

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1113.4 cd per klm.
(Luminaire orientation as tested.)	44.0 degrees vertical
	1.0 degrees horizontal

Beam Spread	At 10% of Imax	122.4V x 145.1H
	At 50% of Imax	34.1V x 91.5H
	At 90% of Imax	13.8V x 47.8H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	861.3 lumens per klm.
	To 50% of Imax	410.9 lumens per klm.
	To 90% of Imax	119.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

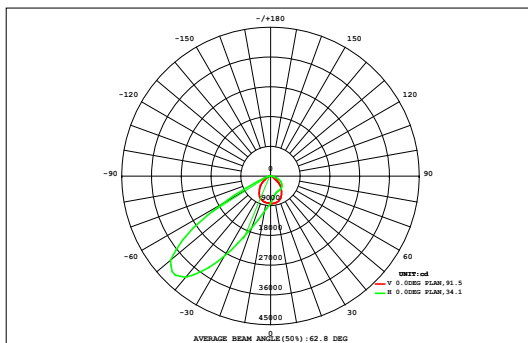
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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-300-AW-40K-D381	TYPE: Flood light	WEIGHT: 7.5Kg
SPEC.: 300W	DIM.: 500*432*75(MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 300*245(MM)	Shielding Angle: P50-8



DATA OF LAMP		Eff:129.78lm/W	
MODEL	SMD 2835/LED	Imax(cd)	41587
NOMINAL POWER(W)	287.8	AVAILABILITY(%)	86.2
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	32190
NOMINAL FLUX(lm)	37350.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	37350
TEST VOLTAGE(V)	230.1	θ @50%(H,V)	92,34DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.04	0.13	0.35	0.71	1.29	2.13	3.00	3.54	3.62	3.17	2.33	1.46	0.83	0.42	0.17	0.05	0.01	23.3	0.00
90	0.01	0.04	0.13	0.35	0.71	1.29	2.13	3.00	3.54	3.62	3.17	2.33	1.46	0.83	0.42	0.17	0.05	0.01	23.3	0.00
80	0.02	0.26	1.25	3.39	6.71	12.4	21.5	31.3	38.5	39.2	33.4	23.7	14.0	7.69	3.99	1.55	0.36	0.03	239	0.00
70	0.05	0.85	4.16	11.0	21.2	41.4	93.3	175	222	225	186	102	44.4	22.2	11.5	4.43	0.96	0.06	1166	796
60	0.09	1.65	8.04	21.8	45.7	123	377	727	876	886	770	435	143	49.2	22.5	8.62	1.93	0.12	4497	4276
50	0.15	2.73	12.5	33.8	88.6	284	706	1092	1233	1235	1120	744	296	90.1	32.9	12.3	2.81	0.17	6986	6811
40	0.19	3.49	15.6	42.2	118	321	653	925	1035	1033	938	688	339	127	43.6	16.3	3.92	0.25	6302	6146
30	0.27	4.45	18.7	48.9	126	267	450	595	656	645	581	443	259	124	48.1	18.5	4.51	0.28	4291	4131
20	0.27	4.80	19.7	49.0	111	199	302	373	404	397	363	295	198	114	50.7	20.6	5.32	0.35	2905	2733
10	0.33	5.36	20.8	48.8	98.6	160	226	267	284	280	260	220	159	98.0	48.3	20.6	5.35	0.33	2203	2008
0	0.29	5.05	19.7	44.9	85.7	134	181	209	220	218	206	179	137	88.8	46.8	20.6	5.59	0.37	1803	1571
-10	0.29	4.93	18.7	41.9	76.7	114	147	165	173	171	160	140	113	77.1	42.2	18.8	4.98	0.30	1470	1171
-20	0.21	4.09	16.2	36.8	67.3	101	129	148	156	154	143	126	102	70.3	38.8	17.3	4.61	0.29	1315	943
-30	0.18	3.51	14.0	32.5	59.7	92.3	121	142	152	151	139	121	94.3	61.5	33.2	14.3	3.61	0.19	1236	812
-40	0.11	2.47	10.7	25.7	48.2	78.6	110	133	144	143	133	113	83.9	51.5	27.3	11.5	2.83	0.15	1119	635
-50	0.08	1.68	7.62	18.4	34.9	59.0	89.6	114	124	124	115	93.1	62.4	36.1	18.7	7.74	1.72	0.08	908	157
-60	0.04	0.78	3.95	10.0	20.1	35.2	56.5	78.7	91.0	91.4	82.1	61.2	38.6	21.7	10.8	4.33	0.94	0.06	607	0.00
-70	0.03	0.29	1.36	3.68	7.68	14.3	23.8	33.2	38.3	38.5	34.5	25.3	15.4	8.13	3.86	1.45	0.32	0.03	250	0.00
-80	0.01	0.05	0.16	0.41	0.84	1.60	2.64	3.64	3.94	3.95	3.86	2.99	1.92	1.00	0.51	0.21	0.07	0.02	27.8	0.00
-90	0.01	0.05	0.16	0.41	0.84	1.60	2.64	3.64	3.94	3.95	3.86	2.99	1.92	1.00	0.51	0.21	0.07	0.02	27.8	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.62	46.5	193	474	1018	2039	3692	5216	5856	5839	5272	3816	2102	1049	484	199	49.9	3.09	37350	---
Φ a	0.00	0.00	0.00	0.00	483	1601	3353	4935	5592	5575	4991	3486	1656	518	0.81	0.00	0.00	0.00	---	32190

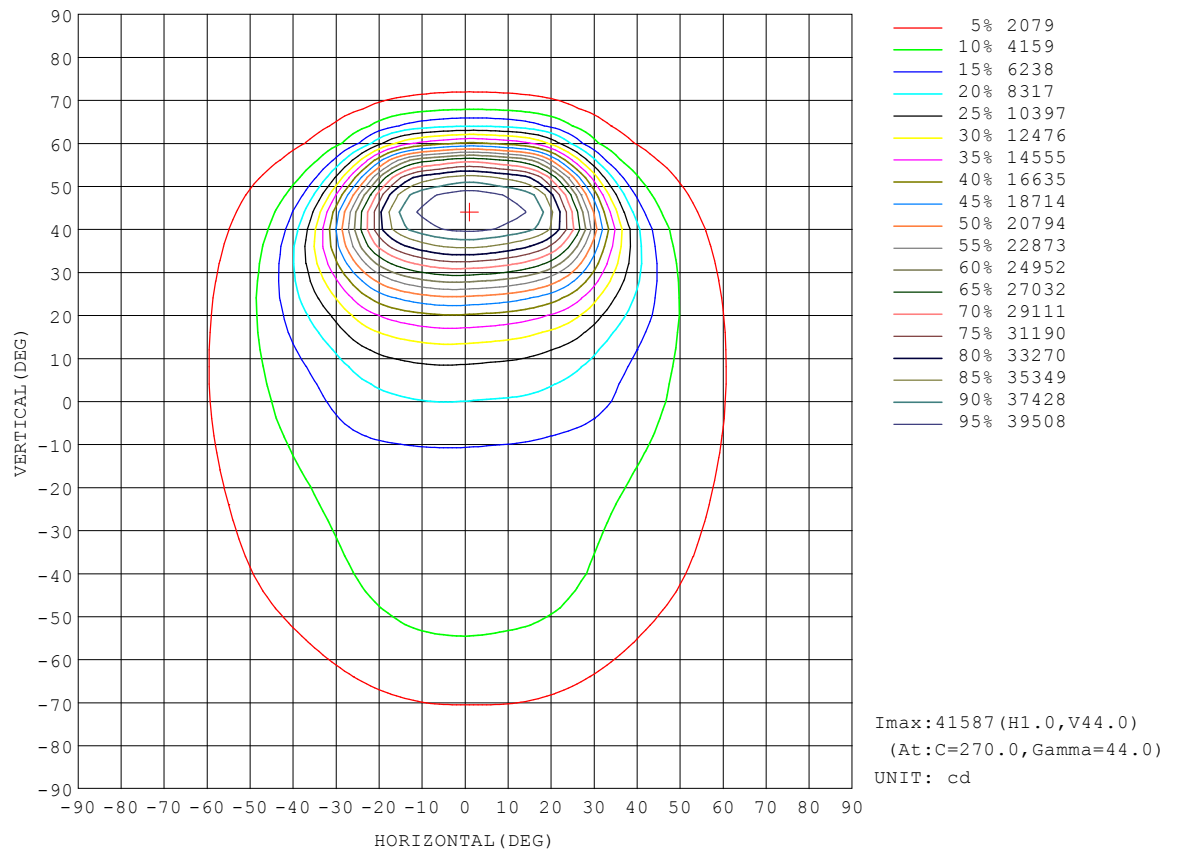
one-half-peak spread: U:19.7,D:14.7 , L:40.1,R:51.2, Beam Type: Type 7 x 6 (H x V)

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-300-AW-40K-D381	TYPE: Flood light	WEIGHT: 7.5Kg
SPEC.: 300W	DIM.: 500*432*75(MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 300*245(MM)	Shielding Angle: P50-8

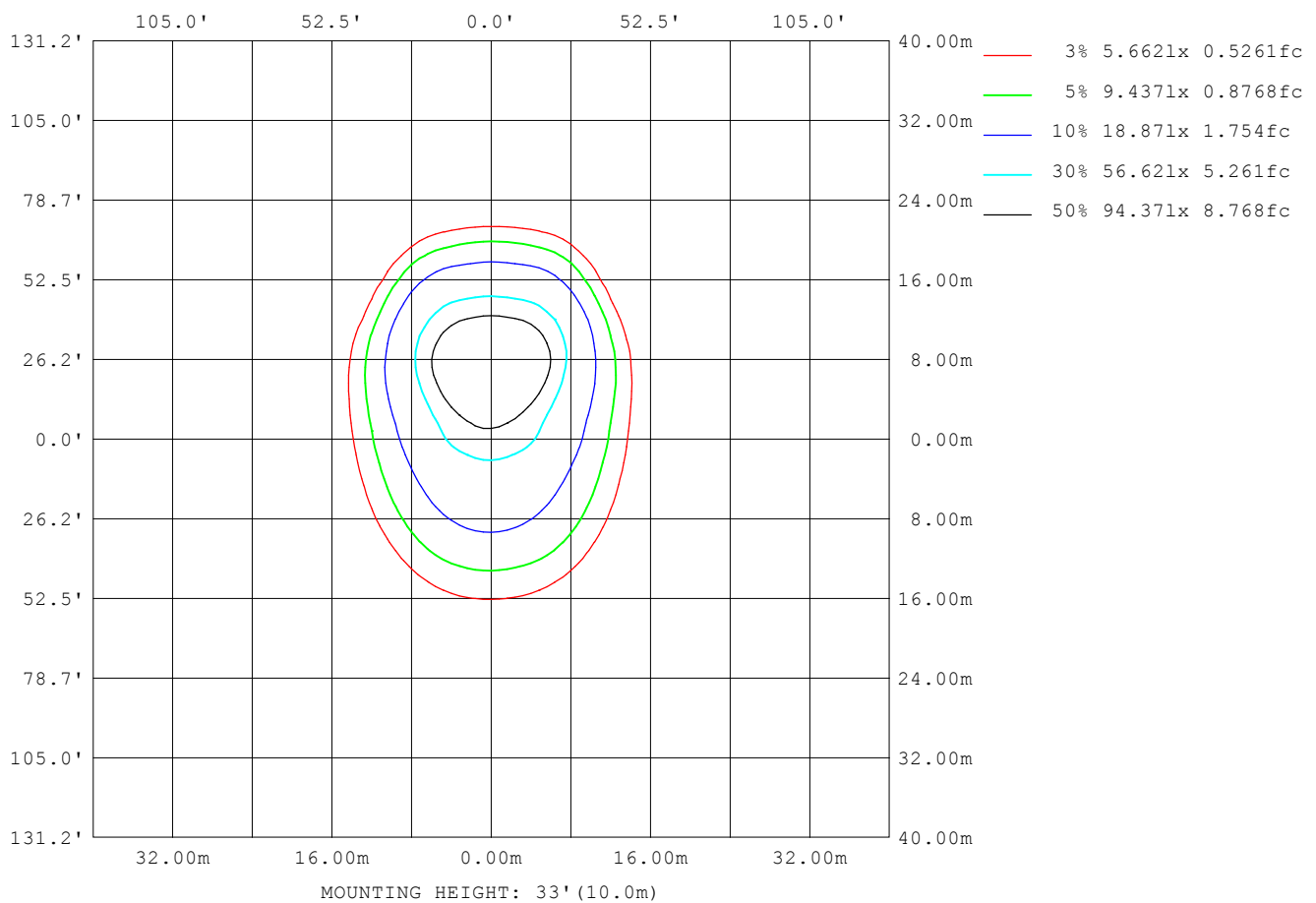


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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

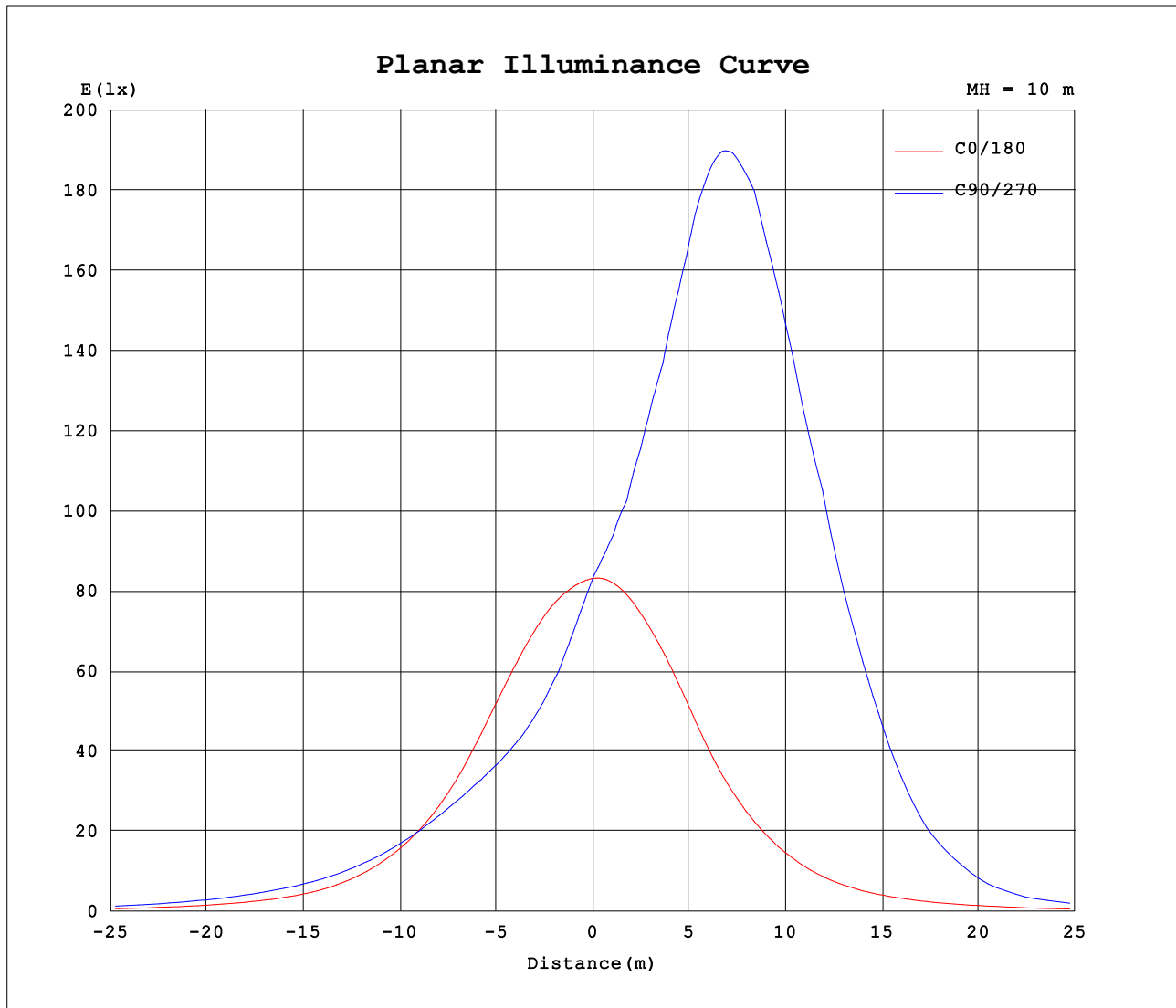
NAME: FLV-300-AW-40K-D381	TYPE: Flood light	WEIGHT: 7.5Kg
SPEC.: 300W	DIM.: 500*432*75(MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 300*245(MM)	Shielding Angle: P50-8



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

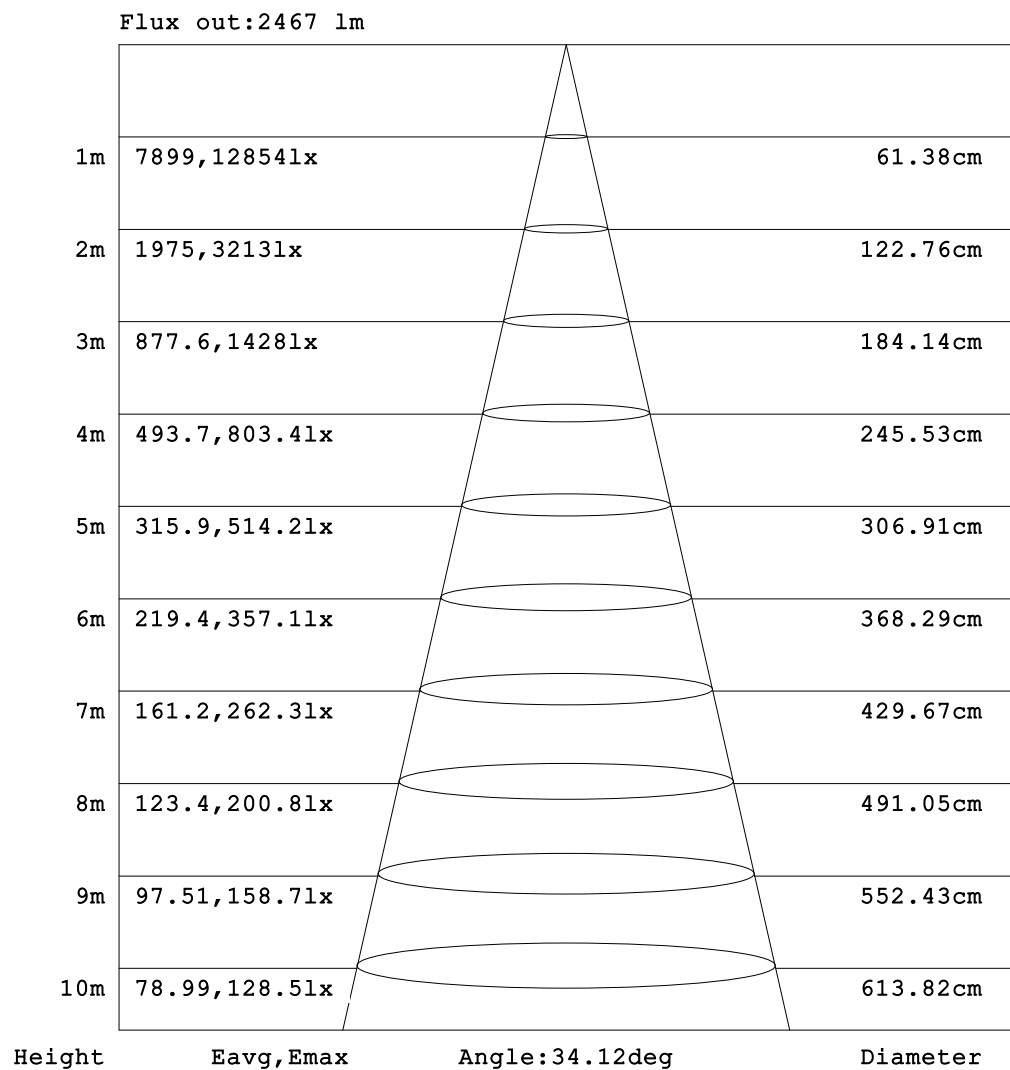


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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-300-AW-40K-D381	TYPE: Flood light	WEIGHT: 7.5Kg
SPEC.: 300W	DIM.: 500*432*75(MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 300*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 - 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-300-AW-40K-D381	TYPE: Flood light	WEIGHT: 7.5Kg
SPEC.: 300W	DIM.: 500*432*75(MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 300*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	0.55	0.67	0.88	1.38	2.32	3.63	5.32	7.63	10.4	13.2	16.8	22.1	28.2	34.0	39.4	44.4	47.2	47.3	46.9
-75	0.59	0.74	1.17	2.46	4.86	7.97	11.9	16.7	22.2	28.8	37.1	47.1	59.0	72.5	84.9	95.8	104	107	106
-70	0.65	0.93	2.18	5.68	11.4	18.9	27.1	37.1	48.1	61.7	77.7	96.7	120	145	169	192	210	219	220
-65	0.70	1.11	3.29	8.88	17.8	29.1	40.9	54.3	70.1	88.8	110	135	164	197	230	258	280	289	291
-60	0.80	1.12	3.89	11.8	24.8	41.4	58.6	76.5	98.4	124	152	184	222	264	304	338	360	368	371
-55	0.86	1.31	5.28	15.9	32.3	52.5	73.7	95.9	122	149	181	219	263	311	350	378	395	402	405
-50	0.93	2.03	9.19	25.3	46.6	72.0	99.1	129	162	197	237	284	333	377	408	430	443	449	451
-45	0.96	2.42	11.6	30.6	54.7	83.1	113	147	183	222	267	316	363	402	430	451	465	472	474
-40	0.94	1.89	10.8	31.7	58.5	90.2	124	162	202	247	295	343	385	422	449	470	486	495	498
-35	0.90	2.09	13.0	36.3	65.9	99.9	136	175	217	265	315	361	401	435	460	480	495	503	504
-30	0.85	3.30	19.7	46.8	80.9	118	159	202	249	301	349	391	427	456	477	493	504	509	508
-25	0.77	3.80	22.3	51.4	88.2	127	168	212	261	315	366	407	442	469	487	501	510	513	512
-20	0.65	2.25	19.1	48.4	86.8	128	172	218	270	327	379	423	460	490	509	522	528	531	530
-15	0.61	2.73	21.0	51.9	92.8	135	179	227	282	344	399	446	487	520	540	551	558	561	560
-10	0.57	5.37	27.0	61.4	105	152	199	252	314	380	441	497	549	588	608	619	627	630	627
-5	0.56	6.12	28.5	64.1	109	156	205	260	329	403	472	538	601	651	678	693	702	706	702
0	0.57	3.67	22.8	56.3	101	151	201	258	331	416	499	579	661	736	783	810	828	835	831
5	0.56	4.15	23.3	57.1	102	152	202	262	344	438	529	615	706	792	849	882	904	912	907
10	0.55	6.20	27.5	62.5	108	161	214	282	377	491	602	706	824	934	1005	1046	1075	1084	1074
15	0.54	6.27	27.4	61.7	106	158	213	283	391	524	658	790	936	1076	1169	1223	1263	1278	1265
20	0.54	3.54	19.8	49.7	89.9	141	196	265	371	526	707	893	1092	1301	1459	1554	1616	1653	1649
25	0.54	3.53	19.1	47.8	86.8	136	191	260	372	544	764	1000	1254	1527	1754	1897	1984	2034	2031
30	0.53	4.63	20.7	48.3	85.7	134	191	263	384	591	883	1224	1605	2022	2378	2598	2730	2797	2789
35	0.53	4.43	19.3	45.2	80.4	126	181	248	366	576	903	1336	1844	2391	2824	3086	3233	3320	3331
40	0.53	2.30	12.5	32.7	61.7	100	151	207	291	450	742	1226	1878	2599	3252	3664	3856	3956	4001
45	0.52	2.13	11.2	29.3	55.8	90.9	136	186	257	387	633	1086	1772	2561	3271	3763	3989	4099	4157
50	0.51	2.45	10.6	26.0	48.7	79.3	118	162	214	297	461	803	1409	2187	2968	3539	3789	3900	3961
55	0.50	2.11	8.84	21.7	41.0	67.3	100	135	173	228	327	541	964	1600	2308	2857	3105	3223	3296
60	0.50	0.99	4.64	12.4	24.9	42.5	65.0	88.9	112	139	177	241	362	605	967	1311	1502	1605	1680
65	0.49	0.84	3.54	9.29	18.6	31.7	48.4	65.7	82.3	102	128	167	230	336	486	634	733	791	819
70	0.47	0.74	2.40	5.74	11.0	18.4	27.2	37.0	46.0	57.3	72.4	92.3	118	149	179	208	235	255	262
75	0.47	0.63	1.58	3.57	6.76	11.1	16.4	22.5	28.4	35.5	44.8	57.0	72.1	89.8	107	121	134	143	147
80	0.47	0.46	0.68	1.16	1.96	3.14	4.70	6.52	8.73	11.2	14.2	17.9	22.3	27.4	32.6	37.2	40.8	43.3	44.7
85	0.47	0.46	0.53	0.70	0.97	1.37	1.90	2.52	3.27	4.14	5.19	6.52	8.04	9.65	11.3	12.8	14.0	14.8	15.2
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-300-AW-40K-D381	TYPE: Flood light	WEIGHT: 7.5Kg
SPEC.: 300W	DIM.: 500*432*75(MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 300*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	47.5	47.9	46.7	43.3	37.9	32.6	26.2	19.9	15.3	12.2	9.25	6.65	4.73	3.24	2.04	1.26	0.94	0.64	
-75	107	106	102	92.2	81.0	67.8	53.9	42.4	32.6	25.1	19.0	13.9	9.58	6.22	3.46	1.66	1.01	0.66	
-70	220	214	198	176	152	127	102	80.8	63.5	49.2	37.6	27.3	19.0	11.6	5.85	2.26	1.06	0.71	
-65	289	282	263	237	204	171	139	112	89.2	69.7	53.7	40.0	28.1	17.1	8.37	3.00	1.15	0.77	
-60	369	362	352	326	288	247	205	168	136	109	84.6	65.0	47.8	30.6	16.0	6.00	1.66	0.87	
-55	402	395	386	366	334	293	246	201	164	132	104	80.1	58.7	37.9	20.3	7.54	1.89	0.92	
-50	446	439	429	412	385	345	292	242	198	161	129	98.2	71.2	45.7	24.3	8.45	1.79	0.91	
-45	469	460	448	430	405	370	324	273	225	183	146	111	80.2	51.9	28.3	9.87	1.90	0.87	
-40	494	484	471	454	432	405	368	323	269	220	177	138	102	69.5	40.8	17.2	3.30	0.79	
-35	499	490	477	459	439	415	381	339	288	237	191	150	111	75.6	44.5	19.3	3.49	0.67	
-30	501	491	479	463	445	423	393	353	300	248	200	157	117	79.4	45.5	18.7	2.55	0.48	
-25	506	496	483	468	452	432	403	365	315	261	210	166	123	84.0	48.0	20.0	2.57	0.42	
-20	526	518	505	489	474	456	430	395	348	289	234	186	142	101	60.7	28.1	5.82	0.37	
-15	556	549	536	519	501	480	450	411	362	302	244	194	149	104	62.3	28.7	6.29	0.34	
-10	622	615	603	583	558	528	486	435	377	308	245	193	147	102	58.8	25.2	4.56	0.29	
-5	696	691	680	658	627	584	527	463	394	320	252	198	150	103	59.0	25.0	4.77	0.29	
0	824	817	805	781	743	685	608	527	444	358	275	213	163	115	69.0	32.1	7.99	0.30	
5	897	887	869	839	793	724	638	550	460	366	279	215	164	114	67.7	31.1	7.66	0.30	
10	1058	1038	1004	955	886	789	681	580	475	365	268	204	153	104	59.4	25.3	5.08	0.25	
15	1245	1218	1171	1104	1011	880	745	624	498	370	269	203	151	99.5	56.8	23.9	4.76	0.25	
20	1623	1589	1529	1441	1310	1122	917	741	572	410	284	209	155	105	62.0	28.4	7.10	0.36	
25	2000	1953	1874	1751	1563	1301	1029	798	590	407	278	204	149	98.3	57.7	26.2	6.48	0.37	
30	2750	2676	2549	2335	1991	1558	1157	831	567	367	247	180	128	82.5	46.5	19.3	3.97	0.26	
35	3285	3195	3053	2796	2338	1757	1244	839	540	340	232	169	118	75.2	42.0	17.4	3.51	0.28	
40	3974	3897	3784	3511	2945	2181	1436	884	531	324	219	161	113	73.1	41.9	18.6	4.70	0.38	
45	4124	4041	3922	3578	2892	2056	1292	751	444	279	196	144	100.0	64.3	36.4	15.9	4.01	0.38	
50	3900	3814	3632	3082	2295	1463	818	461	287	202	152	112	76.2	47.5	25.6	10.3	2.19	0.31	
55	3224	3122	2909	2359	1643	981	538	323	222	166	128	93.9	63.7	39.1	20.9	8.32	1.76	0.32	
60	1658	1583	1462	1185	788	465	286	200	153	122	97.7	73.6	50.6	31.6	17.3	7.49	1.98	0.39	
65	815	778	708	577	414	279	195	143	112	90.5	72.9	55.2	37.7	23.5	12.8	5.57	1.48	0.39	
70	256	239	216	188	156	124	96.9	76.1	60.7	49.2	39.5	29.0	19.8	12.1	6.49	2.77	0.78	0.37	
75	144	136	125	111	93.4	75.5	60.2	47.7	38.1	30.9	24.4	18.0	12.2	7.54	4.09	1.83	0.66	0.39	
80	44.6	43.2	40.5	36.5	31.6	26.3	21.7	17.5	14.1	11.3	8.74	6.55	4.62	3.04	1.86	1.08	0.60	0.43	
85	15.2	14.8	14.0	12.7	11.2	9.53	7.91	6.40	5.18	4.17	3.28	2.54	1.89	1.36	0.96	0.69	0.51	0.44	
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: