

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: P731691 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-1S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731691 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
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-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

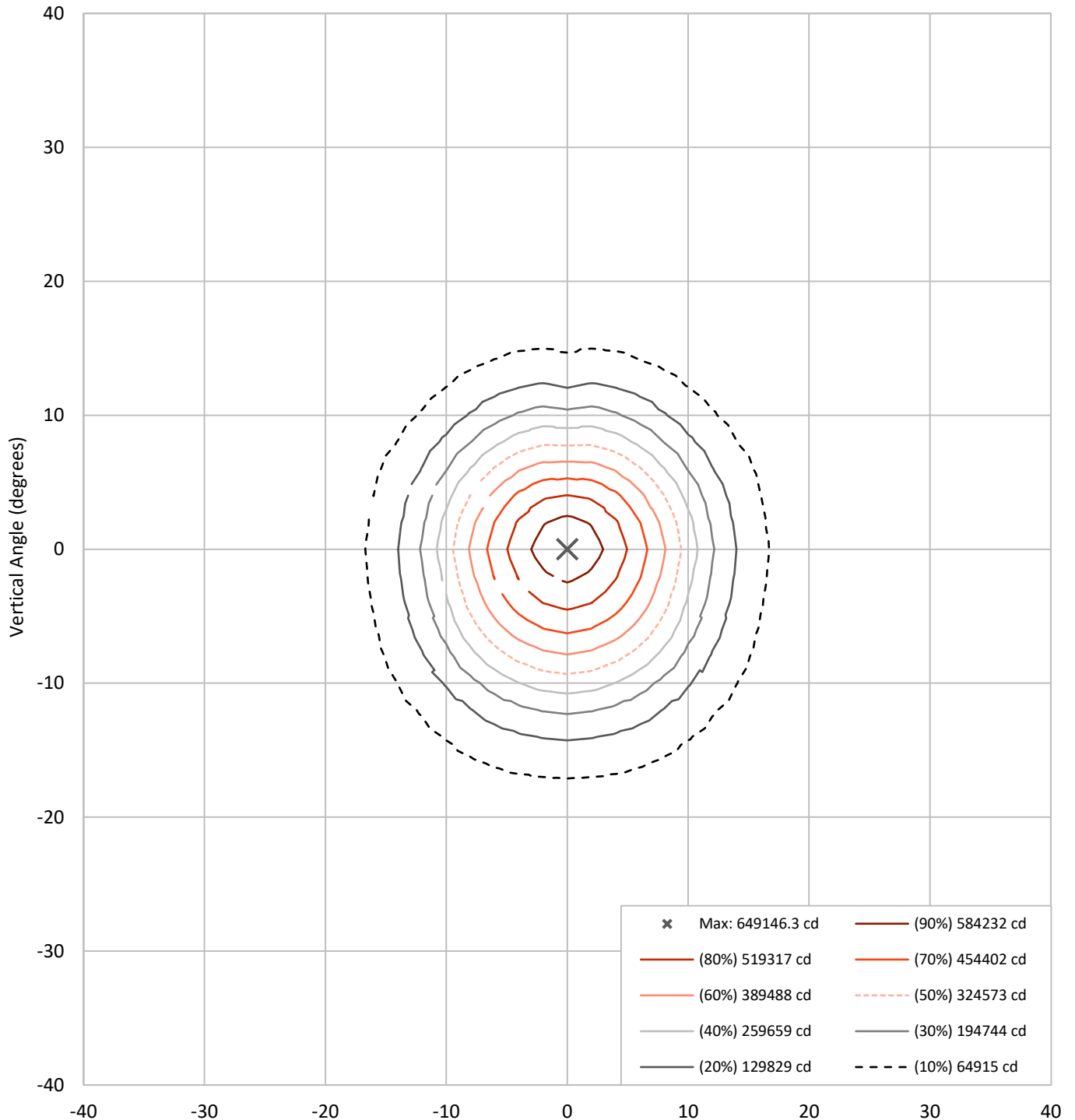
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	74841 lumens	Max Intensity:	649146.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	103.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	34473.5 lumens	Field Lumens:	63367.5 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

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





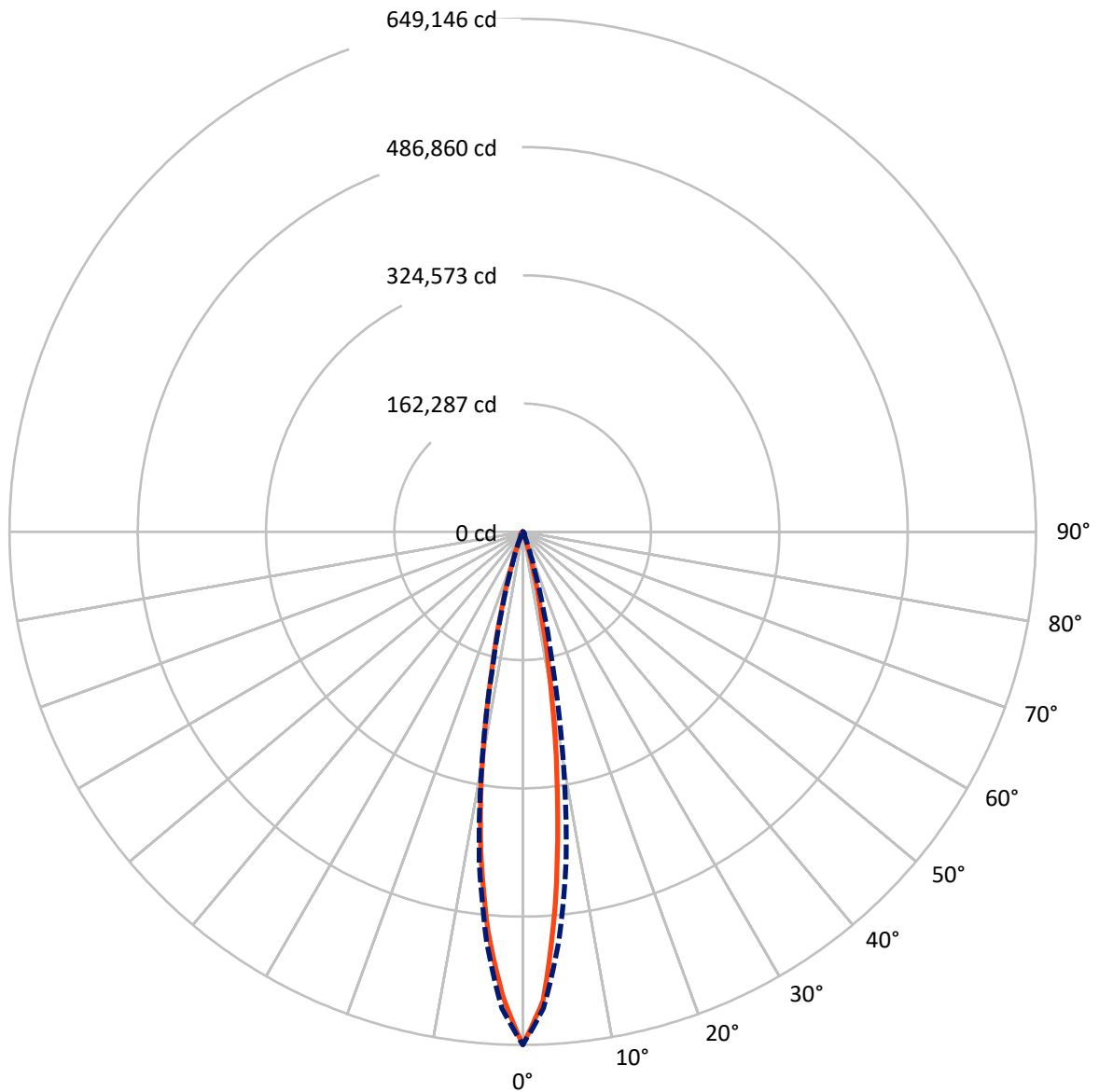
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Lumen Table

90	0.2	0.4	0.6	0.5	0.6	0.5	0.6	0.4	0.2										
80	0.2	0.4	0.6	0.5	0.6	0.5	0.6	0.4	0.2										
70	0.2	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.2			
60		0.1	0.3	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.3	0.1				
50	0.2	0.2	0.4	0.5	0.6	0.8	1.1	1.3	1.3	1.1	0.8	0.6	0.5	0.4	0.2	0.2			
40		0.2	0.8	1.6	3.6	5.7	6.0	6.9	6.9	6.0	5.7	3.6	1.6	0.8	0.2				
30	0.2	0.4	2.6	9.1	24.1	29.4	38.9	72.4	72.4	38.9	29.4	24.1	9.1	2.6	0.4	0.2			
20		0.9	5.8	23.6	51.5	72.4	494.2	1987.4	1987.4	494.2	72.4	51.5	23.6	5.8	0.9				
10	0.3	1.7	9.9	45.6	77.8	180.2	2582.3	11144.0	11144.0	2582.3	180.2	77.8	45.6	9.9	1.7	0.3			
0		2.8	13.1	53.7	89.9	178.9	2801.5	11927.1	11927.1	2801.5	178.9	89.9	53.7	13.1	2.8				
-10	0.5	3.2	13.5	50.5	95.7	112.4	812.6	3077.0	3077.0	812.6	112.4	95.7	50.5	13.5	3.2	0.5			
-20		3.0	11.8	27.9	73.0	90.5	110.4	204.1	204.1	110.4	90.5	73.0	27.9	11.8	3.0				
-30	0.4	2.6	8.9	16.4	40.6	77.1	92.2	95.6	95.6	92.2	77.1	40.6	16.4	8.9	2.6	0.4			
-40		1.7	6.1	12.9	20.8	37.7	68.9	95.1	95.1	68.9	37.7	20.8	12.9	6.1	1.7				
-50	0.3	0.8	3.5	8.7	15.9	22.7	28.2	31.5	31.5	28.2	22.7	15.9	8.7	3.5	0.8	0.3			
-60		0.3	1.2	4.0	8.5	13.8	19.3	22.8	22.8	19.3	13.8	8.5	4.0	1.2	0.3				
-70	0.2	1.0	3.1	7.5	11.1	7.5	3.1	1.0	0.2						0.2				
-80		1.0	3.1	7.5	11.1	7.5	3.1	1.0	0.2										
-90	0.2	1.0	3.1	7.5	11.1	7.5	3.1	1.0	0.2						0.2				

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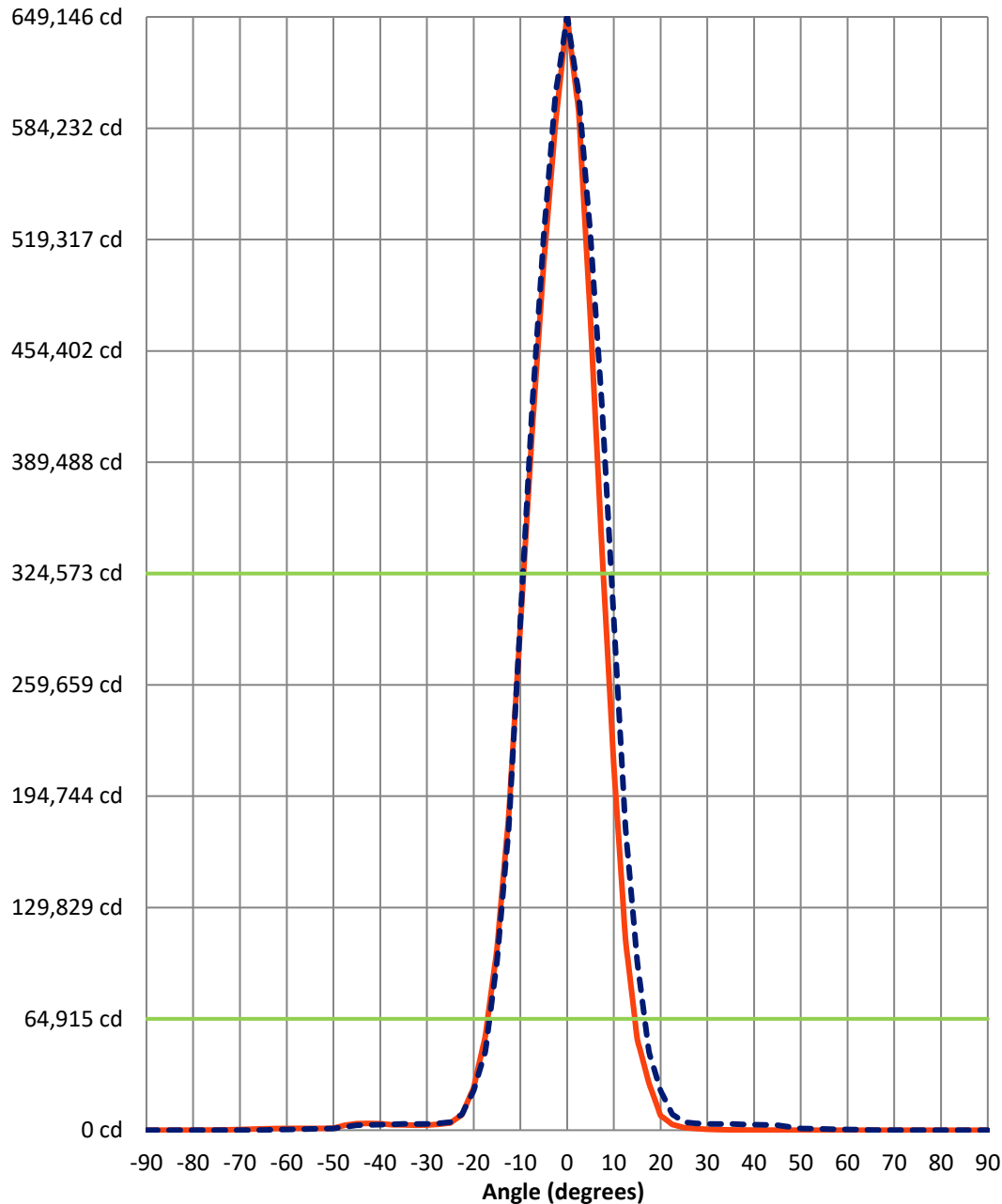
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 34473.5
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 63367.5
 Efficiency: 84.7%

Spill:
 Lumens: 11473.5
 Efficiency: 15.3%

— 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	8	8	8	8	9	9	10
87.5°	8	8	8	8	8	8	8	8	7	7	6
85°	8	8	8	8	8	8	8	8	7	7	6
82.5°	8	8	8	8	8	8	8	8	7	7	7
80°	8	8	8	8	8	8	8	8	8	7	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	8	8	8	8	8	8	8
67.5°	8	8	8	8	8	8	8	8	8	8	8
65°	8	8	8	8	8	8	8	8	8	9	8
62.5°	8	8	8	8	8	8	8	8	9	9	8
60°	8	8	8	8	8	8	8	9	9	9	8
57.5°	8	8	8	8	8	8	9	9	9	9	9
55°	8	8	8	8	8	9	9	10	9	9	9
52.5°	8	8	8	8	8	9	9	10	9	9	9
50°	8	8	8	8	9	9	9	10	10	9	10
47.5°	8	8	8	8	9	9	10	10	10	9	11
45°	8	8	8	8	9	9	10	10	10	10	12
42.5°	8	8	8	8	9	9	10	10	10	10	13
40°	8	8	8	8	9	10	10	10	10	11	14
37.5°	8	8	8	9	9	10	10	10	10	12	14
35°	8	8	8	9	10	10	10	10	11	13	15
32.5°	8	8	8	9	10	10	10	10	11	14	16
30°	8	8	8	9	10	10	10	11	12	16	19
27.5°	8	8	8	9	10	10	10	11	12	17	21
25°	8	8	8	9	10	10	10	11	14	19	24
22.5°	8	8	8	9	10	10	10	12	15	21	28
20°	8	8	8	9	10	10	11	12	17	24	32
17.5°	8	8	8	9	10	10	11	12	18	26	36
15°	8	8	8	9	10	10	11	13	19	28	39
12.5°	8	8	8	9	10	10	12	13	21	31	43
10°	8	8	8	10	10	10	12	14	22	34	48
7.5°	8	8	8	10	10	11	12	14	24	37	57
5°	8	8	8	10	10	11	12	15	25	40	66
2.5°	8	8	8	10	10	11	13	15	26	42	76
0°	8	8	8	10	10	11	13	16	27	45	84
-2.5°	8	8	8	10	10	11	14	19	34	58	107
-5°	8	8	8	10	10	12	14	22	41	71	128
-7.5°	8	8	8	10	10	12	15	25	47	82	148
-10°	8	8	8	10	10	12	16	28	53	93	165
-12.5°	8	8	8	10	10	12	16	30	57	102	178
-15°	8	8	8	9	10	12	17	31	63	112	188
-17.5°	8	8	8	9	10	12	17	34	68	120	196
-20°	8	8	8	9	10	12	17	36	73	126	201



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8	8	9	9	10	12	19	38	76	130	204
-25°	8	8	9	9	10	12	19	39	77	133	203
-27.5°	8	8	9	9	10	13	19	38	76	133	205
-30°	8	8	9	9	10	13	19	36	75	132	204
-32.5°	8	8	9	9	10	13	18	35	73	129	200
-35°	8	8	9	9	10	13	18	34	69	123	194
-37.5°	8	8	9	10	10	13	18	32	63	114	177
-40°	8	8	9	10	10	13	18	30	55	105	158
-42.5°	8	8	9	10	10	13	17	26	50	92	138
-45°	8	8	8	10	10	13	17	23	45	76	118
-47.5°	8	8	8	10	11	13	16	22	38	60	100
-50°	8	8	8	10	11	12	16	21	30	51	81
-52.5°	8	8	8	9	10	12	15	20	26	41	62
-55°	8	8	8	9	10	12	15	19	24	31	51
-57.5°	8	8	8	9	10	12	14	18	22	27	39
-60°	8	8	8	9	10	11	13	17	20	25	29
-62.5°	8	8	8	9	10	11	13	16	19	22	27
-65°	8	8	8	9	10	11	12	15	17	20	24
-67.5°	8	8	8	9	10	10	12	14	16	19	22
-70°	8	8	8	8	9	10	11	13	15	17	20
-72.5°	8	8	8	8	9	10	11	12	14	16	18
-75°	8	8	8	8	9	10	10	11	13	15	17
-77.5°	8	8	8	8	9	9	10	11	12	13	15
-80°	8	8	8	8	9	9	10	10	11	12	13
-82.5°	8	8	8	8	8	9	9	10	10	11	12
-85°	8	8	8	8	8	9	9	9	10	10	11
-87.5°	8	8	8	8	8	8	8	9	9	10	10
-90°	8	8	8	8	8	8	8	8	7	7	6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10	10	10	10	10	10	10	10	10	10	10
87.5°	6	6	6	6	6	6	5	5	5	5	5
85°	6	6	6	6	6	6	5	5	5	5	5
82.5°	7	7	7	6	6	6	5	5	5	5	5
80°	7	7	7	6	6	6	6	6	6	6	5
77.5°	8	7	7	7	6	7	7	6	6	6	5
75°	8	7	7	7	7	7	7	7	6	6	6
72.5°	8	8	8	8	8	7	7	7	7	8	8
70°	8	8	8	8	8	8	8	9	10	12	15
67.5°	8	8	8	8	8	8	10	16	23	26	27
65°	8	8	8	8	8	12	19	27	36	37	36
62.5°	8	8	8	9	13	19	26	35	45	45	40
60°	8	8	10	13	18	23	32	39	46	50	38
57.5°	8	9	13	17	21	26	31	38	41	42	31
55°	9	11	15	20	24	23	27	30	32	30	21
52.5°	11	13	18	22	24	22	21	23	22	19	16
50°	12	16	20	24	24	20	17	18	17	15	13
47.5°	14	18	23	26	23	20	18	17	16	16	14
45°	15	20	26	25	23	22	20	17	20	21	20
42.5°	16	21	26	25	27	26	24	25	27	28	29
40°	17	23	26	30	31	30	33	35	35	38	40
37.5°	18	24	29	38	35	38	43	48	51	48	54
35°	19	26	40	49	47	49	57	66	75	70	80
32.5°	20	29	53	61	70	71	72	97	116	125	130
30°	24	41	68	76	104	110	109	140	175	259	323
27.5°	29	56	82	105	146	156	171	206	315	474	655
25°	33	75	97	145	190	211	237	291	509	867	998
22.5°	44	97	121	191	240	269	315	446	748	1298	1333
20°	60	117	156	234	293	325	393	608	1014	1414	1570
17.5°	78	139	195	278	352	397	480	761	1221	1565	1749
15°	96	163	231	326	415	487	653	969	1364	1743	2007
12.5°	114	188	263	377	484	577	862	1311	1678	1982	2331
10°	132	214	293	430	555	666	1091	1680	2041	2310	2616
7.5°	175	253	327	484	627	753	1331	2063	2372	2591	2821
5°	223	306	391	563	706	836	1565	2442	2676	2834	2978
2.5°	271	357	453	641	785	913	1762	2690	2890	3041	3155
0°	316	405	513	714	858	984	1931	2899	3079	3231	3368
-2.5°	341	444	559	742	866	988	1799	2828	3097	3299	3504
-5°	361	480	601	766	872	989	1645	2705	3117	3369	3619
-7.5°	375	513	639	785	879	993	1637	2748	3242	3470	3715
-10°	381	525	646	789	888	997	1616	2728	3362	3575	3795
-12.5°	369	519	644	788	895	997	1534	2637	3482	3690	3834
-15°	355	511	637	781	901	992	1380	2470	3503	3637	3779
-17.5°	340	500	623	769	906	982	1137	2049	3142	3462	3689
-20°	326	486	603	751	907	949	1028	1645	2566	3212	3510



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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°	311	471	580	727	847	899	957	1270	1964	2889	3195
-25°	305	447	560	676	785	847	881	966	1469	2281	2845
-27.5°	302	426	528	627	732	791	817	880	1153	1694	2456
-30°	296	395	496	583	680	737	758	814	907	1299	1851
-32.5°	278	363	459	545	629	695	724	774	841	961	1357
-35°	256	335	422	506	583	655	705	742	787	848	1042
-37.5°	237	306	384	465	540	613	684	718	754	800	881
-40°	215	276	349	424	496	568	637	697	726	773	829
-42.5°	192	250	315	382	452	519	588	651	713	751	795
-45°	169	223	281	344	406	469	533	599	675	740	773
-47.5°	144	194	249	304	361	419	477	548	624	695	764
-50°	119	166	216	268	319	370	423	497	571	640	706
-52.5°	97	135	183	232	279	325	379	447	517	585	648
-55°	74	109	148	195	242	283	336	397	461	527	588
-57.5°	57	83	117	155	199	246	296	348	405	465	520
-60°	43	61	86	118	153	199	254	305	353	401	452
-62.5°	31	45	62	83	113	149	196	248	304	345	385
-65°	28	32	44	59	75	104	139	178	226	268	311
-67.5°	25	29	33	38	53	68	85	116	150	179	210
-70°	23	25	29	32	36	43	57	71	85	101	126
-72.5°	20	22	25	28	31	35	39	43	51	61	72
-75°	18	20	22	24	26	29	32	35	38	41	44
-77.5°	16	17	18	20	21	23	25	28	30	32	34
-80°	14	14	15	16	17	19	20	21	22	24	25
-82.5°	12	12	13	13	14	15	16	17	17	18	19
-85°	11	10	10	10	11	12	12	13	13	14	14
-87.5°	10	10	10	10	10	10	10	11	11	11	11
-90°	6	6	6	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°	10	10	10	11	11	12	13	14	14	20	26
87.5°	5	4	4	4	3	3	2	2	2	2	2
85°	5	4	4	4	3	3	2	2	2	2	2
82.5°	5	4	4	4	3	3	2	2	2	2	2
80°	5	4	4	4	3	3	3	3	3	3	2
77.5°	5	5	5	4	4	4	4	4	3	3	2
75°	6	6	6	6	5	5	4	4	3	3	3
72.5°	9	9	8	8	7	7	6	6	6	6	6
70°	16	17	16	14	12	11	10	9	8	8	8
67.5°	26	24	22	20	17	14	13	12	11	11	11
65°	32	26	22	19	17	15	14	12	11	10	10
62.5°	32	23	19	17	15	14	12	10	8	7	7
60°	28	19	14	12	11	10	9	8	7	6	7
57.5°	21	14	10	9	9	8	8	8	7	6	7
55°	15	11	10	10	10	10	9	9	8	7	8
52.5°	12	12	12	12	11	10	10	9	10	10	10
50°	13	13	13	13	12	12	11	12	12	13	13
47.5°	15	15	16	14	14	15	15	15	18	20	22
45°	19	21	22	22	22	24	25	26	33	35	35
42.5°	29	33	35	38	36	42	51	58	56	54	55
40°	44	51	60	65	71	78	81	70	68	77	78
37.5°	68	85	105	120	122	119	115	113	116	122	130
35°	111	152	171	180	186	168	162	168	163	179	184
32.5°	197	250	266	273	287	270	230	277	259	257	274
30°	312	387	451	455	445	442	465	471	450	450	520
27.5°	598	615	728	779	651	661	722	689	765	839	896
25°	947	961	1159	1128	993	1031	1067	1060	1148	1236	1336
22.5°	1268	1325	1487	1445	1385	1402	1435	1499	1618	1797	2263
20°	1523	1561	1640	1676	1679	1712	1816	1996	2364	3571	5029
17.5°	1770	1712	1807	1869	1936	2056	2300	3034	4809	8469	12054
15°	2128	2093	2037	2122	2308	2554	3122	5808	11838	18699	25832
12.5°	2518	2471	2394	2466	2749	3186	5859	12665	22304	34604	58565
10°	2829	2808	2760	2913	3282	4599	9333	20043	34374	62909	97790
7.5°	3020	3010	3051	3300	3804	6717	15257	30170	55354	94967	153522
5°	3228	3213	3279	3581	4177	8074	19884	39267	76772	131578	216612
2.5°	3451	3417	3485	3829	4469	8376	20923	41991	89486	159800	273729
0°	3676	3606	3642	3987	4687	9363	23076	45919	98474	176128	297298
-2.5°	3694	3575	3612	3930	4601	8061	20035	42300	93592	163877	272256
-5°	3725	3570	3560	3839	4477	7355	16998	38687	82690	144210	238126
-7.5°	3783	3600	3511	3718	4282	6393	13867	32205	66896	117619	185675
-10°	3878	3681	3537	3627	4035	5214	9175	23408	50637	88678	134809
-12.5°	3995	3904	3687	3562	3786	4425	7212	17489	35577	56103	89755
-15°	4049	4083	3927	3678	3692	4088	5044	9576	22332	37246	53847
-17.5°	3975	4138	3957	3671	3555	3789	4237	5898	10320	19899	29635
-20°	3760	3813	3776	3605	3483	3496	3717	4148	5010	8146	11593



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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°	3361	3395	3386	3513	3376	3315	3363	3530	3798	4205	5345
-25°	3021	3007	3085	3298	3331	3183	3144	3157	3309	3489	3739
-27.5°	2697	2795	2968	3184	3277	3178	3052	2970	3044	3100	3213
-30°	2425	2679	2860	3057	3198	3182	3060	3020	2985	2945	2973
-32.5°	1993	2539	2726	2887	3057	3127	3126	3109	3124	3092	3018
-35°	1549	2137	2623	2712	2822	2986	3111	3131	3149	3149	3131
-37.5°	1111	1658	2150	2512	2641	2761	2994	3119	3160	3224	3248
-40°	911	1075	1567	2009	2308	2670	2912	3138	3370	3505	3582
-42.5°	851	920	992	1332	1757	2155	2535	2964	3294	3550	3805
-45°	808	852	900	967	1034	1371	1758	2146	2511	2879	3232
-47.5°	791	807	841	879	923	982	1038	1125	1426	1724	2043
-50°	764	804	818	832	868	903	929	966	1002	1025	1055
-52.5°	706	757	802	842	866	886	903	933	962	986	1003
-55°	646	699	750	800	847	892	931	952	974	996	1005
-57.5°	575	632	687	739	790	840	884	923	962	997	1019
-60°	502	550	605	663	716	765	814	860	903	939	962
-62.5°	430	476	521	573	631	687	731	776	821	860	889
-65°	352	390	427	466	507	552	599	644	689	727	755
-67.5°	246	282	316	350	381	412	446	480	513	543	568
-70°	150	172	192	213	239	265	291	316	338	356	371
-72.5°	81	90	99	115	130	145	161	176	190	203	214
-75°	46	50	57	63	68	75	82	89	96	102	108
-77.5°	36	38	40	42	43	46	48	51	54	59	64
-80°	27	28	29	31	32	33	35	37	38	40	42
-82.5°	20	20	21	21	22	23	24	25	26	28	31
-85°	14	14	15	15	15	16	16	17	17	19	21
-87.5°	11	11	11	11	11	12	12	12	13	15	17
-90°	5	4	4	4	3	3	2	2	2	1	1



REPORT NUMBER: P731691 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	32	38	44	49	44	38	32	26	20	14	14
87.5°	2	2	1	0	1	2	2	2	2	2	2
85°	2	2	2	2	2	2	2	2	2	2	2
82.5°	2	2	2	2	2	2	2	2	2	2	2
80°	2	2	2	2	2	2	2	2	3	3	3
77.5°	2	2	2	2	2	2	2	2	3	3	4
75°	3	3	3	3	3	3	3	3	3	3	4
72.5°	6	6	6	6	6	6	6	6	6	6	6
70°	9	9	10	11	10	9	9	8	8	8	9
67.5°	11	11	10	8	10	11	11	11	11	11	12
65°	10	10	9	8	9	10	10	10	10	11	12
62.5°	8	8	8	8	8	8	8	7	7	8	10
60°	7	6	6	6	6	6	7	7	6	7	8
57.5°	7	8	8	8	8	8	7	7	6	7	8
55°	8	8	9	10	9	8	8	8	7	8	9
52.5°	11	11	11	11	11	11	11	10	10	10	9
50°	14	14	14	14	14	14	14	13	13	12	12
47.5°	23	23	24	26	24	23	23	22	20	18	15
45°	36	37	39	42	39	37	36	35	35	33	26
42.5°	58	59	61	64	61	59	58	55	54	56	58
40°	79	80	81	85	81	80	79	78	77	68	70
37.5°	134	129	123	136	123	129	134	130	122	116	113
35°	183	186	192	201	192	186	183	184	179	163	168
32.5°	278	293	300	309	300	293	278	274	257	259	277
30°	553	552	507	515	507	552	553	520	450	450	471
27.5°	915	926	921	944	921	926	915	896	839	765	689
25°	1424	1472	1462	1509	1462	1472	1424	1336	1236	1148	1060
22.5°	2836	3055	3052	3344	3052	3055	2836	2263	1797	1618	1499
20°	7574	9072	8455	8569	8455	9072	7574	5029	3571	2364	1996
17.5°	17466	22543	24748	27503	24748	22543	17466	12054	8469	4809	3034
15°	39871	53398	60164	53258	60164	53398	39871	25832	18699	11838	5808
12.5°	83479	107229	123646	111047	123646	107229	83479	58565	34604	22304	12665
10°	144217	187965	224120	212204	224120	187965	144217	97790	62909	34374	20043
7.5°	221710	292382	336492	336165	336492	292382	221710	153522	94967	55354	30170
5°	318973	409394	465559	472332	465559	409394	318973	216612	131578	76772	39267
2.5°	390990	489023	565714	593375	565714	489023	390990	273729	159800	89486	41991
0°	420393	521459	603438	649146	603438	521459	420393	297298	176128	98474	45919
-2.5°	397289	490635	558249	586568	558249	490635	397289	272256	163877	93592	42300
-5°	346887	434797	486956	505478	486956	434797	346887	238126	144210	82690	38687
-7.5°	271458	345048	390073	406336	390073	345048	271458	185675	117619	66896	32205
-10°	187986	242686	281777	293903	281777	242686	187986	134809	88678	50637	23408
-12.5°	121129	153583	175241	183129	175241	153583	121129	89755	56103	35577	17489
-15°	73690	91760	102249	105783	102249	91760	73690	53847	37246	22332	9576
-17.5°	40603	49324	52530	54786	52530	49324	40603	29635	19899	10320	5898
-20°	18190	21976	23834	24787	23834	21976	18190	11593	8146	5010	4148



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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°	7014	8119	8617	9026	8617	8119	7014	5345	4205	3798	3530
-25°	3957	4110	4180	4226	4180	4110	3957	3739	3489	3309	3157
-27.5°	3293	3381	3442	3432	3442	3381	3293	3213	3100	3044	2970
-30°	2976	3003	3026	3008	3026	3003	2976	2973	2945	2985	3020
-32.5°	2967	2939	2923	2918	2923	2939	2967	3018	3092	3124	3109
-35°	3111	3098	3090	3095	3090	3098	3111	3131	3149	3149	3131
-37.5°	3251	3232	3204	3182	3204	3232	3251	3248	3224	3160	3119
-40°	3597	3664	3749	3795	3749	3664	3597	3582	3505	3370	3138
-42.5°	3881	3930	3952	3950	3952	3930	3881	3805	3550	3294	2964
-45°	3499	3695	3800	3821	3800	3695	3499	3232	2879	2511	2146
-47.5°	2388	2706	2892	2917	2892	2706	2388	2043	1724	1426	1125
-50°	1097	1139	1155	1143	1155	1139	1097	1055	1025	1002	966
-52.5°	1019	1035	1044	1046	1044	1035	1019	1003	986	962	933
-55°	1013	1022	1028	1033	1028	1022	1013	1005	996	974	952
-57.5°	1040	1059	1068	1072	1068	1059	1040	1019	997	962	923
-60°	982	1001	1008	1009	1008	1001	982	962	939	903	860
-62.5°	916	940	950	952	950	940	916	889	860	821	776
-65°	779	800	802	796	802	800	779	755	727	689	644
-67.5°	591	611	612	606	612	611	591	568	543	513	480
-70°	383	392	394	392	394	392	383	371	356	338	316
-72.5°	224	232	231	227	231	232	224	214	203	190	176
-75°	114	118	120	121	120	118	114	108	102	96	89
-77.5°	69	74	76	76	76	74	69	64	59	54	51
-80°	44	46	46	46	46	46	44	42	40	38	37
-82.5°	33	35	36	37	36	35	33	31	28	26	25
-85°	23	25	26	27	26	25	23	21	19	17	17
-87.5°	19	21	22	22	22	21	19	17	15	13	12
-90°	0	0	0	0	0	0	0	1	1	2	2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13	12	11	11	10	10	10	10	10	10	10
87.5°	2	3	3	4	4	4	5	5	5	5	5
85°	2	3	3	4	4	4	5	5	5	5	5
82.5°	2	3	3	4	4	4	5	5	5	5	5
80°	3	3	3	4	4	4	5	5	6	6	6
77.5°	4	4	4	4	5	5	5	5	6	6	6
75°	4	5	5	6	6	6	6	6	6	6	7
72.5°	6	7	7	8	8	9	9	8	8	7	7
70°	10	11	12	14	16	17	16	15	12	10	9
67.5°	13	14	17	20	22	24	26	27	26	23	16
65°	14	15	17	19	22	26	32	36	37	36	27
62.5°	12	14	15	17	19	23	32	40	45	45	35
60°	9	10	11	12	14	19	28	38	50	46	39
57.5°	8	8	9	9	10	14	21	31	42	41	38
55°	9	10	10	10	10	11	15	21	30	32	30
52.5°	10	10	11	12	12	12	12	16	19	22	23
50°	11	12	12	13	13	13	13	13	15	17	18
47.5°	15	15	14	14	16	15	15	14	16	16	17
45°	25	24	22	22	22	21	19	20	21	20	17
42.5°	51	42	36	38	35	33	29	29	28	27	25
40°	81	78	71	65	60	51	44	40	38	35	35
37.5°	115	119	122	120	105	85	68	54	48	51	48
35°	162	168	186	180	171	152	111	80	70	75	66
32.5°	230	270	287	273	266	250	197	130	125	116	97
30°	465	442	445	455	451	387	312	323	259	175	140
27.5°	722	661	651	779	728	615	598	655	474	315	206
25°	1067	1031	993	1128	1159	961	947	998	867	509	291
22.5°	1435	1402	1385	1445	1487	1325	1268	1333	1298	748	446
20°	1816	1712	1679	1676	1640	1561	1523	1570	1414	1014	608
17.5°	2300	2056	1936	1869	1807	1712	1770	1749	1565	1221	761
15°	3122	2554	2308	2122	2037	2093	2128	2007	1743	1364	969
12.5°	5859	3186	2749	2466	2394	2471	2518	2331	1982	1678	1311
10°	9333	4599	3282	2913	2760	2808	2829	2616	2310	2041	1680
7.5°	15257	6717	3804	3300	3051	3010	3020	2821	2591	2372	2063
5°	19884	8074	4177	3581	3279	3213	3228	2978	2834	2676	2442
2.5°	20923	8376	4469	3829	3485	3417	3451	3155	3041	2890	2690
0°	23076	9363	4687	3987	3642	3606	3676	3368	3231	3079	2899
-2.5°	20035	8061	4601	3930	3612	3575	3694	3504	3299	3097	2828
-5°	16998	7355	4477	3839	3560	3570	3725	3619	3369	3117	2705
-7.5°	13867	6393	4282	3718	3511	3600	3783	3715	3470	3242	2748
-10°	9175	5214	4035	3627	3537	3681	3878	3795	3575	3362	2728
-12.5°	7212	4425	3786	3562	3687	3904	3995	3834	3690	3482	2637
-15°	5044	4088	3692	3678	3927	4083	4049	3779	3637	3503	2470
-17.5°	4237	3789	3555	3671	3957	4138	3975	3689	3462	3142	2049
-20°	3717	3496	3483	3605	3776	3813	3760	3510	3212	2566	1645



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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°	3363	3315	3376	3513	3386	3395	3361	3195	2889	1964	1270
-25°	3144	3183	3331	3298	3085	3007	3021	2845	2281	1469	966
-27.5°	3052	3178	3277	3184	2968	2795	2697	2456	1694	1153	880
-30°	3060	3182	3198	3057	2860	2679	2425	1851	1299	907	814
-32.5°	3126	3127	3057	2887	2726	2539	1993	1357	961	841	774
-35°	3111	2986	2822	2712	2623	2137	1549	1042	848	787	742
-37.5°	2994	2761	2641	2512	2150	1658	1111	881	800	754	718
-40°	2912	2670	2308	2009	1567	1075	911	829	773	726	697
-42.5°	2535	2155	1757	1332	992	920	851	795	751	713	651
-45°	1758	1371	1034	967	900	852	808	773	740	675	599
-47.5°	1038	982	923	879	841	807	791	764	695	624	548
-50°	929	903	868	832	818	804	764	706	640	571	497
-52.5°	903	886	866	842	802	757	706	648	585	517	447
-55°	931	892	847	800	750	699	646	588	527	461	397
-57.5°	884	840	790	739	687	632	575	520	465	405	348
-60°	814	765	716	663	605	550	502	452	401	353	305
-62.5°	731	687	631	573	521	476	430	385	345	304	248
-65°	599	552	507	466	427	390	352	311	268	226	178
-67.5°	446	412	381	350	316	282	246	210	179	150	116
-70°	291	265	239	213	192	172	150	126	101	85	71
-72.5°	161	145	130	115	99	90	81	72	61	51	43
-75°	82	75	68	63	57	50	46	44	41	38	35
-77.5°	48	46	43	42	40	38	36	34	32	30	28
-80°	35	33	32	31	29	28	27	25	24	22	21
-82.5°	24	23	22	21	21	20	20	19	18	17	17
-85°	16	16	15	15	15	14	14	14	14	13	13
-87.5°	12	12	11	11	11	11	11	11	11	11	11
-90°	2	3	3	4	4	4	5	5	5	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°	10	10	10	10	10	10	10	10	9	9	8
87.5°	5	6	6	6	6	6	6	6	7	7	8
85°	5	6	6	6	6	6	6	6	7	7	8
82.5°	5	6	6	6	7	7	7	7	7	7	8
80°	6	6	6	6	7	7	7	8	7	8	8
77.5°	7	7	6	7	7	7	8	8	8	8	8
75°	7	7	7	7	7	7	8	8	8	8	8
72.5°	7	7	8	8	8	8	8	8	8	8	8
70°	8	8	8	8	8	8	8	8	8	8	8
67.5°	10	8	8	8	8	8	8	8	8	8	8
65°	19	12	8	8	8	8	8	8	9	8	8
62.5°	26	19	13	9	8	8	8	8	9	9	8
60°	32	23	18	13	10	8	8	8	9	9	9
57.5°	31	26	21	17	13	9	8	9	9	9	9
55°	27	23	24	20	15	11	9	9	9	9	10
52.5°	21	22	24	22	18	13	11	9	9	9	10
50°	17	20	24	24	20	16	12	10	9	10	10
47.5°	18	20	23	26	23	18	14	11	9	10	10
45°	20	22	23	25	26	20	15	12	10	10	10
42.5°	24	26	27	25	26	21	16	13	10	10	10
40°	33	30	31	30	26	23	17	14	11	10	10
37.5°	43	38	35	38	29	24	18	14	12	10	10
35°	57	49	47	49	40	26	19	15	13	11	10
32.5°	72	71	70	61	53	29	20	16	14	11	10
30°	109	110	104	76	68	41	24	19	16	12	11
27.5°	171	156	146	105	82	56	29	21	17	12	11
25°	237	211	190	145	97	75	33	24	19	14	11
22.5°	315	269	240	191	121	97	44	28	21	15	12
20°	393	325	293	234	156	117	60	32	24	17	12
17.5°	480	397	352	278	195	139	78	36	26	18	12
15°	653	487	415	326	231	163	96	39	28	19	13
12.5°	862	577	484	377	263	188	114	43	31	21	13
10°	1091	666	555	430	293	214	132	48	34	22	14
7.5°	1331	753	627	484	327	253	175	57	37	24	14
5°	1565	836	706	563	391	306	223	66	40	25	15
2.5°	1762	913	785	641	453	357	271	76	42	26	15
0°	1931	984	858	714	513	405	316	84	45	27	16
-2.5°	1799	988	866	742	559	444	341	107	58	34	19
-5°	1645	989	872	766	601	480	361	128	71	41	22
-7.5°	1637	993	879	785	639	513	375	148	82	47	25
-10°	1616	997	888	789	646	525	381	165	93	53	28
-12.5°	1534	997	895	788	644	519	369	178	102	57	30
-15°	1380	992	901	781	637	511	355	188	112	63	31
-17.5°	1137	982	906	769	623	500	340	196	120	68	34
-20°	1028	949	907	751	603	486	326	201	126	73	36



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	957	899	847	727	580	471	311	204	130	76	38
-25°	881	847	785	676	560	447	305	203	133	77	39
-27.5°	817	791	732	627	528	426	302	205	133	76	38
-30°	758	737	680	583	496	395	296	204	132	75	36
-32.5°	724	695	629	545	459	363	278	200	129	73	35
-35°	705	655	583	506	422	335	256	194	123	69	34
-37.5°	684	613	540	465	384	306	237	177	114	63	32
-40°	637	568	496	424	349	276	215	158	105	55	30
-42.5°	588	519	452	382	315	250	192	138	92	50	26
-45°	533	469	406	344	281	223	169	118	76	45	23
-47.5°	477	419	361	304	249	194	144	100	60	38	22
-50°	423	370	319	268	216	166	119	81	51	30	21
-52.5°	379	325	279	232	183	135	97	62	41	26	20
-55°	336	283	242	195	148	109	74	51	31	24	19
-57.5°	296	246	199	155	117	83	57	39	27	22	18
-60°	254	199	153	118	86	61	43	29	25	20	17
-62.5°	196	149	113	83	62	45	31	27	22	19	16
-65°	139	104	75	59	44	32	28	24	20	17	15
-67.5°	85	68	53	38	33	29	25	22	19	16	14
-70°	57	43	36	32	29	25	23	20	17	15	13
-72.5°	39	35	31	28	25	22	20	18	16	14	12
-75°	32	29	26	24	22	20	18	17	15	13	11
-77.5°	25	23	21	20	18	17	16	15	13	12	11
-80°	20	19	17	16	15	14	14	13	12	11	10
-82.5°	16	15	14	13	13	12	12	12	11	10	10
-85°	12	12	11	10	10	10	11	11	10	10	9
-87.5°	10	10	10	10	10	10	10	10	10	9	9
-90°	5	6	6	6	6	6	6	6	7	7	8



REPORT NUMBER: P731691 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P731691 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

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

