

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	496.6 cd per klm.
(Luminaire orientation as tested.)	50.0 degrees vertical
	-19.0 degrees horizontal

Beam Spread	At 10% of Imax	136.4V x 152.0H
	At 50% of Imax	57.8V x 137.1H
	At 90% of Imax	14.2V x 123.7H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	972.0 lumens per klm.
	To 50% of Imax	588.4 lumens per klm.
	To 90% of Imax	107.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

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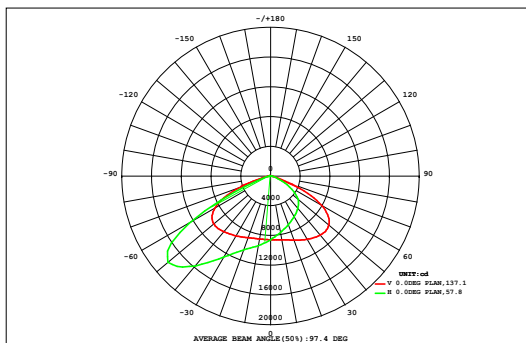
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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-D351	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



DATA OF LAMP		Eff:132.00lm/W	
MODEL	SMD 2835/LED	Imax(cd)	18872
NOMINAL POWER(W)	287.9	AVAILABILITY(%)	97.2
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	36930
NOMINAL FLUX(lm)	38002.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	38002
TEST VOLTAGE(V)	230.1	θ @50% (H,V)	137,58DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.07	0.24	0.57	1.03	1.54	2.06	2.45	2.57	2.61	2.55	2.21	1.71	1.19	0.68	0.29	0.09	0.01	21.9	0.00
90	0.04	0.42	1.75	4.79	9.20	14.7	20.2	25.4	28.5	28.9	26.8	21.8	16.5	10.7	5.75	2.18	0.55	0.06	218	13.6
80	0.09	1.15	5.28	19.3	51.2	94.2	148	194	201	204	201	157	103	58.0	21.4	5.47	1.21	0.09	1466	1366
70	0.13	1.94	11.5	65.7	178	315	439	499	501	500	502	454	337	199	81.5	15.2	2.38	0.18	4102	4073
60	0.23	3.38	31.4	140	284	415	497	524	526	524	518	487	407	282	142	32.4	3.40	0.22	4818	4797
50	0.26	4.51	49.8	175	303	389	425	434	431	427	421	409	376	304	188	62.7	6.05	0.35	4404	4387
40	0.38	7.60	74.4	197	295	344	359	357	351	348	348	346	329	284	193	74.6	7.84	0.35	3916	3903
30	0.35	8.62	77.2	188	268	305	316	311	306	303	302	301	289	258	190	89.1	12.4	0.49	3525	3513
20	0.45	11.8	84.0	178	239	267	276	276	275	274	271	268	256	229	172	82.6	11.8	0.42	3173	3162
10	0.36	9.81	72.3	156	210	235	245	247	248	246	242	236	224	201	155	80.4	13.7	0.52	2824	2813
0	0.41	9.86	65.4	137	184	207	218	222	223	222	218	212	200	177	132	64.3	9.72	0.38	2502	2490
-10	0.28	6.19	44.6	109	158	185	198	202	202	201	198	192	179	154	111	50.6	8.37	0.41	2202	2187
-20	0.28	4.94	28.3	75.4	127	161	177	183	184	183	181	174	158	124	73.2	27.4	4.78	0.25	1866	1841
-30	0.17	2.90	13.1	35.2	73.3	121	151	160	162	161	158	149	124	77.7	38.1	14.8	3.55	0.23	1446	1389
-40	0.15	2.00	7.67	18.7	36.1	65.3	102	118	122	121	118	103	66.4	35.5	18.4	7.54	1.97	0.13	943	825
-50	0.09	0.97	3.73	8.75	16.2	25.5	39.8	53.8	59.0	59.0	54.7	42.6	27.2	17.2	9.52	4.18	1.19	0.11	423	170
-60	0.07	0.48	1.57	3.47	6.26	9.55	12.9	15.7	16.7	16.7	15.8	12.9	9.64	6.34	3.51	1.60	0.49	0.07	134	0.00
-70	0.03	0.13	0.29	0.53	0.86	1.25	1.64	1.94	2.12	2.14	2.01	1.77	1.37	0.95	0.59	0.34	0.16	0.04	18.2	0.00
-80	0.03	0.13	0.29	0.53	0.86	1.25	1.64	1.94	2.12	2.14	2.01	1.77	1.37	0.95	0.59	0.34	0.16	0.04	18.2	0.00
-90	0.03	0.13	0.29	0.53	0.86	1.25	1.64	1.94	2.12	2.14	2.01	1.77	1.37	0.95	0.59	0.34	0.16	0.04	18.2	0.00
HORIZONTAL (DEG)																				
Φ t	3.79	76.8	572	1514	2441	3159	3628	3827	3841	3822	3779	3569	3105	2419	1537	616	89.7	4.31	38002	---
Φ a	0.00	23.2	506	1447	2372	3089	3557	3757	3774	3755	3711	3495	3036	2349	1472	552	34.3	0.00	---	36930

one-half-peak spread: U:46.0,D:12.8 , L:23.2,R:22.1

NEMA Beam Type: Type 7

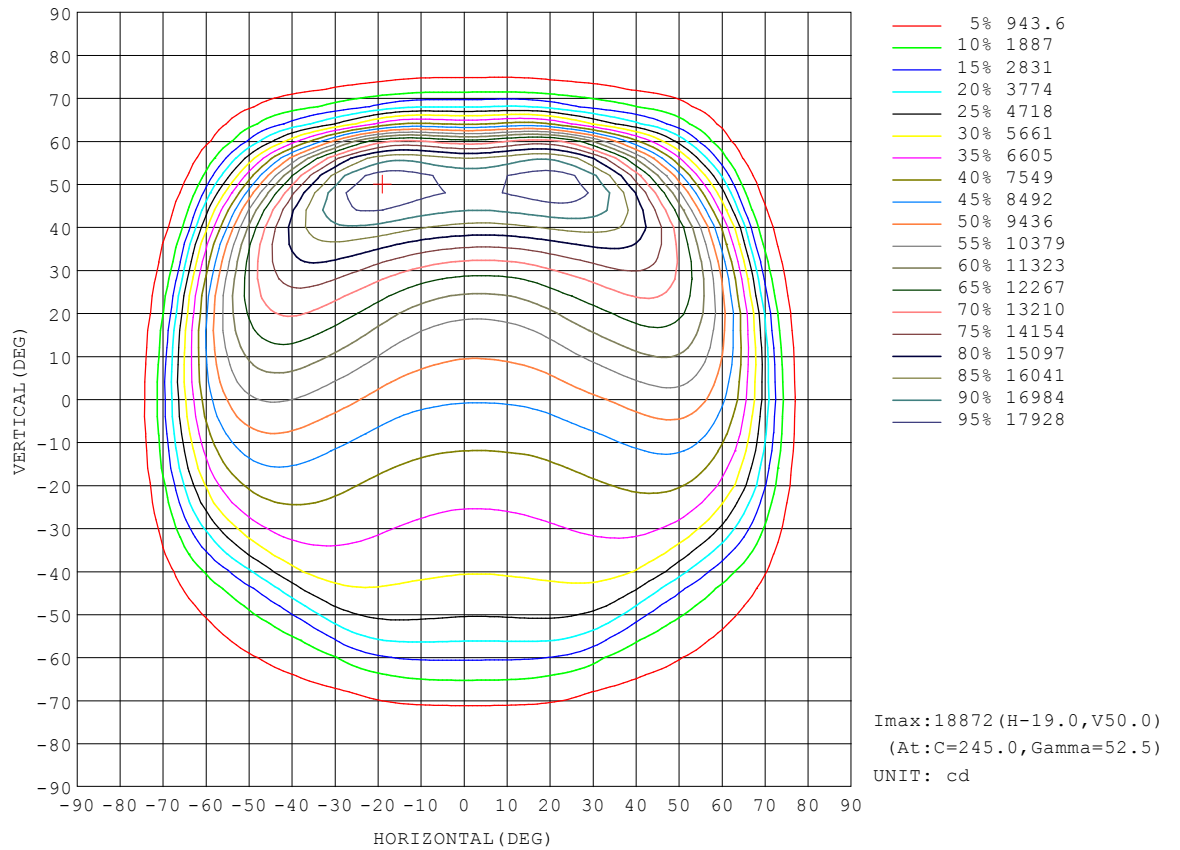
H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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-D351	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



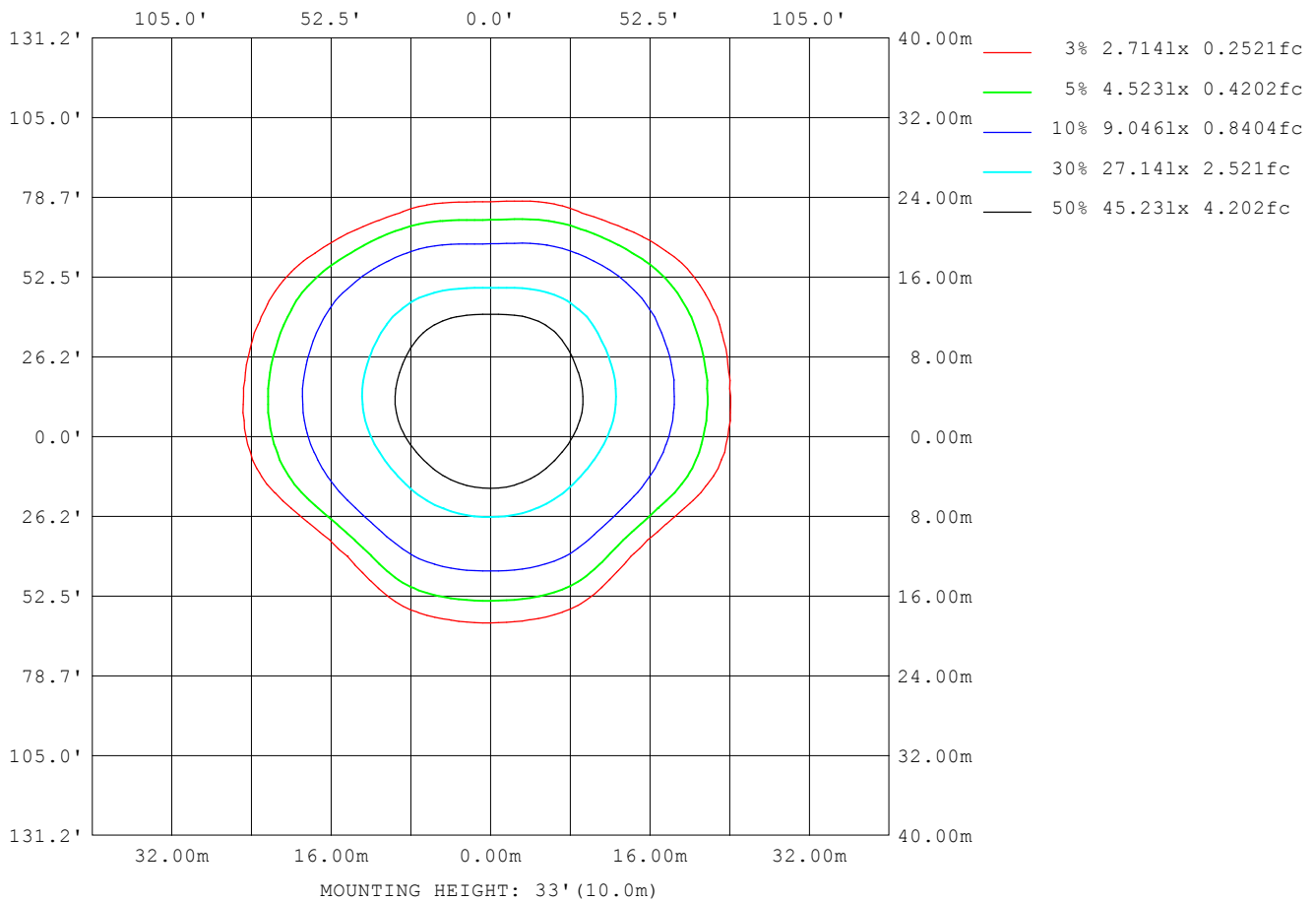
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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-D351	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

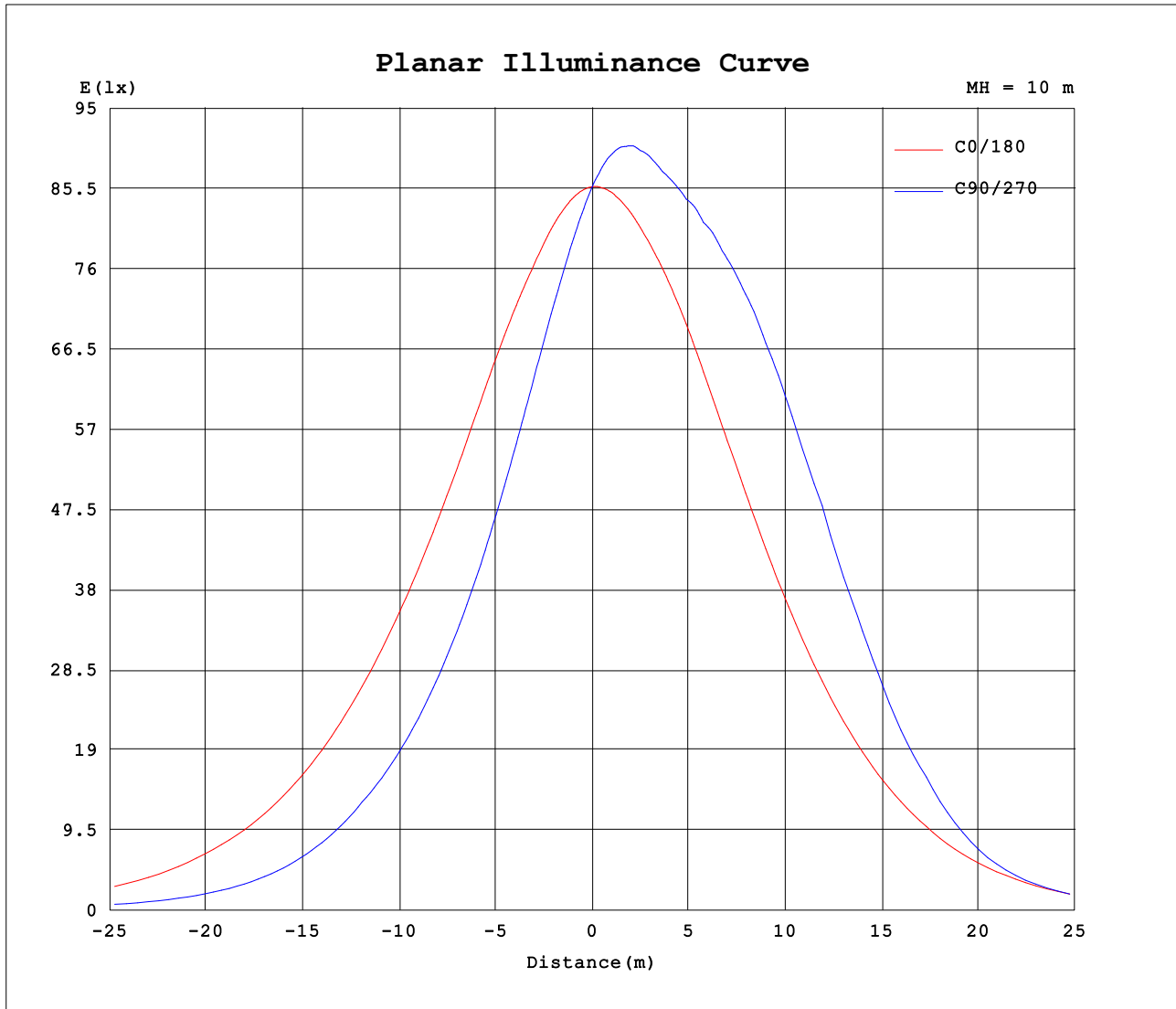


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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



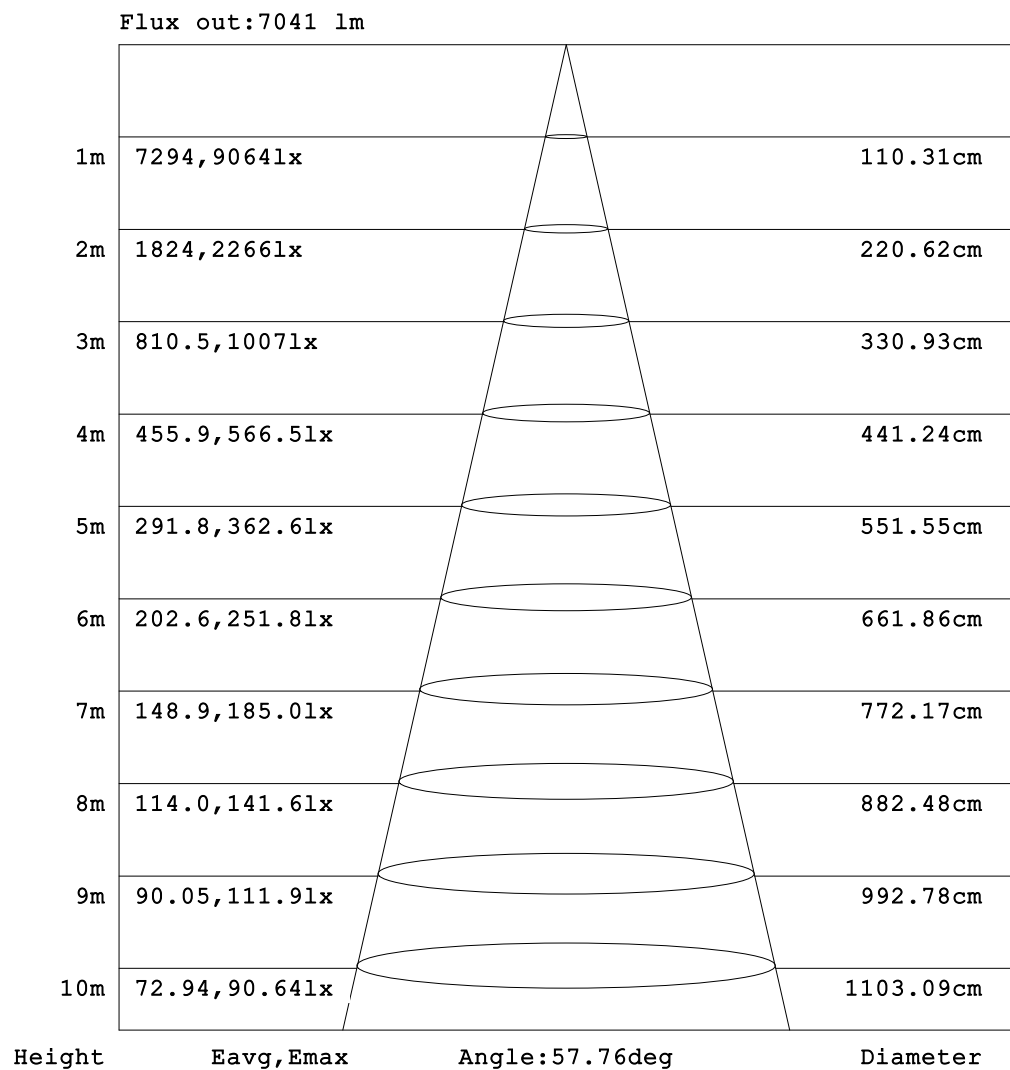
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YANG  
Test Date:2022-06-12

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-D351	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



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-D351	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

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	1.78	2.07	2.51	3.29	4.27	5.43	6.76	8.20	9.85	11.7	13.7	15.7	17.3	19.1	20.6	21.6	22.0	22.5	22.6
-75	1.87	2.18	2.91	4.54	6.84	9.46	12.5	15.7	19.3	23.4	27.9	31.9	35.5	39.3	43.1	45.7	45.7	45.3	45.4
-70	1.97	2.64	4.72	8.84	14.0	20.2	26.8	34.0	42.0	50.1	58.0	65.3	72.4	80.7	90.4	97.8	102	104	105
-65	2.06	2.95	6.17	12.5	20.2	28.9	38.2	48.7	60.3	71.7	83.8	95.3	109	130	151	164	171	174	174
-60	2.28	2.71	5.74	13.9	25.4	38.0	51.3	68.0	87.2	106	129	151	185	234	271	289	295	297	297
-55	2.38	2.91	7.11	18.1	33.1	49.2	67.8	91.0	117	146	174	216	279	342	374	385	387	385	382
-50	2.40	4.42	14.2	31.7	53.8	79.0	111	148	190	235	302	392	456	486	496	496	492	487	484
-45	2.42	5.04	17.2	39.1	66.9	102	146	193	253	329	418	489	527	540	541	536	530	526	523
-40	2.41	3.40	13.0	36.1	70.7	124	197	274	364	459	541	585	603	604	598	589	581	576	571
-35	2.31	3.56	15.4	42.0	88.1	168	270	378	478	561	614	637	643	639	629	618	609	601	597
-30	2.23	6.64	27.8	67.8	157	302	444	565	644	684	699	699	692	679	665	653	642	635	631
-25	2.13	7.58	30.8	80.1	195	376	535	643	704	733	740	734	722	707	691	677	667	659	657
-20	2.00	3.26	21.0	61.5	172	381	571	699	766	797	801	792	775	756	737	721	709	700	696
-15	1.87	3.60	22.7	68.9	203	436	633	756	820	845	843	828	808	786	766	750	737	729	725
-10	1.53	9.81	37.9	115	331	578	762	862	908	917	903	879	854	829	807	790	778	772	770
-5	1.47	10.2	39.9	126	361	619	812	916	961	968	951	925	897	869	844	824	813	806	803
0	1.62	4.67	25.3	78.1	253	551	796	947	1023	1046	1038	1013	982	950	917	890	872	862	857
5	1.62	4.47	25.6	79.9	260	572	826	991	1075	1102	1095	1069	1035	1000	963	933	913	901	894
10	1.43	10.7	37.6	115	364	682	935	1090	1167	1188	1174	1142	1104	1062	1020	988	967	953	948
15	1.44	10.8	37.2	111	355	685	956	1125	1214	1244	1233	1202	1162	1117	1071	1033	1007	991	985
20	1.54	4.76	21.8	61.4	187	517	831	1082	1236	1311	1331	1310	1272	1229	1180	1132	1094	1069	1055
25	1.54	4.80	21.1	57.4	167	484	811	1083	1259	1355	1388	1375	1340	1297	1251	1203	1164	1138	1123
30	1.37	8.35	27.7	68.1	194	541	863	1138	1326	1435	1478	1473	1442	1400	1357	1318	1287	1266	1255
35	1.36	8.06	25.8	61.0	159	476	808	1101	1316	1458	1532	1552	1536	1503	1466	1430	1401	1382	1371
40	1.47	3.40	14.6	35.7	76.5	208	544	854	1147	1371	1533	1637	1684	1690	1674	1643	1613	1591	1578
45	1.46	3.19	13.2	32.1	65.2	157	441	746	1045	1296	1499	1652	1748	1793	1795	1772	1742	1720	1704
50	1.28	4.91	15.4	32.9	61.3	141	363	636	920	1187	1427	1627	1776	1860	1887	1872	1840	1817	1805
55	1.25	4.39	13.1	27.7	50.3	99.2	241	466	714	968	1208	1428	1607	1725	1784	1784	1756	1727	1717
60	1.36	1.78	6.42	15.1	27.9	47.5	82.3	163	299	456	618	782	965	1145	1274	1331	1325	1290	1265
65	1.34	1.60	5.20	11.9	21.7	36.2	58.7	97.9	160	238	313	390	474	573	678	754	772	757	743
70	1.17	1.79	4.57	9.21	15.9	25.0	37.4	51.8	66.8	82.6	100	118	134	147	164	188	203	209	210
75	1.15	1.49	3.24	6.24	10.5	16.2	23.9	32.7	41.1	49.6	58.6	67.6	75.9	82.9	89.6	97.4	102	102	103
80	1.20	1.05	1.34	2.20	3.50	5.30	7.59	10.4	13.3	16.1	18.7	21.2	23.7	26.1	28.1	29.7	30.6	30.4	30.4
85	1.17	1.04	1.05	1.30	1.72	2.34	3.16	4.13	5.18	6.18	7.13	8.02	8.88	9.68	10.4	10.9	11.1	11.2	11.2
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-D351	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

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	22.7	22.6	22.1	21.7	20.6	18.8	17.0	15.2	13.3	11.3	9.42	7.86	6.52	5.28	4.12	3.08	2.58	1.50	
-75	45.4	45.5	46.1	45.4	42.1	38.1	34.4	30.5	26.4	22.0	18.0	14.6	11.4	8.56	6.00	3.76	2.71	1.49	
-70	104	102	97.4	89.7	79.7	71.6	64.8	57.0	48.8	40.7	32.7	25.5	19.1	13.3	8.17	4.10	2.50	1.23	
-65	173	170	162	148	126	105	91.7	80.4	68.5	57.2	45.8	35.6	26.7	18.4	10.8	4.83	2.56	1.25	
-60	296	295	292	282	261	217	170	139	119	97.8	79.2	60.6	45.5	32.9	20.7	9.87	3.72	1.57	
-55	381	383	383	379	362	322	253	196	160	132	104	79.1	58.1	41.1	25.7	12.0	4.03	1.57	
-50	485	488	491	490	479	447	380	286	221	178	137	103	73.1	48.6	27.6	10.4	3.04	1.26	
-45	524	528	531	534	531	515	472	394	304	234	178	131	90.4	57.9	32.1	11.8	3.06	1.25	
-40	571	574	579	585	591	594	587	562	505	412	318	231	161	98.0	54.1	24.7	6.05	1.47	
-35	596	601	607	614	622	628	627	615	581	514	418	317	217	125	61.5	27.5	6.32	1.33	
-30	634	639	647	657	668	676	681	676	657	613	526	404	264	131	55.7	21.1	3.14	0.86	
-25	658	663	671	682	695	706	714	715	704	670	599	482	321	156	60.5	22.4	2.96	0.83	
-20	697	699	706	716	728	743	757	769	773	761	721	638	491	289	112	39.1	10.4	0.80	
-15	725	727	733	743	758	774	790	805	814	807	769	686	539	324	124	40.1	11.0	0.72	
-10	771	774	780	795	812	830	851	869	880	869	818	713	529	277	88.6	28.6	4.87	0.68	
-5	804	808	816	832	852	872	895	915	928	917	863	751	551	288	89.0	27.8	5.34	0.66	
0	857	860	868	883	906	929	953	978	998	1001	963	867	691	428	157	45.8	13.0	0.60	
5	894	898	908	926	952	979	1005	1033	1052	1051	1006	899	703	426	150	44.3	12.5	0.60	
10	951	959	975	1002	1035	1067	1098	1125	1136	1113	1031	874	621	295	89.6	28.6	6.08	0.54	
15	989	999	1019	1051	1089	1124	1156	1182	1188	1154	1055	878	604	270	81.6	26.5	5.73	0.49	
20	1054	1063	1084	1118	1161	1196	1231	1262	1272	1242	1149	978	708	370	117	39.1	11.7	0.79	
25	1121	1130	1153	1189	1227	1262	1298	1325	1323	1275	1158	959	670	315	100	35.5	10.8	0.78	
30	1255	1266	1290	1322	1356	1389	1414	1415	1372	1263	1075	802	468	156	56.1	21.3	4.94	0.46	
35	1371	1381	1400	1428	1457	1480	1489	1464	1386	1243	1027	731	376	124	48.2	19.2	4.42	0.50	
40	1573	1580	1597	1618	1634	1638	1616	1555	1443	1268	1038	743	405	134	55.5	24.8	8.09	0.80	
45	1701	1715	1734	1754	1760	1737	1671	1557	1395	1180	922	626	292	101	46.5	21.7	7.07	0.79	
50	1816	1842	1868	1874	1834	1742	1587	1382	1143	883	606	322	113	53.9	28.4	12.2	2.94	0.59	
55	1734	1767	1792	1782	1714	1584	1394	1171	932	678	436	203	81.6	43.5	23.5	10.2	2.45	0.63	
60	1276	1319	1359	1353	1275	1128	948	774	610	438	266	131	65.6	39.0	22.6	11.2	3.90	0.80	
65	754	782	793	754	663	562	475	399	321	233	145	82.0	48.1	29.7	17.5	8.76	3.06	0.80	
70	212	206	187	166	152	141	124	106	86.9	69.5	52.6	36.7	24.1	15.3	8.80	4.13	1.32	0.77	
75	104	104	98.0	91.3	85.7	79.0	70.5	61.2	52.0	43.0	33.5	23.8	16.0	10.3	6.01	2.93	1.14	0.80	
80	30.7	31.3	31.4	30.5	29.1	27.0	24.7	22.3	19.8	17.2	14.1	10.8	7.80	5.40	3.52	2.14	1.19	0.86	
85	11.3	11.5	11.5	11.3	10.9	10.2	9.51	8.71	7.84	6.86	5.73	4.52	3.43	2.51	1.80	1.30	0.98	0.88	
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: