

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: P701643 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-5S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

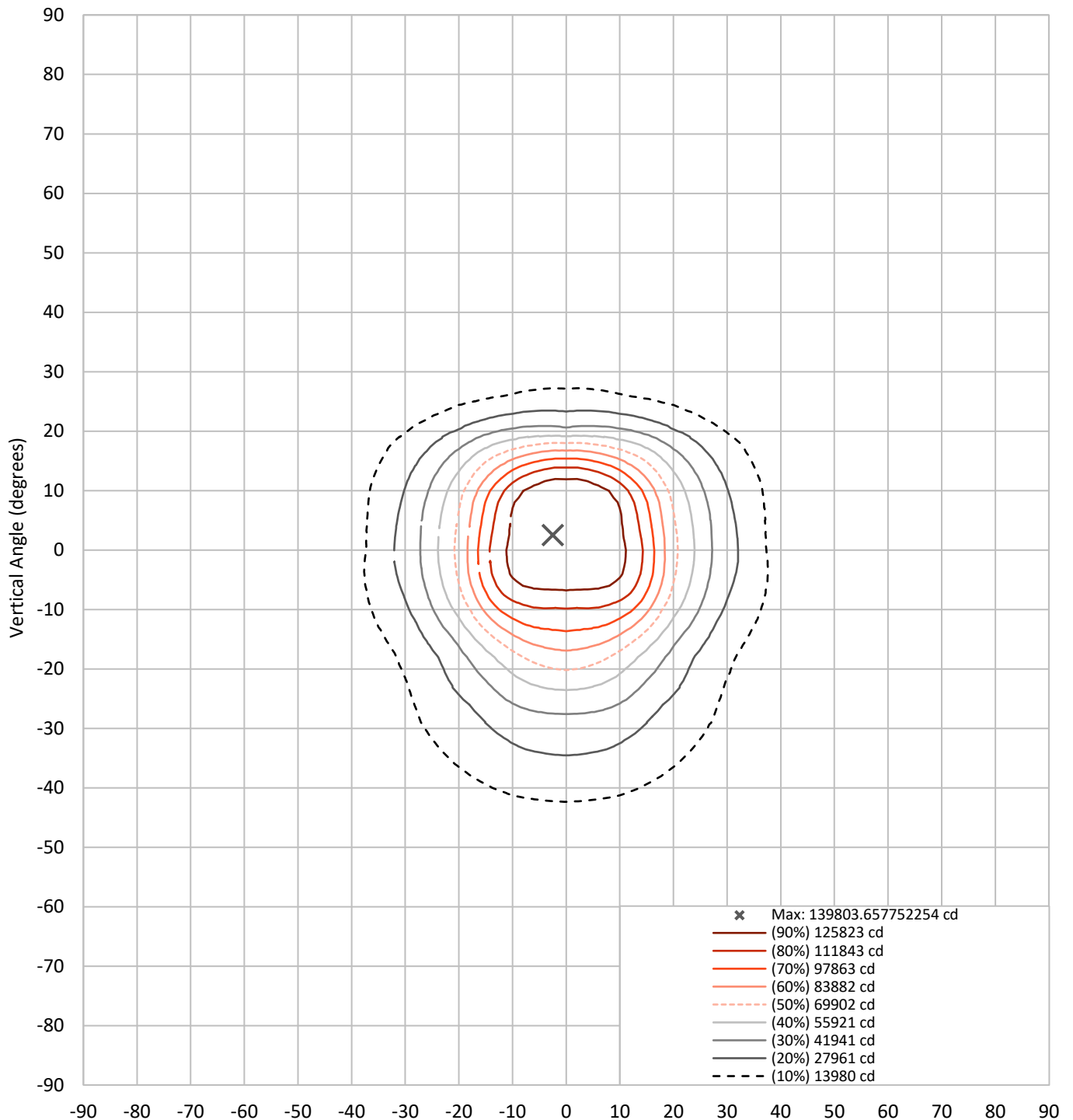
Test Method: LM-79-08  
Report Number: P701643 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-40-80-5S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	74639 lumens	Max Intensity:	139803.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	107.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	41126.5 lumens	Field Lumens:	69412.8 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%
Input Watts (W):	697.5		
Input Voltage (V):	NR		
Input Current (Ain):	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





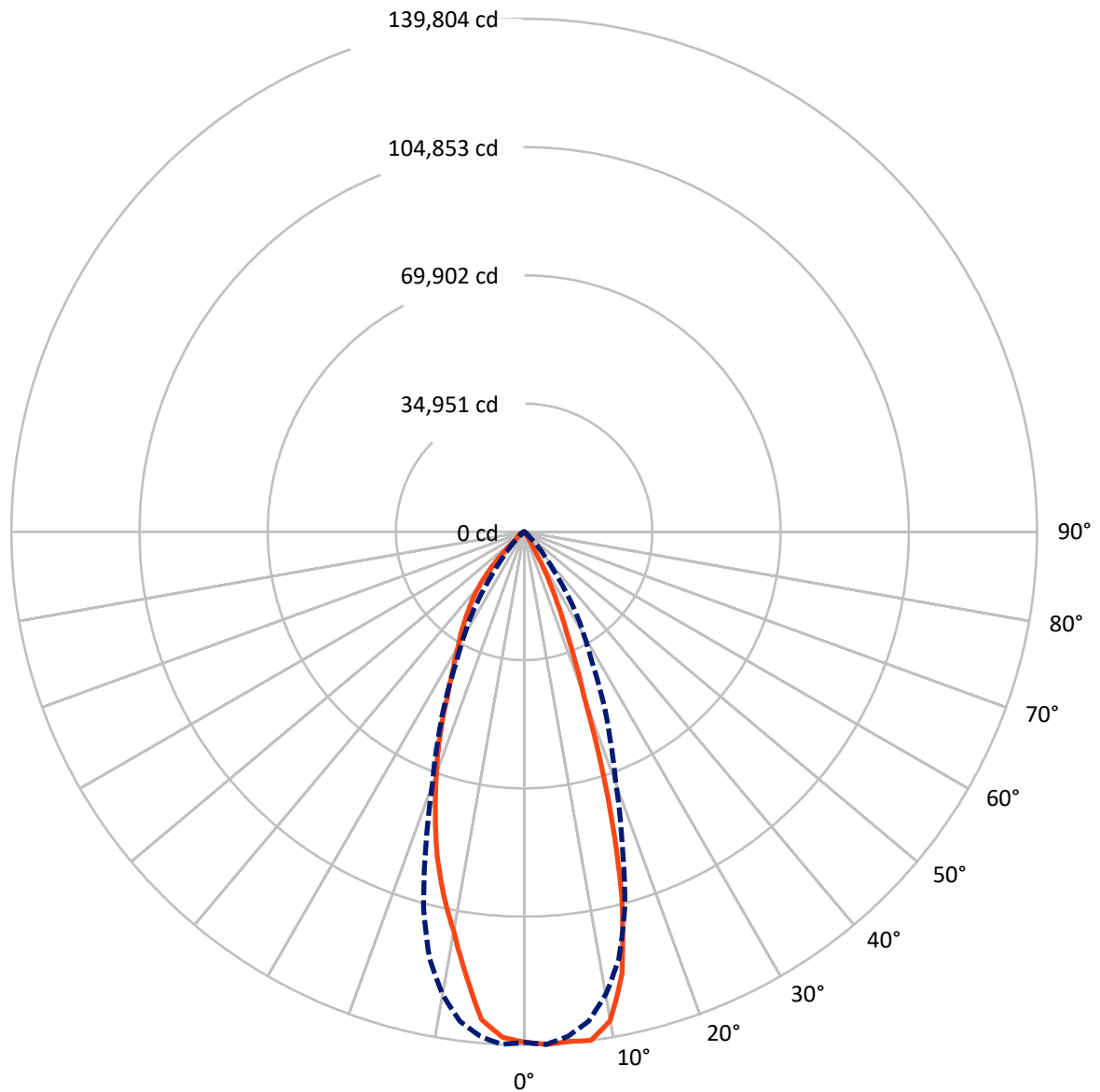
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### Lumen Table

90	0.1		0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1	
80	0.1		0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1	
70	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1		
60		0.1	0.2	0.7	0.8	0.4	0.3	0.3	0.3	0.3	0.4	0.8	0.7	0.2	0.1			
50	0.1	0.1	0.3	0.5	0.8	1.0	1.2	1.1	1.1	1.2	1.0	0.8	0.5	0.3	0.1	0.1		
40		0.2	0.8	2.3	4.9	10.5	24.9	35.5	35.5	24.9	10.5	4.9	2.3	0.8	0.2			
30	0.2	0.4	4.0	14.9	81.4	249.9	502.8	676.5	676.5	502.8	249.9	81.4	14.9	4.0	0.4	0.2		
20		1.1	9.7	53.8	335.4	954.8	1979.3	2850.5	2850.5	1979.3	954.8	335.4	53.8	9.7	1.1			
10	0.2	1.8	13.2	84.9	482.0	1373.5	2967.6	4103.8	4103.8	2967.6	1373.5	482.0	84.9	13.2	1.8	0.2		
0		2.3	14.1	88.8	485.5	1339.0	2924.5	3876.4	3876.4	2924.5	1339.0	485.5	88.8	14.1	2.3			
-10	0.4	2.7	13.6	59.6	319.2	883.3	1878.8	2672.4	2672.4	1878.8	883.3	319.2	59.6	13.6	2.7	0.4		
-20		2.6	12.8	33.2	188.1	540.9	1051.4	1487.0	1487.0	1051.4	540.9	188.1	33.2	12.8	2.6			
-30	0.3	2.1	10.4	24.7	75.6	298.2	581.8	796.3	796.3	581.8	298.2	75.6	24.7	10.4	2.1	0.3		
-40		1.3	6.8	19.3	37.2	69.4	164.4	255.5	255.5	164.4	69.4	37.2	19.3	6.8	1.3			
-50	0.2	0.7	3.4	10.5	22.8	37.2	50.7	58.7	58.7	50.7	37.2	22.8	10.5	3.4	0.7	0.2		
-60		0.3	1.2	3.6	7.8	13.3	19.6	23.1	23.1	19.6	13.3	7.8	3.6	1.2	0.3			
-70	0.2	0.7	3.4	10.5	22.8	37.2	50.7	58.7	58.7	50.7	37.2	22.8	10.5	3.4	0.7	0.2		
-80		0.3	1.2	3.6	7.8	13.3	19.6	23.1	23.1	19.6	13.3	7.8	3.6	1.2	0.3			
-90	0.2		0.7		2.6		6.2		8.4		6.2		2.6		0.7		0.2	

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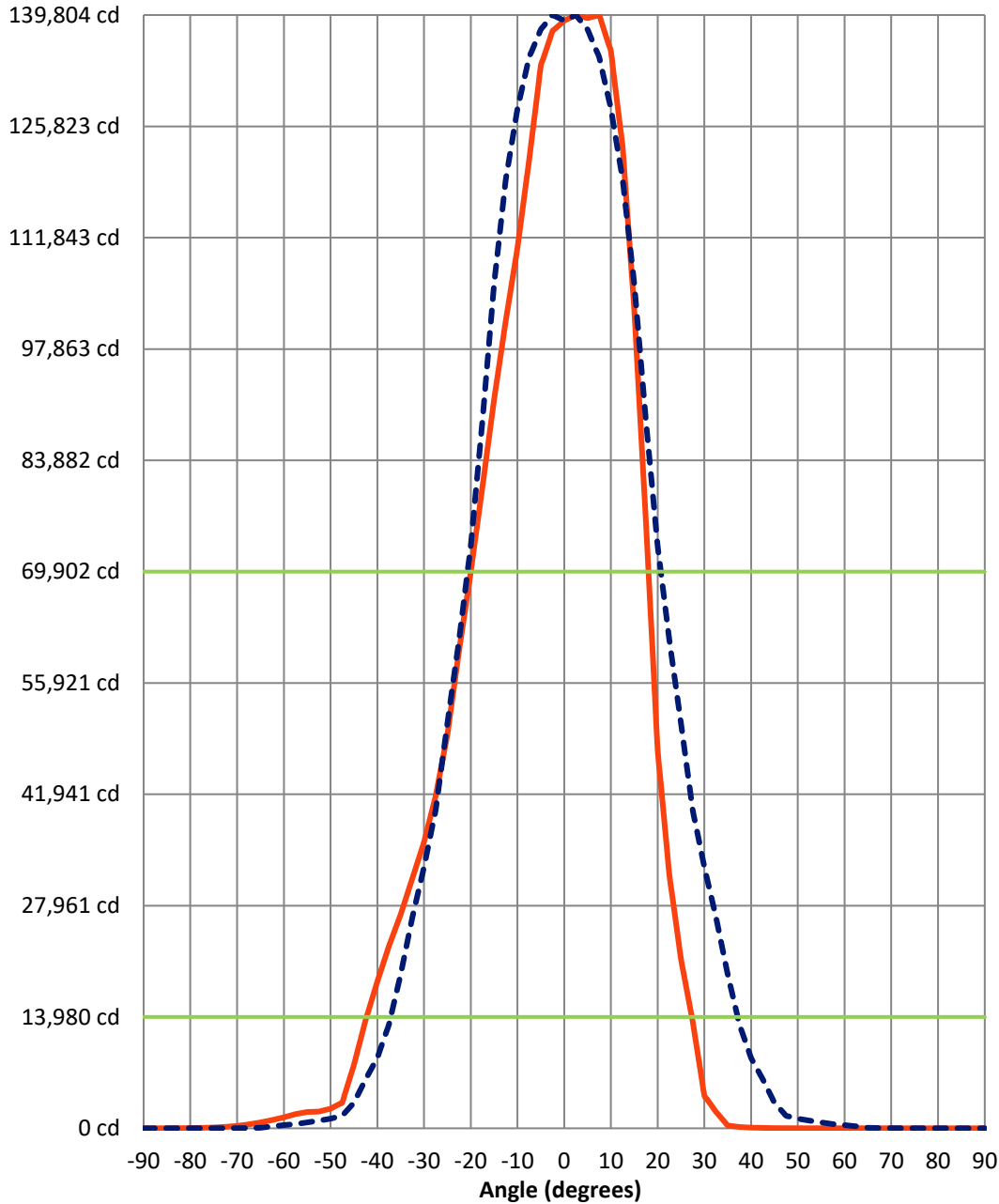
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.4°  
 V Angle: 38°  
 Lumens: 41126.5  
 Efficiency: 55.1%

**Field:**  
 H Angle: 74.2°  
 V Angle: 69.6°  
 Lumens: 69412.8  
 Efficiency: 93.0%

**Spill:**  
 Lumens: 5226.2  
 Efficiency: 7.0%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through 2.5-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6	6	6	6	6	6	6	6	6	6	6
87.5°	6	6	6	6	6	6	6	6	5	5	4
85°	6	6	6	6	6	6	6	6	5	5	4
82.5°	6	6	6	6	6	6	6	6	5	5	5
80°	6	6	6	6	6	6	6	6	5	5	5
77.5°	6	6	6	6	6	6	6	6	6	6	6
75°	6	6	6	6	6	6	6	6	6	6	6
72.5°	6	6	6	6	6	6	6	6	6	6	6
70°	6	6	6	6	6	6	6	6	6	6	6
67.5°	6	6	6	6	6	6	6	6	6	6	6
65°	6	6	6	6	6	6	6	6	6	6	6
62.5°	6	6	6	6	6	6	6	6	6	6	6
60°	6	6	6	6	6	6	6	6	6	6	6
57.5°	6	6	6	6	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6	6	6	6	7
52.5°	6	6	6	6	6	6	6	6	6	7	7
50°	6	6	6	6	6	6	7	6	6	7	8
47.5°	6	6	6	6	6	6	7	6	7	8	9
45°	6	6	6	6	6	7	7	6	7	8	10
42.5°	6	6	6	6	6	7	7	7	8	9	11
40°	6	6	6	6	6	7	7	7	9	10	11
37.5°	6	6	6	6	6	7	7	8	9	10	12
35°	6	6	6	6	7	8	7	8	10	11	12
32.5°	6	6	6	6	7	8	7	9	10	12	14
30°	6	6	6	6	7	8	8	9	11	13	16
27.5°	6	6	6	6	7	8	8	10	11	13	18
25°	6	6	6	7	7	8	9	10	12	15	21
22.5°	6	6	6	7	8	8	9	11	13	17	25
20°	6	6	6	7	8	8	9	11	13	19	31
17.5°	6	6	6	7	8	8	9	11	14	21	36
15°	6	6	6	7	8	8	10	12	15	23	41
12.5°	6	6	6	7	8	8	10	12	15	25	47
10°	6	6	6	7	8	8	10	12	16	28	52
7.5°	6	6	6	8	8	8	10	12	17	30	57
5°	6	6	6	8	8	8	10	12	17	32	62
2.5°	6	6	6	8	8	8	10	12	18	34	66
0°	6	6	6	8	8	8	10	12	18	36	70
-2.5°	6	6	6	8	8	8	11	14	24	47	87
-5°	6	6	6	8	8	8	11	16	30	57	103
-7.5°	6	6	6	8	8	9	11	18	35	67	118
-10°	6	6	6	8	8	9	12	20	40	75	131
-12.5°	6	6	6	8	8	9	12	21	44	83	144
-15°	6	6	6	8	8	9	12	22	48	90	155
-17.5°	6	6	7	8	8	9	13	24	51	95	163
-20°	6	6	7	8	8	9	13	26	53	99	167



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6	6	7	8	8	9	14	27	55	101	168
-25°	6	6	7	8	8	9	15	28	54	100	166
-27.5°	6	6	7	8	8	10	15	28	53	98	164
-30°	6	6	7	8	8	10	15	27	52	96	161
-32.5°	6	6	7	8	8	10	15	27	51	93	154
-35°	6	6	7	8	8	9	15	27	49	87	143
-37.5°	6	6	7	8	8	9	14	26	46	79	130
-40°	6	6	7	8	8	9	14	24	42	73	117
-42.5°	6	6	7	8	8	9	13	22	39	66	103
-45°	6	6	7	8	8	9	12	20	36	59	88
-47.5°	6	6	7	8	8	9	11	18	32	50	78
-50°	6	6	6	8	8	9	10	16	27	44	68
-52.5°	6	6	6	8	8	9	10	14	23	38	57
-55°	6	6	6	8	8	9	10	12	20	30	48
-57.5°	6	6	6	7	8	9	10	11	16	25	39
-60°	6	6	6	7	8	9	10	11	13	21	30
-62.5°	6	6	6	7	8	8	9	11	13	16	25
-65°	6	6	6	7	8	8	9	10	12	14	19
-67.5°	6	6	6	7	7	8	8	10	11	13	16
-70°	6	6	6	6	7	8	8	9	10	11	14
-72.5°	6	6	6	6	7	8	8	8	10	11	12
-75°	6	6	6	6	7	8	8	8	9	10	11
-77.5°	6	6	6	6	7	7	8	8	9	9	10
-80°	6	6	6	6	7	7	8	8	8	9	9
-82.5°	6	6	6	6	7	7	8	8	8	8	9
-85°	6	6	6	6	6	7	7	7	7	8	8
-87.5°	6	6	6	6	6	6	7	7	7	7	7
-90°	6	6	6	6	6	6	6	6	5	5	4





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6	6	6	6	6	6	6	6	6	6	6
87.5°	4	4	4	4	4	4	4	4	4	4	4
85°	4	4	4	4	4	4	4	4	4	4	4
82.5°	5	5	4	4	4	4	4	4	4	4	4
80°	5	5	5	4	4	5	5	6	5	5	5
77.5°	6	5	5	4	4	5	6	6	6	6	6
75°	6	5	5	5	5	6	6	6	7	7	7
72.5°	6	6	6	6	6	6	7	8	8	8	8
70°	6	6	6	6	6	7	8	9	10	10	11
67.5°	6	6	6	6	7	8	9	11	14	16	17
65°	6	6	6	7	8	9	12	15	21	24	25
62.5°	6	6	7	8	9	11	16	23	30	34	33
60°	6	6	8	9	11	15	22	29	39	46	41
57.5°	6	7	9	11	14	19	25	35	44	55	47
55°	7	9	11	13	17	20	27	36	46	53	47
52.5°	8	10	12	15	19	21	25	33	40	45	42
50°	10	11	13	17	20	21	21	27	32	35	35
47.5°	11	12	14	18	20	21	19	22	26	28	28
45°	11	13	16	19	21	20	20	19	23	26	26
42.5°	12	15	18	20	21	22	22	22	25	30	33
40°	13	16	20	22	23	26	30	32	34	41	46
37.5°	14	19	23	27	27	34	39	57	60	55	72
35°	16	21	30	38	43	44	69	93	103	101	115
32.5°	18	24	38	57	76	81	107	147	183	198	189
30°	21	32	50	81	124	171	178	223	296	356	445
27.5°	26	42	73	124	193	290	313	353	462	611	899
25°	32	66	99	183	310	423	468	542	668	1152	1815
22.5°	46	99	153	250	446	563	644	768	1068	1841	3131
20°	69	145	221	335	591	711	820	1008	1678	3116	5212
17.5°	97	194	291	438	668	833	1001	1254	2318	4603	7387
15°	128	246	357	526	736	914	1148	1731	3334	6300	9385
12.5°	162	300	419	602	800	989	1268	2138	4394	7842	11438
10°	196	355	476	666	858	1060	1378	2510	5141	8420	12421
7.5°	217	389	523	719	910	1123	1474	2839	5669	8712	12826
5°	233	397	527	734	943	1174	1550	3115	5998	8753	12951
2.5°	245	401	528	739	964	1209	1576	3206	6148	8833	13038
0°	254	400	526	737	977	1235	1585	3224	6151	8885	13070
-2.5°	267	414	552	768	993	1241	1598	3314	6450	9445	14056
-5°	277	425	575	793	1002	1238	1596	3319	6487	9574	14096
-7.5°	283	432	591	807	994	1207	1541	3051	5916	8987	13138
-10°	287	441	603	799	964	1156	1464	2719	5234	8232	11981
-12.5°	293	451	611	789	937	1099	1373	2333	4459	7309	10640
-15°	295	458	615	779	914	1039	1268	1901	3682	6498	9312
-17.5°	293	462	615	771	897	975	1162	1527	3102	5711	8308
-20°	285	461	612	767	887	954	1126	1446	2605	4789	7359



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	273	458	606	759	886	973	1097	1343	1980	3725	6375
-25°	265	440	597	738	880	994	1065	1234	1589	2912	5050
-27.5°	261	417	569	708	864	1006	1071	1194	1445	2019	3654
-30°	252	378	536	670	828	982	1094	1153	1315	1649	2611
-32.5°	234	339	492	629	778	947	1099	1156	1261	1454	1814
-35°	214	313	443	582	718	889	1050	1172	1218	1358	1609
-37.5°	196	283	394	528	661	818	995	1137	1232	1293	1479
-40°	175	249	354	474	603	746	909	1076	1211	1326	1404
-42.5°	153	223	312	420	544	677	818	983	1155	1320	1441
-45°	135	194	268	369	481	604	737	876	1056	1242	1410
-47.5°	115	164	232	314	418	531	651	783	931	1110	1303
-50°	96	141	193	266	353	455	565	680	811	960	1130
-52.5°	83	115	161	217	292	379	476	578	689	812	951
-55°	70	97	130	177	233	307	386	476	569	675	783
-57.5°	57	80	106	140	185	236	305	376	458	544	630
-60°	46	63	85	111	141	183	227	287	353	417	489
-62.5°	34	49	66	86	111	135	170	211	254	307	360
-65°	27	35	48	64	82	103	125	147	181	216	249
-67.5°	20	27	34	44	58	73	89	108	127	145	167
-70°	16	19	25	32	38	46	59	73	86	100	115
-72.5°	13	16	18	21	27	32	37	42	51	62	72
-75°	12	13	15	17	19	21	24	28	32	37	41
-77.5°	11	11	12	13	15	16	18	20	22	23	25
-80°	10	10	10	11	12	13	14	15	16	17	19
-82.5°	9	9	9	9	10	10	10	11	11	12	13
-85°	8	8	8	8	8	9	9	9	9	9	9
-87.5°	7	7	7	7	7	7	7	7	7	8	8
-90°	4	4	4	4	4	4	4	4	4	4	4



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6	6	6	6	6	6	5	5	4	4	4
87.5°	4	4	4	4	4	4	3	3	2	2	2
85°	4	4	4	4	4	4	4	4	4	3	3
82.5°	4	4	4	4	4	4	4	4	4	4	3
80°	5	5	4	4	4	4	4	4	4	4	3
77.5°	6	6	5	5	4	4	4	4	4	4	3
75°	6	6	6	5	5	5	5	4	4	4	4
72.5°	8	8	7	8	8	7	7	6	6	6	6
70°	12	12	12	12	11	10	9	9	8	8	8
67.5°	18	18	17	16	14	12	11	10	9	8	9
65°	25	22	20	18	16	14	13	12	10	10	11
62.5°	30	24	20	18	17	16	14	12	11	10	10
60°	34	25	19	17	16	14	12	11	10	9	8
57.5°	36	26	17	15	13	11	10	9	9	8	8
55°	35	24	15	13	12	12	12	11	10	9	10
52.5°	30	22	16	14	13	13	12	12	12	11	11
50°	27	20	16	14	14	14	14	14	14	14	15
47.5°	24	19	18	16	16	17	18	18	19	19	18
45°	24	25	25	23	23	31	32	27	32	31	27
42.5°	35	37	38	46	63	62	60	68	63	55	49
40°	54	54	64	78	78	75	85	86	85	90	88
37.5°	85	86	91	100	115	108	129	143	146	165	180
35°	142	167	145	197	231	223	255	311	258	395	420
32.5°	266	321	363	423	499	613	621	1022	1102	1338	1662
30°	459	618	923	1003	1126	1595	2150	2844	3488	3949	4555
27.5°	1104	1367	2026	2741	2699	3575	5558	6168	7843	8400	9813
25°	2470	3100	4693	6114	6837	9146	11762	12942	15148	16321	18051
22.5°	4831	6557	8671	10852	13570	17105	20339	22700	25670	28054	29465
20°	7819	10208	13463	16851	21055	25699	29074	33857	38324	42566	44479
17.5°	10665	14656	18594	22684	28198	34272	39774	46769	54176	59872	64515
15°	13076	17517	23199	28086	34398	41973	50152	59095	69747	77843	86562
12.5°	15302	19755	25920	31757	40256	48811	58356	69468	81781	93757	104992
10°	16735	21867	28474	35565	44271	54205	65062	77511	93291	106982	119639
7.5°	17602	23793	30634	38196	47515	57738	69173	83848	100428	114729	126099
5°	18454	25371	32029	39464	49627	60030	71183	85904	103004	117319	127530
2.5°	19309	26458	32795	39968	50826	61325	73134	88817	106005	119152	128022
0°	20091	26845	33071	40095	51349	61890	73913	89399	108575	121219	129806
-2.5°	20374	26824	32773	39737	50913	61116	73082	89771	107666	120532	129251
-5°	19512	25366	31154	38209	48597	59129	71175	87724	104711	118030	126345
-7.5°	17891	23180	28874	35865	45304	55481	66447	80902	97625	110033	116582
-10°	16195	20732	26110	32580	40898	50564	59653	71953	87409	98410	105112
-12.5°	14256	17937	22902	28557	35982	44408	52722	63125	74929	86244	93221
-15°	12220	15183	19496	24923	30787	37089	44777	53204	62616	71788	79737
-17.5°	10591	12877	16835	21712	26183	31296	38790	45640	52529	59925	66547
-20°	9543	11689	14886	18958	23393	28548	34338	40330	46733	52412	58249



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8706	10912	13379	16773	21494	26229	30683	35269	40581	46382	51271
-25°	7620	9933	12277	15504	19479	23664	26944	30209	35002	39935	43977
-27.5°	6109	8724	11460	14088	17476	20453	23334	26293	30473	34637	37657
-30°	4359	7380	10222	12906	15233	17577	19987	23016	26509	29860	32427
-32.5°	3190	5453	8526	11266	13543	15505	17356	20051	22785	25471	27925
-35°	2035	3690	6085	8875	11547	13630	15643	17596	19650	21940	24063
-37.5°	1752	2197	3669	5750	8312	11034	13012	14957	17054	18774	20559
-40°	1588	1821	2193	2932	4866	6786	9009	11089	13093	14859	16490
-42.5°	1517	1656	1806	2086	2398	3319	4940	6454	8238	10010	11559
-45°	1553	1601	1677	1815	1943	2202	2475	2761	3980	5258	6353
-47.5°	1453	1593	1667	1727	1793	1905	2022	2181	2456	2734	2955
-50°	1288	1437	1567	1696	1758	1803	1851	1944	2072	2203	2299
-52.5°	1083	1227	1370	1500	1606	1709	1810	1887	1953	2019	2051
-55°	900	1019	1135	1252	1368	1478	1590	1704	1810	1908	1957
-57.5°	727	828	927	1016	1109	1202	1306	1417	1527	1630	1683
-60°	564	641	722	795	863	927	1017	1108	1195	1270	1309
-62.5°	412	472	534	591	646	701	768	834	898	949	979
-65°	286	330	372	412	450	497	548	597	644	679	699
-67.5°	195	221	245	266	294	327	363	396	428	451	466
-70°	130	145	157	172	190	208	227	246	265	278	286
-72.5°	83	92	100	111	120	130	139	148	156	163	170
-75°	45	50	57	63	69	76	82	87	92	95	98
-77.5°	28	31	34	36	38	41	44	48	51	53	55
-80°	20	21	22	23	24	25	26	26	27	28	28
-82.5°	14	14	15	15	16	17	18	18	19	20	21
-85°	9	9	9	9	9	10	10	11	12	12	12
-87.5°	8	7	7	6	6	6	6	6	6	6	6
-90°	4	4	4	4	4	4	3	3	2	2	2



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	4	4	4	4	4	4	4	4	4	4	5
87.5°	2	2	2	2	2	2	2	2	2	2	3
85°	2	2	2	2	2	2	2	3	3	4	4
82.5°	3	2	2	2	2	2	3	3	4	4	4
80°	3	2	2	2	2	2	3	3	4	4	4
77.5°	3	2	2	2	2	2	3	3	4	4	4
75°	4	4	4	4	4	4	4	4	4	4	4
72.5°	6	6	6	6	6	6	6	6	6	6	6
70°	8	8	8	8	8	8	8	8	8	8	9
67.5°	9	10	10	10	10	10	9	9	8	9	10
65°	12	14	13	12	13	14	12	11	10	10	12
62.5°	10	10	10	10	10	10	10	10	10	11	12
60°	8	8	8	8	8	8	8	8	9	10	11
57.5°	9	10	10	10	10	10	9	8	8	9	9
55°	10	10	10	10	10	10	10	10	9	10	11
52.5°	12	12	12	12	12	12	12	11	11	12	12
50°	14	14	14	14	14	14	14	15	14	14	14
47.5°	18	18	18	18	18	18	18	18	19	19	18
45°	27	26	26	26	26	26	27	27	31	32	27
42.5°	52	54	56	60	56	54	52	49	55	63	68
40°	89	87	83	84	83	87	89	88	90	85	86
37.5°	185	178	165	156	165	178	185	180	165	146	143
35°	381	372	350	344	350	372	381	420	395	258	311
32.5°	1793	1999	2064	2066	2064	1999	1793	1662	1338	1102	1022
30°	4602	4552	4108	3651	4108	4552	4602	4555	3949	3488	2844
27.5°	11076	12429	13406	13090	13406	12429	11076	9813	8400	7843	6168
25°	19949	20906	21221	20754	21221	20906	19949	18051	16321	15148	12942
22.5°	31319	31894	31844	30794	31844	31894	31319	29465	28054	25670	22700
20°	47164	47073	47544	45407	47544	47073	47164	44479	42566	38324	33857
17.5°	69575	73256	76058	75790	76058	73256	69575	64515	59872	54176	46769
15°	93381	98943	102744	102991	102744	98943	93381	86562	77843	69747	59095
12.5°	114075	120023	123251	122761	123251	120023	114075	104992	93757	81781	69468
10°	127258	131836	135233	136078	135233	131836	127258	119639	106982	93291	77511
7.5°	132544	136828	139790	139746	139790	136828	132544	126099	114729	100428	83848
5°	133522	137741	139417	139735	139417	137741	133522	127530	117319	103004	85904
2.5°	134484	137982	139804	139111	139804	137982	134484	128022	119152	106005	88817
0°	134860	137664	139088	138648	139088	137664	134860	129806	121219	108575	89399
-2.5°	134732	136576	137781	137365	137781	136576	134732	129251	120532	107666	89771
-5°	131284	132872	133434	133741	133434	132872	131284	126345	118030	104711	87724
-7.5°	120204	122291	121620	122633	121620	122291	120204	116582	110033	97625	80902
-10°	109243	111274	110577	111231	110577	111274	109243	105112	98410	87409	71953
-12.5°	98907	101462	101425	102351	101425	101462	98907	93221	86244	74929	63125
-15°	86481	89735	91508	92645	91508	89735	86481	79737	71788	62616	53204
-17.5°	73354	77540	80521	80980	80521	77540	73354	66547	59925	52529	45640
-20°	63263	67036	69842	70748	69842	67036	63263	58249	52412	46733	40330



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	54809	57923	59952	60452	59952	57923	54809	51271	46382	40581	35269
-25°	46625	48366	49432	49834	49432	48366	46625	43977	39935	35002	30209
-27.5°	39965	41207	41739	41948	41739	41207	39965	37657	34637	30473	26293
-30°	34390	35343	35927	36144	35927	35343	34390	32427	29860	26509	23016
-32.5°	29800	30749	31365	31586	31365	30749	29800	27925	25471	22785	20051
-35°	25503	26287	26848	27109	26848	26287	25503	24063	21940	19650	17596
-37.5°	21704	22412	22879	23024	22879	22412	21704	20559	18774	17054	14957
-40°	17409	18048	18403	18386	18403	18048	17409	16490	14859	13093	11089
-42.5°	12473	13118	13575	13917	13575	13118	12473	11559	10010	8238	6454
-45°	7086	7616	7958	8118	7958	7616	7086	6353	5258	3980	2761
-47.5°	3086	3183	3231	3232	3231	3183	3086	2955	2734	2456	2181
-50°	2369	2430	2465	2474	2465	2430	2369	2299	2203	2072	1944
-52.5°	2073	2094	2104	2104	2104	2094	2073	2051	2019	1953	1887
-55°	1998	2033	2046	2044	2046	2033	1998	1957	1908	1810	1704
-57.5°	1727	1762	1782	1789	1782	1762	1727	1683	1630	1527	1417
-60°	1340	1362	1381	1393	1381	1362	1340	1309	1270	1195	1108
-62.5°	1003	1021	1039	1051	1039	1021	1003	979	949	898	834
-65°	713	722	737	749	737	722	713	699	679	644	597
-67.5°	478	487	492	494	492	487	478	466	451	428	396
-70°	291	294	301	306	301	294	291	286	278	265	246
-72.5°	176	181	181	180	181	181	176	170	163	156	148
-75°	100	101	102	102	102	101	100	98	95	92	87
-77.5°	56	57	57	56	57	57	56	55	53	51	48
-80°	29	30	30	30	30	30	29	28	28	27	26
-82.5°	21	22	21	20	21	22	21	21	20	19	18
-85°	12	12	12	12	12	12	12	12	12	12	11
-87.5°	6	6	6	6	6	6	6	6	6	6	6
-90°	2	2	1	0	1	2	2	2	2	2	3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5	6	6	6	6	6	6	6	6	6	6
87.5°	3	4	4	4	4	4	4	4	4	4	4
85°	4	4	4	4	4	4	4	4	4	4	4
82.5°	4	4	4	4	4	4	4	4	4	4	4
80°	4	4	4	4	4	5	5	5	5	5	6
77.5°	4	4	4	5	5	6	6	6	6	6	6
75°	5	5	5	5	6	6	6	7	7	7	6
72.5°	7	7	8	8	7	8	8	8	8	8	8
70°	9	10	11	12	12	12	12	11	10	10	9
67.5°	11	12	14	16	17	18	18	17	16	14	11
65°	13	14	16	18	20	22	25	25	24	21	15
62.5°	14	16	17	18	20	24	30	33	34	30	23
60°	12	14	16	17	19	25	34	41	46	39	29
57.5°	10	11	13	15	17	26	36	47	55	44	35
55°	12	12	12	13	15	24	35	47	53	46	36
52.5°	12	13	13	14	16	22	30	42	45	40	33
50°	14	14	14	14	16	20	27	35	35	32	27
47.5°	18	17	16	16	18	19	24	28	28	26	22
45°	32	31	23	23	25	25	24	26	26	23	19
42.5°	60	62	63	46	38	37	35	33	30	25	22
40°	85	75	78	78	64	54	54	46	41	34	32
37.5°	129	108	115	100	91	86	85	72	55	60	57
35°	255	223	231	197	145	167	142	115	101	103	93
32.5°	621	613	499	423	363	321	266	189	198	183	147
30°	2150	1595	1126	1003	923	618	459	445	356	296	223
27.5°	5558	3575	2699	2741	2026	1367	1104	899	611	462	353
25°	11762	9146	6837	6114	4693	3100	2470	1815	1152	668	542
22.5°	20339	17105	13570	10852	8671	6557	4831	3131	1841	1068	768
20°	29074	25699	21055	16851	13463	10208	7819	5212	3116	1678	1008
17.5°	39774	34272	28198	22684	18594	14656	10665	7387	4603	2318	1254
15°	50152	41973	34398	28086	23199	17517	13076	9385	6300	3334	1731
12.5°	58356	48811	40256	31757	25920	19755	15302	11438	7842	4394	2138
10°	65062	54205	44271	35565	28474	21867	16735	12421	8420	5141	2510
7.5°	69173	57738	47515	38196	30634	23793	17602	12826	8712	5669	2839
5°	71183	60030	49627	39464	32029	25371	18454	12951	8753	5998	3115
2.5°	73134	61325	50826	39968	32795	26458	19309	13038	8833	6148	3206
0°	73913	61890	51349	40095	33071	26845	20091	13070	8885	6151	3224
-2.5°	73082	61116	50913	39737	32773	26824	20374	14056	9445	6450	3314
-5°	71175	59129	48597	38209	31154	25366	19512	14096	9574	6487	3319
-7.5°	66447	55481	45304	35865	28874	23180	17891	13138	8987	5916	3051
-10°	59653	50564	40898	32580	26110	20732	16195	11981	8232	5234	2719
-12.5°	52722	44408	35982	28557	22902	17937	14256	10640	7309	4459	2333
-15°	44777	37089	30787	24923	19496	15183	12220	9312	6498	3682	1901
-17.5°	38790	31296	26183	21712	16835	12877	10591	8308	5711	3102	1527
-20°	34338	28548	23393	18958	14886	11689	9543	7359	4789	2605	1446



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	30683	26229	21494	16773	13379	10912	8706	6375	3725	1980	1343
-25°	26944	23664	19479	15504	12277	9933	7620	5050	2912	1589	1234
-27.5°	23334	20453	17476	14088	11460	8724	6109	3654	2019	1445	1194
-30°	19987	17577	15233	12906	10222	7380	4359	2611	1649	1315	1153
-32.5°	17356	15505	13543	11266	8526	5453	3190	1814	1454	1261	1156
-35°	15643	13630	11547	8875	6085	3690	2035	1609	1358	1218	1172
-37.5°	13012	11034	8312	5750	3669	2197	1752	1479	1293	1232	1137
-40°	9009	6786	4866	2932	2193	1821	1588	1404	1326	1211	1076
-42.5°	4940	3319	2398	2086	1806	1656	1517	1441	1320	1155	983
-45°	2475	2202	1943	1815	1677	1601	1553	1410	1242	1056	876
-47.5°	2022	1905	1793	1727	1667	1593	1453	1303	1110	931	783
-50°	1851	1803	1758	1696	1567	1437	1288	1130	960	811	680
-52.5°	1810	1709	1606	1500	1370	1227	1083	951	812	689	578
-55°	1590	1478	1368	1252	1135	1019	900	783	675	569	476
-57.5°	1306	1202	1109	1016	927	828	727	630	544	458	376
-60°	1017	927	863	795	722	641	564	489	417	353	287
-62.5°	768	701	646	591	534	472	412	360	307	254	211
-65°	548	497	450	412	372	330	286	249	216	181	147
-67.5°	363	327	294	266	245	221	195	167	145	127	108
-70°	227	208	190	172	157	145	130	115	100	86	73
-72.5°	139	130	120	111	100	92	83	72	62	51	42
-75°	82	76	69	63	57	50	45	41	37	32	28
-77.5°	44	41	38	36	34	31	28	25	23	22	20
-80°	26	25	24	23	22	21	20	19	17	16	15
-82.5°	18	17	16	15	15	14	14	13	12	11	11
-85°	10	10	9	9	9	9	9	9	9	9	9
-87.5°	6	6	6	6	7	7	8	8	8	7	7
-90°	3	4	4	4	4	4	4	4	4	4	4





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6	6	6	6	6	6	6	6	6	6	6
87.5°	4	4	4	4	4	4	4	4	5	5	6
85°	4	4	4	4	4	4	4	4	5	5	6
82.5°	4	4	4	4	4	5	5	5	5	5	6
80°	5	5	4	4	5	5	5	5	5	5	6
77.5°	6	5	4	4	5	5	6	6	6	6	6
75°	6	6	5	5	5	5	6	6	6	6	6
72.5°	7	6	6	6	6	6	6	6	6	6	6
70°	8	7	6	6	6	6	6	6	6	6	6
67.5°	9	8	7	6	6	6	6	6	6	6	6
65°	12	9	8	7	6	6	6	6	6	6	6
62.5°	16	11	9	8	7	6	6	6	6	6	6
60°	22	15	11	9	8	6	6	6	6	6	6
57.5°	25	19	14	11	9	7	6	6	6	6	6
55°	27	20	17	13	11	9	7	7	6	6	6
52.5°	25	21	19	15	12	10	8	7	7	6	6
50°	21	21	20	17	13	11	10	8	7	6	6
47.5°	19	21	20	18	14	12	11	9	8	7	6
45°	20	20	21	19	16	13	11	10	8	7	6
42.5°	22	22	21	20	18	15	12	11	9	8	7
40°	30	26	23	22	20	16	13	11	10	9	7
37.5°	39	34	27	27	23	19	14	12	10	9	8
35°	69	44	43	38	30	21	16	12	11	10	8
32.5°	107	81	76	57	38	24	18	14	12	10	9
30°	178	171	124	81	50	32	21	16	13	11	9
27.5°	313	290	193	124	73	42	26	18	13	11	10
25°	468	423	310	183	99	66	32	21	15	12	10
22.5°	644	563	446	250	153	99	46	25	17	13	11
20°	820	711	591	335	221	145	69	31	19	13	11
17.5°	1001	833	668	438	291	194	97	36	21	14	11
15°	1148	914	736	526	357	246	128	41	23	15	12
12.5°	1268	989	800	602	419	300	162	47	25	15	12
10°	1378	1060	858	666	476	355	196	52	28	16	12
7.5°	1474	1123	910	719	523	389	217	57	30	17	12
5°	1550	1174	943	734	527	397	233	62	32	17	12
2.5°	1576	1209	964	739	528	401	245	66	34	18	12
0°	1585	1235	977	737	526	400	254	70	36	18	12
-2.5°	1598	1241	993	768	552	414	267	87	47	24	14
-5°	1596	1238	1002	793	575	425	277	103	57	30	16
-7.5°	1541	1207	994	807	591	432	283	118	67	35	18
-10°	1464	1156	964	799	603	441	287	131	75	40	20
-12.5°	1373	1099	937	789	611	451	293	144	83	44	21
-15°	1268	1039	914	779	615	458	295	155	90	48	22
-17.5°	1162	975	897	771	615	462	293	163	95	51	24
-20°	1126	954	887	767	612	461	285	167	99	53	26



REPORT NUMBER: P701643 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1097	973	886	759	606	458	273	168	101	55	27
-25°	1065	994	880	738	597	440	265	166	100	54	28
-27.5°	1071	1006	864	708	569	417	261	164	98	53	28
-30°	1094	982	828	670	536	378	252	161	96	52	27
-32.5°	1099	947	778	629	492	339	234	154	93	51	27
-35°	1050	889	718	582	443	313	214	143	87	49	27
-37.5°	995	818	661	528	394	283	196	130	79	46	26
-40°	909	746	603	474	354	249	175	117	73	42	24
-42.5°	818	677	544	420	312	223	153	103	66	39	22
-45°	737	604	481	369	268	194	135	88	59	36	20
-47.5°	651	531	418	314	232	164	115	78	50	32	18
-50°	565	455	353	266	193	141	96	68	44	27	16
-52.5°	476	379	292	217	161	115	83	57	38	23	14
-55°	386	307	233	177	130	97	70	48	30	20	12
-57.5°	305	236	185	140	106	80	57	39	25	16	11
-60°	227	183	141	111	85	63	46	30	21	13	11
-62.5°	170	135	111	86	66	49	34	25	16	13	11
-65°	125	103	82	64	48	35	27	19	14	12	10
-67.5°	89	73	58	44	34	27	20	16	13	11	10
-70°	59	46	38	32	25	19	16	14	11	10	9
-72.5°	37	32	27	21	18	16	13	12	11	10	8
-75°	24	21	19	17	15	13	12	11	10	9	8
-77.5°	18	16	15	13	12	11	11	10	9	9	8
-80°	14	13	12	11	10	10	10	9	9	8	8
-82.5°	10	10	10	9	9	9	9	9	8	8	8
-85°	9	9	8	8	8	8	8	8	8	7	7
-87.5°	7	7	7	7	7	7	7	7	7	7	7
-90°	4	4	4	4	4	4	4	4	5	5	6



REPORT NUMBER: P701643 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6	6	6	6	6	6	6
87.5°	6	6	6	6	6	6	6
85°	6	6	6	6	6	6	6
82.5°	6	6	6	6	6	6	6
80°	6	6	6	6	6	6	6
77.5°	6	6	6	6	6	6	6
75°	6	6	6	6	6	6	6
72.5°	6	6	6	6	6	6	6
70°	6	6	6	6	6	6	6
67.5°	6	6	6	6	6	6	6
65°	6	6	6	6	6	6	6
62.5°	6	6	6	6	6	6	6
60°	6	6	6	6	6	6	6
57.5°	6	6	6	6	6	6	6
55°	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	6
50°	7	6	6	6	6	6	6
47.5°	7	6	6	6	6	6	6
45°	7	7	6	6	6	6	6
42.5°	7	7	6	6	6	6	6
40°	7	7	6	6	6	6	6
37.5°	7	7	6	6	6	6	6
35°	7	8	7	6	6	6	6
32.5°	7	8	7	6	6	6	6
30°	8	8	7	6	6	6	6
27.5°	8	8	7	6	6	6	6
25°	9	8	7	7	6	6	6
22.5°	9	8	8	7	6	6	6
20°	9	8	8	7	6	6	6
17.5°	9	8	8	7	6	6	6
15°	10	8	8	7	6	6	6
12.5°	10	8	8	7	6	6	6
10°	10	8	8	7	6	6	6
7.5°	10	8	8	8	6	6	6
5°	10	8	8	8	6	6	6
2.5°	10	8	8	8	6	6	6
0°	10	8	8	8	6	6	6
-2.5°	11	8	8	8	6	6	6
-5°	11	8	8	8	6	6	6
-7.5°	11	9	8	8	6	6	6
-10°	12	9	8	8	6	6	6
-12.5°	12	9	8	8	6	6	6
-15°	12	9	8	8	6	6	6
-17.5°	13	9	8	8	7	6	6
-20°	13	9	8	8	7	6	6



REPORT NUMBER: P701643 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14	9	8	8	7	6	6
-25°	15	9	8	8	7	6	6
-27.5°	15	10	8	8	7	6	6
-30°	15	10	8	8	7	6	6
-32.5°	15	10	8	8	7	6	6
-35°	15	9	8	8	7	6	6
-37.5°	14	9	8	8	7	6	6
-40°	14	9	8	8	7	6	6
-42.5°	13	9	8	8	7	6	6
-45°	12	9	8	8	7	6	6
-47.5°	11	9	8	8	7	6	6
-50°	10	9	8	8	6	6	6
-52.5°	10	9	8	8	6	6	6
-55°	10	9	8	8	6	6	6
-57.5°	10	9	8	7	6	6	6
-60°	10	9	8	7	6	6	6
-62.5°	9	8	8	7	6	6	6
-65°	9	8	8	7	6	6	6
-67.5°	8	8	7	7	6	6	6
-70°	8	8	7	6	6	6	6
-72.5°	8	8	7	6	6	6	6
-75°	8	8	7	6	6	6	6
-77.5°	8	7	7	6	6	6	6
-80°	8	7	7	6	6	6	6
-82.5°	8	7	7	6	6	6	6
-85°	7	7	6	6	6	6	6
-87.5°	7	6	6	6	6	6	6
-90°	6	6	6	6	6	6	6

(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

