

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-5S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-40-80-5S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

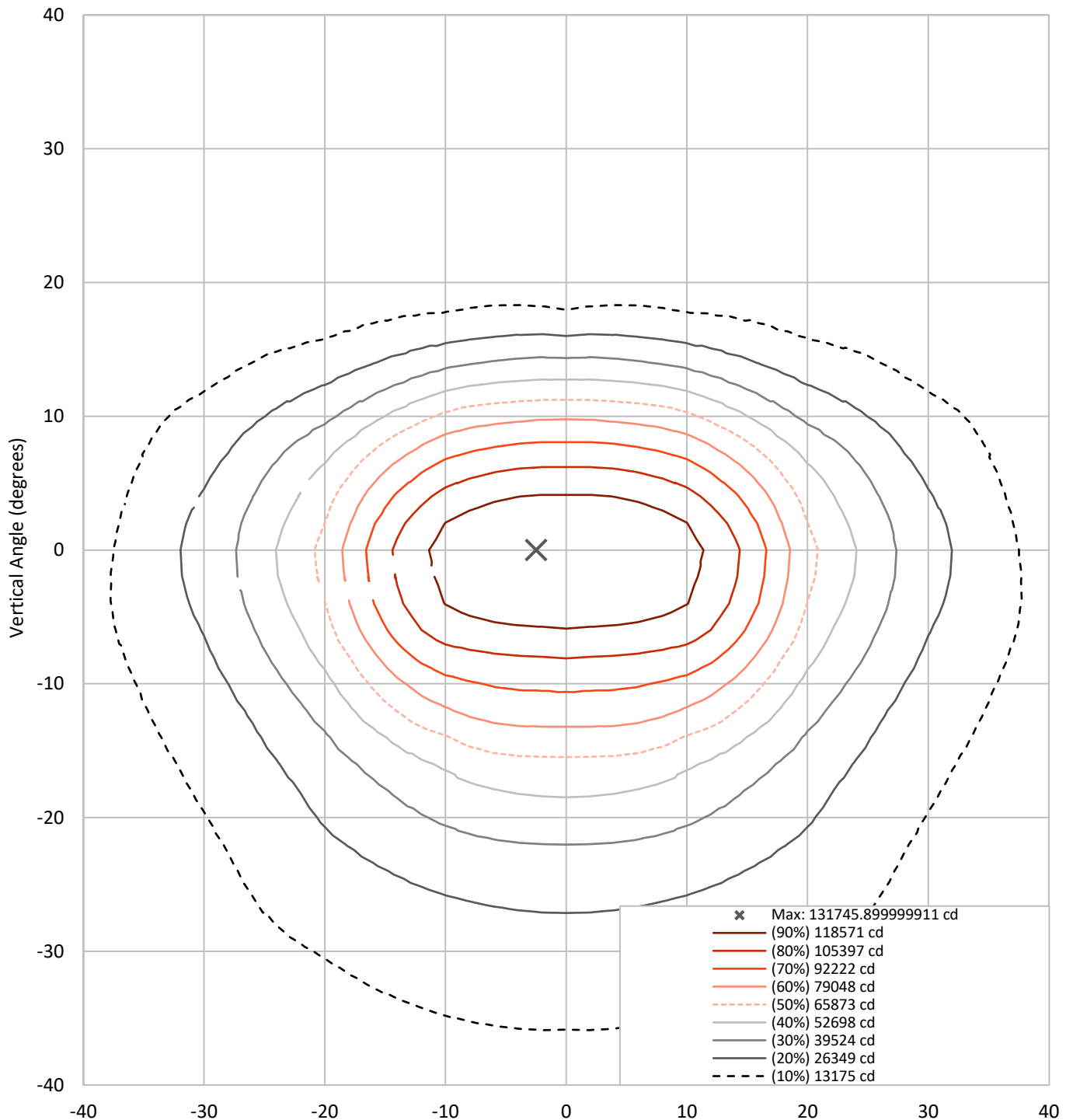
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	52205.1 lumens	Max Intensity:	131745.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	74.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	25874 lumens	Field Lumens:	46798 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 697.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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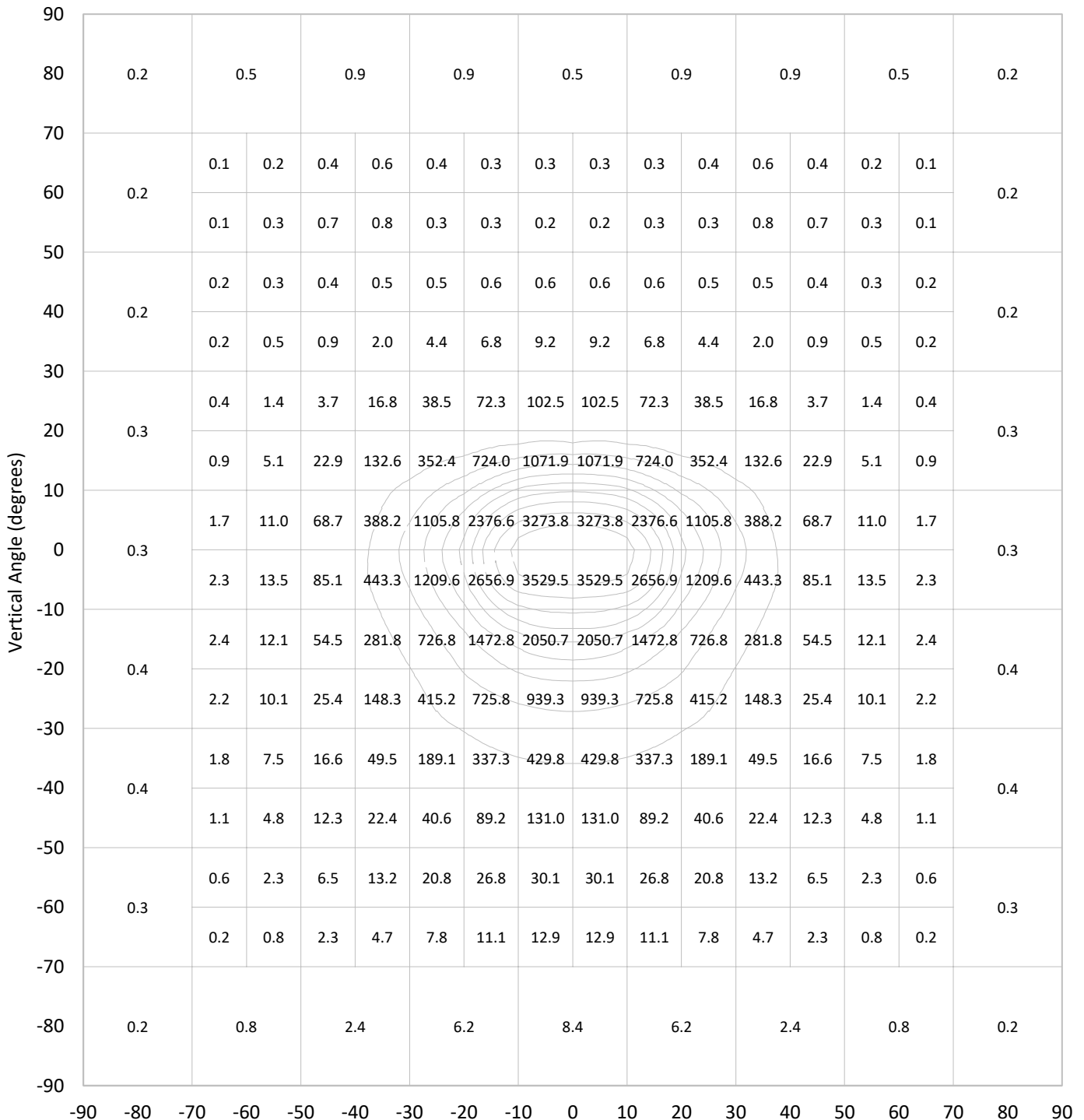
### Iso-Candela Plot





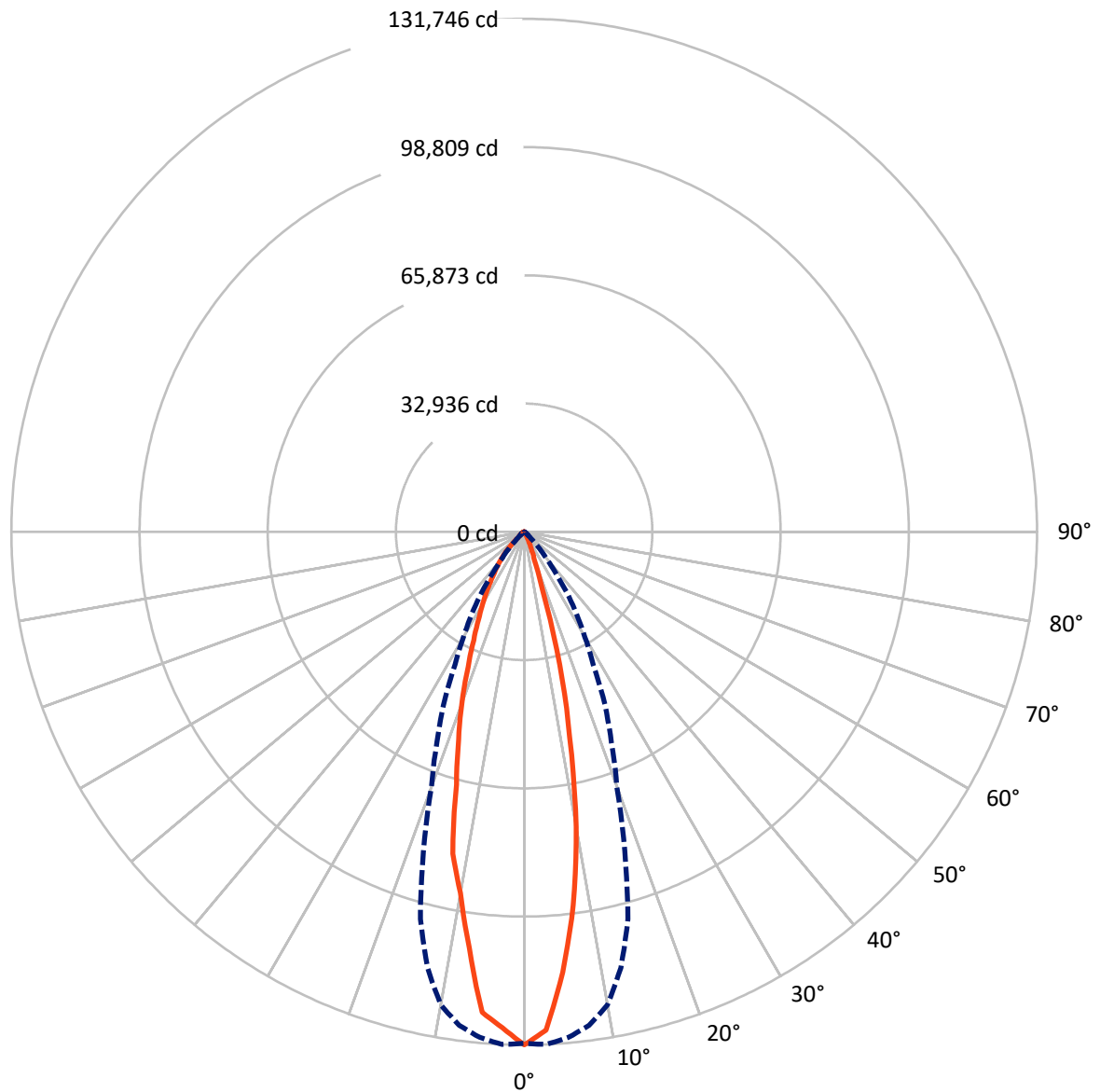
REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

### Lumen Table



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
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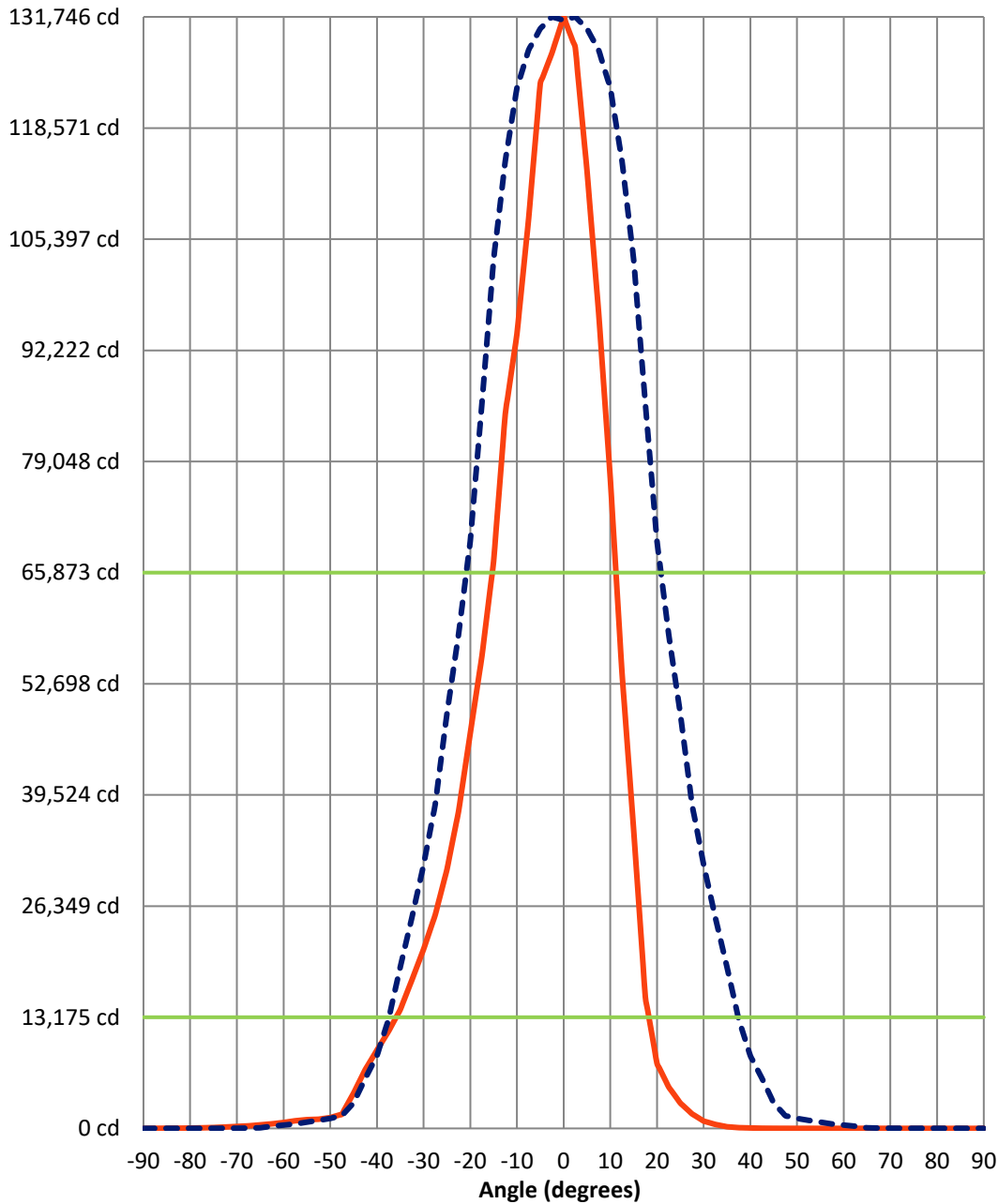
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.7°  
 V Angle: 26.5°  
 Lumens: 25874  
 Efficiency: 49.6%

**Field:**  
 H Angle: 74.8°  
 V Angle: 54.1°  
 Lumens: 46798  
 Efficiency: 89.6%

**Spill:**  
 Lumens: 5407.2  
 Efficiency: 10.4%

— Vertical Distribution through -2.5-Deg  
 - - - Horizontal Distribution through 0-Deg



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8	8	8	8	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	9	8	8	8	8
85°	8	8	8	9	9	9	9	9	9	8	8
82.5°	8	8	9	9	9	9	10	9	9	9	9
80°	8	8	9	9	9	10	10	10	9	9	9
77.5°	8	8	9	9	10	10	10	10	10	10	10
75°	8	8	9	10	10	10	10	10	10	10	10
72.5°	8	8	9	10	10	10	10	10	10	10	10
70°	8	8	9	10	10	10	10	10	10	10	10
67.5°	8	8	9	10	10	10	10	10	10	10	10
65°	8	8	10	10	10	10	10	10	10	10	10
62.5°	8	8	10	10	10	10	10	10	10	10	10
60°	8	8	10	10	10	10	10	10	10	10	10
57.5°	8	8	10	10	10	10	10	10	10	10	10
55°	8	8	10	10	10	10	10	10	10	10	10
52.5°	8	8	10	10	10	10	10	10	10	10	10
50°	8	8	10	10	10	10	10	10	10	10	11
47.5°	8	8	10	10	10	10	10	10	10	10	11
45°	8	9	10	10	10	10	10	10	10	11	12
42.5°	8	8	10	10	10	10	10	11	10	11	13
40°	8	8	10	10	10	10	11	11	11	12	13
37.5°	8	8	10	10	10	10	11	11	12	12	14
35°	8	8	10	10	10	10	11	12	12	13	14
32.5°	8	8	10	10	10	10	11	12	13	14	15
30°	8	8	10	10	10	11	12	12	14	15	17
27.5°	8	8	10	10	10	11	12	13	14	16	19
25°	8	8	10	10	10	11	12	14	15	18	21
22.5°	8	8	10	10	10	11	13	14	16	19	24
20°	8	8	10	10	10	11	13	15	17	21	28
17.5°	8	8	10	10	10	12	13	15	18	23	33
15°	8	8	10	10	10	12	14	16	19	24	38
12.5°	8	8	10	10	10	12	14	16	19	26	42
10°	8	8	10	10	10	12	14	16	20	28	48
7.5°	8	8	10	10	10	12	14	16	21	31	54
5°	8	8	10	10	10	12	14	16	21	33	61
2.5°	8	8	10	10	10	12	14	16	22	36	66
0°	8	8	10	10	10	12	14	16	22	38	72
-2.5°	8	8	10	10	10	12	14	18	27	48	88
-5°	8	8	10	10	10	12	14	20	33	57	103
-7.5°	8	8	10	10	11	13	15	21	37	65	116
-10°	8	8	10	10	11	13	15	23	41	73	128
-12.5°	8	8	10	10	11	13	15	24	45	79	137
-15°	8	8	10	10	11	13	15	24	47	85	144
-17.5°	8	8	10	10	11	13	15	26	50	89	148
-20°	8	8	10	10	11	13	16	27	51	91	150



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8	8	10	10	11	13	17	28	52	92	150
-25°	8	8	10	10	11	13	17	28	51	90	147
-27.5°	8	8	10	10	11	13	18	28	49	88	145
-30°	8	8	10	10	11	13	17	28	48	86	141
-32.5°	8	8	10	10	11	13	17	28	47	82	134
-35°	8	8	10	10	11	13	17	27	46	77	124
-37.5°	8	8	10	10	11	12	16	26	44	70	111
-40°	8	8	10	10	10	12	16	24	41	65	99
-42.5°	8	8	10	10	10	12	15	22	38	59	86
-45°	8	9	10	10	10	12	14	19	34	52	73
-47.5°	8	8	10	10	10	12	13	18	30	45	65
-50°	8	8	10	10	11	11	13	17	24	39	56
-52.5°	8	8	10	10	11	11	13	15	21	32	46
-55°	8	8	10	10	11	11	12	14	19	24	38
-57.5°	8	8	10	10	11	11	12	13	16	21	29
-60°	8	8	10	10	11	11	12	13	14	18	22
-62.5°	8	8	10	10	11	11	12	13	14	16	20
-65°	8	8	10	10	11	11	12	12	13	15	17
-67.5°	8	8	9	10	10	11	12	12	13	14	15
-70°	8	8	9	10	10	11	12	12	13	13	14
-72.5°	8	8	9	10	10	11	11	12	12	13	14
-75°	8	8	9	10	10	10	11	12	12	12	13
-77.5°	8	8	9	9	10	10	11	11	11	12	12
-80°	8	8	9	9	9	10	10	10	11	11	11
-82.5°	8	8	9	9	9	9	10	10	10	10	11
-85°	8	8	8	9	9	9	9	9	9	10	10
-87.5°	8	8	8	8	8	8	9	9	9	9	9
-90°	8	8	8	8	8	8	8	8	8	8	8





REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8	8	8	8	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8	8	8	8	8
82.5°	9	9	8	8	8	8	8	8	8	8	8
80°	9	9	9	9	9	9	9	10	9	9	9
77.5°	10	10	10	10	10	10	10	10	10	9	9
75°	10	10	10	10	10	10	10	10	10	10	10
72.5°	10	10	10	10	10	10	11	12	12	12	12
70°	10	10	10	10	10	11	12	13	14	14	15
67.5°	10	10	10	10	11	12	13	15	17	18	20
65°	10	10	10	11	12	13	15	18	23	26	28
62.5°	10	10	11	12	13	15	19	25	32	36	36
60°	10	10	11	13	14	17	23	31	41	48	43
57.5°	10	11	12	14	16	19	26	36	46	57	48
55°	10	11	13	16	18	20	27	36	47	53	45
52.5°	11	12	15	17	20	21	24	33	39	43	39
50°	12	14	16	18	20	20	19	25	30	32	31
47.5°	13	15	17	19	19	19	17	20	23	25	24
45°	14	16	18	18	19	18	17	16	20	21	20
42.5°	15	17	18	18	19	19	19	19	19	19	19
40°	15	17	18	20	20	22	23	23	20	22	22
37.5°	16	18	20	24	23	26	28	31	28	27	30
35°	16	18	25	30	30	32	39	42	40	38	42
32.5°	17	19	32	37	40	43	53	55	57	58	61
30°	19	26	40	46	52	63	68	69	77	86	113
27.5°	22	34	48	56	66	84	91	92	104	130	194
25°	27	55	56	68	87	109	123	137	141	218	371
22.5°	38	80	89	81	109	137	167	206	265	353	580
20°	57	108	131	136	143	169	219	297	480	796	1097
17.5°	79	141	177	206	238	249	281	405	752	1427	2217
15°	103	177	226	283	343	390	457	651	1210	2298	3654
12.5°	128	215	279	367	456	539	666	1081	2020	3530	5587
10°	155	256	333	456	575	694	882	1573	2979	4842	7348
7.5°	183	295	388	546	696	853	1102	2102	3971	6055	8874
5°	211	332	436	619	795	991	1301	2638	4956	7161	10257
2.5°	237	366	482	685	877	1091	1411	2860	5523	7977	11620
0°	260	398	526	745	953	1185	1507	3020	5913	8603	12950
-2.5°	270	410	547	764	950	1170	1507	3073	6248	9347	13622
-5°	276	418	565	776	943	1148	1493	3049	6303	9519	13356
-7.5°	278	423	577	778	923	1104	1426	2827	5705	8730	12112
-10°	278	422	572	754	888	1046	1337	2533	5014	7841	10790
-12.5°	273	415	561	727	854	984	1234	2172	4255	6876	9524
-15°	265	406	546	700	822	921	1119	1745	3465	6011	8508
-17.5°	257	394	527	672	794	858	995	1318	2759	5085	7485
-20°	246	379	505	645	769	816	930	1189	2181	4052	6374



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	235	363	483	617	732	794	872	1051	1555	2921	5174
-25°	228	346	461	580	695	773	813	920	1176	2204	3909
-27.5°	224	329	431	540	658	747	780	854	1034	1461	2719
-30°	216	302	398	499	613	706	760	803	911	1145	1865
-32.5°	200	274	365	461	564	667	744	785	856	977	1218
-35°	181	251	332	420	513	619	709	778	811	894	1049
-37.5°	163	226	297	380	467	564	670	747	802	840	951
-40°	144	200	266	340	420	509	607	703	776	840	889
-42.5°	124	176	236	299	375	456	542	637	731	817	884
-45°	108	151	205	264	328	401	480	563	662	761	847
-47.5°	92	127	175	226	284	348	417	495	579	674	775
-50°	76	108	143	190	240	296	357	426	500	580	668
-52.5°	65	88	119	154	198	246	300	358	423	491	562
-55°	53	73	95	124	158	199	244	296	348	408	462
-57.5°	43	58	76	97	125	155	194	235	282	329	369
-60°	33	45	60	76	94	120	147	181	218	254	289
-62.5°	23	34	46	59	74	88	110	134	158	188	216
-65°	20	24	33	44	55	69	83	96	116	135	154
-67.5°	17	20	24	29	39	51	62	74	86	96	107
-70°	15	16	18	22	26	34	44	54	64	73	83
-72.5°	14	15	15	16	19	24	30	35	42	50	58
-75°	13	14	14	15	16	18	20	25	29	33	37
-77.5°	13	13	13	14	14	16	17	19	21	23	26
-80°	12	12	12	13	13	14	14	15	17	18	20
-82.5°	11	11	11	11	12	12	12	12	13	14	15
-85°	10	10	10	10	10	11	11	11	11	11	11
-87.5°	9	9	9	9	9	9	9	9	9	10	10
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8	9	9	10	10	11	13	14	16	15	15
87.5°	8	8	7	7	6	6	5	5	4	4	3
85°	8	8	8	8	8	7	7	6	6	5	4
82.5°	8	8	8	8	8	8	7	7	6	5	4
80°	8	8	8	8	8	8	7	7	6	5	4
77.5°	8	8	8	8	8	8	7	7	6	5	4
75°	10	10	9	9	8	8	7	7	6	6	5
72.5°	12	11	11	10	10	9	9	8	8	7	7
70°	15	16	15	15	13	12	11	11	10	9	8
67.5°	21	21	20	18	16	14	13	12	10	10	10
65°	27	25	22	20	17	14	13	12	11	10	10
62.5°	33	27	22	18	16	14	12	11	10	9	8
60°	36	25	18	16	14	12	11	10	9	8	7
57.5°	36	24	15	13	12	10	10	9	9	8	7
55°	33	22	13	11	11	10	10	9	9	8	7
52.5°	27	19	14	12	11	11	10	9	9	8	8
50°	23	17	14	12	11	11	10	10	10	9	9
47.5°	20	16	14	12	12	13	13	13	13	13	12
45°	18	15	14	15	15	17	17	17	17	18	17
42.5°	17	17	19	21	20	23	24	22	25	26	25
40°	23	24	29	34	38	38	45	46	47	49	50
37.5°	34	40	57	69	75	75	85	87	84	95	99
35°	52	78	106	122	131	138	150	165	158	184	192
32.5°	92	141	192	190	207	252	269	296	324	367	414
30°	156	287	346	324	372	437	438	513	617	705	839
27.5°	351	498	574	608	645	727	829	924	1189	1370	1561
25°	595	799	880	1007	1122	1198	1506	1730	2111	2388	2674
22.5°	960	1229	1398	1512	1899	2243	2572	3061	3439	3914	4271
20°	1416	1780	2400	2886	3129	3859	4454	4960	5631	6219	6742
17.5°	2672	2877	4171	5438	5950	6895	8605	9250	11182	12597	13361
15°	4839	5827	7191	9303	11646	13496	15118	18438	22124	25392	28832
12.5°	7652	9585	11879	14463	18684	22034	25621	30367	36321	41504	47601
10°	10470	13736	16908	20934	26265	31437	36605	44120	52867	61265	68527
7.5°	12800	17228	21526	27092	34354	41560	48782	58723	70291	79876	88115
5°	15171	20717	25759	32177	40725	49501	58539	70934	84598	95451	103953
2.5°	17349	23632	29469	36626	46144	54730	65019	80235	96517	108226	117598
0°	19107	24997	31232	38434	49122	58587	69613	85930	102967	114665	123313
-2.5°	18729	24686	30516	37833	48563	57277	68439	84493	101326	113211	120979
-5°	17547	22819	28054	34926	44362	52853	63784	80286	96432	108552	117490
-7.5°	15799	20276	25024	31286	39499	47621	57129	70281	85351	96313	102792
-10°	13960	17666	22112	27404	34183	41478	49374	59910	72787	82400	88546
-12.5°	12347	15558	19525	23439	28969	35467	42478	51099	59596	69734	75048
-15°	10861	13538	16946	20699	25295	30402	35425	41881	47414	53747	58348
-17.5°	9618	11756	14776	18413	21874	26271	31065	35438	40116	44687	48503
-20°	8495	10259	12834	16036	19446	23185	27415	30975	34797	38271	41255



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7219	9007	11001	13741	17156	20508	23641	26331	29219	32026	34145
-25°	5890	7607	9516	12102	14899	17719	19938	21832	24087	26109	27928
-27.5°	4516	6347	8406	10565	12998	14791	16658	18371	20084	21445	22981
-30°	3140	5137	7162	9206	10873	12304	13696	15267	16817	18111	19195
-32.5°	2156	3597	5640	7541	8966	10182	11257	12597	13798	14863	15811
-35°	1295	2310	3713	5520	7078	8261	9357	10373	11269	12166	12879
-37.5°	1109	1334	2185	3387	4870	6302	7427	8378	9214	9904	10509
-40°	999	1132	1318	1728	2820	3914	5142	6226	7107	7756	8282
-42.5°	934	1019	1110	1256	1419	1938	2877	3775	4550	5268	5885
-45°	923	959	1008	1090	1165	1300	1447	1590	2199	2777	3251
-47.5°	854	927	972	1009	1048	1112	1174	1240	1351	1455	1545
-50°	753	832	900	966	1001	1027	1053	1086	1129	1168	1205
-52.5°	629	705	781	852	908	958	1004	1025	1042	1057	1068
-55°	519	579	639	704	768	829	881	916	947	975	998
-57.5°	416	462	511	564	615	664	711	753	791	824	852
-60°	322	354	394	436	476	513	551	586	617	644	666
-62.5°	242	268	299	328	354	382	418	447	472	491	509
-65°	174	195	220	245	269	293	318	342	365	383	396
-67.5°	123	139	156	172	190	211	233	254	272	285	293
-70°	91	100	113	127	142	156	171	185	199	209	216
-72.5°	66	75	85	94	104	115	125	136	146	153	157
-75°	40	45	54	62	69	76	83	89	95	98	100
-77.5°	29	33	37	41	45	49	53	58	62	64	65
-80°	22	24	26	29	31	34	36	39	42	42	42
-82.5°	16	17	19	20	22	23	24	26	27	27	28
-85°	11	12	13	14	15	16	17	18	20	20	20
-87.5°	10	10	11	11	12	12	13	14	14	14	14
-90°	8	8	7	7	6	6	5	5	4	4	3



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15	14	14	14	14	14	15	15	15	16	14
87.5°	3	2	1	0	1	2	3	3	4	4	5
85°	3	2	2	2	2	2	3	4	5	6	6
82.5°	3	2	2	2	2	2	3	4	5	6	7
80°	3	2	2	2	2	2	3	4	5	6	7
77.5°	3	2	2	2	2	2	3	4	5	6	7
75°	4	4	3	2	3	4	4	5	6	6	7
72.5°	6	6	6	6	6	6	6	7	7	8	8
70°	7	6	6	6	6	6	7	8	9	10	11
67.5°	10	10	9	8	9	10	10	10	10	10	12
65°	10	10	10	10	10	10	10	10	10	11	12
62.5°	8	8	8	8	8	8	8	8	9	10	11
60°	7	6	6	6	6	6	7	7	8	9	10
57.5°	7	6	6	6	6	6	7	7	8	9	9
55°	7	6	6	6	6	6	7	7	8	9	9
52.5°	7	6	7	8	7	6	7	8	8	9	9
50°	9	8	8	8	8	8	9	9	9	10	10
47.5°	12	11	10	10	10	11	12	12	13	13	13
45°	16	15	14	14	14	15	16	17	18	17	17
42.5°	25	24	24	24	24	24	25	25	26	25	22
40°	53	53	53	54	53	53	53	50	49	47	46
37.5°	99	96	91	92	91	96	99	99	95	84	87
35°	193	198	198	200	198	198	193	192	184	158	165
32.5°	448	472	472	482	472	472	448	414	367	324	296
30°	880	899	870	883	870	899	880	839	705	617	513
27.5°	1660	1729	1729	1699	1729	1729	1660	1561	1370	1189	924
25°	2915	3023	3003	2968	3003	3023	2915	2674	2388	2111	1730
22.5°	4596	4774	4917	4824	4917	4774	4596	4271	3914	3439	3061
20°	7512	7563	7715	7660	7715	7563	7512	6742	6219	5631	4960
17.5°	15431	15984	15599	14427	15599	15984	15431	13361	12597	11182	9250
15°	31249	33569	35371	34382	35371	33569	31249	28832	25392	22124	18438
12.5°	51174	52886	54031	54116	54031	52886	51174	47601	41504	36321	30367
10°	73451	74963	76990	77275	76990	74963	73451	68527	61265	52867	44120
7.5°	92205	95273	96693	96502	96693	95273	92205	88115	79876	70291	58723
5°	108977	112155	113547	113779	113547	112155	108977	103953	95451	84598	70934
2.5°	123212	126420	128093	127634	128093	126420	123212	117598	108226	96517	80235
0°	127817	130344	131746	131361	131746	130344	127817	123313	114665	102967	85930
-2.5°	124889	126412	127469	127060	127469	126412	124889	120979	113211	101326	84493
-5°	121645	123452	123847	124331	123847	123452	121645	117490	108552	96432	80286
-7.5°	105256	107189	107827	108794	107827	107189	105256	102792	96313	85351	70281
-10°	91891	94058	94163	94759	94163	94058	91891	88546	82400	72787	59910
-12.5°	80695	83678	84668	84431	84668	83678	80695	75048	69734	59596	51099
-15°	64473	67021	67203	67322	67203	67021	64473	58348	53747	47414	41881
-17.5°	52551	55028	55982	56279	55982	55028	52551	48503	44687	40116	35438
-20°	43817	45661	46827	47310	46827	45661	43817	41255	38271	34797	30975



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	35997	37166	37592	37699	37592	37166	35997	34145	32026	29219	26331
-25°	29205	30133	30673	30898	30673	30133	29205	27928	26109	24087	21832
-27.5°	23977	24803	25323	25403	25323	24803	23977	22981	21445	20084	18371
-30°	20025	20750	21235	21368	21235	20750	20025	19195	18111	16817	15267
-32.5°	16592	17213	17594	17758	17594	17213	16592	15811	14863	13798	12597
-35°	13412	13829	14073	13993	14073	13829	13412	12879	12166	11269	10373
-37.5°	10995	11331	11513	11523	11513	11331	10995	10509	9904	9214	8378
-40°	8719	9060	9265	9277	9265	9060	8719	8282	7756	7107	6226
-42.5°	6375	6725	6963	7118	6963	6725	6375	5885	5268	4550	3775
-45°	3646	3948	4178	4345	4178	3948	3646	3251	2777	2199	1590
-47.5°	1611	1660	1682	1675	1682	1660	1611	1545	1455	1351	1240
-50°	1238	1267	1281	1281	1281	1267	1238	1205	1168	1129	1086
-52.5°	1077	1085	1089	1091	1089	1085	1077	1068	1057	1042	1025
-55°	1018	1033	1039	1037	1039	1033	1018	998	975	947	916
-57.5°	875	894	907	913	907	894	875	852	824	791	753
-60°	682	693	700	703	700	693	682	666	644	617	586
-62.5°	524	537	543	546	543	537	524	509	491	472	447
-65°	407	416	421	424	421	416	407	396	383	365	342
-67.5°	299	303	305	306	305	303	299	293	285	272	254
-70°	223	229	233	236	233	229	223	216	209	199	185
-72.5°	161	164	166	168	166	164	161	157	153	146	136
-75°	102	103	104	104	104	103	102	100	98	95	89
-77.5°	66	67	69	70	69	67	66	65	64	62	58
-80°	42	42	42	42	42	42	42	42	42	42	39
-82.5°	28	28	28	28	28	28	28	28	27	27	26
-85°	20	20	20	20	20	20	20	20	20	20	18
-87.5°	14	14	14	14	14	14	14	14	14	14	14
-90°	2	2	1	0	1	2	3	3	4	4	5



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13	11	10	10	9	9	8	8	8	8	8
87.5°	5	6	6	7	7	8	8	8	8	8	8
85°	7	7	8	8	8	8	8	8	8	8	8
82.5°	7	8	8	8	8	8	8	8	8	8	8
80°	7	8	8	8	8	8	8	9	9	9	10
77.5°	7	8	8	8	8	8	8	9	9	10	10
75°	7	8	8	9	9	10	10	10	10	10	10
72.5°	9	9	10	10	11	11	12	12	12	12	12
70°	11	12	13	15	15	16	15	15	14	14	13
67.5°	13	14	16	18	20	21	21	20	18	17	15
65°	13	14	17	20	22	25	27	28	26	23	18
62.5°	12	14	16	18	22	27	33	36	36	32	25
60°	11	12	14	16	18	25	36	43	48	41	31
57.5°	10	10	12	13	15	24	36	48	57	46	36
55°	10	10	11	11	13	22	33	45	53	47	36
52.5°	10	11	11	12	14	19	27	39	43	39	33
50°	10	11	11	12	14	17	23	31	32	30	25
47.5°	13	13	12	12	14	16	20	24	25	23	20
45°	17	17	15	15	14	15	18	20	21	20	16
42.5°	24	23	20	21	19	17	17	19	19	19	19
40°	45	38	38	34	29	24	23	22	22	20	23
37.5°	85	75	75	69	57	40	34	30	27	28	31
35°	150	138	131	122	106	78	52	42	38	40	42
32.5°	269	252	207	190	192	141	92	61	58	57	55
30°	438	437	372	324	346	287	156	113	86	77	69
27.5°	829	727	645	608	574	498	351	194	130	104	92
25°	1506	1198	1122	1007	880	799	595	371	218	141	137
22.5°	2572	2243	1899	1512	1398	1229	960	580	353	265	206
20°	4454	3859	3129	2886	2400	1780	1416	1097	796	480	297
17.5°	8605	6895	5950	5438	4171	2877	2672	2217	1427	752	405
15°	15118	13496	11646	9303	7191	5827	4839	3654	2298	1210	651
12.5°	25621	22034	18684	14463	11879	9585	7652	5587	3530	2020	1081
10°	36605	31437	26265	20934	16908	13736	10470	7348	4842	2979	1573
7.5°	48782	41560	34354	27092	21526	17228	12800	8874	6055	3971	2102
5°	58539	49501	40725	32177	25759	20717	15171	10257	7161	4956	2638
2.5°	65019	54730	46144	36626	29469	23632	17349	11620	7977	5523	2860
0°	69613	58587	49122	38434	31232	24997	19107	12950	8603	5913	3020
-2.5°	68439	57277	48563	37833	30516	24686	18729	13622	9347	6248	3073
-5°	63784	52853	44362	34926	28054	22819	17547	13356	9519	6303	3049
-7.5°	57129	47621	39499	31286	25024	20276	15799	12112	8730	5705	2827
-10°	49374	41478	34183	27404	22112	17666	13960	10790	7841	5014	2533
-12.5°	42478	35467	28969	23439	19525	15558	12347	9524	6876	4255	2172
-15°	35425	30402	25295	20699	16946	13538	10861	8508	6011	3465	1745
-17.5°	31065	26271	21874	18413	14776	11756	9618	7485	5085	2759	1318
-20°	27415	23185	19446	16036	12834	10259	8495	6374	4052	2181	1189



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23641	20508	17156	13741	11001	9007	7219	5174	2921	1555	1051
-25°	19938	17719	14899	12102	9516	7607	5890	3909	2204	1176	920
-27.5°	16658	14791	12998	10565	8406	6347	4516	2719	1461	1034	854
-30°	13696	12304	10873	9206	7162	5137	3140	1865	1145	911	803
-32.5°	11257	10182	8966	7541	5640	3597	2156	1218	977	856	785
-35°	9357	8261	7078	5520	3713	2310	1295	1049	894	811	778
-37.5°	7427	6302	4870	3387	2185	1334	1109	951	840	802	747
-40°	5142	3914	2820	1728	1318	1132	999	889	840	776	703
-42.5°	2877	1938	1419	1256	1110	1019	934	884	817	731	637
-45°	1447	1300	1165	1090	1008	959	923	847	761	662	563
-47.5°	1174	1112	1048	1009	972	927	854	775	674	579	495
-50°	1053	1027	1001	966	900	832	753	668	580	500	426
-52.5°	1004	958	908	852	781	705	629	562	491	423	358
-55°	881	829	768	704	639	579	519	462	408	348	296
-57.5°	711	664	615	564	511	462	416	369	329	282	235
-60°	551	513	476	436	394	354	322	289	254	218	181
-62.5°	418	382	354	328	299	268	242	216	188	158	134
-65°	318	293	269	245	220	195	174	154	135	116	96
-67.5°	233	211	190	172	156	139	123	107	96	86	74
-70°	171	156	142	127	113	100	91	83	73	64	54
-72.5°	125	115	104	94	85	75	66	58	50	42	35
-75°	83	76	69	62	54	45	40	37	33	29	25
-77.5°	53	49	45	41	37	33	29	26	23	21	19
-80°	36	34	31	29	26	24	22	20	18	17	15
-82.5°	24	23	22	20	19	17	16	15	14	13	12
-85°	17	16	15	14	13	12	11	11	11	11	11
-87.5°	13	12	12	11	11	10	10	10	10	9	9
-90°	5	6	6	7	7	8	8	8	8	8	8





REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8	8	8	8	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8	8	8	9	9
82.5°	8	8	8	8	8	9	9	9	9	9	9
80°	9	9	9	9	9	9	9	9	9	9	10
77.5°	10	10	10	10	10	10	10	10	10	10	10
75°	10	10	10	10	10	10	10	10	10	10	10
72.5°	11	10	10	10	10	10	10	10	10	10	10
70°	12	11	10	10	10	10	10	10	10	10	10
67.5°	13	12	11	10	10	10	10	10	10	10	10
65°	15	13	12	11	10	10	10	10	10	10	10
62.5°	19	15	13	12	11	10	10	10	10	10	10
60°	23	17	14	13	11	10	10	10	10	10	10
57.5°	26	19	16	14	12	11	10	10	10	10	10
55°	27	20	18	16	13	11	10	10	10	10	10
52.5°	24	21	20	17	15	12	11	10	10	10	10
50°	19	20	20	18	16	14	12	11	10	10	10
47.5°	17	19	19	19	17	15	13	11	10	10	10
45°	17	18	19	18	18	16	14	12	11	10	10
42.5°	19	19	19	18	18	17	15	13	11	10	11
40°	23	22	20	20	18	17	15	13	12	11	11
37.5°	28	26	23	24	20	18	16	14	12	12	11
35°	39	32	30	30	25	18	16	14	13	12	12
32.5°	53	43	40	37	32	19	17	15	14	13	12
30°	68	63	52	46	40	26	19	17	15	14	12
27.5°	91	84	66	56	48	34	22	19	16	14	13
25°	123	109	87	68	56	55	27	21	18	15	14
22.5°	167	137	109	81	89	80	38	24	19	16	14
20°	219	169	143	136	131	108	57	28	21	17	15
17.5°	281	249	238	206	177	141	79	33	23	18	15
15°	457	390	343	283	226	177	103	38	24	19	16
12.5°	666	539	456	367	279	215	128	42	26	19	16
10°	882	694	575	456	333	256	155	48	28	20	16
7.5°	1102	853	696	546	388	295	183	54	31	21	16
5°	1301	991	795	619	436	332	211	61	33	21	16
2.5°	1411	1091	877	685	482	366	237	66	36	22	16
0°	1507	1185	953	745	526	398	260	72	38	22	16
-2.5°	1507	1170	950	764	547	410	270	88	48	27	18
-5°	1493	1148	943	776	565	418	276	103	57	33	20
-7.5°	1426	1104	923	778	577	423	278	116	65	37	21
-10°	1337	1046	888	754	572	422	278	128	73	41	23
-12.5°	1234	984	854	727	561	415	273	137	79	45	24
-15°	1119	921	822	700	546	406	265	144	85	47	24
-17.5°	995	858	794	672	527	394	257	148	89	50	26
-20°	930	816	769	645	505	379	246	150	91	51	27



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	872	794	732	617	483	363	235	150	92	52	28
-25°	813	773	695	580	461	346	228	147	90	51	28
-27.5°	780	747	658	540	431	329	224	145	88	49	28
-30°	760	706	613	499	398	302	216	141	86	48	28
-32.5°	744	667	564	461	365	274	200	134	82	47	28
-35°	709	619	513	420	332	251	181	124	77	46	27
-37.5°	670	564	467	380	297	226	163	111	70	44	26
-40°	607	509	420	340	266	200	144	99	65	41	24
-42.5°	542	456	375	299	236	176	124	86	59	38	22
-45°	480	401	328	264	205	151	108	73	52	34	19
-47.5°	417	348	284	226	175	127	92	65	45	30	18
-50°	357	296	240	190	143	108	76	56	39	24	17
-52.5°	300	246	198	154	119	88	65	46	32	21	15
-55°	244	199	158	124	95	73	53	38	24	19	14
-57.5°	194	155	125	97	76	58	43	29	21	16	13
-60°	147	120	94	76	60	45	33	22	18	14	13
-62.5°	110	88	74	59	46	34	23	20	16	14	13
-65°	83	69	55	44	33	24	20	17	15	13	12
-67.5°	62	51	39	29	24	20	17	15	14	13	12
-70°	44	34	26	22	18	16	15	14	13	13	12
-72.5°	30	24	19	16	15	15	14	14	13	12	12
-75°	20	18	16	15	14	14	13	13	12	12	12
-77.5°	17	16	14	14	13	13	13	12	12	11	11
-80°	14	14	13	13	12	12	12	11	11	11	10
-82.5°	12	12	12	11	11	11	11	11	10	10	10
-85°	11	11	10	10	10	10	10	10	10	9	9
-87.5°	9	9	9	9	9	9	9	9	9	9	9
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8	8	8	8	8	8	8
87.5°	9	8	8	8	8	8	8
85°	9	9	9	9	8	8	8
82.5°	10	9	9	9	9	8	8
80°	10	10	9	9	9	8	8
77.5°	10	10	10	9	9	8	8
75°	10	10	10	10	9	8	8
72.5°	10	10	10	10	9	8	8
70°	10	10	10	10	9	8	8
67.5°	10	10	10	10	9	8	8
65°	10	10	10	10	10	8	8
62.5°	10	10	10	10	10	8	8
60°	10	10	10	10	10	8	8
57.5°	10	10	10	10	10	8	8
55°	10	10	10	10	10	8	8
52.5°	10	10	10	10	10	8	8
50°	10	10	10	10	10	8	8
47.5°	10	10	10	10	10	8	8
45°	10	10	10	10	10	9	8
42.5°	10	10	10	10	10	8	8
40°	11	10	10	10	10	8	8
37.5°	11	10	10	10	10	8	8
35°	11	10	10	10	10	8	8
32.5°	11	10	10	10	10	8	8
30°	12	11	10	10	10	8	8
27.5°	12	11	10	10	10	8	8
25°	12	11	10	10	10	8	8
22.5°	13	11	10	10	10	8	8
20°	13	11	10	10	10	8	8
17.5°	13	12	10	10	10	8	8
15°	14	12	10	10	10	8	8
12.5°	14	12	10	10	10	8	8
10°	14	12	10	10	10	8	8
7.5°	14	12	10	10	10	8	8
5°	14	12	10	10	10	8	8
2.5°	14	12	10	10	10	8	8
0°	14	12	10	10	10	8	8
-2.5°	14	12	10	10	10	8	8
-5°	14	12	10	10	10	8	8
-7.5°	15	13	11	10	10	8	8
-10°	15	13	11	10	10	8	8
-12.5°	15	13	11	10	10	8	8
-15°	15	13	11	10	10	8	8
-17.5°	15	13	11	10	10	8	8
-20°	16	13	11	10	10	8	8



REPORT NUMBER: P701645 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17	13	11	10	10	8	8
-25°	17	13	11	10	10	8	8
-27.5°	18	13	11	10	10	8	8
-30°	17	13	11	10	10	8	8
-32.5°	17	13	11	10	10	8	8
-35°	17	13	11	10	10	8	8
-37.5°	16	12	11	10	10	8	8
-40°	16	12	10	10	10	8	8
-42.5°	15	12	10	10	10	8	8
-45°	14	12	10	10	10	9	8
-47.5°	13	12	10	10	10	8	8
-50°	13	11	11	10	10	8	8
-52.5°	13	11	11	10	10	8	8
-55°	12	11	11	10	10	8	8
-57.5°	12	11	11	10	10	8	8
-60°	12	11	11	10	10	8	8
-62.5°	12	11	11	10	10	8	8
-65°	12	11	11	10	10	8	8
-67.5°	12	11	10	10	9	8	8
-70°	12	11	10	10	9	8	8
-72.5°	11	11	10	10	9	8	8
-75°	11	10	10	10	9	8	8
-77.5°	11	10	10	9	9	8	8
-80°	10	10	9	9	9	8	8
-82.5°	10	9	9	9	9	8	8
-85°	9	9	9	9	8	8	8
-87.5°	9	8	8	8	8	8	8
-90°	8	8	8	8	8	8	8

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

