

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: P701644 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-5S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701644 (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: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-80-5S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

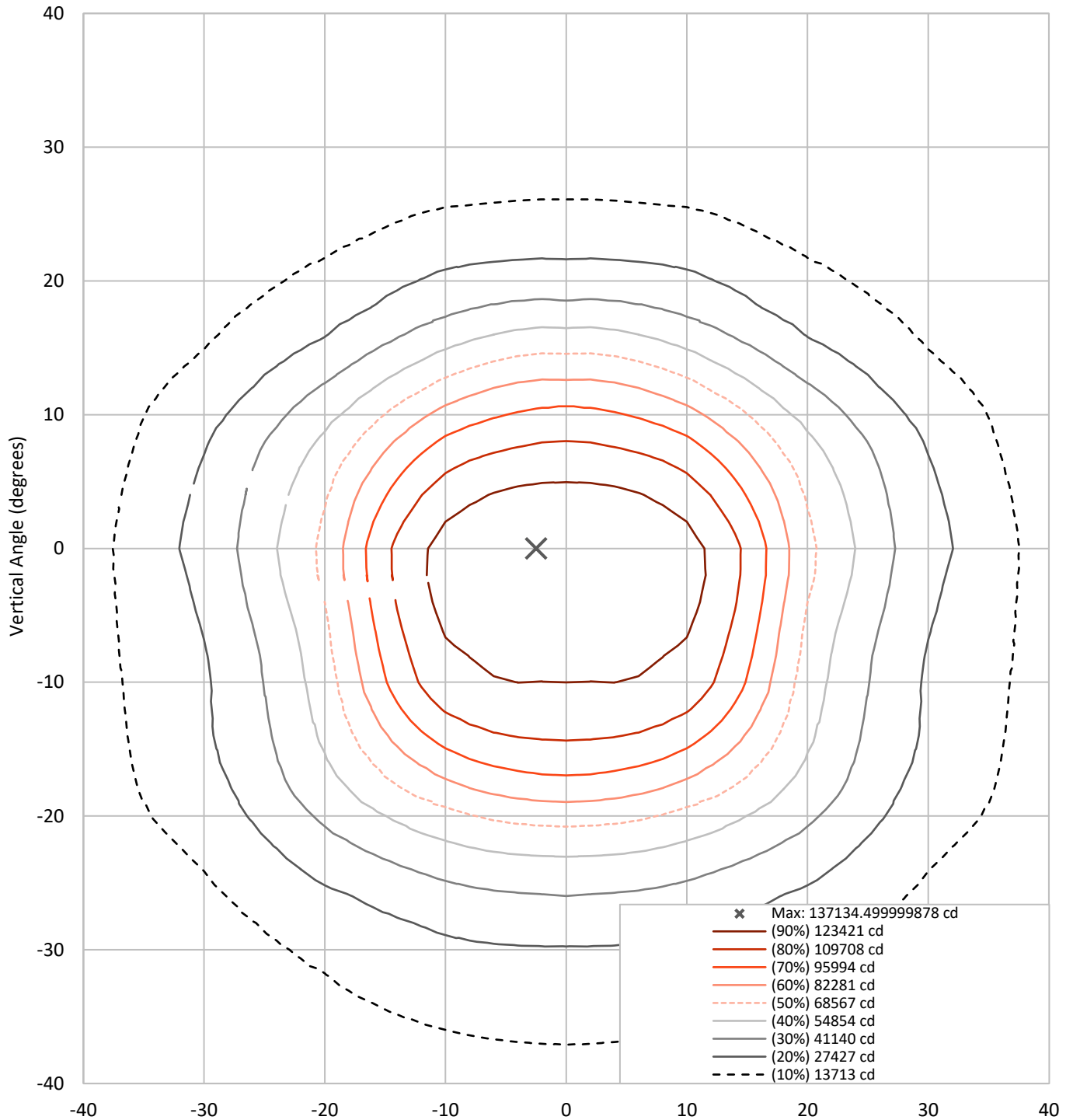
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	67679.7 lumens	Max Intensity:	137134.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	97.0 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:	37225.2 lumens	Field Lumens:	62002.3 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 697.5
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





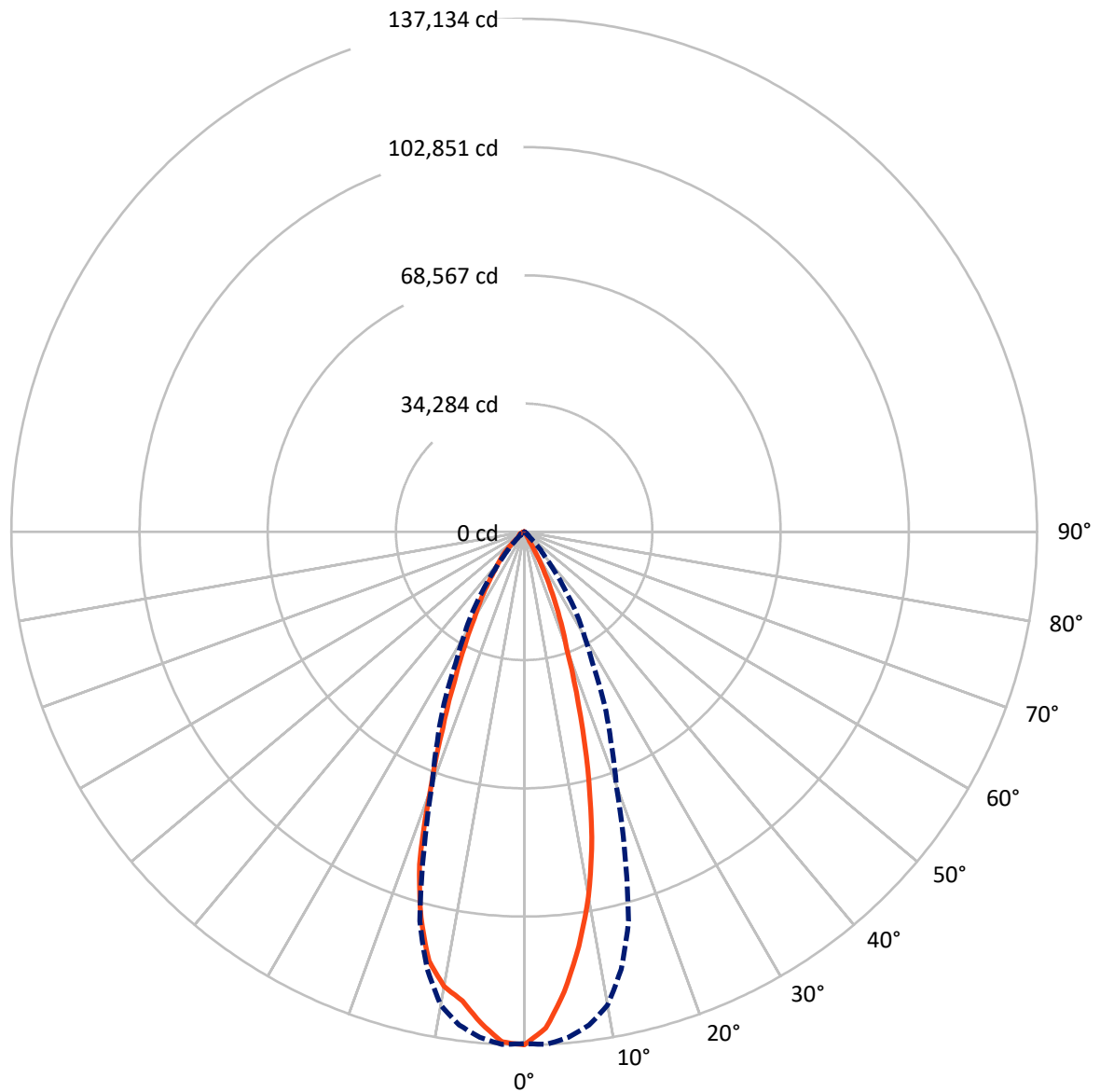
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Lumen Table

90																			
80	0.2	0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2			
70	0.2	0.1	0.2	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.2	0.1	0.2			
60		0.1	0.3	0.7	0.8	0.4	0.5	0.5	0.5	0.5	0.4	0.8	0.7	0.3	0.1				
50	0.2	0.2	0.3	0.6	0.8	1.1	1.7	2.0	2.0	1.7	1.1	0.8	0.6	0.3	0.2	0.2			
40		0.2	0.9	2.0	5.5	15.2	26.3	33.6	33.6	26.3	15.2	5.5	2.0	0.9	0.2				
30	0.2	0.4	3.0	10.3	60.1	172.8	351.2	507.0	507.0	351.2	172.8	60.1	10.3	3.0	0.4	0.2			
20		0.8	6.4	33.7	213.7	626.5	1283.9	1896.8	1896.8	1283.9	626.5	213.7	33.7	6.4	0.8				
10	0.3	1.5	10.9	73.3	439.7	1256.0	2629.8	3589.1	3589.1	2629.8	1256.0	439.7	73.3	10.9	1.5	0.3			
0		2.5	14.8	88.7	460.5	1286.1	2951.3	3933.6	3933.6	2951.3	1286.1	460.5	88.7	14.8	2.5				
-10	0.4	2.9	15.3	71.2	390.9	1058.9	2229.9	3070.8	3070.8	2229.9	1058.9	390.9	71.2	15.3	2.9	0.4			
-20		2.5	12.5	33.4	196.1	566.6	1042.0	1368.2	1368.2	1042.0	566.6	196.1	33.4	12.5	2.5				
-30	0.4	1.9	8.6	19.5	57.3	213.5	392.8	512.5	512.5	392.8	213.5	57.3	19.5	8.6	1.9	0.4			
-40		1.1	5.2	13.7	25.3	47.4	106.8	161.1	161.1	106.8	47.4	25.3	13.7	5.2	1.1				
-50	0.2	0.6	2.6	7.7	16.1	26.5	36.4	42.2	42.2	36.4	26.5	16.1	7.7	2.6	0.6	0.2			
-60		0.3	1.0	3.0	6.7	11.8	17.7	21.2	21.2	17.7	11.8	6.7	3.0	1.0	0.3				
-70																			
-80	0.2	0.8		2.4		6.4		8.9		6.4		2.4		0.8		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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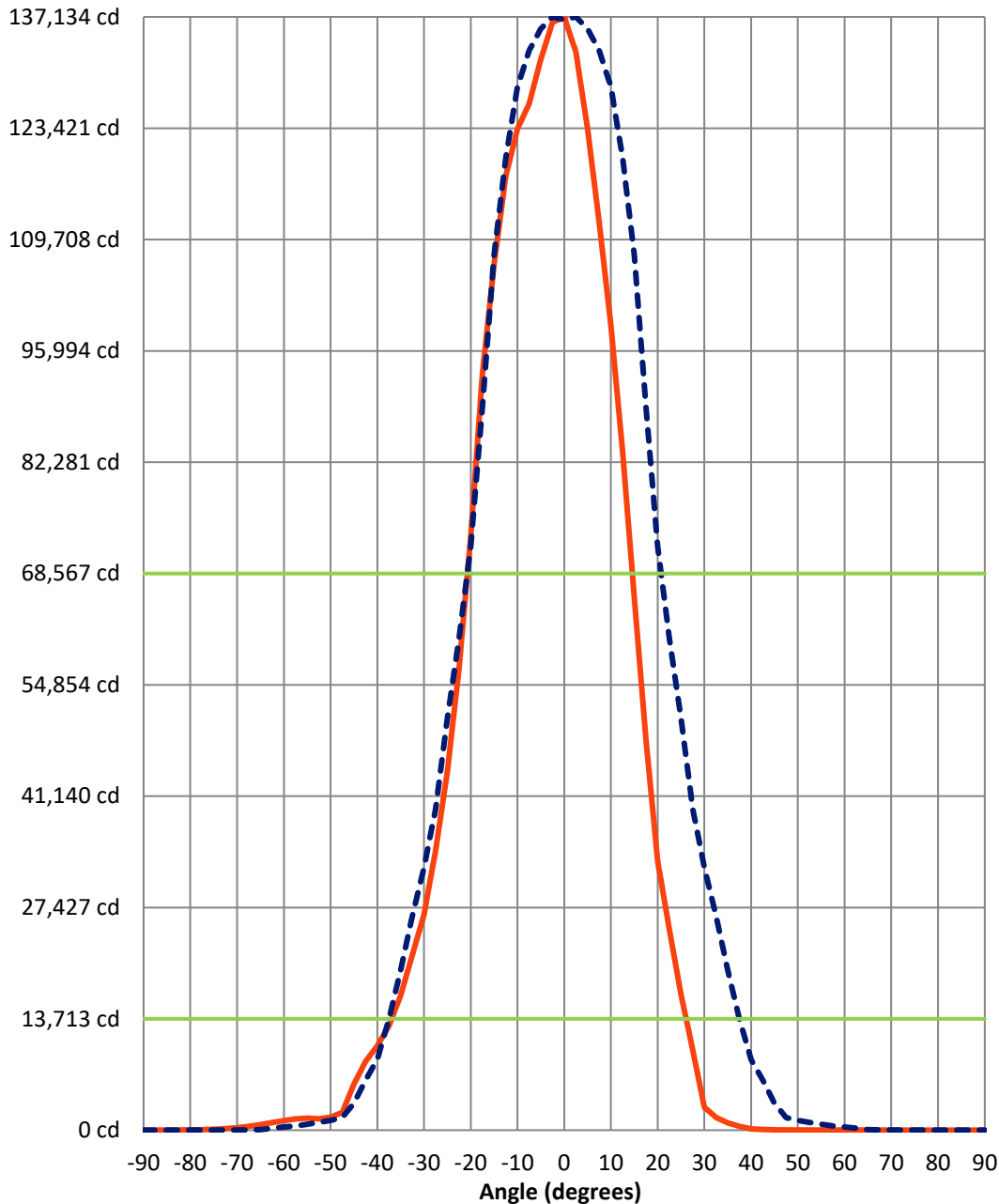
Luminous Intensity Polar Plot



— 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: 37225.2
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 62002.3
 Efficiency: 91.6%

Spill:
 Lumens: 5677.4
 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°	8	8	8	8	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8	8	8	8	8
82.5°	8	8	8	8	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8	8	8	8	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	9	9	9	9
67.5°	8	8	8	8	8	8	9	9	9	9	10
65°	8	8	8	8	8	8	9	10	10	10	10
62.5°	8	8	8	8	8	9	9	10	10	10	10
60°	8	8	8	8	8	9	10	10	10	10	10
57.5°	8	8	8	8	8	9	10	10	10	10	10
55°	8	8	8	8	9	10	10	10	10	10	10
52.5°	8	8	8	8	9	10	10	10	10	10	10
50°	8	8	8	8	9	10	10	10	10	10	11
47.5°	8	8	8	8	9	10	10	10	10	10	11
45°	8	8	8	8	10	10	10	10	10	11	12
42.5°	8	8	8	8	10	10	10	10	10	11	13
40°	8	8	8	9	10	10	10	10	11	12	13
37.5°	8	8	8	9	10	10	10	10	11	12	14
35°	8	8	8	9	10	10	10	11	12	13	14
32.5°	8	8	8	9	10	10	10	11	12	14	15
30°	8	8	8	9	10	10	10	11	13	15	16
27.5°	8	8	8	9	10	10	10	12	13	15	18
25°	8	8	8	9	10	10	11	12	14	17	19
22.5°	8	8	8	9	10	10	11	13	15	18	23
20°	8	8	8	9	10	10	11	13	15	19	26
17.5°	8	8	8	9	10	10	11	13	16	20	30
15°	8	8	8	9	10	10	12	14	17	21	33
12.5°	8	8	8	9	10	10	12	14	17	23	36
10°	8	8	8	8	10	10	12	14	18	24	41
7.5°	8	8	8	8	10	10	12	14	19	26	48
5°	8	8	8	8	10	10	12	14	19	28	56
2.5°	8	8	8	8	10	10	12	14	20	30	63
0°	8	8	8	8	10	10	12	14	20	32	70
-2.5°	8	8	8	8	10	10	13	16	25	44	90
-5°	8	8	8	8	10	11	14	18	31	55	110
-7.5°	8	8	8	8	10	11	14	19	35	65	127
-10°	8	8	8	8	10	12	15	21	39	75	142
-12.5°	8	8	8	9	10	12	15	22	43	82	153
-15°	8	8	8	9	10	12	16	23	46	89	160
-17.5°	8	8	8	9	10	12	16	25	49	94	165
-20°	8	8	8	9	10	12	17	27	51	97	167



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8	8	8	9	10	12	18	28	52	98	167
-25°	8	8	8	9	10	12	18	29	51	96	163
-27.5°	8	8	8	9	10	12	18	29	49	94	161
-30°	8	8	8	9	10	12	18	28	48	91	156
-32.5°	8	8	8	9	10	12	17	28	48	87	149
-35°	8	8	8	9	10	11	16	27	46	81	138
-37.5°	8	8	8	9	10	11	16	26	43	72	121
-40°	8	8	8	9	10	11	15	24	40	66	106
-42.5°	8	8	8	8	10	11	15	22	36	59	90
-45°	8	8	8	8	10	11	14	19	33	52	75
-47.5°	8	8	8	8	10	11	13	18	29	44	66
-50°	8	8	8	8	10	11	12	17	24	38	56
-52.5°	8	8	8	8	9	11	12	15	21	32	46
-55°	8	8	8	8	9	11	12	14	19	25	39
-57.5°	8	8	8	8	9	10	12	13	16	21	31
-60°	8	8	8	8	9	10	12	13	14	19	24
-62.5°	8	8	8	8	9	10	11	13	14	16	20
-65°	8	8	8	8	9	9	11	12	13	15	17
-67.5°	8	8	8	8	9	9	10	12	13	14	15
-70°	8	8	8	8	9	9	10	11	12	13	14
-72.5°	8	8	8	8	9	9	10	10	12	13	14
-75°	8	8	8	8	9	9	10	10	11	12	13
-77.5°	8	8	8	8	9	9	10	10	11	11	12
-80°	8	8	8	8	9	9	10	10	10	11	11
-82.5°	8	8	8	8	9	9	10	10	10	10	11
-85°	8	8	8	8	8	9	9	9	9	10	10
-87.5°	8	8	8	8	8	8	9	9	9	9	9
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P701644 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	8	8	8	8	8	7	7	6	6	6	6
87.5°	8	8	7	7	7	7	6	6	6	5	5
85°	8	8	8	8	8	7	7	6	6	6	5
82.5°	8	8	8	8	8	7	7	6	6	6	6
80°	8	8	8	8	8	7	7	6	6	6	6
77.5°	8	8	8	8	8	7	7	7	7	7	7
75°	8	8	8	8	8	8	8	8	8	7	7
72.5°	8	9	9	8	8	8	8	8	8	8	8
70°	9	9	9	8	8	8	9	10	11	11	11
67.5°	10	9	9	9	9	10	11	13	14	14	15
65°	10	9	9	9	10	12	13	15	20	22	23
62.5°	10	10	10	10	12	14	17	21	28	32	31
60°	10	10	11	12	14	16	20	27	36	42	38
57.5°	10	11	12	13	15	17	22	31	41	52	45
55°	10	11	13	14	16	17	23	33	44	51	45
52.5°	11	12	14	15	17	18	23	32	39	44	41
50°	12	13	14	16	18	19	20	28	33	36	35
47.5°	13	14	15	17	19	21	20	24	28	31	29
45°	13	15	16	18	21	22	23	22	29	31	29
42.5°	14	15	18	20	23	26	28	30	34	37	36
40°	15	16	20	25	27	33	39	43	44	47	47
37.5°	15	19	25	35	35	44	52	61	63	59	67
35°	16	21	37	49	51	58	72	85	93	88	96
32.5°	18	24	54	66	79	85	95	123	150	158	144
30°	21	40	73	85	114	134	140	177	233	282	379
27.5°	25	58	90	117	159	194	209	270	366	496	774
25°	29	77	109	157	217	257	282	369	530	943	1464
22.5°	39	97	133	202	283	318	370	488	758	1445	2309
20°	55	116	166	246	353	376	451	603	1071	2112	3149
17.5°	71	137	203	298	408	452	530	707	1334	2947	4240
15°	86	160	238	351	471	559	678	942	1836	3936	5684
12.5°	100	184	270	404	544	673	848	1325	2730	5091	7701
10°	113	209	300	455	624	790	1024	1743	3635	6097	9297
7.5°	144	246	334	505	709	909	1201	2179	4451	6947	10631
5°	179	297	399	582	797	1021	1364	2611	5167	7648	11833
2.5°	212	346	461	658	882	1118	1465	2987	5728	8241	12870
0°	244	392	522	729	959	1207	1551	3315	6155	8721	13687
-2.5°	282	441	588	797	985	1210	1552	3194	6248	9175	13381
-5°	315	486	650	858	1008	1206	1540	3009	6197	9418	13134
-7.5°	342	526	706	907	1030	1218	1570	3050	6112	9418	12979
-10°	358	538	706	905	1044	1234	1590	2978	5851	9223	12664
-12.5°	344	523	692	893	1052	1237	1584	2774	5412	8825	12270
-15°	327	506	671	871	1056	1227	1547	2424	4692	7969	11796
-17.5°	309	487	644	838	1053	1201	1457	1872	3761	6773	10707
-20°	290	465	610	795	1039	1141	1320	1660	2967	5432	8996



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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°	270	442	575	751	955	1069	1192	1437	2098	3924	6783
-25°	259	413	545	694	868	1002	1064	1218	1549	2881	4952
-27.5°	253	385	507	636	790	932	977	1077	1324	1858	3345
-30°	244	347	466	579	721	848	914	977	1135	1424	2247
-32.5°	225	308	421	531	653	776	875	936	1035	1186	1459
-35°	201	279	376	479	586	710	822	910	959	1063	1245
-37.5°	179	248	330	426	526	641	764	860	931	981	1112
-40°	156	215	291	376	467	571	684	797	886	961	1019
-42.5°	133	188	253	328	413	505	602	712	823	920	994
-45°	115	161	214	285	361	441	529	620	739	849	940
-47.5°	96	134	182	242	311	382	457	548	647	755	860
-50°	78	112	151	205	264	327	393	477	568	660	756
-52.5°	67	90	126	169	221	277	338	409	490	575	659
-55°	55	75	102	137	178	229	286	348	412	488	564
-57.5°	44	62	83	109	143	181	234	289	347	407	470
-60°	34	49	67	87	110	144	182	229	281	333	387
-62.5°	25	37	51	68	88	109	139	175	214	257	302
-65°	21	26	37	51	66	85	104	126	157	188	219
-67.5°	17	21	26	33	46	61	76	94	113	130	151
-70°	15	17	20	25	30	38	51	64	78	91	105
-72.5°	14	15	16	18	21	26	31	37	46	56	67
-75°	13	14	15	16	17	18	20	24	29	33	37
-77.5°	13	13	13	14	14	15	16	17	19	20	22
-80°	12	12	12	13	13	13	13	13	14	14	15
-82.5°	11	11	11	11	11	11	11	11	11	11	12
-85°	10	10	10	10	10	10	9	9	9	9	9
-87.5°	9	9	9	9	9	8	8	7	7	8	8
-90°	8	7	7	6	6	6	6	6	6	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°	6	6	6	6	6	7	7	7	8	9	10
87.5°	4	4	4	4	4	4	4	4	4	4	3
85°	5	5	5	4	4	4	4	4	4	4	3
82.5°	6	6	5	5	4	4	4	4	4	4	3
80°	6	6	6	5	5	5	5	4	4	4	3
77.5°	6	6	6	6	6	6	5	5	4	4	3
75°	6	6	6	6	6	6	6	6	6	5	5
72.5°	8	8	7	7	7	7	7	6	6	6	6
70°	11	11	10	10	10	9	9	8	8	8	8
67.5°	16	16	16	15	14	12	11	11	10	10	10
65°	23	20	18	17	15	14	13	13	12	12	14
62.5°	27	21	18	17	16	16	15	14	13	14	15
60°	32	23	17	16	15	14	14	14	14	14	15
57.5°	34	24	16	15	15	14	14	14	14	14	15
55°	33	24	16	16	15	16	16	15	14	14	15
52.5°	30	23	18	16	16	15	14	15	16	16	17
50°	27	22	19	18	18	18	18	19	20	20	21
47.5°	25	22	22	21	22	23	23	24	27	29	30
45°	25	27	28	29	29	34	38	41	43	46	48
42.5°	34	38	41	46	50	59	64	58	71	82	84
40°	52	57	70	83	100	107	140	142	156	192	204
37.5°	79	95	138	174	231	265	308	348	381	414	437
35°	123	205	269	382	459	498	548	608	634	739	820
32.5°	263	409	584	674	776	853	842	1092	1188	1346	1475
30°	485	836	1305	1305	1287	1714	1870	2193	2523	2743	3270
27.5°	1122	1866	2609	2624	2946	3838	4345	4498	5932	6853	8109
25°	2067	3292	4317	4795	5751	7203	8063	9088	11228	13667	15207
22.5°	3079	4384	5925	7012	8846	10714	12277	14539	17415	20137	21978
20°	3841	5373	7550	9833	12156	14498	16926	20034	23928	27242	30237
17.5°	5393	7014	9960	13065	16218	18720	22555	26283	31027	35835	39560
15°	7691	10303	13251	17279	21713	25542	29608	36149	41921	48101	53624
12.5°	10640	14102	18008	22640	28452	34460	40662	47566	55115	62539	70420
10°	13393	18151	23194	28894	35545	43132	50709	58532	69022	78530	86957
7.5°	15293	20897	27087	34054	42263	50333	58892	69529	81784	92565	101201
5°	17000	23350	29531	36574	46118	55342	65455	78402	92352	104175	112782
2.5°	18486	25320	31322	38417	48896	58493	69536	84966	101218	113060	122141
0°	19709	26378	32335	39643	50723	60607	71937	89095	107803	119766	128495
-2.5°	18525	24575	30456	37858	49023	59146	71391	88845	107204	120107	129120
-5°	17631	23156	28738	36063	45883	55270	66760	84710	104034	117071	126191
-7.5°	16938	21760	26836	33580	42564	52518	64837	82156	100416	113601	121865
-10°	16183	20325	25857	32655	41391	50880	61825	77845	96295	108981	118660
-12.5°	15953	20327	25898	31801	39836	48949	59384	73030	87171	100475	108962
-15°	15582	20020	25473	31025	38310	47086	55797	65882	77701	87314	96180
-17.5°	14855	19120	23218	28405	35495	43632	50232	58163	66691	74020	80708
-20°	13113	16014	19898	24790	30866	37454	43464	49186	54666	60250	64118



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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°	10034	12819	16076	20139	24956	30698	36008	39884	44243	48264	51570
-25°	7338	9379	12418	15885	19029	23627	27703	30320	34147	37153	40014
-27.5°	5306	7305	9783	12523	14880	17351	20948	23448	26457	28762	31149
-30°	3622	5823	8107	10348	12141	14007	16001	18466	20882	22819	24543
-32.5°	2512	4107	6339	8427	10048	11471	12781	14654	16462	18038	19330
-35°	1539	2670	4216	6204	7917	9285	10493	11686	12843	14029	15028
-37.5°	1302	1572	2535	3904	5536	7058	8242	9227	10100	11002	11713
-40°	1151	1312	1554	2055	3310	4575	5851	6911	7872	8672	9294
-42.5°	1051	1159	1277	1473	1706	2326	3423	4493	5535	6408	7140
-45°	1020	1074	1138	1243	1339	1528	1732	1943	2771	3649	4423
-47.5°	949	1036	1094	1139	1193	1278	1356	1456	1646	1835	1989
-50°	856	951	1030	1108	1163	1200	1228	1280	1356	1430	1489
-52.5°	743	835	927	1021	1099	1171	1238	1285	1320	1351	1366
-55°	640	717	794	889	982	1073	1159	1233	1302	1366	1402
-57.5°	539	605	674	759	842	924	1008	1093	1176	1254	1299
-60°	443	502	564	633	705	781	853	925	996	1060	1097
-62.5°	349	399	449	503	560	620	680	741	801	852	883
-65°	254	294	333	372	412	457	505	551	596	631	654
-67.5°	177	203	227	250	279	311	345	378	410	434	450
-70°	120	135	148	163	182	201	221	240	258	273	283
-72.5°	77	86	96	106	116	127	139	150	160	167	173
-75°	42	47	54	61	68	76	84	92	99	103	106
-77.5°	25	29	32	35	38	43	47	52	57	59	61
-80°	17	18	20	22	23	26	29	31	34	35	35
-82.5°	12	12	13	14	14	16	18	19	21	22	24
-85°	9	9	9	10	10	11	11	13	14	14	15
-87.5°	8	8	8	8	8	8	8	8	8	9	9
-90°	4	4	4	4	4	4	4	4	4	4	3



REPORT NUMBER: P701644 (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°	11	12	11	10	11	12	11	10	9	8	7
87.5°	3	2	1	0	1	2	3	3	4	4	4
85°	3	2	2	2	2	2	3	3	4	4	4
82.5°	3	2	2	2	2	2	3	3	4	4	4
80°	3	2	2	2	2	2	3	3	4	4	4
77.5°	3	2	3	4	3	2	3	3	4	4	5
75°	4	4	4	4	4	4	4	5	5	6	6
72.5°	6	6	6	6	6	6	6	6	6	6	6
70°	8	8	8	8	8	8	8	8	8	8	8
67.5°	11	12	12	12	12	12	11	10	10	10	11
65°	16	17	17	16	17	17	16	14	12	12	13
62.5°	17	18	18	18	18	18	17	15	14	13	14
60°	15	16	16	16	16	16	15	15	14	14	14
57.5°	15	16	16	16	16	16	15	15	14	14	14
55°	15	16	16	16	16	16	15	15	14	14	15
52.5°	18	18	18	18	18	18	18	17	16	16	15
50°	22	23	23	20	23	23	22	21	20	20	19
47.5°	30	29	28	28	28	29	30	30	29	27	24
45°	48	48	48	48	48	48	48	48	46	43	41
42.5°	87	87	86	84	86	87	87	84	82	71	58
40°	203	186	163	150	163	186	203	204	192	156	142
37.5°	458	471	473	464	473	471	458	437	414	381	348
35°	870	902	903	887	903	902	870	820	739	634	608
32.5°	1473	1543	1569	1563	1569	1543	1473	1475	1346	1188	1092
30°	3025	3046	2831	2436	2831	3046	3025	3270	2743	2523	2193
27.5°	8790	9602	9896	9767	9896	9602	8790	8109	6853	5932	4498
25°	15649	16184	16717	16779	16717	16184	15649	15207	13667	11228	9088
22.5°	23253	24013	24734	24569	24734	24013	23253	21978	20137	17415	14539
20°	32140	32664	33196	32607	33196	32664	32140	30237	27242	23928	20034
17.5°	43462	45928	48118	47128	48118	45928	43462	39560	35835	31027	26283
15°	58823	63117	65635	65502	65635	63117	58823	53624	48101	41921	36149
12.5°	76525	81012	83582	83050	83582	81012	76525	70420	62539	55115	47566
10°	92496	96019	99073	100269	99073	96019	92496	86957	78530	69022	58532
7.5°	106602	109228	111774	112230	111774	109228	106602	101201	92565	81784	69529
5°	118215	121934	123374	123945	123374	121934	118215	112782	104175	92352	78402
2.5°	127587	130989	132790	132258	132790	130989	127587	122141	113060	101218	84966
0°	132971	135664	137134	136783	137134	135664	132971	128495	119766	107803	89095
-2.5°	133501	135312	136463	136011	136463	135312	133501	129120	120107	107204	88845
-5°	129830	131303	131908	132166	131908	131303	129830	126191	117071	104034	84710
-7.5°	124771	126751	126450	126970	126450	126751	124771	121865	113601	100416	82156
-10°	121758	123585	123320	123461	123320	123585	121758	118660	108981	96295	77845
-12.5°	114448	117100	117507	117964	117507	117100	114448	108962	100475	87171	73030
-15°	102000	104915	106677	107074	106677	104915	102000	96180	87314	77701	65882
-17.5°	86269	90299	93133	93792	93133	90299	86269	80708	74020	66691	58163
-20°	68842	71727	73196	73987	73196	71727	68842	64118	60250	54666	49186



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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°	54185	56090	56909	57042	56909	56090	54185	51570	48264	44243	39884
-25°	42331	43630	44187	45009	44187	43630	42331	40014	37153	34147	30320
-27.5°	32851	33993	34502	35259	34502	33993	32851	31149	28762	26457	23448
-30°	25706	26394	26566	26604	26566	26394	25706	24543	22819	20882	18466
-32.5°	20334	21109	21571	21777	21571	21109	20334	19330	18038	16462	14654
-35°	15776	16287	16591	16933	16591	16287	15776	15028	14029	12843	11686
-37.5°	12265	12644	12854	12924	12854	12644	12265	11713	11002	10100	9227
-40°	9790	10166	10392	10426	10392	10166	9790	9294	8672	7872	6911
-42.5°	7696	8165	8468	8537	8468	8165	7696	7140	6408	5535	4493
-45°	4990	5426	5656	5642	5656	5426	4990	4423	3649	2771	1943
-47.5°	2088	2158	2188	2178	2188	2158	2088	1989	1835	1646	1456
-50°	1536	1576	1598	1603	1598	1576	1536	1489	1430	1356	1280
-52.5°	1379	1394	1399	1399	1399	1394	1379	1366	1351	1320	1285
-55°	1436	1468	1481	1481	1481	1468	1436	1402	1366	1302	1233
-57.5°	1340	1376	1393	1397	1393	1376	1340	1299	1254	1176	1093
-60°	1130	1159	1172	1175	1172	1159	1130	1097	1060	996	925
-62.5°	910	932	939	937	939	932	910	883	852	801	741
-65°	673	688	689	684	689	688	673	654	631	596	551
-67.5°	463	473	473	470	473	473	463	450	434	410	378
-70°	292	300	300	298	300	300	292	283	273	258	240
-72.5°	178	182	185	188	185	182	178	173	167	160	150
-75°	107	109	109	108	109	109	107	106	103	99	92
-77.5°	62	63	66	68	66	63	62	61	59	57	52
-80°	36	36	37	38	37	36	36	35	35	34	31
-82.5°	25	26	26	26	26	26	25	24	22	21	19
-85°	15	16	17	18	17	16	15	15	14	14	13
-87.5°	10	10	10	10	10	10	10	9	9	8	8
-90°	2	2	1	0	1	2	3	3	4	4	4



REPORT NUMBER: P701644 (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°	7	7	6	6	6	6	6	6	6	6	6
87.5°	4	4	4	4	4	4	4	5	5	6	6
85°	4	4	4	4	5	5	5	5	6	6	6
82.5°	4	4	4	5	5	6	6	6	6	6	6
80°	5	5	5	5	6	6	6	6	6	6	6
77.5°	5	6	6	6	6	6	6	7	7	7	7
75°	6	6	6	6	6	6	6	7	7	8	8
72.5°	7	7	7	7	7	8	8	8	8	8	8
70°	9	9	10	10	10	11	11	11	11	11	10
67.5°	11	12	14	15	16	16	16	15	14	14	13
65°	13	14	15	17	18	20	23	23	22	20	15
62.5°	15	16	16	17	18	21	27	31	32	28	21
60°	14	14	15	16	17	23	32	38	42	36	27
57.5°	14	14	15	15	16	24	34	45	52	41	31
55°	16	16	15	16	16	24	33	45	51	44	33
52.5°	14	15	16	16	18	23	30	41	44	39	32
50°	18	18	18	18	19	22	27	35	36	33	28
47.5°	23	23	22	21	22	22	25	29	31	28	24
45°	38	34	29	29	28	27	25	29	31	29	22
42.5°	64	59	50	46	41	38	34	36	37	34	30
40°	140	107	100	83	70	57	52	47	47	44	43
37.5°	308	265	231	174	138	95	79	67	59	63	61
35°	548	498	459	382	269	205	123	96	88	93	85
32.5°	842	853	776	674	584	409	263	144	158	150	123
30°	1870	1714	1287	1305	1305	836	485	379	282	233	177
27.5°	4345	3838	2946	2624	2609	1866	1122	774	496	366	270
25°	8063	7203	5751	4795	4317	3292	2067	1464	943	530	369
22.5°	12277	10714	8846	7012	5925	4384	3079	2309	1445	758	488
20°	16926	14498	12156	9833	7550	5373	3841	3149	2112	1071	603
17.5°	22555	18720	16218	13065	9960	7014	5393	4240	2947	1334	707
15°	29608	25542	21713	17279	13251	10303	7691	5684	3936	1836	942
12.5°	40662	34460	28452	22640	18008	14102	10640	7701	5091	2730	1325
10°	50709	43132	35545	28894	23194	18151	13393	9297	6097	3635	1743
7.5°	58892	50333	42263	34054	27087	20897	15293	10631	6947	4451	2179
5°	65455	55342	46118	36574	29531	23350	17000	11833	7648	5167	2611
2.5°	69536	58493	48896	38417	31322	25320	18486	12870	8241	5728	2987
0°	71937	60607	50723	39643	32335	26378	19709	13687	8721	6155	3315
-2.5°	71391	59146	49023	37858	30456	24575	18525	13381	9175	6248	3194
-5°	66760	55270	45883	36063	28738	23156	17631	13134	9418	6197	3009
-7.5°	64837	52518	42564	33580	26836	21760	16938	12979	9418	6112	3050
-10°	61825	50880	41391	32655	25857	20325	16183	12664	9223	5851	2978
-12.5°	59384	48949	39836	31801	25898	20327	15953	12270	8825	5412	2774
-15°	55797	47086	38310	31025	25473	20020	15582	11796	7969	4692	2424
-17.5°	50232	43632	35495	28405	23218	19120	14855	10707	6773	3761	1872
-20°	43464	37454	30866	24790	19898	16014	13113	8996	5432	2967	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°	36008	30698	24956	20139	16076	12819	10034	6783	3924	2098	1437
-25°	27703	23627	19029	15885	12418	9379	7338	4952	2881	1549	1218
-27.5°	20948	17351	14880	12523	9783	7305	5306	3345	1858	1324	1077
-30°	16001	14007	12141	10348	8107	5823	3622	2247	1424	1135	977
-32.5°	12781	11471	10048	8427	6339	4107	2512	1459	1186	1035	936
-35°	10493	9285	7917	6204	4216	2670	1539	1245	1063	959	910
-37.5°	8242	7058	5536	3904	2535	1572	1302	1112	981	931	860
-40°	5851	4575	3310	2055	1554	1312	1151	1019	961	886	797
-42.5°	3423	2326	1706	1473	1277	1159	1051	994	920	823	712
-45°	1732	1528	1339	1243	1138	1074	1020	940	849	739	620
-47.5°	1356	1278	1193	1139	1094	1036	949	860	755	647	548
-50°	1228	1200	1163	1108	1030	951	856	756	660	568	477
-52.5°	1238	1171	1099	1021	927	835	743	659	575	490	409
-55°	1159	1073	982	889	794	717	640	564	488	412	348
-57.5°	1008	924	842	759	674	605	539	470	407	347	289
-60°	853	781	705	633	564	502	443	387	333	281	229
-62.5°	680	620	560	503	449	399	349	302	257	214	175
-65°	505	457	412	372	333	294	254	219	188	157	126
-67.5°	345	311	279	250	227	203	177	151	130	113	94
-70°	221	201	182	163	148	135	120	105	91	78	64
-72.5°	139	127	116	106	96	86	77	67	56	46	37
-75°	84	76	68	61	54	47	42	37	33	29	24
-77.5°	47	43	38	35	32	29	25	22	20	19	17
-80°	29	26	23	22	20	18	17	15	14	14	13
-82.5°	18	16	14	14	13	12	12	12	11	11	11
-85°	11	11	10	10	9	9	9	9	9	9	9
-87.5°	8	8	8	8	8	8	8	8	8	7	7
-90°	4	4	4	4	4	4	4	5	5	6	6



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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°	7	7	8	8	8	8	8	8	8	8	8
87.5°	6	7	7	7	7	8	8	8	8	8	8
85°	7	7	8	8	8	8	8	8	8	8	8
82.5°	7	7	8	8	8	8	8	8	8	8	8
80°	7	7	8	8	8	8	8	8	8	8	8
77.5°	7	7	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	9	9	8	8	8	8	8
70°	9	8	8	8	9	9	9	9	9	9	9
67.5°	11	10	9	9	9	9	10	10	9	9	9
65°	13	12	10	9	9	9	10	10	10	10	10
62.5°	17	14	12	10	10	10	10	10	10	10	10
60°	20	16	14	12	11	10	10	10	10	10	10
57.5°	22	17	15	13	12	11	10	10	10	10	10
55°	23	17	16	14	13	11	10	10	10	10	10
52.5°	23	18	17	15	14	12	11	10	10	10	10
50°	20	19	18	16	14	13	12	11	10	10	10
47.5°	20	21	19	17	15	14	13	11	10	10	10
45°	23	22	21	18	16	15	13	12	11	10	10
42.5°	28	26	23	20	18	15	14	13	11	10	10
40°	39	33	27	25	20	16	15	13	12	11	10
37.5°	52	44	35	35	25	19	15	14	12	11	10
35°	72	58	51	49	37	21	16	14	13	12	11
32.5°	95	85	79	66	54	24	18	15	14	12	11
30°	140	134	114	85	73	40	21	16	15	13	11
27.5°	209	194	159	117	90	58	25	18	15	13	12
25°	282	257	217	157	109	77	29	19	17	14	12
22.5°	370	318	283	202	133	97	39	23	18	15	13
20°	451	376	353	246	166	116	55	26	19	15	13
17.5°	530	452	408	298	203	137	71	30	20	16	13
15°	678	559	471	351	238	160	86	33	21	17	14
12.5°	848	673	544	404	270	184	100	36	23	17	14
10°	1024	790	624	455	300	209	113	41	24	18	14
7.5°	1201	909	709	505	334	246	144	48	26	19	14
5°	1364	1021	797	582	399	297	179	56	28	19	14
2.5°	1465	1118	882	658	461	346	212	63	30	20	14
0°	1551	1207	959	729	522	392	244	70	32	20	14
-2.5°	1552	1210	985	797	588	441	282	90	44	25	16
-5°	1540	1206	1008	858	650	486	315	110	55	31	18
-7.5°	1570	1218	1030	907	706	526	342	127	65	35	19
-10°	1590	1234	1044	905	706	538	358	142	75	39	21
-12.5°	1584	1237	1052	893	692	523	344	153	82	43	22
-15°	1547	1227	1056	871	671	506	327	160	89	46	23
-17.5°	1457	1201	1053	838	644	487	309	165	94	49	25
-20°	1320	1141	1039	795	610	465	290	167	97	51	27



REPORT NUMBER: P701644 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1192	1069	955	751	575	442	270	167	98	52	28
-25°	1064	1002	868	694	545	413	259	163	96	51	29
-27.5°	977	932	790	636	507	385	253	161	94	49	29
-30°	914	848	721	579	466	347	244	156	91	48	28
-32.5°	875	776	653	531	421	308	225	149	87	48	28
-35°	822	710	586	479	376	279	201	138	81	46	27
-37.5°	764	641	526	426	330	248	179	121	72	43	26
-40°	684	571	467	376	291	215	156	106	66	40	24
-42.5°	602	505	413	328	253	188	133	90	59	36	22
-45°	529	441	361	285	214	161	115	75	52	33	19
-47.5°	457	382	311	242	182	134	96	66	44	29	18
-50°	393	327	264	205	151	112	78	56	38	24	17
-52.5°	338	277	221	169	126	90	67	46	32	21	15
-55°	286	229	178	137	102	75	55	39	25	19	14
-57.5°	234	181	143	109	83	62	44	31	21	16	13
-60°	182	144	110	87	67	49	34	24	19	14	13
-62.5°	139	109	88	68	51	37	25	20	16	14	13
-65°	104	85	66	51	37	26	21	17	15	13	12
-67.5°	76	61	46	33	26	21	17	15	14	13	12
-70°	51	38	30	25	20	17	15	14	13	12	11
-72.5°	31	26	21	18	16	15	14	14	13	12	10
-75°	20	18	17	16	15	14	13	13	12	11	10
-77.5°	16	15	14	14	13	13	13	12	11	11	10
-80°	13	13	13	13	12	12	12	11	11	10	10
-82.5°	11	11	11	11	11	11	11	11	10	10	10
-85°	9	10	10	10	10	10	10	10	10	9	9
-87.5°	8	8	9	9	9	9	9	9	9	9	9
-90°	6	6	6	6	7	7	8	8	8	8	8



REPORT NUMBER: P701644 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV2-S

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°	9	8	8	8	8	8	8
65°	9	8	8	8	8	8	8
62.5°	9	9	8	8	8	8	8
60°	10	9	8	8	8	8	8
57.5°	10	9	8	8	8	8	8
55°	10	10	9	8	8	8	8
52.5°	10	10	9	8	8	8	8
50°	10	10	9	8	8	8	8
47.5°	10	10	9	8	8	8	8
45°	10	10	10	8	8	8	8
42.5°	10	10	10	8	8	8	8
40°	10	10	10	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°	11	10	10	9	8	8	8
22.5°	11	10	10	9	8	8	8
20°	11	10	10	9	8	8	8
17.5°	11	10	10	9	8	8	8
15°	12	10	10	9	8	8	8
12.5°	12	10	10	9	8	8	8
10°	12	10	10	8	8	8	8
7.5°	12	10	10	8	8	8	8
5°	12	10	10	8	8	8	8
2.5°	12	10	10	8	8	8	8
0°	12	10	10	8	8	8	8
-2.5°	13	10	10	8	8	8	8
-5°	14	11	10	8	8	8	8
-7.5°	14	11	10	8	8	8	8
-10°	15	12	10	8	8	8	8
-12.5°	15	12	10	9	8	8	8
-15°	16	12	10	9	8	8	8
-17.5°	16	12	10	9	8	8	8
-20°	17	12	10	9	8	8	8



REPORT NUMBER: P701644 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

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







Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

