	25.8	12.6	6.08	2.06	0.34	0.01	663	496
70	0.03	0.87	5.00	14.8	34.2	87.8	220	358	408	398	336	187	73.9	29.8	12.8	4.32	0.79	0.03	2170	2077
60	0.06	1.44	7.84	23.8	62.0	164	352	505	559	551	488	312	140	54.0	20.5	6.73	1.31	0.05	3249	3181
50	0.09	1.99	10.3	30.9	79.4	179	325	434	479	477	431	305	161	70.7	27.1	8.96	1.81	0.08	3022	2964
40	0.11	2.46	12.0	33.9	78.1	148	235	299	328	328	299	227	138	72.0	30.5	10.6	2.25	0.10	2244	2187
30	0.13	2.81	12.8	33.6	68.7	114	164	198	214	213	196	159	109	65.2	30.9	11.6	2.58	0.12	1596	1536
20	0.14	2.99	12.8	31.5	59.0	91.1	122	142	152	151	141	120	88.9	57.1	29.6	11.8	2.76	0.13	1216	1150
10	0.14	2.96	12.2	28.7	51.4	76.4	97.8	111	117	117	110	96.6	74.8	50.0	27.3	11.4	2.76	0.13	987	910
0	0.12	2.74	11.1	25.5	44.4	63.8	79.7	89.4	94.0	93.7	88.2	78.4	63.2	43.8	24.7	10.6	2.58	0.12	816	723
-10	0.10	2.38	9.70	22.2	38.8	56.0	70.0	79.2	83.7	83.3	78.0	69.4	56.2	38.7	21.7	9.38	2.27	0.10	721	608
-20	0.08	1.90	8.07	18.8	33.8	50.2	64.4	74.6	80.2	80.1	74.6	65.1	51.0	33.9	18.6	7.92	1.85	0.08	665	529
-30	0.06	1.38	6.21	14.9	27.6	43.3	58.1	68.3	73.8	74.2	69.5	59.7	44.2	27.6	14.8	6.16	1.38	0.06	591	427
-40	0.03	0.85	4.19	10.3	19.5	32.5	47.0	57.3	61.9	62.6	58.9	48.5	32.8	19.5	10.3	4.19	0.87	0.04	471	226
-50	0.02	0.39	2.14	5.54	11.1	19.4	29.9	39.3	44.1	44.9	40.5	30.5	19.5	11.2	5.60	2.16	0.41	0.03	307	0.00
-60	0.01	0.11	0.64	1.91	4.19	7.80	12.7	17.1	19.3	19.5	17.2	12.8	7.95	4.28	1.97	0.68	0.14	0.02	128	0.00
-70	0.01	0.02	0.06	0.19	0.44	0.88	1.44	1.96	2.09	2.08	1.96	1.47	0.93	0.47	0.22	0.09	0.03	0.01	14.4	0.00
-80	0.01	0.02	0.06	0.19	0.44	0.88	1.44	1.96	2.09	2.08	1.96	1.47	0.93	0.47	0.22	0.09	0.03	0.01	14.4	0.00
-90	0.01	0.02	0.06	0.19	0.44	0.88	1.44	1.96	2.09	2.08	1.96	1.47	0.93	0.47	0.22	0.09	0.03	0.01	14.4	0.00
HORIZONTAL (DEG)																				
Φ t	1.17	25.8	118	305	631	1173	1956	2599	2861	2839	2547	1839	1096	595	285	109	24.4	1.18	19007	---
Φ a	0.00	0.00	0.00	80.6	462	1036	1844	2494	2753	2734	2447	1730	962	421	50.3	0.00	0.00	0.00	---	17015

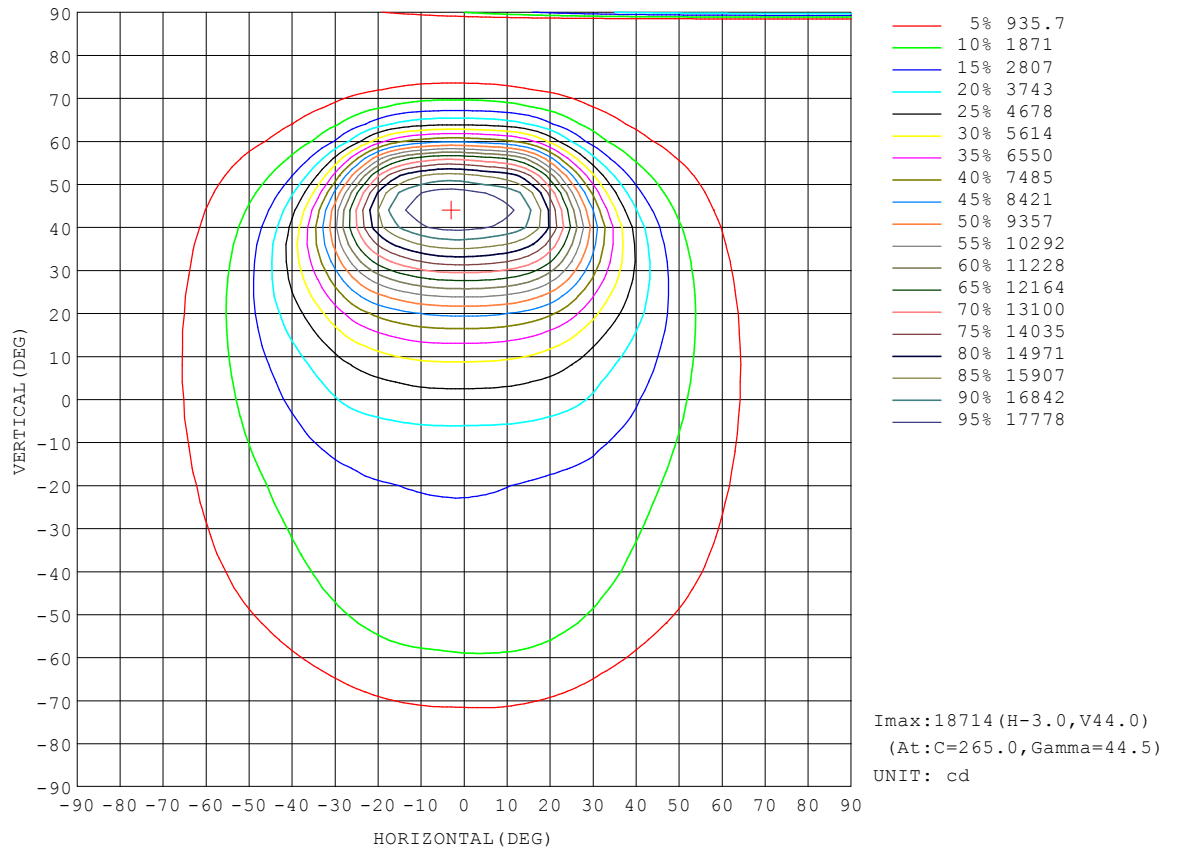
one-half-peak spread: U:22.6,D:15.0 , L:47.5,R:47.5 Beam Type: Type 7 x 6 (H x V)

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-D381	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50-8

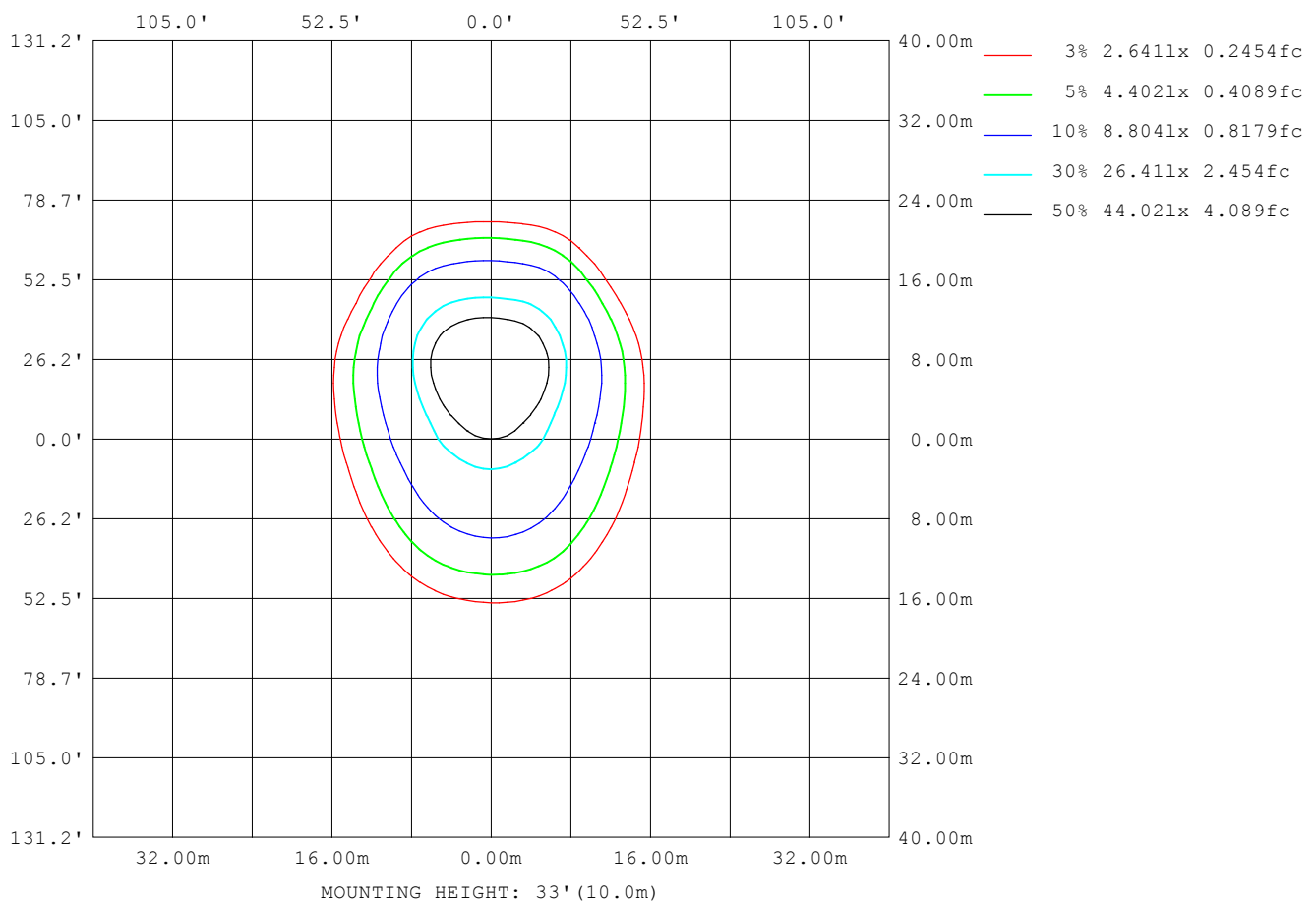


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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

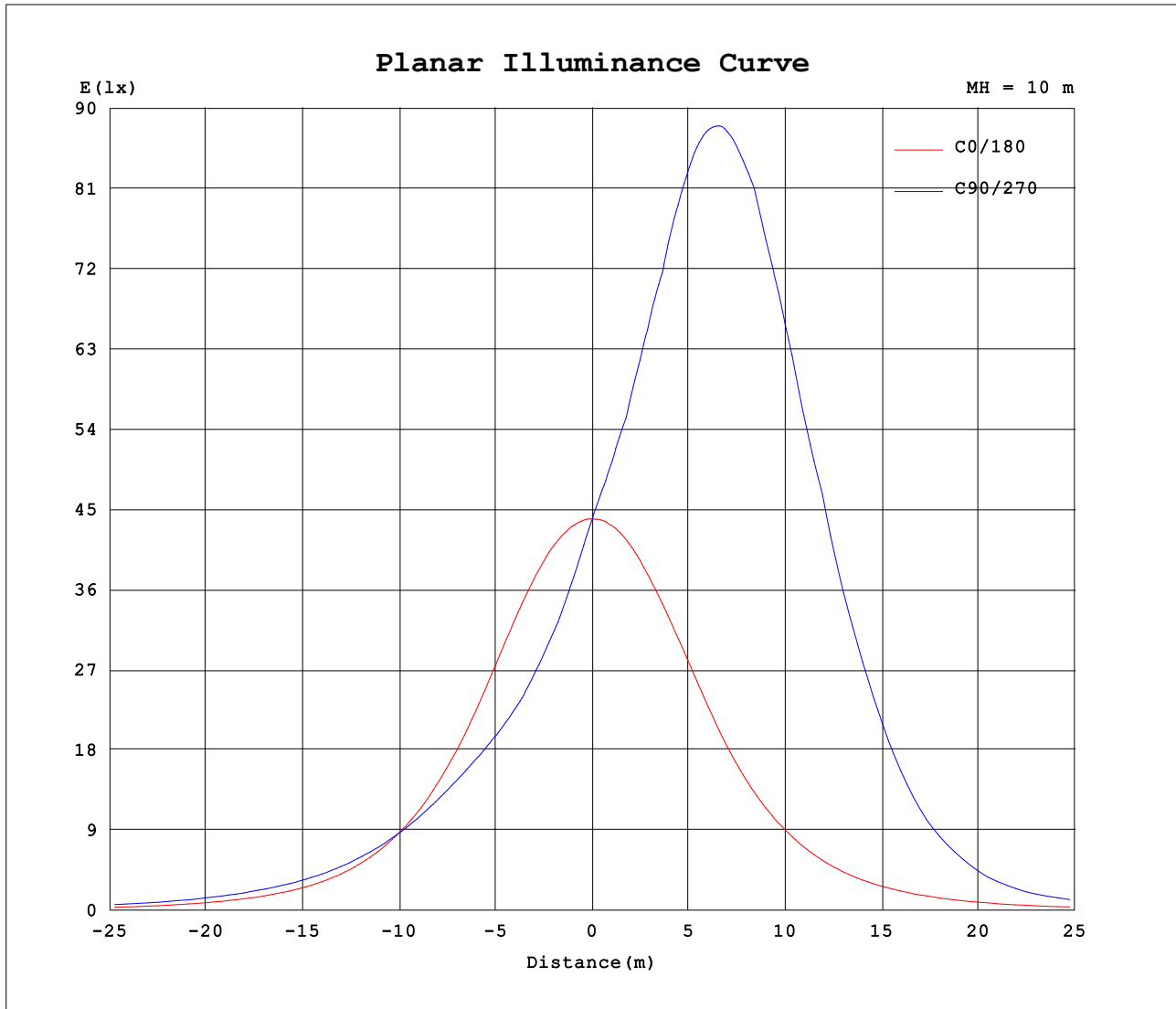
NAME: FLV-150-AW-40K-D381	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50-8



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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

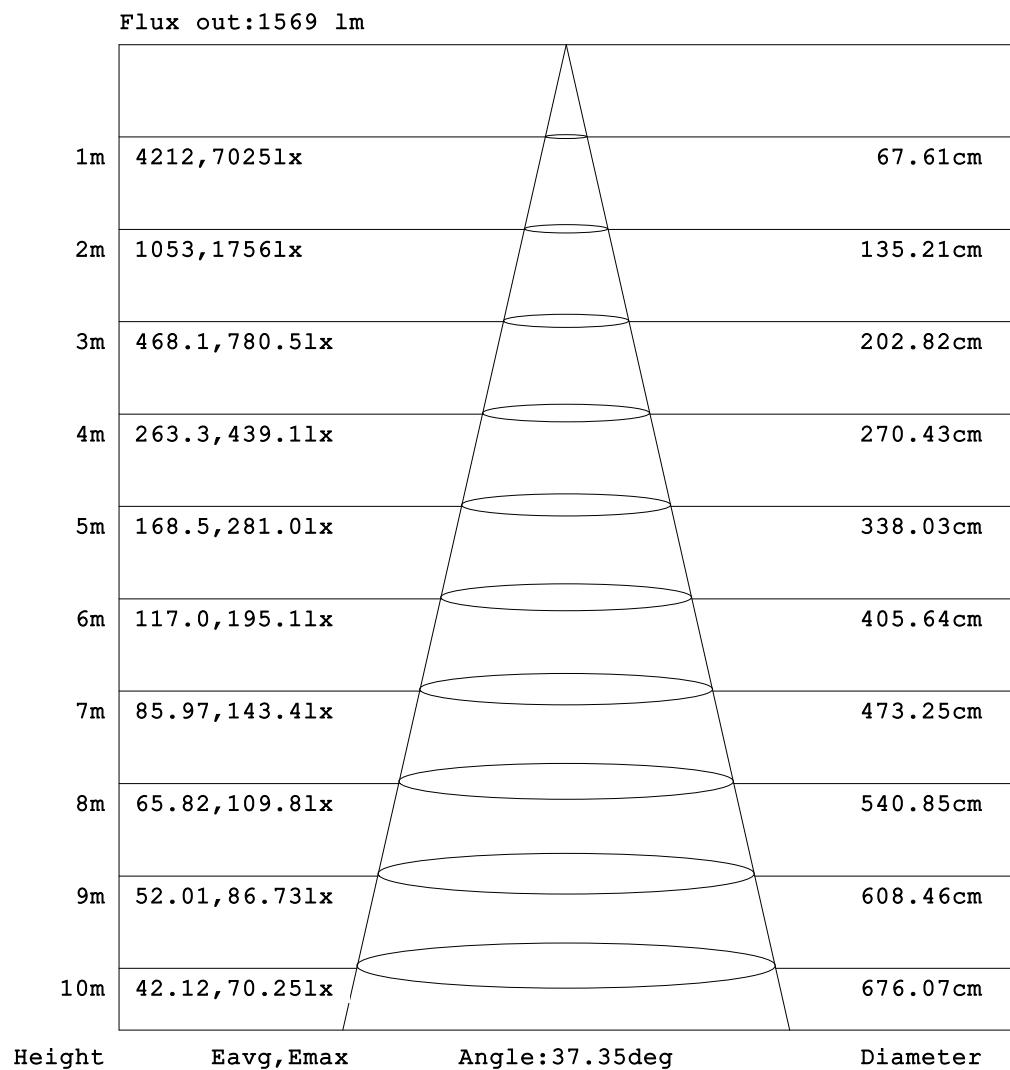


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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-D381	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50-8



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

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

V(B) Range: -85 - 85 DEG  
V(B) Interval: 2.0 DEG  
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-D381	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50-8

Table--1

UNIT: X10cd

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	0.34	0.39	0.42	0.61	0.91	1.50	2.45	3.74	5.25	7.06	9.28	12.3	15.5	18.3	21.2	23.6	24.6	24.6	24.4
-75	0.36	0.41	0.56	1.00	2.11	3.88	6.12	8.91	12.2	16.2	21.1	26.8	33.0	40.0	45.9	50.4	53.0	54.2	54.5
-70	0.40	0.44	0.82	2.20	5.05	9.18	14.0	19.5	25.9	33.4	42.1	52.0	64.1	75.8	86.8	96.3	104	107	109
-65	0.43	0.50	1.15	3.73	8.34	14.7	21.2	28.6	37.3	47.4	58.8	72.2	86.6	101	116	127	135	139	141
-60	0.48	0.58	1.89	6.39	13.9	23.7	33.7	43.9	56.0	70.1	86.2	104	123	142	158	170	176	179	182
-55	0.52	0.67	2.75	8.78	18.5	30.4	42.6	55.4	69.8	86.2	105	125	147	166	181	191	197	200	202
-50	0.55	0.76	3.90	12.3	24.5	39.2	54.5	71.3	89.6	109	131	154	177	195	209	218	224	227	230
-45	0.56	0.84	5.13	15.1	29.4	46.0	63.1	81.9	103	125	148	171	192	209	221	230	237	241	243
-40	0.55	0.90	6.32	18.6	34.8	54.1	74.1	95.7	119	143	167	189	209	224	235	245	253	257	259
-35	0.53	0.98	7.60	21.2	39.8	60.3	81.9	105	130	155	178	200	218	232	243	253	260	264	266
-30	0.49	0.99	8.71	24.2	44.8	67.2	90.9	116	142	168	192	213	230	243	253	262	268	270	271
-25	0.45	1.11	10.0	27.0	49.4	72.9	97.9	125	152	178	202	222	239	252	261	268	272	275	275
-20	0.38	1.12	10.8	29.2	53.3	78.7	106	134	164	192	216	238	255	267	276	281	285	286	287
-15	0.35	1.35	11.9	31.2	56.8	83.8	112	143	174	203	229	252	270	283	294	299	303	305	305
-10	0.32	1.42	12.6	32.5	59.1	88.2	120	154	188	221	252	279	302	317	326	332	337	339	339
-5	0.31	1.60	13.3	33.8	61.9	92.4	125	161	198	235	268	301	329	347	358	366	372	374	374
0	0.31	1.57	13.3	33.9	62.3	94.8	132	171	213	256	296	335	370	397	415	427	436	439	440
5	0.31	1.77	13.5	34.3	63.7	97.5	135	177	223	269	315	358	399	432	454	470	481	485	486
10	0.30	1.56	12.9	33.0	61.7	96.9	138	184	238	293	347	400	455	502	534	557	573	579	580
15	0.30	1.70	12.6	32.3	61.4	97.5	139	188	247	314	378	444	514	574	617	647	668	676	677
20	0.30	1.57	11.2	29.7	56.5	93.7	137	192	259	339	425	516	615	706	771	814	845	860	863
25	0.30	1.54	10.8	28.6	54.9	91.8	135	191	263	358	461	574	701	823	915	973	1012	1033	1038
30	0.29	1.23	9.15	24.9	48.2	84.1	127	184	261	368	502	655	834	1017	1160	1246	1301	1331	1339
35	0.29	1.16	8.52	22.9	45.5	79.1	121	175	252	366	519	708	927	1156	1334	1437	1502	1537	1544
40	0.29	0.91	6.74	19.1	38.1	67.2	105	154	225	330	493	722	1011	1309	1551	1688	1763	1802	1804
45	0.28	0.82	5.92	16.7	34.3	60.3	94.8	137	198	290	442	675	984	1317	1590	1750	1830	1870	1866
50	0.28	0.57	4.12	12.6	26.0	46.9	74.7	107	151	215	320	502	790	1132	1441	1640	1730	1771	1762
55	0.27	0.50	3.28	10.1	21.7	39.2	62.2	87.7	120	165	237	368	586	876	1161	1349	1437	1479	1471
60	0.27	0.35	1.90	6.37	14.1	26.2	41.6	58.4	76.4	99.9	137	192	285	432	605	727	789	819	819
65	0.26	0.29	1.31	4.43	10.0	18.7	30.0	42.0	54.6	70.9	93.6	127	176	245	327	394	430	445	446
70	0.26	0.23	0.69	1.99	4.75	8.89	14.8	21.3	27.7	35.9	46.7	60.1	77.3	96.2	116	134	146	153	154
75	0.25	0.23	0.47	1.13	2.60	5.00	8.27	12.2	16.4	21.2	27.6	35.6	44.6	54.7	64.8	72.9	78.2	80.6	80.7
80	0.25	0.23	0.22	0.40	0.70	1.15	1.95	3.03	4.38	5.98	7.91	10.2	12.6	15.1	17.4	19.6	20.8	21.2	21.2
85	0.25	0.24	0.23	0.26	0.32	0.47	0.77	1.13	1.58	2.12	2.79	3.58	4.46	5.38	6.19	6.93	7.39	7.50	7.48
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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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-D381	TYPE: Flood light	WEIGHT: 3.8Kg
SPEC.: 150W	DIM.: 420*340 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 190*245 (MM)	Shielding Angle: P50-8

Table--2

UNIT: X10cd

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	24.7	24.4	23.5	21.3	18.5	15.8	12.9	9.81	7.44	5.63	4.06	2.77	1.82	1.19	0.86	0.65	0.60	0.39	
-75	54.9	53.5	50.4	45.8	40.3	33.5	27.1	21.5	16.6	12.5	9.12	6.34	4.07	2.37	1.27	0.79	0.62	0.41	
-70	110	107	98.0	88.0	76.8	65.0	53.0	42.6	34.1	26.3	20.0	14.3	9.58	5.55	2.64	1.13	0.67	0.45	
-65	142	139	131	118	103	87.1	72.0	58.7	47.8	37.6	28.8	21.3	14.8	8.52	4.01	1.43	0.72	0.48	
-60	182	181	176	163	146	125	104	86.0	70.9	57.1	44.4	33.6	23.8	14.4	6.90	2.36	0.84	0.52	
-55	202	200	197	187	171	149	125	104	85.5	69.8	55.1	42.2	30.1	18.4	8.97	3.03	0.90	0.55	
-50	230	227	223	216	202	182	157	132	109	89.6	71.9	55.0	39.7	24.9	12.8	4.54	1.03	0.55	
-45	243	240	235	227	215	197	174	148	124	102	81.0	62.4	45.1	28.6	15.0	5.34	1.05	0.52	
-40	258	254	248	240	229	214	194	170	144	119	95.6	74.0	54.0	34.9	18.7	6.99	1.09	0.44	
-35	264	260	253	245	235	221	203	180	154	128	103	80.2	58.7	38.1	20.5	7.63	1.02	0.37	
-30	269	265	259	252	244	232	216	195	169	142	115	89.9	66.3	44.1	23.8	9.13	1.03	0.30	
-25	273	269	263	257	250	239	223	203	177	149	121	94.7	69.9	46.7	25.2	9.57	0.97	0.26	
-20	286	282	276	270	263	253	237	217	191	161	132	103	76.4	51.6	28.4	10.9	1.15	0.21	
-15	304	301	295	287	280	268	251	229	201	170	138	107	79.0	53.1	29.1	11.1	1.18	0.19	
-10	338	335	329	321	311	296	272	246	216	182	147	115	84.1	56.7	31.3	12.2	1.60	0.18	
-5	373	371	365	355	342	321	294	264	229	191	153	117	85.7	57.1	31.3	12.2	1.55	0.17	
0	438	435	428	415	394	365	329	289	248	203	161	123	88.7	58.9	32.3	12.6	1.70	0.17	
5	484	479	469	452	426	390	349	307	261	212	166	125	88.8	58.0	31.5	12.1	1.57	0.17	
10	577	569	552	527	490	441	389	339	281	224	171	127	89.4	57.6	31.2	12.1	1.62	0.17	
15	674	663	641	606	555	490	425	363	297	231	173	126	87.3	55.1	29.6	11.3	1.43	0.17	
20	860	844	814	764	684	586	490	405	321	238	174	124	84.8	52.5	28.2	10.8	1.39	0.17	
25	1034	1014	974	901	790	658	535	428	328	239	171	119	80.6	48.6	26.0	9.71	1.18	0.18	
30	1331	1307	1253	1145	975	781	607	461	336	233	164	112	74.7	44.3	23.4	8.76	1.07	0.18	
35	1529	1499	1435	1299	1084	844	634	461	325	222	153	104	67.6	39.9	21.0	7.57	0.91	0.19	
40	1784	1748	1669	1482	1199	902	638	437	294	196	134	91.5	58.6	34.7	18.0	6.38	0.80	0.19	
45	1837	1799	1701	1475	1156	843	573	380	254	171	117	80.6	51.1	30.0	15.3	5.19	0.65	0.19	
50	1727	1689	1569	1305	976	667	430	277	187	130	92.9	64.4	41.1	23.8	11.8	3.87	0.50	0.20	
55	1434	1394	1270	1022	736	483	309	205	143	103	75.5	52.7	33.6	19.2	9.18	2.87	0.36	0.20	
60	795	762	685	536	366	239	165	119	88.1	68.1	52.0	36.7	23.1	13.0	6.03	1.75	0.26	0.20	
65	437	416	369	291	212	151	110	81.3	62.4	48.6	37.3	26.4	16.5	9.00	4.03	1.13	0.21	0.21	
70	149	138	123	104	85.8	68.6	53.4	41.9	32.6	25.2	19.4	13.4	8.26	4.43	1.85	0.61	0.19	0.22	
75	78.6	74.2	67.4	58.7	49.0	39.9	31.7	24.8	19.3	14.9	11.1	7.47	4.51	2.33	1.01	0.38	0.20	0.22	
80	20.9	20.0	18.5	16.2	13.9	11.6	9.30	7.24	5.51	4.07	2.82	1.82	1.06	0.62	0.33	0.22	0.22	0.24	
85	7.41	7.15	6.59	5.82	4.96	4.09	3.27	2.55	1.95	1.45	1.03	0.70	0.44	0.32	0.26	0.24	0.24	0.25	
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( $\beta$ ) Range:-90 - 90DEG

H( $\beta$ ) 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: