

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: P731595 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-1S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731595 (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-40-70-1S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

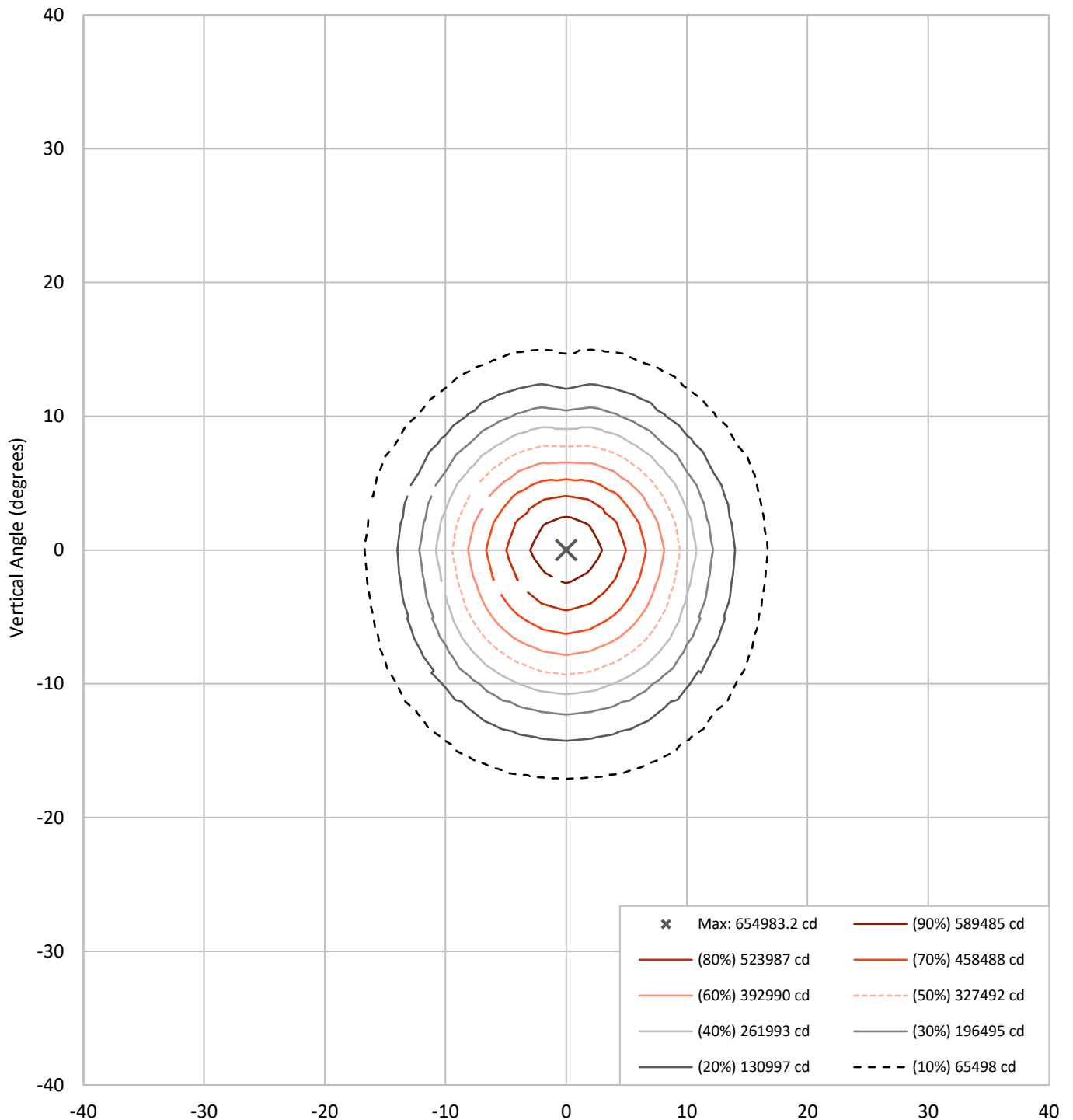
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	75513.9 lumens	Max Intensity:	654983.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.3 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:	34783.5 lumens	Field Lumens:	63937.3 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





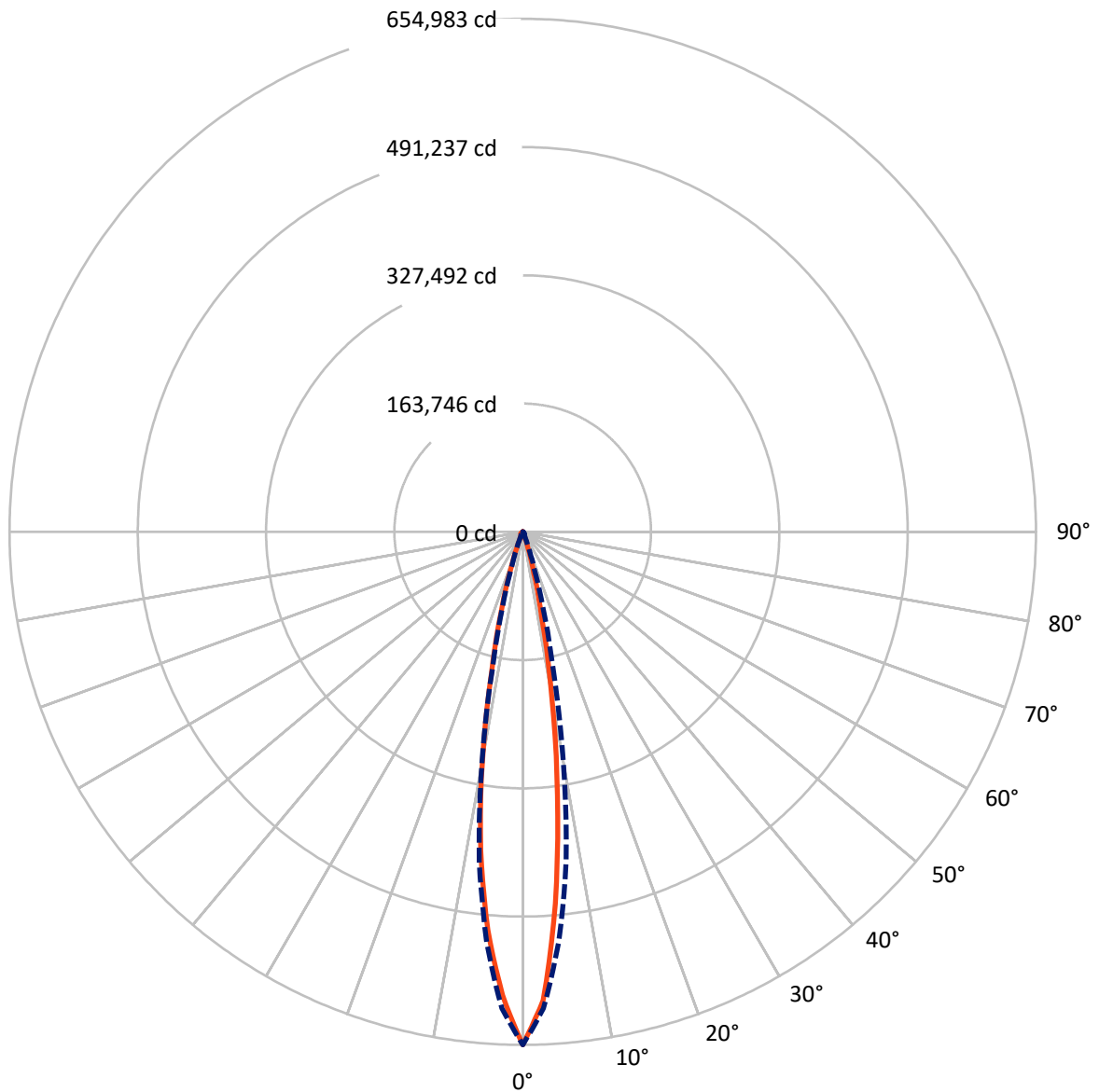
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Lumen Table

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	6.1	7.0	7.0	6.1	5.7	3.6	1.6	0.8	0.2			
30	0.2	0.4	2.7	9.2	24.4	29.7	39.2	73.1	73.1	39.2	29.7	24.4	9.2	2.7	0.4	0.2		
20		0.9	5.9	23.8	52.0	73.0	498.6	2005.2	2005.2	498.6	73.0	52.0	23.8	5.9	0.9			
10	0.3	1.7	10.0	46.0	78.5	181.9	2605.5	11244.2	11244.2	2605.5	181.9	78.5	46.0	10.0	1.7	0.3		
0		2.8	13.2	54.2	90.7	180.5	2826.7	12034.4	12034.4	2826.7	180.5	90.7	54.2	13.2	2.8			
-10	0.5	3.2	13.6	50.9	96.5	113.4	819.9	3104.6	3104.6	819.9	113.4	96.5	50.9	13.6	3.2	0.5		
-20		3.1	11.9	28.2	73.6	91.3	111.4	205.9	205.9	111.4	91.3	73.6	28.2	11.9	3.1			
-30	0.4	2.6	8.9	16.5	41.0	77.8	93.0	96.4	96.4	93.0	77.8	41.0	16.5	8.9	2.6	0.4		
-40		1.7	6.2	13.1	21.0	38.0	69.5	96.0	96.0	69.5	38.0	21.0	13.1	6.2	1.7			
-50	0.3	0.8	3.5	8.8	16.1	22.9	28.4	31.8	31.8	28.4	22.9	16.1	8.8	3.5	0.8	0.3		
-60		0.3	1.2	4.0	8.5	13.9	19.5	23.0	23.0	19.5	13.9	8.5	4.0	1.2	0.3			
-70	0.2	1.0	3.1	7.6	11.2	7.6	3.1	1.0	0.2						0.2			
-80		1.0	3.1	7.6	11.2	7.6	3.1	1.0	0.2									
-90	0.2	1.0	3.1	7.6	11.2	7.6	3.1	1.0	0.2						0.2			

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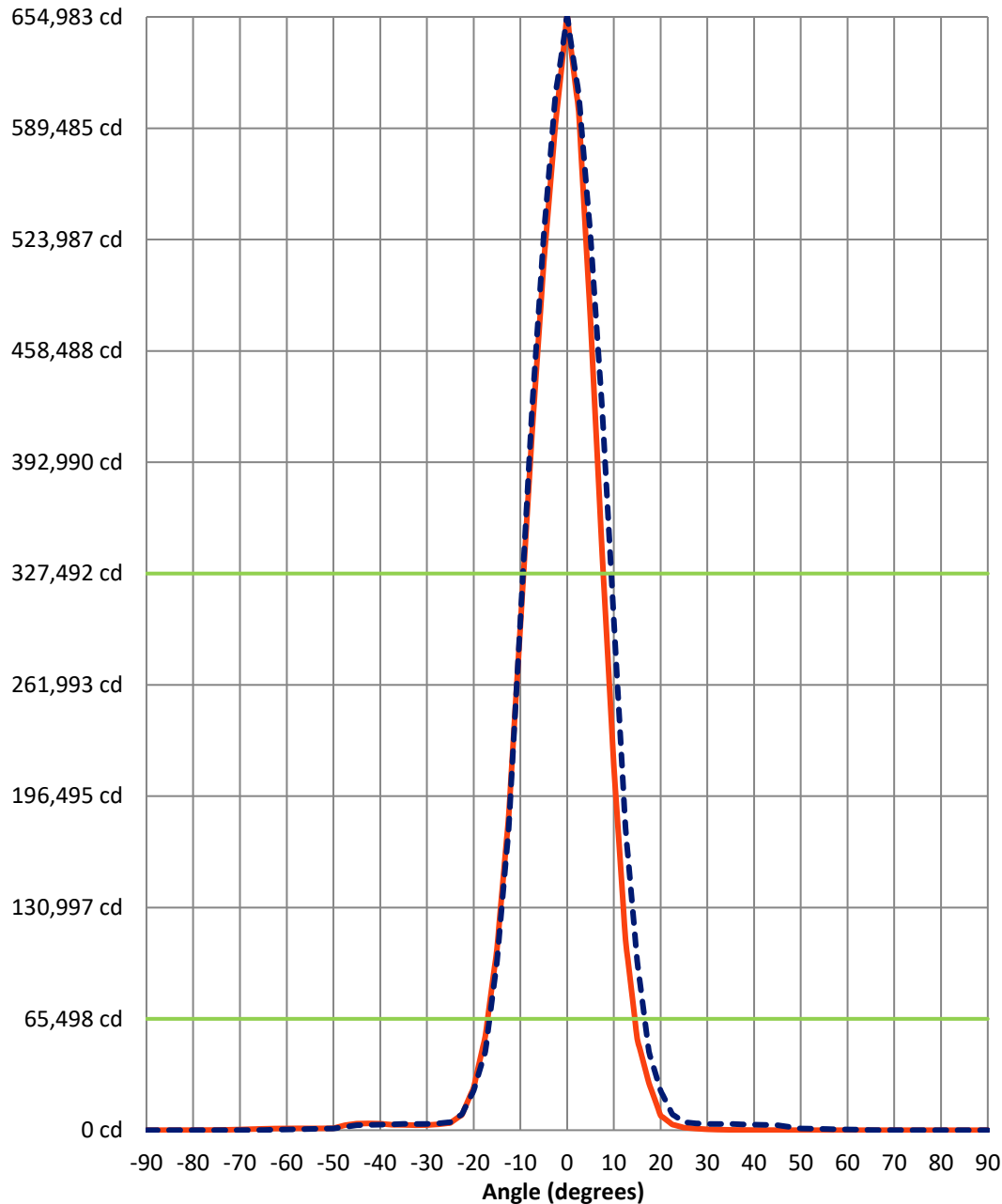
Luminous Intensity Polar Plot



— 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: 34783.5
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 63937.3
 Efficiency: 84.7%

Spill:
 Lumens: 11576.6
 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	9
57.5°	8	8	8	8	8	9	9	9	9	9	9
55°	8	8	8	8	8	9	9	10	9	9	9
52.5°	8	8	8	8	9	9	9	10	10	9	9
50°	8	8	8	8	9	9	10	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	10	10	10	10	11	13
40°	8	8	8	9	9	10	10	10	10	11	14
37.5°	8	8	8	9	10	10	10	10	11	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	17
30°	8	8	8	9	10	10	10	11	12	16	19
27.5°	8	8	8	9	10	10	10	11	13	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	22	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	10	10	10	11	13	20	29	40
12.5°	8	8	8	10	10	10	12	13	21	31	43
10°	8	8	8	10	10	11	12	14	23	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	67
2.5°	8	8	8	10	10	11	13	16	26	43	76
0°	8	8	8	10	10	11	13	16	27	45	85
-2.5°	8	8	8	10	10	11	14	19	35	59	108
-5°	8	8	8	10	10	12	15	22	41	71	129
-7.5°	8	8	8	10	10	12	15	25	48	83	149
-10°	8	8	8	10	10	12	16	28	53	94	166
-12.5°	8	8	8	10	10	12	16	30	58	103	179
-15°	8	8	8	10	10	12	17	31	63	113	190
-17.5°	8	8	8	10	10	12	17	34	69	121	198
-20°	8	8	9	10	11	12	18	37	73	127	203



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-1S-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	10	11	12	19	38	76	132	205
-25°	8	8	9	10	11	13	19	39	77	134	205
-27.5°	8	8	9	10	11	13	19	38	77	135	207
-30°	8	8	9	10	10	13	19	36	76	134	206
-32.5°	8	8	9	10	11	13	18	36	73	130	202
-35°	8	8	9	10	11	13	18	35	70	124	196
-37.5°	8	8	9	10	11	13	18	33	64	115	178
-40°	8	8	9	10	11	13	18	30	56	106	160
-42.5°	8	8	9	10	11	13	18	26	50	92	140
-45°	8	8	8	10	11	13	17	23	45	77	119
-47.5°	8	8	8	10	11	13	16	22	38	61	101
-50°	8	8	8	10	11	13	16	21	30	52	82
-52.5°	8	8	8	10	11	12	15	20	26	42	63
-55°	8	8	8	9	11	12	15	19	24	32	51
-57.5°	8	8	8	9	10	12	14	18	22	27	39
-60°	8	8	8	9	10	12	14	17	20	25	30
-62.5°	8	8	8	9	10	11	13	16	19	22	27
-65°	8	8	8	9	10	11	13	15	18	21	24
-67.5°	8	8	8	9	10	11	12	14	16	19	22
-70°	8	8	8	8	9	10	11	13	15	18	20
-72.5°	8	8	8	8	9	10	11	12	14	16	18
-75°	8	8	8	8	9	10	10	12	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	11	11	12
-85°	8	8	8	8	8	9	9	9	10	11	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	9	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	27	36	46	46	40
60°	8	8	10	13	18	24	32	39	47	50	38
57.5°	8	9	13	17	22	26	31	38	42	42	31
55°	9	11	15	20	24	24	27	31	32	30	21
52.5°	11	13	18	23	24	22	21	23	23	19	16
50°	12	16	21	24	24	20	17	18	17	15	13
47.5°	14	18	23	26	23	21	18	17	16	16	15
45°	15	20	26	26	24	23	20	18	20	21	20
42.5°	16	22	26	25	27	26	24	26	27	28	29
40°	18	23	26	30	31	31	33	36	36	38	40
37.5°	18	24	30	39	36	39	44	48	51	49	55
35°	19	26	40	50	47	49	58	67	76	70	80
32.5°	20	29	54	62	71	72	73	98	118	126	131
30°	24	42	68	76	105	111	110	141	177	261	326
27.5°	29	57	82	106	147	157	172	208	317	478	661
25°	34	76	97	147	192	213	239	293	514	875	1007
22.5°	44	98	122	193	242	271	318	450	755	1310	1345
20°	61	118	158	236	296	328	396	613	1023	1427	1584
17.5°	79	141	197	280	355	401	485	768	1232	1579	1764
15°	97	165	233	329	419	492	659	977	1377	1759	2025
12.5°	115	190	266	381	488	582	869	1323	1693	2000	2352
10°	133	216	296	434	560	672	1101	1695	2060	2331	2639
7.5°	176	256	330	488	633	760	1343	2081	2393	2614	2847
5°	225	309	394	568	712	844	1579	2464	2700	2860	3004
2.5°	273	360	457	647	792	921	1778	2714	2916	3068	3183
0°	319	409	518	721	866	993	1949	2925	3107	3260	3398
-2.5°	344	448	564	749	874	997	1816	2853	3125	3329	3535
-5°	364	485	606	773	880	998	1660	2729	3146	3399	3651
-7.5°	378	517	644	792	887	1002	1651	2773	3271	3501	3748
-10°	384	529	652	796	896	1006	1631	2753	3392	3607	3829
-12.5°	372	524	650	795	903	1006	1547	2661	3513	3723	3869
-15°	358	515	642	788	909	1000	1392	2492	3535	3669	3813
-17.5°	343	504	629	776	914	991	1148	2068	3170	3494	3722
-20°	328	491	608	758	915	957	1037	1660	2589	3241	3542



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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°	314	475	586	733	854	907	966	1281	1982	2915	3224
-25°	308	451	565	682	792	855	889	975	1483	2301	2870
-27.5°	305	430	533	633	739	798	825	888	1164	1709	2478
-30°	299	399	500	588	686	743	765	821	915	1311	1868
-32.5°	281	366	463	550	635	701	730	781	849	970	1370
-35°	259	338	425	511	588	661	711	748	794	855	1052
-37.5°	239	309	387	470	544	619	691	724	760	807	889
-40°	217	279	352	428	501	573	643	704	732	780	837
-42.5°	194	253	318	386	456	524	593	657	719	757	803
-45°	170	225	283	347	409	473	538	604	681	747	780
-47.5°	145	196	251	307	365	423	481	553	629	701	771
-50°	120	167	218	270	322	374	427	502	576	646	712
-52.5°	98	137	185	234	282	328	383	451	521	591	654
-55°	75	110	150	197	244	286	339	401	465	531	593
-57.5°	58	83	118	156	201	248	299	351	409	469	524
-60°	44	62	87	119	155	201	256	308	357	405	456
-62.5°	31	46	62	84	114	150	197	250	307	348	389
-65°	28	32	44	60	76	105	140	180	228	270	313
-67.5°	25	29	33	39	53	69	85	117	152	181	212
-70°	23	25	29	32	36	43	57	72	86	102	127
-72.5°	21	23	25	28	31	35	39	43	51	62	72
-75°	18	20	22	24	27	29	32	36	39	41	44
-77.5°	16	17	18	20	21	23	26	28	30	32	34
-80°	14	14	15	16	18	19	20	21	22	24	26
-82.5°	12	13	13	13	14	15	16	17	18	18	19
-85°	11	11	10	10	11	12	13	13	14	14	14
-87.5°	10	10	10	10	10	10	11	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	11	11	11	12	13	14	14	21	27
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	7	6	6	6	6
70°	16	17	16	15	12	11	10	9	8	8	8
67.5°	26	24	22	20	17	14	13	12	11	11	11
65°	33	26	22	20	18	16	14	12	11	10	10
62.5°	33	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	12	10	10	10	10	9	9	8	7	8
52.5°	12	12	12	12	11	11	10	10	10	10	10
50°	13	13	13	13	12	12	11	12	12	13	14
47.5°	15	15	16	14	14	15	15	15	18	20	22
45°	19	22	22	22	22	24	26	27	33	35	35
42.5°	30	33	36	38	36	43	52	58	57	54	55
40°	45	51	61	66	71	79	81	70	69	78	78
37.5°	68	86	106	121	123	120	116	114	117	123	131
35°	112	154	172	182	187	170	163	169	164	180	186
32.5°	199	252	268	275	290	272	233	279	262	259	277
30°	315	390	455	459	449	446	469	475	454	454	524
27.5°	603	620	735	786	657	667	729	696	772	846	904
25°	955	969	1169	1139	1002	1041	1077	1070	1158	1247	1348
22.5°	1279	1337	1501	1458	1397	1414	1447	1513	1632	1813	2283
20°	1537	1575	1654	1691	1694	1727	1833	2014	2385	3603	5074
17.5°	1786	1728	1823	1886	1954	2075	2321	3062	4853	8545	12163
15°	2147	2111	2055	2141	2329	2577	3150	5860	11944	18867	26065
12.5°	2541	2494	2416	2488	2774	3215	5912	12779	22504	34915	59091
10°	2855	2834	2785	2939	3312	4641	9417	20223	34684	63475	98669
7.5°	3047	3037	3079	3330	3838	6777	15394	30441	55851	95821	154902
5°	3257	3242	3308	3613	4214	8147	20063	39620	77462	132762	218560
2.5°	3482	3447	3516	3864	4509	8451	21111	42369	90291	161237	276190
0°	3709	3638	3675	4023	4729	9447	23283	46332	99360	177712	299971
-2.5°	3727	3607	3644	3966	4642	8134	20215	42680	94434	165351	274704
-5°	3759	3602	3592	3874	4518	7421	17150	39034	83433	145507	240267
-7.5°	3817	3632	3543	3751	4320	6451	13992	32495	67497	118677	187345
-10°	3913	3714	3568	3660	4071	5261	9258	23618	51092	89476	136021
-12.5°	4031	3939	3720	3594	3820	4465	7277	17646	35897	56607	90562
-15°	4085	4120	3962	3711	3726	4124	5089	9662	22533	37581	54331
-17.5°	4011	4175	3993	3704	3587	3824	4275	5951	10413	20078	29902
-20°	3794	3847	3810	3637	3514	3527	3751	4185	5055	8220	11697



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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°	3391	3426	3416	3544	3407	3345	3393	3562	3832	4243	5393
-25°	3048	3034	3113	3328	3361	3212	3173	3185	3339	3521	3773
-27.5°	2721	2820	2994	3212	3307	3206	3080	2997	3071	3128	3242
-30°	2447	2703	2886	3084	3227	3211	3087	3047	3012	2971	3000
-32.5°	2011	2562	2751	2913	3085	3155	3154	3137	3153	3119	3046
-35°	1563	2157	2646	2736	2848	3012	3139	3159	3178	3177	3159
-37.5°	1121	1673	2169	2534	2665	2786	3021	3147	3188	3253	3277
-40°	920	1085	1581	2027	2328	2694	2939	3166	3400	3537	3614
-42.5°	859	928	1001	1344	1773	2174	2558	2991	3324	3582	3839
-45°	816	860	908	976	1043	1383	1774	2166	2534	2905	3261
-47.5°	798	814	848	887	932	991	1047	1135	1438	1739	2062
-50°	770	811	826	840	876	911	938	975	1011	1034	1065
-52.5°	712	764	809	850	873	894	912	942	970	995	1012
-55°	652	705	757	807	855	900	939	961	983	1005	1014
-57.5°	581	637	693	745	797	847	892	932	970	1006	1028
-60°	506	555	611	669	723	772	821	868	911	947	970
-62.5°	434	480	526	579	637	693	737	783	828	868	897
-65°	355	394	431	470	512	557	604	650	695	733	762
-67.5°	248	285	319	353	384	416	450	484	518	548	573
-70°	151	174	194	215	241	268	294	319	341	359	374
-72.5°	82	90	100	116	131	147	163	178	192	204	216
-75°	47	51	57	64	69	76	83	90	97	103	109
-77.5°	36	38	40	42	44	46	49	52	55	59	65
-80°	27	28	30	31	32	34	35	37	38	41	43
-82.5°	20	20	21	21	22	23	24	25	26	29	31
-85°	14	15	15	15	15	16	16	17	17	19	22
-87.5°	11	11	11	11	11	12	12	13	13	15	17
-90°	5	4	4	4	3	3	2	2	2	1	1



REPORT NUMBER: P731595 (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°	33	39	44	50	44	39	33	27	21	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	10	10	11	10	10	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	10
50°	14	14	14	15	14	14	14	14	13	12	12
47.5°	23	24	24	26	24	24	23	22	20	18	15
45°	37	38	39	42	39	38	37	35	35	33	27
42.5°	58	60	61	64	61	60	58	55	54	57	58
40°	80	81	82	85	82	81	80	78	78	69	70
37.5°	135	130	124	137	124	130	135	131	123	117	114
35°	185	188	194	203	194	188	185	186	180	164	169
32.5°	280	295	302	312	302	295	280	277	259	262	279
30°	558	557	512	520	512	557	558	524	454	454	475
27.5°	923	934	929	953	929	934	923	904	846	772	696
25°	1437	1485	1475	1522	1475	1485	1437	1348	1247	1158	1070
22.5°	2861	3083	3079	3374	3079	3083	2861	2283	1813	1632	1513
20°	7642	9154	8531	8646	8531	9154	7642	5074	3603	2385	2014
17.5°	17623	22746	24970	27750	24970	22746	17623	12163	8545	4853	3062
15°	40230	53878	60705	53737	60705	53878	40230	26065	18867	11944	5860
12.5°	84230	108193	124758	112046	124758	108193	84230	59091	34915	22504	12779
10°	145514	189655	226135	214112	226135	189655	145514	98669	63475	34684	20223
7.5°	223703	295011	339518	339188	339518	295011	223703	154902	95821	55851	30441
5°	321841	413075	469745	476579	469745	413075	321841	218560	132762	77462	39620
2.5°	394505	493420	570800	598710	570800	493420	394505	276190	161237	90291	42369
0°	424173	526148	608863	654983	608863	526148	424173	299971	177712	99360	46332
-2.5°	400862	495046	563269	591843	563269	495046	400862	274704	165351	94434	42680
-5°	350006	438707	491334	510023	491334	438707	350006	240267	145507	83433	39034
-7.5°	273899	348150	393581	409990	393581	348150	273899	187345	118677	67497	32495
-10°	189676	244868	284311	296546	284311	244868	189676	136021	89476	51092	23618
-12.5°	122219	154964	176817	184776	176817	154964	122219	90562	56607	35897	17646
-15°	74352	92585	103168	106734	103168	92585	74352	54331	37581	22533	9662
-17.5°	40968	49767	53002	55279	53002	49767	40968	29902	20078	10413	5951
-20°	18354	22174	24048	25010	24048	22174	18354	11697	8220	5055	4185



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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°	7077	8192	8695	9107	8695	8192	7077	5393	4243	3832	3562
-25°	3992	4147	4218	4264	4218	4147	3992	3773	3521	3339	3185
-27.5°	3322	3412	3473	3463	3473	3412	3322	3242	3128	3071	2997
-30°	3002	3030	3053	3035	3053	3030	3002	3000	2971	3012	3047
-32.5°	2993	2965	2949	2945	2949	2965	2993	3046	3119	3153	3137
-35°	3139	3126	3118	3123	3118	3126	3139	3159	3177	3178	3159
-37.5°	3280	3261	3233	3210	3233	3261	3280	3277	3253	3188	3147
-40°	3629	3697	3783	3830	3783	3697	3629	3614	3537	3400	3166
-42.5°	3916	3965	3987	3986	3987	3965	3916	3839	3582	3324	2991
-45°	3531	3728	3835	3855	3835	3728	3531	3261	2905	2534	2166
-47.5°	2409	2730	2918	2943	2918	2730	2409	2062	1739	1438	1135
-50°	1107	1150	1165	1154	1165	1150	1107	1065	1034	1011	975
-52.5°	1028	1045	1053	1056	1053	1045	1028	1012	995	970	942
-55°	1022	1031	1037	1043	1037	1031	1022	1014	1005	983	961
-57.5°	1049	1068	1078	1081	1078	1068	1049	1028	1006	970	932
-60°	991	1010	1017	1019	1017	1010	991	970	947	911	868
-62.5°	924	949	958	961	958	949	924	897	868	828	783
-65°	786	807	809	803	809	807	786	762	733	695	650
-67.5°	596	616	617	612	617	616	596	573	548	518	484
-70°	386	395	397	396	397	395	386	374	359	341	319
-72.5°	226	234	233	229	233	234	226	216	204	192	178
-75°	115	119	121	122	121	119	115	109	103	97	90
-77.5°	70	75	76	77	76	75	70	65	59	55	52
-80°	45	46	47	47	47	46	45	43	41	38	37
-82.5°	33	35	36	37	36	35	33	31	29	26	25
-85°	24	26	27	27	27	26	24	22	19	17	17
-87.5°	19	21	22	22	22	21	19	17	15	13	13
-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	11	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°	7	7	7	8	8	9	9	8	8	7	7
70°	10	11	12	15	16	17	16	15	12	10	9
67.5°	13	14	17	20	22	24	26	27	26	23	16
65°	14	16	18	20	22	26	33	36	37	36	27
62.5°	12	14	15	17	19	23	33	40	46	46	36
60°	9	10	11	12	14	19	28	38	50	47	39
57.5°	8	8	9	9	10	14	21	31	42	42	38
55°	9	10	10	10	10	12	15	21	30	32	31
52.5°	10	11	11	12	12	12	12	16	19	23	23
50°	11	12	12	13	13	13	13	13	15	17	18
47.5°	15	15	14	14	16	15	15	15	16	16	17
45°	26	24	22	22	22	22	19	20	21	20	18
42.5°	52	43	36	38	36	33	30	29	28	27	26
40°	81	79	71	66	61	51	45	40	38	36	36
37.5°	116	120	123	121	106	86	68	55	49	51	48
35°	163	170	187	182	172	154	112	80	70	76	67
32.5°	233	272	290	275	268	252	199	131	126	118	98
30°	469	446	449	459	455	390	315	326	261	177	141
27.5°	729	667	657	786	735	620	603	661	478	317	208
25°	1077	1041	1002	1139	1169	969	955	1007	875	514	293
22.5°	1447	1414	1397	1458	1501	1337	1279	1345	1310	755	450
20°	1833	1727	1694	1691	1654	1575	1537	1584	1427	1023	613
17.5°	2321	2075	1954	1886	1823	1728	1786	1764	1579	1232	768
15°	3150	2577	2329	2141	2055	2111	2147	2025	1759	1377	977
12.5°	5912	3215	2774	2488	2416	2494	2541	2352	2000	1693	1323
10°	9417	4641	3312	2939	2785	2834	2855	2639	2331	2060	1695
7.5°	15394	6777	3838	3330	3079	3037	3047	2847	2614	2393	2081
5°	20063	8147	4214	3613	3308	3242	3257	3004	2860	2700	2464
2.5°	21111	8451	4509	3864	3516	3447	3482	3183	3068	2916	2714
0°	23283	9447	4729	4023	3675	3638	3709	3398	3260	3107	2925
-2.5°	20215	8134	4642	3966	3644	3607	3727	3535	3329	3125	2853
-5°	17150	7421	4518	3874	3592	3602	3759	3651	3399	3146	2729
-7.5°	13992	6451	4320	3751	3543	3632	3817	3748	3501	3271	2773
-10°	9258	5261	4071	3660	3568	3714	3913	3829	3607	3392	2753
-12.5°	7277	4465	3820	3594	3720	3939	4031	3869	3723	3513	2661
-15°	5089	4124	3726	3711	3962	4120	4085	3813	3669	3535	2492
-17.5°	4275	3824	3587	3704	3993	4175	4011	3722	3494	3170	2068
-20°	3751	3527	3514	3637	3810	3847	3794	3542	3241	2589	1660



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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°	3393	3345	3407	3544	3416	3426	3391	3224	2915	1982	1281
-25°	3173	3212	3361	3328	3113	3034	3048	2870	2301	1483	975
-27.5°	3080	3206	3307	3212	2994	2820	2721	2478	1709	1164	888
-30°	3087	3211	3227	3084	2886	2703	2447	1868	1311	915	821
-32.5°	3154	3155	3085	2913	2751	2562	2011	1370	970	849	781
-35°	3139	3012	2848	2736	2646	2157	1563	1052	855	794	748
-37.5°	3021	2786	2665	2534	2169	1673	1121	889	807	760	724
-40°	2939	2694	2328	2027	1581	1085	920	837	780	732	704
-42.5°	2558	2174	1773	1344	1001	928	859	803	757	719	657
-45°	1774	1383	1043	976	908	860	816	780	747	681	604
-47.5°	1047	991	932	887	848	814	798	771	701	629	553
-50°	938	911	876	840	826	811	770	712	646	576	502
-52.5°	912	894	873	850	809	764	712	654	591	521	451
-55°	939	900	855	807	757	705	652	593	531	465	401
-57.5°	892	847	797	745	693	637	581	524	469	409	351
-60°	821	772	723	669	611	555	506	456	405	357	308
-62.5°	737	693	637	579	526	480	434	389	348	307	250
-65°	604	557	512	470	431	394	355	313	270	228	180
-67.5°	450	416	384	353	319	285	248	212	181	152	117
-70°	294	268	241	215	194	174	151	127	102	86	72
-72.5°	163	147	131	116	100	90	82	72	62	51	43
-75°	83	76	69	64	57	51	47	44	41	39	36
-77.5°	49	46	44	42	40	38	36	34	32	30	28
-80°	35	34	32	31	30	28	27	26	24	22	21
-82.5°	24	23	22	21	21	20	20	19	18	18	17
-85°	16	16	15	15	15	15	14	14	14	14	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	9	8	8	8	8	8	8	8	8	8
65°	19	12	8	8	8	8	8	8	9	8	8
62.5°	27	19	13	9	8	8	8	8	9	9	8
60°	32	24	18	13	10	8	8	9	9	9	9
57.5°	31	26	22	17	13	9	8	9	9	9	9
55°	27	24	24	20	15	11	9	9	9	9	10
52.5°	21	22	24	23	18	13	11	9	9	10	10
50°	17	20	24	24	21	16	12	10	9	10	10
47.5°	18	21	23	26	23	18	14	11	9	10	10
45°	20	23	24	26	26	20	15	12	10	10	10
42.5°	24	26	27	25	26	22	16	13	11	10	10
40°	33	31	31	30	26	23	18	14	11	10	10
37.5°	44	39	36	39	30	24	18	14	12	11	10
35°	58	49	47	50	40	26	19	15	13	11	10
32.5°	73	72	71	62	54	29	20	17	14	11	10
30°	110	111	105	76	68	42	24	19	16	12	11
27.5°	172	157	147	106	82	57	29	21	17	13	11
25°	239	213	192	147	97	76	34	24	19	14	11
22.5°	318	271	242	193	122	98	44	28	22	15	12
20°	396	328	296	236	158	118	61	32	24	17	12
17.5°	485	401	355	280	197	141	79	36	26	18	12
15°	659	492	419	329	233	165	97	40	29	20	13
12.5°	869	582	488	381	266	190	115	43	31	21	13
10°	1101	672	560	434	296	216	133	48	34	23	14
7.5°	1343	760	633	488	330	256	176	57	37	24	14
5°	1579	844	712	568	394	309	225	67	40	25	15
2.5°	1778	921	792	647	457	360	273	76	43	26	16
0°	1949	993	866	721	518	409	319	85	45	27	16
-2.5°	1816	997	874	749	564	448	344	108	59	35	19
-5°	1660	998	880	773	606	485	364	129	71	41	22
-7.5°	1651	1002	887	792	644	517	378	149	83	48	25
-10°	1631	1006	896	796	652	529	384	166	94	53	28
-12.5°	1547	1006	903	795	650	524	372	179	103	58	30
-15°	1392	1000	909	788	642	515	358	190	113	63	31
-17.5°	1148	991	914	776	629	504	343	198	121	69	34
-20°	1037	957	915	758	608	491	328	203	127	73	37



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	966	907	854	733	586	475	314	205	132	76	38
-25°	889	855	792	682	565	451	308	205	134	77	39
-27.5°	825	798	739	633	533	430	305	207	135	77	38
-30°	765	743	686	588	500	399	299	206	134	76	36
-32.5°	730	701	635	550	463	366	281	202	130	73	36
-35°	711	661	588	511	425	338	259	196	124	70	35
-37.5°	691	619	544	470	387	309	239	178	115	64	33
-40°	643	573	501	428	352	279	217	160	106	56	30
-42.5°	593	524	456	386	318	253	194	140	92	50	26
-45°	538	473	409	347	283	225	170	119	77	45	23
-47.5°	481	423	365	307	251	196	145	101	61	38	22
-50°	427	374	322	270	218	167	120	82	52	30	21
-52.5°	383	328	282	234	185	137	98	63	42	26	20
-55°	339	286	244	197	150	110	75	51	32	24	19
-57.5°	299	248	201	156	118	83	58	39	27	22	18
-60°	256	201	155	119	87	62	44	30	25	20	17
-62.5°	197	150	114	84	62	46	31	27	22	19	16
-65°	140	105	76	60	44	32	28	24	21	18	15
-67.5°	85	69	53	39	33	29	25	22	19	16	14
-70°	57	43	36	32	29	25	23	20	18	15	13
-72.5°	39	35	31	28	25	23	21	18	16	14	12
-75°	32	29	27	24	22	20	18	17	15	13	12
-77.5°	26	23	21	20	18	17	16	15	13	12	11
-80°	20	19	18	16	15	14	14	13	12	11	10
-82.5°	16	15	14	13	13	13	12	12	11	11	10
-85°	13	12	11	10	10	11	11	11	11	10	9
-87.5°	11	10	10	10	10	10	10	10	10	9	9
-90°	5	6	6	6	6	6	6	6	7	7	8



REPORT NUMBER: P731595 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-1S-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	9	8	8	8	8	8
55°	9	9	8	8	8	8	8
52.5°	9	9	9	8	8	8	8
50°	10	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	10	9	8	8	8	8
40°	10	10	9	9	8	8	8
37.5°	10	10	10	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	10	8	8	8
12.5°	12	10	10	10	8	8	8
10°	12	11	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°	15	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	10	8	8	8
-17.5°	17	12	10	10	8	8	8
-20°	18	12	11	10	9	8	8



REPORT NUMBER: P731595 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-1S-CV2

CANDELA DISTRIBUTION (continued):

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

