

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: P701392 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-2S-HEG-S**

Issue Date: 8/15/2023

Test Information

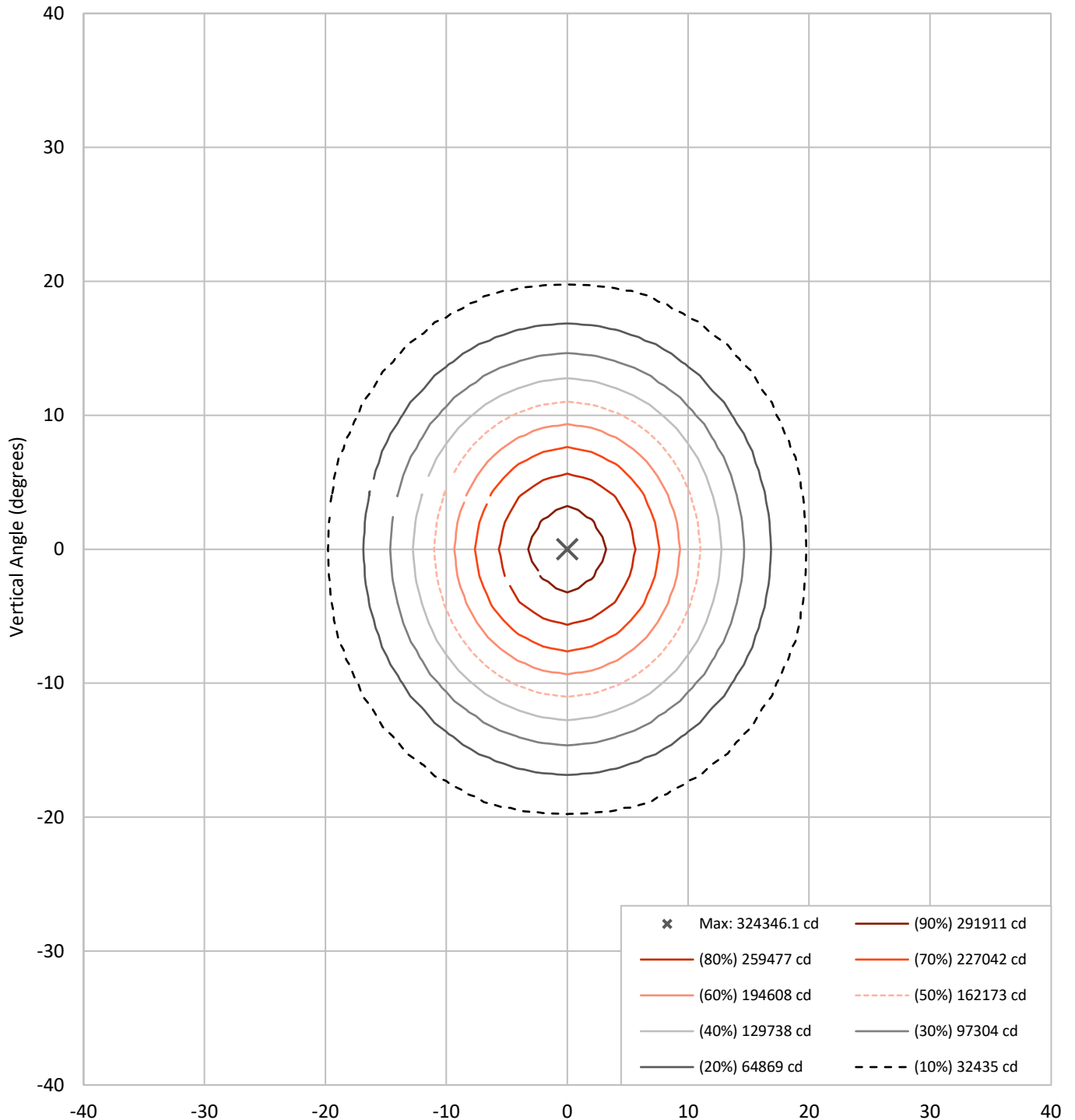
Test Method: LM-79-08
Report Number: P701392 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-2S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	58425 lumens	Max Intensity:	324346.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	168.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	25821.9 lumens	Field Lumens:	47957.4 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%
Input Watts (W):	346.9		
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





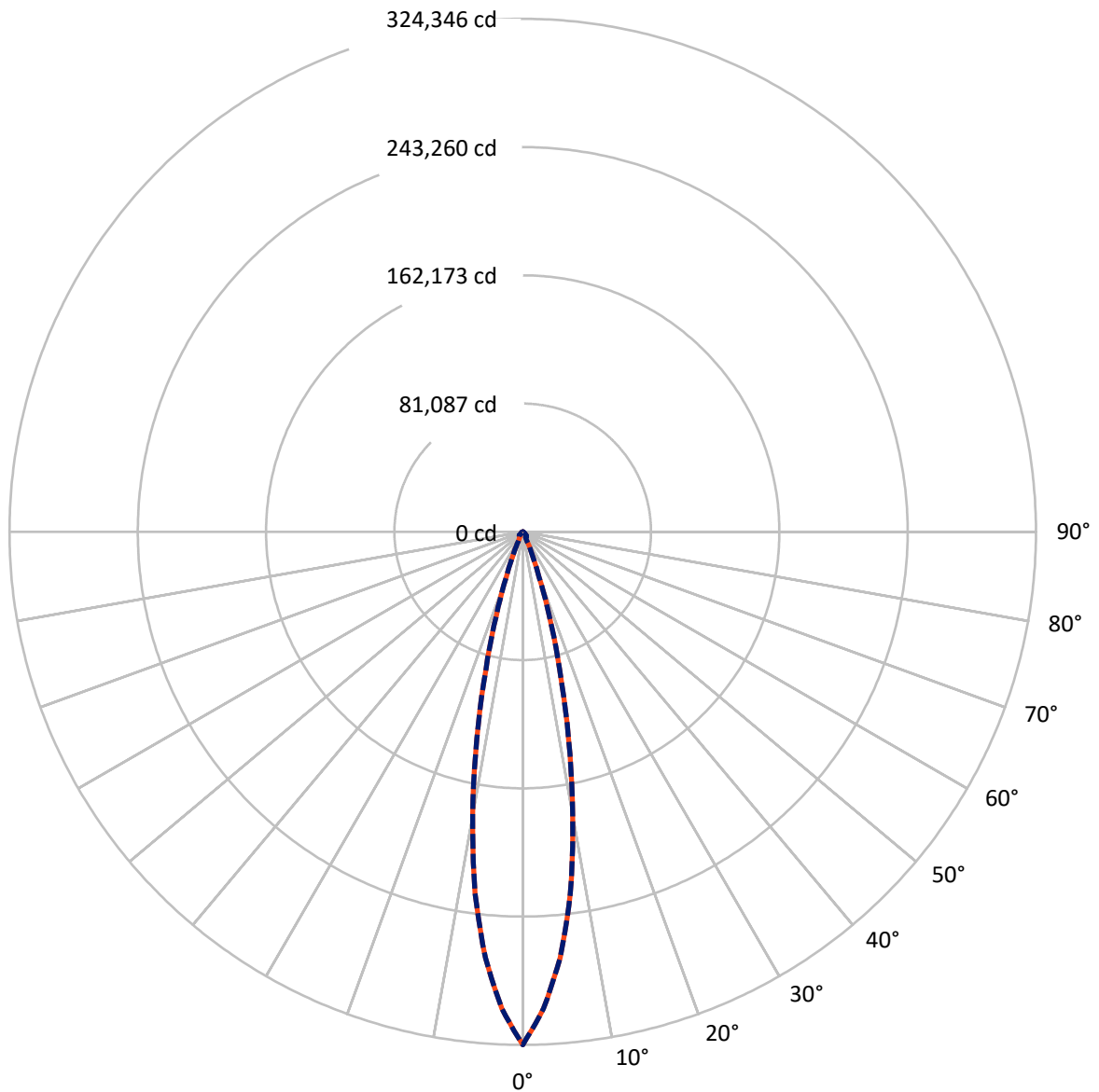
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Lumen Table

90	0.1	0.6	2.1	5.1	6.8	5.1	2.1	0.6	0.1										
80	0.1	0.6	2.1	5.1	6.8	5.1	2.1	0.6	0.1										
70	0.3	0.3	1.2	3.7	7.3	11.2	14.5	16.3	16.3	14.5	11.2	7.3	3.7	1.2	0.3	0.3			
60		0.9	4.3	10.4	18.0	25.0	29.8	32.2	32.2	29.8	25.0	18.0	10.4	4.3	0.9				
50	0.7	2.3	8.5	18.0	27.5	44.5	68.2	81.7	81.7	68.2	44.5	27.5	18.0	8.5	2.3	0.7			
40		3.9	12.7	23.8	52.5	90.1	105.6	111.1	111.1	105.6	90.1	52.5	23.8	12.7	3.9				
30	1.5	5.4	16.0	35.1	81.6	101.5	138.8	283.2	283.2	138.8	101.5	81.6	35.1	16.0	5.4	1.5			
20		6.5	17.8	50.6	89.6	130.6	826.3	2448.6	2448.6	826.3	130.6	89.6	50.6	17.8	6.5				
10	1.9	7.1	18.7	58.6	91.4	261.1	2386.4	6711.2	6711.2	2386.4	261.1	91.4	58.6	18.7	7.1	1.9			
0		7.1	18.7	58.6	91.4	261.1	2386.4	6711.2	6711.2	2386.4	261.1	91.4	58.6	18.7	7.1				
-10	1.5	6.5	17.8	50.6	89.6	130.6	826.3	2448.6	2448.6	826.3	130.6	89.6	50.6	17.8	6.5	1.5			
-20		5.4	16.0	35.1	81.6	101.5	138.8	283.2	283.2	138.8	101.5	81.6	35.1	16.0	5.4				
-30	0.7	3.9	12.7	23.8	52.5	90.1	105.6	111.1	111.1	105.6	90.1	52.5	23.8	12.7	3.9	0.7			
-40		2.3	8.5	18.0	27.5	44.5	68.2	81.7	81.7	68.2	44.5	27.5	18.0	8.5	2.3				
-50	0.3	0.9	4.3	10.4	18.0	25.0	29.8	32.2	32.2	29.8	25.0	18.0	10.4	4.3	0.9	0.3			
-60		0.3	1.2	3.7	7.3	11.2	14.5	16.3	16.3	14.5	11.2	7.3	3.7	1.2	0.3				
-70	0.1	0.6	2.1	5.1	6.8	5.1	2.1	0.6	0.1						0.1				
-80		0.1	0.6	2.1	5.1	6.8	5.1	2.1	0.6	0.1									
-90	0.1	0.6	2.1	5.1	6.8	5.1	2.1	0.6	0.1										

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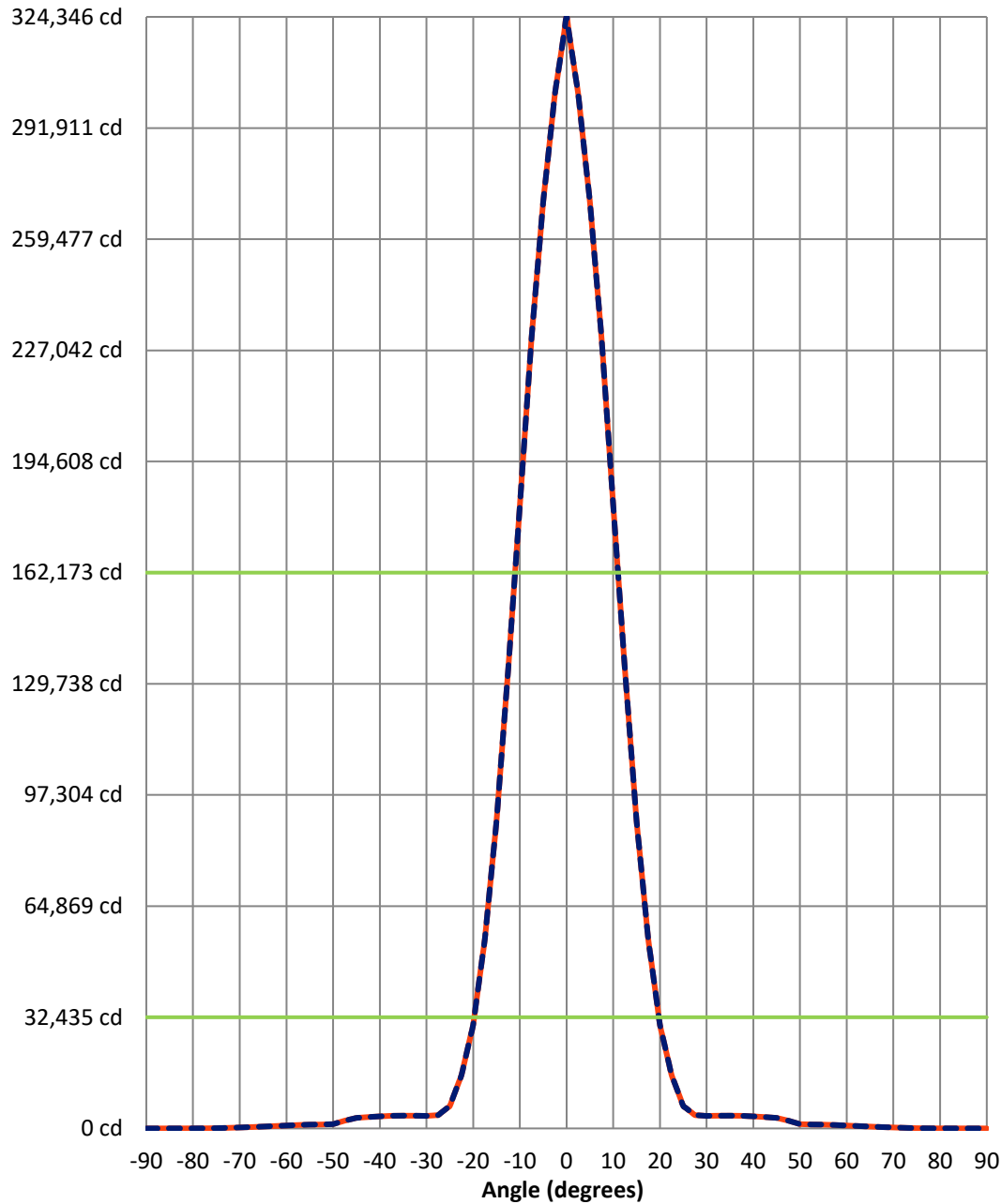
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22°
 V Angle: 22°
 Lumens: 25821.9
 Efficiency: 44.2%

Field:
 H Angle: 39.6°
 V Angle: 39.6°
 Lumens: 47957.4
 Efficiency: 82.1%

Spill:
 Lumens: 10467.6
 Efficiency: 17.9%

- 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.3	2.6
85°	0.0	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.2	6.5	6.9
80°	0.0	1.1	2.1	3.2	4.2	5.3	6.2	6.7	7.2	7.7	8.2
77.5°	0.0	1.3	2.6	4.0	5.3	6.3	7.0	7.6	8.2	8.8	9.5
75°	0.0	1.6	3.2	4.7	6.2	7.0	7.7	8.5	9.2	10.2	11.1
72.5°	0.0	1.8	3.7	5.5	6.7	7.6	8.5	9.4	10.5	11.7	12.8
70°	0.0	2.1	4.2	6.2	7.2	8.2	9.2	10.5	11.8	13.2	15.4
67.5°	0.0	2.3	4.7	6.5	7.7	8.8	10.2	11.7	13.2	15.7	18.2
65°	0.0	2.6	5.2	6.9	8.2	9.5	11.1	12.8	15.4	18.2	21.6
62.5°	0.0	2.8	5.6	7.2	8.6	10.3	12.1	14.5	17.6	21.1	26.3
60°	0.0	3.0	6.1	7.6	9.1	11.0	13.0	16.4	19.8	25.2	30.8
57.5°	0.0	3.3	6.3	7.9	9.7	11.8	14.5	18.2	23.1	29.2	42.6
55°	0.0	3.5	6.5	8.3	10.2	12.5	16.0	20.0	26.6	35.3	57.6
52.5°	0.0	3.7	6.7	8.6	10.8	13.3	17.5	22.9	30.0	48.4	72.2
50°	0.0	3.9	7.0	8.9	11.4	14.5	19.0	25.7	35.6	61.1	101.1
47.5°	0.0	4.1	7.2	9.2	11.9	15.7	20.5	28.5	46.5	73.4	130.8
45°	0.0	4.3	7.3	9.6	12.4	16.8	22.8	31.2	57.1	98.8	159.5
42.5°	0.0	4.5	7.5	9.9	12.9	17.9	25.0	37.4	67.2	123.6	192.8
40°	0.0	4.7	7.7	10.3	13.5	18.9	27.1	45.8	80.5	147.2	225.8
37.5°	0.0	4.8	7.9	10.6	14.3	19.9	29.1	53.9	100.4	171.3	257.1
35°	0.0	5.0	8.0	10.9	15.0	21.2	31.0	61.4	119.3	197.9	287.5
32.5°	0.0	5.1	8.2	11.2	15.7	22.7	34.1	68.6	137.1	223.1	317.1
30°	0.0	5.3	8.3	11.5	16.4	24.1	39.8	77.1	153.8	246.6	344.8
27.5°	0.0	5.4	8.4	11.7	17.0	25.4	45.1	90.6	170.7	268.5	370.7
25°	0.0	5.5	8.5	12.0	17.5	26.6	50.0	103.0	188.5	289.4	394.7
22.5°	0.0	5.6	8.6	12.2	18.0	27.6	54.4	114.3	204.7	308.8	421.7
20°	0.0	5.7	8.7	12.4	18.5	28.6	58.4	124.5	219.4	326.3	446.1
17.5°	0.0	5.8	8.8	12.5	18.9	29.5	62.0	133.5	232.4	341.9	467.8
15°	0.0	5.9	8.9	12.7	19.2	30.2	65.0	141.4	243.7	355.4	486.7
12.5°	0.0	6.0	9.0	12.8	19.5	30.8	67.7	148.1	253.4	367.0	502.8
10°	0.0	6.0	9.0	12.9	19.8	31.4	69.8	153.6	261.3	376.5	516.1
7.5°	0.0	6.0	9.0	13.0	20.0	31.8	71.5	158.0	267.5	383.9	526.4
5°	0.0	6.1	9.1	13.1	20.1	32.1	72.7	161.0	271.9	389.2	533.9
2.5°	0.0	6.1	9.1	13.1	20.2	32.2	73.5	162.9	274.6	392.4	538.3
0°	0.0	6.1	9.1	13.1	20.2	32.2	73.5	162.9	274.6	392.4	538.3
-2.5°	0.0	6.1	9.1	13.1	20.2	32.2	73.5	162.9	274.6	392.4	538.3
-5°	0.0	6.1	9.1	13.1	20.1	32.1	72.7	161.0	271.9	389.2	533.9
-7.5°	0.0	6.0	9.0	13.0	20.0	31.8	71.5	158.0	267.5	383.9	526.4
-10°	0.0	6.0	9.0	12.9	19.8	31.4	69.8	153.6	261.3	376.5	516.1
-12.5°	0.0	6.0	9.0	12.8	19.5	30.8	67.7	148.1	253.4	367.0	502.8
-15°	0.0	5.9	8.9	12.7	19.2	30.2	65.0	141.4	243.7	355.4	486.7
-17.5°	0.0	5.8	8.8	12.5	18.9	29.5	62.0	133.5	232.4	341.9	467.8
-20°	0.0	5.7	8.7	12.4	18.5	28.6	58.4	124.5	219.4	326.3	446.1



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.6	8.6	12.2	18.0	27.6	54.4	114.3	204.7	308.8	421.7
-25°	0.0	5.5	8.5	12.0	17.5	26.6	50.0	103.0	188.5	289.4	394.7
-27.5°	0.0	5.4	8.4	11.7	17.0	25.4	45.1	90.6	170.7	268.5	370.7
-30°	0.0	5.3	8.3	11.5	16.4	24.1	39.8	77.1	153.8	246.6	344.8
-32.5°	0.0	5.1	8.2	11.2	15.7	22.7	34.1	68.6	137.1	223.1	317.1
-35°	0.0	5.0	8.0	10.9	15.0	21.2	31.0	61.4	119.3	197.9	287.5
-37.5°	0.0	4.8	7.9	10.6	14.3	19.9	29.1	53.9	100.4	171.3	257.1
-40°	0.0	4.7	7.7	10.3	13.5	18.9	27.1	45.8	80.5	147.2	225.8
-42.5°	0.0	4.5	7.5	9.9	12.9	17.9	25.0	37.4	67.2	123.6	192.8
-45°	0.0	4.3	7.3	9.6	12.4	16.8	22.8	31.2	57.1	98.8	159.5
-47.5°	0.0	4.1	7.2	9.2	11.9	15.7	20.5	28.5	46.5	73.4	130.8
-50°	0.0	3.9	7.0	8.9	11.4	14.5	19.0	25.7	35.6	61.1	101.1
-52.5°	0.0	3.7	6.7	8.6	10.8	13.3	17.5	22.9	30.0	48.4	72.2
-55°	0.0	3.5	6.5	8.3	10.2	12.5	16.0	20.0	26.6	35.3	57.6
-57.5°	0.0	3.3	6.3	7.9	9.7	11.8	14.5	18.2	23.1	29.2	42.6
-60°	0.0	3.0	6.1	7.6	9.1	11.0	13.0	16.4	19.8	25.2	30.8
-62.5°	0.0	2.8	5.6	7.2	8.6	10.3	12.1	14.5	17.6	21.1	26.3
-65°	0.0	2.6	5.2	6.9	8.2	9.5	11.1	12.8	15.4	18.2	21.6
-67.5°	0.0	2.3	4.7	6.5	7.7	8.8	10.2	11.7	13.2	15.7	18.2
-70°	0.0	2.1	4.2	6.2	7.2	8.2	9.2	10.5	11.8	13.2	15.4
-72.5°	0.0	1.8	3.7	5.5	6.7	7.6	8.5	9.4	10.5	11.7	12.8
-75°	0.0	1.6	3.2	4.7	6.2	7.0	7.7	8.5	9.2	10.2	11.1
-77.5°	0.0	1.3	2.6	4.0	5.3	6.3	7.0	7.6	8.2	8.8	9.5
-80°	0.0	1.1	2.1	3.2	4.2	5.3	6.2	6.7	7.2	7.7	8.2
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.2	6.5	6.9
-85°	0.0	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.3	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.8
85°	5.6	6.1	6.3	6.5	6.7	7.0	7.2	7.3	7.5	7.7	7.9
82.5°	7.2	7.6	7.9	8.3	8.6	8.9	9.2	9.6	9.9	10.3	10.6
80°	8.6	9.1	9.7	10.2	10.8	11.4	11.9	12.4	12.9	13.5	14.3
77.5°	10.3	11.0	11.8	12.5	13.3	14.5	15.7	16.8	17.9	18.9	19.9
75°	12.1	13.0	14.5	16.0	17.5	19.0	20.5	22.8	25.0	27.1	29.1
72.5°	14.5	16.4	18.2	20.0	22.9	25.7	28.5	31.2	37.4	45.8	53.9
70°	17.6	19.8	23.1	26.6	30.0	35.6	46.5	57.1	67.2	80.5	100.4
67.5°	21.1	25.2	29.2	35.3	48.4	61.1	73.4	98.8	123.6	147.2	171.3
65°	26.3	30.8	42.6	57.6	72.2	101.1	130.8	159.5	192.8	225.8	257.1
62.5°	31.4	46.4	63.2	86.6	121.3	155.1	193.8	233.2	271.2	309.2	345.8
60°	46.4	65.0	94.7	133.5	173.4	219.4	264.0	308.8	352.5	394.7	444.4
57.5°	63.2	94.7	137.6	183.6	234.8	285.1	336.1	385.4	442.5	499.1	553.9
55°	86.6	133.5	183.6	240.0	296.1	352.7	411.0	477.0	540.8	604.7	665.9
52.5°	121.3	173.4	234.8	296.1	358.2	424.8	497.9	570.1	641.5	709.6	772.9
50°	155.1	219.4	285.1	352.7	424.8	505.0	584.8	663.8	738.3	809.2	880.1
47.5°	193.8	264.0	336.1	411.0	497.9	584.8	671.3	752.8	831.1	912.0	990.3
45°	233.2	308.8	385.4	477.0	570.1	663.8	752.8	838.5	928.0	1009.0	1067.3
42.5°	271.2	352.5	442.5	540.8	641.5	738.3	831.1	928.0	1014.7	1078.9	1116.1
40°	309.2	394.7	499.1	604.7	709.6	809.2	912.0	1009.0	1078.9	1117.8	1137.2
37.5°	345.8	444.4	553.9	665.9	772.9	880.1	990.3	1067.3	1116.1	1137.2	1210.5
35°	380.5	491.7	607.6	722.9	833.3	950.1	1044.3	1110.9	1133.6	1203.7	1471.3
32.5°	418.0	536.4	658.4	775.9	894.7	1010.3	1094.2	1126.6	1183.7	1356.8	2058.2
30°	456.2	580.0	705.7	825.9	952.9	1054.2	1116.2	1150.7	1242.8	1883.1	2551.3
27.5°	491.7	620.7	748.6	875.1	1003.9	1095.3	1129.3	1202.7	1595.2	2357.9	2983.2
25°	524.5	658.4	788.2	921.7	1039.2	1114.0	1150.4	1251.3	2030.2	2737.1	3166.7
22.5°	555.2	692.9	824.6	964.4	1071.7	1124.3	1191.9	1574.3	2400.3	3077.3	3279.2
20°	583.4	722.9	858.9	1000.9	1101.1	1133.7	1229.8	1915.2	2699.3	3173.3	3371.5
17.5°	608.6	749.6	890.5	1025.1	1112.2	1153.0	1304.2	2221.5	2968.5	3259.9	3449.8
15°	630.5	772.9	918.1	1046.2	1118.9	1180.4	1552.7	2447.6	3112.2	3332.9	3518.9
12.5°	649.2	792.8	941.7	1064.2	1124.7	1203.9	1765.7	2635.6	3172.9	3388.1	3567.9
10°	664.6	809.2	961.1	1079.1	1129.5	1223.3	1941.8	2791.3	3223.3	3434.0	3608.6
7.5°	676.7	822.0	976.3	1090.7	1133.3	1238.5	2079.9	2913.6	3263.0	3470.2	3640.8
5°	685.3	831.1	987.2	1099.1	1135.9	1249.4	2179.2	3001.6	3291.5	3496.3	3664.1
2.5°	690.5	836.7	993.7	1104.1	1137.6	1256.0	2239.1	3054.7	3308.7	3512.0	3678.1
0°	692.2	838.5	995.9	1105.8	1138.1	1258.2	2259.1	3072.4	3314.5	3517.3	3682.8
-2.5°	690.5	836.7	993.7	1104.1	1137.6	1256.0	2239.1	3054.7	3308.7	3512.0	3678.1
-5°	685.3	831.1	987.2	1099.1	1135.9	1249.4	2179.2	3001.6	3291.5	3496.3	3664.1
-7.5°	676.7	822.0	976.3	1090.7	1133.3	1238.5	2079.9	2913.6	3263.0	3470.2	3640.8
-10°	664.6	809.2	961.1	1079.1	1129.5	1223.3	1941.8	2791.3	3223.3	3434.0	3608.6
-12.5°	649.2	792.8	941.7	1064.2	1124.7	1203.9	1765.7	2635.6	3172.9	3388.1	3567.9
-15°	630.5	772.9	918.1	1046.2	1118.9	1180.4	1552.7	2447.6	3112.2	3332.9	3518.9
-17.5°	608.6	749.6	890.5	1025.1	1112.2	1153.0	1304.2	2221.5	2968.5	3259.9	3449.8
-20°	583.4	722.9	858.9	1000.9	1101.1	1133.7	1229.8	1915.2	2699.3	3173.3	3371.5



REPORT NUMBER: P701392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	555.2	692.9	824.6	964.4	1071.7	1124.3	1191.9	1574.3	2400.3	3077.3	3279.2
-25°	524.5	658.4	788.2	921.7	1039.2	1114.0	1150.4	1251.3	2030.2	2737.1	3166.7
-27.5°	491.7	620.7	748.6	875.1	1003.9	1095.3	1129.3	1202.7	1595.2	2357.9	2983.2
-30°	456.2	580.0	705.7	825.9	952.9	1054.2	1116.2	1150.7	1242.8	1883.1	2551.3
-32.5°	418.0	536.4	658.4	775.9	894.7	1010.3	1094.2	1126.6	1183.7	1356.8	2058.2
-35°	380.5	491.7	607.6	722.9	833.3	950.1	1044.3	1110.9	1133.6	1203.7	1471.3
-37.5°	345.8	444.4	553.9	665.9	772.9	880.1	990.3	1067.3	1116.1	1137.2	1210.5
-40°	309.2	394.7	499.1	604.7	709.6	809.2	912.0	1009.0	1078.9	1117.8	1137.2
-42.5°	271.2	352.5	442.5	540.8	641.5	738.3	831.1	928.0	1014.7	1078.9	1116.1
-45°	233.2	308.8	385.4	477.0	570.1	663.8	752.8	838.5	928.0	1009.0	1067.3
-47.5°	193.8	264.0	336.1	411.0	497.9	584.8	671.3	752.8	831.1	912.0	990.3
-50°	155.1	219.4	285.1	352.7	424.8	505.0	584.8	663.8	738.3	809.2	880.1
-52.5°	121.3	173.4	234.8	296.1	358.2	424.8	497.9	570.1	641.5	709.6	772.9
-55°	86.6	133.5	183.6	240.0	296.1	352.7	411.0	477.0	540.8	604.7	665.9
-57.5°	63.2	94.7	137.6	183.6	234.8	285.1	336.1	385.4	442.5	499.1	553.9
-60°	46.4	65.0	94.7	133.5	173.4	219.4	264.0	308.8	352.5	394.7	444.4
-62.5°	31.4	46.4	63.2	86.6	121.3	155.1	193.8	233.2	271.2	309.2	345.8
-65°	26.3	30.8	42.6	57.6	72.2	101.1	130.8	159.5	192.8	225.8	257.1
-67.5°	21.1	25.2	29.2	35.3	48.4	61.1	73.4	98.8	123.6	147.2	171.3
-70°	17.6	19.8	23.1	26.6	30.0	35.6	46.5	57.1	67.2	80.5	100.4
-72.5°	14.5	16.4	18.2	20.0	22.9	25.7	28.5	31.2	37.4	45.8	53.9
-75°	12.1	13.0	14.5	16.0	17.5	19.0	20.5	22.8	25.0	27.1	29.1
-77.5°	10.3	11.0	11.8	12.5	13.3	14.5	15.7	16.8	17.9	18.9	19.9
-80°	8.6	9.1	9.7	10.2	10.8	11.4	11.9	12.4	12.9	13.5	14.3
-82.5°	7.2	7.6	7.9	8.3	8.6	8.9	9.2	9.6	9.9	10.3	10.6
-85°	5.6	6.1	6.3	6.5	6.7	7.0	7.2	7.3	7.5	7.7	7.9
-87.5°	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0
85°	8.0	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.0
82.5°	10.9	11.2	11.5	11.7	12.0	12.2	12.4	12.5	12.7	12.8	12.9
80°	15.0	15.7	16.4	17.0	17.5	18.0	18.5	18.9	19.2	19.5	19.8
77.5°	21.2	22.7	24.1	25.4	26.6	27.6	28.6	29.5	30.2	30.8	31.4
75°	31.0	34.1	39.8	45.1	50.0	54.4	58.4	62.0	65.0	67.7	69.8
72.5°	61.4	68.6	77.1	90.6	103.0	114.3	124.5	133.5	141.4	148.1	153.6
70°	119.3	137.1	153.8	170.7	188.5	204.7	219.4	232.4	243.7	253.4	261.3
67.5°	197.9	223.1	246.6	268.5	289.4	308.8	326.3	341.9	355.4	367.0	376.5
65°	287.5	317.1	344.8	370.7	394.7	421.7	446.1	467.8	486.7	502.8	516.1
62.5°	380.5	418.0	456.2	491.7	524.5	555.2	583.4	608.6	630.5	649.2	664.6
60°	491.7	536.4	580.0	620.7	658.4	692.9	722.9	749.6	772.9	792.8	809.2
57.5°	607.6	658.4	705.7	748.6	788.2	824.6	858.9	890.5	918.1	941.7	961.1
55°	722.9	775.9	825.9	875.1	921.7	964.4	1000.9	1025.1	1046.2	1064.2	1079.1
52.5°	833.3	894.7	952.9	1003.9	1039.2	1071.7	1101.1	1112.2	1118.9	1124.7	1129.5
50°	950.1	1010.3	1054.2	1095.3	1114.0	1124.3	1133.7	1153.0	1180.4	1203.9	1223.3
47.5°	1044.3	1094.2	1116.2	1129.3	1150.4	1191.9	1229.8	1304.2	1552.7	1765.7	1941.8
45°	1110.9	1126.6	1150.7	1202.7	1251.3	1574.3	1915.2	2221.5	2447.6	2635.6	2791.3
42.5°	1133.6	1183.7	1242.8	1595.2	2030.2	2400.3	2699.3	2968.5	3112.2	3172.9	3223.3
40°	1203.7	1356.8	1883.1	2357.9	2737.1	3077.3	3173.3	3259.9	3332.9	3388.1	3434.0
37.5°	1471.3	2058.2	2551.3	2983.2	3166.7	3279.2	3371.5	3449.8	3518.9	3567.9	3608.6
35°	2117.0	2649.1	3090.5	3227.5	3349.9	3451.0	3539.2	3608.3	3669.7	3690.9	3699.8
32.5°	2649.1	3105.5	3258.3	3389.6	3505.2	3595.9	3677.7	3696.8	3710.1	3715.4	3714.2
30°	3090.5	3258.3	3403.0	3529.9	3630.5	3691.3	3709.0	3715.0	3713.3	3706.7	3687.7
27.5°	3227.5	3389.6	3529.9	3642.2	3696.2	3716.0	3713.8	3705.6	3677.3	3652.6	3735.2
25°	3349.9	3505.2	3630.5	3696.2	3715.7	3713.1	3690.8	3657.0	3756.4	3864.0	4627.4
22.5°	3451.0	3595.9	3691.3	3716.0	3713.1	3685.9	3675.8	3821.1	4608.5	5930.2	8292.8
20°	3539.2	3677.7	3709.0	3713.8	3690.8	3675.8	3843.0	5126.1	7217.6	12145.3	16924.2
17.5°	3608.3	3696.8	3715.0	3705.6	3657.0	3821.1	5126.1	8159.5	14142.6	22070.4	29777.3
15°	3669.7	3710.1	3713.3	3677.3	3756.4	4608.5	7217.6	14142.6	23835.6	35895.4	50577.0
12.5°	3690.9	3715.4	3706.7	3652.6	3864.0	5930.2	12145.3	22070.4	35895.4	54142.9	76487.5
10°	3699.8	3714.2	3687.7	3735.2	4627.4	8292.8	16924.2	29777.3	50577.0	76487.5	104459.3
7.5°	3706.9	3713.3	3672.5	3801.7	5450.9	11399.0	22572.1	40293.5	65808.5	97187.5	134316.0
5°	3712.0	3712.6	3661.5	3850.2	6054.5	13689.0	26768.2	48429.9	78759.8	116237.3	159536.3
2.5°	3715.1	3712.2	3654.7	3879.7	6423.2	15093.9	29357.4	53491.7	86914.2	129250.5	175980.9
0°	3716.1	3712.1	3652.5	3889.6	6547.3	15567.6	30233.2	55211.6	89703.8	133880.1	181747.4
-2.5°	3715.1	3712.2	3654.7	3879.7	6423.2	15093.9	29357.4	53491.7	86914.2	129250.5	175980.9
-5°	3712.0	3712.6	3661.5	3850.2	6054.5	13689.0	26768.2	48429.9	78759.8	116237.3	159536.3
-7.5°	3706.9	3713.3	3672.5	3801.7	5450.9	11399.0	22572.1	40293.5	65808.5	97187.5	134316.0
-10°	3699.8	3714.2	3687.7	3735.2	4627.4	8292.8	16924.2	29777.3	50577.0	76487.5	104459.3
-12.5°	3690.9	3715.4	3706.7	3652.6	3864.0	5930.2	12145.3	22070.4	35895.4	54142.9	76487.5
-15°	3669.7	3710.1	3713.3	3677.3	3756.4	4608.5	7217.6	14142.6	23835.6	35895.4	50577.0
-17.5°	3608.3	3696.8	3715.0	3705.6	3657.0	3821.1	5126.1	8159.5	14142.6	22070.4	29777.3
-20°	3539.2	3677.7	3709.0	3713.8	3690.8	3675.8	3843.0	5126.1	7217.6	12145.3	16924.2



REPORT NUMBER: P701392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3451.0	3595.9	3691.3	3716.0	3713.1	3685.9	3675.8	3821.1	4608.5	5930.2	8292.8
-25°	3349.9	3505.2	3630.5	3696.2	3715.7	3713.1	3690.8	3657.0	3756.4	3864.0	4627.4
-27.5°	3227.5	3389.6	3529.9	3642.2	3696.2	3716.0	3713.8	3705.6	3677.3	3652.6	3735.2
-30°	3090.5	3258.3	3403.0	3529.9	3630.5	3691.3	3709.0	3715.0	3713.3	3706.7	3687.7
-32.5°	2649.1	3105.5	3258.3	3389.6	3505.2	3595.9	3677.7	3696.8	3710.1	3715.4	3714.2
-35°	2117.0	2649.1	3090.5	3227.5	3349.9	3451.0	3539.2	3608.3	3669.7	3690.9	3699.8
-37.5°	1471.3	2058.2	2551.3	2983.2	3166.7	3279.2	3371.5	3449.8	3518.9	3567.9	3608.6
-40°	1203.7	1356.8	1883.1	2357.9	2737.1	3077.3	3173.3	3259.9	3332.9	3388.1	3434.0
-42.5°	1133.6	1183.7	1242.8	1595.2	2030.2	2400.3	2699.3	2968.5	3112.2	3172.9	3223.3
-45°	1110.9	1126.6	1150.7	1202.7	1251.3	1574.3	1915.2	2221.5	2447.6	2635.6	2791.3
-47.5°	1044.3	1094.2	1116.2	1129.3	1150.4	1191.9	1229.8	1304.2	1552.7	1765.7	1941.8
-50°	950.1	1010.3	1054.2	1095.3	1114.0	1124.3	1133.7	1153.0	1180.4	1203.9	1223.3
-52.5°	833.3	894.7	952.9	1003.9	1039.2	1071.7	1101.1	1112.2	1118.9	1124.7	1129.5
-55°	722.9	775.9	825.9	875.1	921.7	964.4	1000.9	1025.1	1046.2	1064.2	1079.1
-57.5°	607.6	658.4	705.7	748.6	788.2	824.6	858.9	890.5	918.1	941.7	961.1
-60°	491.7	536.4	580.0	620.7	658.4	692.9	722.9	749.6	772.9	792.8	809.2
-62.5°	380.5	418.0	456.2	491.7	524.5	555.2	583.4	608.6	630.5	649.2	664.6
-65°	287.5	317.1	344.8	370.7	394.7	421.7	446.1	467.8	486.7	502.8	516.1
-67.5°	197.9	223.1	246.6	268.5	289.4	308.8	326.3	341.9	355.4	367.0	376.5
-70°	119.3	137.1	153.8	170.7	188.5	204.7	219.4	232.4	243.7	253.4	261.3
-72.5°	61.4	68.6	77.1	90.6	103.0	114.3	124.5	133.5	141.4	148.1	153.6
-75°	31.0	34.1	39.8	45.1	50.0	54.4	58.4	62.0	65.0	67.7	69.8
-77.5°	21.2	22.7	24.1	25.4	26.6	27.6	28.6	29.5	30.2	30.8	31.4
-80°	15.0	15.7	16.4	17.0	17.5	18.0	18.5	18.9	19.2	19.5	19.8
-82.5°	10.9	11.2	11.5	11.7	12.0	12.2	12.4	12.5	12.7	12.8	12.9
-85°	8.0	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.0
-87.5°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8
85°	9.0	9.1	9.1	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.8
82.5°	13.0	13.1	13.1	13.1	13.1	13.1	13.0	12.9	12.8	12.7	12.5
80°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.8	19.5	19.2	18.9
77.5°	31.8	32.1	32.2	32.3	32.2	32.1	31.8	31.4	30.8	30.2	29.5
75°	71.5	72.7	73.5	73.7	73.5	72.7	71.5	69.8	67.7	65.0	62.0
72.5°	158.0	161.0	162.9	163.5	162.9	161.0	158.0	153.6	148.1	141.4	133.5
70°	267.5	271.9	274.6	275.5	274.6	271.9	267.5	261.3	253.4	243.7	232.4
67.5°	383.9	389.2	392.4	393.5	392.4	389.2	383.9	376.5	367.0	355.4	341.9
65°	526.4	533.9	538.3	539.8	538.3	533.9	526.4	516.1	502.8	486.7	467.8
62.5°	676.7	685.3	690.5	692.2	690.5	685.3	676.7	664.6	649.2	630.5	608.6
60°	822.0	831.1	836.7	838.5	836.7	831.1	822.0	809.2	792.8	772.9	749.6
57.5°	976.3	987.2	993.7	995.9	993.7	987.2	976.3	961.1	941.7	918.1	890.5
55°	1090.7	1099.1	1104.1	1105.8	1104.1	1099.1	1090.7	1079.1	1064.2	1046.2	1025.1
52.5°	1133.3	1135.9	1137.6	1138.1	1137.6	1135.9	1133.3	1129.5	1124.7	1118.9	1112.2
50°	1238.5	1249.4	1256.0	1258.2	1256.0	1249.4	1238.5	1223.3	1203.9	1180.4	1153.0
47.5°	2079.9	2179.2	2239.1	2259.1	2239.1	2179.2	2079.9	1941.8	1765.7	1552.7	1304.2
45°	2913.6	3001.6	3054.7	3072.4	3054.7	3001.6	2913.6	2791.3	2635.6	2447.6	2221.5
42.5°	3263.0	3291.5	3308.7	3314.5	3308.7	3291.5	3263.0	3223.3	3172.9	3112.2	2968.5
40°	3470.2	3496.3	3512.0	3517.3	3512.0	3496.3	3470.2	3434.0	3388.1	3332.9	3259.9
37.5°	3640.8	3664.1	3678.1	3682.8	3678.1	3664.1	3640.8	3608.6	3567.9	3518.9	3449.8
35°	3706.9	3712.0	3715.1	3716.1	3715.1	3712.0	3706.9	3699.8	3690.9	3669.7	3608.3
32.5°	3713.3	3712.6	3712.2	3712.1	3712.2	3712.6	3713.3	3714.2	3715.4	3710.1	3696.8
30°	3672.5	3661.5	3654.7	3652.5	3654.7	3661.5	3672.5	3687.7	3706.7	3713.3	3715.0
27.5°	3801.7	3850.2	3879.7	3889.6	3879.7	3850.2	3801.7	3735.2	3652.6	3677.3	3705.6
25°	5450.9	6054.5	6423.2	6547.3	6423.2	6054.5	5450.9	4627.4	3864.0	3756.4	3657.0
22.5°	11399.0	13689.0	15093.9	15567.6	15093.9	13689.0	11399.0	8292.8	5930.2	4608.5	3821.1
20°	22572.1	26768.2	29357.4	30233.2	29357.4	26768.2	22572.1	16924.2	12145.3	7217.6	5126.1
17.5°	40293.5	48429.9	53491.7	55211.6	53491.7	48429.9	40293.5	29777.3	22070.4	14142.6	8159.5
15°	65808.5	78759.8	86914.2	89703.8	86914.2	78759.8	65808.5	50577.0	35895.4	23835.6	14142.6
12.5°	97187.5	116237.3	129250.5	133880.1	129250.5	116237.3	97187.5	76487.5	54142.9	35895.4	22070.4
10°	134316.0	159536.3	175980.9	181747.4	175980.9	159536.3	134316.0	104459.3	76487.5	50577.0	29777.3
7.5°	170554.0	200496.2	222582.2	230575.7	222582.2	200496.2	170554.0	134316.0	97187.5	65808.5	40293.5
5°	200496.2	239163.3	262872.1	270366.5	262872.1	239163.3	200496.2	159536.3	116237.3	78759.8	48429.9
2.5°	222582.2	262872.1	288500.9	301789.8	288500.9	262872.1	222582.2	175980.9	129250.5	86914.2	53491.7
0°	230575.7	270366.5	301789.8	324346.1	301789.8	270366.5	230575.7	181747.4	133880.1	89703.8	55211.6
-2.5°	222582.2	262872.1	288500.9	301789.8	288500.9	262872.1	222582.2	175980.9	129250.5	86914.2	53491.7
-5°	200496.2	239163.3	262872.1	270366.5	262872.1	239163.3	200496.2	159536.3	116237.3	78759.8	48429.9
-7.5°	170554.0	200496.2	222582.2	230575.7	222582.2	200496.2	170554.0	134316.0	97187.5	65808.5	40293.5
-10°	134316.0	159536.3	175980.9	181747.4	175980.9	159536.3	134316.0	104459.3	76487.5	50577.0	29777.3
-12.5°	97187.5	116237.3	129250.5	133880.1	129250.5	116237.3	97187.5	76487.5	54142.9	35895.4	22070.4
-15°	65808.5	78759.8	86914.2	89703.8	86914.2	78759.8	65808.5	50577.0	35895.4	23835.6	14142.6
-17.5°	40293.5	48429.9	53491.7	55211.6	53491.7	48429.9	40293.5	29777.3	22070.4	14142.6	8159.5
-20°	22572.1	26768.2	29357.4	30233.2	29357.4	26768.2	22572.1	16924.2	12145.3	7217.6	5126.1



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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°	11399.0	13689.0	15093.9	15567.6	15093.9	13689.0	11399.0	8292.8	5930.2	4608.5	3821.1
-25°	5450.9	6054.5	6423.2	6547.3	6423.2	6054.5	5450.9	4627.4	3864.0	3756.4	3657.0
-27.5°	3801.7	3850.2	3879.7	3889.6	3879.7	3850.2	3801.7	3735.2	3652.6	3677.3	3705.6
-30°	3672.5	3661.5	3654.7	3652.5	3654.7	3661.5	3672.5	3687.7	3706.7	3713.3	3715.0
-32.5°	3713.3	3712.6	3712.2	3712.1	3712.2	3712.6	3713.3	3714.2	3715.4	3710.1	3696.8
-35°	3706.9	3712.0	3715.1	3716.1	3715.1	3712.0	3706.9	3699.8	3690.9	3669.7	3608.3
-37.5°	3640.8	3664.1	3678.1	3682.8	3678.1	3664.1	3640.8	3608.6	3567.9	3518.9	3449.8
-40°	3470.2	3496.3	3512.0	3517.3	3512.0	3496.3	3470.2	3434.0	3388.1	3332.9	3259.9
-42.5°	3263.0	3291.5	3308.7	3314.5	3308.7	3291.5	3263.0	3223.3	3172.9	3112.2	2968.5
-45°	2913.6	3001.6	3054.7	3072.4	3054.7	3001.6	2913.6	2791.3	2635.6	2447.6	2221.5
-47.5°	2079.9	2179.2	2239.1	2259.1	2239.1	2179.2	2079.9	1941.8	1765.7	1552.7	1304.2
-50°	1238.5	1249.4	1256.0	1258.2	1256.0	1249.4	1238.5	1223.3	1203.9	1180.4	1153.0
-52.5°	1133.3	1135.9	1137.6	1138.1	1137.6	1135.9	1133.3	1129.5	1124.7	1118.9	1112.2
-55°	1090.7	1099.1	1104.1	1105.8	1104.1	1099.1	1090.7	1079.1	1064.2	1046.2	1025.1
-57.5°	976.3	987.2	993.7	995.9	993.7	987.2	976.3	961.1	941.7	918.1	890.5
-60°	822.0	831.1	836.7	838.5	836.7	831.1	822.0	809.2	792.8	772.9	749.6
-62.5°	676.7	685.3	690.5	692.2	690.5	685.3	676.7	664.6	649.2	630.5	608.6
-65°	526.4	533.9	538.3	539.8	538.3	533.9	526.4	516.1	502.8	486.7	467.8
-67.5°	383.9	389.2	392.4	393.5	392.4	389.2	383.9	376.5	367.0	355.4	341.9
-70°	267.5	271.9	274.6	275.5	274.6	271.9	267.5	261.3	253.4	243.7	232.4
-72.5°	158.0	161.0	162.9	163.5	162.9	161.0	158.0	153.6	148.1	141.4	133.5
-75°	71.5	72.7	73.5	73.7	73.5	72.7	71.5	69.8	67.7	65.0	62.0
-77.5°	31.8	32.1	32.2	32.3	32.2	32.1	31.8	31.4	30.8	30.2	29.5
-80°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.8	19.5	19.2	18.9
-82.5°	13.0	13.1	13.1	13.1	13.1	13.1	13.0	12.9	12.8	12.7	12.5
-85°	9.0	9.1	9.1	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.8
-87.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3
85°	8.7	8.6	8.5	8.4	8.3	8.2	8.0	7.9	7.7	7.5	7.3
82.5°	12.4	12.2	12.0	11.7	11.5	11.2	10.9	10.6	10.3	9.9	9.6
80°	18.5	18.0	17.5	17.0	16.4	15.7	15.0	14.3	13.5	12.9	12.4
77.5°	28.6	27.6	26.6	25.4	24.1	22.7	21.2	19.9	18.9	17.9	16.8
75°	58.4	54.4	50.0	45.1	39.8	34.1	31.0	29.1	27.1	25.0	22.8
72.5°	124.5	114.3	103.0	90.6	77.1	68.6	61.4	53.9	45.8	37.4	31.2
70°	219.4	204.7	188.5	170.7	153.8	137.1	119.3	100.4	80.5	67.2	57.1
67.5°	326.3	308.8	289.4	268.5	246.6	223.1	197.9	171.3	147.2	123.6	98.8
65°	446.1	421.7	394.7	370.7	344.8	317.1	287.5	257.1	225.8	192.8	159.5
62.5°	583.4	555.2	524.5	491.7	456.2	418.0	380.5	345.8	309.2	271.2	233.2
60°	722.9	692.9	658.4	620.7	580.0	536.4	491.7	444.4	394.7	352.5	308.8
57.5°	858.9	824.6	788.2	748.6	705.7	658.4	607.6	553.9	499.1	442.5	385.4
55°	1000.9	964.4	921.7	875.1	825.9	775.9	722.9	665.9	604.7	540.8	477.0
52.5°	1101.1	1071.7	1039.2	1003.9	952.9	894.7	833.3	772.9	709.6	641.5	570.1
50°	1133.7	1124.3	1114.0	1095.3	1054.2	1010.3	950.1	880.1	809.2	738.3	663.8
47.5°	1229.8	1191.9	1150.4	1129.3	1116.2	1094.2	1044.3	990.3	912.0	831.1	752.8
45°	1915.2	1574.3	1251.3	1202.7	1150.7	1126.6	1110.9	1067.3	1009.0	928.0	838.5
42.5°	2699.3	2400.3	2030.2	1595.2	1242.8	1183.7	1133.6	1116.1	1078.9	1014.7	928.0
40°	3173.3	3077.3	2737.1	2357.9	1883.1	1356.8	1203.7	1137.2	1117.8	1078.9	1009.0
37.5°	3371.5	3279.2	3166.7	2983.2	2551.3	2058.2	1471.3	1210.5	1137.2	1116.1	1067.3
35°	3539.2	3451.0	3349.9	3227.5	3090.5	2649.1	2117.0	1471.3	1203.7	1133.6	1110.9
32.5°	3677.7	3595.9	3505.2	3389.6	3258.3	3105.5	2649.1	2058.2	1356.8	1183.7	1126.6
30°	3709.0	3691.3	3630.5	3529.9	3403.0	3258.3	3090.5	2551.3	1883.1	1242.8	1150.7
27.5°	3713.8	3716.0	3696.2	3642.2	3529.9	3389.6	3227.5	2983.2	2357.9	1595.2	1202.7
25°	3690.8	3713.1	3715.7	3696.2	3630.5	3505.2	3349.9	3166.7	2737.1	2030.2	1251.3
22.5°	3675.8	3685.9	3713.1	3716.0	3691.3	3595.9	3451.0	3279.2	3077.3	2400.3	1574.3
20°	3843.0	3675.8	3690.8	3713.8	3709.0	3677.7	3539.2	3371.5	3173.3	2699.3	1915.2
17.5°	5126.1	3821.1	3657.0	3705.6	3715.0	3696.8	3608.3	3449.8	3259.9	2968.5	2221.5
15°	7217.6	4608.5	3756.4	3677.3	3713.3	3710.1	3669.7	3518.9	3332.9	3112.2	2447.6
12.5°	12145.3	5930.2	3864.0	3652.6	3706.7	3715.4	3690.9	3567.9	3388.1	3172.9	2635.6
10°	16924.2	8292.8	4627.4	3735.2	3687.7	3714.2	3699.8	3608.6	3434.0	3223.3	2791.3
7.5°	22572.1	11399.0	5450.9	3801.7	3672.5	3713.3	3706.9	3640.8	3470.2	3263.0	2913.6
5°	26768.2	13689.0	6054.5	3850.2	3661.5	3712.6	3712.0	3664.1	3496.3	3291.5	3001.6
2.5°	29357.4	15093.9	6423.2	3879.7	3654.7	3712.2	3715.1	3678.1	3512.0	3308.7	3054.7
0°	30233.2	15567.6	6547.3	3889.6	3652.5	3712.1	3716.1	3682.8	3517.3	3314.5	3072.4
-2.5°	29357.4	15093.9	6423.2	3879.7	3654.7	3712.2	3715.1	3678.1	3512.0	3308.7	3054.7
-5°	26768.2	13689.0	6054.5	3850.2	3661.5	3712.6	3712.0	3664.1	3496.3	3291.5	3001.6
-7.5°	22572.1	11399.0	5450.9	3801.7	3672.5	3713.3	3706.9	3640.8	3470.2	3263.0	2913.6
-10°	16924.2	8292.8	4627.4	3735.2	3687.7	3714.2	3699.8	3608.6	3434.0	3223.3	2791.3
-12.5°	12145.3	5930.2	3864.0	3652.6	3706.7	3715.4	3690.9	3567.9	3388.1	3172.9	2635.6
-15°	7217.6	4608.5	3756.4	3677.3	3713.3	3710.1	3669.7	3518.9	3332.9	3112.2	2447.6
-17.5°	5126.1	3821.1	3657.0	3705.6	3715.0	3696.8	3608.3	3449.8	3259.9	2968.5	2221.5
-20°	3843.0	3675.8	3690.8	3713.8	3709.0	3677.7	3539.2	3371.5	3173.3	2699.3	1915.2



REPORT NUMBER: P701392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-HEG-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3675.8	3685.9	3713.1	3716.0	3691.3	3595.9	3451.0	3279.2	3077.3	2400.3	1574.3
-25°	3690.8	3713.1	3715.7	3696.2	3630.5	3505.2	3349.9	3166.7	2737.1	2030.2	1251.3
-27.5°	3713.8	3716.0	3696.2	3642.2	3529.9	3389.6	3227.5	2983.2	2357.9	1595.2	1202.7
-30°	3709.0	3691.3	3630.5	3529.9	3403.0	3258.3	3090.5	2551.3	1883.1	1242.8	1150.7
-32.5°	3677.7	3595.9	3505.2	3389.6	3258.3	3105.5	2649.1	2058.2	1356.8	1183.7	1126.6
-35°	3539.2	3451.0	3349.9	3227.5	3090.5	2649.1	2117.0	1471.3	1203.7	1133.6	1110.9
-37.5°	3371.5	3279.2	3166.7	2983.2	2551.3	2058.2	1471.3	1210.5	1137.2	1116.1	1067.3
-40°	3173.3	3077.3	2737.1	2357.9	1883.1	1356.8	1203.7	1137.2	1117.8	1078.9	1009.0
-42.5°	2699.3	2400.3	2030.2	1595.2	1242.8	1183.7	1133.6	1116.1	1078.9	1014.7	928.0
-45°	1915.2	1574.3	1251.3	1202.7	1150.7	1126.6	1110.9	1067.3	1009.0	928.0	838.5
-47.5°	1229.8	1191.9	1150.4	1129.3	1116.2	1094.2	1044.3	990.3	912.0	831.1	752.8
-50°	1133.7	1124.3	1114.0	1095.3	1054.2	1010.3	950.1	880.1	809.2	738.3	663.8
-52.5°	1101.1	1071.7	1039.2	1003.9	952.9	894.7	833.3	772.9	709.6	641.5	570.1
-55°	1000.9	964.4	921.7	875.1	825.9	775.9	722.9	665.9	604.7	540.8	477.0
-57.5°	858.9	824.6	788.2	748.6	705.7	658.4	607.6	553.9	499.1	442.5	385.4
-60°	722.9	692.9	658.4	620.7	580.0	536.4	491.7	444.4	394.7	352.5	308.8
-62.5°	583.4	555.2	524.5	491.7	456.2	418.0	380.5	345.8	309.2	271.2	233.2
-65°	446.1	421.7	394.7	370.7	344.8	317.1	287.5	257.1	225.8	192.8	159.5
-67.5°	326.3	308.8	289.4	268.5	246.6	223.1	197.9	171.3	147.2	123.6	98.8
-70°	219.4	204.7	188.5	170.7	153.8	137.1	119.3	100.4	80.5	67.2	57.1
-72.5°	124.5	114.3	103.0	90.6	77.1	68.6	61.4	53.9	45.8	37.4	31.2
-75°	58.4	54.4	50.0	45.1	39.8	34.1	31.0	29.1	27.1	25.0	22.8
-77.5°	28.6	27.6	26.6	25.4	24.1	22.7	21.2	19.9	18.9	17.9	16.8
-80°	18.5	18.0	17.5	17.0	16.4	15.7	15.0	14.3	13.5	12.9	12.4
-82.5°	12.4	12.2	12.0	11.7	11.5	11.2	10.9	10.6	10.3	9.9	9.6
-85°	8.7	8.6	8.5	8.4	8.3	8.2	8.0	7.9	7.7	7.5	7.3
-87.5°	5.7	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.8
85°	7.2	7.0	6.7	6.5	6.3	6.1	5.6	5.2	4.7	4.2	3.7
82.5°	9.2	8.9	8.6	8.3	7.9	7.6	7.2	6.9	6.5	6.2	5.5
80°	11.9	11.4	10.8	10.2	9.7	9.1	8.6	8.2	7.7	7.2	6.7
77.5°	15.7	14.5	13.3	12.5	11.8	11.0	10.3	9.5	8.8	8.2	7.6
75°	20.5	19.0	17.5	16.0	14.5	13.0	12.1	11.1	10.2	9.2	8.5
72.5°	28.5	25.7	22.9	20.0	18.2	16.4	14.5	12.8	11.7	10.5	9.4
70°	46.5	35.6	30.0	26.6	23.1	19.8	17.6	15.4	13.2	11.8	10.5
67.5°	73.4	61.1	48.4	35.3	29.2	25.2	21.1	18.2	15.7	13.2	11.7
65°	130.8	101.1	72.2	57.6	42.6	30.8	26.3	21.6	18.2	15.4	12.8
62.5°	193.8	155.1	121.3	86.6	63.2	46.4	31.4	26.3	21.1	17.6	14.5
60°	264.0	219.4	173.4	133.5	94.7	65.0	46.4	30.8	25.2	19.8	16.4
57.5°	336.1	285.1	234.8	183.6	137.6	94.7	63.2	42.6	29.2	23.1	18.2
55°	411.0	352.7	296.1	240.0	183.6	133.5	86.6	57.6	35.3	26.6	20.0
52.5°	497.9	424.8	358.2	296.1	234.8	173.4	121.3	72.2	48.4	30.0	22.9
50°	584.8	505.0	424.8	352.7	285.1	219.4	155.1	101.1	61.1	35.6	25.7
47.5°	671.3	584.8	497.9	411.0	336.1	264.0	193.8	130.8	73.4	46.5	28.5
45°	752.8	663.8	570.1	477.0	385.4	308.8	233.2	159.5	98.8	57.1	31.2
42.5°	831.1	738.3	641.5	540.8	442.5	352.5	271.2	192.8	123.6	67.2	37.4
40°	912.0	809.2	709.6	604.7	499.1	394.7	309.2	225.8	147.2	80.5	45.8
37.5°	990.3	880.1	772.9	665.9	553.9	444.4	345.8	257.1	171.3	100.4	53.9
35°	1044.3	950.1	833.3	722.9	607.6	491.7	380.5	287.5	197.9	119.3	61.4
32.5°	1094.2	1010.3	894.7	775.9	658.4	536.4	418.0	317.1	223.1	137.1	68.6
30°	1116.2	1054.2	952.9	825.9	705.7	580.0	456.2	344.8	246.6	153.8	77.1
27.5°	1129.3	1095.3	1003.9	875.1	748.6	620.7	491.7	370.7	268.5	170.7	90.6
25°	1150.4	1114.0	1039.2	921.7	788.2	658.4	524.5	394.7	289.4	188.5	103.0
22.5°	1191.9	1124.3	1071.7	964.4	824.6	692.9	555.2	421.7	308.8	204.7	114.3
20°	1229.8	1133.7	1101.1	1000.9	858.9	722.9	583.4	446.1	326.3	219.4	124.5
17.5°	1304.2	1153.0	1112.2	1025.1	890.5	749.6	608.6	467.8	341.9	232.4	133.5
15°	1552.7	1180.4	1118.9	1046.2	918.1	772.9	630.5	486.7	355.4	243.7	141.4
12.5°	1765.7	1203.9	1124.7	1064.2	941.7	792.8	649.2	502.8	367.0	253.4	148.1
10°	1941.8	1223.3	1129.5	1079.1	961.1	809.2	664.6	516.1	376.5	261.3	153.6
7.5°	2079.9	1238.5	1133.3	1090.7	976.3	822.0	676.7	526.4	383.9	267.5	158.0
5°	2179.2	1249.4	1135.9	1099.1	987.2	831.1	685.3	533.9	389.2	271.9	161.0
2.5°	2239.1	1256.0	1137.6	1104.1	993.7	836.7	690.5	538.3	392.4	274.6	162.9
0°	2259.1	1258.2	1138.1	1105.8	995.9	838.5	692.2	539.8	393.5	275.5	163.5
-2.5°	2239.1	1256.0	1137.6	1104.1	993.7	836.7	690.5	538.3	392.4	274.6	162.9
-5°	2179.2	1249.4	1135.9	1099.1	987.2	831.1	685.3	533.9	389.2	271.9	161.0
-7.5°	2079.9	1238.5	1133.3	1090.7	976.3	822.0	676.7	526.4	383.9	267.5	158.0
-10°	1941.8	1223.3	1129.5	1079.1	961.1	809.2	664.6	516.1	376.5	261.3	153.6
-12.5°	1765.7	1203.9	1124.7	1064.2	941.7	792.8	649.2	502.8	367.0	253.4	148.1
-15°	1552.7	1180.4	1118.9	1046.2	918.1	772.9	630.5	486.7	355.4	243.7	141.4
-17.5°	1304.2	1153.0	1112.2	1025.1	890.5	749.6	608.6	467.8	341.9	232.4	133.5
-20°	1229.8	1133.7	1101.1	1000.9	858.9	722.9	583.4	446.1	326.3	219.4	124.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1191.9	1124.3	1071.7	964.4	824.6	692.9	555.2	421.7	308.8	204.7	114.3
-25°	1150.4	1114.0	1039.2	921.7	788.2	658.4	524.5	394.7	289.4	188.5	103.0
-27.5°	1129.3	1095.3	1003.9	875.1	748.6	620.7	491.7	370.7	268.5	170.7	90.6
-30°	1116.2	1054.2	952.9	825.9	705.7	580.0	456.2	344.8	246.6	153.8	77.1
-32.5°	1094.2	1010.3	894.7	775.9	658.4	536.4	418.0	317.1	223.1	137.1	68.6
-35°	1044.3	950.1	833.3	722.9	607.6	491.7	380.5	287.5	197.9	119.3	61.4
-37.5°	990.3	880.1	772.9	665.9	553.9	444.4	345.8	257.1	171.3	100.4	53.9
-40°	912.0	809.2	709.6	604.7	499.1	394.7	309.2	225.8	147.2	80.5	45.8
-42.5°	831.1	738.3	641.5	540.8	442.5	352.5	271.2	192.8	123.6	67.2	37.4
-45°	752.8	663.8	570.1	477.0	385.4	308.8	233.2	159.5	98.8	57.1	31.2
-47.5°	671.3	584.8	497.9	411.0	336.1	264.0	193.8	130.8	73.4	46.5	28.5
-50°	584.8	505.0	424.8	352.7	285.1	219.4	155.1	101.1	61.1	35.6	25.7
-52.5°	497.9	424.8	358.2	296.1	234.8	173.4	121.3	72.2	48.4	30.0	22.9
-55°	411.0	352.7	296.1	240.0	183.6	133.5	86.6	57.6	35.3	26.6	20.0
-57.5°	336.1	285.1	234.8	183.6	137.6	94.7	63.2	42.6	29.2	23.1	18.2
-60°	264.0	219.4	173.4	133.5	94.7	65.0	46.4	30.8	25.2	19.8	16.4
-62.5°	193.8	155.1	121.3	86.6	63.2	46.4	31.4	26.3	21.1	17.6	14.5
-65°	130.8	101.1	72.2	57.6	42.6	30.8	26.3	21.6	18.2	15.4	12.8
-67.5°	73.4	61.1	48.4	35.3	29.2	25.2	21.1	18.2	15.7	13.2	11.7
-70°	46.5	35.6	30.0	26.6	23.1	19.8	17.6	15.4	13.2	11.8	10.5
-72.5°	28.5	25.7	22.9	20.0	18.2	16.4	14.5	12.8	11.7	10.5	9.4
-75°	20.5	19.0	17.5	16.0	14.5	13.0	12.1	11.1	10.2	9.2	8.5
-77.5°	15.7	14.5	13.3	12.5	11.8	11.0	10.3	9.5	8.8	8.2	7.6
-80°	11.9	11.4	10.8	10.2	9.7	9.1	8.6	8.2	7.7	7.2	6.7
-82.5°	9.2	8.9	8.6	8.3	7.9	7.6	7.2	6.9	6.5	6.2	5.5
-85°	7.2	7.0	6.7	6.5	6.3	6.1	5.6	5.2	4.7	4.2	3.7
-87.5°	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.6	2.1	1.6	1.1	0.5	0.0
82.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.2	5.3	4.2	3.2	2.1	1.1	0.0
77.5°	7.0	6.3	5.3	4.0	2.6	1.3	0.0
75°	7.7	7.0	6.2	4.7	3.2	1.6	0.0
72.5°	8.5	7.6	6.7	5.5	3.7	1.8	0.0
70°	9.2	8.2	7.2	6.2	4.2	2.1	0.0
67.5°	10.2	8.8	7.7	6.5	4.7	2.3	0.0
65°	11.1	9.5	8.2	6.9	5.2	2.6	0.0
62.5°	12.1	10.3	8.6	7.2	5.6	2.8	0.0
60°	13.0	11.0	9.1	7.6	6.1	3.0	0.0
57.5°	14.5	11.8	9.7	7.9	6.3	3.3	0.0
55°	16.0	12.5	10.2	8.3	6.5	3.5	0.0
52.5°	17.5	13.3	10.8	8.6	6.7	3.7	0.0
50°	19.0	14.5	11.4	8.9	7.0	3.9	0.0
47.5°	20.5	15.7	11.9	9.2	7.2	4.1	0.0
45°	22.8	16.8	12.4	9.6	7.3	4.3	0.0
42.5°	25.0	17.9	12.9	9.9	7.5	4.5	0.0
40°	27.1	18.9	13.5	10.3	7.7	4.7	0.0
37.5°	29.1	19.9	14.3	10.6	7.9	4.8	0.0
35°	31.0	21.2	15.0	10.9	8.0	5.0	0.0
32.5°	34.1	22.7	15.7	11.2	8.2	5.1	0.0
30°	39.8	24.1	16.4	11.5	8.3	5.3	0.0
27.5°	45.1	25.4	17.0	11.7	8.4	5.4	0.0
25°	50.0	26.6	17.5	12.0	8.5	5.5	0.0
22.5°	54.4	27.6	18.0	12.2	8.6	5.6	0.0
20°	58.4	28.6	18.5	12.4	8.7	5.7	0.0
17.5°	62.0	29.5	18.9	12.5	8.8	5.8	0.0
15°	65.0	30.2	19.2	12.7	8.9	5.9	0.0
12.5°	67.7	30.8	19.5	12.8	9.0	6.0	0.0
10°	69.8	31.4	19.8	12.9	9.0	6.0	0.0
7.5°	71.5	31.8	20.0	13.0	9.0	6.0	0.0
5°	72.7	32.1	20.1	13.1	9.1	6.1	0.0
2.5°	73.5	32.2	20.2	13.1	9.1	6.1	0.0
0°	73.7	32.3	20.2	13.1	9.1	6.1	0.0
-2.5°	73.5	32.2	20.2	13.1	9.1	6.1	0.0
-5°	72.7	32.1	20.1	13.1	9.1	6.1	0.0
-7.5°	71.5	31.8	20.0	13.0	9.0	6.0	0.0
-10°	69.8	31.4	19.8	12.9	9.0	6.0	0.0
-12.5°	67.7	30.8	19.5	12.8	9.0	6.0	0.0
-15°	65.0	30.2	19.2	12.7	8.9	5.9	0.0
-17.5°	62.0	29.5	18.9	12.5	8.8	5.8	0.0
-20°	58.4	28.6	18.5	12.4	8.7	5.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	54.4	27.6	18.0	12.2	8.6	5.6	0.0
-25°	50.0	26.6	17.5	12.0	8.5	5.5	0.0
-27.5°	45.1	25.4	17.0	11.7	8.4	5.4	0.0
-30°	39.8	24.1	16.4	11.5	8.3	5.3	0.0
-32.5°	34.1	22.7	15.7	11.2	8.2	5.1	0.0
-35°	31.0	21.2	15.0	10.9	8.0	5.0	0.0
-37.5°	29.1	19.9	14.3	10.6	7.9	4.8	0.0
-40°	27.1	18.9	13.5	10.3	7.7	4.7	0.0
-42.5°	25.0	17.9	12.9	9.9	7.5	4.5	0.0
-45°	22.8	16.8	12.4	9.6	7.3	4.3	0.0
-47.5°	20.5	15.7	11.9	9.2	7.2	4.1	0.0
-50°	19.0	14.5	11.4	8.9	7.0	3.9	0.0
-52.5°	17.5	13.3	10.8	8.6	6.7	3.7	0.0
-55°	16.0	12.5	10.2	8.3	6.5	3.5	0.0
-57.5°	14.5	11.8	9.7	7.9	6.3	3.3	0.0
-60°	13.0	11.0	9.1	7.6	6.1	3.0	0.0
-62.5°	12.1	10.3	8.6	7.2	5.6	2.8	0.0
-65°	11.1	9.5	8.2	6.9	5.2	2.6	0.0
-67.5°	10.2	8.8	7.7	6.5	4.7	2.3	0.0
-70°	9.2	8.2	7.2	6.2	4.2	2.1	0.0
-72.5°	8.5	7.6	6.7	5.5	3.7	1.8	0.0
-75°	7.7	7.0	6.2	4.7	3.2	1.6	0.0
-77.5°	7.0	6.3	5.3	4.0	2.6	1.3	0.0
-80°	6.2	5.3	4.2	3.2	2.1	1.1	0.0
-82.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.6	2.1	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

