

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: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-5S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701620 (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-40-70-5S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

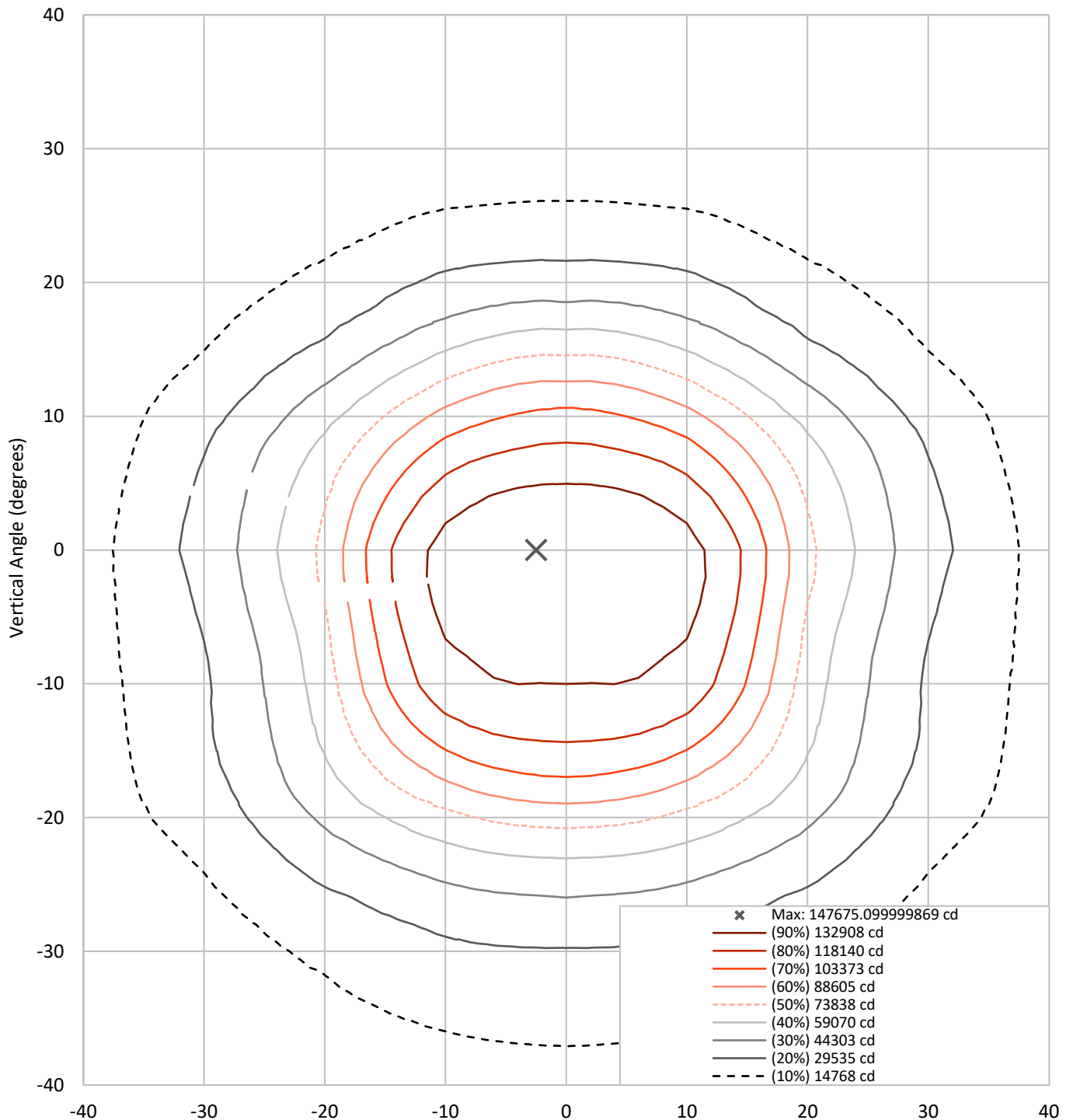
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	72881.8 lumens	Max Intensity:	147675.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	104.5 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:	40086.4 lumens	Field Lumens:	66768 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 697.5
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





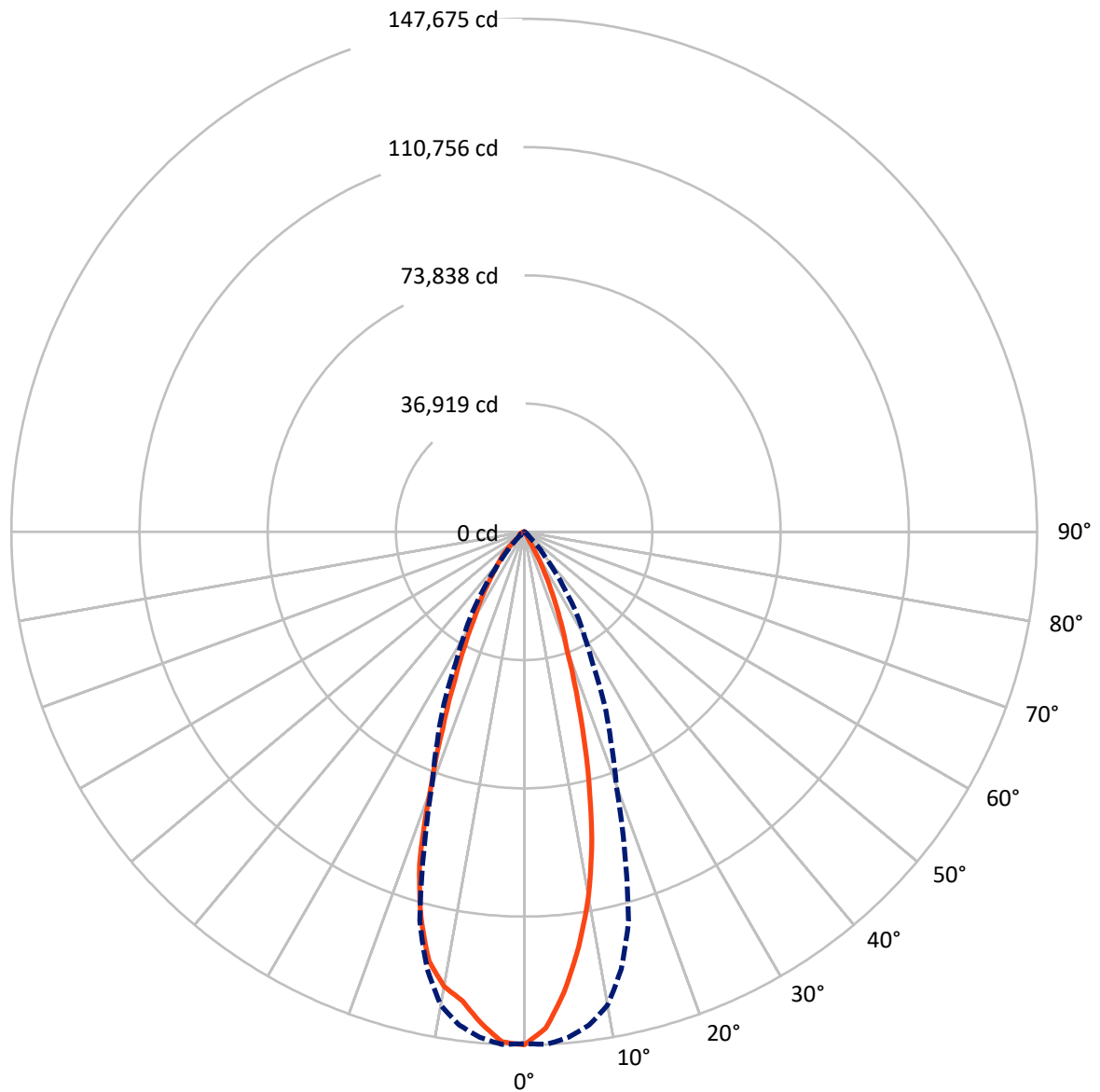
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Lumen Table

90																
80	0.2	0.5		0.7		0.6		0.5		0.6		0.7		0.5		0.2
70																
60	0.2	0.1	0.2	0.4	0.6	0.4	0.4	0.5	0.5	0.4	0.4	0.6	0.4	0.2	0.1	0.2
50		0.1	0.3	0.7	0.9	0.5	0.5	0.6	0.6	0.5	0.5	0.9	0.7	0.3	0.1	
40	0.2	0.2	0.4	0.7	0.9	1.2	1.8	2.2	2.2	1.8	1.2	0.9	0.7	0.4	0.2	0.2
30		0.2	0.9	2.2	5.9	16.4	28.4	36.2	36.2	28.4	16.4	5.9	2.2	0.9	0.2	
20	0.3	0.4	3.2	11.1	64.7	186.1	378.1	546.0	546.0	378.1	186.1	64.7	11.1	3.2	0.4	0.3
10		0.8	6.9	36.3	230.2	674.6	1382.6	2042.6	2042.6	1382.6	674.6	230.2	36.3	6.9	0.8	
0	0.3	1.6	11.7	78.9	473.5	1352.5	2831.9	3865.0	3865.0	2831.9	1352.5	473.5	78.9	11.7	1.6	0.3
-10		2.7	15.9	95.5	495.8	1385.0	3178.1	4235.9	4235.9	3178.1	1385.0	495.8	95.5	15.9	2.7	
-20	0.4	3.1	16.4	76.7	420.9	1140.3	2401.3	3306.8	3306.8	2401.3	1140.3	420.9	76.7	16.4	3.1	0.4
-30		2.7	13.4	36.0	211.1	610.2	1122.1	1473.4	1473.4	1122.1	610.2	211.1	36.0	13.4	2.7	
-40	0.4	2.1	9.3	21.0	61.7	229.9	423.0	551.9	551.9	423.0	229.9	61.7	21.0	9.3	2.1	0.4
-50		1.2	5.6	14.8	27.2	51.0	115.0	173.5	173.5	115.0	51.0	27.2	14.8	5.6	1.2	
-60	0.3	0.6	2.8	8.3	17.4	28.6	39.2	45.4	45.4	39.2	28.6	17.4	8.3	2.8	0.6	0.3
-70		0.3	1.0	3.2	7.2	12.7	19.1	22.8	22.8	19.1	12.7	7.2	3.2	1.0	0.3	
-80																
-90	0.2	0.8		2.6		6.9		9.6		6.9		2.6		0.8		0.2

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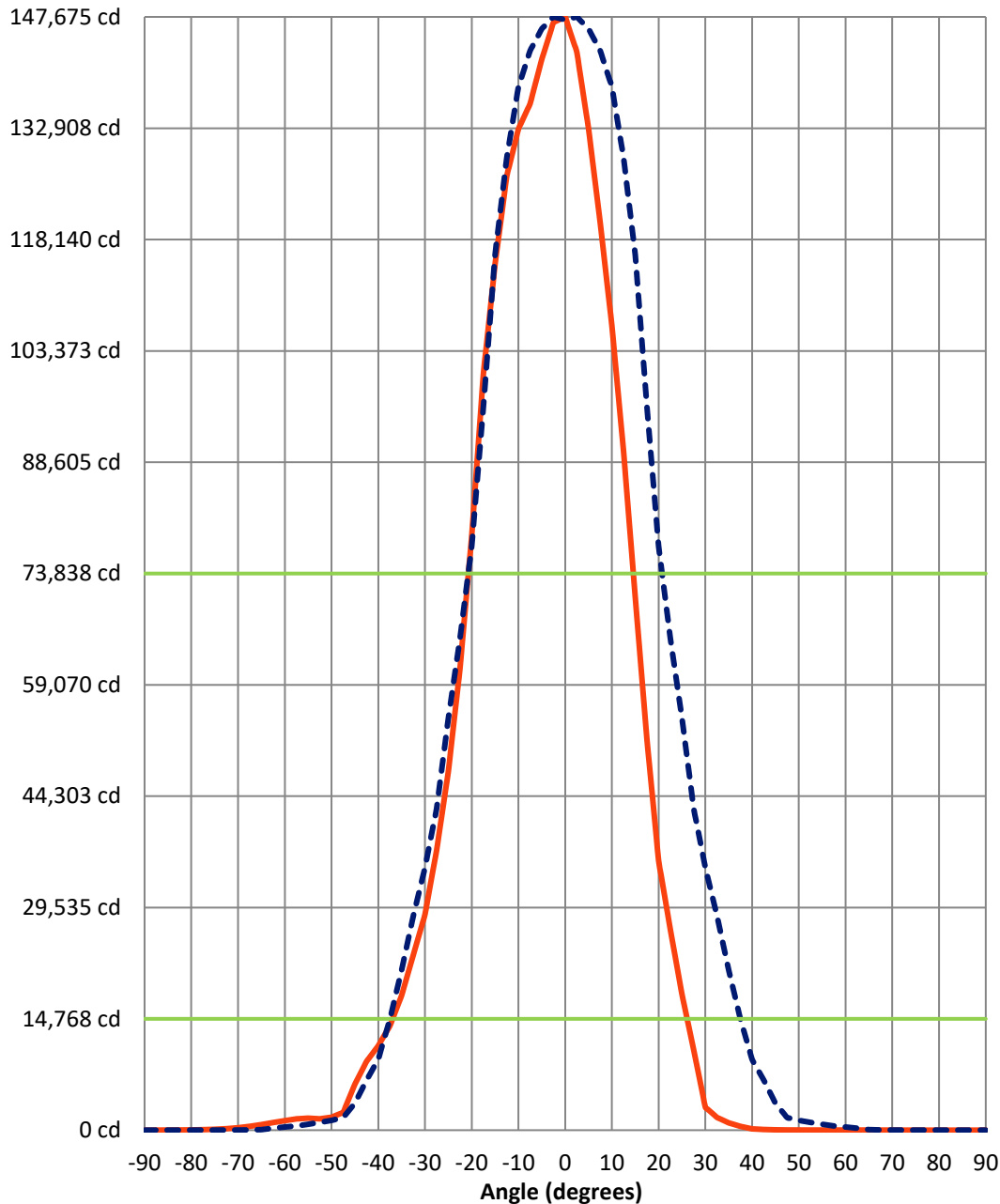
Luminous Intensity Polar Plot



— 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: 40086.4
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 66768
 Efficiency: 91.6%

Spill:
 Lumens: 6113.8
 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°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.8	8.7
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.7	9.1	9.1	8.8
70°	8.6	8.6	8.6	8.6	8.6	8.6	8.7	9.3	9.5	9.4	9.5
67.5°	8.6	8.6	8.6	8.6	8.6	8.6	9.2	9.8	10.0	10.0	10.3
65°	8.6	8.6	8.6	8.6	8.6	8.8	9.7	10.4	10.3	10.5	10.8
62.5°	8.6	8.6	8.6	8.6	8.6	9.2	10.2	10.7	10.6	10.8	10.8
60°	8.6	8.6	8.6	8.6	8.6	9.7	10.7	10.8	10.8	10.8	10.8
57.5°	8.6	8.6	8.6	8.6	8.9	10.1	10.8	10.8	10.8	10.8	10.8
55°	8.6	8.6	8.6	8.6	9.2	10.5	10.8	10.8	10.8	10.8	10.8
52.5°	8.6	8.6	8.6	8.6	9.5	10.8	10.8	10.8	10.8	10.8	10.8
50°	8.6	8.6	8.6	8.6	9.8	10.8	10.8	10.8	10.8	10.8	11.4
47.5°	8.6	8.6	8.6	8.7	10.1	10.8	10.8	10.8	10.8	10.8	12.1
45°	8.6	8.6	8.6	8.9	10.4	10.8	10.8	10.8	10.9	11.4	12.8
42.5°	8.6	8.6	8.6	9.1	10.7	10.8	10.8	10.9	11.0	12.0	13.5
40°	8.6	8.6	8.6	9.2	10.8	10.8	10.8	11.0	11.3	12.5	14.1
37.5°	8.6	8.6	8.6	9.4	10.8	10.8	10.8	11.3	12.0	13.3	14.7
35°	8.6	8.6	8.6	9.5	10.8	10.8	10.8	11.5	12.6	14.0	15.3
32.5°	8.6	8.6	8.6	9.5	10.8	10.8	10.9	11.8	13.1	14.9	16.4
30°	8.6	8.6	8.6	9.6	10.8	10.8	11.1	12.2	13.7	15.8	17.6
27.5°	8.6	8.6	8.6	9.6	10.7	10.8	11.3	12.6	14.3	16.7	19.0
25°	8.6	8.6	8.6	9.6	10.7	10.8	11.6	13.1	15.1	17.8	20.6
22.5°	8.6	8.6	8.6	9.6	10.6	10.8	11.8	13.5	15.8	19.0	24.3
20°	8.6	8.6	8.6	9.5	10.6	10.8	12.1	13.9	16.6	20.3	28.0
17.5°	8.6	8.6	8.6	9.5	10.6	10.8	12.3	14.3	17.3	21.6	31.8
15°	8.6	8.6	8.6	9.4	10.7	10.8	12.5	14.6	18.0	22.9	35.5
12.5°	8.6	8.6	8.6	9.3	10.7	10.8	12.6	14.7	18.7	24.3	39.2
10°	8.6	8.6	8.6	9.1	10.7	10.8	12.7	14.9	19.4	26.2	44.0
7.5°	8.6	8.6	8.6	9.0	10.7	10.8	12.8	15.0	20.0	28.4	52.0
5°	8.6	8.6	8.6	8.9	10.8	10.8	12.9	15.0	20.6	30.5	60.0
2.5°	8.6	8.6	8.6	8.7	10.8	10.8	12.9	15.1	21.1	32.5	67.9
0°	8.6	8.6	8.6	8.6	10.8	10.8	12.9	15.1	21.5	34.4	75.3
-2.5°	8.6	8.6	8.6	8.7	10.8	11.3	13.8	17.1	27.3	47.1	97.4
-5°	8.6	8.6	8.6	8.9	10.8	11.7	14.6	19.0	32.8	59.3	118.1
-7.5°	8.6	8.6	8.6	9.0	10.7	12.2	15.3	20.9	37.9	70.5	136.9
-10°	8.6	8.6	8.6	9.1	10.7	12.5	16.1	22.5	42.3	80.3	153.2
-12.5°	8.6	8.6	8.6	9.3	10.7	12.9	16.7	23.9	45.9	88.6	164.6
-15°	8.6	8.6	8.6	9.4	10.7	13.1	17.3	25.1	49.4	95.7	172.3
-17.5°	8.6	8.6	8.6	9.5	10.6	13.3	17.7	26.9	52.8	100.9	177.5
-20°	8.6	8.6	8.6	9.5	10.6	13.4	18.3	28.8	55.1	104.1	179.9



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.6	8.6	8.6	9.6	10.6	13.4	18.9	30.2	55.9	105.0	179.3
-25°	8.6	8.6	8.6	9.6	10.7	13.3	19.3	30.9	55.4	103.7	175.7
-27.5°	8.6	8.6	8.6	9.6	10.7	13.2	19.3	30.9	53.2	101.0	173.6
-30°	8.6	8.6	8.6	9.6	10.8	12.9	19.0	30.3	52.0	98.5	168.5
-32.5°	8.6	8.6	8.6	9.5	10.9	12.6	18.3	29.8	51.3	93.8	160.1
-35°	8.6	8.6	8.6	9.5	11.0	12.2	17.7	29.0	49.5	86.8	148.2
-37.5°	8.6	8.6	8.6	9.4	11.1	11.9	17.2	27.6	46.6	77.4	130.8
-40°	8.6	8.6	8.6	9.2	11.1	12.0	16.5	25.7	42.6	71.2	114.5
-42.5°	8.6	8.6	8.6	9.1	11.1	12.1	15.7	23.2	39.1	64.0	97.4
-45°	8.6	8.6	8.6	8.9	10.9	12.1	14.7	20.9	35.5	55.8	80.9
-47.5°	8.6	8.6	8.6	8.8	10.6	12.0	13.7	19.6	31.1	47.2	71.1
-50°	8.6	8.6	8.6	8.8	10.4	12.0	13.4	18.1	25.7	41.0	60.7
-52.5°	8.6	8.6	8.6	8.8	10.2	11.9	13.2	16.5	22.5	34.2	50.0
-55°	8.6	8.6	8.6	8.9	9.9	11.6	13.0	14.8	20.1	27.0	41.7
-57.5°	8.6	8.6	8.6	8.9	9.7	11.3	12.8	14.4	17.7	23.1	32.9
-60°	8.6	8.6	8.6	8.9	9.4	10.9	12.4	14.0	15.5	20.1	25.5
-62.5°	8.6	8.6	8.6	9.0	9.5	10.6	12.0	13.5	14.9	16.9	21.8
-65°	8.6	8.6	8.6	9.0	9.5	10.2	11.6	12.9	14.3	15.7	18.0
-67.5°	8.6	8.6	8.6	9.0	9.5	10.0	11.1	12.4	13.7	15.0	16.3
-70°	8.6	8.6	8.6	9.1	9.6	10.1	10.7	11.9	13.1	14.3	15.5
-72.5°	8.6	8.6	8.6	9.0	9.6	10.1	10.7	11.3	12.4	13.6	14.7
-75°	8.6	8.6	8.6	9.0	9.6	10.2	10.7	11.1	11.8	12.8	13.9
-77.5°	8.6	8.6	8.6	8.9	9.5	10.2	10.7	11.0	11.5	12.1	13.0
-80°	8.6	8.6	8.6	8.9	9.3	10.0	10.8	10.9	11.2	11.6	12.2
-82.5°	8.6	8.6	8.6	8.8	9.2	9.7	10.3	10.6	10.8	11.0	11.3
-85°	8.6	8.6	8.6	8.7	9.0	9.3	9.7	9.9	10.1	10.3	10.5
-87.5°	8.6	8.6	8.6	8.7	8.8	9.0	9.2	9.3	9.4	9.4	9.5
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.6	8.6	8.6	8.6	8.1	7.6	7.0	6.5	6.5	6.5	6.5
87.5°	8.3	8.1	7.9	7.7	7.5	7.2	6.9	6.5	6.0	5.4	4.9
85°	8.6	8.6	8.6	8.6	8.1	7.6	7.0	6.5	6.2	6.0	5.8
82.5°	8.6	8.6	8.6	8.6	8.1	7.6	7.1	6.6	6.5	6.5	6.5
80°	8.6	8.6	8.6	8.6	8.2	7.6	7.1	6.6	6.5	6.6	6.6
77.5°	8.6	8.6	8.6	8.6	8.2	7.9	7.7	7.7	7.7	7.5	7.1
75°	8.6	8.6	8.7	8.7	8.5	8.5	8.6	8.6	8.3	7.8	7.2
72.5°	9.0	9.2	9.2	8.9	8.6	8.6	8.6	8.6	8.9	9.0	8.8
70°	9.8	9.9	9.5	9.0	8.6	8.8	9.8	10.9	11.9	11.8	11.7
67.5°	10.6	10.1	9.6	9.2	9.5	10.5	11.9	13.6	15.2	15.2	15.7
65°	10.7	10.2	10.0	10.2	10.7	12.6	14.5	16.4	21.0	23.8	25.2
62.5°	10.8	10.5	10.6	11.3	13.0	15.0	18.0	23.1	30.4	34.2	33.1
60°	10.8	10.7	11.5	13.1	15.0	17.0	21.7	28.8	38.3	45.1	41.1
57.5°	10.8	11.3	12.8	14.5	16.0	17.8	24.2	33.2	44.2	56.2	48.7
55°	11.1	12.2	13.9	15.4	17.0	18.5	25.2	35.3	47.8	55.0	47.9
52.5°	11.9	13.1	14.7	16.3	17.9	19.6	24.5	34.4	41.8	47.4	43.9
50°	12.7	14.0	15.5	17.2	19.1	20.9	21.7	29.7	35.7	38.2	38.0
47.5°	13.5	14.9	16.2	18.2	20.6	22.1	22.0	26.1	30.5	33.2	30.9
45°	14.3	15.7	17.1	19.8	22.3	23.8	25.0	24.2	31.1	32.9	31.6
42.5°	15.0	16.5	19.0	21.5	24.8	28.3	30.3	32.8	36.2	39.5	38.7
40°	15.7	17.3	21.6	26.7	29.0	35.6	42.0	45.9	47.3	50.3	50.4
37.5°	16.4	20.0	26.6	37.3	37.4	47.2	56.3	65.5	68.2	63.2	71.6
35°	17.0	23.0	40.3	53.1	55.2	62.7	77.8	91.7	100.0	95.3	103.1
32.5°	18.9	26.3	58.1	71.5	84.9	91.7	102.5	132.5	161.4	170.2	154.9
30°	22.3	42.6	78.3	91.8	123.3	144.0	150.5	190.9	251.3	304.2	408.4
27.5°	26.6	62.5	97.3	125.8	171.2	208.5	224.7	290.9	394.2	533.6	833.5
25°	31.1	83.5	117.4	169.1	233.9	277.2	303.9	397.2	570.6	1015.6	1576.0
22.5°	42.1	104.8	142.9	217.4	304.7	342.3	398.6	525.7	816.8	1556.4	2486.1
20°	59.1	125.0	179.1	265.0	380.5	404.5	485.9	649.1	1153.7	2274.2	3391.1
17.5°	75.9	147.8	218.7	321.3	438.9	487.1	570.6	761.4	1436.3	3173.5	4565.9
15°	92.2	172.5	256.1	378.3	507.1	602.2	730.1	1014.2	1976.6	4238.4	6121.2
12.5°	107.6	198.4	291.1	435.1	586.0	724.3	913.1	1426.4	2940.2	5482.5	8292.6
10°	122.1	224.9	323.5	490.5	672.5	850.8	1102.6	1877.4	3914.1	6565.2	10011.9
7.5°	155.5	265.2	359.8	543.5	763.0	978.7	1293.8	2346.6	4793.1	7481.4	11448.6
5°	192.5	319.6	429.2	626.5	858.3	1099.2	1469.1	2811.4	5563.7	8236.1	12742.7
2.5°	228.8	372.1	496.9	709.1	949.6	1204.0	1577.6	3216.6	6168.3	8874.7	13859.5
0°	262.6	421.8	561.7	785.5	1033.0	1299.9	1670.0	3570.3	6628.4	9391.6	14739.5
-2.5°	303.9	475.0	633.6	858.2	1061.1	1302.7	1671.5	3439.7	6728.4	9880.1	14409.4
-5°	339.6	523.4	700.2	924.3	1086.0	1298.7	1658.0	3240.2	6673.2	10141.7	14143.2
-7.5°	368.3	566.6	760.3	977.0	1109.0	1312.1	1690.4	3284.2	6581.3	10141.7	13976.4
-10°	385.0	578.9	760.7	974.1	1123.9	1329.1	1712.4	3206.6	6300.8	9931.6	13637.0
-12.5°	370.1	563.6	745.0	961.4	1133.3	1332.5	1705.3	2987.0	5828.0	9503.5	13213.4
-15°	352.5	545.3	722.7	937.9	1136.7	1320.9	1665.5	2610.8	5053.1	8581.5	12702.6
-17.5°	332.9	524.4	693.5	902.9	1133.9	1293.0	1568.6	2015.6	4050.2	7293.2	11530.4
-20°	312.0	501.2	657.3	855.7	1118.3	1228.9	1421.4	1788.0	3195.5	5849.0	9687.2



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	290.6	476.1	619.5	809.1	1027.9	1151.6	1283.9	1547.8	2259.3	4225.6	7304.3
-25°	278.4	444.4	586.7	747.7	935.2	1079.5	1145.5	1311.7	1667.9	3102.0	5332.6
-27.5°	272.8	414.3	546.1	684.5	850.6	1003.9	1052.4	1159.8	1425.9	2001.1	3602.4
-30°	263.3	373.3	501.6	624.0	776.5	913.2	984.1	1052.2	1222.1	1533.0	2420.0
-32.5°	242.4	331.6	453.5	571.8	703.6	836.1	942.8	1008.1	1115.0	1277.4	1571.5
-35°	216.7	300.8	404.7	515.5	631.5	764.5	884.8	980.5	1032.3	1144.2	1341.1
-37.5°	193.2	267.5	355.7	458.6	566.7	689.9	822.3	926.6	1002.7	1056.2	1197.4
-40°	168.4	231.6	313.9	405.2	502.5	615.1	737.0	858.3	954.5	1034.6	1097.4
-42.5°	143.2	202.8	272.2	352.8	444.9	543.5	648.2	767.1	886.7	990.8	1069.9
-45°	123.5	172.9	230.0	307.1	388.3	474.4	569.3	667.7	796.1	914.1	1012.6
-47.5°	103.1	144.0	196.5	260.5	335.0	411.7	491.6	590.2	696.8	813.3	925.7
-50°	84.3	121.0	163.0	220.7	284.5	352.2	423.3	513.4	611.7	711.1	813.9
-52.5°	72.0	97.3	136.2	181.5	237.8	298.3	363.8	440.7	527.8	618.6	709.8
-55°	59.1	81.0	109.8	148.0	192.2	246.4	308.0	374.8	443.2	526.0	607.7
-57.5°	47.7	66.3	89.1	117.4	154.0	194.6	251.7	311.2	374.0	438.0	506.1
-60°	37.0	52.5	71.8	93.7	118.9	154.8	195.6	247.0	302.8	359.0	416.4
-62.5°	27.1	39.6	55.3	73.6	94.4	117.0	149.8	188.6	230.4	277.2	325.3
-65°	22.7	28.2	39.5	54.7	71.5	91.1	112.5	135.5	169.4	202.9	236.2
-67.5°	18.1	22.9	28.2	35.7	49.9	65.5	81.9	101.3	121.8	140.5	162.3
-70°	16.6	17.8	21.6	26.6	32.1	40.5	54.4	68.9	83.5	97.6	113.5
-72.5°	15.6	16.5	17.6	19.0	23.1	28.1	33.8	40.0	49.4	60.6	71.7
-75°	14.5	15.0	15.8	16.8	18.0	19.4	21.3	25.8	30.8	35.6	40.2
-77.5°	13.5	14.0	14.4	14.8	15.2	16.1	17.2	18.4	19.9	21.9	24.0
-80°	12.6	12.9	13.2	13.5	13.6	13.7	14.0	14.3	14.9	15.6	16.7
-82.5°	11.6	11.8	12.1	12.3	12.0	11.7	11.5	11.4	11.7	12.1	12.4
-85°	10.6	10.8	11.0	11.1	10.7	10.3	9.9	9.5	9.6	9.8	9.9
-87.5°	9.6	9.7	9.8	9.9	9.4	8.9	8.5	8.0	8.0	8.1	8.2
-90°	8.1	7.6	7.0	6.5	6.5	6.5	6.5	6.5	6.0	5.4	4.9



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.5	6.5	6.5	6.5	6.5	7.0	7.6	8.1	8.6	9.7	10.7
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.3
85°	5.7	5.4	5.1	4.7	4.3	4.3	4.3	4.3	4.3	3.8	3.3
82.5°	6.5	6.0	5.4	4.9	4.3	4.3	4.3	4.3	4.3	3.8	3.3
80°	6.5	6.2	6.0	5.8	5.7	5.5	5.2	4.8	4.3	3.8	3.3
77.5°	6.6	6.5	6.5	6.5	6.5	6.1	5.5	4.9	4.4	3.8	3.3
75°	6.7	6.6	6.7	6.7	6.6	6.3	6.1	6.1	6.1	5.7	5.3
72.5°	8.4	8.1	7.9	7.8	7.5	7.3	7.2	7.0	6.6	6.4	6.4
70°	11.5	11.3	11.0	10.7	10.3	9.8	9.5	9.0	8.3	8.2	8.3
67.5°	16.9	17.2	17.0	16.3	14.6	13.2	12.3	11.5	10.6	10.6	11.2
65°	24.8	21.7	19.7	18.0	16.5	15.3	14.5	13.7	12.8	13.0	14.9
62.5°	29.4	23.1	19.7	18.4	17.7	17.0	15.8	15.0	14.5	15.0	16.5
60°	34.3	24.9	18.5	17.4	16.3	15.2	15.1	15.1	15.1	15.3	16.0
57.5°	36.7	25.4	17.1	16.5	15.9	15.3	15.3	15.5	15.4	15.2	15.8
55°	35.9	25.6	17.6	16.8	16.7	16.9	16.9	16.0	15.5	15.1	15.7
52.5°	32.7	24.7	18.9	17.3	17.3	16.5	15.2	15.9	16.8	17.6	18.4
50°	29.1	23.2	20.3	18.9	18.9	19.0	19.0	20.1	21.2	21.9	22.8
47.5°	26.7	23.3	23.2	22.7	23.4	24.6	25.0	26.2	29.5	31.2	31.9
45°	27.0	28.6	29.8	30.9	30.8	36.9	41.3	43.7	46.5	49.2	51.3
42.5°	36.4	40.6	44.4	50.0	53.4	63.5	68.8	62.2	76.0	87.9	90.7
40°	55.8	61.9	75.1	89.9	107.5	115.2	151.0	152.6	168.2	207.1	219.6
37.5°	84.9	102.1	148.2	187.1	249.0	285.8	331.3	375.0	410.2	446.2	470.8
35°	132.3	220.3	289.7	411.2	494.3	536.3	590.4	655.1	682.4	795.9	882.6
32.5°	282.8	440.8	629.1	726.2	835.2	918.5	906.9	1175.6	1279.2	1449.8	1588.5
30°	522.7	900.1	1405.6	1405.7	1386.0	1845.7	2013.9	2361.0	2717.0	2954.1	3521.0
27.5°	1208.2	2009.1	2809.8	2826.0	3172.8	4132.7	4679.3	4843.5	6387.8	7379.5	8732.3
25°	2226.4	3544.6	4649.1	5163.1	6193.4	7757.1	8682.8	9786.6	12091.5	14717.8	16375.8
22.5°	3315.8	4720.7	6380.4	7550.9	9525.4	11537.0	13220.5	15656.2	18753.9	21684.5	23667.3
20°	4135.9	5786.3	8130.6	10589.2	13090.6	15612.3	18227.4	21574.2	25767.6	29336.2	32561.6
17.5°	5808.0	7553.1	10725.8	14069.8	17464.8	20159.0	24288.7	28302.7	33411.5	38589.9	42600.8
15°	8282.3	11095.2	14269.5	18607.2	23382.3	27505.0	31883.7	38927.8	45143.0	51798.6	57745.3
12.5°	11457.4	15185.5	19391.9	24380.5	30639.0	37108.9	43787.0	51222.2	59351.3	67345.9	75832.3
10°	14422.0	19545.7	24976.7	31114.8	38276.7	46447.3	54606.9	63031.4	74327.7	84565.8	93640.7
7.5°	16468.9	22503.4	29169.1	36671.6	45511.6	54201.8	63418.8	74873.4	88070.4	99679.7	108979.8
5°	18307.0	25145.0	31800.7	39385.1	49662.8	59595.8	70486.2	84428.2	99450.9	112182.0	121450.5
2.5°	19907.3	27265.8	33729.4	41370.1	52654.4	62989.0	74881.2	91496.7	108997.7	121749.9	131529.4
0°	21223.7	28405.2	34820.5	42690.6	54621.7	65265.9	77465.9	95943.6	116089.2	128971.4	138371.7
-2.5°	19949.2	26464.0	32796.4	40767.9	52791.2	63692.3	76878.5	95673.5	115444.0	129338.3	139044.4
-5°	18986.5	24935.8	30947.3	38835.0	49410.1	59518.2	71891.7	91221.1	112030.2	126069.2	135890.3
-7.5°	18240.4	23432.5	28898.1	36161.3	45835.2	56554.2	69821.1	88470.8	108134.0	122332.9	131231.7
-10°	17427.1	21887.5	27844.1	35164.8	44572.0	54791.0	66577.0	83828.8	103696.4	117357.9	127780.5
-12.5°	17179.4	21889.1	27889.0	34245.2	42898.3	52711.8	63948.6	78643.5	93871.7	108197.4	117337.5
-15°	16779.8	21559.2	27431.1	33409.4	41254.3	50705.6	60085.9	70945.6	83673.8	94025.0	103573.1
-17.5°	15996.5	20589.2	25002.0	30588.3	38223.5	46985.4	54093.1	62633.5	71816.6	79709.8	86912.0
-20°	14121.2	17244.6	21427.0	26694.9	33238.0	40332.9	46804.3	52966.1	58867.6	64880.8	69046.5



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	10805.3	13804.7	17311.3	21687.1	26874.1	33057.3	38776.1	42949.5	47643.8	51973.7	55533.7
-25°	7901.8	10099.4	13372.4	17106.2	20491.2	25443.6	29832.3	32650.8	36771.4	40008.2	43089.8
-27.5°	5714.3	7866.4	10535.4	13485.8	16023.8	18684.3	22558.5	25249.9	28490.7	30972.8	33543.1
-30°	3900.3	6270.2	8730.0	11143.3	13074.1	15084.1	17231.1	19885.9	22487.6	24572.8	26429.7
-32.5°	2705.2	4422.5	6826.4	9074.9	10819.9	12352.4	13763.2	15780.0	17726.9	19424.2	20815.9
-35°	1657.3	2875.3	4540.1	6681.3	8526.0	9998.7	11299.8	12584.4	13829.9	15107.0	16182.9
-37.5°	1402.2	1692.9	2730.3	4204.6	5961.9	7601.0	8875.4	9936.1	10876.2	11848.1	12613.2
-40°	1239.1	1413.0	1673.4	2212.7	3564.3	4926.9	6301.0	7442.6	8476.5	9338.4	10008.3
-42.5°	1131.6	1247.9	1374.7	1586.2	1836.8	2504.7	3686.4	4838.5	5960.1	6900.6	7689.0
-45°	1098.2	1156.6	1225.2	1338.4	1442.1	1645.3	1864.7	2091.9	2983.6	3929.7	4763.4
-47.5°	1022.3	1115.8	1178.0	1226.6	1284.4	1376.4	1460.6	1568.0	1772.8	1975.9	2141.9
-50°	921.5	1023.8	1109.7	1193.1	1251.9	1292.1	1322.8	1378.4	1460.1	1539.4	1603.5
-52.5°	799.6	898.7	998.7	1099.9	1183.5	1260.9	1333.6	1383.9	1422.0	1454.5	1471.1
-55°	688.6	771.6	855.1	957.0	1058.0	1155.0	1248.2	1327.6	1401.6	1470.7	1509.9
-57.5°	580.3	651.7	726.2	817.2	907.0	995.1	1085.4	1177.1	1266.7	1350.3	1398.8
-60°	477.0	540.4	607.8	681.3	759.2	840.6	918.4	996.0	1073.0	1141.2	1181.3
-62.5°	375.9	429.2	484.0	542.1	603.5	667.7	732.2	797.5	862.6	917.4	951.2
-65°	273.1	316.6	358.4	400.9	443.9	492.5	543.6	593.4	641.5	679.1	703.8
-67.5°	190.9	219.1	244.7	269.7	300.2	334.8	371.5	407.3	441.7	467.6	485.1
-70°	129.6	145.3	159.4	175.7	195.7	216.3	237.9	258.6	278.4	293.4	305.0
-72.5°	82.8	93.2	103.2	114.4	125.2	137.0	149.4	161.2	172.3	180.0	186.1
-75°	44.7	50.2	58.4	66.1	73.3	81.9	90.8	99.1	106.8	110.9	113.7
-77.5°	27.3	31.1	34.6	38.0	41.2	45.8	51.0	56.2	61.4	63.8	65.5
-80°	18.0	19.7	21.5	23.3	25.1	27.9	30.8	33.6	36.5	37.4	37.9
-82.5°	12.8	13.3	14.0	14.6	15.4	17.1	19.0	20.9	22.7	24.1	25.4
-85°	10.0	10.1	10.2	10.3	10.4	11.3	12.4	13.5	14.6	15.3	15.9
-87.5°	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6	9.2	9.7
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.3



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.8	12.9	11.9	10.8	11.9	12.9	11.8	10.7	9.7	8.6	8.1
87.5°	2.7	2.2	1.1	0.0	1.1	2.2	2.7	3.3	3.8	4.3	4.3
85°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.3
82.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.3
80°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.8
77.5°	2.8	2.2	3.2	4.3	3.2	2.2	2.8	3.3	3.8	4.4	4.9
75°	4.8	4.3	4.3	4.3	4.3	4.3	4.8	5.3	5.7	6.1	6.1
72.5°	6.4	6.4	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.6	7.0
70°	8.5	8.5	8.6	8.6	8.6	8.5	8.5	8.3	8.2	8.3	9.0
67.5°	12.0	12.7	12.9	12.9	12.9	12.7	12.0	11.2	10.6	10.6	11.5
65°	16.8	18.8	18.4	17.2	18.4	18.8	16.8	14.9	13.0	12.8	13.7
62.5°	17.8	19.1	19.4	19.4	19.4	19.1	17.8	16.5	15.0	14.5	15.0
60°	16.6	17.1	17.2	17.2	17.2	17.1	16.6	16.0	15.3	15.1	15.1
57.5°	16.4	17.0	17.2	17.2	17.2	17.0	16.4	15.8	15.2	15.4	15.5
55°	16.3	17.0	17.2	17.2	17.2	17.0	16.3	15.7	15.1	15.5	16.0
52.5°	18.9	19.2	19.4	19.4	19.4	19.2	18.9	18.4	17.6	16.8	15.9
50°	23.9	25.0	24.2	21.5	24.2	25.0	23.9	22.8	21.9	21.2	20.1
47.5°	31.9	30.8	30.0	30.1	30.0	30.8	31.9	31.9	31.2	29.5	26.2
45°	52.0	51.5	51.1	51.6	51.1	51.5	52.0	51.3	49.2	46.5	43.7
42.5°	93.8	94.1	92.6	90.4	92.6	94.1	93.8	90.7	87.9	76.0	62.2
40°	219.0	200.7	175.9	161.4	175.9	200.7	219.0	219.6	207.1	168.2	152.6
37.5°	493.4	507.7	509.1	499.3	509.1	507.7	493.4	470.8	446.2	410.2	375.0
35°	937.4	971.0	972.8	955.5	972.8	971.0	937.4	882.6	795.9	682.4	655.1
32.5°	1586.3	1661.8	1690.1	1682.9	1690.1	1661.8	1586.3	1588.5	1449.8	1279.2	1175.6
30°	3257.4	3280.0	3048.0	2623.4	3048.0	3280.0	3257.4	3521.0	2954.1	2717.0	2361.0
27.5°	9466.1	10339.8	10656.7	10517.2	10656.7	10339.8	9466.1	8732.3	7379.5	6387.8	4843.5
25°	16851.9	17427.6	18002.2	18068.8	18002.2	17427.6	16851.9	16375.8	14717.8	12091.5	9786.6
22.5°	25040.6	25858.7	26635.1	26457.6	26635.1	25858.7	25040.6	23667.3	21684.5	18753.9	15656.2
20°	34610.1	35174.3	35747.3	35113.2	35747.3	35174.3	34610.1	32561.6	29336.2	25767.6	21574.2
17.5°	46802.1	49458.6	51816.8	50750.1	51816.8	49458.6	46802.1	42600.8	38589.9	33411.5	28302.7
15°	63344.3	67968.0	70679.7	70536.3	70679.7	67968.0	63344.3	57745.3	51798.6	45143.0	38927.8
12.5°	82406.9	87238.7	90006.1	89433.6	90006.1	87238.7	82406.9	75832.3	67345.9	59351.3	51222.2
10°	99605.4	103399.7	106687.9	107975.9	106687.9	103399.7	99605.4	93640.7	84565.8	74327.7	63031.4
7.5°	114796.2	117623.1	120365.8	120856.0	120365.8	117623.1	114796.2	108979.8	99679.7	88070.4	74873.4
5°	127301.1	131306.2	132856.6	133471.4	132856.6	131306.2	127301.1	121450.5	112182.0	99450.9	84428.2
2.5°	137393.5	141057.2	142996.5	142424.1	142996.5	141057.2	137393.5	131529.4	121749.9	108997.7	91496.7
0°	143191.2	146091.2	147675.1	147296.3	147675.1	146091.2	143191.2	138371.7	128971.4	116089.2	95943.6
-2.5°	143762.7	145712.7	146951.6	146465.6	146951.6	145712.7	143762.7	139044.4	129338.3	115444.0	95673.5
-5°	139809.0	141395.8	142046.8	142325.1	142046.8	141395.8	139809.0	135890.3	126069.2	112030.2	91221.1
-7.5°	134361.4	136492.9	136168.8	136729.6	136168.8	136492.9	134361.4	131231.7	122332.9	108134.0	88470.8
-10°	131116.8	133084.1	132799.2	132950.6	132799.2	133084.1	131116.8	127780.5	117357.9	103696.4	83828.8
-12.5°	123244.4	126100.7	126539.2	127031.3	126539.2	126100.7	123244.4	117337.5	108197.4	93871.7	78643.5
-15°	109840.3	112978.8	114876.5	115303.7	114876.5	112978.8	109840.3	103573.1	94025.0	83673.8	70945.6
-17.5°	92899.7	97240.2	100291.6	101001.0	100291.6	97240.2	92899.7	86912.0	79709.8	71816.6	62633.5
-20°	74133.7	77240.7	78821.8	79674.0	78821.8	77240.7	74133.7	69046.5	64880.8	58867.6	52966.1



REPORT NUMBER: P701620 (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°
-22.5°	58349.9	60401.8	61282.8	61426.6	61282.8	60401.8	58349.9	55533.7	51973.7	47643.8	42949.5
-25°	45585.2	46983.8	47583.3	48468.9	47583.3	46983.8	45585.2	43089.8	40008.2	36771.4	32650.8
-27.5°	35375.7	36605.5	37153.9	37969.0	37153.9	36605.5	35375.7	33543.1	30972.8	28490.7	25249.9
-30°	27682.2	28423.0	28607.9	28648.4	28607.9	28423.0	27682.2	26429.7	24572.8	22487.6	19885.9
-32.5°	21896.6	22731.0	23229.1	23451.1	23229.1	22731.0	21896.6	20815.9	19424.2	17726.9	15780.0
-35°	16988.6	17538.6	17866.0	18234.5	17866.0	17538.6	16988.6	16182.9	15107.0	13829.9	12584.4
-37.5°	13208.1	13615.9	13841.5	13917.4	13841.5	13615.9	13208.1	12613.2	11848.1	10876.2	9936.1
-40°	10542.7	10947.6	11190.8	11227.4	11190.8	10947.6	10542.7	10008.3	9338.4	8476.5	7442.6
-42.5°	8287.9	8792.5	9118.8	9193.6	9118.8	8792.5	8287.9	7689.0	6900.6	5960.1	4838.5
-45°	5373.1	5842.7	6091.2	6075.3	6091.2	5842.7	5373.1	4763.4	3929.7	2983.6	2091.9
-47.5°	2248.0	2323.7	2356.2	2345.8	2356.2	2323.7	2248.0	2141.9	1975.9	1772.8	1568.0
-50°	1654.1	1697.0	1720.5	1726.0	1720.5	1697.0	1654.1	1603.5	1539.4	1460.1	1378.4
-52.5°	1485.4	1501.1	1506.6	1506.4	1506.6	1501.1	1485.4	1471.1	1454.5	1422.0	1383.9
-55°	1546.3	1581.0	1594.6	1594.7	1594.6	1581.0	1546.3	1509.9	1470.7	1401.6	1327.6
-57.5°	1442.8	1481.7	1499.7	1504.3	1499.7	1481.7	1442.8	1398.8	1350.3	1266.7	1177.1
-60°	1217.3	1248.6	1262.2	1265.4	1262.2	1248.6	1217.3	1181.3	1141.2	1073.0	996.0
-62.5°	980.1	1003.8	1011.1	1009.3	1011.1	1003.8	980.1	951.2	917.4	862.6	797.5
-65°	724.4	740.7	742.0	736.0	742.0	740.7	724.4	703.8	679.1	641.5	593.4
-67.5°	499.0	509.4	509.9	505.7	509.9	509.4	499.0	485.1	467.6	441.7	407.3
-70°	314.8	322.7	323.1	320.7	323.1	322.7	314.8	305.0	293.4	278.4	258.6
-72.5°	191.3	195.7	199.5	202.3	199.5	195.7	191.3	186.1	180.0	172.3	161.2
-75°	115.8	117.2	117.1	116.2	117.1	117.2	115.8	113.7	110.9	106.8	99.1
-77.5°	67.0	68.3	70.8	73.2	70.8	68.3	67.0	65.5	63.8	61.4	56.2
-80°	38.3	38.5	39.7	40.9	39.7	38.5	38.3	37.9	37.4	36.5	33.6
-82.5°	26.6	27.9	28.0	28.0	28.0	27.9	26.6	25.4	24.1	22.7	20.9
-85°	16.6	17.1	18.3	19.4	18.3	17.1	16.6	15.9	15.3	14.6	13.5
-87.5°	10.3	10.8	10.8	10.8	10.8	10.8	10.3	9.7	9.2	8.6	8.6
-90°	2.7	2.2	1.1	0.0	1.1	2.2	2.7	3.3	3.8	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.6	7.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9	5.4	6.0	6.5
85°	4.3	4.3	4.3	4.7	5.1	5.4	5.7	5.8	6.0	6.2	6.5
82.5°	4.3	4.3	4.3	4.9	5.4	6.0	6.5	6.5	6.5	6.5	6.6
80°	5.2	5.5	5.7	5.8	6.0	6.2	6.5	6.6	6.6	6.5	6.6
77.5°	5.5	6.1	6.5	6.5	6.5	6.5	6.6	7.1	7.5	7.7	7.7
75°	6.1	6.3	6.6	6.7	6.7	6.6	6.7	7.2	7.8	8.3	8.6
72.5°	7.2	7.3	7.5	7.8	7.9	8.1	8.4	8.8	9.0	8.9	8.6
70°	9.5	9.8	10.3	10.7	11.0	11.3	11.5	11.7	11.8	11.9	10.9
67.5°	12.3	13.2	14.6	16.3	17.0	17.2	16.9	15.7	15.2	15.2	13.6
65°	14.5	15.3	16.5	18.0	19.7	21.7	24.8	25.2	23.8	21.0	16.4
62.5°	15.8	17.0	17.7	18.4	19.7	23.1	29.4	33.1	34.2	30.4	23.1
60°	15.1	15.2	16.3	17.4	18.5	24.9	34.3	41.1	45.1	38.3	28.8
57.5°	15.3	15.3	15.9	16.5	17.1	25.4	36.7	48.7	56.2	44.2	33.2
55°	16.9	16.9	16.7	16.8	17.6	25.6	35.9	47.9	55.0	47.8	35.3
52.5°	15.2	16.5	17.3	17.3	18.9	24.7	32.7	43.9	47.4	41.8	34.4
50°	19.0	19.0	18.9	18.9	20.3	23.2	29.1	38.0	38.2	35.7	29.7
47.5°	25.0	24.6	23.4	22.7	23.2	23.3	26.7	30.9	33.2	30.5	26.1
45°	41.3	36.9	30.8	30.9	29.8	28.6	27.0	31.6	32.9	31.1	24.2
42.5°	68.8	63.5	53.4	50.0	44.4	40.6	36.4	38.7	39.5	36.2	32.8
40°	151.0	115.2	107.5	89.9	75.1	61.9	55.8	50.4	50.3	47.3	45.9
37.5°	331.3	285.8	249.0	187.1	148.2	102.1	84.9	71.6	63.2	68.2	65.5
35°	590.4	536.3	494.3	411.2	289.7	220.3	132.3	103.1	95.3	100.0	91.7
32.5°	906.9	918.5	835.2	726.2	629.1	440.8	282.8	154.9	170.2	161.4	132.5
30°	2013.9	1845.7	1386.0	1405.7	1405.6	900.1	522.7	408.4	304.2	251.3	190.9
27.5°	4679.3	4132.7	3172.8	2826.0	2809.8	2009.1	1208.2	833.5	533.6	394.2	290.9
25°	8682.8	7757.1	6193.4	5163.1	4649.1	3544.6	2226.4	1576.0	1015.6	570.6	397.2
22.5°	13220.5	11537.0	9525.4	7550.9	6380.4	4720.7	3315.8	2486.1	1556.4	816.8	525.7
20°	18227.4	15612.3	13090.6	10589.2	8130.6	5786.3	4135.9	3391.1	2274.2	1153.7	649.1
17.5°	24288.7	20159.0	17464.8	14069.8	10725.8	7553.1	5808.0	4565.9	3173.5	1436.3	761.4
15°	31883.7	27505.0	23382.3	18607.2	14269.5	11095.2	8282.3	6121.2	4238.4	1976.6	1014.2
12.5°	43787.0	37108.9	30639.0	24380.5	19391.9	15185.5	11457.4	8292.6	5482.5	2940.2	1426.4
10°	54606.9	46447.3	38276.7	31114.8	24976.7	19545.7	14422.0	10011.9	6565.2	3914.1	1877.4
7.5°	63418.8	54201.8	45511.6	36671.6	29169.1	22503.4	16468.9	11448.6	7481.4	4793.1	2346.6
5°	70486.2	59595.8	49662.8	39385.1	31800.7	25145.0	18307.0	12742.7	8236.1	5563.7	2811.4
2.5°	74881.2	62989.0	52654.4	41370.1	33729.4	27265.8	19907.3	13859.5	8874.7	6168.3	3216.6
0°	77465.9	65265.9	54621.7	42690.6	34820.5	28405.2	21223.7	14739.5	9391.6	6628.4	3570.3
-2.5°	76878.5	63692.3	52791.2	40767.9	32796.4	26464.0	19949.2	14409.4	9880.1	6728.4	3439.7
-5°	71891.7	59518.2	49410.1	38835.0	30947.3	24935.8	18986.5	14143.2	10141.7	6673.2	3240.2
-7.5°	69821.1	56554.2	45835.2	36161.3	28898.1	23432.5	18240.4	13976.4	10141.7	6581.3	3284.2
-10°	66577.0	54791.0	44572.0	35164.8	27844.1	21887.5	17427.1	13637.0	9931.6	6300.8	3206.6
-12.5°	63948.6	52711.8	42898.3	34245.2	27889.0	21889.1	17179.4	13213.4	9503.5	5828.0	2987.0
-15°	60085.9	50705.6	41254.3	33409.4	27431.1	21559.2	16779.8	12702.6	8581.5	5053.1	2610.8
-17.5°	54093.1	46985.4	38223.5	30588.3	25002.0	20589.2	15996.5	11530.4	7293.2	4050.2	2015.6
-20°	46804.3	40332.9	33238.0	26694.9	21427.0	17244.6	14121.2	9687.2	5849.0	3195.5	1788.0



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	38776.1	33057.3	26874.1	21687.1	17311.3	13804.7	10805.3	7304.3	4225.6	2259.3	1547.8
-25°	29832.3	25443.6	20491.2	17106.2	13372.4	10099.4	7901.8	5332.6	3102.0	1667.9	1311.7
-27.5°	22558.5	18684.3	16023.8	13485.8	10535.4	7866.4	5714.3	3602.4	2001.1	1425.9	1159.8
-30°	17231.1	15084.1	13074.1	11143.3	8730.0	6270.2	3900.3	2420.0	1533.0	1222.1	1052.2
-32.5°	13763.2	12352.4	10819.9	9074.9	6826.4	4422.5	2705.2	1571.5	1277.4	1115.0	1008.1
-35°	11299.8	9998.7	8526.0	6681.3	4540.1	2875.3	1657.3	1341.1	1144.2	1032.3	980.5
-37.5°	8875.4	7601.0	5961.9	4204.6	2730.3	1692.9	1402.2	1197.4	1056.2	1002.7	926.6
-40°	6301.0	4926.9	3564.3	2212.7	1673.4	1413.0	1239.1	1097.4	1034.6	954.5	858.3
-42.5°	3686.4	2504.7	1836.8	1586.2	1374.7	1247.9	1131.6	1069.9	990.8	886.7	767.1
-45°	1864.7	1645.3	1442.1	1338.4	1225.2	1156.6	1098.2	1012.6	914.1	796.1	667.7
-47.5°	1460.6	1376.4	1284.4	1226.6	1178.0	1115.8	1022.3	925.7	813.3	696.8	590.2
-50°	1322.8	1292.1	1251.9	1193.1	1109.7	1023.8	921.5	813.9	711.1	611.7	513.4
-52.5°	1333.6	1260.9	1183.5	1099.9	998.7	898.7	799.6	709.8	618.6	527.8	440.7
-55°	1248.2	1155.0	1058.0	957.0	855.1	771.6	688.6	607.7	526.0	443.2	374.8
-57.5°	1085.4	995.1	907.0	817.2	726.2	651.7	580.3	506.1	438.0	374.0	311.2
-60°	918.4	840.6	759.2	681.3	607.8	540.4	477.0	416.4	359.0	302.8	247.0
-62.5°	732.2	667.7	603.5	542.1	484.0	429.2	375.9	325.3	277.2	230.4	188.6
-65°	543.6	492.5	443.9	400.9	358.4	316.6	273.1	236.2	202.9	169.4	135.5
-67.5°	371.5	334.8	300.2	269.7	244.7	219.1	190.9	162.3	140.5	121.8	101.3
-70°	237.9	216.3	195.7	175.7	159.4	145.3	129.6	113.5	97.6	83.5	68.9
-72.5°	149.4	137.0	125.2	114.4	103.2	93.2	82.8	71.7	60.6	49.4	40.0
-75°	90.8	81.9	73.3	66.1	58.4	50.2	44.7	40.2	35.6	30.8	25.8
-77.5°	51.0	45.8	41.2	38.0	34.6	31.1	27.3	24.0	21.9	19.9	18.4
-80°	30.8	27.9	25.1	23.3	21.5	19.7	18.0	16.7	15.6	14.9	14.3
-82.5°	19.0	17.1	15.4	14.6	14.0	13.3	12.8	12.4	12.1	11.7	11.4
-85°	12.4	11.3	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5
-87.5°	8.5	8.5	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.0	8.0
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9	5.4	6.0	6.5



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	7.0	7.6	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	6.9	7.2	7.5	7.7	7.9	8.1	8.3	8.6	8.6	8.6	8.6
85°	7.0	7.6	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	7.1	7.6	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	7.1	7.6	8.2	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	7.7	7.9	8.2	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.5	8.5	8.7	8.7	8.6	8.6	8.7	8.8	8.6	8.6
72.5°	8.6	8.6	8.6	8.9	9.2	9.2	9.0	8.8	9.1	9.1	8.7
70°	9.8	8.8	8.6	9.0	9.5	9.9	9.8	9.5	9.4	9.5	9.3
67.5°	11.9	10.5	9.5	9.2	9.6	10.1	10.6	10.3	10.0	10.0	9.8
65°	14.5	12.6	10.7	10.2	10.0	10.2	10.7	10.8	10.5	10.3	10.4
62.5°	18.0	15.0	13.0	11.3	10.6	10.5	10.8	10.8	10.8	10.6	10.7
60°	21.7	17.0	15.0	13.1	11.5	10.7	10.8	10.8	10.8	10.8	10.8
57.5°	24.2	17.8	16.0	14.5	12.8	11.3	10.8	10.8	10.8	10.8	10.8
55°	25.2	18.5	17.0	15.4	13.9	12.2	11.1	10.8	10.8	10.8	10.8
52.5°	24.5	19.6	17.9	16.3	14.7	13.1	11.9	10.8	10.8	10.8	10.8
50°	21.7	20.9	19.1	17.2	15.5	14.0	12.7	11.4	10.8	10.8	10.8
47.5°	22.0	22.1	20.6	18.2	16.2	14.9	13.5	12.1	10.8	10.8	10.8
45°	25.0	23.8	22.3	19.8	17.1	15.7	14.3	12.8	11.4	10.9	10.8
42.5°	30.3	28.3	24.8	21.5	19.0	16.5	15.0	13.5	12.0	11.0	10.9
40°	42.0	35.6	29.0	26.7	21.6	17.3	15.7	14.1	12.5	11.3	11.0
37.5°	56.3	47.2	37.4	37.3	26.6	20.0	16.4	14.7	13.3	12.0	11.3
35°	77.8	62.7	55.2	53.1	40.3	23.0	17.0	15.3	14.0	12.6	11.5
32.5°	102.5	91.7	84.9	71.5	58.1	26.3	18.9	16.4	14.9	13.1	11.8
30°	150.5	144.0	123.3	91.8	78.3	42.6	22.3	17.6	15.8	13.7	12.2
27.5°	224.7	208.5	171.2	125.8	97.3	62.5	26.6	19.0	16.7	14.3	12.6
25°	303.9	277.2	233.9	169.1	117.4	83.5	31.1	20.6	17.8	15.1	13.1
22.5°	398.6	342.3	304.7	217.4	142.9	104.8	42.1	24.3	19.0	15.8	13.5
20°	485.9	404.5	380.5	265.0	179.1	125.0	59.1	28.0	20.3	16.6	13.9
17.5°	570.6	487.1	438.9	321.3	218.7	147.8	75.9	31.8	21.6	17.3	14.3
15°	730.1	602.2	507.1	378.3	256.1	172.5	92.2	35.5	22.9	18.0	14.6
12.5°	913.1	724.3	586.0	435.1	291.1	198.4	107.6	39.2	24.3	18.7	14.7
10°	1102.6	850.8	672.5	490.5	323.5	224.9	122.1	44.0	26.2	19.4	14.9
7.5°	1293.8	978.7	763.0	543.5	359.8	265.2	155.5	52.0	28.4	20.0	15.0
5°	1469.1	1099.2	858.3	626.5	429.2	319.6	192.5	60.0	30.5	20.6	15.0
2.5°	1577.6	1204.0	949.6	709.1	496.9	372.1	228.8	67.9	32.5	21.1	15.1
0°	1670.0	1299.9	1033.0	785.5	561.7	421.8	262.6	75.3	34.4	21.5	15.1
-2.5°	1671.5	1302.7	1061.1	858.2	633.6	475.0	303.9	97.4	47.1	27.3	17.1
-5°	1658.0	1298.7	1086.0	924.3	700.2	523.4	339.6	118.1	59.3	32.8	19.0
-7.5°	1690.4	1312.1	1109.0	977.0	760.3	566.6	368.3	136.9	70.5	37.9	20.9
-10°	1712.4	1329.1	1123.9	974.1	760.7	578.9	385.0	153.2	80.3	42.3	22.5
-12.5°	1705.3	1332.5	1133.3	961.4	745.0	563.6	370.1	164.6	88.6	45.9	23.9
-15°	1665.5	1320.9	1136.7	937.9	722.7	545.3	352.5	172.3	95.7	49.4	25.1
-17.5°	1568.6	1293.0	1133.9	902.9	693.5	524.4	332.9	177.5	100.9	52.8	26.9
-20°	1421.4	1228.9	1118.3	855.7	657.3	501.2	312.0	179.9	104.1	55.1	28.8



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	1283.9	1151.6	1027.9	809.1	619.5	476.1	290.6	179.3	105.0	55.9	30.2
-25°	1145.5	1079.5	935.2	747.7	586.7	444.4	278.4	175.7	103.7	55.4	30.9
-27.5°	1052.4	1003.9	850.6	684.5	546.1	414.3	272.8	173.6	101.0	53.2	30.9
-30°	984.1	913.2	776.5	624.0	501.6	373.3	263.3	168.5	98.5	52.0	30.3
-32.5°	942.8	836.1	703.6	571.8	453.5	331.6	242.4	160.1	93.8	51.3	29.8
-35°	884.8	764.5	631.5	515.5	404.7	300.8	216.7	148.2	86.8	49.5	29.0
-37.5°	822.3	689.9	566.7	458.6	355.7	267.5	193.2	130.8	77.4	46.6	27.6
-40°	737.0	615.1	502.5	405.2	313.9	231.6	168.4	114.5	71.2	42.6	25.7
-42.5°	648.2	543.5	444.9	352.8	272.2	202.8	143.2	97.4	64.0	39.1	23.2
-45°	569.3	474.4	388.3	307.1	230.0	172.9	123.5	80.9	55.8	35.5	20.9
-47.5°	491.6	411.7	335.0	260.5	196.5	144.0	103.1	71.1	47.2	31.1	19.6
-50°	423.3	352.2	284.5	220.7	163.0	121.0	84.3	60.7	41.0	25.7	18.1
-52.5°	363.8	298.3	237.8	181.5	136.2	97.3	72.0	50.0	34.2	22.5	16.5
-55°	308.0	246.4	192.2	148.0	109.8	81.0	59.1	41.7	27.0	20.1	14.8
-57.5°	251.7	194.6	154.0	117.4	89.1	66.3	47.7	32.9	23.1	17.7	14.4
-60°	195.6	154.8	118.9	93.7	71.8	52.5	37.0	25.5	20.1	15.5	14.0
-62.5°	149.8	117.0	94.4	73.6	55.3	39.6	27.1	21.8	16.9	14.9	13.5
-65°	112.5	91.1	71.5	54.7	39.5	28.2	22.7	18.0	15.7	14.3	12.9
-67.5°	81.9	65.5	49.9	35.7	28.2	22.9	18.1	16.3	15.0	13.7	12.4
-70°	54.4	40.5	32.1	26.6	21.6	17.8	16.6	15.5	14.3	13.1	11.9
-72.5°	33.8	28.1	23.1	19.0	17.6	16.5	15.6	14.7	13.6	12.4	11.3
-75°	21.3	19.4	18.0	16.8	15.8	15.0	14.5	13.9	12.8	11.8	11.1
-77.5°	17.2	16.1	15.2	14.8	14.4	14.0	13.5	13.0	12.1	11.5	11.0
-80°	14.0	13.7	13.6	13.5	13.2	12.9	12.6	12.2	11.6	11.2	10.9
-82.5°	11.5	11.7	12.0	12.3	12.1	11.8	11.6	11.3	11.0	10.8	10.6
-85°	9.9	10.3	10.7	11.1	11.0	10.8	10.6	10.5	10.3	10.1	9.9
-87.5°	8.5	8.9	9.4	9.9	9.8	9.7	9.6	9.5	9.4	9.4	9.3
-90°	6.5	6.5	6.5	6.5	7.0	7.6	8.1	8.6	8.6	8.6	8.6



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
70°	8.7	8.6	8.6	8.6	8.6	8.6	8.6
67.5°	9.2	8.6	8.6	8.6	8.6	8.6	8.6
65°	9.7	8.8	8.6	8.6	8.6	8.6	8.6
62.5°	10.2	9.2	8.6	8.6	8.6	8.6	8.6
60°	10.7	9.7	8.6	8.6	8.6	8.6	8.6
57.5°	10.8	10.1	8.9	8.6	8.6	8.6	8.6
55°	10.8	10.5	9.2	8.6	8.6	8.6	8.6
52.5°	10.8	10.8	9.5	8.6	8.6	8.6	8.6
50°	10.8	10.8	9.8	8.6	8.6	8.6	8.6
47.5°	10.8	10.8	10.1	8.7	8.6	8.6	8.6
45°	10.8	10.8	10.4	8.9	8.6	8.6	8.6
42.5°	10.8	10.8	10.7	9.1	8.6	8.6	8.6
40°	10.8	10.8	10.8	9.2	8.6	8.6	8.6
37.5°	10.8	10.8	10.8	9.4	8.6	8.6	8.6
35°	10.8	10.8	10.8	9.5	8.6	8.6	8.6
32.5°	10.9	10.8	10.8	9.5	8.6	8.6	8.6
30°	11.1	10.8	10.8	9.6	8.6	8.6	8.6
27.5°	11.3	10.8	10.7	9.6	8.6	8.6	8.6
25°	11.6	10.8	10.7	9.6	8.6	8.6	8.6
22.5°	11.8	10.8	10.6	9.6	8.6	8.6	8.6
20°	12.1	10.8	10.6	9.5	8.6	8.6	8.6
17.5°	12.3	10.8	10.6	9.5	8.6	8.6	8.6
15°	12.5	10.8	10.7	9.4	8.6	8.6	8.6
12.5°	12.6	10.8	10.7	9.3	8.6	8.6	8.6
10°	12.7	10.8	10.7	9.1	8.6	8.6	8.6
7.5°	12.8	10.8	10.7	9.0	8.6	8.6	8.6
5°	12.9	10.8	10.8	8.9	8.6	8.6	8.6
2.5°	12.9	10.8	10.8	8.7	8.6	8.6	8.6
0°	12.9	10.8	10.8	8.6	8.6	8.6	8.6
-2.5°	13.8	11.3	10.8	8.7	8.6	8.6	8.6
-5°	14.6	11.7	10.8	8.9	8.6	8.6	8.6
-7.5°	15.3	12.2	10.7	9.0	8.6	8.6	8.6
-10°	16.1	12.5	10.7	9.1	8.6	8.6	8.6
-12.5°	16.7	12.9	10.7	9.3	8.6	8.6	8.6
-15°	17.3	13.1	10.7	9.4	8.6	8.6	8.6
-17.5°	17.7	13.3	10.6	9.5	8.6	8.6	8.6
-20°	18.3	13.4	10.6	9.5	8.6	8.6	8.6



REPORT NUMBER: P701620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.9	13.4	10.6	9.6	8.6	8.6	8.6
-25°	19.3	13.3	10.7	9.6	8.6	8.6	8.6
-27.5°	19.3	13.2	10.7	9.6	8.6	8.6	8.6
-30°	19.0	12.9	10.8	9.6	8.6	8.6	8.6
-32.5°	18.3	12.6	10.9	9.5	8.6	8.6	8.6
-35°	17.7	12.2	11.0	9.5	8.6	8.6	8.6
-37.5°	17.2	11.9	11.1	9.4	8.6	8.6	8.6
-40°	16.5	12.0	11.1	9.2	8.6	8.6	8.6
-42.5°	15.7	12.1	11.1	9.1	8.6	8.6	8.6
-45°	14.7	12.1	10.9	8.9	8.6	8.6	8.6
-47.5°	13.7	12.0	10.6	8.8	8.6	8.6	8.6
-50°	13.4	12.0	10.4	8.8	8.6	8.6	8.6
-52.5°	13.2	11.9	10.2	8.8	8.6	8.6	8.6
-55°	13.0	11.6	9.9	8.9	8.6	8.6	8.6
-57.5°	12.8	11.3	9.7	8.9	8.6	8.6	8.6
-60°	12.4	10.9	9.4	8.9	8.6	8.6	8.6
-62.5°	12.0	10.6	9.5	9.0	8.6	8.6	8.6
-65°	11.6	10.2	9.5	9.0	8.6	8.6	8.6
-67.5°	11.1	10.0	9.5	9.0	8.6	8.6	8.6
-70°	10.7	10.1	9.6	9.1	8.6	8.6	8.6
-72.5°	10.7	10.1	9.6	9.0	8.6	8.6	8.6
-75°	10.7	10.2	9.6	9.0	8.6	8.6	8.6
-77.5°	10.7	10.2	9.5	8.9	8.6	8.6	8.6
-80°	10.8	10.0	9.3	8.9	8.6	8.6	8.6
-82.5°	10.3	9.7	9.2	8.8	8.6	8.6	8.6
-85°	9.7	9.3	9.0	8.7	8.6	8.6	8.6
-87.5°	9.2	9.0	8.8	8.7	8.6	8.6	8.6
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6

(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

