

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: P731563 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731563 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

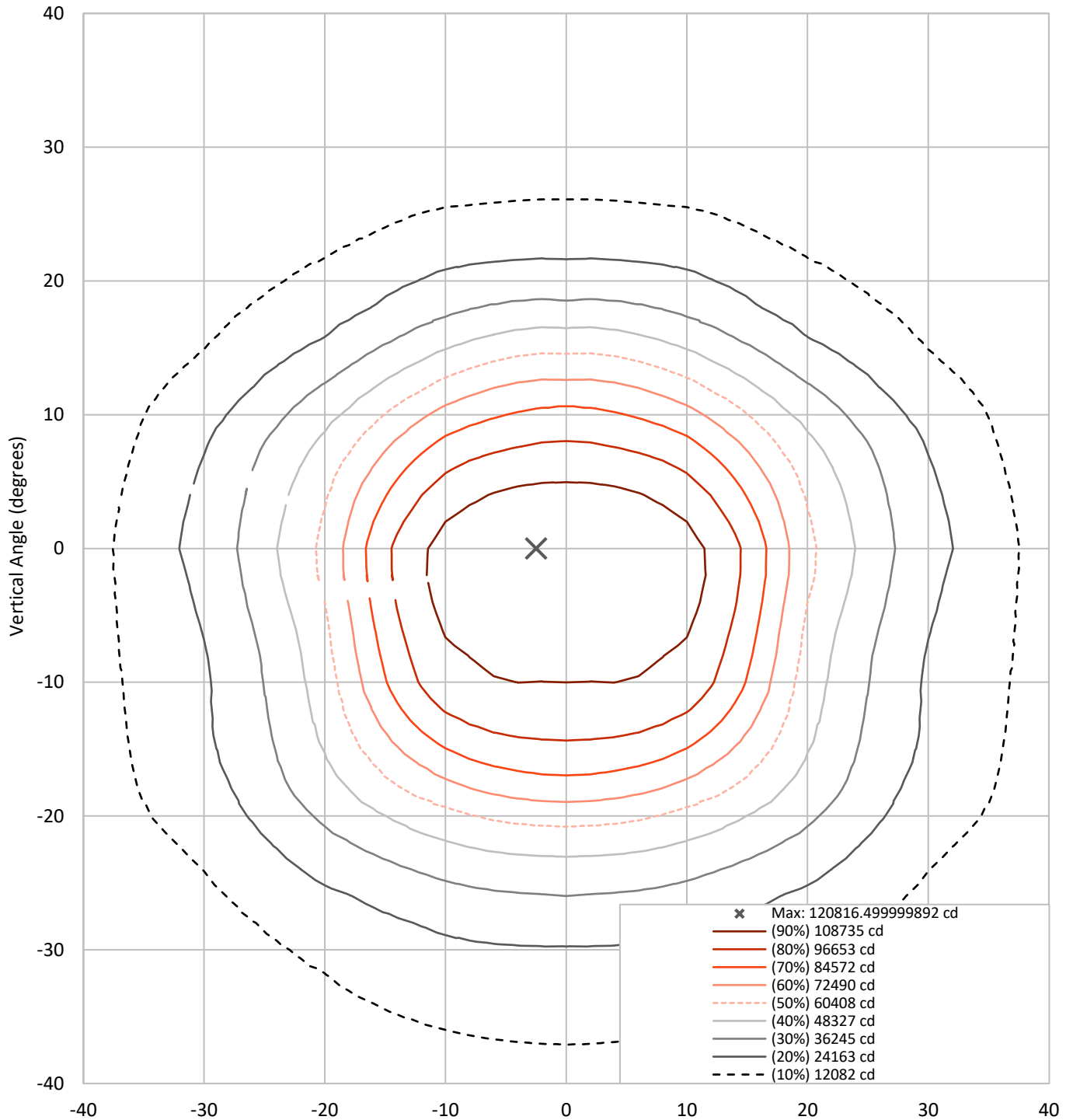
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	59626.2 lumens	Max Intensity:	120816.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	106.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	32795.7 lumens	Field Lumens:	54624.5 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 559.9
Input Voltage (V): NR
Input Current (A_{in}): 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





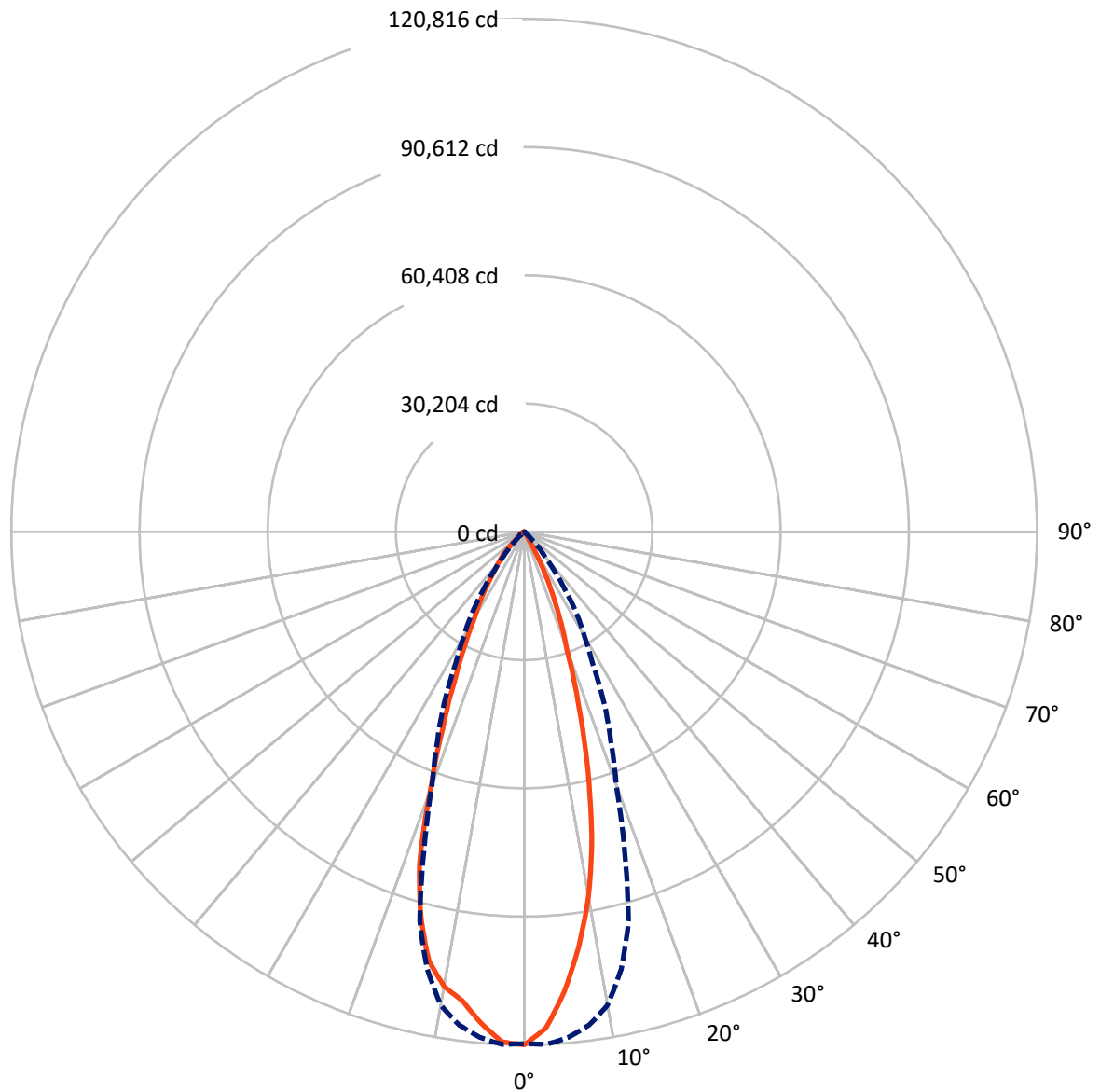
REPORT NUMBER: P731563 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90																
80	0.1	0.4		0.5		0.5		0.4		0.5		0.5		0.4	0.1	
70																
60	0.2	0.1	0.2	0.3	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.5	0.3	0.2	0.1	0.2
50		0.1	0.2	0.6	0.7	0.4	0.4	0.5	0.5	0.4	0.4	0.7	0.6	0.2	0.1	
40	0.2	0.1	0.3	0.5	0.7	1.0	1.5	1.8	1.8	1.5	1.0	0.7	0.5	0.3	0.1	0.2
30		0.2	0.8	1.8	4.8	13.4	23.2	29.6	29.6	23.2	13.4	4.8	1.8	0.8	0.2	
20	0.2	0.3	2.6	9.1	52.9	152.2	309.4	446.7	446.7	309.4	152.2	52.9	9.1	2.6	0.3	0.2
10		0.7	5.6	29.7	188.3	551.9	1131.1	1671.1	1671.1	1131.1	551.9	188.3	29.7	5.6	0.7	
0	0.2	1.3	9.6	64.6	387.4	1106.5	2316.8	3162.0	3162.0	2316.8	1106.5	387.4	64.6	9.6	1.3	0.2
-10		2.2	13.0	78.1	405.7	1133.1	2600.1	3465.5	3465.5	2600.1	1133.1	405.7	78.1	13.0	2.2	
-20	0.4	2.6	13.4	62.7	344.4	932.9	1964.6	2705.4	2705.4	1964.6	932.9	344.4	62.7	13.4	2.6	0.4
-30		2.2	11.0	29.4	172.7	499.2	918.0	1205.4	1205.4	918.0	499.2	172.7	29.4	11.0	2.2	
-40	0.3	1.7	7.6	17.2	50.5	188.1	346.1	451.5	451.5	346.1	188.1	50.5	17.2	7.6	1.7	0.3
-50		1.0	4.6	12.1	22.3	41.7	94.1	141.9	141.9	94.1	41.7	22.3	12.1	4.6	1.0	
-60	0.2	0.5	2.3	6.8	14.2	23.4	32.1	37.2	37.2	32.1	23.4	14.2	6.8	2.3	0.5	0.2
-70		0.2	0.9	2.6	5.9	10.4	15.6	18.6	18.6	15.6	10.4	5.9	2.6	0.9	0.2	
-80																
-90	0.2	0.7		2.1		5.6		7.9		5.6		2.1		0.7	0.2	

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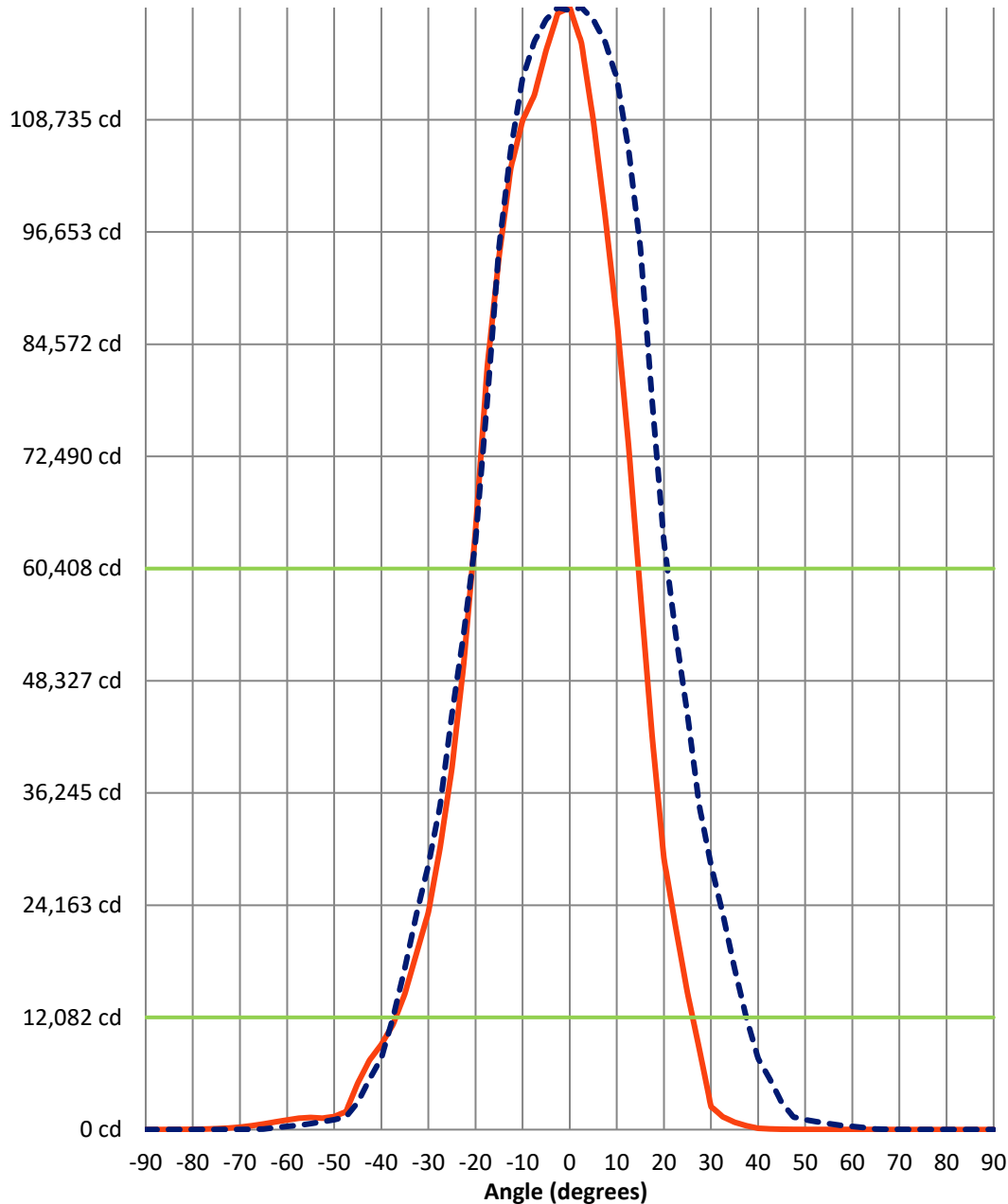
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 32795.7
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 54624.5
 Efficiency: 91.6%

Spill:
 Lumens: 5001.8
 Efficiency: 8.4%

— Vertical Distribution through -2.5-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	8	8	8	8
67.5°	7	7	7	7	7	7	7	8	8	8	8
65°	7	7	7	7	7	7	8	8	8	9	9
62.5°	7	7	7	7	7	8	8	9	9	9	9
60°	7	7	7	7	7	8	9	9	9	9	9
57.5°	7	7	7	7	7	8	9	9	9	9	9
55°	7	7	7	7	8	9	9	9	9	9	9
52.5°	7	7	7	7	8	9	9	9	9	9	9
50°	7	7	7	7	8	9	9	9	9	9	9
47.5°	7	7	7	7	8	9	9	9	9	9	10
45°	7	7	7	7	8	9	9	9	9	9	11
42.5°	7	7	7	7	9	9	9	9	9	10	11
40°	7	7	7	8	9	9	9	9	9	10	12
37.5°	7	7	7	8	9	9	9	9	10	11	12
35°	7	7	7	8	9	9	9	9	10	11	12
32.5°	7	7	7	8	9	9	9	10	11	12	13
30°	7	7	7	8	9	9	9	10	11	13	14
27.5°	7	7	7	8	9	9	9	10	12	14	16
25°	7	7	7	8	9	9	9	11	12	14	17
22.5°	7	7	7	8	9	9	10	11	13	15	20
20°	7	7	7	8	9	9	10	11	14	17	23
17.5°	7	7	7	8	9	9	10	12	14	18	26
15°	7	7	7	8	9	9	10	12	15	19	29
12.5°	7	7	7	8	9	9	10	12	15	20	32
10°	7	7	7	7	9	9	10	12	16	21	36
7.5°	7	7	7	7	9	9	11	12	16	23	43
5°	7	7	7	7	9	9	11	12	17	25	49
2.5°	7	7	7	7	9	9	11	12	17	27	56
0°	7	7	7	7	9	9	11	12	18	28	62
-2.5°	7	7	7	7	9	9	11	14	22	39	80
-5°	7	7	7	7	9	10	12	16	27	49	97
-7.5°	7	7	7	7	9	10	13	17	31	58	112
-10°	7	7	7	7	9	10	13	18	35	66	125
-12.5°	7	7	7	8	9	10	14	20	38	72	135
-15°	7	7	7	8	9	11	14	21	40	78	141
-17.5°	7	7	7	8	9	11	14	22	43	83	145
-20°	7	7	7	8	9	11	15	24	45	85	147



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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°	7	7	7	8	9	11	15	25	46	86	147
-25°	7	7	7	8	9	11	16	25	45	85	144
-27.5°	7	7	7	8	9	11	16	25	44	83	142
-30°	7	7	7	8	9	11	15	25	43	81	138
-32.5°	7	7	7	8	9	10	15	24	42	77	131
-35°	7	7	7	8	9	10	14	24	40	71	121
-37.5°	7	7	7	8	9	10	14	23	38	63	107
-40°	7	7	7	8	9	10	13	21	35	58	94
-42.5°	7	7	7	7	9	10	13	19	32	52	80
-45°	7	7	7	7	9	10	12	17	29	46	66
-47.5°	7	7	7	7	9	10	11	16	25	39	58
-50°	7	7	7	7	8	10	11	15	21	34	50
-52.5°	7	7	7	7	8	10	11	13	18	28	41
-55°	7	7	7	7	8	9	11	12	16	22	34
-57.5°	7	7	7	7	8	9	10	12	14	19	27
-60°	7	7	7	7	8	9	10	11	13	16	21
-62.5°	7	7	7	7	8	9	10	11	12	14	18
-65°	7	7	7	7	8	8	9	11	12	13	15
-67.5°	7	7	7	7	8	8	9	10	11	12	13
-70°	7	7	7	7	8	8	9	10	11	12	13
-72.5°	7	7	7	7	8	8	9	9	10	11	12
-75°	7	7	7	7	8	8	9	9	10	10	11
-77.5°	7	7	7	7	8	8	9	9	9	10	11
-80°	7	7	7	7	8	8	9	9	9	9	10
-82.5°	7	7	7	7	7	8	8	9	9	9	9
-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: P731563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV2

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	6	6	5	5	5	5
87.5°	7	7	6	6	6	6	6	5	5	4	4
85°	7	7	7	7	7	6	6	5	5	5	5
82.5°	7	7	7	7	7	6	6	5	5	5	5
80°	7	7	7	7	7	6	6	5	5	5	5
77.5°	7	7	7	7	7	6	6	6	6	6	6
75°	7	7	7	7	7	7	7	7	7	6	6
72.5°	7	8	7	7	7	7	7	7	7	7	7
70°	8	8	8	7	7	7	8	9	10	10	10
67.5°	9	8	8	7	8	9	10	11	12	12	13
65°	9	8	8	8	9	10	12	13	17	20	21
62.5°	9	9	9	9	11	12	15	19	25	28	27
60°	9	9	9	11	12	14	18	24	31	37	34
57.5°	9	9	10	12	13	15	20	27	36	46	40
55°	9	10	11	13	14	15	21	29	39	45	39
52.5°	10	11	12	13	15	16	20	28	34	39	36
50°	10	11	13	14	16	17	18	24	29	31	31
47.5°	11	12	13	15	17	18	18	21	25	27	25
45°	12	13	14	16	18	19	20	20	25	27	26
42.5°	12	13	16	18	20	23	25	27	30	32	32
40°	13	14	18	22	24	29	34	38	39	41	41
37.5°	13	16	22	31	31	39	46	54	56	52	59
35°	14	19	33	43	45	51	64	75	82	78	84
32.5°	16	22	48	59	69	75	84	108	132	139	127
30°	18	35	64	75	101	118	123	156	206	249	334
27.5°	22	51	80	103	140	171	184	238	323	437	682
25°	25	68	96	138	191	227	249	325	467	831	1289
22.5°	34	86	117	178	249	280	326	430	668	1273	2034
20°	48	102	146	217	311	331	398	531	944	1861	2774
17.5°	62	121	179	263	359	398	467	623	1175	2596	3735
15°	75	141	209	309	415	493	597	830	1617	3468	5008
12.5°	88	162	238	356	479	593	747	1167	2405	4485	6784
10°	100	184	265	401	550	696	902	1536	3202	5371	8191
7.5°	127	217	294	445	624	801	1059	1920	3921	6121	9366
5°	157	261	351	513	702	899	1202	2300	4552	6738	10425
2.5°	187	304	406	580	777	985	1291	2632	5046	7261	11339
0°	215	345	459	643	845	1063	1366	2921	5423	7683	12059
-2.5°	249	389	518	702	868	1066	1367	2814	5505	8083	11789
-5°	278	428	573	756	888	1062	1356	2651	5460	8297	11571
-7.5°	301	464	622	799	907	1073	1383	2687	5384	8297	11434
-10°	315	474	622	797	919	1087	1401	2623	5155	8125	11157
-12.5°	303	461	610	787	927	1090	1395	2444	4768	7775	10810
-15°	288	446	591	767	930	1081	1363	2136	4134	7021	10392
-17.5°	272	429	567	739	928	1058	1283	1649	3314	5967	9433
-20°	255	410	538	700	915	1005	1163	1463	2614	4785	7925



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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°	238	390	507	662	841	942	1050	1266	1848	3457	5976
-25°	228	364	480	612	765	883	937	1073	1365	2538	4363
-27.5°	223	339	447	560	696	821	861	949	1167	1637	2947
-30°	215	305	410	511	635	747	805	861	1000	1254	1980
-32.5°	198	271	371	468	576	684	771	825	912	1045	1286
-35°	177	246	331	422	517	625	724	802	844	936	1097
-37.5°	158	219	291	375	464	564	673	758	820	864	980
-40°	138	190	257	331	411	503	603	702	781	846	898
-42.5°	117	166	223	289	364	445	530	628	725	811	875
-45°	101	141	188	251	318	388	466	546	651	748	828
-47.5°	84	118	161	213	274	337	402	483	570	665	757
-50°	69	99	133	181	233	288	346	420	500	582	666
-52.5°	59	80	111	148	195	244	298	361	432	506	581
-55°	48	66	90	121	157	202	252	307	363	430	497
-57.5°	39	54	73	96	126	159	206	255	306	358	414
-60°	30	43	59	77	97	127	160	202	248	294	341
-62.5°	22	32	45	60	77	96	123	154	188	227	266
-65°	19	23	32	45	58	75	92	111	139	166	193
-67.5°	15	19	23	29	41	54	67	83	100	115	133
-70°	14	15	18	22	26	33	44	56	68	80	93
-72.5°	13	13	14	15	19	23	28	33	40	50	59
-75°	12	12	13	14	15	16	17	21	25	29	33
-77.5°	11	11	12	12	12	13	14	15	16	18	20
-80°	10	11	11	11	11	11	11	12	12	13	14
-82.5°	9	10	10	10	10	10	9	9	10	10	10
-85°	9	9	9	9	9	8	8	8	8	8	8
-87.5°	8	8	8	8	8	7	7	7	7	7	7
-90°	7	6	6	5	5	5	5	5	5	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°	5	5	5	5	5	6	6	7	7	8	9
87.5°	4	4	4	4	4	4	4	4	4	3	3
85°	5	4	4	4	4	4	4	4	4	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°	5	5	5	5	5	5	4	4	4	3	3
75°	5	5	5	5	5	5	5	5	5	5	4
72.5°	7	7	6	6	6	6	6	6	5	5	5
70°	9	9	9	9	8	8	8	7	7	7	7
67.5°	14	14	14	13	12	11	10	9	9	9	9
65°	20	18	16	15	13	12	12	11	10	11	12
62.5°	24	19	16	15	14	14	13	12	12	12	13
60°	28	20	15	14	13	12	12	12	12	12	13
57.5°	30	21	14	14	13	13	12	13	13	12	13
55°	29	21	14	14	14	14	14	13	13	12	13
52.5°	27	20	15	14	14	13	12	13	14	14	15
50°	24	19	17	15	15	16	15	16	17	18	19
47.5°	22	19	19	19	19	20	20	21	24	25	26
45°	22	23	24	25	25	30	34	36	38	40	42
42.5°	30	33	36	41	44	52	56	51	62	72	74
40°	46	51	61	73	88	94	124	125	138	169	180
37.5°	69	84	121	153	204	234	271	307	336	365	385
35°	108	180	237	336	404	439	483	536	558	651	722
32.5°	231	361	515	594	683	751	742	962	1047	1186	1300
30°	428	736	1150	1150	1134	1510	1648	1932	2223	2417	2881
27.5°	988	1644	2299	2312	2596	3381	3828	3963	5226	6037	7144
25°	1821	2900	3804	4224	5067	6346	7104	8007	9892	12041	13397
22.5°	2713	3862	5220	6178	7793	9439	10816	12809	15343	17741	19363
20°	3384	4734	6652	8663	10710	12773	14912	17650	21081	24001	26639
17.5°	4752	6179	8775	11511	14288	16493	19871	23155	27335	31571	34853
15°	6776	9077	11674	15223	19130	22502	26085	31848	36933	42378	47243
12.5°	9374	12424	15865	19946	25066	30360	35823	41906	48557	55097	62040
10°	11799	15991	20434	25456	31315	38000	44675	51567	60809	69185	76610
7.5°	13474	18410	23864	30002	37234	44344	51884	61256	72052	81550	89159
5°	14977	20572	26017	32222	40630	48757	57666	69073	81363	91779	99362
2.5°	16287	22307	27595	33846	43078	51533	61262	74856	89174	99606	107607
0°	17364	23239	28487	34926	44687	53395	63377	78494	94975	105515	113205
-2.5°	16321	21651	26832	33353	43190	52108	62896	78273	94447	105815	113756
-5°	15533	20401	25319	31772	40424	48693	58816	74630	91654	103140	111175
-7.5°	14923	19171	23642	29584	37499	46268	57122	72380	88467	100083	107364
-10°	14258	17907	22780	28769	36465	44826	54468	68582	84836	96013	104540
-12.5°	14055	17908	22817	28017	35096	43125	52318	64340	76799	88519	95997
-15°	13728	17638	22442	27333	33751	41483	49158	58042	68455	76924	84736
-17.5°	13087	16845	20455	25025	31272	38440	44255	51242	58755	65212	71105
-20°	11553	14108	17530	21840	27193	32997	38292	43333	48161	53080	56489



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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°	8840	11294	14163	17743	21986	27045	31724	35138	38978	42521	45433
-25°	6465	8263	10940	13995	16764	20816	24407	26712	30083	32732	35253
-27.5°	4675	6436	8619	11033	13109	15286	18456	20658	23309	25340	27442
-30°	3191	5130	7142	9117	10696	12341	14097	16269	18398	20104	21623
-32.5°	2213	3618	5585	7424	8852	10106	11260	12910	14503	15891	17030
-35°	1356	2352	3714	5466	6975	8180	9245	10296	11315	12359	13240
-37.5°	1147	1385	2234	3440	4878	6218	7261	8129	8898	9693	10319
-40°	1014	1156	1369	1810	2916	4031	5155	6089	6935	7640	8188
-42.5°	926	1021	1125	1298	1503	2049	3016	3959	4876	5646	6291
-45°	899	946	1002	1095	1180	1346	1526	1711	2441	3215	3897
-47.5°	836	913	964	1004	1051	1126	1195	1283	1450	1617	1752
-50°	754	838	908	976	1024	1057	1082	1128	1194	1259	1312
-52.5°	654	735	817	900	968	1032	1091	1132	1163	1190	1204
-55°	563	631	700	783	866	945	1021	1086	1147	1203	1235
-57.5°	475	533	594	669	742	814	888	963	1036	1105	1144
-60°	390	442	497	557	621	688	751	815	878	934	966
-62.5°	307	351	396	444	494	546	599	652	706	751	778
-65°	223	259	293	328	363	403	445	486	525	556	576
-67.5°	156	179	200	221	246	274	304	333	361	383	397
-70°	106	119	130	144	160	177	195	212	228	240	250
-72.5°	68	76	84	94	102	112	122	132	141	147	152
-75°	37	41	48	54	60	67	74	81	87	91	93
-77.5°	22	25	28	31	34	38	42	46	50	52	54
-80°	15	16	18	19	21	23	25	28	30	31	31
-82.5°	10	11	11	12	13	14	16	17	19	20	21
-85°	8	8	8	8	8	9	10	11	12	12	13
-87.5°	7	7	7	7	7	7	7	7	7	7	8
-90°	4	4	4	4	4	4	4	4	4	3	3



REPORT NUMBER: P731563 (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°
90°	10	11	10	9	10	11	10	9	8	7	7
87.5°	2	2	1	0	1	2	2	3	3	4	4
85°	2	2	2	2	2	2	2	3	3	4	4
82.5°	2	2	2	2	2	2	2	3	3	4	4
80°	2	2	2	2	2	2	2	3	3	4	4
77.5°	2	2	3	4	3	2	2	3	3	4	4
75°	4	3	3	4	3	3	4	4	5	5	5
72.5°	5	5	5	5	5	5	5	5	5	5	6
70°	7	7	7	7	7	7	7	7	7	7	7
67.5°	10	10	11	11	11	10	10	9	9	9	9
65°	14	15	15	14	15	15	14	12	11	10	11
62.5°	15	16	16	16	16	16	15	13	12	12	12
60°	14	14	14	14	14	14	14	13	12	12	12
57.5°	13	14	14	14	14	14	13	13	12	13	13
55°	13	14	14	14	14	14	13	13	12	13	13
52.5°	15	16	16	16	16	16	15	15	14	14	13
50°	20	20	20	18	20	20	20	19	18	17	16
47.5°	26	25	25	25	25	25	26	26	25	24	21
45°	43	42	42	42	42	42	43	42	40	38	36
42.5°	77	77	76	74	76	77	77	74	72	62	51
40°	179	164	144	132	144	164	179	180	169	138	125
37.5°	404	415	416	409	416	415	404	385	365	336	307
35°	767	794	796	782	796	794	767	722	651	558	536
32.5°	1298	1360	1383	1377	1383	1360	1298	1300	1186	1047	962
30°	2665	2683	2494	2146	2494	2683	2665	2881	2417	2223	1932
27.5°	7744	8459	8718	8604	8718	8459	7744	7144	6037	5226	3963
25°	13787	14258	14728	14783	14728	14258	13787	13397	12041	9892	8007
22.5°	20486	21156	21791	21646	21791	21156	20486	19363	17741	15343	12809
20°	28315	28777	29246	28727	29246	28777	28315	26639	24001	21081	17650
17.5°	38290	40463	42393	41520	42393	40463	38290	34853	31571	27335	23155
15°	51823	55606	57825	57707	57825	55606	51823	47243	42378	36933	31848
12.5°	67419	71372	73636	73168	73636	71372	67419	62040	55097	48557	41906
10°	81490	84594	87284	88338	87284	84594	81490	76610	69185	60809	51567
7.5°	93917	96230	98474	98875	98474	96230	93917	89159	81550	72052	61256
5°	104148	107425	108693	109196	108693	107425	104148	99362	91779	81363	69073
2.5°	112405	115402	116989	116520	116989	115402	112405	107607	99606	89174	74856
0°	117148	119521	120816	120507	120816	119521	117148	113205	105515	94975	78494
-2.5°	117616	119211	120225	119827	120225	119211	117616	113756	105815	94447	78273
-5°	114381	115679	116212	116440	116212	115679	114381	111175	103140	91654	74630
-7.5°	109924	111668	111403	111862	111403	111668	109924	107364	100083	88467	72380
-10°	107270	108879	108646	108770	108646	108879	107270	104540	96013	84836	68582
-12.5°	100829	103166	103525	103927	103525	103166	100829	95997	88519	76799	64340
-15°	89863	92431	93983	94333	93983	92431	89863	84736	76924	68455	58042
-17.5°	76003	79554	82051	82631	82051	79554	76003	71105	65212	58755	51242
-20°	60650	63192	64486	65183	64486	63192	60650	56489	53080	48161	43333



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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°	47737	49416	50137	50255	50137	49416	47737	45433	42521	38978	35138
-25°	37294	38439	38929	39654	38929	38439	37294	35253	32732	30083	26712
-27.5°	28942	29948	30396	31063	30396	29948	28942	27442	25340	23309	20658
-30°	22647	23253	23405	23438	23405	23253	22647	21623	20104	18398	16269
-32.5°	17914	18597	19004	19186	19004	18597	17914	17030	15891	14503	12910
-35°	13899	14349	14617	14918	14617	14349	13899	13240	12359	11315	10296
-37.5°	10806	11140	11324	11386	11324	11140	10806	10319	9693	8898	8129
-40°	8625	8957	9155	9185	9155	8957	8625	8188	7640	6935	6089
-42.5°	6781	7193	7460	7521	7460	7193	6781	6291	5646	4876	3959
-45°	4396	4780	4983	4970	4983	4780	4396	3897	3215	2441	1711
-47.5°	1839	1901	1928	1919	1928	1901	1839	1752	1617	1450	1283
-50°	1353	1388	1408	1412	1408	1388	1353	1312	1259	1194	1128
-52.5°	1215	1228	1233	1232	1233	1228	1215	1204	1190	1163	1132
-55°	1265	1293	1305	1305	1305	1293	1265	1235	1203	1147	1086
-57.5°	1180	1212	1227	1231	1227	1212	1180	1144	1105	1036	963
-60°	996	1022	1033	1035	1033	1022	996	966	934	878	815
-62.5°	802	821	827	826	827	821	802	778	751	706	652
-65°	593	606	607	602	607	606	593	576	556	525	486
-67.5°	408	417	417	414	417	417	408	397	383	361	333
-70°	258	264	264	262	264	264	258	250	240	228	212
-72.5°	157	160	163	165	163	160	157	152	147	141	132
-75°	95	96	96	95	96	96	95	93	91	87	81
-77.5°	55	56	58	60	58	56	55	54	52	50	46
-80°	31	32	33	33	33	32	31	31	31	30	28
-82.5°	22	23	23	23	23	23	22	21	20	19	17
-85°	14	14	15	16	15	14	14	13	12	12	11
-87.5°	8	9	9	9	9	9	8	8	7	7	7
-90°	2	2	1	0	1	2	2	3	3	4	4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6	6	5	5	5	5	5	5	5	5	5
87.5°	4	4	4	4	4	4	4	4	4	5	5
85°	4	4	4	4	4	4	5	5	5	5	5
82.5°	4	4	4	4	4	5	5	5	5	5	5
80°	4	4	5	5	5	5	5	5	5	5	5
77.5°	4	5	5	5	5	5	5	6	6	6	6
75°	5	5	5	5	5	5	5	6	6	7	7
72.5°	6	6	6	6	6	7	7	7	7	7	7
70°	8	8	8	9	9	9	9	10	10	10	9
67.5°	10	11	12	13	14	14	14	13	12	12	11
65°	12	12	13	15	16	18	20	21	20	17	13
62.5°	13	14	14	15	16	19	24	27	28	25	19
60°	12	12	13	14	15	20	28	34	37	31	24
57.5°	12	13	13	14	14	21	30	40	46	36	27
55°	14	14	14	14	14	21	29	39	45	39	29
52.5°	12	13	14	14	15	20	27	36	39	34	28
50°	15	16	15	15	17	19	24	31	31	29	24
47.5°	20	20	19	19	19	19	22	25	27	25	21
45°	34	30	25	25	24	23	22	26	27	25	20
42.5°	56	52	44	41	36	33	30	32	32	30	27
40°	124	94	88	73	61	51	46	41	41	39	38
37.5°	271	234	204	153	121	84	69	59	52	56	54
35°	483	439	404	336	237	180	108	84	78	82	75
32.5°	742	751	683	594	515	361	231	127	139	132	108
30°	1648	1510	1134	1150	1150	736	428	334	249	206	156
27.5°	3828	3381	2596	2312	2299	1644	988	682	437	323	238
25°	7104	6346	5067	4224	3804	2900	1821	1289	831	467	325
22.5°	10816	9439	7793	6178	5220	3862	2713	2034	1273	668	430
20°	14912	12773	10710	8663	6652	4734	3384	2774	1861	944	531
17.5°	19871	16493	14288	11511	8775	6179	4752	3735	2596	1175	623
15°	26085	22502	19130	15223	11674	9077	6776	5008	3468	1617	830
12.5°	35823	30360	25066	19946	15865	12424	9374	6784	4485	2405	1167
10°	44675	38000	31315	25456	20434	15991	11799	8191	5371	3202	1536
7.5°	51884	44344	37234	30002	23864	18410	13474	9366	6121	3921	1920
5°	57666	48757	40630	32222	26017	20572	14977	10425	6738	4552	2300
2.5°	61262	51533	43078	33846	27595	22307	16287	11339	7261	5046	2632
0°	63377	53395	44687	34926	28487	23239	17364	12059	7683	5423	2921
-2.5°	62896	52108	43190	33353	26832	21651	16321	11789	8083	5505	2814
-5°	58816	48693	40424	31772	25319	20401	15533	11571	8297	5460	2651
-7.5°	57122	46268	37499	29584	23642	19171	14923	11434	8297	5384	2687
-10°	54468	44826	36465	28769	22780	17907	14258	11157	8125	5155	2623
-12.5°	52318	43125	35096	28017	22817	17908	14055	10810	7775	4768	2444
-15°	49158	41483	33751	27333	22442	17638	13728	10392	7021	4134	2136
-17.5°	44255	38440	31272	25025	20455	16845	13087	9433	5967	3314	1649
-20°	38292	32997	27193	21840	17530	14108	11553	7925	4785	2614	1463



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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°	31724	27045	21986	17743	14163	11294	8840	5976	3457	1848	1266
-25°	24407	20816	16764	13995	10940	8263	6465	4363	2538	1365	1073
-27.5°	18456	15286	13109	11033	8619	6436	4675	2947	1637	1167	949
-30°	14097	12341	10696	9117	7142	5130	3191	1980	1254	1000	861
-32.5°	11260	10106	8852	7424	5585	3618	2213	1286	1045	912	825
-35°	9245	8180	6975	5466	3714	2352	1356	1097	936	844	802
-37.5°	7261	6218	4878	3440	2234	1385	1147	980	864	820	758
-40°	5155	4031	2916	1810	1369	1156	1014	898	846	781	702
-42.5°	3016	2049	1503	1298	1125	1021	926	875	811	725	628
-45°	1526	1346	1180	1095	1002	946	899	828	748	651	546
-47.5°	1195	1126	1051	1004	964	913	836	757	665	570	483
-50°	1082	1057	1024	976	908	838	754	666	582	500	420
-52.5°	1091	1032	968	900	817	735	654	581	506	432	361
-55°	1021	945	866	783	700	631	563	497	430	363	307
-57.5°	888	814	742	669	594	533	475	414	358	306	255
-60°	751	688	621	557	497	442	390	341	294	248	202
-62.5°	599	546	494	444	396	351	307	266	227	188	154
-65°	445	403	363	328	293	259	223	193	166	139	111
-67.5°	304	274	246	221	200	179	156	133	115	100	83
-70°	195	177	160	144	130	119	106	93	80	68	56
-72.5°	122	112	102	94	84	76	68	59	50	40	33
-75°	74	67	60	54	48	41	37	33	29	25	21
-77.5°	42	38	34	31	28	25	22	20	18	16	15
-80°	25	23	21	19	18	16	15	14	13	12	12
-82.5°	16	14	13	12	11	11	10	10	10	10	9
-85°	10	9	8	8	8	8	8	8	8	8	8
-87.5°	7	7	7	7	7	7	7	7	7	7	7
-90°	4	4	4	4	4	4	4	4	4	5	5



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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	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°	6	6	7	7	7	7	7	7	7	7	7
77.5°	6	6	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°	8	7	7	7	8	8	8	8	8	8	8
67.5°	10	9	8	7	8	8	9	8	8	8	8
65°	12	10	9	8	8	8	9	9	9	8	8
62.5°	15	12	11	9	9	9	9	9	9	9	9
60°	18	14	12	11	9	9	9	9	9	9	9
57.5°	20	15	13	12	10	9	9	9	9	9	9
55°	21	15	14	13	11	10	9	9	9	9	9
52.5°	20	16	15	13	12	11	10	9	9	9	9
50°	18	17	16	14	13	11	10	9	9	9	9
47.5°	18	18	17	15	13	12	11	10	9	9	9
45°	20	19	18	16	14	13	12	11	9	9	9
42.5°	25	23	20	18	16	13	12	11	10	9	9
40°	34	29	24	22	18	14	13	12	10	9	9
37.5°	46	39	31	31	22	16	13	12	11	10	9
35°	64	51	45	43	33	19	14	12	11	10	9
32.5°	84	75	69	59	48	22	16	13	12	11	10
30°	123	118	101	75	64	35	18	14	13	11	10
27.5°	184	171	140	103	80	51	22	16	14	12	10
25°	249	227	191	138	96	68	25	17	14	12	11
22.5°	326	280	249	178	117	86	34	20	15	13	11
20°	398	331	311	217	146	102	48	23	17	14	11
17.5°	467	398	359	263	179	121	62	26	18	14	12
15°	597	493	415	309	209	141	75	29	19	15	12
12.5°	747	593	479	356	238	162	88	32	20	15	12
10°	902	696	550	401	265	184	100	36	21	16	12
7.5°	1059	801	624	445	294	217	127	43	23	16	12
5°	1202	899	702	513	351	261	157	49	25	17	12
2.5°	1291	985	777	580	406	304	187	56	27	17	12
0°	1366	1063	845	643	459	345	215	62	28	18	12
-2.5°	1367	1066	868	702	518	389	249	80	39	22	14
-5°	1356	1062	888	756	573	428	278	97	49	27	16
-7.5°	1383	1073	907	799	622	464	301	112	58	31	17
-10°	1401	1087	919	797	622	474	315	125	66	35	18
-12.5°	1395	1090	927	787	610	461	303	135	72	38	20
-15°	1363	1081	930	767	591	446	288	141	78	40	21
-17.5°	1283	1058	928	739	567	429	272	145	83	43	22
-20°	1163	1005	915	700	538	410	255	147	85	45	24



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1050	942	841	662	507	390	238	147	86	46	25
-25°	937	883	765	612	480	364	228	144	85	45	25
-27.5°	861	821	696	560	447	339	223	142	83	44	25
-30°	805	747	635	511	410	305	215	138	81	43	25
-32.5°	771	684	576	468	371	271	198	131	77	42	24
-35°	724	625	517	422	331	246	177	121	71	40	24
-37.5°	673	564	464	375	291	219	158	107	63	38	23
-40°	603	503	411	331	257	190	138	94	58	35	21
-42.5°	530	445	364	289	223	166	117	80	52	32	19
-45°	466	388	318	251	188	141	101	66	46	29	17
-47.5°	402	337	274	213	161	118	84	58	39	25	16
-50°	346	288	233	181	133	99	69	50	34	21	15
-52.5°	298	244	195	148	111	80	59	41	28	18	13
-55°	252	202	157	121	90	66	48	34	22	16	12
-57.5°	206	159	126	96	73	54	39	27	19	14	12
-60°	160	127	97	77	59	43	30	21	16	13	11
-62.5°	123	96	77	60	45	32	22	18	14	12	11
-65°	92	75	58	45	32	23	19	15	13	12	11
-67.5°	67	54	41	29	23	19	15	13	12	11	10
-70°	44	33	26	22	18	15	14	13	12	11	10
-72.5°	28	23	19	15	14	13	13	12	11	10	9
-75°	17	16	15	14	13	12	12	11	10	10	9
-77.5°	14	13	12	12	12	11	11	11	10	9	9
-80°	11	11	11	11	11	11	10	10	9	9	9
-82.5°	9	10	10	10	10	10	9	9	9	9	9
-85°	8	8	9	9	9	9	9	9	8	8	8
-87.5°	7	7	8	8	8	8	8	8	8	8	8
-90°	5	5	5	5	6	6	7	7	7	7	7



REPORT NUMBER: P731563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV2

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°	8	7	7	7	7	7	7
62.5°	8	8	7	7	7	7	7
60°	9	8	7	7	7	7	7
57.5°	9	8	7	7	7	7	7
55°	9	9	8	7	7	7	7
52.5°	9	9	8	7	7	7	7
50°	9	9	8	7	7	7	7
47.5°	9	9	8	7	7	7	7
45°	9	9	8	7	7	7	7
42.5°	9	9	9	7	7	7	7
40°	9	9	9	8	7	7	7
37.5°	9	9	9	8	7	7	7
35°	9	9	9	8	7	7	7
32.5°	9	9	9	8	7	7	7
30°	9	9	9	8	7	7	7
27.5°	9	9	9	8	7	7	7
25°	9	9	9	8	7	7	7
22.5°	10	9	9	8	7	7	7
20°	10	9	9	8	7	7	7
17.5°	10	9	9	8	7	7	7
15°	10	9	9	8	7	7	7
12.5°	10	9	9	8	7	7	7
10°	10	9	9	7	7	7	7
7.5°	11	9	9	7	7	7	7
5°	11	9	9	7	7	7	7
2.5°	11	9	9	7	7	7	7
0°	11	9	9	7	7	7	7
-2.5°	11	9	9	7	7	7	7
-5°	12	10	9	7	7	7	7
-7.5°	13	10	9	7	7	7	7
-10°	13	10	9	7	7	7	7
-12.5°	14	10	9	8	7	7	7
-15°	14	11	9	8	7	7	7
-17.5°	14	11	9	8	7	7	7
-20°	15	11	9	8	7	7	7



REPORT NUMBER: P731563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV2

CANDELA DISTRIBUTION (continued):

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

