

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: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-3S-CV5**

Issue Date: 11/16/2023

Test Information

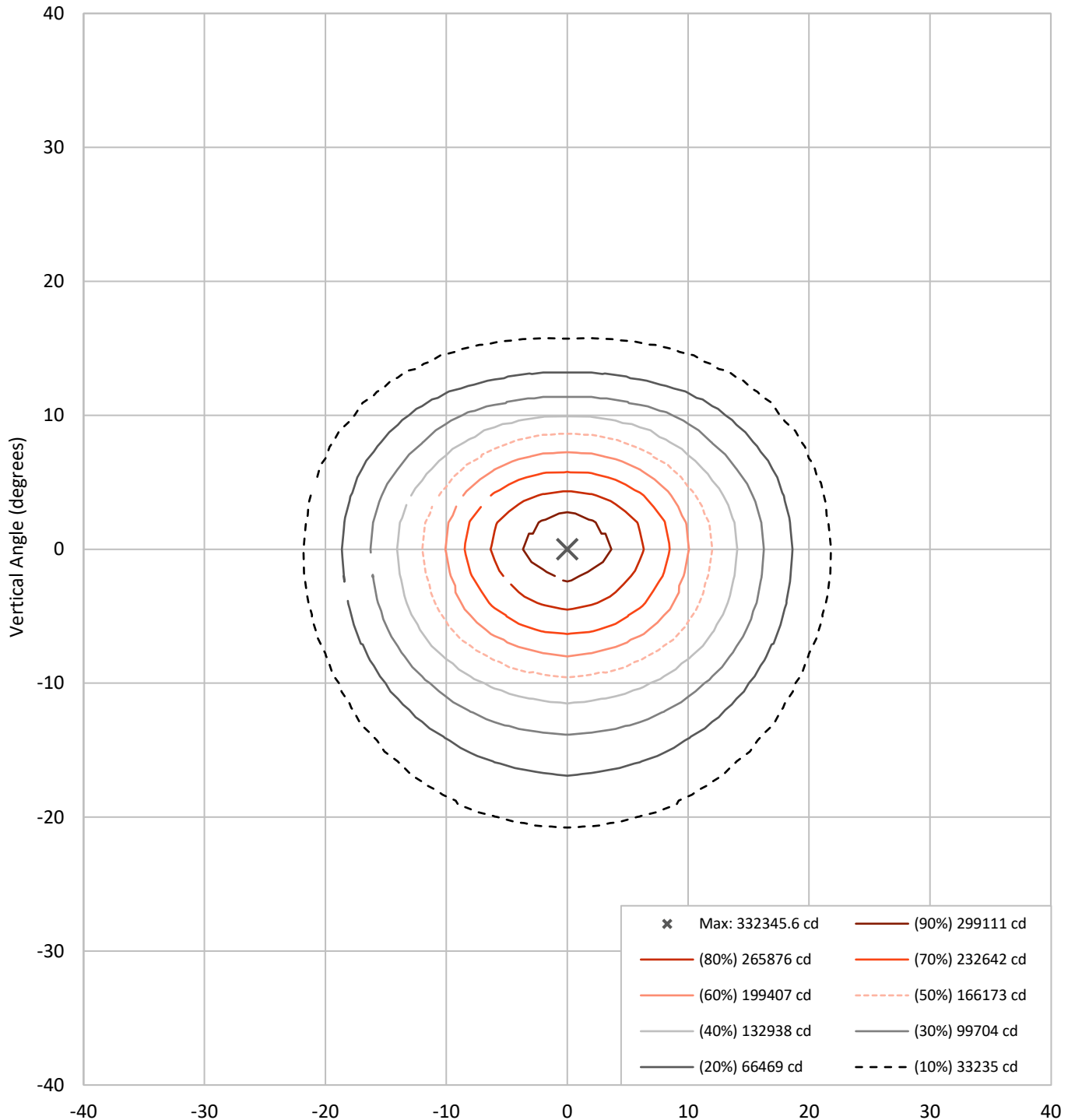
Test Method: LM-79-08
Report Number: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-3S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S 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:	55560 lumens	Max Intensity:	332345.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	99.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	23767.2 lumens	Field Lumens:	47481.5 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%
Input Watts (W):	559.9		
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





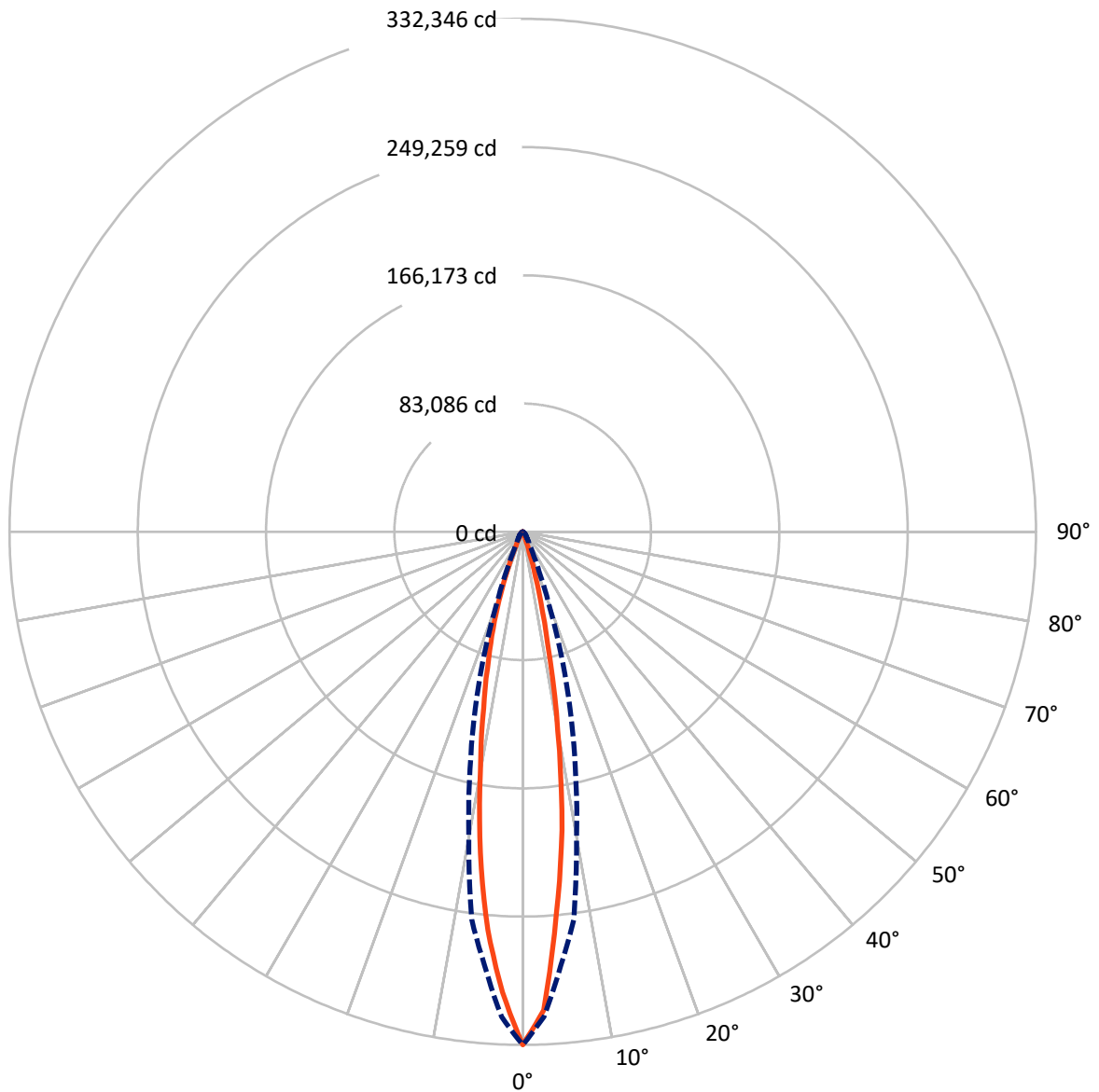
REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.1	0.4	0.7	0.7	0.8	0.7	0.7	0.4	0.1										
80	0.1	0.4	0.7	0.7	0.8	0.7	0.7	0.4	0.1										
70	0.2	0.1	0.2	0.6	0.7	0.4	0.3	0.2	0.2	0.3	0.4	0.7	0.6	0.2	0.1	0.2			
60		0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1				
50	0.2	0.2	0.4	0.3	0.3	0.4	0.5	0.4	0.4	0.5	0.4	0.3	0.3	0.4	0.2	0.2			
40		0.2	0.6	0.8	1.5	2.2	2.7	3.6	3.6	2.7	2.2	1.5	0.8	0.6	0.2				
30	0.2	0.4	1.6	3.9	7.3	11.2	25.2	50.8	50.8	25.2	11.2	7.3	3.9	1.6	0.4	0.2			
20		1.1	5.7	18.2	40.0	107.3	595.2	1361.9	1361.9	595.2	107.3	40.0	18.2	5.7	1.1				
10	0.4	2.0	12.0	43.2	100.8	443.1	2779.4	6487.7	6487.7	2779.4	443.1	100.8	43.2	12.0	2.0	0.4			
0		2.7	14.3	50.6	113.0	472.3	2964.4	6682.2	6682.2	2964.4	472.3	113.0	50.6	14.3	2.7				
-10	0.6	2.9	12.3	38.4	80.2	203.6	1076.3	2422.3	2422.3	1076.3	203.6	80.2	38.4	12.3	2.9	0.6			
-20		2.8	9.9	24.1	56.7	96.0	208.4	419.1	419.1	208.4	96.0	56.7	24.1	9.9	2.8				
-30	0.5	2.5	7.9	16.8	36.7	66.2	90.0	105.0	105.0	90.0	66.2	36.7	16.8	7.9	2.5	0.5			
-40		1.8	5.9	12.8	22.8	37.2	56.9	71.6	71.6	56.9	37.2	22.8	12.8	5.9	1.8				
-50	0.2	0.8	3.5	8.1	14.5	21.3	27.0	30.3	30.3	27.0	21.3	14.5	8.1	3.5	0.8	0.2			
-60		0.3	1.2	3.5	6.5	10.0	13.5	15.5	15.5	13.5	10.0	6.5	3.5	1.2	0.3				
-70	0.2	0.3	1.2	3.5	6.5	10.0	13.5	15.5	15.5	13.5	10.0	6.5	3.5	1.2	0.3	0.2			
-80		0.2	0.8	2.7	7.2	11.1	7.2	2.7	0.8	0.2									
-90	0.2	0.8	2.7	7.2	11.1	7.2	2.7	0.8	0.2										

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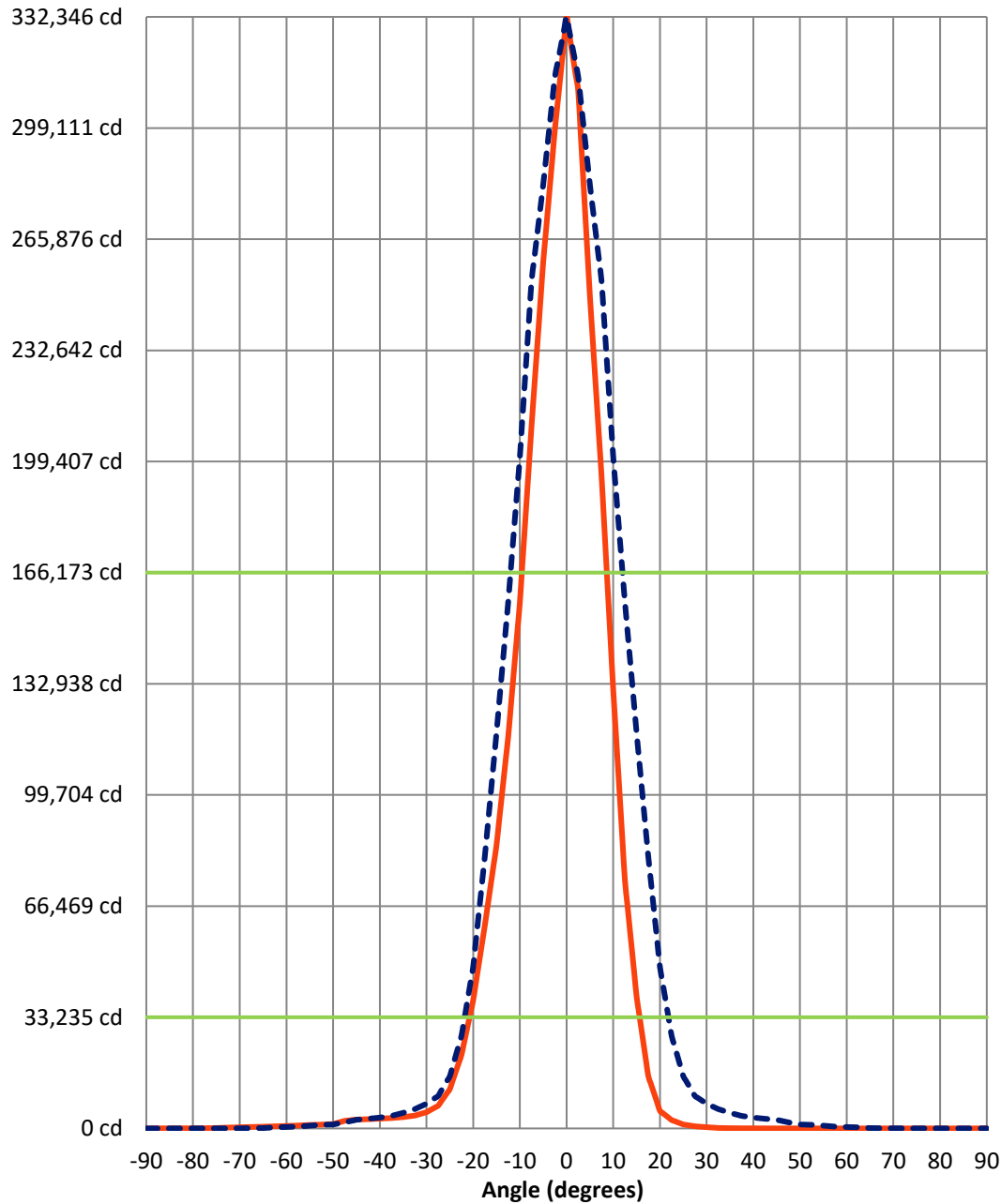
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24°
V Angle: 18.2°
Lumens: 23767.2
Efficiency: 42.8%

Field:
H Angle: 43.7°
V Angle: 36.4°
Lumens: 47481.5
Efficiency: 85.5%

Spill:
Lumens: 8078.5
Efficiency: 14.5%

- 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°	7	7	7	7	7	7	7	7	7	7	7
87.5°	7	7	7	7	7	7	7	7	7	7	7
85°	7	7	7	7	7	7	7	7	7	7	7
82.5°	7	7	7	7	7	7	7	7	7	7	7
80°	7	7	7	7	7	7	7	7	7	7	7
77.5°	7	7	7	7	7	7	7	7	7	7	7
75°	7	7	7	7	7	7	7	7	7	7	7
72.5°	7	7	7	7	7	7	7	7	7	7	7
70°	7	7	7	7	7	7	7	7	7	7	8
67.5°	7	7	7	7	7	7	7	7	7	8	8
65°	7	7	7	7	7	7	7	7	8	8	9
62.5°	7	7	7	7	7	7	7	7	8	9	8
60°	7	7	7	7	7	7	7	8	9	8	8
57.5°	7	7	7	7	7	8	8	8	9	8	8
55°	7	7	7	7	7	8	8	9	9	8	8
52.5°	7	7	7	7	8	8	8	9	9	8	8
50°	7	7	7	7	8	8	9	9	9	8	9
47.5°	7	7	7	7	8	8	9	9	9	8	11
45°	7	7	7	7	8	8	9	9	9	9	12
42.5°	7	7	7	7	8	9	9	9	9	10	13
40°	7	7	7	8	9	9	9	10	10	10	14
37.5°	7	7	7	8	9	9	10	10	10	11	15
35°	7	7	7	8	9	9	10	10	11	13	16
32.5°	7	7	8	8	9	9	10	11	12	15	18
30°	7	7	8	8	9	9	10	11	13	17	19
27.5°	7	7	8	8	9	9	11	12	14	19	22
25°	7	7	8	8	9	10	11	12	15	21	24
22.5°	7	7	8	9	9	10	11	13	17	23	29
20°	7	7	8	9	9	10	12	14	19	25	35
17.5°	7	7	8	9	9	10	12	14	20	28	41
15°	7	7	8	9	9	10	12	15	22	30	47
12.5°	7	7	8	9	9	10	12	16	24	33	54
10°	7	7	8	9	9	10	12	17	25	37	61
7.5°	7	7	9	9	9	10	12	18	27	41	72
5°	7	7	9	9	9	10	12	19	29	46	83
2.5°	7	7	9	9	9	10	12	20	30	50	94
0°	7	7	9	9	9	11	12	21	32	54	104
-2.5°	7	7	9	9	9	11	14	25	40	67	119
-5°	7	7	9	9	9	11	15	29	48	79	133
-7.5°	7	7	9	9	9	12	17	33	56	90	145
-10°	7	7	9	9	9	12	18	36	63	100	157
-12.5°	7	7	9	9	9	12	19	38	68	109	167
-15°	7	7	9	9	10	12	20	40	74	117	176
-17.5°	7	7	9	9	10	12	21	43	79	124	183
-20°	7	7	9	9	10	13	21	45	83	130	188



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7	7	9	9	10	13	22	46	85	135	192
-25°	7	7	8	9	10	13	22	46	86	138	193
-27.5°	7	7	8	9	10	13	22	45	85	139	196
-30°	7	7	8	9	10	13	21	43	84	138	197
-32.5°	7	7	8	9	10	13	19	41	81	135	196
-35°	7	7	8	9	10	12	18	39	77	130	193
-37.5°	7	7	8	9	10	12	18	36	71	122	180
-40°	7	7	8	9	9	12	17	32	63	113	164
-42.5°	7	7	8	9	9	12	17	27	56	100	146
-45°	7	7	8	9	9	12	16	23	49	84	128
-47.5°	7	7	8	9	9	11	15	22	40	68	109
-50°	7	7	8	9	9	11	14	20	30	56	89
-52.5°	7	7	7	9	9	11	14	19	25	44	69
-55°	7	7	7	8	9	10	13	17	23	31	54
-57.5°	7	7	7	8	9	10	12	16	20	26	39
-60°	7	7	7	8	9	10	12	15	18	23	28
-62.5°	7	7	7	8	9	9	11	14	17	20	25
-65°	7	7	7	8	8	9	10	12	15	18	21
-67.5°	7	7	7	8	8	9	10	11	14	16	19
-70°	7	7	7	7	8	9	9	11	13	15	17
-72.5°	7	7	7	7	8	9	9	10	12	13	15
-75°	7	7	7	7	8	8	9	9	10	12	14
-77.5°	7	7	7	7	8	8	9	9	10	11	12
-80°	7	7	7	7	8	8	9	9	9	10	11
-82.5°	7	7	7	7	7	8	8	9	9	9	10
-85°	7	7	7	7	7	8	8	8	8	8	9
-87.5°	7	7	7	7	7	7	7	8	8	8	8
-90°	7	7	7	7	7	7	7	7	7	7	7



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7	7	7	7	7	7	7	7	7	8	8
87.5°	7	7	6	6	6	6	6	5	5	5	5
85°	7	7	7	7	7	6	6	5	5	5	5
82.5°	7	7	7	7	7	6	6	6	6	6	5
80°	7	7	7	7	7	7	7	7	7	6	6
77.5°	7	7	7	7	7	7	7	7	7	6	6
75°	7	7	7	7	7	7	7	7	7	7	7
72.5°	7	8	7	7	7	7	7	7	8	10	11
70°	8	8	8	7	7	7	10	13	16	18	21
67.5°	9	8	7	7	8	11	14	22	30	33	34
65°	8	7	7	9	10	17	25	35	42	41	39
62.5°	7	7	8	11	17	24	32	39	45	44	37
60°	7	7	11	16	22	28	35	39	42	42	33
57.5°	7	9	15	21	26	30	32	35	36	36	27
55°	8	13	19	23	27	26	27	27	28	26	18
52.5°	11	16	21	25	26	23	20	20	19	16	13
50°	13	18	22	25	24	19	15	15	14	12	10
47.5°	15	20	24	25	21	17	14	12	11	10	9
45°	17	21	25	24	20	17	14	11	11	11	11
42.5°	18	22	24	23	21	18	16	14	13	14	14
40°	19	22	23	24	22	21	20	19	16	18	19
37.5°	19	22	24	27	25	25	26	27	25	25	28
35°	19	23	29	33	31	32	35	37	37	36	41
32.5°	19	24	36	39	42	43	45	49	52	55	64
30°	22	31	44	47	55	64	61	63	70	92	111
27.5°	27	39	51	58	72	90	96	84	104	139	171
25°	33	64	59	73	98	125	140	138	158	201	240
22.5°	47	96	93	88	128	168	194	239	302	302	316
20°	70	126	135	147	173	217	254	373	505	550	501
17.5°	98	160	184	224	280	309	330	534	757	845	873
15°	128	196	236	310	400	451	541	773	1037	1186	1298
12.5°	161	234	291	402	528	595	794	1131	1394	1574	1857
10°	194	273	347	499	661	741	1066	1500	1774	1983	2370
7.5°	231	312	403	599	798	888	1347	1872	2145	2378	2815
5°	267	350	453	683	908	1012	1600	2236	2505	2758	3217
2.5°	301	385	501	761	995	1098	1722	2422	2715	3028	3521
0°	330	419	546	832	1074	1181	1818	2582	2885	3242	3742
-2.5°	336	433	562	831	1064	1179	1828	2589	2944	3321	3810
-5°	338	444	574	823	1046	1172	1809	2563	2954	3302	3742
-7.5°	335	452	583	806	1012	1133	1702	2404	2800	3102	3517
-10°	329	450	573	770	957	1074	1556	2221	2639	2899	3261
-12.5°	319	442	558	730	901	1014	1386	2018	2476	2698	2991
-15°	307	432	540	690	847	953	1193	1799	2320	2547	2764
-17.5°	295	421	520	649	796	893	985	1566	2124	2393	2603
-20°	283	408	498	609	747	846	922	1330	1848	2222	2433



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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	395	476	579	705	809	886	1100	1557	2037	2264
-25°	267	376	459	552	664	772	850	904	1282	1757	2103
-27.5°	268	360	442	523	623	732	810	865	1073	1481	1922
-30°	265	341	424	495	588	686	769	845	910	1238	1627
-32.5°	255	321	401	473	552	641	735	816	887	994	1346
-35°	242	305	377	450	516	602	694	783	858	924	1085
-37.5°	229	286	352	424	489	562	649	739	820	898	971
-40°	215	265	329	396	460	525	603	688	773	864	951
-42.5°	199	247	303	367	428	491	555	635	721	817	908
-45°	178	228	277	334	392	453	515	579	662	751	846
-47.5°	155	206	253	299	353	411	471	534	599	680	766
-50°	130	178	226	267	313	366	421	484	546	610	683
-52.5°	107	148	193	236	276	320	371	428	488	548	605
-55°	82	120	158	200	240	278	319	370	424	480	532
-57.5°	62	90	125	161	200	238	274	311	357	407	451
-60°	44	65	92	124	157	193	229	263	297	330	369
-62.5°	29	45	64	86	116	146	178	211	244	273	299
-65°	26	29	42	59	75	103	130	156	185	211	236
-67.5°	22	25	29	34	50	67	84	108	131	150	168
-70°	19	21	24	27	30	37	52	68	83	97	113
-72.5°	17	19	21	22	25	28	32	35	44	55	66
-75°	15	16	18	20	21	23	25	28	31	33	36
-77.5°	13	14	15	17	18	20	21	23	25	26	28
-80°	12	12	13	14	15	16	17	18	19	21	22
-82.5°	10	11	11	11	12	13	14	15	15	15	16
-85°	9	9	9	9	10	10	10	11	11	11	11
-87.5°	8	8	8	8	8	8	8	8	8	9	9
-90°	7	6	6	5	5	5	5	5	5	5	5



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9	9	10	10	10	14	18	22	26	33	39
87.5°	5	5	4	4	4	3	3	2	2	2	2
85°	5	5	4	4	4	3	3	3	3	3	3
82.5°	5	5	4	4	4	4	4	4	4	3	3
80°	5	5	5	5	5	4	4	4	4	3	3
77.5°	6	6	6	6	5	5	4	4	4	4	4
75°	7	7	7	7	6	6	6	5	5	5	4
72.5°	12	12	12	11	10	10	10	10	9	9	9
70°	23	23	22	20	17	15	14	13	11	10	10
67.5°	32	29	26	24	20	17	15	13	11	10	10
65°	35	29	24	20	17	15	13	11	9	8	7
62.5°	31	23	18	15	13	12	10	8	7	6	6
60°	25	17	12	11	10	9	8	7	6	5	5
57.5°	19	12	9	9	8	7	7	6	6	5	5
55°	13	10	9	8	8	7	7	6	6	5	5
52.5°	10	9	9	8	8	7	7	6	6	5	5
50°	9	9	9	9	8	8	7	7	7	6	7
47.5°	9	10	9	9	8	9	9	9	9	8	8
45°	11	11	11	11	10	11	12	12	14	13	11
42.5°	13	14	15	16	14	19	25	29	25	20	17
40°	20	21	25	28	33	38	35	29	26	28	29
37.5°	32	37	45	53	51	42	43	43	41	45	45
35°	52	65	72	74	70	67	70	72	67	75	78
32.5°	85	101	105	101	102	107	112	120	128	141	156
30°	126	143	151	144	145	159	168	187	216	249	290
27.5°	186	199	214	216	209	229	262	281	359	411	504
25°	266	286	299	321	333	358	419	478	598	715	914
22.5°	371	435	459	455	524	591	643	809	1046	1392	1782
20°	510	641	753	789	814	989	1170	1684	2274	3257	4022
17.5°	918	962	1207	1407	1502	1874	2717	4011	6236	9280	11151
15°	1533	1657	1903	2326	2849	3835	5243	9369	15074	21308	27244
12.5°	2212	2470	2921	3544	4374	7188	11730	19493	30055	40856	54633
10°	2842	3361	4101	5152	7285	12091	19737	32933	51641	71149	90637
7.5°	3356	4098	5181	6755	10577	18293	30833	50275	74262	99360	125784
5°	3876	4814	6118	8023	12735	23085	39765	66381	97337	128961	162261
2.5°	4326	5424	6933	9159	14186	25679	45153	77927	114273	152116	194528
0°	4658	5776	7380	9695	15615	27698	48307	81341	118307	157376	200724
-2.5°	4612	5623	7077	9374	15119	27334	46337	78530	114710	151334	189994
-5°	4401	5280	6583	8640	13403	23715	41582	71252	104895	138362	172760
-7.5°	4080	4841	5983	7749	11425	19545	34393	57603	86526	115130	141665
-10°	3748	4368	5294	6689	9311	14985	25485	42836	66889	90445	110780
-12.5°	3436	3898	4556	5528	7144	11218	19146	31805	47872	65983	83591
-15°	3146	3487	3960	4743	6037	8453	12757	21193	32495	45136	57308
-17.5°	2879	3160	3529	4081	4882	6377	9392	14215	21038	30030	38436
-20°	2640	2895	3171	3584	4200	5079	6564	9558	13495	19163	24722



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2453	2653	2867	3184	3697	4321	5058	6285	8452	11359	14652
-25°	2282	2430	2653	2993	3344	3761	4208	4700	5661	6596	8320
-27.5°	2119	2276	2507	2815	3135	3330	3616	3920	4380	4786	5472
-30°	1984	2148	2345	2604	2874	3057	3206	3426	3681	3935	4231
-32.5°	1729	2042	2178	2376	2619	2812	2944	3107	3243	3401	3562
-35°	1450	1796	2078	2206	2374	2588	2775	2906	3012	3110	3201
-37.5°	1135	1494	1802	2061	2215	2359	2557	2734	2861	2928	2988
-40°	1015	1118	1444	1741	1973	2197	2352	2525	2672	2765	2834
-42.5°	994	1047	1089	1315	1596	1836	2041	2243	2423	2556	2663
-45°	939	1002	1061	1103	1146	1359	1588	1810	2013	2194	2352
-47.5°	849	925	988	1048	1095	1132	1175	1246	1436	1622	1799
-50°	752	820	889	954	1005	1050	1091	1126	1162	1199	1234
-52.5°	655	716	777	835	889	940	988	1023	1053	1079	1099
-55°	579	625	669	718	766	811	853	891	925	956	979
-57.5°	496	540	583	619	654	689	724	757	787	813	833
-60°	408	447	484	520	554	586	615	641	665	686	701
-62.5°	324	354	388	419	446	473	502	529	553	572	587
-65°	260	282	306	330	354	379	405	428	448	465	478
-67.5°	190	211	235	256	276	298	322	345	366	383	396
-70°	128	143	162	182	201	222	244	266	287	303	316
-72.5°	77	87	97	110	124	140	159	178	197	211	222
-75°	38	42	50	57	64	73	83	92	100	107	112
-77.5°	30	32	34	36	38	42	46	51	56	60	64
-80°	23	25	26	27	29	32	35	38	42	44	46
-82.5°	16	17	18	18	19	21	23	25	27	29	31
-85°	11	11	11	12	12	14	16	18	21	23	24
-87.5°	9	9	9	9	9	11	13	14	16	18	20
-90°	5	5	4	4	4	3	3	2	2	1	1



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	46	53	48	44	48	53	46	39	33	26	22
87.5°	2	2	2	2	2	2	2	2	2	2	2
85°	2	2	2	2	2	2	2	3	3	3	3
82.5°	2	2	2	2	2	2	2	3	3	4	4
80°	3	3	3	4	3	3	3	3	3	4	4
77.5°	4	4	4	4	4	4	4	4	4	4	4
75°	4	4	4	5	4	4	4	4	5	5	5
72.5°	9	9	9	9	9	9	9	9	9	9	10
70°	10	10	10	11	10	10	10	10	10	11	13
67.5°	9	9	9	9	9	9	9	10	10	11	13
65°	7	7	7	7	7	7	7	7	8	9	11
62.5°	6	7	7	7	7	7	6	6	6	7	8
60°	5	5	5	5	5	5	5	5	5	6	7
57.5°	5	5	6	7	6	5	5	5	5	6	6
55°	5	5	5	5	5	5	5	5	5	6	6
52.5°	5	5	5	5	5	5	5	5	5	6	6
50°	7	7	7	7	7	7	7	7	6	7	7
47.5°	8	9	8	7	8	9	8	8	8	9	9
45°	11	11	10	11	10	11	11	11	13	14	12
42.5°	17	17	17	18	17	17	17	17	20	25	29
40°	30	31	31	32	31	31	30	29	28	26	29
37.5°	46	47	47	47	47	47	46	45	45	41	43
35°	78	77	75	76	75	77	78	78	75	67	72
32.5°	166	168	159	146	159	168	166	156	141	128	120
30°	322	349	368	369	368	349	322	290	249	216	187
27.5°	566	609	627	637	627	609	566	504	411	359	281
25°	1070	1168	1221	1181	1221	1168	1070	914	715	598	478
22.5°	2153	2341	2501	2510	2501	2341	2153	1782	1392	1046	809
20°	5085	5043	5447	5244	5447	5043	5085	4022	3257	2274	1684
17.5°	14424	16019	16901	15695	16901	16019	14424	11151	9280	6236	4011
15°	33160	37140	39833	39489	39833	37140	33160	27244	21308	15074	9369
12.5°	62349	68889	74464	74230	74464	68889	62349	54633	40856	30055	19493
10°	108000	119403	130030	131138	130030	119403	108000	90637	71149	51641	32933
7.5°	150060	175738	191044	194971	191044	175738	150060	125784	99360	74262	50275
5°	202726	232462	248549	248978	248549	232462	202726	162261	128961	97337	66381
2.5°	241713	275209	294961	310244	294961	275209	241713	194528	152116	114273	77927
0°	253308	282194	314426	332346	314426	282194	253308	200724	157376	118307	81341
-2.5°	237771	268014	284014	298591	284014	268014	237771	189994	151334	114710	78530
-5°	208255	240288	255660	258942	255660	240288	208255	172760	138362	104895	71252
-7.5°	165709	188255	203818	209922	203818	188255	165709	141665	115130	86526	57603
-10°	129690	144248	152037	157215	152037	144248	129690	110780	90445	66889	42836
-12.5°	97782	108307	114415	117073	114415	108307	97782	83591	65983	47872	31805
-15°	69601	77929	82065	84698	82065	77929	69601	57308	45136	32495	21193
-17.5°	47686	54382	58199	60681	58199	54382	47686	38436	30030	21038	14215
-20°	30511	34498	37434	38290	37434	34498	30511	24722	19163	13495	9558



REPORT NUMBER: P731556 (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°	17826	20174	21653	21989	21653	20174	17826	14652	11359	8452	6285
-25°	9693	10715	11491	11754	11491	10715	9693	8320	6596	5661	4700
-27.5°	5952	6348	6634	6782	6634	6348	5952	5472	4786	4380	3920
-30°	4477	4657	4765	4837	4765	4657	4477	4231	3935	3681	3426
-32.5°	3676	3757	3805	3838	3805	3757	3676	3562	3401	3243	3107
-35°	3274	3327	3363	3380	3363	3327	3274	3201	3110	3012	2906
-37.5°	3032	3065	3089	3103	3089	3065	3032	2988	2928	2861	2734
-40°	2867	2891	2910	2931	2910	2891	2867	2834	2765	2672	2525
-42.5°	2717	2751	2769	2773	2769	2751	2717	2663	2556	2423	2243
-45°	2474	2569	2628	2647	2628	2569	2474	2352	2194	2013	1810
-47.5°	1961	2104	2212	2278	2212	2104	1961	1799	1622	1436	1246
-50°	1267	1298	1309	1302	1309	1298	1267	1234	1199	1162	1126
-52.5°	1115	1127	1137	1144	1137	1127	1115	1099	1079	1053	1023
-55°	998	1012	1025	1035	1025	1012	998	979	956	925	891
-57.5°	851	865	870	869	870	865	851	833	813	787	757
-60°	714	724	731	735	731	724	714	701	686	665	641
-62.5°	598	607	617	625	617	607	598	587	572	553	529
-65°	489	498	505	511	505	498	489	478	465	448	428
-67.5°	408	419	427	433	427	419	408	396	383	366	345
-70°	328	338	345	349	345	338	328	316	303	287	266
-72.5°	231	239	242	244	242	239	231	222	211	197	178
-75°	116	120	123	126	123	120	116	112	107	100	92
-77.5°	68	71	74	75	74	71	68	64	60	56	51
-80°	49	51	53	54	53	51	49	46	44	42	38
-82.5°	33	35	36	37	36	35	33	31	29	27	25
-85°	26	28	29	30	29	28	26	24	23	21	18
-87.5°	21	23	24	25	24	23	21	20	18	16	14
-90°	0	0	0	0	0	0	0	1	1	2	2



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18	14	10	10	10	9	9	8	8	7	7
87.5°	3	3	4	4	4	5	5	5	5	5	5
85°	3	3	4	4	4	5	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	7	7
77.5°	4	5	5	6	6	6	6	6	6	7	7
75°	6	6	6	7	7	7	7	7	7	7	7
72.5°	10	10	10	11	12	12	12	11	10	8	7
70°	14	15	17	20	22	23	23	21	18	16	13
67.5°	15	17	20	24	26	29	32	34	33	30	22
65°	13	15	17	20	24	29	35	39	41	42	35
62.5°	10	12	13	15	18	23	31	37	44	45	39
60°	8	9	10	11	12	17	25	33	42	42	39
57.5°	7	7	8	9	9	12	19	27	36	36	35
55°	7	7	8	8	9	10	13	18	26	28	27
52.5°	7	7	8	8	9	9	10	13	16	19	20
50°	7	8	8	9	9	9	9	10	12	14	15
47.5°	9	9	8	9	9	10	9	9	10	11	12
45°	12	11	10	11	11	11	11	11	11	11	11
42.5°	25	19	14	16	15	14	13	14	14	13	14
40°	35	38	33	28	25	21	20	19	18	16	19
37.5°	43	42	51	53	45	37	32	28	25	25	27
35°	70	67	70	74	72	65	52	41	36	37	37
32.5°	112	107	102	101	105	101	85	64	55	52	49
30°	168	159	145	144	151	143	126	111	92	70	63
27.5°	262	229	209	216	214	199	186	171	139	104	84
25°	419	358	333	321	299	286	266	240	201	158	138
22.5°	643	591	524	455	459	435	371	316	302	302	239
20°	1170	989	814	789	753	641	510	501	550	505	373
17.5°	2717	1874	1502	1407	1207	962	918	873	845	757	534
15°	5243	3835	2849	2326	1903	1657	1533	1298	1186	1037	773
12.5°	11730	7188	4374	3544	2921	2470	2212	1857	1574	1394	1131
10°	19737	12091	7285	5152	4101	3361	2842	2370	1983	1774	1500
7.5°	30833	18293	10577	6755	5181	4098	3356	2815	2378	2145	1872
5°	39765	23085	12735	8023	6118	4814	3876	3217	2758	2505	2236
2.5°	45153	25679	14186	9159	6933	5424	4326	3521	3028	2715	2422
0°	48307	27698	15615	9695	7380	5776	4658	3742	3242	2885	2582
-2.5°	46337	27334	15119	9374	7077	5623	4612	3810	3321	2944	2589
-5°	41582	23715	13403	8640	6583	5280	4401	3742	3302	2954	2563
-7.5°	34393	19545	11425	7749	5983	4841	4080	3517	3102	2800	2404
-10°	25485	14985	9311	6689	5294	4368	3748	3261	2899	2639	2221
-12.5°	19146	11218	7144	5528	4556	3898	3436	2991	2698	2476	2018
-15°	12757	8453	6037	4743	3960	3487	3146	2764	2547	2320	1799
-17.5°	9392	6377	4882	4081	3529	3160	2879	2603	2393	2124	1566
-20°	6564	5079	4200	3584	3171	2895	2640	2433	2222	1848	1330



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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°	5058	4321	3697	3184	2867	2653	2453	2264	2037	1557	1100
-25°	4208	3761	3344	2993	2653	2430	2282	2103	1757	1282	904
-27.5°	3616	3330	3135	2815	2507	2276	2119	1922	1481	1073	865
-30°	3206	3057	2874	2604	2345	2148	1984	1627	1238	910	845
-32.5°	2944	2812	2619	2376	2178	2042	1729	1346	994	887	816
-35°	2775	2588	2374	2206	2078	1796	1450	1085	924	858	783
-37.5°	2557	2359	2215	2061	1802	1494	1135	971	898	820	739
-40°	2352	2197	1973	1741	1444	1118	1015	951	864	773	688
-42.5°	2041	1836	1596	1315	1089	1047	994	908	817	721	635
-45°	1588	1359	1146	1103	1061	1002	939	846	751	662	579
-47.5°	1175	1132	1095	1048	988	925	849	766	680	599	534
-50°	1091	1050	1005	954	889	820	752	683	610	546	484
-52.5°	988	940	889	835	777	716	655	605	548	488	428
-55°	853	811	766	718	669	625	579	532	480	424	370
-57.5°	724	689	654	619	583	540	496	451	407	357	311
-60°	615	586	554	520	484	447	408	369	330	297	263
-62.5°	502	473	446	419	388	354	324	299	273	244	211
-65°	405	379	354	330	306	282	260	236	211	185	156
-67.5°	322	298	276	256	235	211	190	168	150	131	108
-70°	244	222	201	182	162	143	128	113	97	83	68
-72.5°	159	140	124	110	97	87	77	66	55	44	35
-75°	83	73	64	57	50	42	38	36	33	31	28
-77.5°	46	42	38	36	34	32	30	28	26	25	23
-80°	35	32	29	27	26	25	23	22	21	19	18
-82.5°	23	21	19	18	18	17	16	16	15	15	15
-85°	16	14	12	12	11	11	11	11	11	11	11
-87.5°	13	11	9	9	9	9	9	9	9	8	8
-90°	3	3	4	4	4	5	5	5	5	5	5



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7	7	7	7	7	7	7	7	7	7	7
87.5°	6	6	6	6	6	7	7	7	7	7	7
85°	6	6	7	7	7	7	7	7	7	7	7
82.5°	6	6	7	7	7	7	7	7	7	7	7
80°	7	7	7	7	7	7	7	7	7	7	7
77.5°	7	7	7	7	7	7	7	7	7	7	7
75°	7	7	7	7	7	7	7	7	7	7	7
72.5°	7	7	7	7	7	8	7	7	7	7	7
70°	10	7	7	7	8	8	8	8	7	7	7
67.5°	14	11	8	7	7	8	9	8	8	7	7
65°	25	17	10	9	7	7	8	9	8	8	7
62.5°	32	24	17	11	8	7	7	8	9	8	7
60°	35	28	22	16	11	7	7	8	8	9	8
57.5°	32	30	26	21	15	9	7	8	8	9	8
55°	27	26	27	23	19	13	8	8	8	9	9
52.5°	20	23	26	25	21	16	11	8	8	9	9
50°	15	19	24	25	22	18	13	9	8	9	9
47.5°	14	17	21	25	24	20	15	11	8	9	9
45°	14	17	20	24	25	21	17	12	9	9	9
42.5°	16	18	21	23	24	22	18	13	10	9	9
40°	20	21	22	24	23	22	19	14	10	10	10
37.5°	26	25	25	27	24	22	19	15	11	10	10
35°	35	32	31	33	29	23	19	16	13	11	10
32.5°	45	43	42	39	36	24	19	18	15	12	11
30°	61	64	55	47	44	31	22	19	17	13	11
27.5°	96	90	72	58	51	39	27	22	19	14	12
25°	140	125	98	73	59	64	33	24	21	15	12
22.5°	194	168	128	88	93	96	47	29	23	17	13
20°	254	217	173	147	135	126	70	35	25	19	14
17.5°	330	309	280	224	184	160	98	41	28	20	14
15°	541	451	400	310	236	196	128	47	30	22	15
12.5°	794	595	528	402	291	234	161	54	33	24	16
10°	1066	741	661	499	347	273	194	61	37	25	17
7.5°	1347	888	798	599	403	312	231	72	41	27	18
5°	1600	1012	908	683	453	350	267	83	46	29	19
2.5°	1722	1098	995	761	501	385	301	94	50	30	20
0°	1818	1181	1074	832	546	419	330	104	54	32	21
-2.5°	1828	1179	1064	831	562	433	336	119	67	40	25
-5°	1809	1172	1046	823	574	444	338	133	79	48	29
-7.5°	1702	1133	1012	806	583	452	335	145	90	56	33
-10°	1556	1074	957	770	573	450	329	157	100	63	36
-12.5°	1386	1014	901	730	558	442	319	167	109	68	38
-15°	1193	953	847	690	540	432	307	176	117	74	40
-17.5°	985	893	796	649	520	421	295	183	124	79	43
-20°	922	846	747	609	498	408	283	188	130	83	45



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	886	809	705	579	476	395	271	192	135	85	46
-25°	850	772	664	552	459	376	267	193	138	86	46
-27.5°	810	732	623	523	442	360	268	196	139	85	45
-30°	769	686	588	495	424	341	265	197	138	84	43
-32.5°	735	641	552	473	401	321	255	196	135	81	41
-35°	694	602	516	450	377	305	242	193	130	77	39
-37.5°	649	562	489	424	352	286	229	180	122	71	36
-40°	603	525	460	396	329	265	215	164	113	63	32
-42.5°	555	491	428	367	303	247	199	146	100	56	27
-45°	515	453	392	334	277	228	178	128	84	49	23
-47.5°	471	411	353	299	253	206	155	109	68	40	22
-50°	421	366	313	267	226	178	130	89	56	30	20
-52.5°	371	320	276	236	193	148	107	69	44	25	19
-55°	319	278	240	200	158	120	82	54	31	23	17
-57.5°	274	238	200	161	125	90	62	39	26	20	16
-60°	229	193	157	124	92	65	44	28	23	18	15
-62.5°	178	146	116	86	64	45	29	25	20	17	14
-65°	130	103	75	59	42	29	26	21	18	15	12
-67.5°	84	67	50	34	29	25	22	19	16	14	11
-70°	52	37	30	27	24	21	19	17	15	13	11
-72.5°	32	28	25	22	21	19	17	15	13	12	10
-75°	25	23	21	20	18	16	15	14	12	10	9
-77.5°	21	20	18	17	15	14	13	12	11	10	9
-80°	17	16	15	14	13	12	12	11	10	9	9
-82.5°	14	13	12	11	11	11	10	10	9	9	9
-85°	10	10	10	9	9	9	9	9	8	8	8
-87.5°	8	8	8	8	8	8	8	8	8	8	8
-90°	5	5	5	5	6	6	7	7	7	7	7



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7	7	7	7	7	7	7
87.5°	7	7	7	7	7	7	7
85°	7	7	7	7	7	7	7
82.5°	7	7	7	7	7	7	7
80°	7	7	7	7	7	7	7
77.5°	7	7	7	7	7	7	7
75°	7	7	7	7	7	7	7
72.5°	7	7	7	7	7	7	7
70°	7	7	7	7	7	7	7
67.5°	7	7	7	7	7	7	7
65°	7	7	7	7	7	7	7
62.5°	7	7	7	7	7	7	7
60°	7	7	7	7	7	7	7
57.5°	8	8	7	7	7	7	7
55°	8	8	7	7	7	7	7
52.5°	8	8	8	7	7	7	7
50°	9	8	8	7	7	7	7
47.5°	9	8	8	7	7	7	7
45°	9	8	8	7	7	7	7
42.5°	9	9	8	7	7	7	7
40°	9	9	9	8	7	7	7
37.5°	10	9	9	8	7	7	7
35°	10	9	9	8	7	7	7
32.5°	10	9	9	8	8	7	7
30°	10	9	9	8	8	7	7
27.5°	11	9	9	8	8	7	7
25°	11	10	9	8	8	7	7
22.5°	11	10	9	9	8	7	7
20°	12	10	9	9	8	7	7
17.5°	12	10	9	9	8	7	7
15°	12	10	9	9	8	7	7
12.5°	12	10	9	9	8	7	7
10°	12	10	9	9	8	7	7
7.5°	12	10	9	9	9	7	7
5°	12	10	9	9	9	7	7
2.5°	12	10	9	9	9	7	7
0°	12	11	9	9	9	7	7
-2.5°	14	11	9	9	9	7	7
-5°	15	11	9	9	9	7	7
-7.5°	17	12	9	9	9	7	7
-10°	18	12	9	9	9	7	7
-12.5°	19	12	9	9	9	7	7
-15°	20	12	10	9	9	7	7
-17.5°	21	12	10	9	9	7	7
-20°	21	13	10	9	9	7	7



REPORT NUMBER: P731556 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22	13	10	9	9	7	7
-25°	22	13	10	9	8	7	7
-27.5°	22	13	10	9	8	7	7
-30°	21	13	10	9	8	7	7
-32.5°	19	13	10	9	8	7	7
-35°	18	12	10	9	8	7	7
-37.5°	18	12	10	9	8	7	7
-40°	17	12	9	9	8	7	7
-42.5°	17	12	9	9	8	7	7
-45°	16	12	9	9	8	7	7
-47.5°	15	11	9	9	8	7	7
-50°	14	11	9	9	8	7	7
-52.5°	14	11	9	9	7	7	7
-55°	13	10	9	8	7	7	7
-57.5°	12	10	9	8	7	7	7
-60°	12	10	9	8	7	7	7
-62.5°	11	9	9	8	7	7	7
-65°	10	9	8	8	7	7	7
-67.5°	10	9	8	8	7	7	7
-70°	9	9	8	7	7	7	7
-72.5°	9	9	8	7	7	7	7
-75°	9	8	8	7	7	7	7
-77.5°	9	8	8	7	7	7	7
-80°	9	8	8	7	7	7	7
-82.5°	8	8	7	7	7	7	7
-85°	8	8	7	7	7	7	7
-87.5°	7	7	7	7	7	7	7
-90°	7	7	7	7	7	7	7

(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

