

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: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-1S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-1S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

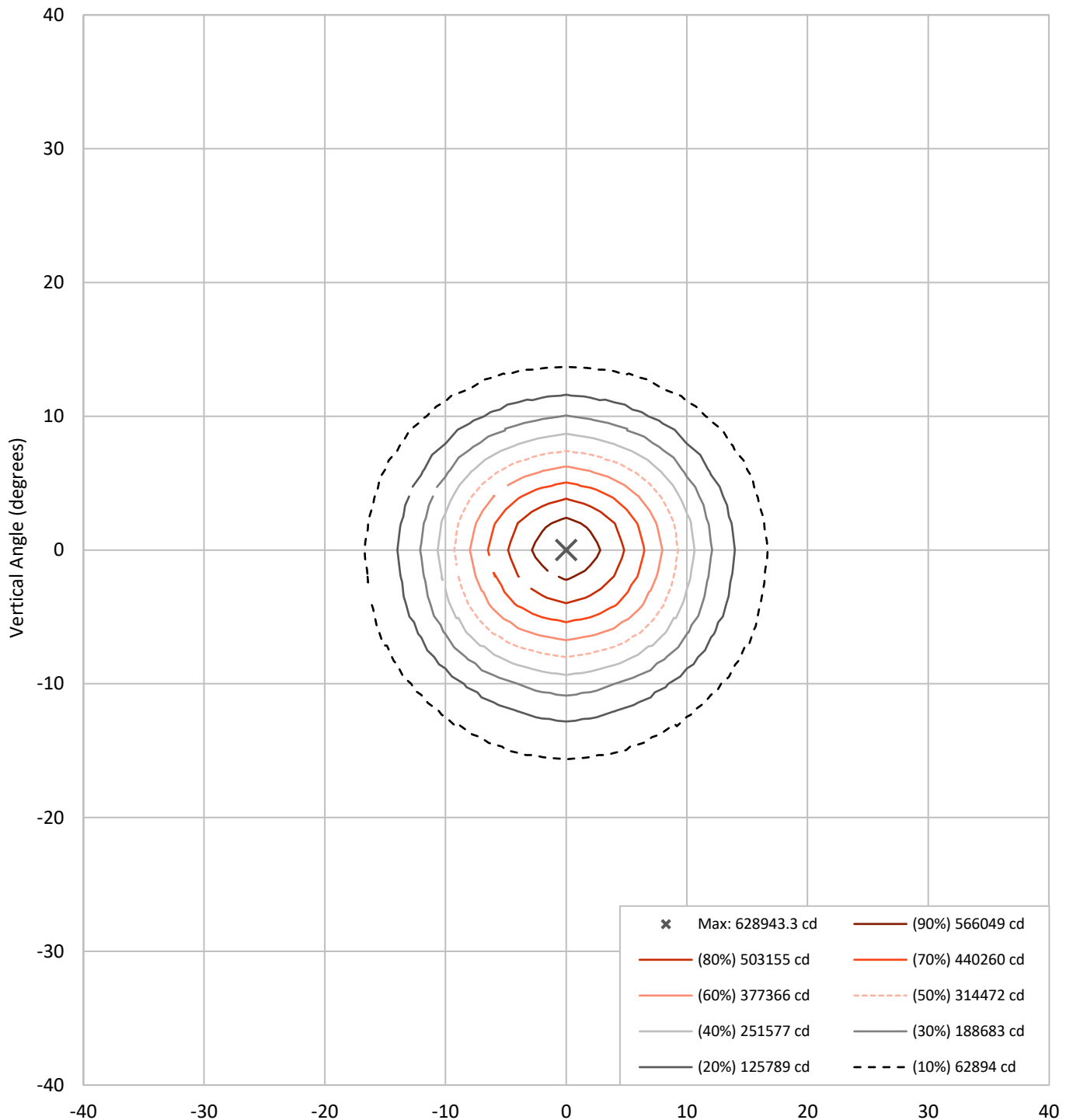
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64661.4 lumens	Max Intensity:	628943.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	89.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	29821 lumens	Field Lumens:	55016.7 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

Input Watts (W): 724.3
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





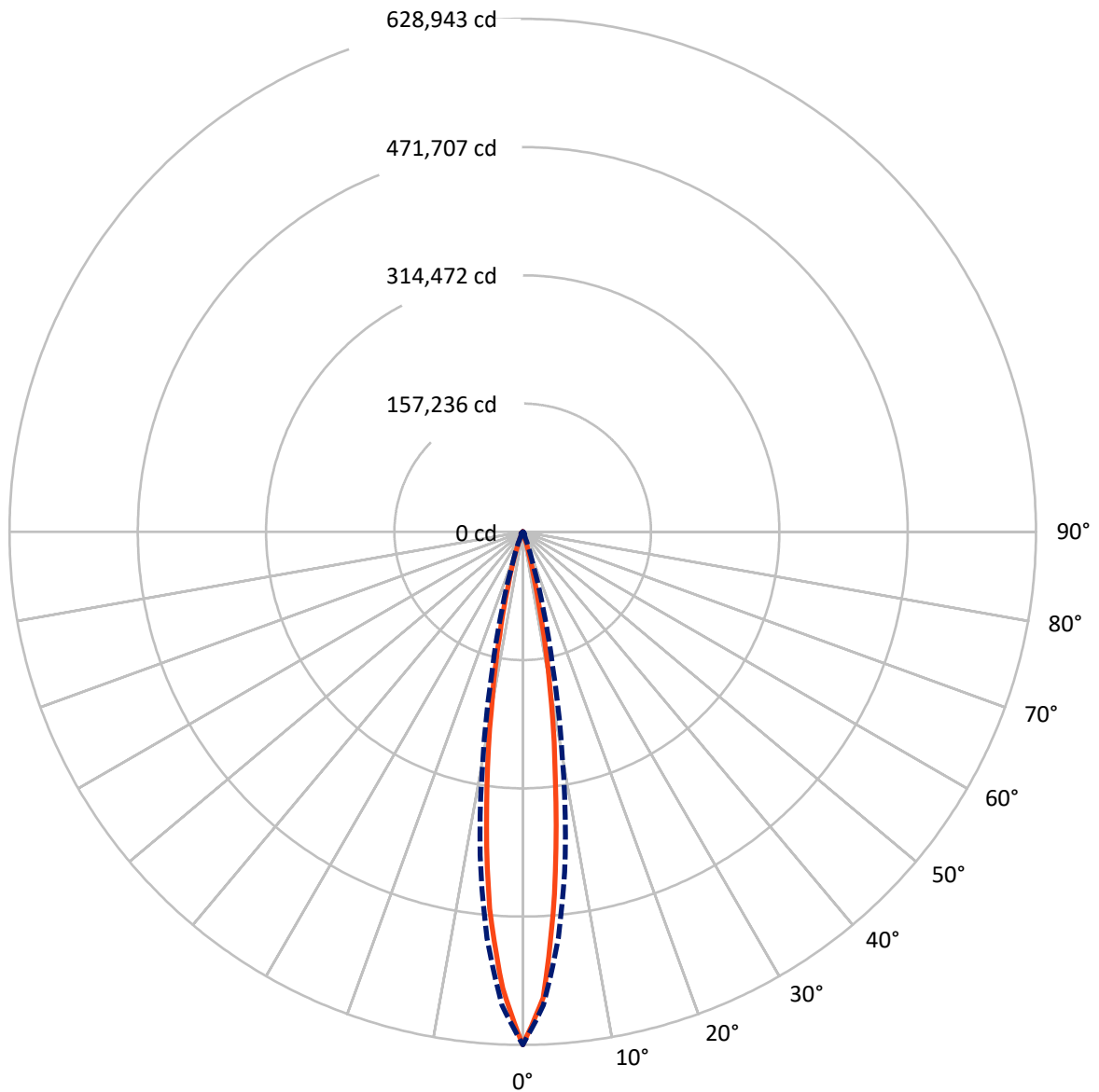
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Lumen Table

90	0.2		0.5		0.7		0.8		1.0		0.8		0.7		0.5		0.2	
80	0.2		0.1	0.2	0.6	0.8	0.5	0.4	0.3	0.3	0.4	0.5	0.8	0.6	0.2	0.1	0.2	
70	0.2		0.2	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.2	0.2	
60	0.3		0.3	0.5	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.5	0.3	0.3	
50	0.3		0.3	0.7	1.0	1.7	2.4	2.5	2.9	2.9	2.5	2.4	1.7	1.0	0.7	0.3	0.3	
40	0.4		0.6	1.6	3.8	7.2	8.2	11.7	23.4	23.4	11.7	8.2	7.2	3.8	1.6	0.6	0.4	
30	0.4		1.3	5.2	17.7	32.9	43.7	324.2	1350.2	1350.2	324.2	43.7	32.9	17.7	5.2	1.3	0.4	
20	0.5		2.1	10.4	44.4	71.9	163.5	2378.5	10306.5	10306.5	2378.5	163.5	71.9	44.4	10.4	2.1	0.5	
10	0.5		2.6	12.1	51.1	84.3	167.5	2552.6	10772.6	10772.6	2552.6	167.5	84.3	51.1	12.1	2.6	0.5	
0	0.6		2.8	10.6	38.6	69.6	76.6	544.4	2114.5	2114.5	544.4	76.6	69.6	38.6	10.6	2.8	0.6	
-10	0.6		2.7	9.1	21.7	56.0	64.8	71.5	139.2	139.2	71.5	64.8	56.0	21.7	9.1	2.7	0.6	
-20	0.5		2.4	7.8	13.8	34.3	64.8	75.7	76.5	76.5	75.7	64.8	34.3	13.8	7.8	2.4	0.5	
-30	0.5		1.6	5.8	11.9	18.6	32.7	55.2	72.4	72.4	55.2	32.7	18.6	11.9	5.8	1.6	0.5	
-40	0.3		0.8	3.3	7.7	13.9	19.2	22.6	25.2	25.2	22.6	19.2	13.9	7.7	3.3	0.8	0.3	
-50	0.3		0.4	1.1	3.1	6.1	9.6	12.7	15.0	15.0	12.7	9.6	6.1	3.1	1.1	0.4	0.3	
-60	0.3		0.4	1.1	3.1	6.1	9.6	12.7	15.0	15.0	12.7	9.6	6.1	3.1	1.1	0.4	0.3	
-70	0.3		0.4	1.1	3.1	6.1	9.6	12.7	15.0	15.0	12.7	9.6	6.1	3.1	1.1	0.4	0.3	
-80	0.2		1.1		2.8		6.8		11.4		6.8		2.8		1.1		0.2	
-90	0.2		1.1		2.8		6.8		11.4		6.8		2.8		1.1		0.2	

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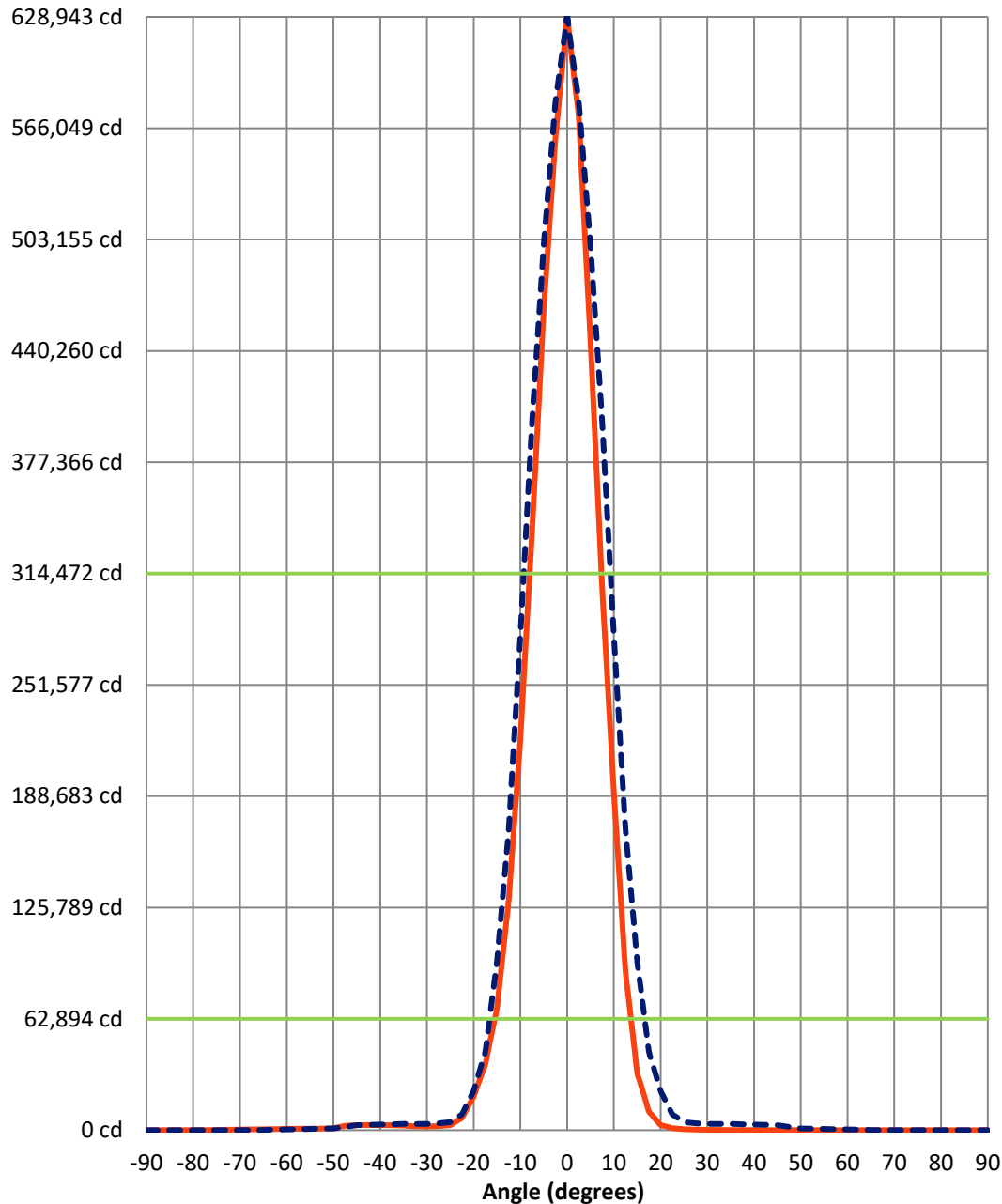
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 18.6°
V Angle: 15.4°
Lumens: 29821
Efficiency: 46.1%

Field:
H Angle: 33.2°
V Angle: 29.1°
Lumens: 55016.7
Efficiency: 85.1%

Spill:
Lumens: 9644.7
Efficiency: 14.9%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-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°	8	8	8	8	9	9	10	10	10	10	10
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°	8	8	8	8	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8	8	8	8	8
70°	8	8	8	8	9	9	8	8	9	9	9
67.5°	8	8	8	8	9	9	9	9	9	9	9
65°	8	8	8	9	9	9	9	9	10	10	10
62.5°	8	8	8	9	10	10	10	10	10	10	10
60°	8	8	8	9	10	10	10	10	11	11	11
57.5°	8	8	8	10	10	10	11	11	11	11	11
55°	8	8	8	10	11	11	11	11	12	12	12
52.5°	8	8	9	10	11	11	12	12	12	12	13
50°	8	8	9	11	11	12	12	13	13	13	15
47.5°	8	8	9	11	12	12	13	14	13	14	17
45°	8	8	9	11	12	13	14	15	14	15	18
42.5°	8	8	9	12	12	13	15	15	15	17	20
40°	8	8	9	12	13	14	16	17	17	18	22
37.5°	8	8	10	12	13	15	16	18	19	21	23
35°	8	8	10	12	13	15	17	19	20	23	24
32.5°	8	8	10	12	14	16	18	20	22	25	27
30°	8	8	10	12	14	17	19	21	24	28	30
27.5°	8	8	10	12	14	18	20	23	26	31	33
25°	8	8	10	12	14	18	21	24	28	34	37
22.5°	8	8	10	12	14	19	23	26	31	37	43
20°	8	8	10	12	14	19	24	27	33	40	49
17.5°	8	8	10	12	14	19	24	28	35	43	56
15°	8	8	10	12	14	18	23	29	38	47	62
12.5°	8	8	10	12	14	18	23	28	39	50	69
10°	8	8	10	12	14	18	22	28	39	52	75
7.5°	8	8	10	11	14	17	22	28	39	53	81
5°	8	8	10	11	13	17	21	27	38	54	87
2.5°	8	8	10	11	13	17	20	26	38	55	93
0°	8	8	10	11	13	17	20	26	37	56	98
-2.5°	8	8	10	11	13	16	20	28	43	67	113
-5°	8	8	10	11	13	16	21	31	50	78	127
-7.5°	8	8	10	11	13	16	21	33	55	87	140
-10°	8	8	10	11	13	16	22	35	60	96	151
-12.5°	8	8	10	11	13	16	23	37	64	104	162
-15°	8	8	10	11	13	16	23	38	68	112	171
-17.5°	8	8	9	11	13	16	23	40	73	118	179
-20°	8	8	9	11	13	16	23	42	76	123	184



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8	8	9	11	13	16	24	43	78	127	186
-25°	8	8	9	11	13	16	24	43	78	129	187
-27.5°	8	8	9	11	13	17	24	42	77	129	188
-30°	8	8	9	11	13	17	23	40	76	128	188
-32.5°	8	8	9	10	13	17	22	39	73	124	185
-35°	8	8	9	10	13	17	22	38	70	118	180
-37.5°	8	8	9	10	12	16	22	36	64	110	167
-40°	8	8	9	10	12	16	21	33	57	102	151
-42.5°	8	8	9	10	12	16	21	29	51	89	134
-45°	8	8	9	10	12	16	20	27	46	75	115
-47.5°	8	8	9	10	12	15	20	26	40	61	98
-50°	8	8	9	10	12	15	19	25	33	52	80
-52.5°	8	8	9	10	12	14	18	23	29	43	62
-55°	8	8	9	10	12	14	18	22	27	34	52
-57.5°	8	8	9	10	12	14	17	21	25	30	40
-60°	8	8	9	10	11	14	16	20	23	27	32
-62.5°	8	8	9	10	11	13	16	19	22	25	29
-65°	8	8	9	10	11	13	15	18	20	23	26
-67.5°	8	8	9	10	11	13	15	17	19	21	24
-70°	8	8	9	10	11	12	14	16	18	20	22
-72.5°	8	8	9	10	11	12	13	15	17	19	20
-75°	8	8	9	10	10	11	13	14	16	17	19
-77.5°	8	8	9	9	10	11	12	13	15	16	18
-80°	8	8	9	9	10	11	11	12	13	15	16
-82.5°	8	8	8	9	10	10	11	11	12	13	14
-85°	8	8	8	9	9	10	10	11	11	12	12
-87.5°	8	8	8	9	9	10	10	10	10	11	11
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10	10	10	10	10	10	11	11	11	11	11
87.5°	8	7	7	6	6	6	5	5	5	5	5
85°	8	7	7	6	6	6	6	5	5	5	5
82.5°	8	7	7	6	6	6	6	6	6	6	5
80°	8	7	7	7	7	7	7	6	6	6	6
77.5°	8	8	8	8	8	7	7	7	7	7	7
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8	8	9	10	12
70°	9	9	9	8	8	8	10	12	15	17	20
67.5°	9	9	9	9	10	12	14	20	27	30	32
65°	10	9	10	11	13	17	23	32	40	42	41
62.5°	10	10	11	13	17	23	31	40	50	50	44
60°	10	11	13	17	21	28	37	44	51	54	42
57.5°	11	13	17	21	26	31	36	43	46	46	34
55°	13	16	20	26	29	29	32	34	35	32	23
52.5°	15	18	24	29	30	27	25	26	25	21	18
50°	18	22	28	31	29	24	20	20	19	17	16
47.5°	20	26	31	33	27	23	19	18	17	16	15
45°	23	28	34	30	26	24	21	18	18	17	17
42.5°	25	30	33	29	28	26	24	21	19	20	20
40°	27	31	31	31	31	30	28	25	23	25	25
37.5°	27	31	32	36	35	34	33	33	32	31	34
35°	28	32	38	42	41	40	42	43	42	41	47
32.5°	29	34	44	49	50	50	52	55	57	60	70
30°	32	40	52	57	62	68	66	68	75	98	119
27.5°	38	48	60	68	76	90	93	89	111	147	185
25°	45	72	68	80	98	116	126	134	164	217	257
22.5°	59	104	103	94	122	147	171	224	300	324	332
20°	82	136	146	149	159	182	223	347	498	555	494
17.5°	110	171	193	218	247	254	289	495	745	830	830
15°	141	209	243	292	341	372	487	737	1011	1146	1224
12.5°	174	248	295	372	440	494	745	1143	1399	1517	1742
10°	208	288	349	456	542	618	1035	1577	1826	1941	2198
7.5°	242	326	401	541	645	744	1344	2025	2238	2341	2550
5°	275	359	443	606	727	846	1624	2471	2637	2720	2838
2.5°	305	391	483	664	793	911	1746	2667	2849	2973	3074
0°	331	421	520	717	854	971	1835	2829	3021	3169	3291
-2.5°	332	427	532	715	841	961	1750	2792	3080	3303	3485
-5°	329	431	541	708	823	947	1638	2704	3092	3329	3515
-7.5°	323	432	547	695	798	911	1541	2525	2952	3155	3353
-10°	314	429	539	666	762	860	1417	2317	2808	2983	3167
-12.5°	307	424	527	638	725	809	1254	2088	2666	2819	2965
-15°	298	418	514	611	689	757	1051	1846	2528	2699	2812
-17.5°	289	410	500	588	653	705	811	1554	2297	2557	2690
-20°	279	400	485	569	620	669	740	1258	1936	2387	2556



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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°	271	390	471	550	602	646	702	969	1556	2194	2398
-25°	267	374	456	531	589	624	664	727	1205	1811	2221
-27.5°	266	361	440	511	578	605	635	683	928	1418	2002
-30°	262	343	421	491	558	594	613	651	717	1093	1572
-32.5°	250	322	399	469	534	588	603	634	683	791	1179
-35°	235	304	376	445	510	569	603	621	654	705	880
-37.5°	221	283	351	419	482	543	601	617	639	676	742
-40°	204	262	327	392	453	512	569	618	631	668	714
-42.5°	185	241	302	363	420	478	535	590	641	666	702
-45°	164	217	276	330	383	440	496	553	618	677	701
-47.5°	142	191	246	295	344	397	453	513	579	644	712
-50°	118	164	212	258	304	352	404	466	529	595	660
-52.5°	97	136	178	220	262	305	355	411	472	534	593
-55°	74	109	143	183	222	260	303	355	407	465	517
-57.5°	58	82	112	144	180	217	256	297	344	393	436
-60°	45	60	82	109	137	171	209	246	284	319	357
-62.5°	33	45	59	76	100	126	158	192	227	257	284
-65°	30	33	43	55	66	89	113	137	167	193	218
-67.5°	26	29	32	37	48	60	72	93	114	133	151
-70°	24	26	28	31	34	39	50	61	71	84	100
-72.5°	22	24	25	27	29	32	35	39	45	53	62
-75°	20	21	23	24	26	28	30	32	35	37	39
-77.5°	19	19	20	22	23	24	26	27	29	30	32
-80°	17	18	18	19	20	21	22	23	24	24	25
-82.5°	15	15	16	16	17	17	18	18	19	19	19
-85°	13	13	13	14	14	14	14	15	15	15	14
-87.5°	11	11	11	11	12	12	12	12	12	12	12
-90°	8	7	7	6	6	6	5	5	5	5	5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11	11	11	11	11	16	20	24	29	40	50
87.5°	5	4	4	4	3	3	2	2	2	2	2
85°	5	4	4	4	3	3	3	3	3	3	2
82.5°	5	5	4	4	4	4	4	4	3	3	2
80°	5	5	5	5	5	4	4	4	3	3	3
77.5°	7	6	6	6	5	5	5	5	5	4	4
75°	8	8	8	7	7	6	6	6	6	6	6
72.5°	13	13	12	12	11	11	11	10	10	10	10
70°	21	21	21	19	17	15	14	14	13	13	14
67.5°	31	28	26	24	20	18	16	15	13	13	12
65°	37	29	25	22	20	18	16	14	13	11	11
62.5°	35	25	21	18	17	16	13	12	10	9	9
60°	30	21	16	14	13	11	10	9	9	8	9
57.5°	24	17	13	12	11	10	10	9	9	8	9
55°	17	15	13	12	12	11	11	10	10	9	9
52.5°	15	14	14	14	13	12	11	11	11	11	11
50°	15	14	15	14	13	13	13	13	12	12	12
47.5°	15	15	15	14	14	15	14	14	15	15	15
45°	16	17	17	17	17	17	17	17	20	20	19
42.5°	20	22	24	23	21	25	32	34	32	27	25
40°	28	31	32	34	43	49	43	37	35	37	39
37.5°	40	43	54	66	62	50	51	52	51	54	55
35°	58	75	87	83	77	76	79	80	72	76	77
32.5°	93	113	114	109	112	113	120	115	109	112	121
30°	135	155	162	153	136	145	153	151	155	169	184
27.5°	199	212	224	206	172	187	193	187	219	236	270
25°	277	291	301	285	262	250	268	282	321	359	412
22.5°	361	400	411	371	371	370	377	424	476	560	700
20°	459	537	599	558	505	540	585	641	791	1171	1602
17.5°	806	752	866	870	794	877	1036	1239	1869	3807	5077
15°	1372	1314	1243	1247	1322	1485	1809	2937	5721	9856	14131
12.5°	1949	1863	1758	1731	1894	2223	3751	8394	14948	22085	40394
10°	2405	2359	2262	2335	2608	3572	6698	14751	28275	51921	81097
7.5°	2672	2655	2681	2893	3338	5877	12750	24721	47007	82838	135401
5°	2941	2955	3034	3326	3896	7476	17995	34352	68062	120733	202131
2.5°	3238	3252	3358	3725	4377	7726	19244	40486	86297	155319	263217
0°	3581	3504	3536	3870	4544	9011	22208	44397	95509	169685	279736
-2.5°	3702	3538	3508	3790	4381	7985	19838	41285	87723	155453	260844
-5°	3620	3395	3305	3536	4097	7002	16681	37566	77885	132982	221029
-7.5°	3415	3199	3067	3241	3730	5770	12777	28448	56691	98392	157014
-10°	3239	3032	2830	2886	3225	4295	7955	18634	37455	66418	99825
-12.5°	3086	2913	2611	2519	2709	3211	5552	12701	23958	37676	61095
-15°	2929	2787	2485	2340	2408	2652	3286	6100	13118	22330	32418
-17.5°	2754	2657	2475	2261	2169	2267	2570	3439	5830	11571	17861
-20°	2635	2581	2448	2260	2142	2097	2202	2468	3055	5255	7965



REPORT NUMBER: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2487	2465	2375	2321	2235	2137	2045	2128	2322	2622	3559
-25°	2347	2352	2358	2429	2415	2279	2104	1979	2045	2139	2328
-27.5°	2192	2269	2388	2522	2584	2469	2263	2075	2019	1964	2044
-30°	2055	2212	2340	2503	2610	2576	2470	2343	2206	2111	2080
-32.5°	1703	2138	2257	2388	2548	2599	2586	2538	2479	2412	2343
-35°	1324	1807	2204	2280	2384	2535	2653	2662	2654	2629	2611
-37.5°	935	1395	1813	2150	2275	2375	2557	2696	2775	2768	2770
-40°	776	903	1324	1713	2001	2269	2414	2596	2740	2799	2844
-42.5°	749	798	848	1140	1511	1835	2085	2316	2520	2665	2781
-45°	730	763	801	849	901	1192	1515	1815	2011	2207	2412
-47.5°	729	737	764	798	831	878	932	1005	1223	1420	1628
-50°	707	740	749	759	781	807	832	858	883	899	920
-52.5°	643	685	725	756	764	772	780	797	813	827	843
-55°	565	610	654	690	722	752	775	779	784	790	799
-57.5°	481	525	566	604	639	672	696	713	730	745	765
-60°	395	433	471	508	542	575	597	615	630	646	667
-62.5°	310	340	374	407	437	465	488	507	523	539	558
-65°	241	263	288	312	335	361	385	405	421	437	454
-67.5°	172	192	216	238	259	279	300	319	337	355	373
-70°	115	129	147	165	185	203	221	237	253	269	285
-72.5°	71	80	90	102	115	128	141	153	165	180	194
-75°	41	44	52	58	65	71	77	81	85	93	103
-77.5°	34	36	38	40	42	44	47	50	53	60	68
-80°	27	28	29	30	32	34	36	38	40	45	50
-82.5°	20	20	21	21	22	23	25	26	28	32	36
-85°	14	14	15	15	15	16	18	19	20	25	29
-87.5°	11	11	11	11	11	13	14	15	16	21	25
-90°	5	4	4	4	3	3	2	2	2	2	2



REPORT NUMBER: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	61	72	61	50	61	72	61	50	40	29	24
87.5°	2	2	2	2	2	2	2	2	2	2	2
85°	2	2	2	2	2	2	2	2	3	3	3
82.5°	2	2	2	3	2	2	2	2	3	3	4
80°	3	3	3	3	3	3	3	3	3	3	4
77.5°	4	3	3	3	3	3	4	4	4	5	5
75°	5	5	5	5	5	5	5	6	6	6	6
72.5°	10	10	10	10	10	10	10	10	10	10	10
70°	15	16	16	16	16	16	15	14	13	13	14
67.5°	12	11	11	11	11	11	12	12	13	13	15
65°	10	10	10	10	10	10	10	11	11	13	14
62.5°	9	10	10	10	10	10	9	9	9	10	12
60°	9	9	10	10	10	9	9	9	8	9	9
57.5°	9	9	10	10	10	9	9	9	8	9	9
55°	10	10	10	11	10	10	10	9	9	10	10
52.5°	11	11	11	11	11	11	11	11	11	11	11
50°	13	13	13	13	13	13	13	12	12	12	13
47.5°	15	16	16	16	16	16	15	15	15	15	14
45°	19	19	19	19	19	19	19	19	20	20	17
42.5°	26	26	27	27	27	26	26	25	27	32	34
40°	41	41	41	40	41	41	41	39	37	35	37
37.5°	55	56	57	58	57	56	55	55	54	51	52
35°	78	78	78	80	78	78	78	77	76	72	80
32.5°	126	127	123	125	123	127	126	121	112	109	115
30°	194	203	208	214	208	203	194	184	169	155	151
27.5°	295	317	331	339	331	317	295	270	236	219	187
25°	460	494	511	525	511	494	460	412	359	321	282
22.5°	894	1021	1091	1158	1091	1021	894	700	560	476	424
20°	2293	2441	2719	2891	2719	2441	2293	1602	1171	791	641
17.5°	7724	9847	10244	10543	10244	9847	7724	5077	3807	1869	1239
15°	23002	29304	31001	32444	31001	29304	23002	14131	9856	5721	2937
12.5°	55537	72883	82317	89485	82317	72883	55537	40394	22085	14948	8394
10°	116359	150317	176092	191018	176092	150317	116359	81097	51921	28275	14751
7.5°	198155	255711	289356	306482	289356	255711	198155	135401	82838	47007	24721
5°	298873	373172	420128	445947	420128	373172	298873	202131	120733	68062	34352
2.5°	373321	468640	539024	572132	539024	468640	373321	263217	155319	86297	40486
0°	400277	500281	580742	628943	580742	500281	400277	279736	169685	95509	44397
-2.5°	374544	468426	531094	560256	531094	468426	374544	260844	155453	87723	41285
-5°	318497	399664	444699	463762	444699	399664	318497	221029	132982	77885	37566
-7.5°	225968	287883	319535	338313	319535	287883	225968	157014	98392	56691	28448
-10°	142268	177075	207352	221048	207352	177075	142268	99825	66418	37455	18634
-12.5°	82622	104658	122374	129900	122374	104658	82622	61095	37676	23958	12701
-15°	45659	57702	65858	69048	65858	57702	45659	32418	22330	13118	6100
-17.5°	25390	31234	33552	37270	33552	31234	25390	17861	11571	5830	3439
-20°	12439	15469	16440	19063	16440	15469	12439	7965	5255	3055	2468



REPORT NUMBER: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	4832	5547	5706	6950	5706	5547	4832	3559	2622	2322	2128
-25°	2509	2630	2686	2832	2686	2630	2509	2328	2139	2045	1979
-27.5°	2109	2168	2214	2285	2214	2168	2109	2044	1964	2019	2075
-30°	2056	2046	2047	2054	2047	2046	2056	2080	2111	2206	2343
-32.5°	2287	2252	2234	2168	2234	2252	2287	2343	2412	2479	2538
-35°	2599	2596	2599	2568	2599	2596	2599	2611	2629	2654	2662
-37.5°	2771	2776	2782	2773	2782	2776	2771	2770	2768	2775	2696
-40°	2859	2874	2884	2881	2884	2874	2859	2844	2799	2740	2596
-42.5°	2838	2874	2892	2897	2892	2874	2838	2781	2665	2520	2316
-45°	2600	2745	2833	2857	2833	2745	2600	2412	2207	2011	1815
-47.5°	1862	2078	2280	2457	2280	2078	1862	1628	1420	1223	1005
-50°	946	970	1020	1093	1020	970	946	920	899	883	858
-52.5°	858	872	886	899	886	872	858	843	827	813	797
-55°	809	817	824	829	824	817	809	799	790	784	779
-57.5°	783	797	809	819	809	797	783	765	745	730	713
-60°	685	701	715	728	715	701	685	667	646	630	615
-62.5°	575	589	603	616	603	589	575	558	539	523	507
-65°	470	483	495	506	495	483	470	454	437	421	405
-67.5°	389	404	420	434	420	404	389	373	355	337	319
-70°	299	311	322	331	322	311	299	285	269	253	237
-72.5°	207	219	232	245	232	219	207	194	180	165	153
-75°	112	120	128	136	128	120	112	103	93	85	81
-77.5°	75	82	88	93	88	82	75	68	60	53	50
-80°	55	60	65	69	65	60	55	50	45	40	38
-82.5°	40	45	48	51	48	45	40	36	32	28	26
-85°	33	37	40	43	40	37	33	29	25	20	19
-87.5°	29	34	36	38	36	34	29	25	21	16	15
-90°	2	2	2	2	2	2	2	2	2	2	2



REPORT NUMBER: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20	16	11	11	11	11	11	11	11	11	11
87.5°	2	3	3	4	4	4	5	5	5	5	5
85°	3	3	3	4	4	4	5	5	5	5	5
82.5°	4	4	4	4	4	5	5	5	6	6	6
80°	4	4	5	5	5	5	5	6	6	6	6
77.5°	5	5	5	6	6	6	7	7	7	7	7
75°	6	6	7	7	8	8	8	8	8	8	8
72.5°	11	11	11	12	12	13	13	12	10	9	8
70°	14	15	17	19	21	21	21	20	17	15	12
67.5°	16	18	20	24	26	28	31	32	30	27	20
65°	16	18	20	22	25	29	37	41	42	40	32
62.5°	13	16	17	18	21	25	35	44	50	50	40
60°	10	11	13	14	16	21	30	42	54	51	44
57.5°	10	10	11	12	13	17	24	34	46	46	43
55°	11	11	12	12	13	15	17	23	32	35	34
52.5°	11	12	13	14	14	14	15	18	21	25	26
50°	13	13	13	14	15	14	15	16	17	19	20
47.5°	14	15	14	14	15	15	15	15	16	17	18
45°	17	17	17	17	17	17	16	17	17	18	18
42.5°	32	25	21	23	24	22	20	20	20	19	21
40°	43	49	43	34	32	31	28	25	25	23	25
37.5°	51	50	62	66	54	43	40	34	31	32	33
35°	79	76	77	83	87	75	58	47	41	42	43
32.5°	120	113	112	109	114	113	93	70	60	57	55
30°	153	145	136	153	162	155	135	119	98	75	68
27.5°	193	187	172	206	224	212	199	185	147	111	89
25°	268	250	262	285	301	291	277	257	217	164	134
22.5°	377	370	371	371	411	400	361	332	324	300	224
20°	585	540	505	558	599	537	459	494	555	498	347
17.5°	1036	877	794	870	866	752	806	830	830	745	495
15°	1809	1485	1322	1247	1243	1314	1372	1224	1146	1011	737
12.5°	3751	2223	1894	1731	1758	1863	1949	1742	1517	1399	1143
10°	6698	3572	2608	2335	2262	2359	2405	2198	1941	1826	1577
7.5°	12750	5877	3338	2893	2681	2655	2672	2550	2341	2238	2025
5°	17995	7476	3896	3326	3034	2955	2941	2838	2720	2637	2471
2.5°	19244	7726	4377	3725	3358	3252	3238	3074	2973	2849	2667
0°	22208	9011	4544	3870	3536	3504	3581	3291	3169	3021	2829
-2.5°	19838	7985	4381	3790	3508	3538	3702	3485	3303	3080	2792
-5°	16681	7002	4097	3536	3305	3395	3620	3515	3329	3092	2704
-7.5°	12777	5770	3730	3241	3067	3199	3415	3353	3155	2952	2525
-10°	7955	4295	3225	2886	2830	3032	3239	3167	2983	2808	2317
-12.5°	5552	3211	2709	2519	2611	2913	3086	2965	2819	2666	2088
-15°	3286	2652	2408	2340	2485	2787	2929	2812	2699	2528	1846
-17.5°	2570	2267	2169	2261	2475	2657	2754	2690	2557	2297	1554
-20°	2202	2097	2142	2260	2448	2581	2635	2556	2387	1936	1258



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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°	2045	2137	2235	2321	2375	2465	2487	2398	2194	1556	969
-25°	2104	2279	2415	2429	2358	2352	2347	2221	1811	1205	727
-27.5°	2263	2469	2584	2522	2388	2269	2192	2002	1418	928	683
-30°	2470	2576	2610	2503	2340	2212	2055	1572	1093	717	651
-32.5°	2586	2599	2548	2388	2257	2138	1703	1179	791	683	634
-35°	2653	2535	2384	2280	2204	1807	1324	880	705	654	621
-37.5°	2557	2375	2275	2150	1813	1395	935	742	676	639	617
-40°	2414	2269	2001	1713	1324	903	776	714	668	631	618
-42.5°	2085	1835	1511	1140	848	798	749	702	666	641	590
-45°	1515	1192	901	849	801	763	730	701	677	618	553
-47.5°	932	878	831	798	764	737	729	712	644	579	513
-50°	832	807	781	759	749	740	707	660	595	529	466
-52.5°	780	772	764	756	725	685	643	593	534	472	411
-55°	775	752	722	690	654	610	565	517	465	407	355
-57.5°	696	672	639	604	566	525	481	436	393	344	297
-60°	597	575	542	508	471	433	395	357	319	284	246
-62.5°	488	465	437	407	374	340	310	284	257	227	192
-65°	385	361	335	312	288	263	241	218	193	167	137
-67.5°	300	279	259	238	216	192	172	151	133	114	93
-70°	221	203	185	165	147	129	115	100	84	71	61
-72.5°	141	128	115	102	90	80	71	62	53	45	39
-75°	77	71	65	58	52	44	41	39	37	35	32
-77.5°	47	44	42	40	38	36	34	32	30	29	27
-80°	36	34	32	30	29	28	27	25	24	24	23
-82.5°	25	23	22	21	21	20	20	19	19	19	18
-85°	18	16	15	15	15	14	14	14	15	15	15
-87.5°	14	13	11	11	11	11	11	12	12	12	12
-90°	2	3	3	4	4	4	5	5	5	5	5



REPORT NUMBER: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11	10	10	10	10	10	10	10	10	10	10
87.5°	5	6	6	6	7	7	8	8	8	8	8
85°	6	6	6	6	7	7	8	8	8	8	8
82.5°	6	6	6	6	7	7	8	8	8	8	8
80°	7	7	7	7	7	7	8	8	8	8	8
77.5°	7	7	8	8	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8	8	8	8	8
70°	10	8	8	8	9	9	9	9	9	9	8
67.5°	14	12	10	9	9	9	9	9	9	9	9
65°	23	17	13	11	10	9	10	10	10	10	9
62.5°	31	23	17	13	11	10	10	10	10	10	10
60°	37	28	21	17	13	11	10	11	11	11	10
57.5°	36	31	26	21	17	13	11	11	11	11	11
55°	32	29	29	26	20	16	13	12	12	12	11
52.5°	25	27	30	29	24	18	15	13	12	12	12
50°	20	24	29	31	28	22	18	15	13	13	13
47.5°	19	23	27	33	31	26	20	17	14	13	14
45°	21	24	26	30	34	28	23	18	15	14	15
42.5°	24	26	28	29	33	30	25	20	17	15	15
40°	28	30	31	31	31	31	27	22	18	17	17
37.5°	33	34	35	36	32	31	27	23	21	19	18
35°	42	40	41	42	38	32	28	24	23	20	19
32.5°	52	50	50	49	44	34	29	27	25	22	20
30°	66	68	62	57	52	40	32	30	28	24	21
27.5°	93	90	76	68	60	48	38	33	31	26	23
25°	126	116	98	80	68	72	45	37	34	28	24
22.5°	171	147	122	94	103	104	59	43	37	31	26
20°	223	182	159	149	146	136	82	49	40	33	27
17.5°	289	254	247	218	193	171	110	56	43	35	28
15°	487	372	341	292	243	209	141	62	47	38	29
12.5°	745	494	440	372	295	248	174	69	50	39	28
10°	1035	618	542	456	349	288	208	75	52	39	28
7.5°	1344	744	645	541	401	326	242	81	53	39	28
5°	1624	846	727	606	443	359	275	87	54	38	27
2.5°	1746	911	793	664	483	391	305	93	55	38	26
0°	1835	971	854	717	520	421	331	98	56	37	26
-2.5°	1750	961	841	715	532	427	332	113	67	43	28
-5°	1638	947	823	708	541	431	329	127	78	50	31
-7.5°	1541	911	798	695	547	432	323	140	87	55	33
-10°	1417	860	762	666	539	429	314	151	96	60	35
-12.5°	1254	809	725	638	527	424	307	162	104	64	37
-15°	1051	757	689	611	514	418	298	171	112	68	38
-17.5°	811	705	653	588	500	410	289	179	118	73	40
-20°	740	669	620	569	485	400	279	184	123	76	42



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	702	646	602	550	471	390	271	186	127	78	43
-25°	664	624	589	531	456	374	267	187	129	78	43
-27.5°	635	605	578	511	440	361	266	188	129	77	42
-30°	613	594	558	491	421	343	262	188	128	76	40
-32.5°	603	588	534	469	399	322	250	185	124	73	39
-35°	603	569	510	445	376	304	235	180	118	70	38
-37.5°	601	543	482	419	351	283	221	167	110	64	36
-40°	569	512	453	392	327	262	204	151	102	57	33
-42.5°	535	478	420	363	302	241	185	134	89	51	29
-45°	496	440	383	330	276	217	164	115	75	46	27
-47.5°	453	397	344	295	246	191	142	98	61	40	26
-50°	404	352	304	258	212	164	118	80	52	33	25
-52.5°	355	305	262	220	178	136	97	62	43	29	23
-55°	303	260	222	183	143	109	74	52	34	27	22
-57.5°	256	217	180	144	112	82	58	40	30	25	21
-60°	209	171	137	109	82	60	45	32	27	23	20
-62.5°	158	126	100	76	59	45	33	29	25	22	19
-65°	113	89	66	55	43	33	30	26	23	20	18
-67.5°	72	60	48	37	32	29	26	24	21	19	17
-70°	50	39	34	31	28	26	24	22	20	18	16
-72.5°	35	32	29	27	25	24	22	20	19	17	15
-75°	30	28	26	24	23	21	20	19	17	16	14
-77.5°	26	24	23	22	20	19	19	18	16	15	13
-80°	22	21	20	19	18	18	17	16	15	13	12
-82.5°	18	17	17	16	16	15	15	14	13	12	11
-85°	14	14	14	14	13	13	13	12	12	11	11
-87.5°	12	12	12	11	11	11	11	11	11	10	10
-90°	5	6	6	6	7	7	8	8	8	8	8



REPORT NUMBER: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10	9	9	8	8	8	8
87.5°	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8
82.5°	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8
70°	8	9	9	8	8	8	8
67.5°	9	9	9	8	8	8	8
65°	9	9	9	9	8	8	8
62.5°	10	10	10	9	8	8	8
60°	10	10	10	9	8	8	8
57.5°	11	10	10	10	8	8	8
55°	11	11	11	10	8	8	8
52.5°	12	11	11	10	9	8	8
50°	12	12	11	11	9	8	8
47.5°	13	12	12	11	9	8	8
45°	14	13	12	11	9	8	8
42.5°	15	13	12	12	9	8	8
40°	16	14	13	12	9	8	8
37.5°	16	15	13	12	10	8	8
35°	17	15	13	12	10	8	8
32.5°	18	16	14	12	10	8	8
30°	19	17	14	12	10	8	8
27.5°	20	18	14	12	10	8	8
25°	21	18	14	12	10	8	8
22.5°	23	19	14	12	10	8	8
20°	24	19	14	12	10	8	8
17.5°	24	19	14	12	10	8	8
15°	23	18	14	12	10	8	8
12.5°	23	18	14	12	10	8	8
10°	22	18	14	12	10	8	8
7.5°	22	17	14	11	10	8	8
5°	21	17	13	11	10	8	8
2.5°	20	17	13	11	10	8	8
0°	19	16	13	11	10	8	8
-2.5°	20	16	13	11	10	8	8
-5°	21	16	13	11	10	8	8
-7.5°	21	16	13	11	10	8	8
-10°	22	16	13	11	10	8	8
-12.5°	23	16	13	11	10	8	8
-15°	23	16	13	11	10	8	8
-17.5°	23	16	13	11	9	8	8
-20°	23	16	13	11	9	8	8



REPORT NUMBER: P731692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24	16	13	11	9	8	8
-25°	24	16	13	11	9	8	8
-27.5°	24	17	13	11	9	8	8
-30°	23	17	13	11	9	8	8
-32.5°	22	17	13	10	9	8	8
-35°	22	17	13	10	9	8	8
-37.5°	22	16	12	10	9	8	8
-40°	21	16	12	10	9	8	8
-42.5°	21	16	12	10	9	8	8
-45°	20	16	12	10	9	8	8
-47.5°	20	15	12	10	9	8	8
-50°	19	15	12	10	9	8	8
-52.5°	18	14	12	10	9	8	8
-55°	18	14	12	10	9	8	8
-57.5°	17	14	12	10	9	8	8
-60°	16	14	11	10	9	8	8
-62.5°	16	13	11	10	9	8	8
-65°	15	13	11	10	9	8	8
-67.5°	15	13	11	10	9	8	8
-70°	14	12	11	10	9	8	8
-72.5°	13	12	11	10	9	8	8
-75°	13	11	10	10	9	8	8
-77.5°	12	11	10	9	9	8	8
-80°	11	11	10	9	9	8	8
-82.5°	11	10	10	9	8	8	8
-85°	10	10	9	9	8	8	8
-87.5°	10	10	9	9	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

