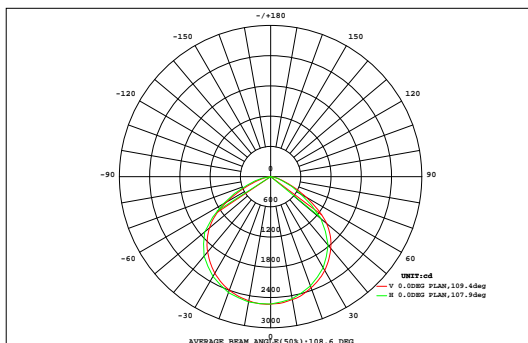


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.2004A P:43.60W PF:0.9880 Lamp Flux:6578.27x1 lm		
NAME: EV45B1205	TYPE:	WEIGHT:2.48KG
SPEC.:	DIM.: 347*244*69mm	SERIAL No.:1
MFR.: Integratech	SUR.:185*170mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:150.89lm/W	
MODEL	EV45B1205	Imax(cd)	2533
NOMINAL POWER(W)	45	AVAILABILITY(%)	97.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	6427
NOMINAL FLUX(lm)	6578.27	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	6578
TEST VOLTAGE(V)	220	θ @50%(H,V)	109,108DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	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
80	0.02	0.06	0.24	0.71	1.56	2.60	3.51	4.16	4.51	4.54	4.24	3.63	2.76	1.77	0.90	0.33	0.09	0.01	35.6	0.00
70	0.01	0.14	0.81	2.29	4.54	7.23	9.85	11.9	13.1	13.0	11.9	9.91	7.39	4.77	2.50	0.98	0.22	0.02	101	78.3
60	0.02	0.35	1.74	4.88	9.94	16.1	22.2	26.8	29.1	29.0	26.2	21.5	15.6	9.83	5.06	1.91	0.43	0.03	221	214
50	0.03	0.60	2.96	8.55	17.6	27.8	36.9	43.5	46.9	46.8	42.9	35.9	26.7	16.7	8.45	3.15	0.69	0.04	366	362
40	0.04	0.88	4.41	12.9	25.5	38.0	48.0	55.0	58.8	58.7	54.8	47.5	37.1	24.2	12.3	4.52	0.97	0.06	484	481
30	0.06	1.15	5.88	17.0	31.4	44.2	54.8	62.5	66.6	66.5	62.3	54.5	43.8	30.6	16.1	5.87	1.25	0.08	565	562
20	0.07	1.38	7.18	20.2	35.1	48.4	59.7	68.0	72.2	72.1	67.7	59.3	47.8	34.4	19.0	6.98	1.45	0.09	621	619
10	0.08	1.53	7.99	21.9	37.0	50.7	62.5	71.0	75.5	75.4	70.8	62.2	50.3	36.5	20.9	7.71	1.60	0.10	654	652
0	0.09	1.58	8.27	22.3	37.6	51.5	63.4	72.1	76.7	76.5	71.8	63.0	51.0	37.0	21.4	7.85	1.62	0.10	664	662
-10	0.08	1.52	7.84	21.5	36.7	50.6	62.3	70.9	75.3	75.3	70.7	62.0	50.2	36.3	20.6	7.54	1.56	0.10	651	649
-20	0.08	1.36	6.94	19.4	34.5	48.0	59.3	67.6	71.7	71.8	67.1	58.8	47.4	33.9	18.4	6.62	1.37	0.09	614	612
-30	0.07	1.12	5.55	15.9	30.1	43.3	54.0	61.8	65.8	65.8	61.6	53.7	42.9	29.5	15.1	5.41	1.14	0.08	553	550
-40	0.06	0.85	4.08	11.7	23.4	35.8	46.1	53.4	57.2	57.1	53.2	45.8	35.4	22.5	11.1	3.96	0.84	0.06	463	459
-50	0.05	0.57	2.66	7.39	15.0	24.6	33.6	39.9	43.2	43.2	39.7	33.1	24.0	14.6	7.19	2.57	0.58	0.05	332	327
-60	0.04	0.34	1.50	3.99	7.91	12.8	17.6	21.6	23.8	23.7	21.5	17.5	12.6	7.82	3.85	1.39	0.34	0.04	178	169
-70	0.04	0.17	0.66	1.71	3.27	4.99	6.61	7.90	8.62	8.69	8.05	6.76	4.99	3.11	1.55	0.60	0.17	0.04	67.9	32.3
-80	0.02	0.05	0.13	0.35	0.65	0.90	1.06	1.11	1.09	1.05	0.99	0.84	0.58	0.33	0.17	0.07	0.04	0.02	9.45	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	0.85	13.7	68.8	193	352	507	641	739	790	789	735	636	501	344	185	67.5	14.4	1.01	6578	---
Φ a	0.00	3.46	58.3	184	342	498	632	730	782	781	727	626	491	337	175	57.0	3.62	0.00	---	6427

one-half-peak spread: U:52.4,D:55.9 , L:52.4,R:57.4

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-1

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0248]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.2V I:0.2004A P:43.60W PF:0.9880 Lamp Flux:6578.27x1 lm		
NAME: EV45B1205	TYPE:	WEIGHT:2.48KG
SPEC.:	DIM.: 347*244*69mm	SERIAL No.:1
MFR.: Integratech	SUR.:185*170mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

3935 lm

%lum = 59.9%

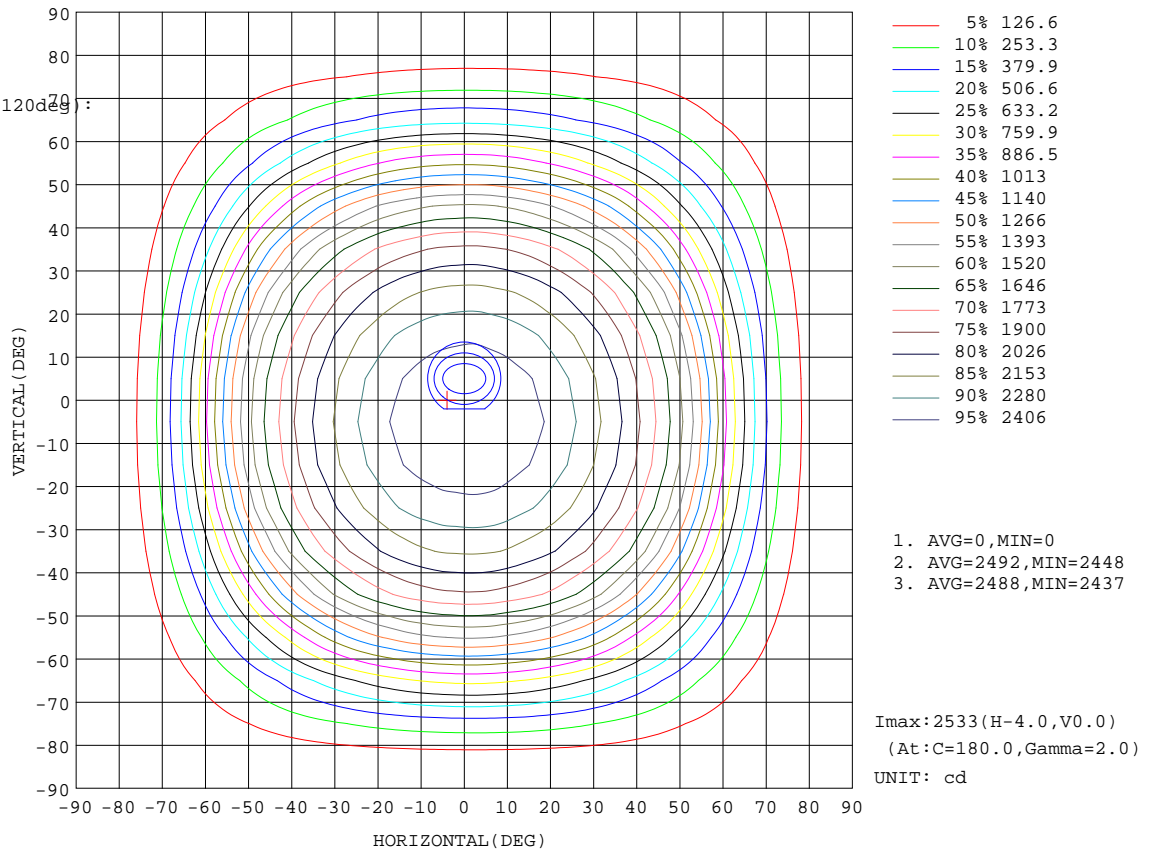
%lamp = 59.8%

Conical surface Flux(120deg):

5680.1 lm

%lum = 86.5%

%lamp = 86.3%



H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-6-1

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290

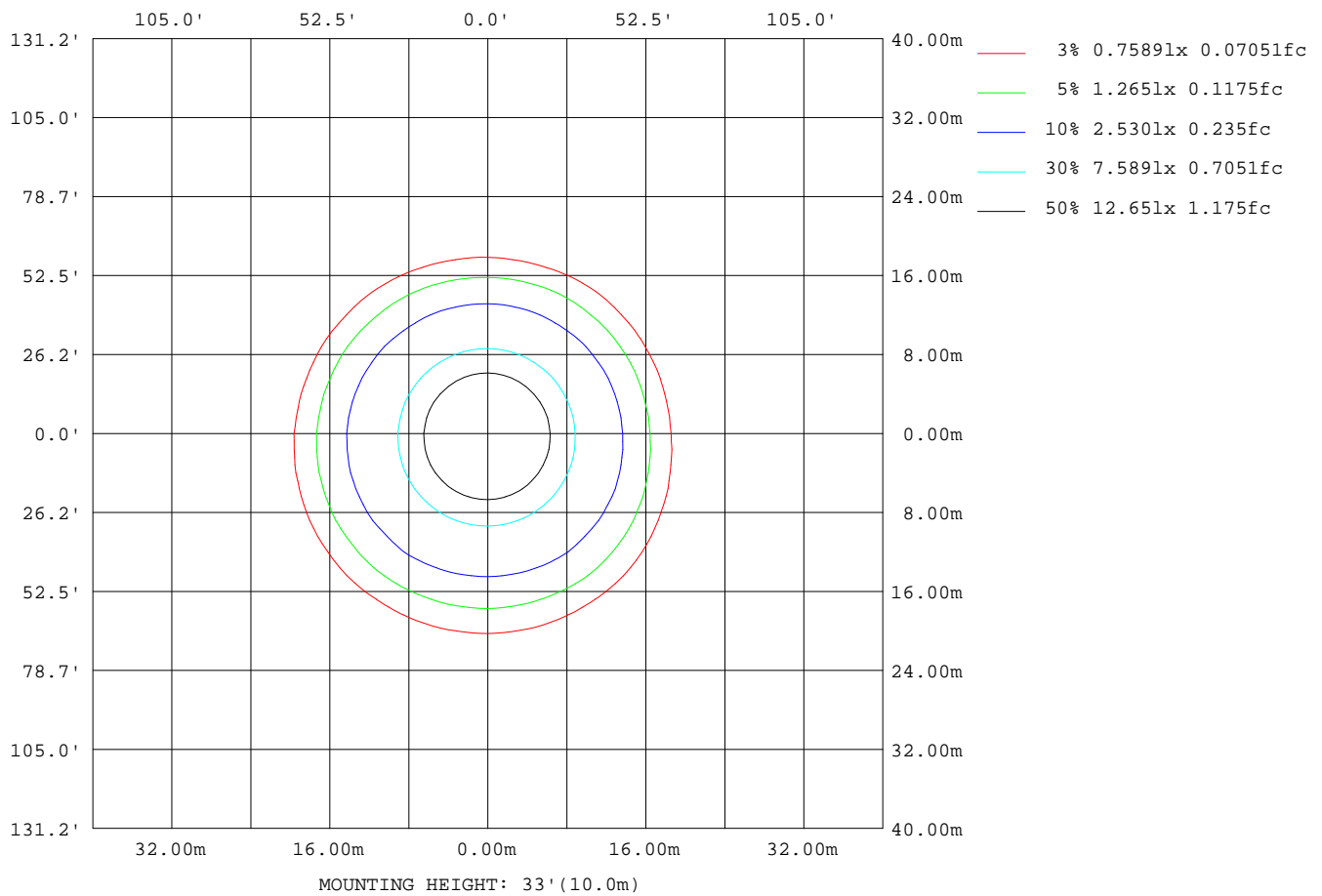
Humidity:65.0%

Test Distance:11.710m [K=1.0248]

Remarks:

ISOLUX DIAGRAM

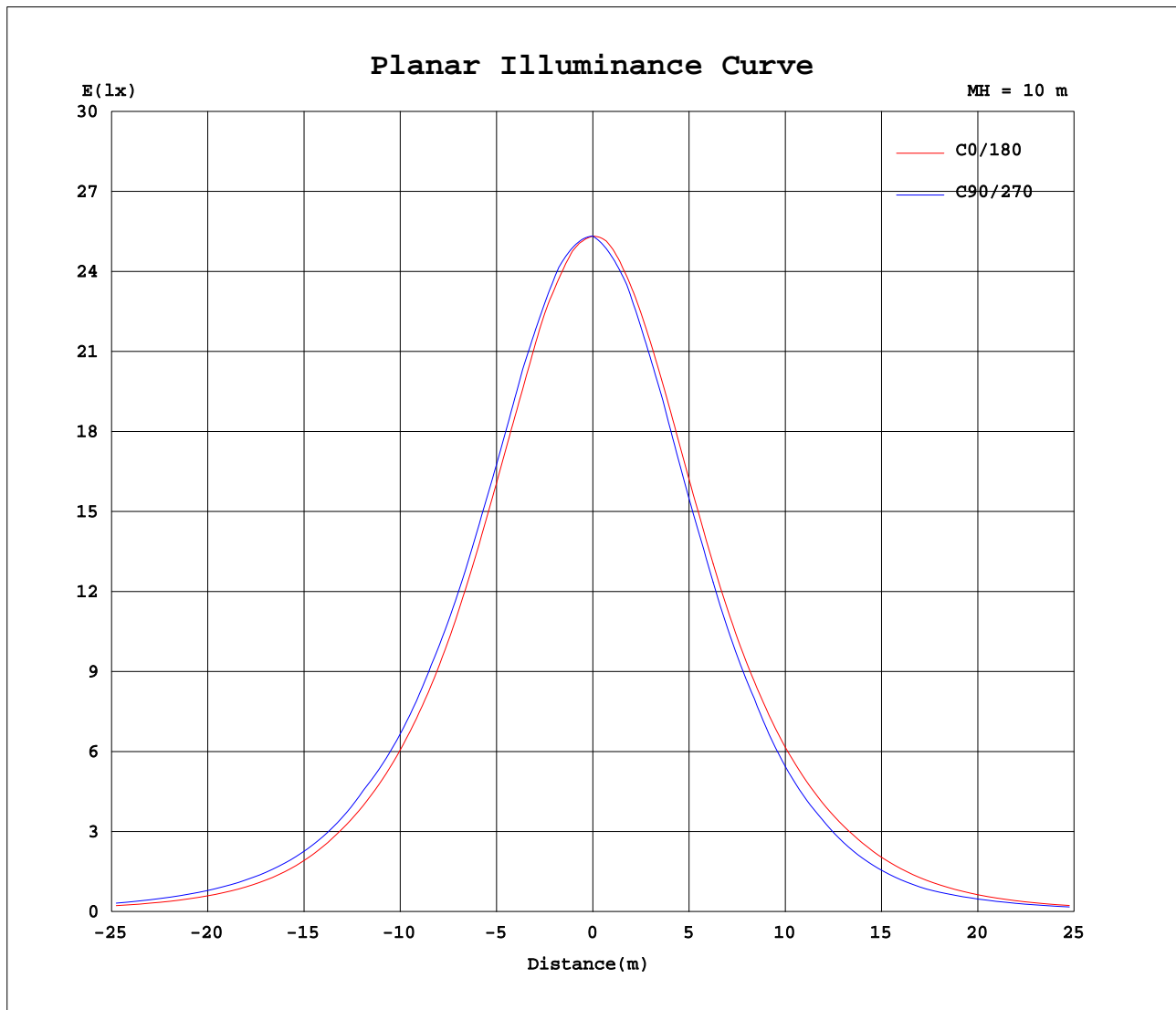
Test:U:220.2V I:0.2004A P:43.60W PF:0.9880 Lamp Flux:6578.27x1 lm		
NAME: EV45B1205	TYPE:	WEIGHT:2.48KG
SPEC.:	DIM.: 347*244*69mm	SERIAL No.:1
MFR.: Integratech	SUR.:185*170mm	PROTECTION ANGLE:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-1

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0248]
Remarks:

Planar Illuminance Curve

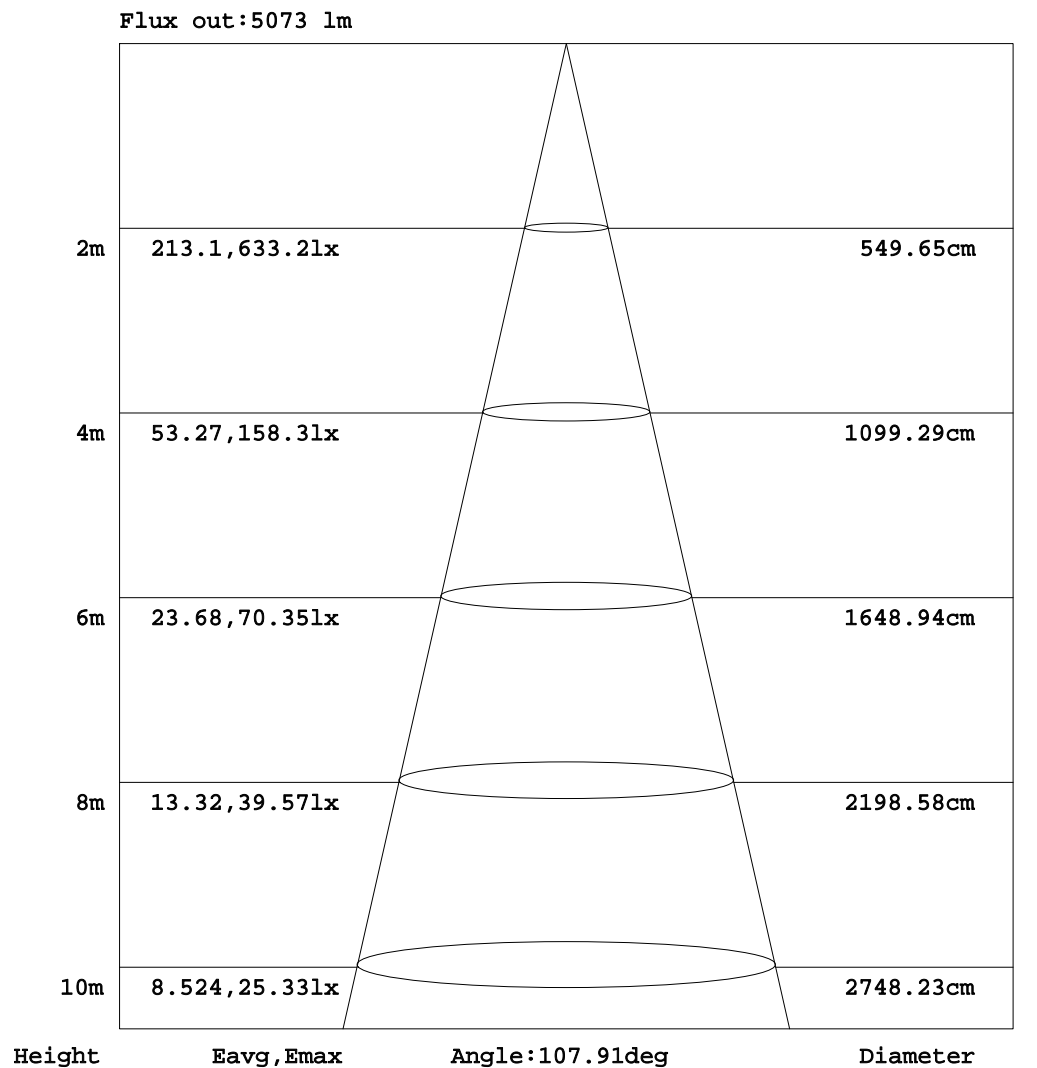


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-6-1

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0248]
Remarks:

AAI Figure

Test:U:220.2V I:0.2004A P:43.60W PF:0.9880 Lamp Flux:6578.27x1 lm		
NAME: EV45B1205	TYPE:	WEIGHT:2.48KG
SPEC.:	DIM.: 347*244*69mm	SERIAL No.:1
MFR.: Integrattech	SUR.:185*170mm	PROTECTION ANGLE:



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:
Test Date:2022-6-1

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0248]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.2004A P:43.60W PF:0.9880 Lamp Flux:6578.27x1 lm																	
NAME: EV45B1205									TYPE:						WEIGHT:2.48KG		
SPEC.:									DIM.: 347*244*69mm						SERIAL No.:1		
MFR.: Integratech									SUR.:185*170mm						PROTECTION ANGLE:		

Table--1

UNIT: cd

H(DEC) V(DEC)	-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	12.2	13.9	13.7	14.6	18.7	28.7	42.3	58.1	75.3	92.8	107	120	130	139	146	150	152	154	155
-75	10.9	13.5	13.7	18.0	28.8	46.0	68.9	96.0	126	157	187	215	240	263	283	298	310	318	321
-70	11.5	13.5	15.5	28.7	51.2	79.8	115	157	201	246	290	331	369	404	433	457	474	485	490
-65	10.1	12.9	15.6	32.0	61.3	102	153	214	282	356	433	506	574	636	689	731	765	783	794
-60	10.7	13.2	25.3	56.3	101	161	237	323	421	526	636	737	830	913	981	1035	1073	1092	1099
-55	9.34	12.2	21.2	53.9	106	177	272	387	520	660	803	941	1067	1173	1254	1317	1364	1391	1405
-50	10.0	13.7	38.8	88.1	162	263	395	554	728	908	1085	1253	1394	1504	1577	1644	1681	1702	1711
-45	8.73	11.5	30.1	79.6	158	268	419	608	815	1025	1221	1388	1530	1641	1728	1794	1841	1873	1884
-40	9.49	15.8	54.6	127	233	384	587	823	1070	1307	1499	1644	1760	1853	1932	1989	2031	2052	2057
-35	8.25	11.1	39.0	105	210	365	577	835	1101	1346	1544	1703	1829	1932	2018	2085	2133	2163	2171
-30	9.02	17.8	67.1	158	298	501	767	1059	1339	1555	1724	1867	1984	2083	2163	2222	2262	2282	2288
-25	7.80	10.8	46.7	127	256	453	724	1028	1323	1554	1735	1891	2015	2123	2209	2281	2329	2357	2367
-20	8.47	20.3	79.5	187	354	608	921	1241	1510	1702	1874	2014	2139	2234	2317	2384	2418	2441	2450
-15	7.25	10.4	51.6	143	289	516	825	1155	1449	1662	1842	1999	2125	2235	2324	2397	2445	2476	2487
-10	7.80	20.5	83.8	199	385	658	996	1321	1573	1764	1942	2086	2204	2308	2393	2451	2499	2520	2526
-5	6.63	9.94	53.3	148	303	545	867	1206	1489	1700	1880	2031	2162	2273	2365	2434	2485	2519	2530
0	7.11	20.6	86.0	204	391	676	1015	1341	1587	1781	1948	2087	2215	2316	2398	2459	2501	2532	2530
5	6.07	9.21	51.5	145	296	532	847	1180	1464	1674	1851	1999	2129	2241	2330	2398	2450	2482	2495
10	6.53	18.2	78.9	189	365	626	948	1271	1524	1713	1878	2018	2140	2242	2326	2382	2429	2446	2460
15	5.66	8.28	46.3	132	268	477	765	1080	1367	1580	1754	1905	2029	2139	2223	2293	2342	2370	2383
20	6.12	16.0	70.1	168	319	542	833	1134	1398	1594	1759	1893	2010	2104	2185	2247	2286	2305	2310
25	5.45	7.44	38.6	111	225	396	634	910	1183	1410	1588	1739	1859	1962	2044	2111	2156	2187	2198
30	5.78	12.2	55.0	134	252	424	651	907	1163	1379	1548	1684	1796	1887	1962	2017	2057	2082	2086
35	5.32	6.65	29.1	85.1	173	301	474	690	920	1139	1325	1480	1603	1702	1786	1844	1888	1920	1930
40	5.53	9.25	40.7	99.6	185	304	461	656	859	1053	1235	1383	1493	1589	1663	1709	1749	1767	1776
45	5.14	6.01	19.4	58.8	121	206	320	464	627	794	955	1098	1217	1317	1400	1458	1502	1529	1539
50	5.31	6.84	24.6	62.4	119	192	286	401	530	664	794	914	1022	1116	1189	1245	1283	1300	1303
55	4.94	5.54	11.1	34.3	72.2	124	189	270	362	460	559	654	740	817	882	932	966	985	992
60	5.08	5.72	12.0	33.1	63.7	105	154	209	272	336	401	464	521	575	617	648	669	679	679
65	4.76	5.13	6.70	15.6	33.9	60.0	92.7	131	173	217	262	305	344	379	411	435	452	462	466
70	4.82	5.00	6.01	10.5	23.0	40.3	60.8	84.2	108	133	156	177	195	211	225	236	244	248	250
75	4.58	4.73	5.17	6.57	11.3	19.4	29.8	43.1	58.8	75.2	91.7	107	120	131	140	147	152	156	157
80	4.57	4.57	5.01	5.30	5.40	6.21	8.63	14.3	22.2	31.0	39.9	48.1	54.5	58.6	61.4	63.2	63.7	64.5	64.8
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
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:
Test Date:2022-6-1

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0248]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.2004A P:43.60W PF:0.9880 Lamp Flux:6578.27x1 lm																	
NAME: EV45B1205									TYPE:						WEIGHT:2.48KG		
SPEC.:									DIM.: 347*244*69mm						SERIAL No.:1		
MFR.: Integratech									SUR.:185*170mm						PROTECTION ANGLE:		

Table--2

UNIT: cd

H(DEC) V(DEC)	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	153	151	147	142	133	122	107	91.0	74.9	60.2	47.0	35.3	25.1	17.9	15.5	15.2	14.6	11.9	
-75	322	317	309	295	278	255	229	199	167	135	105	77.5	54.3	36.9	24.9	17.1	15.0	13.0	
-70	487	477	460	435	406	369	327	282	233	185	139	99.7	68.0	45.2	26.9	16.2	14.5	11.7	
-65	791	774	749	709	662	605	539	467	393	316	243	175	120	77.6	46.5	25.1	15.0	12.7	
-60	1084	1053	1009	947	876	790	694	593	490	388	288	203	135	82.3	47.0	22.1	14.0	11.3	
-55	1399	1370	1332	1274	1196	1101	982	849	712	574	438	316	214	135	76.7	38.9	15.9	12.2	
-50	1697	1661	1612	1543	1447	1323	1163	993	825	650	485	342	224	136	71.7	32.9	13.4	10.8	
-45	1879	1850	1808	1749	1664	1560	1428	1267	1078	870	667	483	326	202	112	53.1	18.2	11.5	
-40	2043	2008	1960	1895	1805	1702	1569	1394	1168	925	696	492	320	188	96.5	41.6	12.8	10.3	
-35	2168	2143	2097	2041	1957	1861	1739	1591	1400	1165	901	655	441	270	148	67.0	21.6	10.7	
-30	2278	2243	2192	2127	2037	1924	1800	1646	1455	1192	899	638	412	243	125	51.0	12.8	9.64	
-25	2365	2337	2290	2229	2146	2046	1922	1781	1608	1389	1098	800	538	329	179	79.1	24.6	9.89	
-20	2439	2393	2345	2270	2180	2066	1936	1787	1601	1363	1049	742	483	280	142	55.7	12.2	8.95	
-15	2482	2454	2407	2345	2260	2153	2031	1890	1716	1512	1227	901	609	371	200	87.8	26.7	8.94	
-10	2511	2480	2426	2353	2261	2145	2019	1861	1679	1455	1142	812	527	308	156	60.6	12.3	8.08	
-5	2521	2494	2451	2384	2298	2193	2069	1924	1753	1552	1277	941	636	388	208	90.9	27.1	7.97	
0	2516	2477	2429	2346	2257	2146	2010	1856	1675	1451	1144	811	527	306	153	58.5	11.0	7.19	
5	2486	2459	2416	2347	2265	2163	2038	1892	1725	1521	1245	916	620	378	203	88.5	25.8	7.03	
10	2441	2407	2350	2288	2197	2084	1955	1798	1624	1392	1082	768	501	293	149	57.1	10.3	6.34	
15	2376	2351	2305	2244	2161	2062	1940	1795	1629	1419	1132	830	563	345	186	80.9	23.2	6.24	
20	2292	2263	2213	2143	2050	1947	1813	1662	1481	1234	934	663	435	254	128	49.3	8.38	5.68	
25	2192	2165	2124	2062	1983	1887	1769	1624	1453	1221	950	695	470	291	158	68.8	19.1	5.60	
30	2070	2037	1991	1925	1841	1739	1611	1457	1252	999	755	533	351	209	107	42.3	7.07	5.13	
35	1924	1898	1858	1797	1722	1625	1504	1346	1162	945	730	536	363	226	124	54.9	14.2	5.07	
40	1759	1731	1680	1613	1529	1421	1275	1093	904	717	544	390	255	153	77.1	31.1	5.53	4.70	
45	1534	1507	1461	1399	1319	1220	1102	957	803	648	502	370	253	159	87.2	40.1	9.24	4.65	
50	1290	1252	1195	1126	1034	930	818	697	577	460	351	253	169	102	53.2	20.9	4.84	4.35	
55	987	964	925	876	814	739	656	568	480	389	304	226	155	98.5	55.5	25.1	5.96	4.35	
60	669	649	617	581	535	483	427	370	308	249	192	139	92.8	57.1	30.9	9.60	4.44	4.17	
65	461	451	434	413	385	353	317	278	237	194	153	114	79.7	51.0	28.8	11.6	4.63	4.18	
70	248	243	234	224	211	194	176	154	131	106	81.5	60.2	42.3	25.7	11.2	4.85	4.27	4.09	
75	157	155	151	145	137	128	116	103	88.1	71.8	55.5	41.0	28.7	18.8	10.6	5.30	4.37	4.16	
80	64.9	64.5	63.0	60.6	57.4	52.5	46.6	40.0	32.5	24.9	17.5	11.1	6.49	4.84	4.60	4.49	4.24	4.15	
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	
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:

Test Date:2022-6-1

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.710m [K=1.0248]

Remarks: