

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: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731634 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-5S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

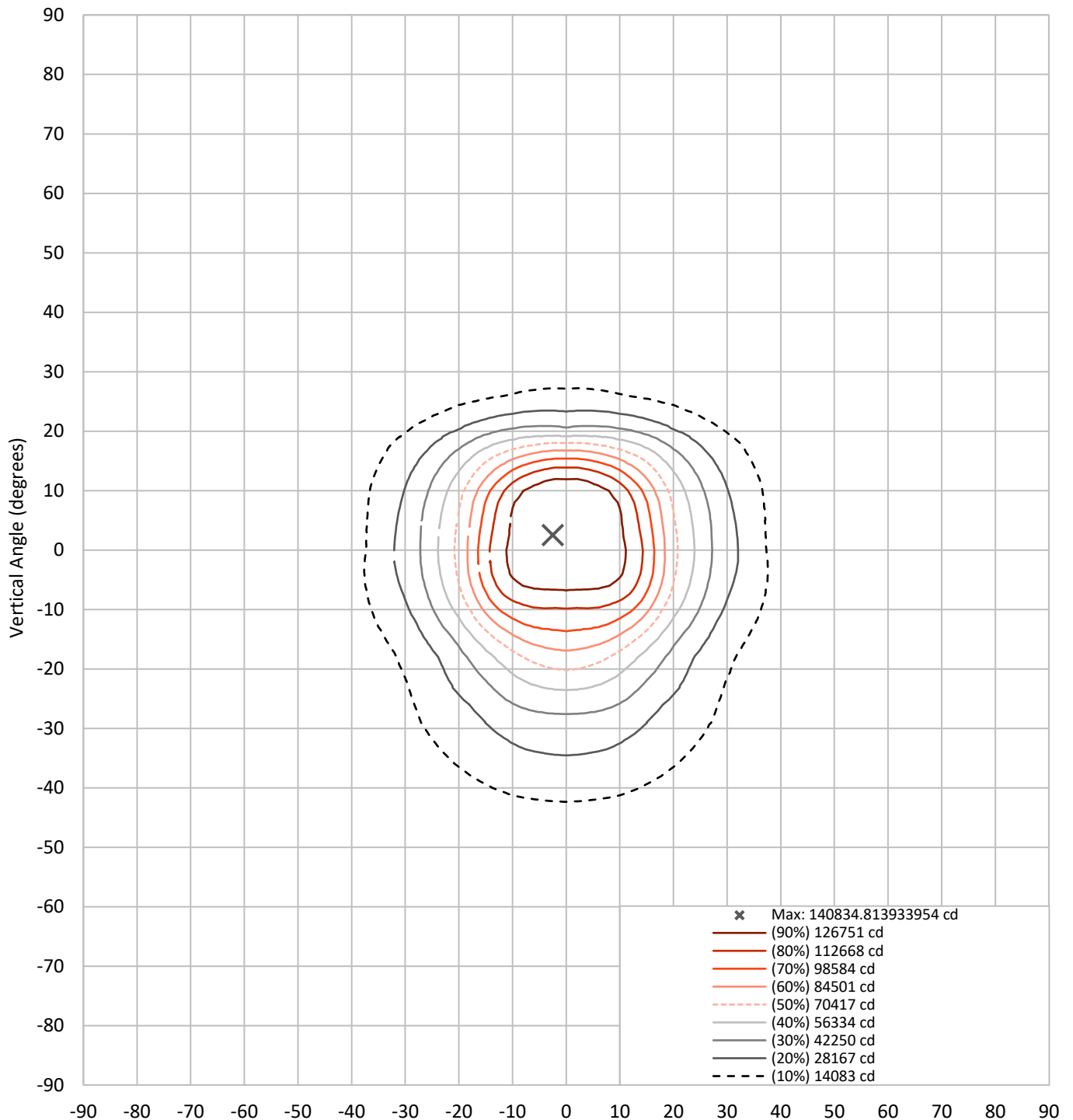
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	75189.5 lumens	Max Intensity:	140834.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	107.8 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:	41429.9 lumens	Field Lumens:	69924.8 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 697.2
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

REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

Iso-Candela Plot





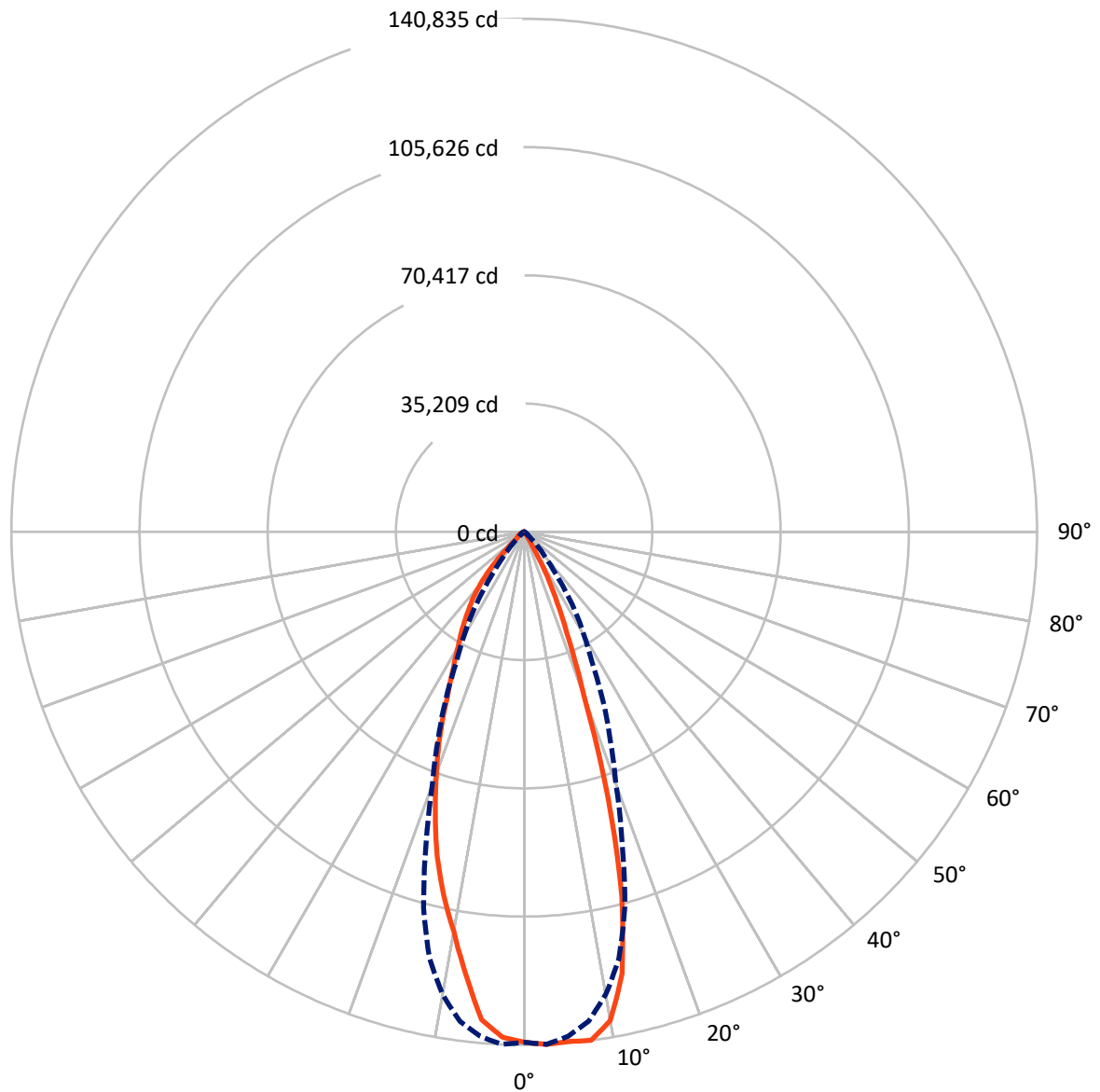
REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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	10.6	25.0	35.8	35.8	25.0	10.6	4.9	2.3	0.8	0.2			
30	0.2	0.4	4.0	15.0	82.0	251.7	506.5	681.4	681.4	506.5	251.7	82.0	15.0	4.0	0.4	0.2		
20		1.1	9.8	54.2	337.8	961.8	1993.9	2871.5	2871.5	1993.9	961.8	337.8	54.2	9.8	1.1			
10	0.2	1.9	13.3	85.5	485.6	1383.6	2989.5	4134.1	4134.1	2989.5	1383.6	485.6	85.5	13.3	1.9	0.2		
0		2.3	14.2	89.4	489.1	1348.9	2946.1	3905.0	3905.0	2946.1	1348.9	489.1	89.4	14.2	2.3			
-10	0.4	2.7	13.7	60.1	321.5	889.8	1892.7	2692.1	2692.1	1892.7	889.8	321.5	60.1	13.7	2.7	0.4		
-20		2.6	12.9	33.4	189.5	544.9	1059.2	1498.0	1498.0	1059.2	544.9	189.5	33.4	12.9	2.6			
-30	0.3	2.1	10.5	24.9	76.2	300.4	586.1	802.1	802.1	586.1	300.4	76.2	24.9	10.5	2.1	0.3		
-40		1.3	6.8	19.5	37.4	69.9	165.6	257.4	257.4	165.6	69.9	37.4	19.5	6.8	1.3			
-50	0.2	0.7	3.4	10.6	23.0	37.4	51.0	59.1	59.1	51.0	37.4	23.0	10.6	3.4	0.7	0.2		
-60		0.3	1.2	3.6	7.9	13.4	19.8	23.3	23.3	19.8	13.4	7.9	3.6	1.2	0.3			
-70	0.2	0.7	3.4	10.6	23.0	37.4	51.0	59.1	59.1	51.0	37.4	23.0	10.6	3.4	0.7	0.2		
-80		0.3	1.2	3.6	7.9	13.4	19.8	23.3	23.3	19.8	13.4	7.9	3.6	1.2	0.3			
-90	0.2		0.7		2.7		6.3		8.4		6.3		2.7		0.7		0.2	

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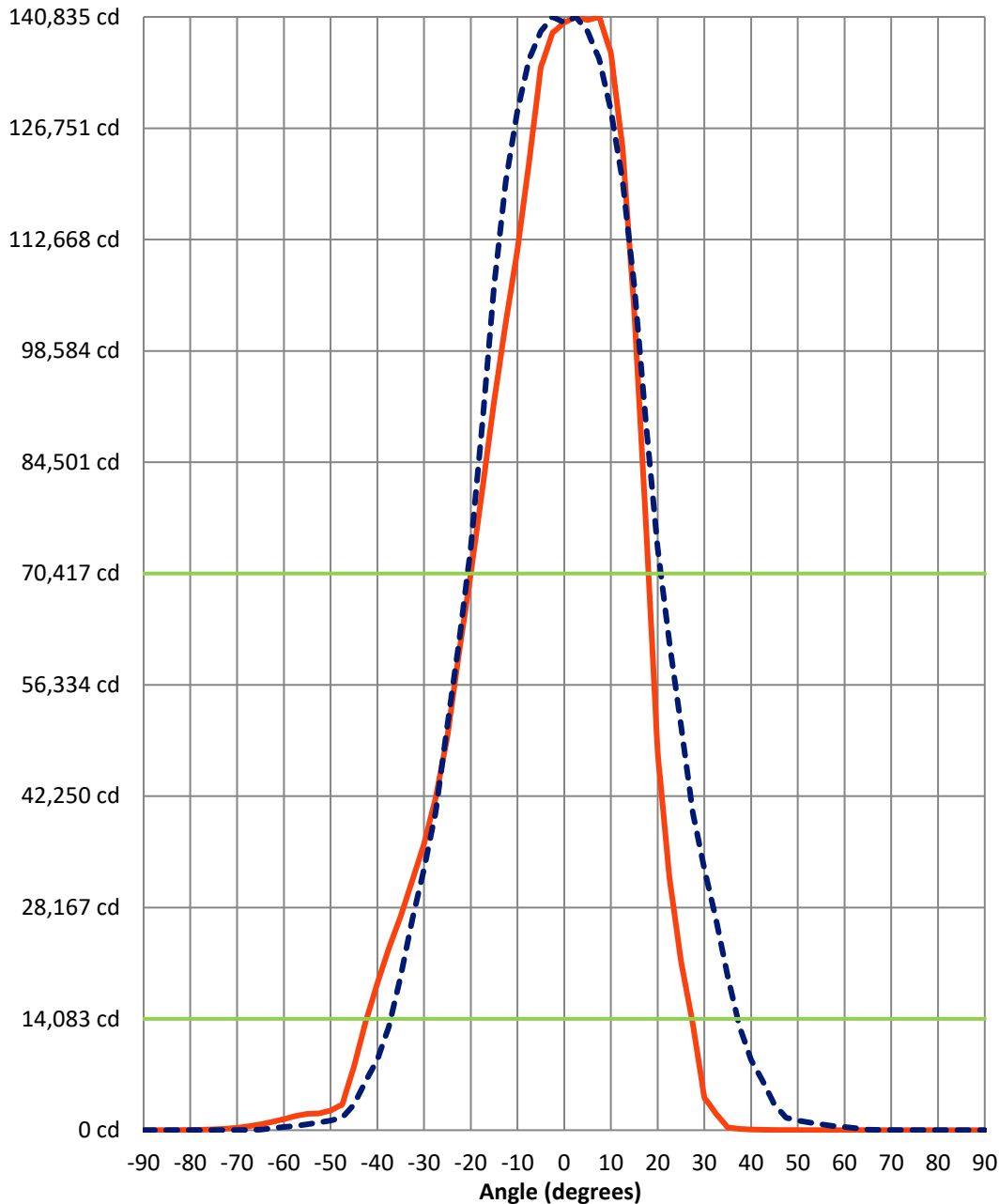
Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 41429.9
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 69924.8
 Efficiency: 93.0%

Spill:
 Lumens: 5264.7
 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	7	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	13
32.5°	6	6	6	6	7	8	8	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	14	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	26
20°	6	6	6	7	8	8	9	11	13	19	31
17.5°	6	6	6	7	8	8	10	11	14	21	36
15°	6	6	6	7	8	8	10	12	15	23	42
12.5°	6	6	6	7	8	8	10	12	15	25	47
10°	6	6	6	7	8	8	10	12	16	28	53
7.5°	6	6	6	8	8	8	10	12	17	30	58
5°	6	6	6	8	8	8	10	12	17	32	63
2.5°	6	6	6	8	8	8	10	12	18	34	67
0°	6	6	6	8	8	8	10	12	18	36	70
-2.5°	6	6	6	8	8	8	11	14	24	47	88
-5°	6	6	6	8	8	9	11	16	30	58	104
-7.5°	6	6	6	8	8	9	12	18	35	67	119
-10°	6	6	6	8	8	9	12	20	40	76	132
-12.5°	6	6	6	8	8	9	12	21	44	83	145
-15°	6	6	7	8	8	9	13	22	48	91	156
-17.5°	6	6	7	8	8	9	13	24	51	96	164
-20°	6	6	7	8	8	9	13	26	54	100	168



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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	28	55	101	169
-25°	6	6	7	8	8	9	15	28	55	101	167
-27.5°	6	6	7	8	8	10	15	28	53	99	166
-30°	6	6	7	8	8	10	15	28	52	97	162
-32.5°	6	6	7	8	8	10	15	27	52	93	155
-35°	6	6	7	8	8	9	15	27	50	87	144
-37.5°	6	6	7	8	8	9	14	26	47	80	131
-40°	6	6	7	8	8	9	14	24	43	74	118
-42.5°	6	6	7	8	8	9	13	22	39	67	104
-45°	6	6	7	8	8	9	12	20	36	59	89
-47.5°	6	6	7	8	8	9	11	18	32	51	79
-50°	6	6	6	8	8	9	11	16	27	45	68
-52.5°	6	6	6	8	8	9	10	14	23	38	57
-55°	6	6	6	8	8	9	10	12	20	31	48
-57.5°	6	6	6	7	8	9	10	12	16	26	39
-60°	6	6	6	7	8	9	10	11	13	21	31
-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	8	8	9	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	9	10	11	12
-75°	6	6	6	6	7	8	8	8	9	10	11
-77.5°	6	6	6	6	7	8	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



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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	12	14	16	17
65°	6	6	6	7	8	10	12	16	21	24	26
62.5°	6	6	7	8	9	11	16	23	30	34	34
60°	6	6	8	9	11	15	22	30	39	46	41
57.5°	6	7	9	11	14	19	26	35	45	55	48
55°	7	9	11	13	17	20	27	36	47	53	47
52.5°	8	10	12	15	19	21	25	34	40	45	42
50°	10	11	13	17	20	21	21	27	33	35	36
47.5°	11	12	14	18	20	21	19	22	26	29	28
45°	11	13	16	19	21	20	20	19	24	26	26
42.5°	12	15	18	20	21	22	23	23	25	30	33
40°	13	16	20	22	23	26	30	32	34	41	46
37.5°	14	19	24	27	28	34	39	57	61	56	73
35°	16	22	30	38	43	45	69	93	104	102	116
32.5°	18	25	38	57	76	81	107	148	185	199	190
30°	21	32	51	81	124	172	179	225	299	359	449
27.5°	26	42	74	125	195	292	316	355	465	616	906
25°	32	67	100	184	312	427	471	546	673	1161	1828
22.5°	46	100	154	252	450	568	649	774	1076	1855	3154
20°	70	146	222	338	595	716	826	1015	1690	3139	5250
17.5°	98	196	293	441	673	839	1008	1263	2335	4637	7441
15°	129	248	360	530	742	921	1156	1743	3359	6346	9454
12.5°	163	302	422	606	806	997	1278	2154	4426	7900	11522
10°	197	357	480	671	864	1067	1388	2529	5178	8482	12513
7.5°	219	391	527	724	917	1132	1485	2860	5711	8776	12921
5°	235	400	531	740	950	1183	1561	3138	6042	8818	13047
2.5°	247	404	532	745	971	1218	1587	3230	6193	8899	13134
0°	256	403	530	743	984	1244	1596	3247	6197	8951	13166
-2.5°	269	417	556	774	1000	1250	1610	3339	6497	9514	14160
-5°	279	428	579	798	1009	1247	1607	3344	6535	9645	14200
-7.5°	285	435	596	813	1001	1216	1552	3073	5960	9053	13235
-10°	289	444	608	804	971	1164	1474	2739	5272	8293	12069
-12.5°	295	455	616	795	944	1107	1383	2351	4491	7362	10718
-15°	297	462	620	785	920	1046	1278	1915	3709	6546	9381
-17.5°	295	465	620	777	904	982	1170	1539	3125	5753	8369
-20°	287	465	616	772	893	961	1135	1457	2624	4825	7413



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	275	461	610	764	892	980	1105	1353	1995	3752	6422
-25°	267	443	601	743	886	1001	1072	1243	1601	2933	5087
-27.5°	263	420	573	713	871	1013	1078	1203	1456	2034	3681
-30°	254	381	540	675	834	989	1102	1161	1325	1662	2630
-32.5°	236	341	495	634	784	954	1107	1165	1270	1464	1827
-35°	216	315	447	586	724	896	1057	1181	1227	1368	1621
-37.5°	198	285	397	532	666	824	1002	1146	1241	1303	1490
-40°	177	251	356	478	607	752	916	1084	1220	1336	1415
-42.5°	154	225	314	423	548	682	824	991	1164	1330	1451
-45°	136	195	270	372	485	609	742	883	1064	1251	1420
-47.5°	116	166	234	316	421	534	656	788	938	1118	1312
-50°	97	142	194	268	355	458	569	685	817	967	1138
-52.5°	84	116	163	219	294	382	479	582	695	818	958
-55°	70	97	131	178	234	309	389	480	573	680	789
-57.5°	58	80	107	141	186	238	307	379	462	548	635
-60°	46	64	86	112	142	185	229	289	355	420	493
-62.5°	35	49	66	87	112	136	171	212	256	310	363
-65°	27	36	49	65	83	104	126	148	183	218	251
-67.5°	20	27	35	44	59	74	90	109	128	147	168
-70°	16	19	25	32	39	47	60	73	87	101	116
-72.5°	14	16	19	21	27	32	37	42	51	62	73
-75°	12	13	15	17	19	22	24	28	33	37	41
-77.5°	11	11	12	13	15	17	18	20	22	24	25
-80°	10	10	11	11	12	13	14	15	16	17	19
-82.5°	9	9	9	10	10	10	10	11	11	12	13
-85°	8	8	8	8	9	9	9	9	9	9	9
-87.5°	7	7	7	7	7	7	7	7	8	8	8
-90°	4	4	4	4	4	4	4	4	4	4	4



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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	8	8	8	7	7	6	6	6	6
70°	12	12	12	12	11	10	10	9	8	8	8
67.5°	18	18	18	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	9
57.5°	36	26	17	15	13	11	10	10	9	8	9
55°	35	24	15	13	13	12	12	11	10	9	10
52.5°	30	22	16	14	13	13	12	12	12	11	12
50°	27	20	16	14	14	14	14	14	14	15	15
47.5°	24	19	18	16	16	18	18	18	19	19	19
45°	24	26	25	24	23	32	32	27	32	31	28
42.5°	35	37	38	47	63	62	61	69	63	55	50
40°	54	54	64	79	78	75	85	87	86	90	89
37.5°	86	87	92	100	116	109	130	144	147	166	181
35°	143	168	146	198	232	225	257	314	260	398	423
32.5°	268	324	366	426	503	617	625	1029	1110	1348	1674
30°	462	622	930	1011	1135	1607	2166	2864	3514	3978	4589
27.5°	1113	1377	2041	2761	2719	3602	5599	6214	7901	8462	9886
25°	2489	3123	4728	6159	6888	9213	11849	13038	15260	16441	18184
22.5°	4867	6606	8735	10932	13670	17231	20489	22867	25859	28261	29683
20°	7877	10283	13563	16976	21210	25888	29289	34107	38607	42880	44807
17.5°	10744	14764	18731	22851	28406	34525	40067	47114	54576	60314	64991
15°	13172	17646	23370	28294	34652	42282	50522	59531	70262	78417	87200
12.5°	15415	19901	26111	31991	40553	49171	58786	69980	82384	94449	105766
10°	16858	22028	28684	35827	44597	54604	65542	78083	93979	107771	120521
7.5°	17731	23969	30860	38477	47866	58164	69683	84466	101168	115575	127029
5°	18590	25559	32265	39755	49993	60472	71708	86537	103764	118185	128470
2.5°	19452	26653	33037	40263	51201	61777	73673	89472	106787	120031	128966
0°	20239	27043	33314	40391	51727	62347	74458	90059	109375	122113	130764
-2.5°	20524	27022	33014	40030	51288	61567	73621	90433	108460	121421	130205
-5°	19656	25553	31384	38491	48956	59566	71701	88371	105483	118901	127277
-7.5°	18023	23351	29087	36129	45638	55890	66937	81499	98345	110845	117442
-10°	16315	20884	26303	32821	41200	50936	60093	72484	88054	99136	105887
-12.5°	14361	18070	23071	28768	36247	44735	53110	63590	75482	86880	93909
-15°	12310	15295	19640	25107	31014	37363	45107	53597	63078	72317	80325
-17.5°	10669	12972	16959	21872	26376	31527	39076	45977	52916	60367	67038
-20°	9613	11775	14996	19098	23566	28758	34591	40627	47078	52799	58678



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8771	10993	13478	16896	21652	26422	30910	35529	40880	46724	51649
-25°	7676	10006	12367	15619	19623	23839	27143	30432	35260	40230	44302
-27.5°	6154	8788	11545	14192	17605	20603	23507	26487	30698	34892	37935
-30°	4391	7434	10297	13001	15345	17706	20134	23185	26705	30080	32666
-32.5°	3213	5493	8589	11350	13643	15619	17484	20199	22953	25659	28131
-35°	2050	3717	6130	8940	11632	13731	15758	17726	19795	22102	24241
-37.5°	1765	2213	3696	5793	8373	11115	13108	15067	17179	18912	20711
-40°	1600	1834	2209	2953	4902	6836	9076	11170	13190	14969	16612
-42.5°	1528	1668	1819	2102	2416	3344	4976	6501	8299	10084	11644
-45°	1564	1612	1690	1828	1957	2218	2493	2781	4009	5297	6400
-47.5°	1464	1604	1679	1740	1806	1919	2037	2197	2474	2755	2977
-50°	1298	1447	1579	1708	1771	1816	1865	1958	2087	2219	2316
-52.5°	1091	1236	1380	1511	1618	1722	1824	1900	1968	2034	2066
-55°	906	1027	1143	1261	1378	1488	1602	1717	1823	1922	1971
-57.5°	733	834	934	1024	1117	1211	1316	1428	1538	1642	1695
-60°	568	645	727	801	870	934	1025	1116	1204	1279	1319
-62.5°	415	475	537	596	651	706	774	840	904	956	986
-65°	288	333	374	415	454	501	552	602	649	684	704
-67.5°	196	223	246	268	296	329	365	399	431	454	469
-70°	131	146	159	173	191	209	229	248	267	280	288
-72.5°	83	92	101	111	121	130	140	149	157	164	171
-75°	46	50	57	64	70	76	82	88	93	96	98
-77.5°	28	31	34	36	39	42	45	48	51	53	55
-80°	20	21	22	23	24	25	26	27	27	28	29
-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



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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	9	9	10	11
57.5°	9	10	10	10	10	10	9	9	8	9	10
55°	10	10	10	10	10	10	10	10	9	10	11
52.5°	12	12	12	12	12	12	12	12	11	12	12
50°	15	14	14	14	14	14	15	15	15	14	14
47.5°	18	18	18	18	18	18	18	19	19	19	18
45°	28	27	26	26	26	27	28	28	31	32	27
42.5°	53	55	57	60	57	55	53	50	55	63	69
40°	90	87	84	85	84	87	90	89	90	86	87
37.5°	187	180	166	157	166	180	187	181	166	147	144
35°	384	375	353	346	353	375	384	423	398	260	314
32.5°	1807	2014	2079	2082	2079	2014	1807	1674	1348	1110	1029
30°	4636	4586	4138	3678	4138	4586	4636	4589	3978	3514	2864
27.5°	11158	12521	13505	13187	13505	12521	11158	9886	8462	7901	6214
25°	20096	21061	21377	20907	21377	21061	20096	18184	16441	15260	13038
22.5°	31550	32130	32079	31022	32079	32130	31550	29683	28261	25859	22867
20°	47512	47420	47895	45742	47895	47420	47512	44807	42880	38607	34107
17.5°	70088	73796	76619	76349	76619	73796	70088	64991	60314	54576	47114
15°	94070	99673	103502	103751	103502	99673	94070	87200	78417	70262	59531
12.5°	114916	120908	124160	123666	124160	120908	114916	105766	94449	82384	69980
10°	128196	132808	136231	137081	136231	132808	128196	120521	107771	93979	78083
7.5°	133521	137838	140821	140776	140821	137838	133521	127029	115575	101168	84466
5°	134507	138757	140445	140765	140445	138757	134507	128470	118185	103764	86537
2.5°	135476	138999	140835	140137	140835	138999	135476	128966	120031	106787	89472
0°	135855	138680	140114	139670	140114	138680	135855	130764	122113	109375	90059
-2.5°	135725	137583	138797	138378	138797	137583	135725	130205	121421	108460	90433
-5°	132252	133852	134418	134728	134418	133852	132252	127277	118901	105483	88371
-7.5°	121090	123194	122517	123537	122517	123194	121090	117442	110845	98345	81499
-10°	110049	112095	111393	112051	111393	112095	110049	105887	99136	88054	72484
-12.5°	99637	102211	102173	103106	102173	102211	99637	93909	86880	75482	63590
-15°	87119	90397	92183	93328	92183	90397	87119	80325	72317	63078	53597
-17.5°	73895	78112	81115	81577	81115	78112	73895	67038	60367	52916	45977
-20°	63729	67530	70358	71270	70358	67530	63729	58678	52799	47078	40627



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	55213	58350	60394	60898	60394	58350	55213	51649	46724	40880	35529
-25°	46969	48723	49796	50201	49796	48723	46969	44302	40230	35260	30432
-27.5°	40260	41511	42046	42257	42046	41511	40260	37935	34892	30698	26487
-30°	34643	35604	36192	36411	36192	35604	34643	32666	30080	26705	23185
-32.5°	30020	30976	31596	31819	31596	30976	30020	28131	25659	22953	20199
-35°	25691	26481	27046	27309	27046	26481	25691	24241	22102	19795	17726
-37.5°	21864	22578	23048	23194	23048	22578	21864	20711	18912	17179	15067
-40°	17538	18181	18539	18522	18539	18181	17538	16612	14969	13190	11170
-42.5°	12565	13215	13675	14020	13675	13215	12565	11644	10084	8299	6501
-45°	7139	7673	8016	8178	8016	7673	7139	6400	5297	4009	2781
-47.5°	3109	3206	3255	3255	3255	3206	3109	2977	2755	2474	2197
-50°	2387	2448	2483	2492	2483	2448	2387	2316	2219	2087	1958
-52.5°	2088	2110	2119	2120	2119	2110	2088	2066	2034	1968	1900
-55°	2012	2048	2062	2060	2062	2048	2012	1971	1922	1823	1717
-57.5°	1740	1775	1795	1802	1795	1775	1740	1695	1642	1538	1428
-60°	1350	1372	1391	1403	1391	1372	1350	1319	1279	1204	1116
-62.5°	1010	1029	1046	1059	1046	1029	1010	986	956	904	840
-65°	719	728	742	755	742	728	719	704	684	649	602
-67.5°	481	490	496	497	496	490	481	469	454	431	399
-70°	293	297	303	308	303	297	293	288	280	267	248
-72.5°	177	183	183	181	183	183	177	171	164	157	149
-75°	100	102	102	103	102	102	100	98	96	93	88
-77.5°	57	58	57	56	57	58	57	55	53	51	48
-80°	29	30	30	30	30	30	29	29	28	27	27
-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



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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	8	8	8	8	8	8	8
70°	10	10	11	12	12	12	12	11	10	10	9
67.5°	11	12	14	16	18	18	18	17	16	14	12
65°	13	14	16	18	20	22	25	26	24	21	16
62.5°	14	16	17	18	20	24	30	34	34	30	23
60°	12	14	16	17	19	25	34	41	46	39	30
57.5°	10	11	13	15	17	26	36	48	55	45	35
55°	12	12	13	13	15	24	35	47	53	47	36
52.5°	12	13	13	14	16	22	30	42	45	40	34
50°	14	14	14	14	16	20	27	36	35	33	27
47.5°	18	18	16	16	18	19	24	28	29	26	22
45°	32	32	23	24	25	26	24	26	26	24	19
42.5°	61	62	63	47	38	37	35	33	30	25	23
40°	85	75	78	79	64	54	54	46	41	34	32
37.5°	130	109	116	100	92	87	86	73	56	61	57
35°	257	225	232	198	146	168	143	116	102	104	93
32.5°	625	617	503	426	366	324	268	190	199	185	148
30°	2166	1607	1135	1011	930	622	462	449	359	299	225
27.5°	5599	3602	2719	2761	2041	1377	1113	906	616	465	355
25°	11849	9213	6888	6159	4728	3123	2489	1828	1161	673	546
22.5°	20489	17231	13670	10932	8735	6606	4867	3154	1855	1076	774
20°	29289	25888	21210	16976	13563	10283	7877	5250	3139	1690	1015
17.5°	40067	34525	28406	22851	18731	14764	10744	7441	4637	2335	1263
15°	50522	42282	34652	28294	23370	17646	13172	9454	6346	3359	1743
12.5°	58786	49171	40553	31991	26111	19901	15415	11522	7900	4426	2154
10°	65542	54604	44597	35827	28684	22028	16858	12513	8482	5178	2529
7.5°	69683	58164	47866	38477	30860	23969	17731	12921	8776	5711	2860
5°	71708	60472	49993	39755	32265	25559	18590	13047	8818	6042	3138
2.5°	73673	61777	51201	40263	33037	26653	19452	13134	8899	6193	3230
0°	74458	62347	51727	40391	33314	27043	20239	13166	8951	6197	3247
-2.5°	73621	61567	51288	40030	33014	27022	20524	14160	9514	6497	3339
-5°	71701	59566	48956	38491	31384	25553	19656	14200	9645	6535	3344
-7.5°	66937	55890	45638	36129	29087	23351	18023	13235	9053	5960	3073
-10°	60093	50936	41200	32821	26303	20884	16315	12069	8293	5272	2739
-12.5°	53110	44735	36247	28768	23071	18070	14361	10718	7362	4491	2351
-15°	45107	37363	31014	25107	19640	15295	12310	9381	6546	3709	1915
-17.5°	39076	31527	26376	21872	16959	12972	10669	8369	5753	3125	1539
-20°	34591	28758	23566	19098	14996	11775	9613	7413	4825	2624	1457



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	30910	26422	21652	16896	13478	10993	8771	6422	3752	1995	1353
-25°	27143	23839	19623	15619	12367	10006	7676	5087	2933	1601	1243
-27.5°	23507	20603	17605	14192	11545	8788	6154	3681	2034	1456	1203
-30°	20134	17706	15345	13001	10297	7434	4391	2630	1662	1325	1161
-32.5°	17484	15619	13643	11350	8589	5493	3213	1827	1464	1270	1165
-35°	15758	13731	11632	8940	6130	3717	2050	1621	1368	1227	1181
-37.5°	13108	11115	8373	5793	3696	2213	1765	1490	1303	1241	1146
-40°	9076	6836	4902	2953	2209	1834	1600	1415	1336	1220	1084
-42.5°	4976	3344	2416	2102	1819	1668	1528	1451	1330	1164	991
-45°	2493	2218	1957	1828	1690	1612	1564	1420	1251	1064	883
-47.5°	2037	1919	1806	1740	1679	1604	1464	1312	1118	938	788
-50°	1865	1816	1771	1708	1579	1447	1298	1138	967	817	685
-52.5°	1824	1722	1618	1511	1380	1236	1091	958	818	695	582
-55°	1602	1488	1378	1261	1143	1027	906	789	680	573	480
-57.5°	1316	1211	1117	1024	934	834	733	635	548	462	379
-60°	1025	934	870	801	727	645	568	493	420	355	289
-62.5°	774	706	651	596	537	475	415	363	310	256	212
-65°	552	501	454	415	374	333	288	251	218	183	148
-67.5°	365	329	296	268	246	223	196	168	147	128	109
-70°	229	209	191	173	159	146	131	116	101	87	73
-72.5°	140	130	121	111	101	92	83	73	62	51	42
-75°	82	76	70	64	57	50	46	41	37	33	28
-77.5°	45	42	39	36	34	31	28	25	24	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	8	7
-90°	3	4	4	4	4	4	4	4	4	4	4



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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	10	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°	26	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	7
42.5°	23	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	28	27	24	19	14	12	10	9	8
35°	69	45	43	38	30	22	16	13	11	10	8
32.5°	107	81	76	57	38	25	18	14	12	10	9
30°	179	172	124	81	51	32	21	16	13	11	9
27.5°	316	292	195	125	74	42	26	18	14	11	10
25°	471	427	312	184	100	67	32	21	15	12	10
22.5°	649	568	450	252	154	100	46	26	17	13	11
20°	826	716	595	338	222	146	70	31	19	13	11
17.5°	1008	839	673	441	293	196	98	36	21	14	11
15°	1156	921	742	530	360	248	129	42	23	15	12
12.5°	1278	997	806	606	422	302	163	47	25	15	12
10°	1388	1067	864	671	480	357	197	53	28	16	12
7.5°	1485	1132	917	724	527	391	219	58	30	17	12
5°	1561	1183	950	740	531	400	235	63	32	17	12
2.5°	1587	1218	971	745	532	404	247	67	34	18	12
0°	1596	1244	984	743	530	403	256	70	36	18	12
-2.5°	1610	1250	1000	774	556	417	269	88	47	24	14
-5°	1607	1247	1009	798	579	428	279	104	58	30	16
-7.5°	1552	1216	1001	813	596	435	285	119	67	35	18
-10°	1474	1164	971	804	608	444	289	132	76	40	20
-12.5°	1383	1107	944	795	616	455	295	145	83	44	21
-15°	1278	1046	920	785	620	462	297	156	91	48	22
-17.5°	1170	982	904	777	620	465	295	164	96	51	24
-20°	1135	961	893	772	616	465	287	168	100	54	26



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1105	980	892	764	610	461	275	169	101	55	28
-25°	1072	1001	886	743	601	443	267	167	101	55	28
-27.5°	1078	1013	871	713	573	420	263	166	99	53	28
-30°	1102	989	834	675	540	381	254	162	97	52	28
-32.5°	1107	954	784	634	495	341	236	155	93	52	27
-35°	1057	896	724	586	447	315	216	144	87	50	27
-37.5°	1002	824	666	532	397	285	198	131	80	47	26
-40°	916	752	607	478	356	251	177	118	74	43	24
-42.5°	824	682	548	423	314	225	154	104	67	39	22
-45°	742	609	485	372	270	195	136	89	59	36	20
-47.5°	656	534	421	316	234	166	116	79	51	32	18
-50°	569	458	355	268	194	142	97	68	45	27	16
-52.5°	479	382	294	219	163	116	84	57	38	23	14
-55°	389	309	234	178	131	97	70	48	31	20	12
-57.5°	307	238	186	141	107	80	58	39	26	16	12
-60°	229	185	142	112	86	64	46	31	21	13	11
-62.5°	171	136	112	87	66	49	35	25	16	13	11
-65°	126	104	83	65	49	36	27	19	14	12	10
-67.5°	90	74	59	44	35	27	20	16	13	11	10
-70°	60	47	39	32	25	19	16	14	11	10	9
-72.5°	37	32	27	21	19	16	14	12	11	10	9
-75°	24	22	19	17	15	13	12	11	10	9	8
-77.5°	18	17	15	13	12	11	11	10	9	9	8
-80°	14	13	12	11	11	10	10	9	9	8	8
-82.5°	10	10	10	10	9	9	9	9	8	8	8
-85°	9	9	9	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: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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°	8	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°	10	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	9	8	8	6	6	6
-7.5°	12	9	8	8	6	6	6
-10°	12	9	8	8	6	6	6
-12.5°	12	9	8	8	6	6	6
-15°	13	9	8	8	7	6	6
-17.5°	13	9	8	8	7	6	6
-20°	13	9	8	8	7	6	6



REPORT NUMBER: P731634 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV1

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°	11	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°	9	8	8	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	8	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

