

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	486.8 cd per klm.
(Luminaire orientation as tested.)	50.0 degrees vertical
	18.0 degrees horizontal

Beam Spread	At 10% of Imax	136.6V x 151.7H
	At 50% of Imax	64.2V x 135.5H
	At 90% of Imax	13.9V x 119.4H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	973.2 lumens per klm.
	To 50% of Imax	612.7 lumens per klm.
	To 90% of Imax	103.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

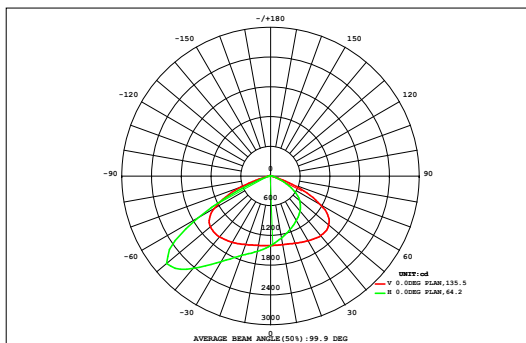
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-10

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-D352	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



DATA OF LAMP		Eff:119.09lm/W	
MODEL	SMD 2835/LED	Imax (cd)	2875
NOMINAL POWER (W)	49.6	AVAILABILITY (%)	97.3
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	5750
NOMINAL FLUX (lm)	5906.99	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	5907
TEST VOLTAGE (V)	229.9	θ @50% (H,V)	135,64DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.04	0.09	0.14	0.20	0.24	0.27	0.28	0.28	0.28	0.24	0.19	0.14	0.09	0.04	0.02	0.00	2.55	0.00
90	0.00	0.01	0.04	0.09	0.14	0.20	0.24	0.27	0.28	0.28	0.28	0.24	0.19	0.14	0.09	0.04	0.02	0.00	2.55	0.00
80	0.01	0.07	0.27	0.69	1.24	1.85	2.48	3.16	3.49	3.50	3.28	2.60	1.92	1.30	0.72	0.30	0.08	0.01	27.0	0.00
70	0.01	0.18	0.82	3.00	7.47	13.6	21.0	26.8	27.4	27.4	27.3	21.6	13.9	7.61	3.04	0.78	0.17	0.02	202	186
60	0.02	0.30	1.91	10.2	26.9	47.3	64.5	72.3	72.5	72.3	72.8	66.7	49.9	28.9	11.8	2.39	0.34	0.03	601	597
50	0.04	0.53	4.98	21.2	43.7	63.2	75.3	79.6	80.3	80.7	80.5	75.8	63.2	43.4	20.8	4.96	0.50	0.03	739	736
40	0.04	0.72	7.56	26.4	45.9	58.5	64.2	66.2	66.8	67.1	67.0	65.1	59.3	47.2	28.1	9.17	0.91	0.05	680	678
30	0.06	1.23	11.1	29.7	44.4	51.8	54.7	55.5	55.6	56.2	56.9	56.2	52.8	44.5	29.2	10.8	1.18	0.05	612	610
	0.05	1.39	11.5	28.2	40.3	45.9	48.4	48.8	49.0	49.4	49.8	49.7	47.0	40.9	29.3	12.9	1.86	0.07	555	553
	0.07	1.87	12.4	26.7	35.9	40.6	42.8	43.9	44.6	45.0	45.0	44.5	42.0	36.6	26.7	12.0	1.79	0.06	503	501
	0.06	1.56	10.7	23.5	31.7	36.1	38.3	39.5	40.5	40.7	40.3	39.4	37.1	32.5	24.4	11.8	2.10	0.08	450	449
	0.06	1.58	9.72	20.7	27.9	32.0	34.4	35.8	36.6	36.9	36.4	35.4	33.1	28.6	20.7	9.56	1.54	0.06	401	399
	0.05	1.01	6.83	16.6	24.2	28.7	31.2	32.5	33.1	33.3	33.0	31.9	29.5	25.0	17.5	7.83	1.36	0.07	354	351
-30	0.05	0.81	4.49	11.8	19.9	25.1	27.8	29.2	29.9	30.1	29.8	28.6	25.7	20.3	12.0	4.57	0.79	0.05	301	298
-40	0.03	0.47	2.15	5.70	12.2	19.5	23.7	25.4	25.9	26.1	25.7	24.2	20.4	13.2	6.42	2.57	0.60	0.05	234	226
-50	0.03	0.32	1.22	2.91	5.65	10.7	16.3	18.7	19.4	19.5	18.9	16.5	10.7	5.60	2.99	1.28	0.35	0.03	151	134
-60	0.02	0.14	0.57	1.36	2.47	4.02	6.70	9.02	9.81	9.89	9.26	7.13	4.30	2.69	1.55	0.73	0.23	0.03	69.9	33.6
-70	0.02	0.08	0.24	0.54	0.97	1.49	2.05	2.51	2.69	2.71	2.54	2.09	1.58	1.06	0.62	0.31	0.12	0.02	21.7	0.00
-80	0.01	0.03	0.06	0.09	0.14	0.21	0.27	0.32	0.36	0.36	0.35	0.31	0.25	0.19	0.13	0.09	0.05	0.01	3.23	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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.62	12.3	86.5	229	371	481	554	590	598	602	599	568	493	380	236	92.2	14.0	0.73	5907	---
Φ a	0.00	4.19	76.3	219	361	471	544	580	589	592	589	558	483	369	226	82.6	5.49	0.00	---	5750

one-half-peak spread: U:53.3,D:12.0 , L:22.5,R:26.2

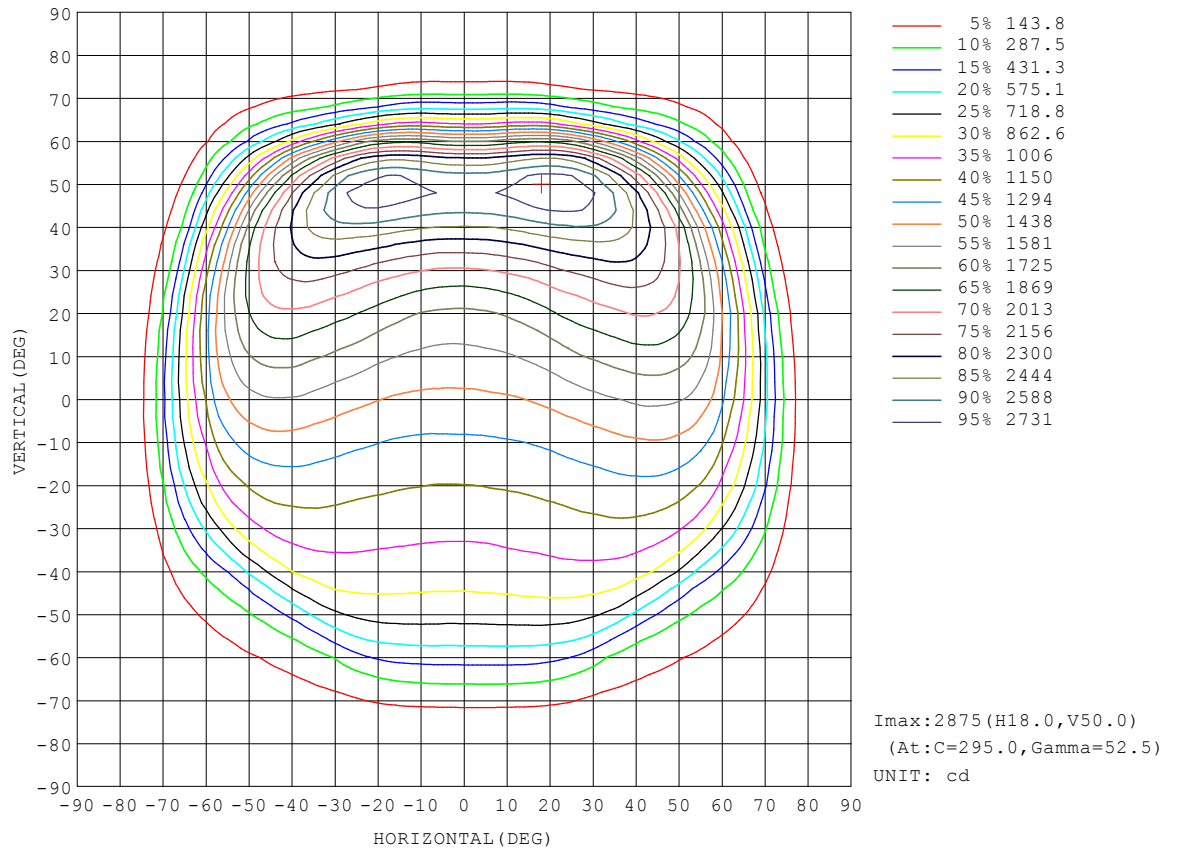
NEMA Beam Type: Type 7

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-D352	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

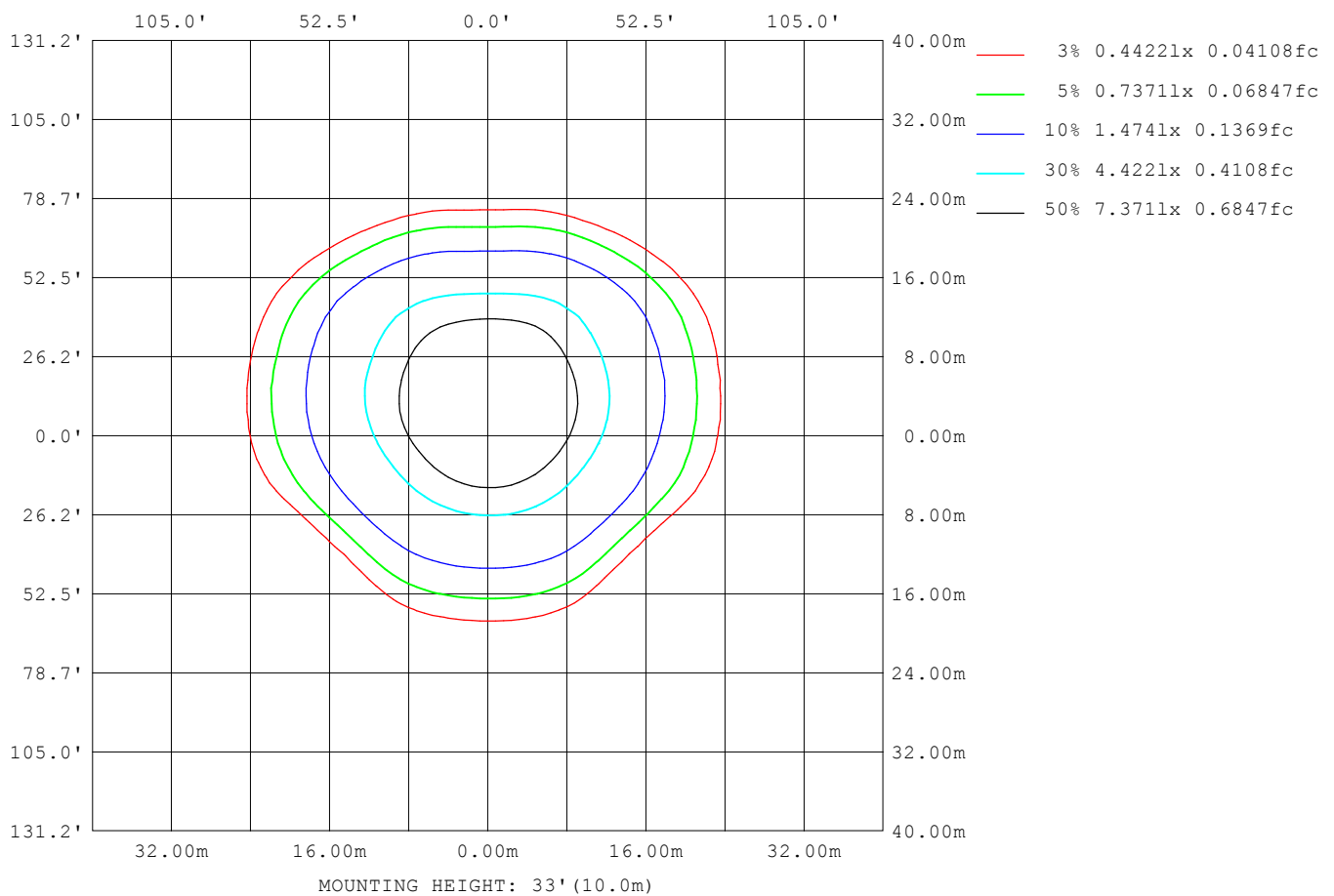


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-10

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

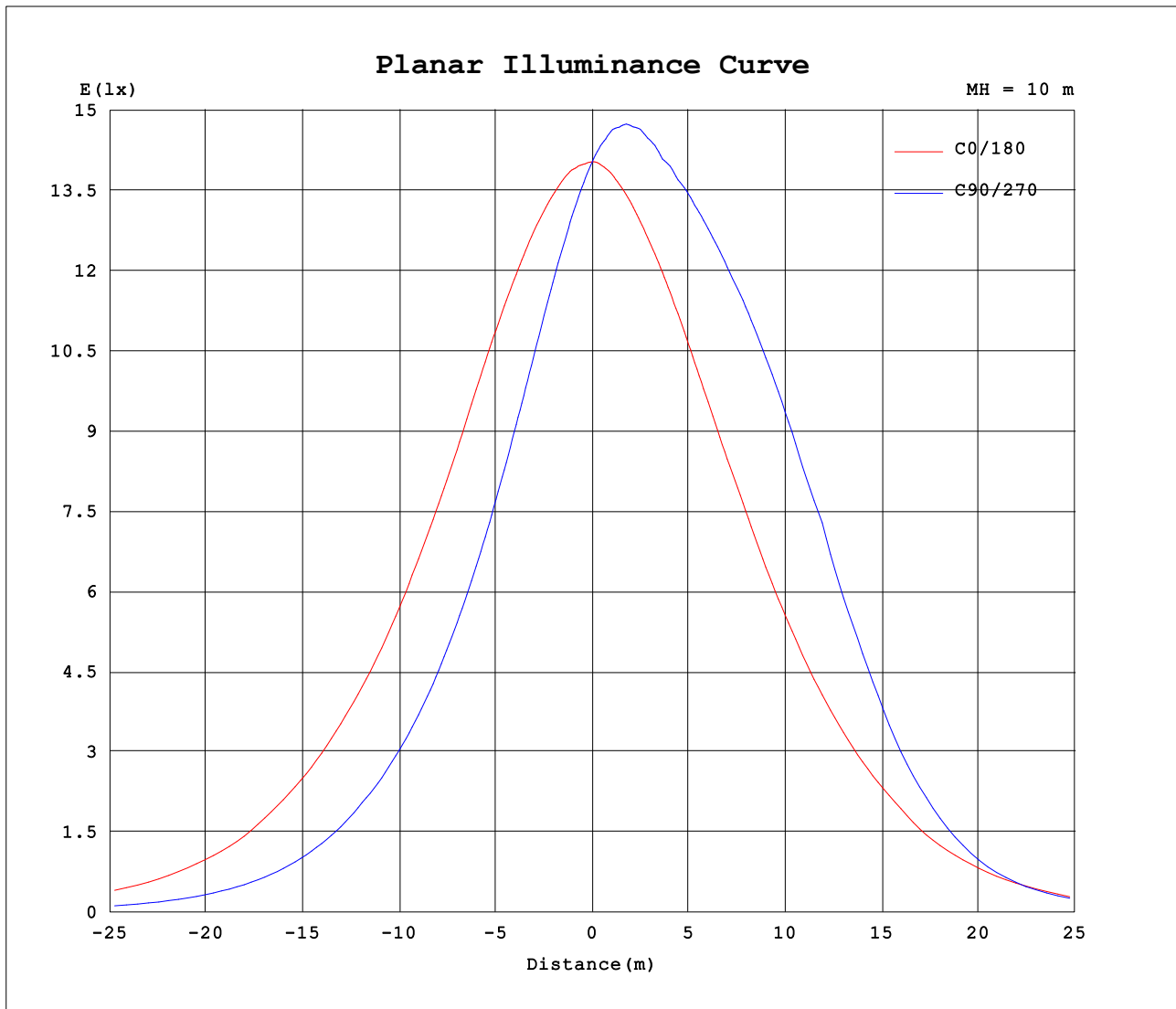
NAME: FLV-050-AW-40K-D352	TYPE: Flood light	WEIGHT: 1.88Kg
SPEC.: 50W	DIM.: 270*245*70 (MM)	SERIAL No.: 01
MFR.: Signcomplex	SUR.: 85*190 (MM)	Shielding Angle: P50



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

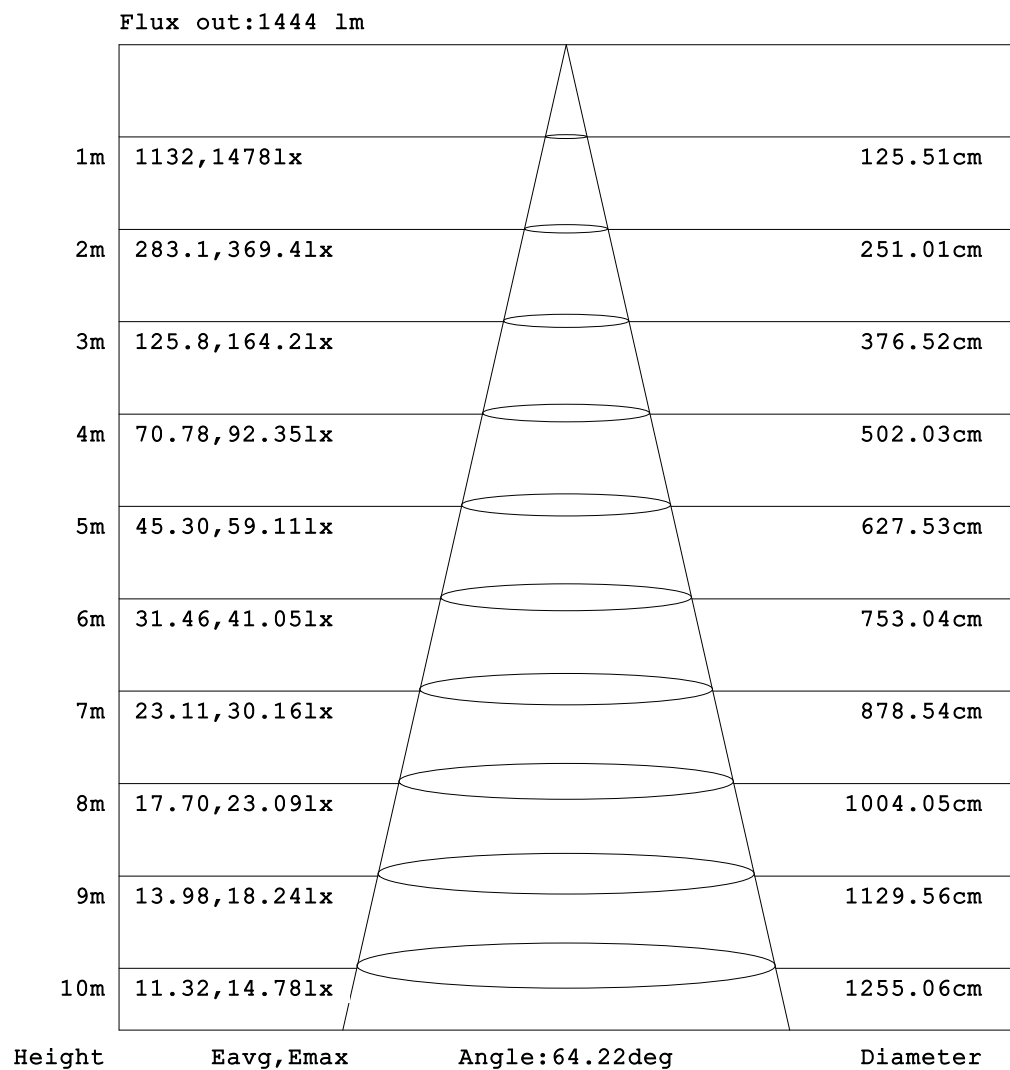


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YANG
Test Date:2022-06-10

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-D352	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



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

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

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-050-AW-40K-D352	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

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	4.02	4.34	5.84	7.11	8.44	9.86	11.3	12.8	15.1	18.1	21.3	24.1	26.8	29.4	31.8	33.7	35.2	36.1	36.6
-75	2.98	4.00	6.63	9.00	11.2	14.6	19.2	24.6	30.4	36.5	43.1	49.5	55.6	61.7	67.8	72.0	73.4	73.8	74.3
-70	2.67	5.19	10.1	14.3	20.7	30.8	41.7	52.8	64.9	77.6	90.4	103	118	133	149	159	165	169	170
-65	2.65	5.57	10.5	17.0	29.5	44.5	60.0	76.1	93.3	111	130	154	183	223	257	277	287	291	292
-60	3.22	3.64	8.36	19.4	38.2	59.2	80.4	105	131	159	190	233	295	389	447	475	484	487	489
-55	3.40	4.11	12.9	28.5	51.7	77.6	106	140	178	216	274	349	460	547	589	606	616	615	616
-50	3.10	8.80	25.4	50.8	86.3	130	182	238	298	393	511	650	726	761	777	779	777	772	773
-45	3.19	10.3	29.9	63.3	109	169	240	314	425	555	692	785	833	850	852	850	844	842	843
-40	3.55	5.44	24.7	58.7	115	205	316	433	597	750	862	914	942	947	940	936	931	927	925
-35	3.28	6.19	27.5	68.8	143	273	424	584	761	885	958	991	1000	1000	992	985	978	974	974
-30	2.78	13.1	44.9	110	254	470	679	879	991	1055	1077	1085	1081	1074	1061	1051	1043	1039	1040
-25	2.56	14.1	49.5	129	317	569	798	980	1076	1123	1138	1139	1127	1116	1104	1093	1085	1081	1085
-20	2.51	6.31	33.4	98.8	278	582	844	1058	1162	1214	1224	1221	1208	1188	1176	1161	1153	1147	1148
-15	2.48	6.98	35.9	110	325	654	923	1142	1240	1280	1288	1278	1259	1237	1221	1207	1199	1195	1197
-10	2.11	16.0	59.8	186	500	859	1137	1299	1368	1390	1380	1355	1333	1309	1287	1276	1267	1268	1272
-5	2.08	16.9	63.7	202	541	917	1217	1374	1443	1464	1451	1423	1393	1366	1342	1325	1320	1322	1323
0	2.42	7.21	38.2	125	399	807	1159	1423	1533	1573	1571	1543	1508	1475	1443	1419	1405	1403	1404
5	2.46	8.33	39.0	127	411	834	1207	1485	1611	1652	1653	1622	1582	1546	1508	1481	1465	1457	1457
10	2.02	16.1	59.5	187	551	1011	1396	1633	1751	1782	1765	1726	1684	1641	1596	1567	1548	1538	1544
15	2.01	16.3	58.8	179	533	1013	1421	1689	1826	1867	1854	1811	1767	1722	1669	1630	1606	1597	1603
20	2.37	7.48	33.2	97.5	299	768	1237	1629	1866	1973	1991	1967	1918	1873	1821	1765	1722	1701	1698
25	2.35	7.51	32.0	91.1	273	728	1213	1636	1904	2046	2076	2066	2020	1970	1918	1872	1829	1804	1797
30	1.96	12.7	42.2	109	314	807	1283	1732	2006	2164	2216	2213	2171	2119	2072	2028	2001	1985	1993
35	1.93	12.2	39.2	96.8	260	716	1205	1673	1996	2199	2302	2334	2312	2272	2232	2187	2158	2147	2153
40	2.21	5.52	22.2	55.3	124	336	825	1282	1766	2095	2315	2482	2547	2552	2535	2495	2461	2439	2434
45	2.19	5.24	20.0	48.6	104	259	674	1122	1589	1995	2286	2510	2653	2714	2720	2686	2649	2622	2616
50	1.83	7.74	23.1	50.1	98.3	231	570	967	1399	1839	2205	2483	2708	2809	2847	2825	2781	2750	2744
55	1.80	6.92	19.9	42.1	79.9	165	397	717	1085	1470	1846	2148	2391	2555	2618	2608	2568	2531	2524
60	1.96	2.88	9.99	23.1	42.6	74.9	135	263	450	660	894	1147	1388	1613	1765	1824	1809	1746	1721
65	1.92	2.56	8.16	18.0	33.3	56.1	91.9	155	248	350	455	563	692	825	954	1043	1062	1028	1010
70	1.66	3.16	7.34	14.2	24.4	37.9	55.7	75.3	96.4	116	135	155	176	197	224	261	280	279	279
75	1.65	2.50	5.27	9.88	16.4	24.9	35.2	46.4	57.0	66.5	75.5	84.5	93.2	102	111	121	126	124	124
80	1.72	1.48	2.19	3.65	5.78	8.63	11.9	15.3	18.6	21.4	23.7	25.8	27.5	28.7	29.8	30.5	30.7	30.6	30.5
85	1.64	1.50	1.55	2.06	2.93	4.07	5.31	6.71	8.04	9.17	10.1	11.0	11.7	12.3	12.9	13.2	13.2	13.1	13.1
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-D352	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

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	36.7	36.5	35.8	34.6	33.0	31.0	28.7	26.3	23.6	20.9	18.7	17.0	15.3	13.5	11.4	9.41	7.24	3.24	
-75	74.5	74.9	75.1	72.6	67.7	62.0	56.6	50.6	44.3	37.8	32.2	27.4	22.8	18.4	14.4	10.9	7.57	3.06	
-70	169	165	159	147	131	117	105	92.6	79.8	67.4	55.9	45.6	35.3	25.6	17.8	11.9	6.19	1.91	
-65	293	290	279	255	212	173	148	128	111	93.4	77.2	61.9	47.5	33.6	21.9	13.6	6.33	2.03	
-60	490	490	485	466	429	349	260	208	176	149	124	100	77.7	57.0	37.0	21.6	10.8	2.88	
-55	617	619	617	608	580	519	407	308	245	203	166	130	97.9	70.5	45.0	24.8	11.7	2.96	
-50	779	784	791	787	772	727	632	487	371	286	231	175	125	81.8	47.3	23.5	7.95	2.43	
-45	849	857	865	868	863	838	780	670	526	388	301	229	159	97.5	54.0	25.5	8.11	2.43	
-40	932	941	950	960	969	969	954	915	838	705	531	398	280	172	88.9	42.0	16.9	2.77	
-35	978	990	1000	1012	1023	1027	1025	1000	949	852	691	524	365	215	101	44.8	17.0	2.40	
-30	1048	1058	1073	1090	1101	1113	1117	1099	1063	988	840	646	428	222	88.4	34.0	8.77	1.38	
-25	1092	1101	1115	1132	1150	1162	1172	1166	1137	1071	947	750	506	260	95.4	34.3	8.24	1.25	
-20	1154	1163	1176	1190	1213	1233	1250	1260	1256	1220	1141	970	735	447	181	59.8	17.6	1.10	
-15	1202	1212	1223	1240	1264	1287	1309	1322	1324	1293	1216	1042	798	486	195	61.6	17.5	0.98	
-10	1276	1287	1303	1330	1357	1382	1411	1424	1424	1383	1283	1061	769	423	138	41.2	9.63	1.04	
-5	1330	1341	1363	1392	1422	1451	1479	1498	1496	1460	1351	1112	801	433	144	40.7	9.41	1.03	
0	1408	1421	1442	1471	1509	1546	1575	1602	1610	1589	1510	1320	1010	620	246	69.6	19.2	0.81	
5	1469	1482	1506	1540	1584	1622	1657	1684	1693	1663	1572	1357	1026	614	234	66.9	18.6	0.80	
10	1558	1580	1615	1660	1717	1756	1793	1815	1804	1747	1591	1280	887	443	134	40.7	9.60	1.02	
15	1618	1644	1686	1742	1800	1838	1874	1897	1879	1803	1623	1283	865	404	121	38.1	9.11	1.02	
20	1710	1740	1786	1849	1908	1949	1986	2023	2011	1941	1773	1439	1015	540	176	57.3	17.2	0.82	
25	1812	1844	1892	1952	2000	2046	2088	2112	2089	1984	1779	1407	956	471	153	51.8	15.9	0.86	
30	2014	2043	2082	2136	2179	2224	2250	2228	2136	1939	1595	1164	681	238	81.6	30.7	8.00	0.98	
35	2169	2202	2241	2288	2324	2355	2353	2289	2149	1911	1503	1049	565	189	70.2	27.4	7.37	0.95	
40	2440	2466	2511	2555	2577	2574	2532	2420	2236	1960	1518	1068	606	207	81.0	35.4	12.2	0.95	
45	2625	2654	2702	2735	2746	2703	2598	2418	2164	1795	1345	907	457	159	67.7	30.7	10.9	0.98	
50	2760	2806	2864	2868	2819	2677	2442	2135	1730	1293	874	496	180	78.9	40.1	17.9	5.42	1.08	
55	2541	2592	2644	2650	2568	2369	2092	1754	1353	974	632	328	126	63.1	33.2	15.1	4.56	1.06	
60	1727	1786	1832	1831	1748	1552	1313	1051	802	578	377	204	97.3	56.0	31.9	16.5	6.75	1.07	
65	1013	1053	1072	1041	922	784	647	523	419	313	209	121	69.0	41.9	24.7	13.1	5.66	1.11	
70	283	278	253	218	193	168	149	132	112	91.2	69.2	49.7	33.5	21.6	13.1	6.98	2.51	1.18	
75	126	126	120	110	101	91.6	82.8	73.7	63.9	53.4	42.1	31.4	22.2	15.0	9.39	5.35	2.10	1.21	
80	30.7	31.2	31.6	31.1	30.0	28.6	26.6	24.6	22.2	19.5	16.6	13.7	11.0	8.36	6.03	4.06	2.52	1.26	
85	13.1	13.3	13.5	13.2	12.7	12.0	11.2	10.3	9.47	8.62	7.70	6.75	5.71	4.64	3.68	2.76	1.93	1.30	
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: