

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: P701324 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-3S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701324 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-3S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

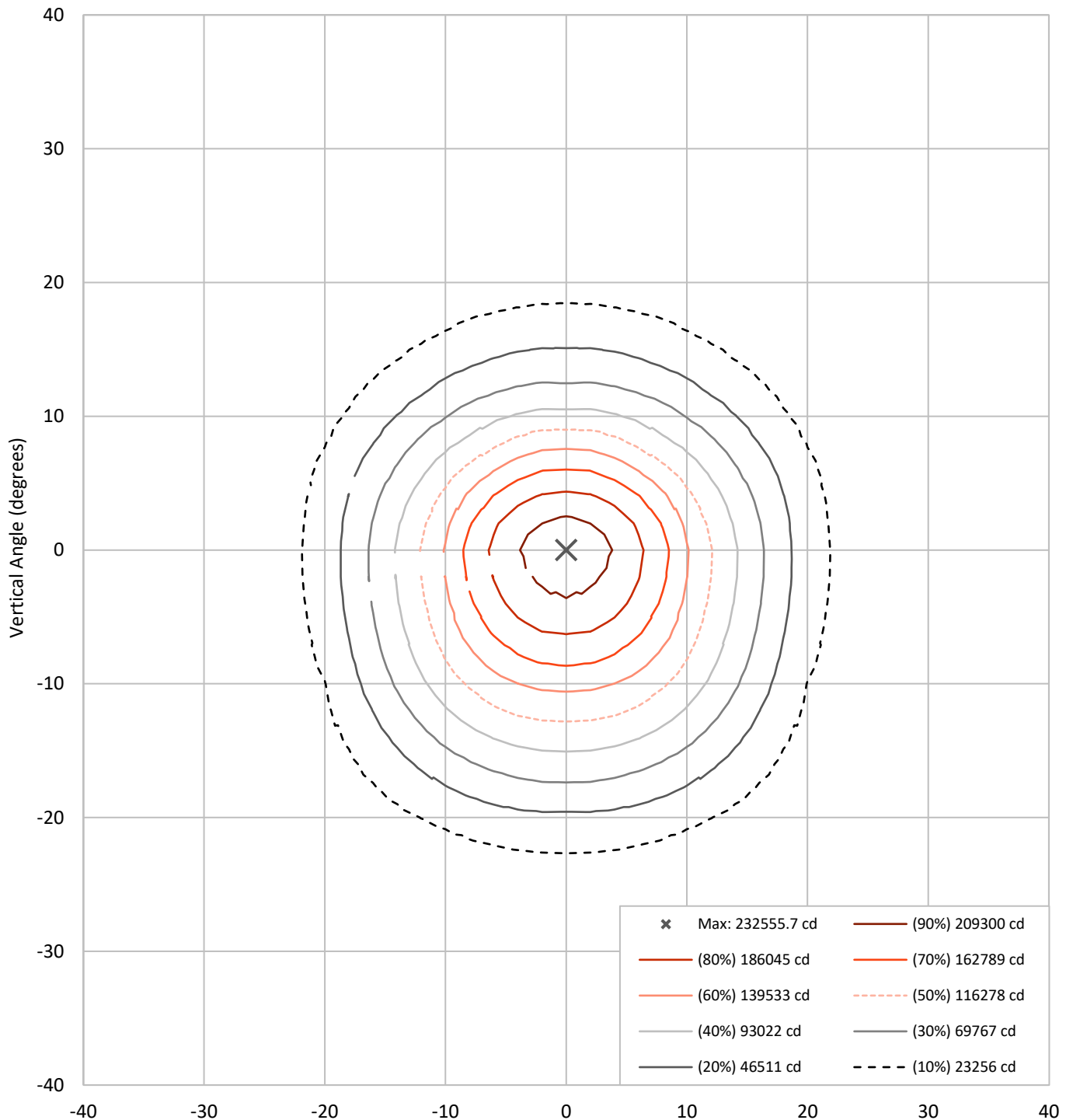
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	45903.7 lumens	Max Intensity:	232555.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	20799.6 lumens	Field Lumens:	39361.6 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 344.2
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





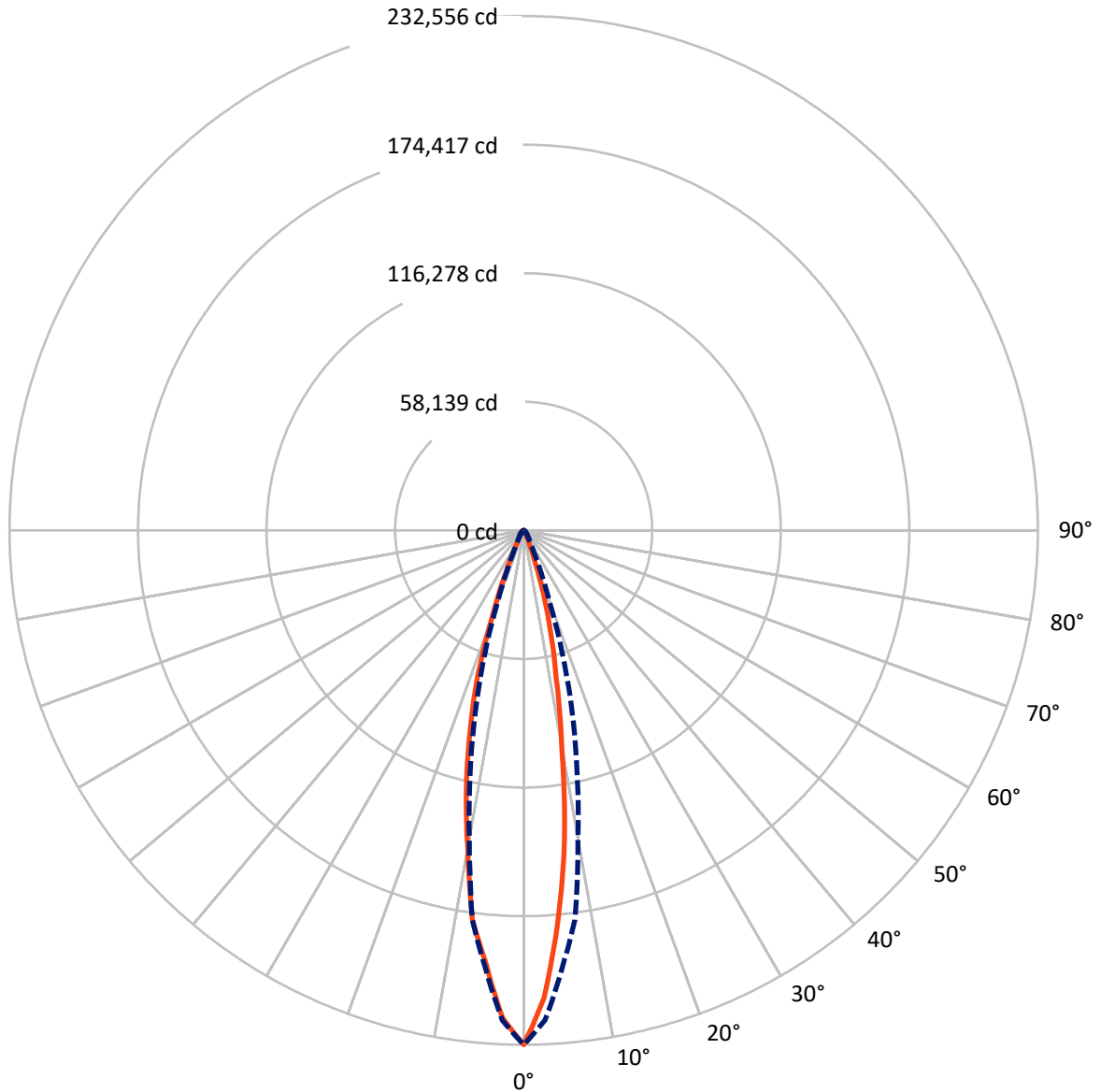
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Lumen Table

90	0.1		0.4		0.5		0.4		0.3		0.4		0.5		0.4		0.1		
80	0.1		0.4		0.5		0.4		0.3		0.4		0.5		0.4		0.1		
70	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.1	0.1	0.1	0.1	0.1	
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1				
50	0.2	0.1	0.3	0.3	0.4	0.6	0.7	0.9	0.9	0.7	0.6	0.4	0.3	0.3	0.1	0.2	0.2	0.2	
40		0.1	0.6	1.3	2.5	3.8	4.9	6.0	6.0	4.9	3.8	2.5	1.3	0.6	0.1				
30	0.2	0.3	1.9	6.1	16.0	27.5	63.1	131.8	131.8	63.1	27.5	16.0	6.1	1.9	0.3	0.2	0.2	0.2	
20		0.6	4.5	16.3	40.2	110.2	579.3	1360.1	1360.1	579.3	110.2	40.2	16.3	4.5	0.6				
10	0.2	1.2	8.0	30.5	73.6	331.8	1999.5	4574.1	4574.1	1999.5	331.8	73.6	30.5	8.0	1.2	0.2	0.2	0.2	
0		2.0	10.6	36.8	84.5	358.1	2307.5	5199.8	5199.8	2307.5	358.1	84.5	36.8	10.6	2.0				
-10	0.4	2.3	10.7	35.0	77.6	208.7	1179.9	2583.2	2583.2	1179.9	208.7	77.6	35.0	10.7	2.3	0.4	0.4	0.4	
-20		2.2	8.9	22.9	53.4	94.2	216.3	440.8	440.8	216.3	94.2	53.4	22.9	8.9	2.2				
-30	0.3	1.9	6.5	14.0	31.0	55.4	76.6	92.7	92.7	76.6	55.4	31.0	14.0	6.5	1.9	0.3	0.3	0.3	
-40		1.3	4.5	9.8	17.8	30.6	49.7	64.6	64.6	49.7	30.6	17.8	9.8	4.5	1.3				
-50	0.2	0.6	2.8	6.5	11.6	17.5	22.8	26.2	26.2	22.8	17.5	11.6	6.5	2.8	0.6	0.2	0.2	0.2	
-60		0.2	1.0	3.3	6.5	10.5	14.4	16.8	16.8	14.4	10.5	6.5	3.3	1.0	0.2				
-70	0.1	0.6		2.3		6.3		9.1		6.3		2.3		0.6		0.1	0.1	0.1	
-80		0.6		2.3		6.3		9.1		6.3		2.3		0.6					
-90	0.1		0.6		2.3		6.3		9.1		6.3		2.3		0.6		0.1		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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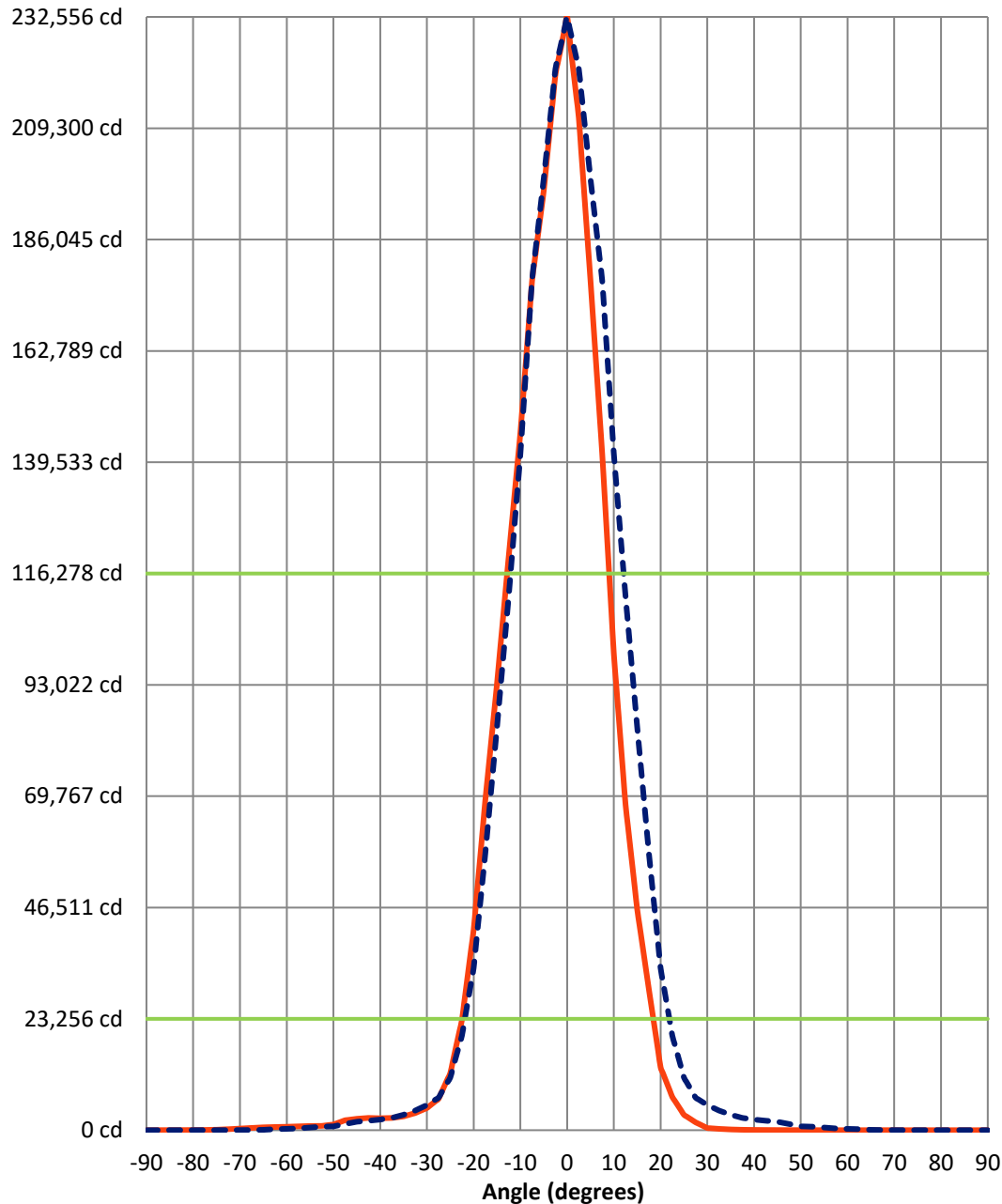
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 21.8°
 Lumens: 20799.6
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 39361.6
 Efficiency: 85.7%

Spill:
 Lumens: 6542.2
 Efficiency: 14.3%

— 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°	6	6	6	6	6	6	6	6	7	7	7
87.5°	6	6	6	6	6	6	6	6	6	6	6
85°	6	6	6	6	6	6	6	6	6	6	6
82.5°	6	6	6	6	6	6	6	6	6	6	6
80°	6	6	6	6	6	6	6	6	6	6	6
77.5°	6	6	7	7	7	6	6	6	6	6	6
75°	6	6	7	7	7	7	7	7	7	6	6
72.5°	6	6	7	7	7	7	7	7	7	6	6
70°	6	6	7	7	7	7	7	7	7	6	6
67.5°	6	6	7	7	7	7	7	7	7	6	6
65°	6	6	7	7	7	7	7	7	7	7	6
62.5°	6	6	7	7	7	7	7	7	7	7	7
60°	6	6	7	7	7	7	7	7	7	7	7
57.5°	6	6	7	7	7	7	7	7	7	7	7
55°	6	6	7	7	7	7	7	7	7	7	7
52.5°	6	6	7	7	7	7	7	7	7	7	7
50°	6	6	7	7	7	7	7	7	7	7	8
47.5°	6	6	7	7	7	7	7	7	7	7	8
45°	6	6	7	7	7	7	7	7	7	8	9
42.5°	6	6	7	7	7	7	7	8	7	8	9
40°	6	6	7	7	7	7	8	8	8	8	9
37.5°	6	6	7	7	7	7	8	8	8	9	10
35°	6	6	7	7	7	7	8	8	8	9	10
32.5°	6	6	7	7	7	7	8	8	9	10	11
30°	6	6	7	7	7	8	8	8	9	10	12
27.5°	6	6	7	7	7	8	8	8	9	11	13
25°	6	6	7	7	7	8	8	8	10	12	15
22.5°	6	6	7	7	7	8	8	9	10	13	18
20°	6	6	7	7	7	8	8	9	11	14	21
17.5°	6	6	7	7	7	8	8	9	11	16	24
15°	6	6	7	7	7	8	9	9	12	17	27
12.5°	6	6	7	7	7	8	9	10	13	19	29
10°	6	6	7	7	7	8	9	10	15	22	34
7.5°	6	6	7	7	7	8	9	10	16	25	44
5°	6	6	7	7	7	8	9	10	18	28	54
2.5°	6	6	7	7	7	8	9	11	19	31	63
0°	6	6	7	7	7	8	10	11	20	33	73
-2.5°	6	6	7	7	7	8	11	14	27	45	89
-5°	6	6	7	7	7	8	11	18	33	55	103
-7.5°	6	6	7	7	7	8	12	21	39	65	117
-10°	6	6	7	7	7	8	13	24	45	74	129
-12.5°	6	6	7	7	7	8	14	26	49	82	137
-15°	6	6	7	7	7	8	14	28	54	88	143
-17.5°	6	6	7	7	7	8	14	30	57	94	147
-20°	6	6	7	7	7	8	14	31	60	98	149



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6	6	7	7	7	8	15	32	62	101	150
-25°	6	6	7	7	7	8	15	32	62	103	148
-27.5°	6	6	7	7	7	8	14	31	61	103	150
-30°	6	6	7	7	7	8	13	30	60	102	150
-32.5°	6	6	7	7	7	8	12	28	58	99	148
-35°	6	6	7	7	7	8	12	27	55	95	145
-37.5°	6	6	7	7	7	8	12	25	50	88	134
-40°	6	6	7	7	8	8	11	22	44	82	122
-42.5°	6	6	7	7	8	8	11	18	39	72	108
-45°	6	6	6	7	8	8	10	15	34	61	95
-47.5°	6	6	6	7	8	8	10	14	28	49	82
-50°	6	6	6	7	8	8	9	13	21	41	68
-52.5°	6	6	6	7	8	8	9	12	17	32	53
-55°	6	6	6	7	8	8	9	11	15	23	42
-57.5°	6	6	6	7	8	8	9	10	13	19	31
-60°	6	6	6	7	8	8	9	10	12	16	22
-62.5°	6	6	6	7	7	8	9	10	11	13	18
-65°	6	6	6	7	7	8	9	10	11	12	15
-67.5°	6	6	6	6	7	8	9	9	10	11	13
-70°	6	6	6	6	7	8	8	9	10	10	12
-72.5°	6	6	6	6	7	7	8	9	9	10	10
-75°	6	6	6	6	7	7	8	8	8	9	10
-77.5°	6	6	6	6	6	7	8	8	8	8	9
-80°	6	6	6	6	6	7	7	7	8	8	8
-82.5°	6	6	6	6	6	7	7	7	7	7	8
-85°	6	6	6	6	6	6	7	7	7	7	7
-87.5°	6	6	6	6	6	6	6	7	7	7	7
-90°	6	6	6	6	6	6	6	6	6	6	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°	7	7	6	6	6	6	6	6	6	5	5
87.5°	6	5	5	5	5	5	5	5	5	4	4
85°	6	5	5	5	5	5	5	5	5	4	4
82.5°	6	6	6	6	6	5	5	5	5	4	4
80°	6	6	6	6	6	5	5	5	5	4	4
77.5°	6	6	6	6	6	5	5	5	5	4	4
75°	6	6	6	6	6	6	5	5	5	5	5
72.5°	6	6	6	6	6	6	6	6	6	6	6
70°	6	6	6	6	6	6	7	7	8	8	10
67.5°	6	6	6	6	6	7	8	11	15	17	18
65°	7	7	7	7	7	9	13	18	23	24	24
62.5°	7	7	7	8	10	13	18	23	29	27	24
60°	7	7	8	10	12	17	22	25	26	26	22
57.5°	7	8	9	12	16	19	20	22	23	24	19
55°	8	9	11	14	17	17	17	18	19	18	14
52.5°	8	10	13	16	16	15	14	15	14	12	10
50°	9	11	14	16	16	14	12	12	11	10	9
47.5°	10	12	15	16	15	13	12	11	11	11	10
45°	11	13	16	16	15	14	14	12	14	14	14
42.5°	11	14	16	16	16	17	16	17	18	20	21
40°	11	14	17	18	19	20	23	25	25	28	29
37.5°	12	15	19	24	23	26	30	37	39	36	41
35°	12	17	26	32	33	34	44	54	60	54	59
32.5°	13	20	34	43	49	51	60	81	91	93	93
30°	16	28	44	56	71	82	92	115	131	173	206
27.5°	20	37	57	76	97	119	141	159	213	290	377
25°	23	51	70	100	133	165	194	219	324	482	588
22.5°	31	67	90	126	172	214	250	316	463	697	811
20°	43	84	115	159	216	264	307	418	632	852	993
17.5°	56	101	141	199	272	326	370	516	795	1005	1149
15°	70	119	167	243	334	401	490	670	940	1156	1333
12.5°	84	138	193	290	400	477	636	897	1138	1327	1591
10°	98	156	218	338	468	552	797	1122	1355	1549	1853
7.5°	126	182	244	385	537	627	966	1340	1557	1755	2076
5°	156	215	286	444	605	695	1122	1549	1747	1947	2265
2.5°	185	247	326	502	668	750	1216	1665	1871	2095	2425
0°	212	278	364	554	727	801	1292	1762	1974	2220	2566
-2.5°	234	308	400	584	747	830	1307	1798	2028	2291	2633
-5°	252	335	433	609	763	856	1304	1811	2073	2345	2695
-7.5°	266	361	462	627	771	868	1300	1828	2122	2381	2745
-10°	274	371	469	624	769	871	1272	1818	2162	2408	2760
-12.5°	266	368	467	616	764	870	1210	1779	2194	2426	2731
-15°	256	362	461	603	755	867	1112	1709	2178	2360	2644
-17.5°	245	355	449	584	744	860	967	1531	2014	2246	2551
-20°	235	345	432	560	729	827	900	1307	1778	2106	2387



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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°	224	333	414	538	672	772	849	1078	1535	1933	2142
-25°	218	316	399	496	612	716	791	873	1280	1663	1926
-27.5°	216	301	376	455	556	657	728	805	1029	1391	1707
-30°	211	280	352	418	507	595	665	744	834	1127	1418
-32.5°	199	259	328	391	462	539	617	694	771	877	1145
-35°	185	241	303	363	420	493	571	647	713	781	929
-37.5°	174	222	279	335	389	452	523	597	664	726	810
-40°	162	201	256	309	360	414	477	544	613	685	751
-42.5°	148	186	232	283	331	380	432	493	561	637	705
-45°	133	170	208	255	301	346	394	443	510	578	649
-47.5°	117	153	189	227	270	312	356	406	458	520	584
-50°	100	135	169	204	241	279	317	368	418	466	521
-52.5°	83	115	148	181	214	248	285	330	377	422	467
-55°	65	95	126	158	189	220	256	295	336	380	421
-57.5°	50	74	103	133	162	193	228	262	299	337	375
-60°	37	55	78	106	135	164	199	233	264	295	330
-62.5°	24	38	56	77	103	133	164	197	233	261	289
-65°	20	24	36	53	70	95	124	154	185	213	243
-67.5°	15	20	24	30	45	62	80	105	132	155	179
-70°	13	15	19	22	26	33	48	63	79	94	113
-72.5°	12	14	15	17	20	24	27	31	39	51	62
-75°	11	12	13	15	17	18	20	23	26	28	31
-77.5°	9	10	11	13	14	15	16	17	19	20	22
-80°	8	9	10	11	11	12	12	13	14	15	16
-82.5°	8	8	8	9	9	9	9	9	10	10	11
-85°	7	7	7	8	8	8	8	8	8	8	8
-87.5°	7	7	7	7	7	7	7	7	7	6	6
-90°	6	5	5	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	5	5	6	6	7	8
87.5°	4	3	3	3	2	2	2	2	1	1	1
85°	4	3	3	3	2	2	2	2	1	1	1
82.5°	4	3	3	3	3	3	3	3	2	2	2
80°	4	4	4	4	4	3	3	3	2	2	2
77.5°	4	4	4	4	4	3	3	3	2	2	2
75°	5	5	4	4	4	3	3	3	2	2	2
72.5°	6	6	5	6	6	5	5	5	4	4	5
70°	11	12	12	11	10	9	8	7	6	6	6
67.5°	17	17	16	14	12	10	9	8	7	7	7
65°	22	18	16	13	12	10	9	8	7	6	6
62.5°	20	16	13	11	10	9	8	7	6	5	5
60°	17	13	10	8	7	6	6	5	5	5	5
57.5°	14	10	7	7	6	5	5	5	5	5	5
55°	10	8	7	7	7	6	6	6	6	6	6
52.5°	8	8	8	8	8	7	7	7	7	7	8
50°	9	9	9	9	9	9	8	9	9	10	10
47.5°	10	11	11	11	11	11	11	11	13	14	15
45°	13	15	16	16	16	18	18	19	22	24	24
42.5°	21	23	25	26	26	30	35	38	38	37	38
40°	32	34	39	42	48	53	54	49	49	55	55
37.5°	48	54	64	75	78	74	76	80	84	89	95
35°	76	98	103	111	116	111	113	123	123	140	149
32.5°	135	169	180	172	187	195	169	202	209	226	247
30°	220	291	313	303	342	354	331	398	438	437	537
27.5°	418	454	495	558	566	587	720	823	954	1078	1238
25°	640	660	778	856	895	1035	1233	1394	1671	1930	2469
22.5°	844	919	1063	1188	1329	1555	1827	2126	2863	3770	4907
20°	1044	1143	1316	1540	1764	2072	2434	3380	4829	7026	9400
17.5°	1270	1365	1601	1918	2259	2720	3830	5638	8715	13012	17157
15°	1563	1728	1988	2456	3109	4197	6006	10465	16609	23291	30455
12.5°	1907	2177	2601	3207	4146	6718	11264	18423	27605	36989	48763
10°	2239	2692	3340	4295	6163	10217	16989	27322	41390	55900	68903
7.5°	2531	3130	4003	5340	8306	14165	23908	38306	55841	73771	91256
5°	2829	3541	4558	6123	9614	17023	29528	48361	69547	91264	114086
2.5°	3074	3887	5022	6772	10386	18559	33014	55365	79843	104706	133104
0°	3221	4101	5251	6792	10993	19769	33875	57844	84190	111526	141248
-2.5°	3225	4056	5140	6728	10863	19438	33935	57782	83956	110284	139614
-5°	3215	3955	4972	6497	10086	17713	31332	54039	79819	104734	131449
-7.5°	3200	3820	4734	6127	9091	15630	28333	49120	73443	96651	120565
-10°	3182	3681	4515	5810	8190	13152	22792	41722	64036	85451	105061
-12.5°	3167	3624	4338	5374	7095	11021	19242	34096	52166	70249	87620
-15°	3108	3548	4194	5049	6445	9191	14365	24632	39470	53754	67544
-17.5°	2989	3440	3847	4512	5519	7310	10700	16887	26413	37580	47308
-20°	2754	3064	3401	3966	4741	5684	7230	10755	15285	22568	27669



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2406	2667	2950	3327	3872	4537	5362	6665	9029	11836	14939
-25°	2089	2276	2539	2862	3154	3588	4166	4672	5693	6518	8225
-27.5°	1848	2003	2242	2493	2708	2940	3343	3700	4197	4630	5324
-30°	1674	1833	2025	2215	2419	2616	2796	3067	3365	3648	4015
-32.5°	1459	1710	1849	2010	2192	2364	2501	2673	2837	3024	3226
-35°	1234	1509	1722	1846	1981	2145	2286	2403	2512	2628	2735
-37.5°	970	1274	1516	1699	1822	1937	2088	2201	2273	2369	2442
-40°	834	955	1231	1479	1638	1819	1960	2079	2211	2313	2373
-42.5°	767	838	911	1114	1363	1580	1761	1958	2134	2274	2404
-45°	716	766	818	886	955	1159	1382	1611	1817	2009	2174
-47.5°	647	706	754	796	839	902	968	1061	1259	1459	1650
-50°	577	631	683	733	773	804	830	871	930	989	1048
-52.5°	510	560	608	656	703	745	781	810	834	855	869
-55°	463	502	539	585	630	672	711	746	779	808	829
-57.5°	413	452	490	529	566	602	638	674	707	737	757
-60°	365	398	436	475	512	547	581	612	642	667	683
-62.5°	318	349	382	418	456	492	526	558	588	613	629
-65°	272	298	326	355	386	417	449	482	515	541	559
-67.5°	204	230	258	287	313	337	360	384	408	428	443
-70°	133	152	172	191	213	235	256	275	293	308	320
-72.5°	72	81	92	107	121	136	150	164	176	186	193
-75°	33	38	46	53	60	67	74	80	86	90	93
-77.5°	24	26	27	29	31	34	37	40	42	45	48
-80°	17	18	19	20	21	22	24	26	27	29	30
-82.5°	11	12	13	13	14	15	16	17	17	19	20
-85°	8	8	8	9	9	10	10	11	12	13	14
-87.5°	6	6	6	6	6	6	7	8	8	9	10
-90°	4	3	3	3	2	2	2	2	1	1	1



REPORT NUMBER: P701324 (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°	9	10	10	11	10	10	9	8	7	6	6
87.5°	1	1	1	0	1	1	1	1	1	1	2
85°	1	1	1	0	1	1	1	1	1	1	2
82.5°	1	1	1	1	1	1	1	2	2	2	3
80°	2	1	1	1	1	1	2	2	2	2	3
77.5°	2	1	1	1	1	1	2	2	2	2	3
75°	2	2	2	2	2	2	2	2	2	2	3
72.5°	5	5	5	5	5	5	5	5	4	4	5
70°	6	6	6	6	6	6	6	6	6	6	7
67.5°	7	7	7	7	7	7	7	7	7	7	8
65°	6	6	6	6	6	6	6	6	6	7	8
62.5°	6	6	6	6	6	6	6	5	5	6	7
60°	5	5	5	5	5	5	5	5	5	5	5
57.5°	5	5	5	6	5	5	5	5	5	5	5
55°	6	6	6	7	6	6	6	6	6	6	6
52.5°	8	8	8	8	8	8	8	8	7	7	7
50°	10	11	11	11	11	11	10	10	10	9	9
47.5°	15	15	16	16	16	15	15	15	14	13	11
45°	24	25	25	25	25	25	24	24	24	22	19
42.5°	39	40	40	40	40	40	39	38	37	38	38
40°	56	56	56	55	56	56	56	55	55	49	49
37.5°	98	94	88	85	88	94	98	95	89	84	80
35°	151	154	154	153	154	154	151	149	140	123	123
32.5°	253	265	269	277	269	265	253	247	226	209	202
30°	521	518	472	453	472	518	521	537	437	438	398
27.5°	1404	1566	1643	1637	1643	1566	1404	1238	1078	954	823
25°	2892	3152	3324	3211	3324	3152	2892	2469	1930	1671	1394
22.5°	5967	6533	6842	6953	6842	6533	5967	4907	3770	2863	2126
20°	11958	13027	13808	13156	13808	13027	11958	9400	7026	4829	3380
17.5°	22200	25527	28470	29390	28470	25527	22200	17157	13012	8715	5638
15°	37361	42980	46319	46125	46319	42980	37361	30455	23291	16609	10465
12.5°	57484	64418	69044	68015	69044	64418	57484	48763	36989	27605	18423
10°	81664	92166	99797	99445	99797	92166	81664	68903	55900	41390	27322
7.5°	106732	123973	138938	141456	138938	123973	106732	91256	73771	55841	38306
5°	139061	161785	176646	177495	176646	161785	139061	114086	91264	69547	48361
2.5°	165284	191353	203894	211493	203894	191353	165284	133104	104706	79843	55365
0°	177570	198762	221692	232556	221692	198762	177570	141248	111526	84190	57844
-2.5°	172530	195239	208997	220511	208997	195239	172530	139614	110284	83956	57782
-5°	161099	183600	195141	196218	195141	183600	161099	131449	104734	79819	54039
-7.5°	142437	161517	173634	177404	173634	161517	142437	120565	96651	73443	49120
-10°	122605	136326	144157	145659	144157	136326	122605	105061	85451	64036	41722
-12.5°	101986	113219	118623	119803	118623	113219	101986	87620	70249	52166	34096
-15°	79145	87598	92463	93310	92463	87598	79145	67544	53754	39470	24632
-17.5°	56492	63361	68290	68945	68290	63361	56492	47308	37580	26413	16887
-20°	34703	39377	42260	41837	42260	39377	34703	27669	22568	15285	10755



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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°	18684	21203	22421	23051	22421	21203	18684	14939	11836	9029	6665
-25°	9876	10943	11490	11919	11490	10943	9876	8225	6518	5693	4672
-27.5°	5876	6243	6447	6559	6447	6243	5876	5324	4630	4197	3700
-30°	4308	4484	4577	4623	4577	4484	4308	4015	3648	3365	3067
-32.5°	3387	3491	3556	3579	3556	3491	3387	3226	3024	2837	2673
-35°	2810	2845	2857	2880	2857	2845	2810	2735	2628	2512	2403
-37.5°	2497	2530	2546	2559	2546	2530	2497	2442	2369	2273	2201
-40°	2400	2434	2470	2495	2470	2434	2400	2373	2313	2211	2079
-42.5°	2461	2517	2556	2561	2556	2517	2461	2404	2274	2134	1958
-45°	2267	2331	2366	2378	2366	2331	2267	2174	2009	1817	1611
-47.5°	1819	1966	2053	2073	2053	1966	1819	1650	1459	1259	1061
-50°	1104	1156	1185	1189	1185	1156	1104	1048	989	930	871
-52.5°	879	889	895	898	895	889	879	869	855	834	810
-55°	847	862	871	875	871	862	847	829	808	779	746
-57.5°	775	791	798	800	798	791	775	757	737	707	674
-60°	698	712	716	716	716	712	698	683	667	642	612
-62.5°	644	658	665	668	665	658	644	629	613	588	558
-65°	574	587	592	594	592	587	574	559	541	515	482
-67.5°	457	470	473	473	473	470	457	443	428	408	384
-70°	330	338	339	338	339	338	330	320	308	293	275
-72.5°	199	204	206	206	206	204	199	193	186	176	164
-75°	95	97	99	99	99	97	95	93	90	86	80
-77.5°	50	52	53	54	53	52	50	48	45	42	40
-80°	32	33	33	34	33	33	32	30	29	27	26
-82.5°	21	23	23	23	23	23	21	20	19	17	17
-85°	15	16	16	17	16	16	15	14	13	12	11
-87.5°	11	12	12	12	12	12	11	10	9	8	8
-90°	0	0	0	0	0	0	0	1	1	1	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°	5	5	5	5	5	5	5	5	5	6	6
87.5°	2	2	2	3	3	3	4	4	4	5	5
85°	2	2	2	3	3	3	4	4	4	5	5
82.5°	3	3	3	3	3	3	4	4	4	5	5
80°	3	3	4	4	4	4	4	4	4	5	5
77.5°	3	3	4	4	4	4	4	4	4	5	5
75°	3	3	4	4	4	5	5	5	5	5	5
72.5°	5	5	6	6	5	6	6	6	6	6	6
70°	8	9	10	11	12	12	11	10	8	8	7
67.5°	9	10	12	14	16	17	17	18	17	15	11
65°	9	10	12	13	16	18	22	24	24	23	18
62.5°	8	9	10	11	13	16	20	24	27	29	23
60°	6	6	7	8	10	13	17	22	26	26	25
57.5°	5	5	6	7	7	10	14	19	24	23	22
55°	6	6	7	7	7	8	10	14	18	19	18
52.5°	7	7	8	8	8	8	8	10	12	14	15
50°	8	9	9	9	9	9	9	9	10	11	12
47.5°	11	11	11	11	11	11	10	10	11	11	11
45°	18	18	16	16	16	15	13	14	14	14	12
42.5°	35	30	26	26	25	23	21	21	20	18	17
40°	54	53	48	42	39	34	32	29	28	25	25
37.5°	76	74	78	75	64	54	48	41	36	39	37
35°	113	111	116	111	103	98	76	59	54	60	54
32.5°	169	195	187	172	180	169	135	93	93	91	81
30°	331	354	342	303	313	291	220	206	173	131	115
27.5°	720	587	566	558	495	454	418	377	290	213	159
25°	1233	1035	895	856	778	660	640	588	482	324	219
22.5°	1827	1555	1329	1188	1063	919	844	811	697	463	316
20°	2434	2072	1764	1540	1316	1143	1044	993	852	632	418
17.5°	3830	2720	2259	1918	1601	1365	1270	1149	1005	795	516
15°	6006	4197	3109	2456	1988	1728	1563	1333	1156	940	670
12.5°	11264	6718	4146	3207	2601	2177	1907	1591	1327	1138	897
10°	16989	10217	6163	4295	3340	2692	2239	1853	1549	1355	1122
7.5°	23908	14165	8306	5340	4003	3130	2531	2076	1755	1557	1340
5°	29528	17023	9614	6123	4558	3541	2829	2265	1947	1747	1549
2.5°	33014	18559	10386	6772	5022	3887	3074	2425	2095	1871	1665
0°	33875	19769	10993	6792	5251	4101	3221	2566	2220	1974	1762
-2.5°	33935	19438	10863	6728	5140	4056	3225	2633	2291	2028	1798
-5°	31332	17713	10086	6497	4972	3955	3215	2695	2345	2073	1811
-7.5°	28333	15630	9091	6127	4734	3820	3200	2745	2381	2122	1828
-10°	22792	13152	8190	5810	4515	3681	3182	2760	2408	2162	1818
-12.5°	19242	11021	7095	5374	4338	3624	3167	2731	2426	2194	1779
-15°	14365	9191	6445	5049	4194	3548	3108	2644	2360	2178	1709
-17.5°	10700	7310	5519	4512	3847	3440	2989	2551	2246	2014	1531
-20°	7230	5684	4741	3966	3401	3064	2754	2387	2106	1778	1307



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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°	5362	4537	3872	3327	2950	2667	2406	2142	1933	1535	1078
-25°	4166	3588	3154	2862	2539	2276	2089	1926	1663	1280	873
-27.5°	3343	2940	2708	2493	2242	2003	1848	1707	1391	1029	805
-30°	2796	2616	2419	2215	2025	1833	1674	1418	1127	834	744
-32.5°	2501	2364	2192	2010	1849	1710	1459	1145	877	771	694
-35°	2286	2145	1981	1846	1722	1509	1234	929	781	713	647
-37.5°	2088	1937	1822	1699	1516	1274	970	810	726	664	597
-40°	1960	1819	1638	1479	1231	955	834	751	685	613	544
-42.5°	1761	1580	1363	1114	911	838	767	705	637	561	493
-45°	1382	1159	955	886	818	766	716	649	578	510	443
-47.5°	968	902	839	796	754	706	647	584	520	458	406
-50°	830	804	773	733	683	631	577	521	466	418	368
-52.5°	781	745	703	656	608	560	510	467	422	377	330
-55°	711	672	630	585	539	502	463	421	380	336	295
-57.5°	638	602	566	529	490	452	413	375	337	299	262
-60°	581	547	512	475	436	398	365	330	295	264	233
-62.5°	526	492	456	418	382	349	318	289	261	233	197
-65°	449	417	386	355	326	298	272	243	213	185	154
-67.5°	360	337	313	287	258	230	204	179	155	132	105
-70°	256	235	213	191	172	152	133	113	94	79	63
-72.5°	150	136	121	107	92	81	72	62	51	39	31
-75°	74	67	60	53	46	38	33	31	28	26	23
-77.5°	37	34	31	29	27	26	24	22	20	19	17
-80°	24	22	21	20	19	18	17	16	15	14	13
-82.5°	16	15	14	13	13	12	11	11	10	10	9
-85°	10	10	9	9	8	8	8	8	8	8	8
-87.5°	7	6	6	6	6	6	6	6	6	7	7
-90°	2	2	2	3	3	3	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	6	6	6	7	7	7	7	7	6
87.5°	5	5	5	5	5	5	6	6	6	6	6
85°	5	5	5	5	5	5	6	6	6	6	6
82.5°	5	5	6	6	6	6	6	6	6	6	6
80°	5	5	6	6	6	6	6	6	6	6	6
77.5°	5	5	6	6	6	6	6	6	6	6	6
75°	5	6	6	6	6	6	6	6	6	7	7
72.5°	6	6	6	6	6	6	6	6	6	7	7
70°	7	6	6	6	6	6	6	6	6	7	7
67.5°	8	7	6	6	6	6	6	6	6	7	7
65°	13	9	7	7	7	7	7	6	7	7	7
62.5°	18	13	10	8	7	7	7	7	7	7	7
60°	22	17	12	10	8	7	7	7	7	7	7
57.5°	20	19	16	12	9	8	7	7	7	7	7
55°	17	17	17	14	11	9	8	7	7	7	7
52.5°	14	15	16	16	13	10	8	7	7	7	7
50°	12	14	16	16	14	11	9	8	7	7	7
47.5°	12	13	15	16	15	12	10	8	7	7	7
45°	14	14	15	16	16	13	11	9	8	7	7
42.5°	16	17	16	16	16	14	11	9	8	7	8
40°	23	20	19	18	17	14	11	9	8	8	8
37.5°	30	26	23	24	19	15	12	10	9	8	8
35°	44	34	33	32	26	17	12	10	9	8	8
32.5°	60	51	49	43	34	20	13	11	10	9	8
30°	92	82	71	56	44	28	16	12	10	9	8
27.5°	141	119	97	76	57	37	20	13	11	9	8
25°	194	165	133	100	70	51	23	15	12	10	8
22.5°	250	214	172	126	90	67	31	18	13	10	9
20°	307	264	216	159	115	84	43	21	14	11	9
17.5°	370	326	272	199	141	101	56	24	16	11	9
15°	490	401	334	243	167	119	70	27	17	12	9
12.5°	636	477	400	290	193	138	84	29	19	13	10
10°	797	552	468	338	218	156	98	34	22	15	10
7.5°	966	627	537	385	244	182	126	44	25	16	10
5°	1122	695	605	444	286	215	156	54	28	18	10
2.5°	1216	750	668	502	326	247	185	63	31	19	11
0°	1292	801	727	554	364	278	212	73	33	20	11
-2.5°	1307	830	747	584	400	308	234	89	45	27	14
-5°	1304	856	763	609	433	335	252	103	55	33	18
-7.5°	1300	868	771	627	462	361	266	117	65	39	21
-10°	1272	871	769	624	469	371	274	129	74	45	24
-12.5°	1210	870	764	616	467	368	266	137	82	49	26
-15°	1112	867	755	603	461	362	256	143	88	54	28
-17.5°	967	860	744	584	449	355	245	147	94	57	30
-20°	900	827	729	560	432	345	235	149	98	60	31



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	849	772	672	538	414	333	224	150	101	62	32
-25°	791	716	612	496	399	316	218	148	103	62	32
-27.5°	728	657	556	455	376	301	216	150	103	61	31
-30°	665	595	507	418	352	280	211	150	102	60	30
-32.5°	617	539	462	391	328	259	199	148	99	58	28
-35°	571	493	420	363	303	241	185	145	95	55	27
-37.5°	523	452	389	335	279	222	174	134	88	50	25
-40°	477	414	360	309	256	201	162	122	82	44	22
-42.5°	432	380	331	283	232	186	148	108	72	39	18
-45°	394	346	301	255	208	170	133	95	61	34	15
-47.5°	356	312	270	227	189	153	117	82	49	28	14
-50°	317	279	241	204	169	135	100	68	41	21	13
-52.5°	285	248	214	181	148	115	83	53	32	17	12
-55°	256	220	189	158	126	95	65	42	23	15	11
-57.5°	228	193	162	133	103	74	50	31	19	13	10
-60°	199	164	135	106	78	55	37	22	16	12	10
-62.5°	164	133	103	77	56	38	24	18	13	11	10
-65°	124	95	70	53	36	24	20	15	12	11	10
-67.5°	80	62	45	30	24	20	15	13	11	10	9
-70°	48	33	26	22	19	15	13	12	10	10	9
-72.5°	27	24	20	17	15	14	12	10	10	9	9
-75°	20	18	17	15	13	12	11	10	9	8	8
-77.5°	16	15	14	13	11	10	9	9	8	8	8
-80°	12	12	11	11	10	9	8	8	8	8	7
-82.5°	9	9	9	9	8	8	8	8	7	7	7
-85°	8	8	8	8	7	7	7	7	7	7	7
-87.5°	7	7	7	7	7	7	7	7	7	7	7
-90°	5	5	5	5	5	5	6	6	6	6	6



REPORT NUMBER: P701324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6	6	6	6	6	6	6
87.5°	6	6	6	6	6	6	6
85°	6	6	6	6	6	6	6
82.5°	6	6	6	6	6	6	6
80°	6	6	6	6	6	6	6
77.5°	6	6	7	7	7	6	6
75°	7	7	7	7	7	6	6
72.5°	7	7	7	7	7	6	6
70°	7	7	7	7	7	6	6
67.5°	7	7	7	7	7	6	6
65°	7	7	7	7	7	6	6
62.5°	7	7	7	7	7	6	6
60°	7	7	7	7	7	6	6
57.5°	7	7	7	7	7	6	6
55°	7	7	7	7	7	6	6
52.5°	7	7	7	7	7	6	6
50°	7	7	7	7	7	6	6
47.5°	7	7	7	7	7	6	6
45°	7	7	7	7	7	6	6
42.5°	7	7	7	7	7	6	6
40°	8	7	7	7	7	6	6
37.5°	8	7	7	7	7	6	6
35°	8	7	7	7	7	6	6
32.5°	8	7	7	7	7	6	6
30°	8	8	7	7	7	6	6
27.5°	8	8	7	7	7	6	6
25°	8	8	7	7	7	6	6
22.5°	8	8	7	7	7	6	6
20°	8	8	7	7	7	6	6
17.5°	8	8	7	7	7	6	6
15°	9	8	7	7	7	6	6
12.5°	9	8	7	7	7	6	6
10°	9	8	7	7	7	6	6
7.5°	9	8	7	7	7	6	6
5°	9	8	7	7	7	6	6
2.5°	9	8	7	7	7	6	6
0°	10	8	7	7	7	6	6
-2.5°	11	8	7	7	7	6	6
-5°	11	8	7	7	7	6	6
-7.5°	12	8	7	7	7	6	6
-10°	13	8	7	7	7	6	6
-12.5°	14	8	7	7	7	6	6
-15°	14	8	7	7	7	6	6
-17.5°	14	8	7	7	7	6	6
-20°	14	8	7	7	7	6	6



REPORT NUMBER: P701324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15	8	7	7	7	6	6
-25°	15	8	7	7	7	6	6
-27.5°	14	8	7	7	7	6	6
-30°	13	8	7	7	7	6	6
-32.5°	12	8	7	7	7	6	6
-35°	12	8	7	7	7	6	6
-37.5°	12	8	7	7	7	6	6
-40°	11	8	8	7	7	6	6
-42.5°	11	8	8	7	7	6	6
-45°	10	8	8	7	6	6	6
-47.5°	10	8	8	7	6	6	6
-50°	9	8	8	7	6	6	6
-52.5°	9	8	8	7	6	6	6
-55°	9	8	8	7	6	6	6
-57.5°	9	8	8	7	6	6	6
-60°	9	8	8	7	6	6	6
-62.5°	9	8	7	7	6	6	6
-65°	9	8	7	7	6	6	6
-67.5°	9	8	7	6	6	6	6
-70°	8	8	7	6	6	6	6
-72.5°	8	7	7	6	6	6	6
-75°	8	7	7	6	6	6	6
-77.5°	8	7	6	6	6	6	6
-80°	7	7	6	6	6	6	6
-82.5°	7	7	6	6	6	6	6
-85°	7	6	6	6	6	6	6
-87.5°	6	6	6	6	6	6	6
-90°	6	6	6	6	6	6	6

(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

