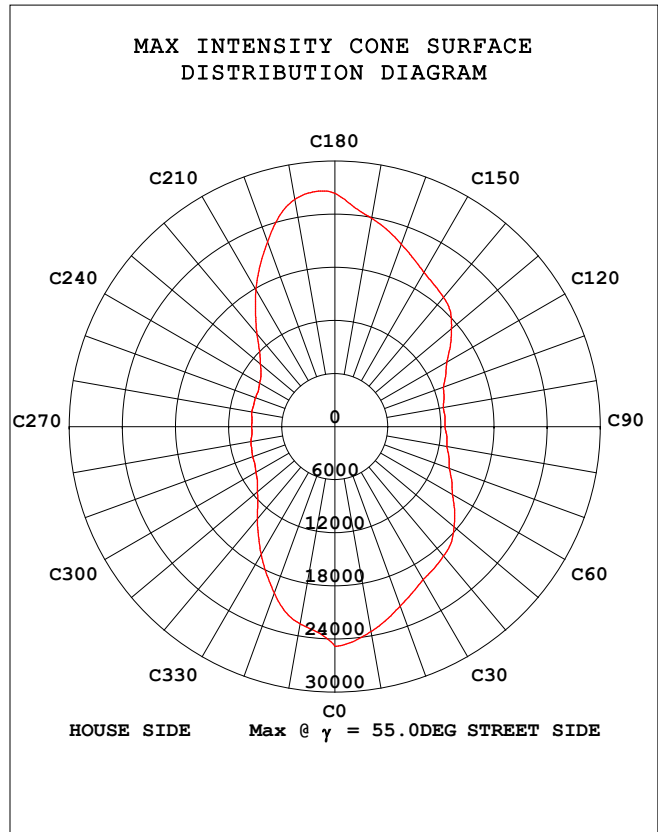
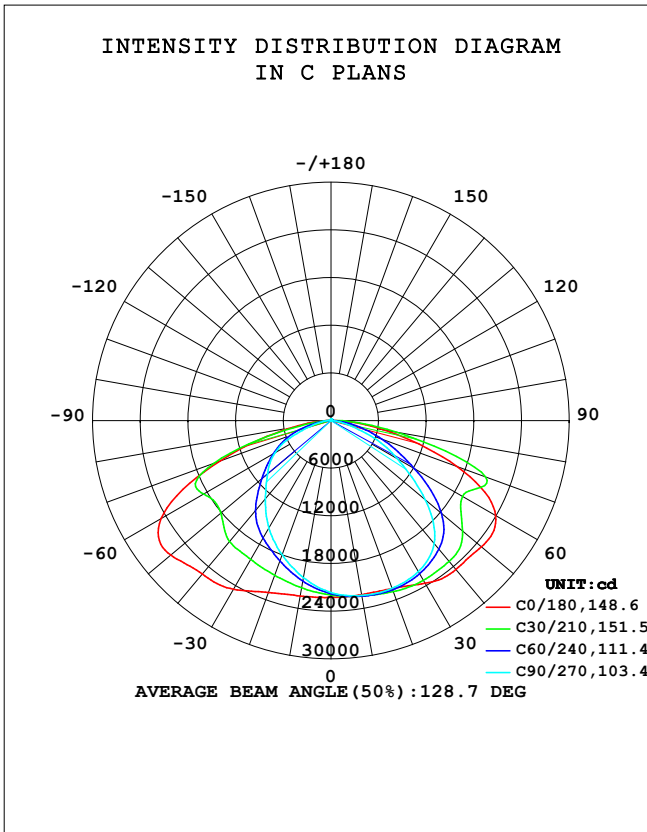


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 171.81 lm/W			
MODEL	ASD-LSB5BHV-PRO-500BR	I _{max} (cd)	26638	η street_up (%)	0.4
NOMINAL POWER (W)	500	LOR (%)	100.0	η street_down (%)	53.8
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	83851	η house_up (%)	0.5
NOMINAL FLUX (lm)	83851.4	MAXIMUM @ (C, γ)	185,55.0	η house_down (%)	45.3
LAMPS INSIDE	1	η up (%)	0.9	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	99.1	SLI	

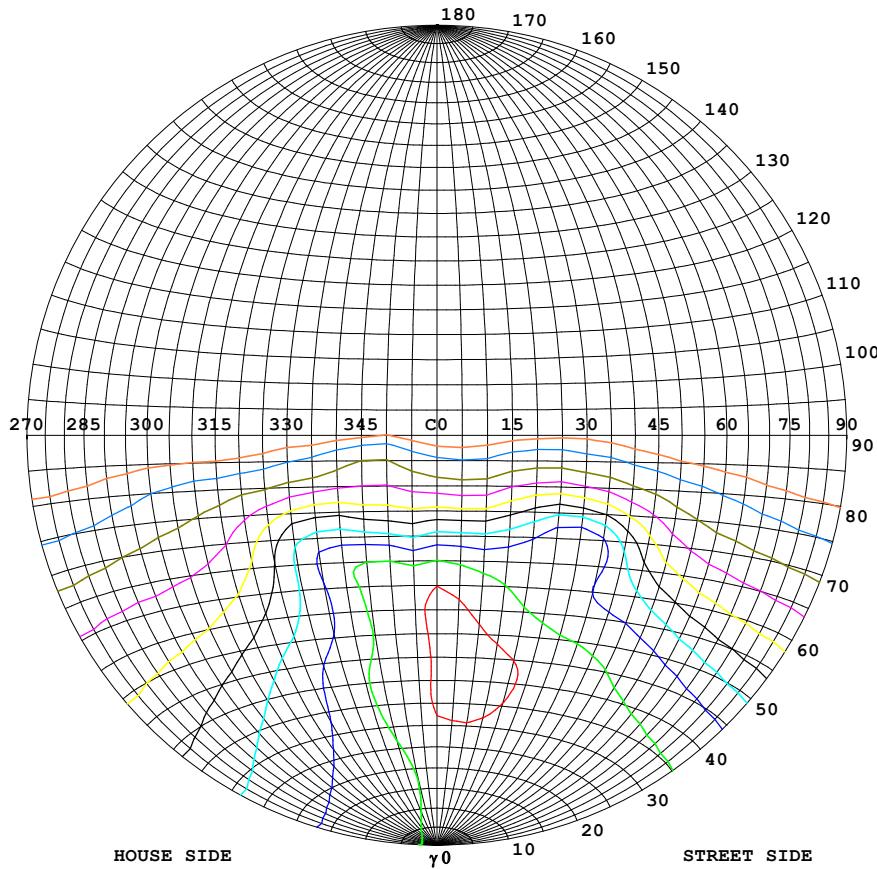


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.850m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



Classification:

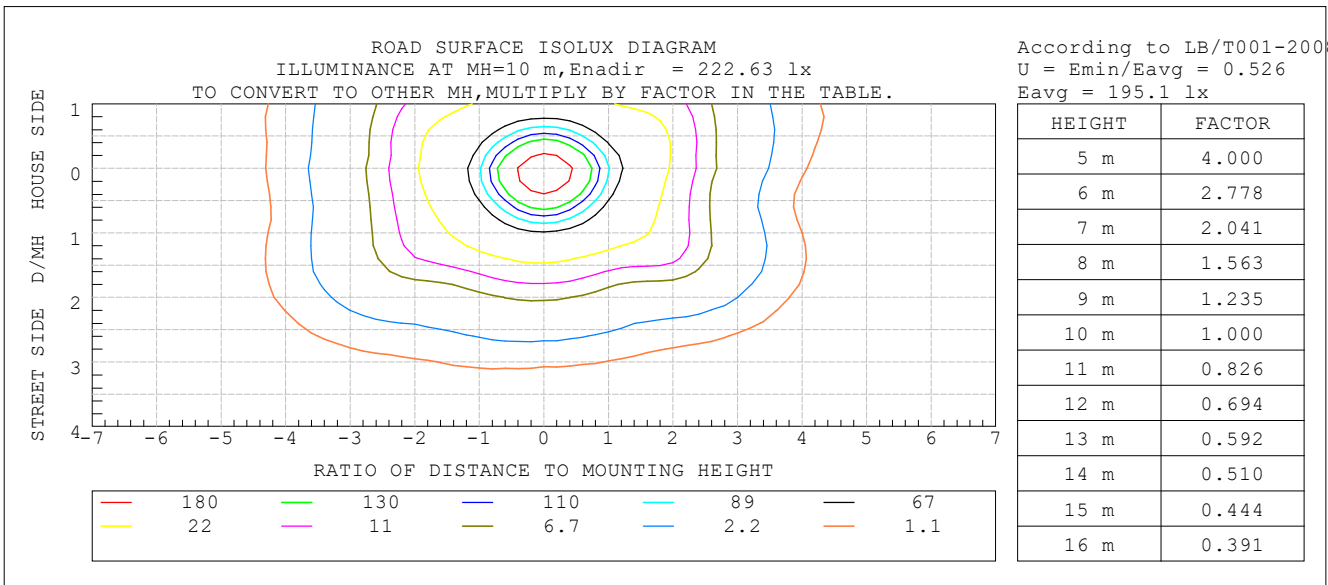
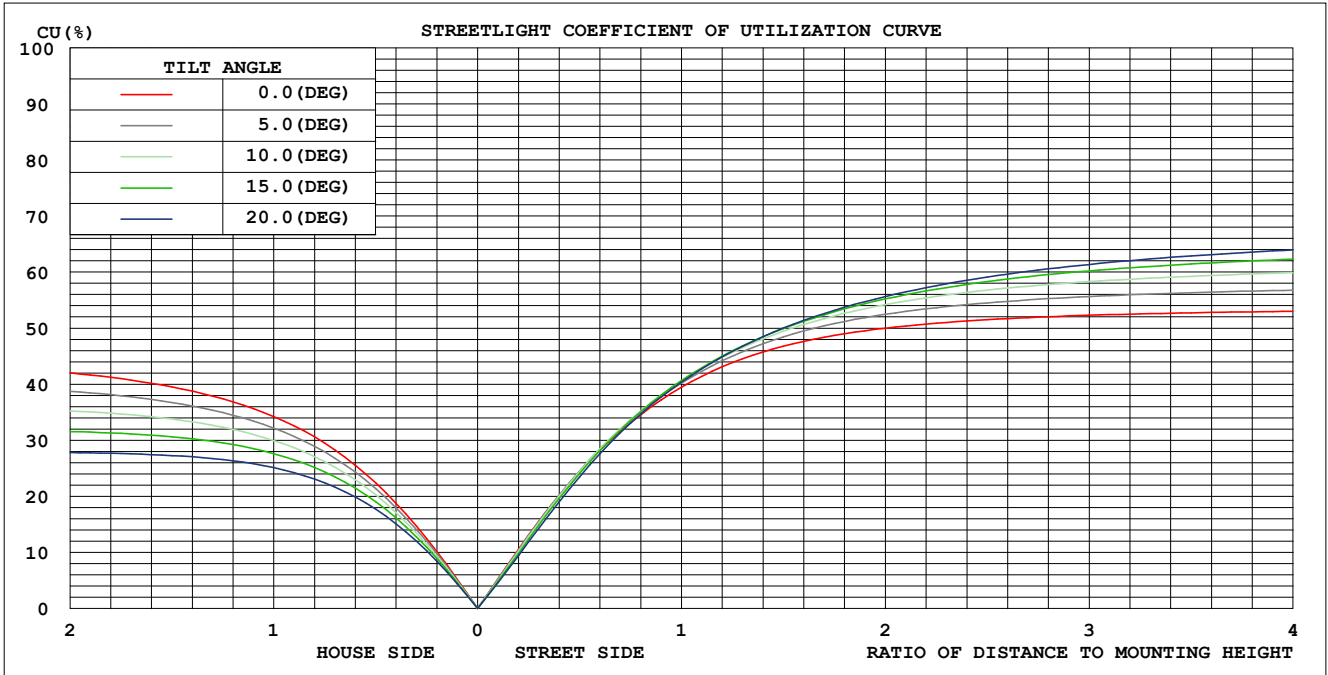
IES:Type III - Short
 CIE:Narrow - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:108.1cd/klm
 Max.At90:16.76cd/klm
 Max.80-90:108.1cd/klm
 NRB 5101:Semi limited[15.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	26638
90%	23974
80%	21310
70%	18647
60%	15983
50%	13319
40%	10655
30%	7991
20%	5328
10%	2664
5%	1332

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.850m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

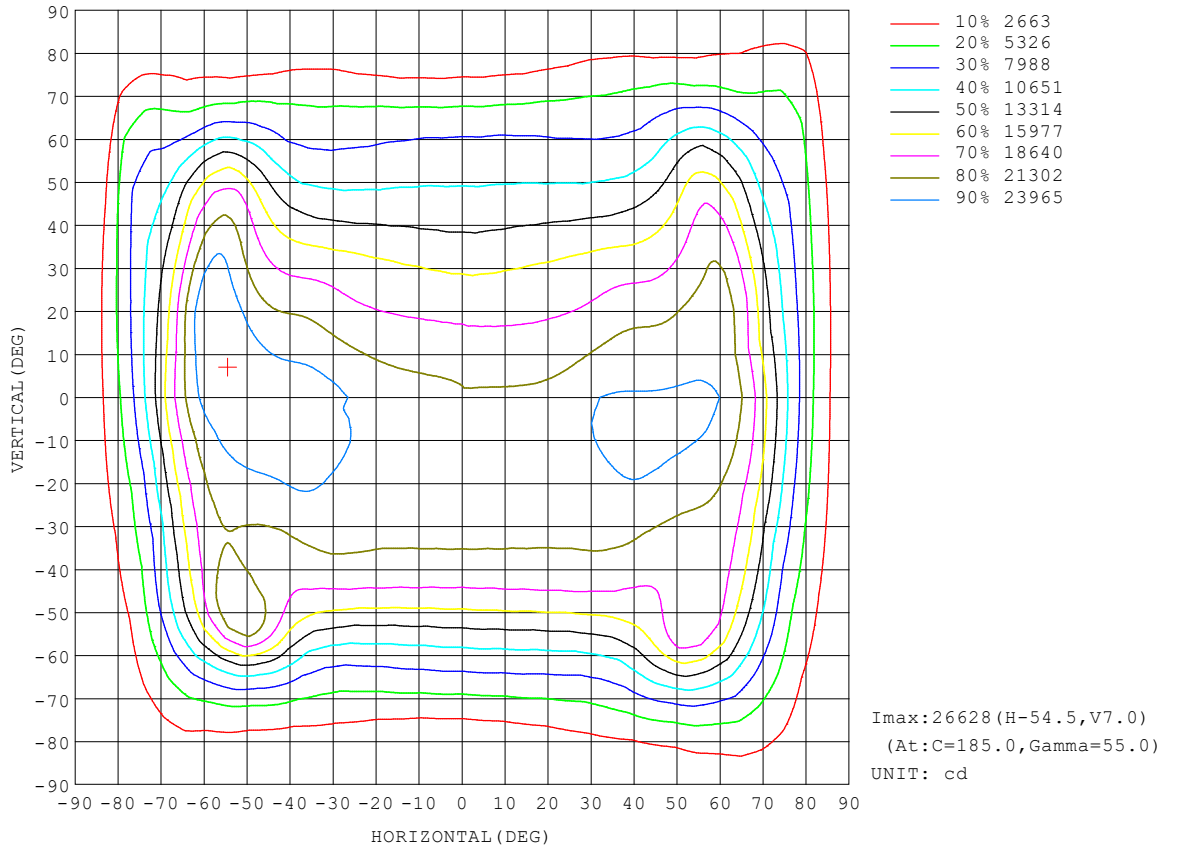
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2225	2246	2236	2228	2242	2089	2008	2048	0- 10	2068	2068	2.47,2.47
20	2251	2282	2248	2283	2303	1962	1798	1912	10- 20	6060	8128	9.69,9.69
30	2366	2267	2198	2276	2453	1831	1563	1787	20- 30	9739	17867	21.3,21.3
40	2447	2191	2020	2219	2523	1696	1287	1658	30- 40	12863	30730	36.6,36.6
50	2472	2031	1548	2014	2633	1384	1046	1396	40- 50	14720	45449	54.2,54.2
60	2393	1654	968.2	1664	2469	1033	815.0	1078	50- 60	14762	60212	71.8,71.8
70	1687	1155	473.4	1086	1485	707.1	420.8	792.4	60- 70	13210	73422	87.6,87.6
80	666.0	477.3	129.1	318.8	490.4	234.9	151.1	386.5	70- 80	7661	81083	96.7,96.7
90	21.79	30.54	1.838	3.855	8.054	8.106	4.336	12.74	80- 90	1985	83068	99.1,99.1
100	10.16	5.682	3.481	6.277	12.39	9.338	5.612	9.128	90-100	86.61	83155	99.2,99.2
110	14.03	8.318	5.563	8.822	15.80	12.18	8.706	11.62	100-110	96.52	83251	99.3,99.3
120	16.06	10.80	7.800	10.96	17.55	14.77	11.96	14.60	110-120	117.2	83368	99.4,99.4
130	16.51	12.79	9.996	12.03	17.84	15.79	14.65	16.63	120-130	124.0	83492	99.6,99.6
140	15.88	14.08	11.88	12.69	17.27	16.46	16.41	17.48	130-140	115.5	83608	99.7,99.7
150	16.30	15.43	13.57	13.73	17.58	17.31	17.36	18.27	140-150	98.49	83706	99.8,99.8
160	17.77	16.98	15.13	15.04	18.73	17.91	18.13	18.85	150-160	77.15	83783	99.9,99.9
170	19.44	18.18	16.72	16.82	19.83	18.52	18.48	19.05	160-170	50.38	83834	100,100
180	20.17	18.70	18.04	18.44	20.21	18.68	18.04	18.43	170-180	17.69	83851	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

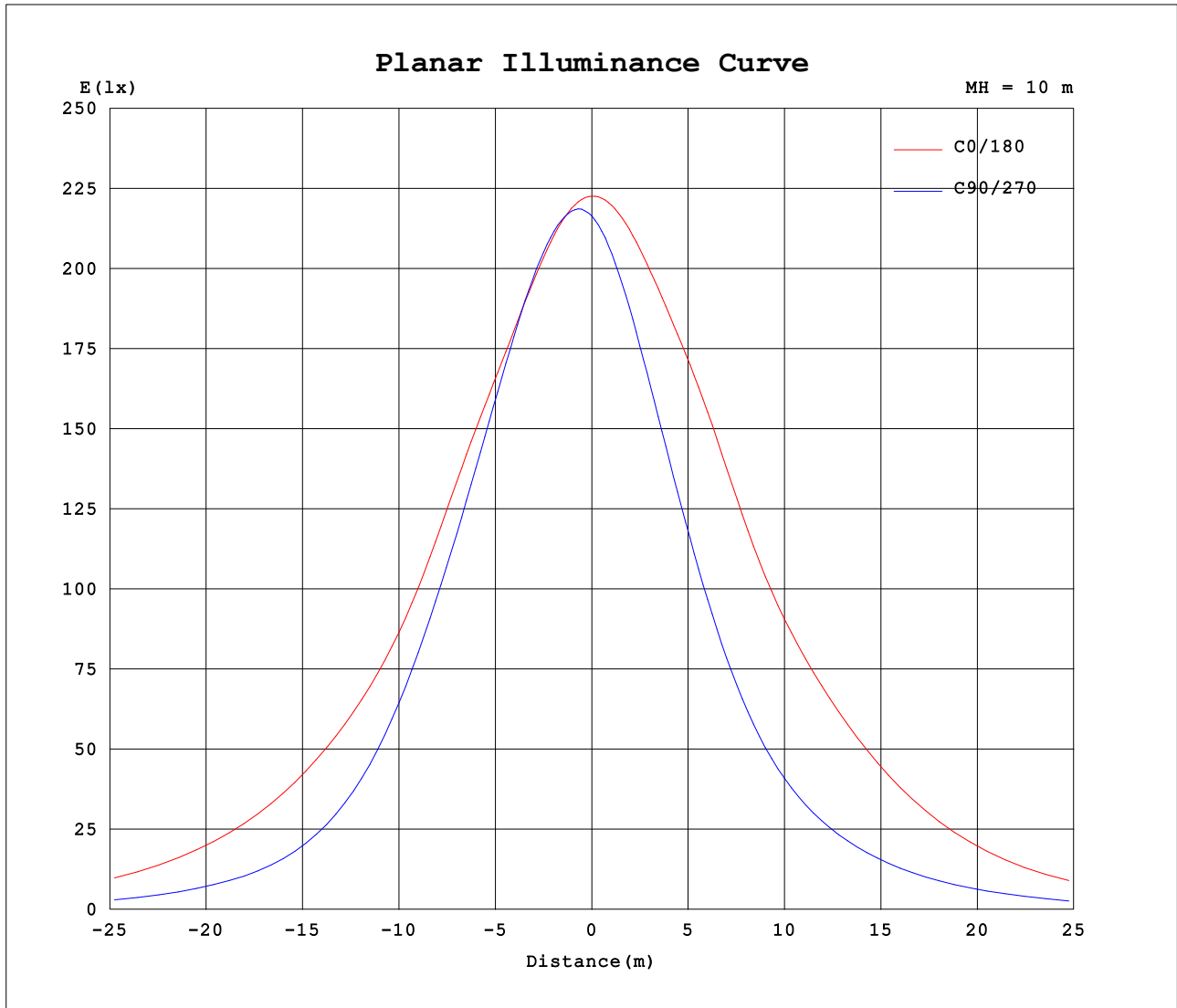
Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:03 April 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

Planar Illuminance Curve



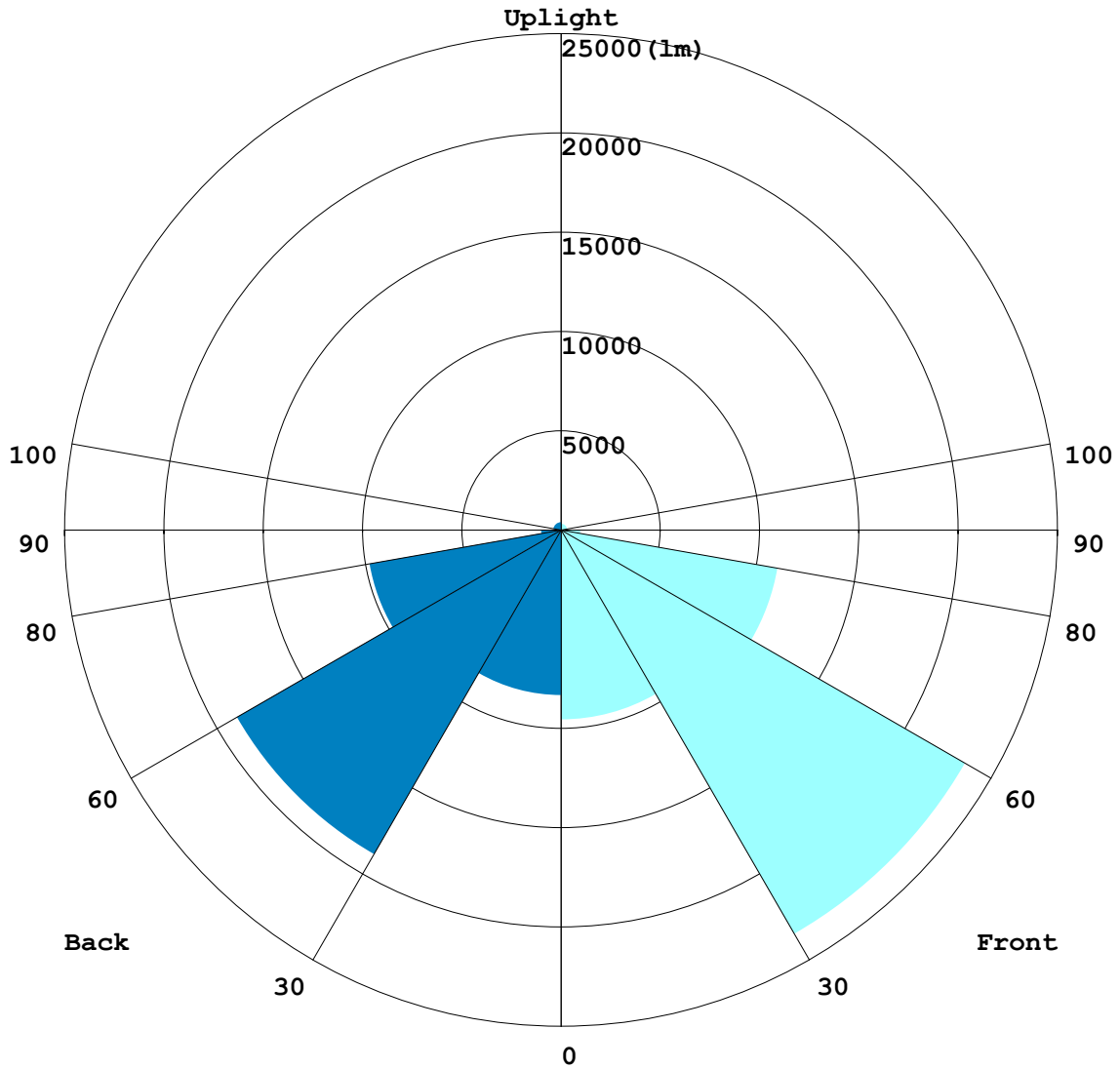
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.850m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz		
Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	9546.3	11.4
FM - Front-Medium(30-60)	23493	28.0
FH - Front-High(60-80)	11073	13.2
FVH - Front-Very High(80-90)	972.36	1.2
Total Forward Light	45429	54.2

BL - Back-Low(0-30)	8320.7	9.9
BM - Back-Medium(30-60)	18852	22.5
BH - Back-High(60-80)	9797.5	11.7
BVH - Back-Very High(80-90)	1013	1.2
Total Back Light	38422	45.8

UL - Uplight-Low(90-100)	86.61	0.1
UH - Uplight-High(100-180)	696.87	0.8
Total Up Light	783.48	0.9

BUG(Back,Up,Glare) Rating	B5-U4-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	37983	439.24	38422
Street Side	45085	344.24	45429

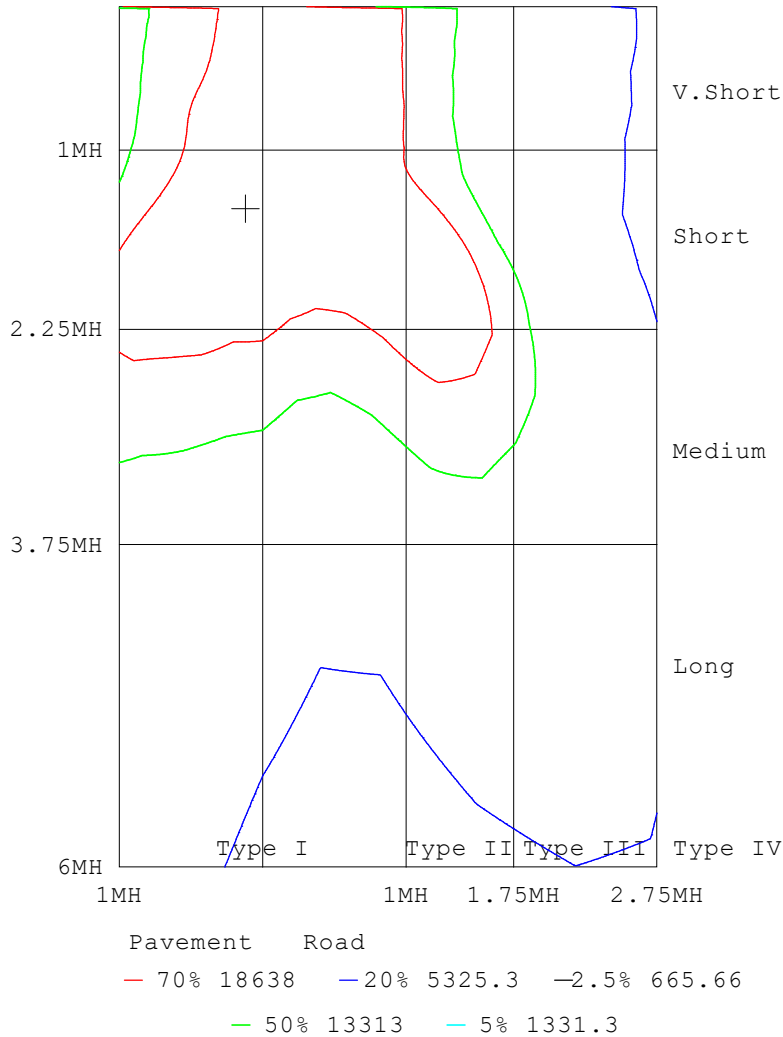
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2226	2219	2213	2207	2204	2198	2195	2191	2190	2187	2184	2181	2179	2175	2174	2171	2169	2165	2164
5	2224	2222	2222	2220	2220	2220	2220	2219	2221	2220	2220	2219	2220	2217	2216	2214	2214	2211	2209
10	2225	2228	2231	2234	2237	2240	2242	2243	2246	2246	2246	2245	2244	2243	2242	2239	2239	2236	2236
15	2231	2239	2248	2255	2259	2262	2265	2266	2266	2266	2265	2263	2260	2258	2256	2254	2252	2250	2249
20	2251	2264	2277	2285	2290	2292	2290	2289	2286	2282	2277	2272	2267	2262	2258	2255	2251	2249	2248
25	2296	2313	2327	2329	2329	2323	2314	2304	2294	2285	2274	2265	2257	2250	2244	2239	2236	2233	2231
30	2366	2381	2389	2379	2365	2345	2324	2302	2283	2267	2250	2240	2228	2221	2212	2208	2201	2200	2198
35	2430	2444	2442	2423	2394	2358	2320	2285	2254	2231	2210	2195	2181	2171	2157	2150	2139	2138	2134
40	2447	2469	2473	2455	2418	2369	2315	2266	2223	2191	2160	2138	2113	2094	2068	2053	2032	2029	2020
45	2448	2470	2463	2440	2396	2345	2284	2230	2178	2137	2094	2056	2006	1968	1919	1891	1854	1842	1825
50	2472	2469	2424	2365	2291	2229	2161	2118	2070	2031	1966	1901	1816	1753	1680	1641	1591	1574	1548
55	2482	2435	2351	2259	2157	2073	1997	1955	1909	1859	1758	1653	1536	1458	1378	1335	1286	1271	1244
60	2393	2319	2223	2139	2047	1971	1911	1864	1783	1654	1481	1342	1217	1145	1075	1041	1003	989	968
65	2140	2082	2016	2004	2009	2026	2028	1931	1692	1412	1176	1035	929	878	828	804	769	757	735
70	1687	1667	1641	1722	1841	2002	2068	1904	1503	1155	907	776	684	637	587	560	516	500	473
75	1148	1118	1116	1263	1414	1552	1493	1323	1051	835	647	538	451	403	348	322	282	271	256
80	666	623	639	785	873	906	826	727	579	477	373	313	254	217	179	163	145	139	129
85	304	273	288	382	423	422	360	320	235	190	143	121	96.5	85.1	68.2	59.6	48.7	45.0	38.8
90	21.8	41.1	40.4	86.6	82.4	107	109	76.7	39.7	30.5	20.5	12.0	11.9	7.86	8.13	4.30	2.29	2.07	1.84
95	7.98	7.73	7.58	7.25	7.08	6.58	6.15	5.51	4.99	4.33	3.81	3.36	3.06	2.81	2.71	2.59	2.58	2.54	2.59
100	10.2	9.84	9.56	9.09	8.70	8.17	7.70	7.03	6.41	5.68	5.08	4.50	4.10	3.78	3.62	3.49	3.47	3.42	3.48
105	12.3	11.9	11.5	10.9	10.4	9.78	9.18	8.43	7.76	7.01	6.36	5.73	5.27	4.86	4.67	4.51	4.48	4.42	4.49
110	14.0	13.6	13.1	12.5	11.9	11.2	10.5	9.73	9.06	8.32	7.69	7.01	6.49	6.01	5.78	5.59	5.54	5.49	5.56
115	15.3	14.8	14.3	13.7	13.1	12.4	11.8	11.0	10.4	9.61	8.95	8.25	7.70	7.19	6.91	6.70	6.67	6.61	6.67
120	16.1	15.6	15.1	14.6	14.1	13.6	13.0	12.2	11.6	10.8	10.1	9.45	8.89	8.36	8.07	7.88	7.84	7.75	7.80
125	16.5	16.1	15.7	15.3	14.9	14.4	13.8	13.2	12.6	11.9	11.2	10.6	9.98	9.49	9.28	9.10	9.01	8.90	8.93
130	16.5	16.2	15.9	15.6	15.3	14.9	14.5	14.0	13.4	12.8	12.1	11.4	11.0	10.6	10.4	10.2	10.1	9.98	10.00
135	16.2	16.0	15.9	15.7	15.5	15.3	15.0	14.6	14.0	13.4	12.9	12.3	11.9	11.6	11.5	11.2	11.1	11.0	11.0
140	15.9	15.9	15.9	15.9	15.8	15.6	15.3	14.9	14.5	14.1	13.6	13.2	12.9	12.6	12.4	12.2	12.0	11.9	11.9
145	15.8	16.0	16.1	16.1	16.1	16.0	15.7	15.4	15.1	14.7	14.4	14.1	13.8	13.5	13.3	13.1	12.9	12.8	12.7
150	16.3	16.4	16.6	16.6	16.5	16.4	16.2	16.0	15.7	15.4	15.2	14.9	14.7	14.4	14.2	14.0	13.8	13.7	13.6
155	16.9	17.0	17.1	17.1	17.1	17.0	16.9	16.7	16.5	16.2	16.0	15.7	15.5	15.3	15.1	14.8	14.7	14.5	14.4
160	17.8	17.9	17.9	17.9	17.9	17.8	17.6	17.4	17.2	17.0	16.8	16.5	16.3	16.0	15.8	15.6	15.4	15.2	15.1
165	18.6	18.7	18.7	18.7	18.7	18.6	18.4	18.2	17.9	17.7	17.5	17.2	17.0	16.7	16.5	16.3	16.1	16.0	16.0
170	19.4	19.5	19.5	19.4	19.3	19.1	18.9	18.7	18.4	18.2	18.0	17.7	17.5	17.3	17.1	16.9	16.8	16.8	16.7
175	20.1	20.0	19.9	19.8	19.6	19.4	19.2	18.9	18.7	18.4	18.2	18.1	17.9	17.8	17.6	17.5	17.5	17.4	17.4
180	20.2	20.1	19.9	19.9	19.7	19.5	19.3	19.1	18.9	18.7	18.5	18.3	18.3	18.3	18.1	18.1	18.0	18.1	18.0

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

UNIT: X10cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2158	2159	2157	2158	2158	2159	2159	2159	2158	2160	2160	2162	2162	2163	2164	2166	2166	2226	2219
5	2205	2205	2202	2203	2201	2202	2200	2199	2196	2196	2193	2192	2189	2187	2183	2180	2176	2231	2219
10	2230	2231	2229	2231	2230	2231	2230	2230	2228	2227	2224	2223	2218	2214	2207	2201	2192	2242	2224
15	2244	2245	2246	2248	2250	2252	2253	2256	2259	2261	2260	2262	2257	2253	2244	2235	2220	2262	2239
20	2245	2246	2248	2252	2257	2262	2269	2276	2283	2291	2299	2305	2307	2307	2299	2290	2271	2303	2271
25	2230	2231	2233	2238	2246	2253	2264	2276	2290	2306	2323	2340	2355	2367	2370	2368	2349	2371	2332
30	2198	2199	2203	2207	2216	2223	2238	2254	2276	2301	2330	2361	2390	2419	2434	2444	2431	2453	2408
35	2138	2140	2148	2155	2168	2179	2198	2220	2249	2284	2327	2374	2421	2462	2485	2494	2482	2504	2458
40	2029	2033	2053	2068	2093	2116	2148	2179	2219	2264	2318	2375	2429	2472	2503	2515	2504	2523	2466
45	1837	1843	1878	1906	1956	2002	2060	2105	2156	2198	2250	2299	2358	2412	2471	2515	2534	2564	2501
50	1559	1561	1600	1635	1710	1779	1879	1953	2014	2045	2088	2138	2219	2303	2400	2487	2558	2633	2593
55	1251	1245	1279	1307	1384	1461	1594	1721	1845	1911	1959	2015	2100	2196	2300	2393	2492	2637	2664
60	971	965	984	1000	1053	1116	1245	1413	1664	1903	2040	2097	2114	2132	2163	2209	2290	2469	2557
65	740	732	748	753	786	823	919	1085	1426	1906	2317	2373	2210	2034	1913	1858	1908	2058	2117
70	482	478	504	513	545	576	662	804	1086	1459	1916	2093	1969	1684	1462	1319	1339	1485	1488
75	259	257	276	291	330	361	426	509	658	821	1043	1179	1270	1194	1005	784	774	930	1049
80	131	129	137	144	167	184	215	246	319	376	475	547	640	627	544	400	385	490	653
85	40.5	40.0	45.2	47.6	54.3	56.2	65.5	72.6	98.1	127	164	190	241	237	190	129	113	166	266
90	1.88	2.01	2.08	2.29	2.44	2.71	3.00	3.52	3.85	4.52	4.87	5.42	5.72	6.61	6.39	6.81	7.02	8.05	8.70
95	2.61	2.74	2.85	3.09	3.28	3.64	4.01	4.55	5.08	5.70	6.20	6.90	7.20	7.73	7.92	8.26	8.47	10.2	10.4
100	3.50	3.65	3.77	4.06	4.28	4.70	5.13	5.71	6.28	6.96	7.50	8.15	8.58	9.04	9.27	9.57	9.88	12.4	12.5
105	4.50	4.66	4.79	5.10	5.38	5.83	6.31	6.95	7.54	8.22	8.81	9.48	10.0	10.6	10.9	11.3	11.4	14.3	14.4
110	5.58	5.73	5.87	6.19	6.50	7.02	7.52	8.21	8.82	9.53	10.1	10.8	11.3	11.9	12.3	12.7	12.9	15.8	15.9
115	6.68	6.85	6.97	7.27	7.61	8.13	8.66	9.37	10.0	10.7	11.3	11.9	12.4	13.0	13.4	13.8	14.0	16.9	17.0
120	7.81	7.98	8.09	8.35	8.65	9.16	9.69	10.3	11.0	11.7	12.3	12.9	13.4	13.9	14.3	14.7	14.8	17.5	17.7
125	8.92	9.06	9.20	9.39	9.60	9.99	10.5	11.1	11.6	12.2	12.9	13.5	14.1	14.4	14.8	15.2	15.3	17.9	18.0
130	9.97	10.1	10.2	10.4	10.5	10.8	11.1	11.5	12.0	12.5	13.0	13.7	14.2	14.7	15.0	15.2	15.4	17.8	18.0
135	10.9	11.0	11.0	11.2	11.3	11.5	11.7	12.0	12.3	12.7	13.1	13.5	14.1	14.7	14.8	15.0	15.2	17.5	17.6
140	11.8	11.8	11.8	12.0	12.1	12.2	12.3	12.5	12.7	13.0	13.2	13.5	13.9	14.2	14.7	14.7	14.9	17.3	17.2
145	12.6	12.6	12.6	12.7	12.7	12.9	13.0	13.1	13.2	13.4	13.6	13.9	14.0	14.3	14.4	14.6	14.7	17.2	17.0
150	13.4	13.4	13.3	13.3	13.3	13.4	13.5	13.7	13.7	13.9	14.0	14.3	14.5	14.8	14.8	15.0	15.0	17.6	17.4
155	14.2	14.1	14.1	14.1	14.0	14.0	14.1	14.2	14.3	14.5	14.6	14.8	14.9	15.2	15.4	15.5	15.7	18.1	17.9
160	15.0	14.9	14.9	14.9	14.8	14.9	14.9	15.0	15.0	15.2	15.3	15.5	15.7	15.9	16.1	16.3	16.6	18.7	18.5
165	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.9	15.9	16.0	16.2	16.4	16.6	16.8	16.9	17.2	17.5	19.3	19.1
170	16.6	16.6	16.6	16.6	16.6	16.7	16.7	16.7	16.8	17.0	17.1	17.4	17.5	17.7	17.8	18.1	18.4	19.8	19.6
175	17.3	17.3	17.4	17.4	17.4	17.5	17.5	17.5	17.6	17.8	18.0	18.2	18.4	18.6	18.9	19.3	19.8	20.3	20.1
180	18.0	18.0	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.6	18.8	18.9	19.1	19.2	19.4	19.7	20.2	20.2	20.1

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--3 UNIT: X10cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2213	2207	2204	2198	2195	2191	2190	2187	2184	2181	2179	2175	2174	2171	2169	2165	2164	2158	2159
5	2209	2197	2188	2177	2168	2160	2153	2144	2138	2129	2124	2116	2113	2105	2103	2096	2095	2088	2091
10	2206	2188	2171	2153	2138	2120	2107	2089	2078	2062	2052	2038	2032	2020	2017	2008	2008	1999	2003
15	2212	2185	2158	2131	2104	2076	2053	2028	2008	1985	1970	1951	1940	1925	1917	1907	1906	1898	1903
20	2234	2196	2155	2113	2072	2032	1997	1962	1933	1904	1881	1858	1843	1824	1813	1801	1798	1791	1797
25	2280	2224	2163	2103	2045	1989	1940	1895	1857	1822	1794	1765	1745	1720	1705	1690	1686	1680	1690
30	2342	2267	2182	2098	2020	1947	1886	1831	1786	1744	1709	1673	1643	1610	1589	1568	1563	1558	1574
35	2392	2309	2207	2103	2005	1917	1841	1771	1716	1659	1612	1561	1523	1481	1455	1431	1428	1423	1446
40	2397	2311	2211	2095	1988	1883	1791	1696	1620	1541	1479	1418	1377	1334	1312	1290	1287	1286	1308
45	2401	2281	2156	2024	1906	1787	1681	1561	1466	1373	1309	1251	1220	1187	1175	1158	1158	1157	1177
50	2477	2317	2138	1968	1813	1661	1525	1384	1279	1189	1137	1093	1078	1060	1057	1045	1046	1045	1063
55	2609	2455	2224	2006	1786	1565	1373	1205	1100	1019	984	957	957	951	955	941	942	942	965
60	2640	2590	2393	2141	1851	1520	1231	1033	933	868	841	820	822	814	820	811	815	816	839
65	2271	2299	2266	2140	1884	1466	1102	876	777	721	699	676	671	655	657	646	656	656	678
70	1575	1657	1772	1749	1567	1190	901	707	624	571	548	510	482	442	429	411	421	422	452
75	1147	1144	1163	1082	946	729	597	496	452	405	365	319	289	256	251	244	252	251	270
80	869	838	662	488	399	310	269	235	235	216	201	172	160	149	148	144	151	151	161
85	460	376	242	150	126	100	83.1	69.7	73.3	69.9	72.6	67.7	69.2	63.4	64.0	60.2	65.7	64.8	73.9
90	8.56	9.20	8.84	8.89	8.73	8.64	8.34	8.11	7.72	7.44	7.07	6.67	6.45	5.37	4.74	3.96	4.34	4.45	6.12
95	10.3	10.3	10.0	9.79	9.37	9.00	8.49	8.00	7.38	6.81	6.17	5.65	5.14	4.82	4.54	4.45	4.32	4.35	4.34
100	12.4	12.2	11.8	11.5	10.9	10.4	9.84	9.34	8.72	8.18	7.54	7.04	6.50	6.19	5.88	5.76	5.61	5.64	5.63
105	14.3	14.0	13.6	13.1	12.4	11.9	11.2	10.7	10.1	9.68	9.10	8.62	8.07	7.73	7.39	7.26	7.10	7.14	7.13
110	15.8	15.5	15.0	14.5	13.8	13.3	12.6	12.2	11.7	11.2	10.7	10.2	9.69	9.34	9.00	8.87	8.71	8.75	8.75
115	16.9	16.7	16.2	15.7	15.1	14.7	14.1	13.6	13.1	12.7	12.2	11.7	11.2	10.9	10.6	10.5	10.4	10.4	10.4
120	17.7	17.6	17.2	16.8	16.2	15.7	15.2	14.8	14.3	13.9	13.4	13.0	12.6	12.4	12.2	12.1	12.0	12.0	12.0
125	18.1	18.0	17.7	17.3	16.8	16.4	15.9	15.5	15.1	14.7	14.3	14.1	13.9	13.8	13.6	13.5	13.4	13.5	13.5
130	18.1	18.0	17.8	17.5	17.0	16.6	16.2	15.8	15.5	15.2	15.1	15.0	15.0	14.9	14.8	14.7	14.6	14.7	14.7
135	17.7	17.7	17.5	17.3	17.0	16.6	16.3	16.0	15.8	15.8	15.8	15.9	15.9	15.8	15.7	15.7	15.7	15.7	15.7
140	17.2	17.2	17.1	17.0	16.9	16.6	16.5	16.5	16.4	16.4	16.4	16.5	16.4	16.4	16.4	16.4	16.4	16.5	16.5
145	17.0	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.8	16.7	16.7	16.8	16.9	16.9	17.0	17.1
150	17.3	17.3	17.2	17.2	17.2	17.3	17.3	17.3	17.4	17.3	17.2	17.1	17.1	17.1	17.2	17.3	17.4	17.4	17.5
155	17.8	17.8	17.7	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5	17.5	17.6	17.6	17.7	17.8	17.9	17.9
160	18.4	18.3	18.2	18.2	18.1	18.0	17.9	17.9	17.9	17.9	17.8	17.8	17.9	17.9	18.0	18.0	18.1	18.2	18.3
165	18.9	18.7	18.6	18.5	18.4	18.3	18.3	18.2	18.2	18.1	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.5	18.5
170	19.4	19.3	19.1	18.9	18.8	18.7	18.6	18.5	18.4	18.4	18.4	18.3	18.3	18.3	18.4	18.4	18.5	18.5	18.5
175	19.9	19.7	19.5	19.3	19.1	19.0	18.8	18.7	18.5	18.4	18.4	18.3	18.3	18.2	18.2	18.2	18.3	18.3	18.3
180	20.0	19.8	19.7	19.5	19.3	19.1	18.9	18.7	18.6	18.4	18.4	18.2	18.1	18.1	18.0	18.0	18.0	18.0	18.0

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:348.49V I:1.3903A P:488.06W PF:0.9867 Freq:50.04Hz Lamp Flux:83851.4x1 lm		
NAME: ASD-LSB5BHV-PRO-500BR	TYPE:	WEIGHT:
SPEC.: 500W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--4

UNIT: X10cd

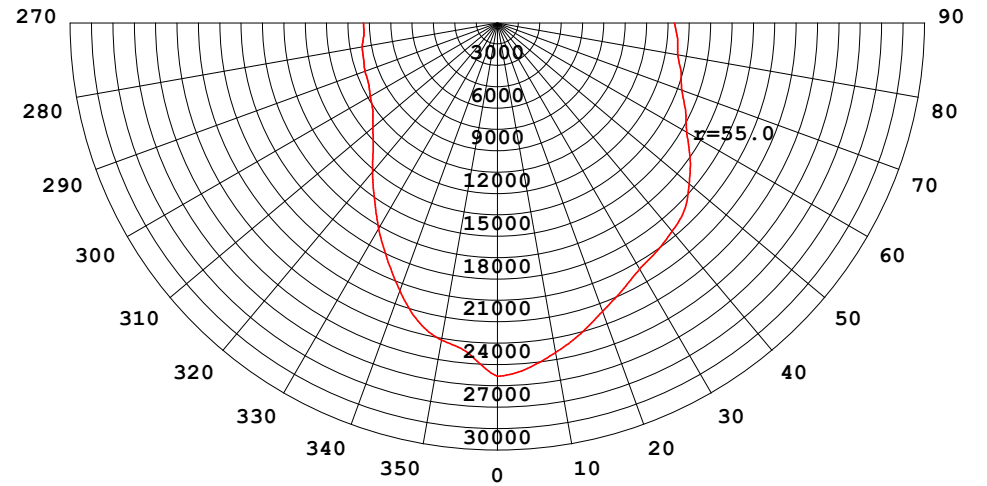
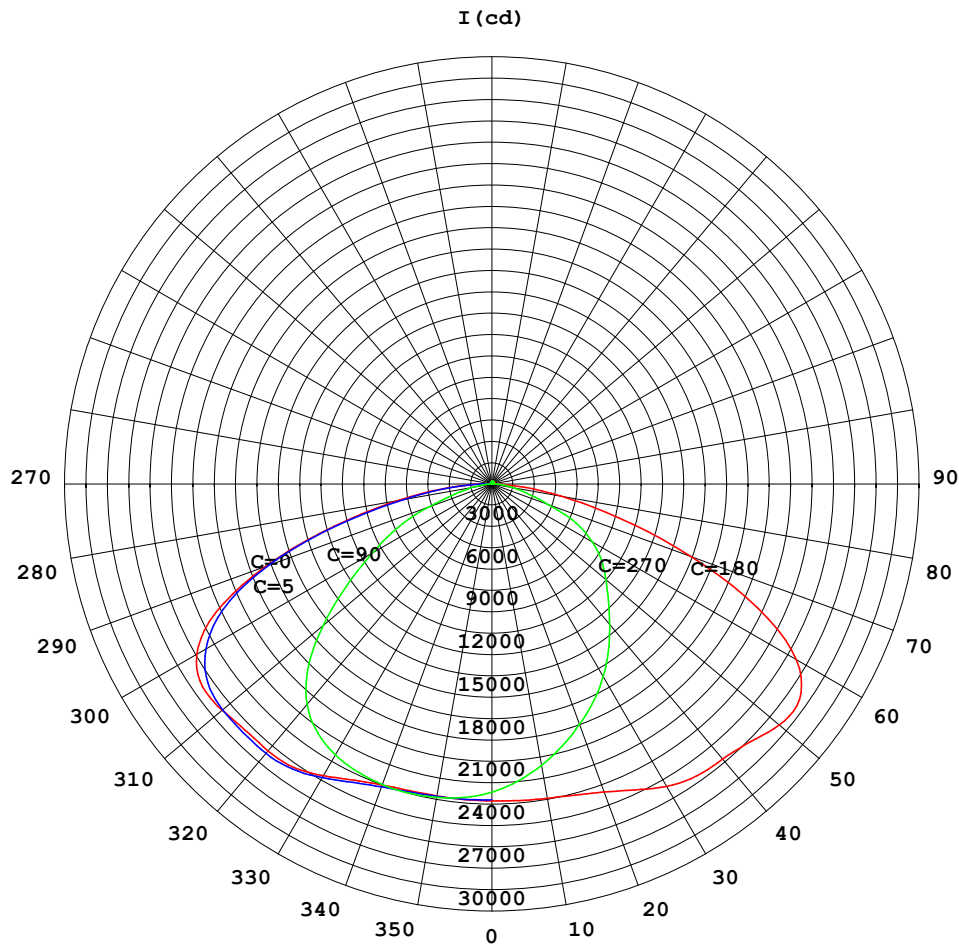
C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2157	2158	2158	2159	2159	2159	2158	2160	2160	2162	2162	2163	2164	2166	2166				
5	2089	2094	2093	2099	2100	2106	2109	2115	2120	2128	2133	2139	2145	2152	2159				
10	2002	2010	2012	2022	2028	2041	2048	2062	2073	2088	2100	2114	2128	2142	2153				
15	1903	1914	1921	1935	1947	1966	1980	2003	2023	2046	2067	2090	2111	2133	2153				
20	1801	1815	1826	1846	1864	1889	1912	1943	1973	2007	2039	2073	2106	2138	2168				
25	1699	1719	1736	1762	1786	1817	1848	1887	1927	1974	2021	2071	2120	2166	2208				
30	1590	1619	1646	1680	1712	1750	1787	1833	1886	1948	2014	2084	2155	2218	2266				
35	1468	1507	1542	1589	1630	1679	1726	1783	1847	1924	2009	2100	2193	2274	2305				
40	1332	1374	1413	1470	1525	1594	1658	1735	1815	1907	2005	2109	2207	2286	2300				
45	1196	1233	1268	1324	1384	1467	1552	1653	1751	1855	1958	2070	2172	2246	2285				
50	1076	1102	1125	1171	1223	1305	1396	1515	1627	1751	1875	2010	2144	2223	2299				
55	974	991	1000	1032	1070	1144	1233	1366	1507	1669	1831	2002	2166	2262	2329				
60	848	866	871	898	929	992	1078	1225	1411	1630	1848	2056	2189	2283	2269				
65	688	713	727	758	789	847	931	1096	1342	1640	1904	2065	2129	2130	2052				
70	477	531	567	612	644	704	792	968	1224	1534	1708	1740	1693	1661	1568				
75	287	335	373	433	484	549	621	754	924	1119	1232	1265	1180	1151	1109				
80	169	190	214	264	300	352	386	453	508	618	688	765	802	809	714				
85	79.6	94.1	101	117	126	136	140	163	195	254	308	427	534	547	388				
90	12.2	8.38	12.8	11.5	19.3	14.0	12.7	27.6	24.2	43.2	34.8	90.7	96.2	141	73.0				
95	4.52	5.10	5.74	6.38	7.08	7.74	8.32	8.75	9.10	9.29	9.50	9.62	9.84	9.90	10.1				
100	5.82	6.05	6.57	7.12	7.84	8.46	9.13	9.61	10.1	10.5	11.0	11.3	11.8	12.0	12.3				
105	7.37	7.62	8.11	8.58	9.21	9.73	10.4	10.9	11.5	12.0	12.6	13.1	13.7	14.1	14.5				
110	9.00	9.28	9.78	10.2	10.7	11.1	11.6	12.1	12.7	13.3	14.1	14.7	15.4	15.9	16.3				
115	10.7	10.9	11.4	11.8	12.3	12.6	13.1	13.5	14.2	14.7	15.4	16.0	16.7	17.2	17.5				
120	12.2	12.4	12.8	13.2	13.7	14.1	14.6	15.0	15.6	16.0	16.6	17.1	17.6	18.0	18.4				
125	13.7	13.8	14.1	14.4	14.9	15.3	15.8	16.2	16.6	17.0	17.4	17.8	18.2	18.5	18.7				
130	14.9	15.0	15.2	15.4	15.8	16.2	16.6	16.9	17.3	17.5	17.8	18.0	18.2	18.5	18.6				
135	15.9	16.1	16.2	16.3	16.6	16.8	17.1	17.3	17.6	17.7	17.9	18.1	18.2	18.3	18.4				
140	16.7	16.8	17.1	17.1	17.2	17.3	17.5	17.6	17.7	17.8	18.0	18.1	18.2	18.2	18.1				
145	17.2	17.3	17.5	17.7	17.7	17.8	17.9	17.9	18.0	18.0	18.0	18.1	18.1	18.1	18.0				
150	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.2				
155	18.1	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.8	18.8	18.7	18.7	18.7	18.7				
160	18.4	18.5	18.6	18.6	18.7	18.7	18.9	19.0	19.1	19.2	19.3	19.3	19.3	19.3	19.3				
165	18.7	18.8	18.8	18.9	18.9	18.9	19.0	19.1	19.3	19.4	19.5	19.5	19.6	19.6	19.7				
170	18.7	18.7	18.8	18.9	19.0	19.0	19.0	19.2	19.3	19.4	19.6	19.7	19.9	19.9	20.1				
175	18.4	18.5	18.5	18.6	18.7	18.7	18.8	18.9	19.1	19.2	19.3	19.5	19.8	20.1	20.3				
180	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.6	18.8	18.9	19.1	19.2	19.4	19.7	20.2				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:03 April 2024

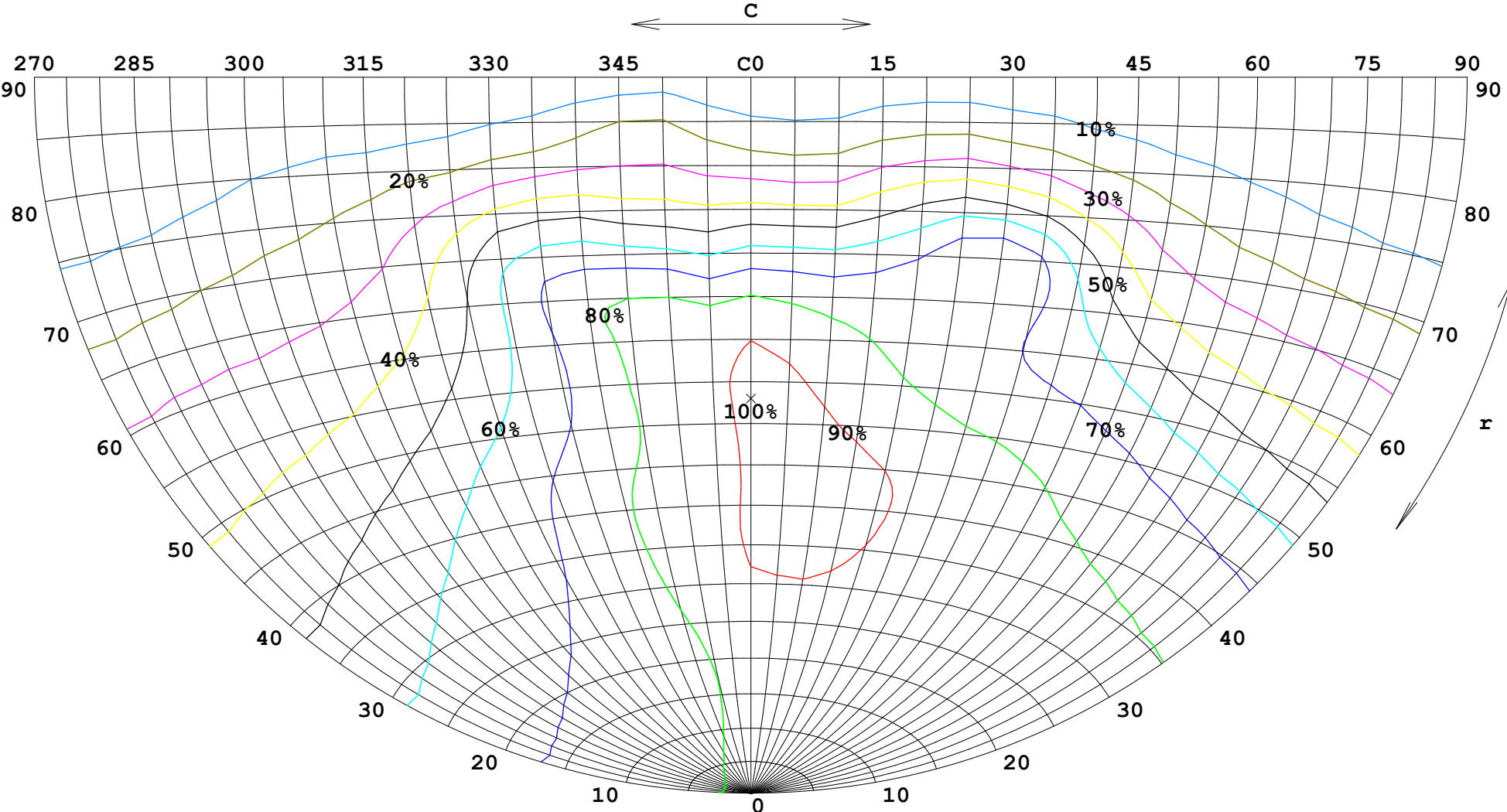
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

FLUX DATA:

LOR: 100.0 %
STREET DOWN: 45085 lm
STREET UP: 344.2 lm
HOUSE DOWN: 37983 lm
HOUSE UP: 439.2 lm



$I_{max}(100\%) = 26638 \text{ cd}$



$E_{\max}(100\%) = 222.6 \text{ lx}$ $H = 10\text{m}$

