

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: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-5S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701476 (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-08-0640L-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

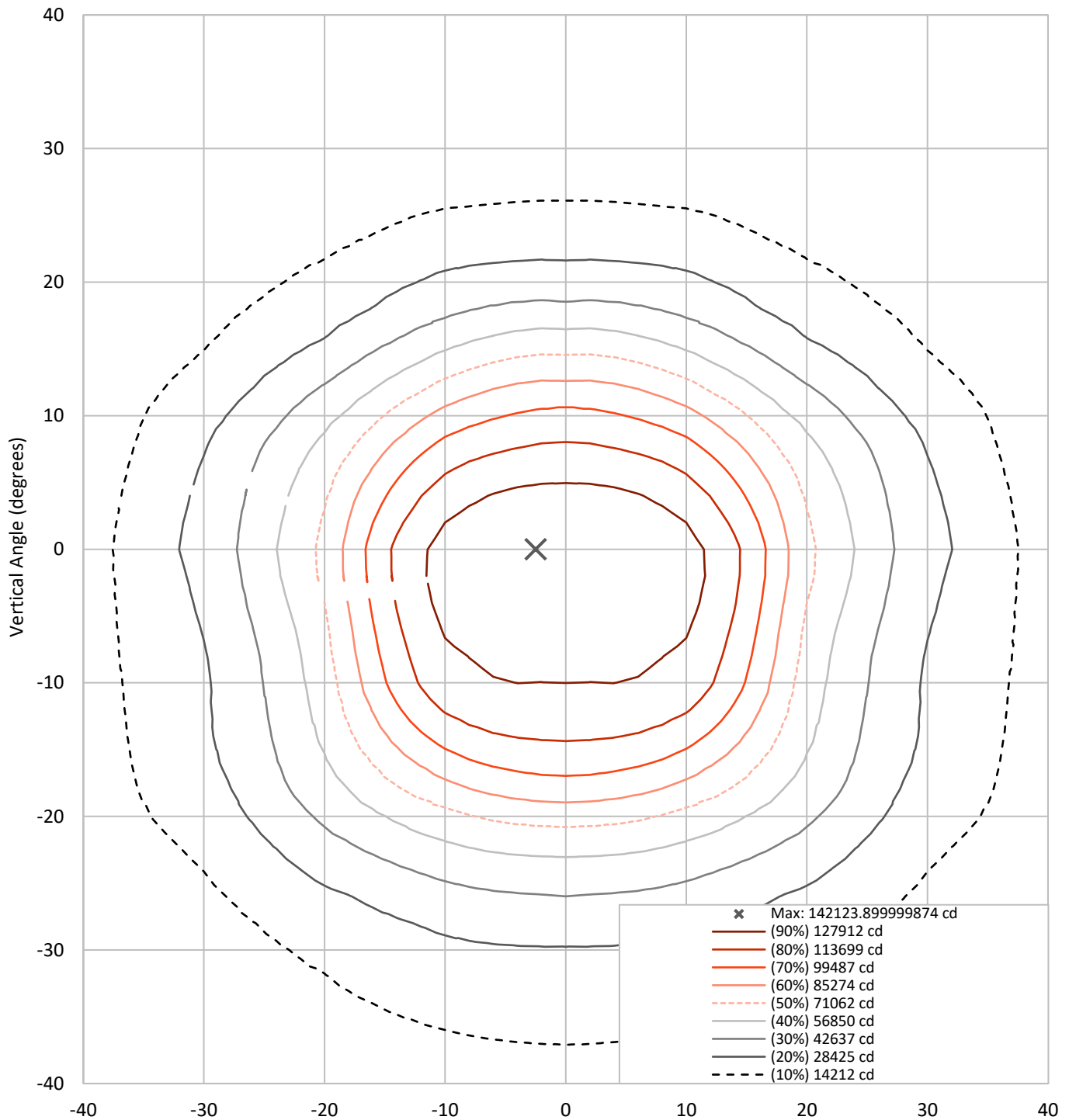
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	70142.1 lumens	Max Intensity:	142123.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	106.6 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:	38579.6 lumens	Field Lumens:	64258.2 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





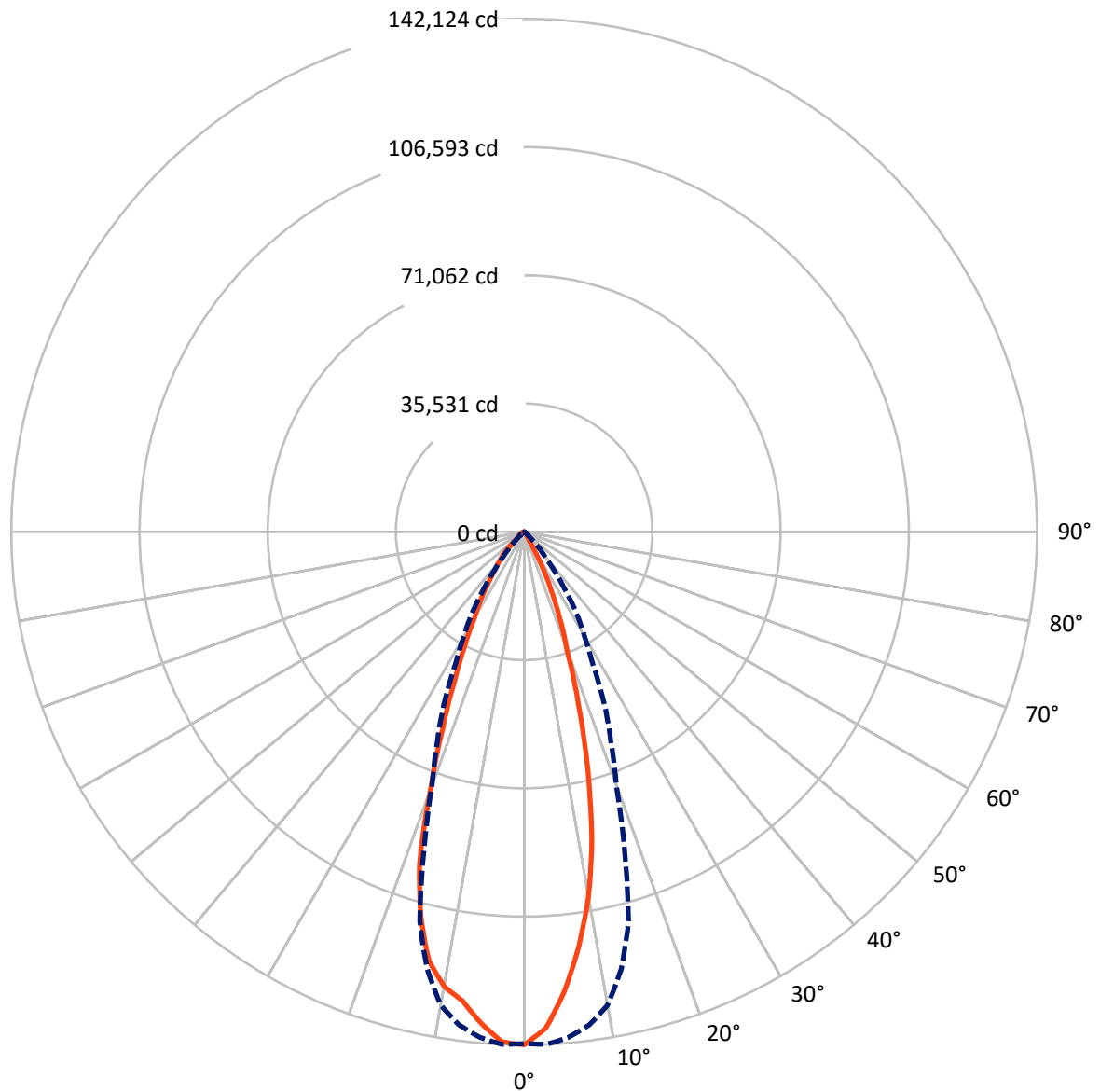
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Lumen Table

90	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2				
80	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2				
70	0.2	0.1	0.2	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.2	0.1	0.2
60		0.1	0.3	0.7	0.8	0.4	0.5	0.5	0.5	0.5	0.4	0.8	0.7	0.3	0.1	
50	0.2	0.2	0.3	0.6	0.8	1.2	1.8	2.1	2.1	1.8	1.2	0.8	0.6	0.3	0.2	0.2
40		0.2	0.9	2.1	5.7	15.8	27.3	34.8	34.8	27.3	15.8	5.7	2.1	0.9	0.2	
30	0.2	0.4	3.1	10.7	62.2	179.1	363.9	525.5	525.5	363.9	179.1	62.2	10.7	3.1	0.4	0.2
20		0.8	6.6	34.9	221.5	649.2	1330.6	1965.8	1965.8	1330.6	649.2	221.5	34.9	6.6	0.8	
10	0.3	1.5	11.3	76.0	455.7	1301.7	2725.4	3719.7	3719.7	2725.4	1301.7	455.7	76.0	11.3	1.5	0.3
0		2.6	15.3	91.9	477.2	1332.9	3058.6	4076.7	4076.7	3058.6	1332.9	477.2	91.9	15.3	2.6	
-10	0.4	3.0	15.8	73.8	405.1	1097.4	2311.0	3182.5	3182.5	2311.0	1097.4	405.1	73.8	15.8	3.0	0.4
-20		2.6	12.9	34.6	203.2	587.3	1079.9	1418.0	1418.0	1079.9	587.3	203.2	34.6	12.9	2.6	
-30	0.4	2.0	8.9	20.2	59.4	221.2	407.1	531.1	531.1	407.1	221.2	59.4	20.2	8.9	2.0	0.4
-40		1.2	5.4	14.2	26.2	49.1	110.6	166.9	166.9	110.6	49.1	26.2	14.2	5.4	1.2	
-50	0.2	0.6	2.7	8.0	16.7	27.5	37.7	43.7	43.7	37.7	27.5	16.7	8.0	2.7	0.6	0.2
-60		0.3	1.0	3.1	6.9	12.2	18.4	21.9	21.9	18.4	12.2	6.9	3.1	1.0	0.3	
-70	0.2	0.6	2.7	8.0	16.7	27.5	37.7	43.7	43.7	37.7	27.5	16.7	8.0	2.7	0.6	0.2
-80		0.3	1.0	3.1	6.9	12.2	18.4	21.9	21.9	18.4	12.2	6.9	3.1	1.0	0.3	
-90	0.2	0.8	2.5	6.6	9.3	6.6	2.5	0.8	0.2							

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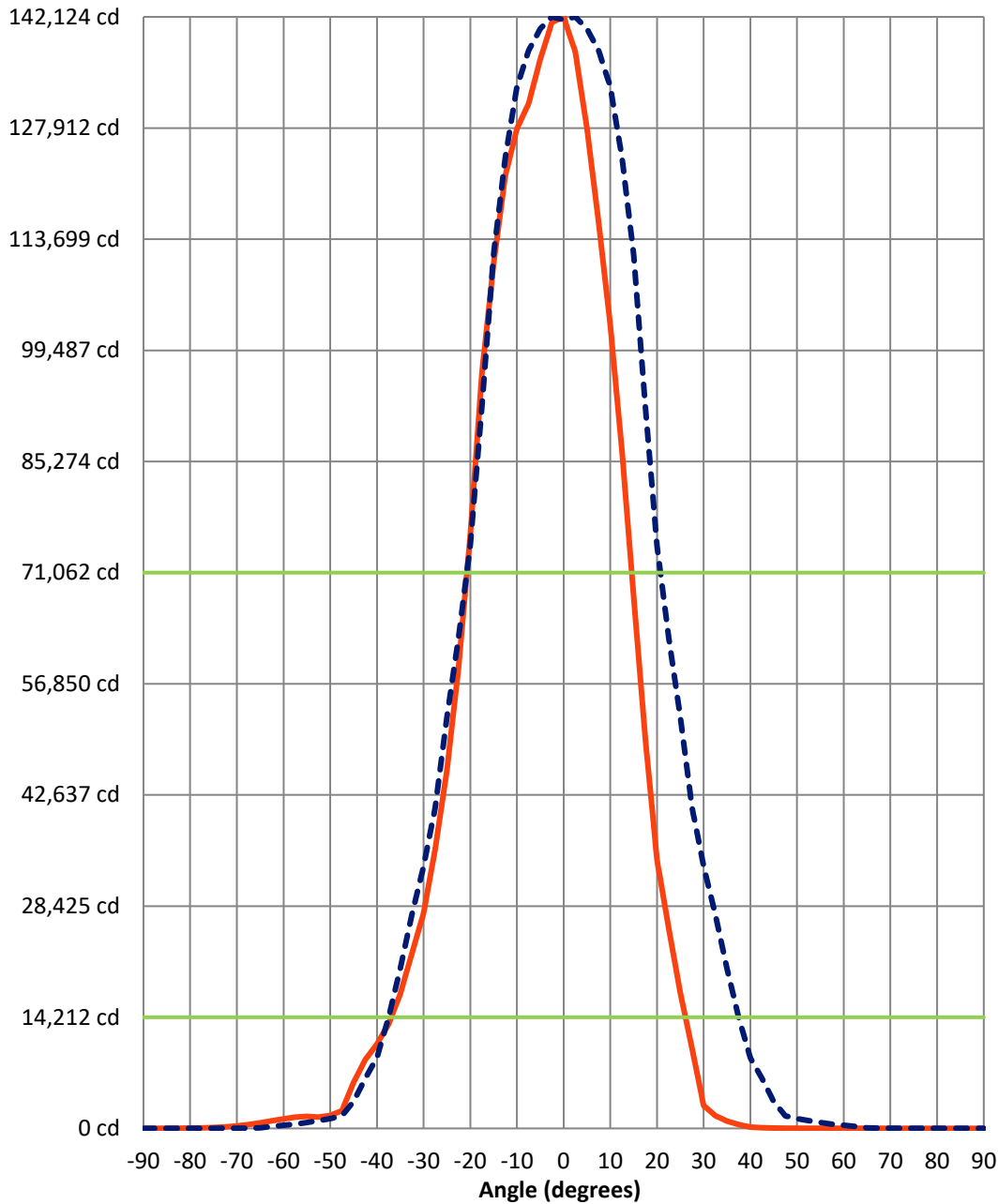
Luminous Intensity Polar Plot



— 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: 38579.6
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 64258.2
 Efficiency: 91.6%

Spill:
 Lumens: 5883.9
 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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.4
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.7	8.8	8.5
70°	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.9	9.2	9.1	9.2
67.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.9	9.5	9.7	9.6	9.9
65°	8.3	8.3	8.3	8.3	8.3	8.5	9.4	10.0	9.9	10.1	10.4
62.5°	8.3	8.3	8.3	8.3	8.3	8.9	9.9	10.3	10.2	10.4	10.4
60°	8.3	8.3	8.3	8.3	8.3	9.3	10.3	10.4	10.4	10.4	10.4
57.5°	8.3	8.3	8.3	8.3	8.6	9.7	10.4	10.4	10.4	10.4	10.4
55°	8.3	8.3	8.3	8.3	8.9	10.1	10.4	10.4	10.4	10.4	10.4
52.5°	8.3	8.3	8.3	8.3	9.2	10.4	10.4	10.4	10.4	10.4	10.4
50°	8.3	8.3	8.3	8.3	9.5	10.4	10.4	10.4	10.4	10.4	11.0
47.5°	8.3	8.3	8.3	8.3	9.8	10.4	10.4	10.4	10.4	10.4	11.7
45°	8.3	8.3	8.3	8.5	10.0	10.4	10.4	10.4	10.5	11.0	12.3
42.5°	8.3	8.3	8.3	8.7	10.3	10.4	10.4	10.5	10.6	11.5	13.0
40°	8.3	8.3	8.3	8.9	10.4	10.4	10.4	10.6	10.9	12.1	13.6
37.5°	8.3	8.3	8.3	9.0	10.4	10.4	10.4	10.8	11.5	12.7	14.2
35°	8.3	8.3	8.3	9.1	10.4	10.4	10.4	11.1	12.1	13.5	14.7
32.5°	8.3	8.3	8.3	9.2	10.4	10.4	10.5	11.3	12.6	14.3	15.8
30°	8.3	8.3	8.3	9.2	10.4	10.4	10.7	11.7	13.2	15.1	17.0
27.5°	8.3	8.3	8.3	9.3	10.3	10.4	10.9	12.1	13.8	16.0	18.3
25°	8.3	8.3	8.3	9.3	10.3	10.4	11.1	12.6	14.5	17.1	19.9
22.5°	8.3	8.3	8.3	9.2	10.3	10.4	11.4	13.0	15.2	18.3	23.4
20°	8.3	8.3	8.3	9.2	10.2	10.4	11.6	13.4	15.9	19.5	27.0
17.5°	8.3	8.3	8.3	9.1	10.2	10.4	11.8	13.7	16.6	20.8	30.6
15°	8.3	8.3	8.3	9.0	10.3	10.4	12.0	14.0	17.3	22.1	34.2
12.5°	8.3	8.3	8.3	8.9	10.3	10.4	12.1	14.1	18.0	23.4	37.7
10°	8.3	8.3	8.3	8.8	10.3	10.4	12.2	14.3	18.6	25.3	42.4
7.5°	8.3	8.3	8.3	8.7	10.3	10.4	12.3	14.4	19.2	27.3	50.0
5°	8.3	8.3	8.3	8.6	10.4	10.4	12.4	14.4	19.8	29.4	57.8
2.5°	8.3	8.3	8.3	8.4	10.4	10.4	12.4	14.5	20.3	31.3	65.4
0°	8.3	8.3	8.3	8.3	10.4	10.4	12.4	14.5	20.7	33.1	72.5
-2.5°	8.3	8.3	8.3	8.4	10.4	10.9	13.2	16.4	26.3	45.4	93.7
-5°	8.3	8.3	8.3	8.6	10.4	11.3	14.0	18.3	31.6	57.1	113.7
-7.5°	8.3	8.3	8.3	8.7	10.3	11.7	14.7	20.0	36.5	67.8	131.7
-10°	8.3	8.3	8.3	8.8	10.3	12.1	15.4	21.6	40.7	77.3	147.4
-12.5°	8.3	8.3	8.3	8.9	10.3	12.4	16.0	23.0	44.2	85.3	158.4
-15°	8.3	8.3	8.3	9.0	10.3	12.6	16.6	24.1	47.5	92.1	165.9
-17.5°	8.3	8.3	8.3	9.1	10.2	12.8	17.0	25.8	50.8	97.1	170.8
-20°	8.3	8.3	8.3	9.2	10.2	12.9	17.5	27.7	53.0	100.2	173.1



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 CATALOG NUMBER: EPH-LS-08-0640L-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°	8.3	8.3	8.3	9.2	10.3	12.8	18.2	29.0	53.8	101.1	172.6
-25°	8.3	8.3	8.3	9.3	10.3	12.8	18.5	29.7	53.3	99.8	169.1
-27.5°	8.3	8.3	8.3	9.3	10.3	12.7	18.5	29.7	51.2	97.2	167.1
-30°	8.3	8.3	8.3	9.2	10.4	12.4	18.2	29.1	50.0	94.8	162.2
-32.5°	8.3	8.3	8.3	9.2	10.5	12.1	17.6	28.6	49.3	90.2	154.0
-35°	8.3	8.3	8.3	9.1	10.6	11.7	17.0	27.9	47.6	83.5	142.6
-37.5°	8.3	8.3	8.3	9.0	10.7	11.5	16.5	26.6	44.8	74.5	125.8
-40°	8.3	8.3	8.3	8.9	10.7	11.6	15.9	24.7	41.0	68.6	110.2
-42.5°	8.3	8.3	8.3	8.8	10.6	11.6	15.1	22.3	37.6	61.6	93.8
-45°	8.3	8.3	8.3	8.6	10.4	11.6	14.2	20.1	34.1	53.7	77.9
-47.5°	8.3	8.3	8.3	8.5	10.2	11.6	13.1	18.9	29.9	45.4	68.4
-50°	8.3	8.3	8.3	8.5	10.0	11.5	12.9	17.4	24.7	39.4	58.4
-52.5°	8.3	8.3	8.3	8.5	9.8	11.4	12.7	15.8	21.6	32.9	48.1
-55°	8.3	8.3	8.3	8.5	9.6	11.2	12.5	14.2	19.4	26.0	40.2
-57.5°	8.3	8.3	8.3	8.6	9.3	10.8	12.3	13.9	17.0	22.2	31.6
-60°	8.3	8.3	8.3	8.6	9.1	10.5	12.0	13.4	14.9	19.3	24.5
-62.5°	8.3	8.3	8.3	8.6	9.1	10.2	11.6	12.9	14.3	16.3	21.0
-65°	8.3	8.3	8.3	8.7	9.2	9.8	11.1	12.4	13.8	15.1	17.3
-67.5°	8.3	8.3	8.3	8.7	9.2	9.7	10.7	11.9	13.2	14.4	15.7
-70°	8.3	8.3	8.3	8.7	9.2	9.7	10.3	11.4	12.6	13.7	14.9
-72.5°	8.3	8.3	8.3	8.7	9.3	9.8	10.3	10.9	12.0	13.0	14.1
-75°	8.3	8.3	8.3	8.7	9.3	9.8	10.3	10.7	11.3	12.3	13.3
-77.5°	8.3	8.3	8.3	8.6	9.2	9.8	10.3	10.6	11.0	11.7	12.5
-80°	8.3	8.3	8.3	8.6	9.0	9.6	10.4	10.5	10.7	11.2	11.7
-82.5°	8.3	8.3	8.3	8.5	8.8	9.3	9.9	10.2	10.4	10.6	10.9
-85°	8.3	8.3	8.3	8.4	8.7	9.0	9.4	9.6	9.7	9.9	10.1
-87.5°	8.3	8.3	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.3	8.3	8.3	8.3	7.8	7.3	6.7	6.2	6.2	6.2	6.2
87.5°	8.0	7.8	7.6	7.4	7.2	6.9	6.6	6.2	5.7	5.2	4.6
85°	8.3	8.3	8.3	8.3	7.8	7.3	6.7	6.2	5.9	5.7	5.6
82.5°	8.3	8.3	8.3	8.3	7.8	7.3	6.8	6.3	6.2	6.2	6.2
80°	8.3	8.3	8.3	8.3	7.9	7.3	6.8	6.3	6.2	6.3	6.3
77.5°	8.3	8.3	8.3	8.3	7.9	7.6	7.4	7.4	7.4	7.2	6.8
75°	8.3	8.3	8.4	8.4	8.2	8.2	8.3	8.3	8.0	7.5	6.9
72.5°	8.6	8.9	8.9	8.6	8.3	8.3	8.3	8.3	8.5	8.6	8.5
70°	9.5	9.6	9.2	8.6	8.3	8.5	9.4	10.5	11.5	11.4	11.3
67.5°	10.3	9.8	9.2	8.9	9.1	10.1	11.4	13.1	14.6	14.7	15.2
65°	10.3	9.8	9.6	9.8	10.3	12.1	14.0	15.8	20.2	23.0	24.3
62.5°	10.4	10.1	10.2	10.9	12.5	14.5	17.3	22.3	29.2	32.9	31.9
60°	10.4	10.3	11.1	12.6	14.4	16.4	20.9	27.8	36.9	43.4	39.6
57.5°	10.4	10.9	12.3	13.9	15.4	17.2	23.3	31.9	42.5	54.0	46.9
55°	10.7	11.8	13.3	14.9	16.4	17.8	24.2	34.0	46.0	53.0	46.1
52.5°	11.5	12.6	14.1	15.7	17.3	18.8	23.6	33.1	40.2	45.6	42.3
50°	12.2	13.4	14.9	16.5	18.3	20.1	20.9	28.6	34.3	36.8	36.6
47.5°	13.0	14.3	15.6	17.5	19.8	21.3	21.2	25.1	29.3	32.0	29.8
45°	13.7	15.1	16.5	19.1	21.5	22.9	24.1	23.2	29.9	31.7	30.4
42.5°	14.4	15.9	18.3	20.7	23.8	27.2	29.2	31.5	34.9	38.1	37.3
40°	15.1	16.7	20.8	25.6	27.9	34.2	40.4	44.2	45.5	48.4	48.5
37.5°	15.8	19.2	25.6	35.9	36.0	45.4	54.2	63.0	65.6	60.8	68.9
35°	16.4	22.1	38.8	51.1	53.1	60.3	74.9	88.3	96.3	91.7	99.2
32.5°	18.3	25.3	55.9	68.8	81.7	88.2	98.6	127.5	155.3	163.7	149.0
30°	21.5	41.0	75.4	88.3	118.6	138.6	144.8	183.7	241.9	292.7	393.0
27.5°	25.6	60.2	93.7	121.1	164.7	200.6	216.3	279.9	379.4	513.5	802.2
25°	29.9	80.4	113.0	162.7	225.1	266.8	292.5	382.2	549.1	977.5	1516.8
22.5°	40.5	100.9	137.4	209.2	293.2	329.4	383.6	506.0	786.0	1498.0	2392.7
20°	56.9	120.3	172.3	255.0	366.2	389.2	467.7	624.6	1110.3	2188.7	3263.6
17.5°	73.1	142.2	210.5	309.2	422.4	468.7	549.2	732.8	1382.4	3054.3	4394.2
15°	88.7	166.0	246.4	364.0	488.0	579.5	702.7	976.1	1902.3	4079.2	5891.0
12.5°	103.6	191.0	280.1	418.7	564.0	697.1	878.8	1372.8	2829.7	5276.4	7980.9
10°	117.5	216.4	311.3	472.1	647.2	818.8	1061.1	1806.8	3767.0	6318.4	9635.6
7.5°	149.6	255.2	346.3	523.0	734.3	941.9	1245.2	2258.4	4612.9	7200.2	11018.3
5°	185.3	307.6	413.1	603.0	826.0	1057.9	1413.9	2705.8	5354.6	7926.5	12263.7
2.5°	220.2	358.2	478.2	682.5	913.9	1158.7	1518.3	3095.7	5936.5	8541.1	13338.5
0°	252.7	406.0	540.6	756.0	994.2	1251.0	1607.2	3436.1	6379.2	9038.6	14185.5
-2.5°	292.5	457.2	609.8	826.0	1021.2	1253.7	1608.6	3310.4	6475.5	9508.7	13867.7
-5°	326.8	503.8	673.9	889.6	1045.2	1249.9	1595.7	3118.4	6422.4	9760.5	13611.6
-7.5°	354.5	545.3	731.8	940.3	1067.3	1262.8	1626.8	3160.7	6333.9	9760.5	13451.0
-10°	370.5	557.2	732.2	937.5	1081.7	1279.1	1648.1	3086.0	6064.0	9558.3	13124.4
-12.5°	356.2	542.5	717.1	925.3	1090.7	1282.4	1641.2	2874.7	5608.9	9146.3	12716.7
-15°	339.2	524.8	695.6	902.7	1094.0	1271.3	1602.9	2512.6	4863.2	8258.9	12225.1
-17.5°	320.4	504.7	667.5	869.0	1091.3	1244.4	1509.7	1939.8	3897.9	7019.1	11096.9
-20°	300.3	482.4	632.6	823.6	1076.3	1182.8	1368.0	1720.8	3075.4	5629.1	9323.0



REPORT NUMBER: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-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°	279.6	458.2	596.3	778.8	989.3	1108.4	1235.7	1489.7	2174.4	4066.8	7029.7
-25°	267.9	427.7	564.7	719.6	900.1	1038.9	1102.5	1262.5	1605.2	2985.4	5132.1
-27.5°	262.5	398.6	525.6	658.8	818.7	966.2	1012.8	1116.3	1372.4	1925.9	3467.0
-30°	253.4	359.2	482.7	600.5	747.4	878.9	947.1	1012.7	1176.2	1475.4	2329.0
-32.5°	233.3	319.1	436.5	550.4	677.2	804.6	907.3	970.2	1073.1	1229.3	1512.5
-35°	208.5	289.5	389.5	496.1	607.8	735.8	851.6	943.6	993.5	1101.2	1290.7
-37.5°	186.0	257.4	342.3	441.4	545.4	664.0	791.3	891.8	965.0	1016.5	1152.4
-40°	162.1	222.9	302.1	390.0	483.7	592.0	709.3	826.0	918.7	995.8	1056.1
-42.5°	137.8	195.2	262.0	339.5	428.2	523.1	623.8	738.3	853.4	953.6	1029.8
-45°	118.9	166.4	221.4	295.5	373.7	456.6	547.8	642.6	766.1	879.8	974.5
-47.5°	99.2	138.7	189.2	250.7	322.4	396.2	473.1	568.0	670.6	782.8	891.0
-50°	81.2	116.5	156.9	212.4	273.8	339.0	407.4	494.1	588.7	684.3	783.3
-52.5°	69.3	93.7	131.1	174.6	228.8	287.0	350.1	424.1	507.9	595.4	683.1
-55°	56.8	78.0	105.7	142.4	184.9	237.1	296.4	360.7	426.5	506.2	584.9
-57.5°	45.9	63.9	85.8	113.0	148.2	187.2	242.3	299.5	359.9	421.5	487.1
-60°	35.6	50.5	69.1	90.2	114.4	148.9	188.3	237.7	291.4	345.5	400.7
-62.5°	26.0	38.1	53.2	70.8	90.8	112.5	144.2	181.5	221.7	266.8	313.1
-65°	21.9	27.2	38.0	52.7	68.7	87.6	108.3	130.4	163.0	195.2	227.3
-67.5°	17.5	22.0	27.1	34.3	48.0	63.0	78.8	97.5	117.2	135.2	156.2
-70°	16.0	17.1	20.8	25.5	30.9	39.0	52.3	66.3	80.4	94.0	109.2
-72.5°	15.0	15.8	16.9	18.2	22.2	27.1	32.5	38.5	47.6	58.3	69.1
-75°	14.0	14.4	15.2	16.1	17.3	18.6	20.5	24.9	29.6	34.3	38.8
-77.5°	13.0	13.4	13.8	14.2	14.6	15.5	16.5	17.7	19.2	21.1	23.2
-80°	12.1	12.4	12.7	13.0	13.1	13.2	13.4	13.8	14.3	15.0	16.0
-82.5°	11.2	11.4	11.6	11.8	11.6	11.3	11.0	10.9	11.3	11.6	11.9
-85°	10.2	10.4	10.5	10.7	10.3	10.0	9.6	9.2	9.3	9.4	9.5
-87.5°	9.3	9.3	9.4	9.5	9.1	8.6	8.1	7.7	7.7	7.8	7.9
-90°	7.8	7.3	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6



REPORT NUMBER: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.2	6.2	6.2	6.2	6.2	6.7	7.3	7.8	8.3	9.3	10.3
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.1
85°	5.4	5.2	4.9	4.5	4.1	4.1	4.1	4.1	4.1	3.6	3.1
82.5°	6.2	5.7	5.2	4.7	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.2	5.9	5.7	5.5	5.4	5.2	4.9	4.6	4.1	3.6	3.1
77.5°	6.3	6.2	6.2	6.2	6.2	5.8	5.2	4.7	4.2	3.7	3.1
75°	6.4	6.3	6.4	6.4	6.3	6.0	5.9	5.8	5.8	5.5	5.0
72.5°	8.1	7.8	7.6	7.5	7.2	7.0	6.9	6.7	6.3	6.1	6.1
70°	11.1	10.9	10.6	10.3	9.9	9.5	9.2	8.7	8.0	7.9	8.0
67.5°	16.3	16.6	16.4	15.7	14.1	12.6	11.9	11.1	10.2	10.2	10.8
65°	23.9	20.9	18.9	17.3	15.9	14.7	14.0	13.2	12.3	12.5	14.3
62.5°	28.4	22.2	18.9	17.7	17.0	16.4	15.2	14.4	14.0	14.4	15.8
60°	33.0	23.9	17.8	16.7	15.7	14.6	14.5	14.5	14.5	14.7	15.4
57.5°	35.4	24.5	16.5	15.9	15.3	14.7	14.7	14.9	14.8	14.6	15.2
55°	34.6	24.7	17.0	16.2	16.1	16.3	16.3	15.4	14.9	14.5	15.1
52.5°	31.5	23.8	18.2	16.7	16.7	15.9	14.6	15.3	16.2	16.9	17.6
50°	28.1	22.4	19.5	18.1	18.1	18.3	18.2	19.3	20.4	21.0	21.9
47.5°	25.8	22.4	22.3	21.9	22.5	23.6	24.1	25.3	28.4	30.0	30.7
45°	26.0	27.5	28.7	29.7	29.6	35.5	39.7	42.0	44.7	47.3	49.4
42.5°	35.1	39.1	42.7	48.1	51.4	61.1	66.2	59.8	73.1	84.5	87.2
40°	53.7	59.5	72.3	86.5	103.5	110.8	145.3	146.9	161.9	199.3	211.4
37.5°	81.7	98.3	142.6	180.1	239.6	275.0	318.8	360.9	394.7	429.4	453.2
35°	127.3	212.0	278.8	395.7	475.7	516.1	568.2	630.4	656.8	766.0	849.4
32.5°	272.2	424.2	605.4	698.9	803.8	884.0	872.8	1131.4	1231.1	1395.3	1528.7
30°	503.0	866.3	1352.7	1352.8	1334.0	1776.3	1938.2	2272.3	2614.8	2843.0	3388.6
27.5°	1162.8	1933.6	2704.2	2719.8	3053.6	3977.3	4503.3	4661.4	6147.7	7102.1	8404.0
25°	2142.7	3411.4	4474.4	4969.1	5960.6	7465.5	8356.4	9418.8	11637.0	14164.6	15760.3
22.5°	3191.2	4543.3	6140.6	7267.1	9167.4	11103.3	12723.5	15067.6	18049.0	20869.4	22777.6
20°	3980.4	5568.9	7825.0	10191.1	12598.5	15025.5	17542.2	20763.2	24799.0	28233.4	31337.6
17.5°	5589.7	7269.2	10322.6	13540.9	16808.3	19401.2	23375.7	27238.7	32155.6	37139.3	40999.5
15°	7971.0	10678.1	13733.0	17907.7	22503.3	26471.0	30685.2	37464.5	43446.1	49851.5	55574.6
12.5°	11026.7	14614.6	18662.9	23464.0	29487.2	35713.9	42141.0	49296.7	57120.3	64814.3	72981.7
10°	13879.9	18811.0	24037.8	29945.2	36837.9	44701.3	52554.1	60662.0	71533.6	81386.9	90120.7
7.5°	15849.8	21657.4	28072.6	35293.1	43800.8	52164.3	61034.8	72058.9	84759.7	95932.7	104883.2
5°	17618.8	24199.8	30605.3	37904.7	47796.0	57355.5	67836.6	81254.5	95712.5	107965.1	116885.2
2.5°	19158.9	26240.8	32461.5	39815.1	50675.1	60621.2	72066.3	88057.4	104900.5	117173.3	126585.1
0°	20425.9	27337.4	33511.6	41085.9	52568.5	62812.5	74554.0	92337.1	111725.3	124123.3	133170.2
-2.5°	19199.3	25469.2	31563.6	39235.4	50806.7	61298.1	73988.5	92077.1	111104.4	124476.5	133817.7
-5°	18272.8	23998.5	29783.9	37375.2	47552.7	57280.8	69189.2	87792.0	107818.9	121330.3	130782.2
-7.5°	17554.8	22551.7	27811.9	34801.9	44112.2	54428.3	67196.5	85145.1	104069.2	117734.3	126298.7
-10°	16772.0	21064.8	26797.5	33842.9	42896.6	52731.3	64074.3	80677.6	99798.4	112946.3	122977.2
-12.5°	16533.6	21066.3	26840.6	32958.0	41285.8	50730.3	61544.7	75687.2	90343.1	104130.1	112926.7
-15°	16149.1	20748.8	26400.0	32153.6	39703.5	48799.6	57827.2	68278.7	80528.5	90490.5	99679.8
-17.5°	15395.2	19815.3	24062.3	29438.5	36786.7	45219.2	52059.7	60279.0	69117.0	76713.5	83644.9
-20°	13590.4	16596.3	20621.6	25691.4	31988.6	38816.8	45044.9	50975.1	56654.7	62441.9	66451.0



REPORT NUMBER: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10399.2	13285.7	16660.6	20871.9	25863.9	31814.6	37318.6	41335.0	45852.8	50020.0	53446.2
-25°	7604.8	9719.7	12869.7	16463.2	19720.9	24487.1	28710.9	31423.5	35389.1	38504.3	41470.0
-27.5°	5499.5	7570.7	10139.4	12978.8	15421.4	17981.9	21710.5	24300.7	27419.8	29808.5	32282.1
-30°	3753.6	6034.5	8401.8	10724.4	12582.7	14517.1	16583.3	19138.3	21642.2	23649.1	25436.2
-32.5°	2603.5	4256.2	6569.7	8733.7	10413.2	11888.1	13245.8	15186.8	17060.5	18694.0	20033.4
-35°	1595.0	2767.2	4369.4	6430.1	8205.5	9622.9	10875.0	12111.3	13310.0	14539.1	15574.5
-37.5°	1349.5	1629.2	2627.6	4046.5	5737.8	7315.2	8541.8	9562.6	10467.4	11402.7	12139.1
-40°	1192.6	1359.9	1610.5	2129.5	3430.4	4741.7	6064.2	7162.9	8157.9	8987.3	9632.1
-42.5°	1089.1	1201.1	1323.0	1526.6	1767.7	2410.5	3547.9	4656.7	5736.1	6641.2	7399.9
-45°	1057.0	1113.2	1179.1	1288.1	1387.9	1583.5	1794.6	2013.3	2871.5	3782.0	4584.3
-47.5°	983.9	1073.9	1133.7	1180.6	1236.2	1324.6	1405.7	1509.0	1706.2	1901.7	2061.4
-50°	886.9	985.3	1068.0	1148.2	1204.9	1243.5	1273.0	1326.5	1405.1	1481.5	1543.2
-52.5°	769.5	865.0	961.2	1058.6	1139.1	1213.6	1283.5	1331.9	1368.6	1399.8	1415.8
-55°	662.7	742.5	822.9	921.0	1018.2	1111.6	1201.2	1277.7	1348.9	1415.5	1453.2
-57.5°	558.5	627.2	698.9	786.5	872.9	957.7	1044.6	1132.8	1219.1	1299.6	1346.2
-60°	459.1	520.1	585.0	655.7	730.7	809.0	883.9	958.6	1032.7	1098.4	1136.9
-62.5°	361.7	413.1	465.9	521.8	580.8	642.5	704.6	767.5	830.2	882.9	915.5
-65°	262.7	304.6	344.9	385.8	427.2	474.0	523.2	571.1	617.4	653.6	677.3
-67.5°	183.7	210.8	235.5	259.6	288.9	322.2	357.5	392.0	425.1	450.1	466.9
-70°	124.7	139.8	153.4	169.1	188.3	208.2	228.9	248.9	267.9	282.4	293.6
-72.5°	79.7	89.7	99.3	110.1	120.4	131.9	143.8	155.1	165.8	173.2	179.1
-75°	43.1	48.4	56.3	63.7	70.6	78.8	87.3	95.3	102.8	106.7	109.4
-77.5°	26.4	30.0	33.4	36.6	39.7	44.1	49.1	54.1	59.1	61.4	63.0
-80°	17.3	18.9	20.7	22.4	24.2	26.9	29.7	32.4	35.1	36.0	36.5
-82.5°	12.3	12.8	13.4	14.1	14.8	16.5	18.3	20.1	21.9	23.2	24.4
-85°	9.6	9.7	9.8	9.9	10.0	10.9	11.9	13.0	14.1	14.7	15.4
-87.5°	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.8	9.4
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.1



REPORT NUMBER: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-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°	11.4	12.4	11.4	10.4	11.4	12.4	11.4	10.3	9.3	8.3	7.8
87.5°	2.6	2.1	1.1	0.0	1.1	2.1	2.6	3.1	3.6	4.1	4.1
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.6
77.5°	2.6	2.1	3.1	4.1	3.1	2.1	2.6	3.1	3.7	4.2	4.7
75°	4.6	4.1	4.1	4.1	4.1	4.1	4.6	5.0	5.5	5.8	5.8
72.5°	6.1	6.1	6.2	6.2	6.2	6.1	6.1	6.1	6.1	6.3	6.7
70°	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.0	7.9	8.0	8.7
67.5°	11.5	12.2	12.4	12.4	12.4	12.2	11.5	10.8	10.2	10.2	11.1
65°	16.1	18.0	17.6	16.6	17.6	18.0	16.1	14.3	12.5	12.3	13.2
62.5°	17.1	18.3	18.6	18.6	18.6	18.3	17.1	15.8	14.4	14.0	14.4
60°	16.0	16.5	16.6	16.6	16.6	16.5	16.0	15.4	14.7	14.5	14.5
57.5°	15.8	16.4	16.6	16.6	16.6	16.4	15.8	15.2	14.6	14.8	14.9
55°	15.7	16.4	16.6	16.6	16.6	16.4	15.7	15.1	14.5	14.9	15.4
52.5°	18.2	18.4	18.6	18.6	18.6	18.4	18.2	17.6	16.9	16.2	15.3
50°	23.0	24.1	23.4	20.7	23.4	24.1	23.0	21.9	21.0	20.4	19.3
47.5°	30.7	29.7	28.9	29.0	28.9	29.7	30.7	30.7	30.0	28.4	25.3
45°	50.0	49.6	49.2	49.7	49.2	49.6	50.0	49.4	47.3	44.7	42.0
42.5°	90.2	90.5	89.1	87.0	89.1	90.5	90.2	87.2	84.5	73.1	59.8
40°	210.8	193.2	169.3	155.3	169.3	193.2	210.8	211.4	199.3	161.9	146.9
37.5°	474.8	488.6	489.9	480.5	489.9	488.6	474.8	453.2	429.4	394.7	360.9
35°	902.2	934.5	936.2	919.6	936.2	934.5	902.2	849.4	766.0	656.8	630.4
32.5°	1526.6	1599.3	1626.6	1619.7	1626.6	1599.3	1526.6	1528.7	1395.3	1231.1	1131.4
30°	3134.9	3156.7	2933.5	2524.8	2933.5	3156.7	3134.9	3388.6	2843.0	2614.8	2272.3
27.5°	9110.3	9951.2	10256.2	10121.8	10256.2	9951.2	9110.3	8404.0	7102.1	6147.7	4661.4
25°	16218.5	16772.5	17325.5	17389.6	17325.5	16772.5	16218.5	15760.3	14164.6	11637.0	9418.8
22.5°	24099.3	24886.6	25633.9	25463.0	25633.9	24886.6	24099.3	22777.6	20869.4	18049.0	15067.6
20°	33309.1	33852.1	34403.6	33793.3	34403.6	33852.1	33309.1	31337.6	28233.4	24799.0	20763.2
17.5°	45042.9	47599.4	49869.0	48842.4	49869.0	47599.4	45042.9	40999.5	37139.3	32155.6	27238.7
15°	60963.2	65413.0	68022.8	67884.8	68022.8	65413.0	60963.2	55574.6	49851.5	43446.1	37464.5
12.5°	79309.2	83959.3	86622.8	86071.8	86622.8	83959.3	79309.2	72981.7	64814.3	57120.3	49296.7
10°	95861.3	99512.9	102677.4	103917.0	102677.4	99512.9	95861.3	90120.7	81386.9	71533.6	60662.0
7.5°	110480.9	113201.6	115841.2	116313.0	115841.2	113201.6	110480.9	104883.2	95932.7	84759.7	72058.9
5°	122515.8	126370.3	127862.5	128454.2	127862.5	126370.3	122515.8	116885.2	107965.1	95712.5	81254.5
2.5°	132228.8	135754.8	137621.2	137070.3	137621.2	135754.8	132228.8	126585.1	117173.3	104900.5	88057.4
0°	137808.6	140599.5	142123.9	141759.4	142123.9	140599.5	137808.6	133170.2	124123.3	111725.3	92337.1
-2.5°	138358.6	140235.3	141427.6	140959.9	141427.6	140235.3	138358.6	133817.7	124476.5	111104.4	92077.1
-5°	134553.5	136080.6	136707.2	136975.0	136707.2	136080.6	134553.5	130782.2	121330.3	107818.9	87792.0
-7.5°	129310.7	131362.1	131050.2	131589.9	131050.2	131362.1	129310.7	126298.7	117734.3	104069.2	85145.1
-10°	126188.1	128081.4	127807.2	127953.0	127807.2	128081.4	126188.1	122977.2	112946.3	99798.4	80677.6
-12.5°	118611.6	121360.5	121782.5	122256.1	121782.5	121360.5	118611.6	112926.7	104130.1	90343.1	75687.2
-15°	105711.3	108731.9	110558.3	110969.3	110558.3	108731.9	105711.3	99679.8	90490.5	80528.5	68278.7
-17.5°	89407.5	93584.9	96521.6	97204.3	96521.6	93584.9	89407.5	83644.9	76713.5	69117.0	60279.0
-20°	71347.0	74337.2	75858.9	76679.0	75858.9	74337.2	71347.0	66451.0	62441.9	56654.7	50975.1



REPORT NUMBER: P701476 (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°	56156.5	58131.3	58979.1	59117.5	58979.1	58131.3	56156.5	53446.2	50020.0	45852.8	41335.0
-25°	43871.7	45217.7	45794.7	46647.0	45794.7	45217.7	43871.7	41470.0	38504.3	35389.1	31423.5
-27.5°	34045.9	35229.5	35757.2	36541.7	35757.2	35229.5	34045.9	32282.1	29808.5	27419.8	24300.7
-30°	26641.6	27354.6	27532.6	27571.5	27532.6	27354.6	26641.6	25436.2	23649.1	21642.2	19138.3
-32.5°	21073.5	21876.5	22355.9	22569.6	22355.9	21876.5	21073.5	20033.4	18694.0	17060.5	15186.8
-35°	16350.0	16879.3	17194.4	17549.1	17194.4	16879.3	16350.0	15574.5	14539.1	13310.0	12111.3
-37.5°	12711.6	13104.1	13321.2	13394.3	13321.2	13104.1	12711.6	12139.1	11402.7	10467.4	9562.6
-40°	10146.4	10536.1	10770.0	10805.3	10770.0	10536.1	10146.4	9632.1	8987.3	8157.9	7162.9
-42.5°	7976.4	8462.0	8776.0	8848.1	8776.0	8462.0	7976.4	7399.9	6641.2	5736.1	4656.7
-45°	5171.1	5623.0	5862.2	5846.9	5862.2	5623.0	5171.1	4584.3	3782.0	2871.5	2013.3
-47.5°	2163.5	2236.3	2267.6	2257.6	2267.6	2236.3	2163.5	2061.4	1901.7	1706.2	1509.0
-50°	1591.9	1633.2	1655.9	1661.1	1655.9	1633.2	1591.9	1543.2	1481.5	1405.1	1326.5
-52.5°	1429.5	1444.7	1450.0	1449.8	1450.0	1444.7	1429.5	1415.8	1399.8	1368.6	1331.9
-55°	1488.3	1521.6	1534.6	1534.7	1534.6	1521.6	1488.3	1453.2	1415.5	1348.9	1277.7
-57.5°	1388.6	1426.1	1443.4	1447.8	1443.4	1426.1	1388.6	1346.2	1299.6	1219.1	1132.8
-60°	1171.6	1201.7	1214.9	1217.9	1214.9	1201.7	1171.6	1136.9	1098.4	1032.7	958.6
-62.5°	943.3	966.1	973.1	971.4	973.1	966.1	943.3	915.5	882.9	830.2	767.5
-65°	697.1	712.8	714.0	708.3	714.0	712.8	697.1	677.3	653.6	617.4	571.1
-67.5°	480.3	490.3	490.7	486.7	490.7	490.3	480.3	466.9	450.1	425.1	392.0
-70°	303.0	310.5	311.0	308.6	311.0	310.5	303.0	293.6	282.4	267.9	248.9
-72.5°	184.1	188.2	192.0	194.7	192.0	188.2	184.1	179.1	173.2	165.8	155.1
-75°	111.4	112.8	112.6	111.8	112.6	112.8	111.4	109.4	106.7	102.8	95.3
-77.5°	64.5	65.7	68.2	70.4	68.2	65.7	64.5	63.0	61.4	59.1	54.1
-80°	36.9	37.1	38.3	39.4	38.3	37.1	36.9	36.5	36.0	35.1	32.4
-82.5°	25.6	26.8	26.9	26.9	26.9	26.8	25.6	24.4	23.2	21.9	20.1
-85°	16.0	16.5	17.6	18.6	17.6	16.5	16.0	15.4	14.7	14.1	13.0
-87.5°	9.9	10.4	10.4	10.4	10.4	10.4	9.9	9.4	8.8	8.3	8.3
-90°	2.6	2.1	1.0	0.0	1.0	2.1	2.6	3.1	3.6	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.3	6.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2
85°	4.1	4.1	4.1	4.5	4.9	5.2	5.4	5.6	5.7	5.9	6.2
82.5°	4.1	4.1	4.1	4.7	5.2	5.7	6.2	6.2	6.2	6.2	6.3
80°	4.9	5.2	5.4	5.5	5.7	5.9	6.2	6.3	6.3	6.2	6.3
77.5°	5.2	5.8	6.2	6.2	6.2	6.2	6.3	6.8	7.2	7.4	7.4
75°	5.9	6.0	6.3	6.4	6.4	6.3	6.4	6.9	7.5	8.0	8.3
72.5°	6.9	7.0	7.2	7.5	7.6	7.8	8.1	8.5	8.6	8.5	8.3
70°	9.2	9.5	9.9	10.3	10.6	10.9	11.1	11.3	11.4	11.5	10.5
67.5°	11.9	12.6	14.1	15.7	16.4	16.6	16.3	15.2	14.7	14.6	13.1
65°	14.0	14.7	15.9	17.3	18.9	20.9	23.9	24.3	23.0	20.2	15.8
62.5°	15.2	16.4	17.0	17.7	18.9	22.2	28.4	31.9	32.9	29.2	22.3
60°	14.5	14.6	15.7	16.7	17.8	23.9	33.0	39.6	43.4	36.9	27.8
57.5°	14.7	14.7	15.3	15.9	16.5	24.5	35.4	46.9	54.0	42.5	31.9
55°	16.3	16.3	16.1	16.2	17.0	24.7	34.6	46.1	53.0	46.0	34.0
52.5°	14.6	15.9	16.7	16.7	18.2	23.8	31.5	42.3	45.6	40.2	33.1
50°	18.2	18.3	18.1	18.1	19.5	22.4	28.1	36.6	36.8	34.3	28.6
47.5°	24.1	23.6	22.5	21.9	22.3	22.4	25.8	29.8	32.0	29.3	25.1
45°	39.7	35.5	29.6	29.7	28.7	27.5	26.0	30.4	31.7	29.9	23.2
42.5°	66.2	61.1	51.4	48.1	42.7	39.1	35.1	37.3	38.1	34.9	31.5
40°	145.3	110.8	103.5	86.5	72.3	59.5	53.7	48.5	48.4	45.5	44.2
37.5°	318.8	275.0	239.6	180.1	142.6	98.3	81.7	68.9	60.8	65.6	63.0
35°	568.2	516.1	475.7	395.7	278.8	212.0	127.3	99.2	91.7	96.3	88.3
32.5°	872.8	884.0	803.8	698.9	605.4	424.2	272.2	149.0	163.7	155.3	127.5
30°	1938.2	1776.3	1334.0	1352.8	1352.7	866.3	503.0	393.0	292.7	241.9	183.7
27.5°	4503.3	3977.3	3053.6	2719.8	2704.2	1933.6	1162.8	802.2	513.5	379.4	279.9
25°	8356.4	7465.5	5960.6	4969.1	4474.4	3411.4	2142.7	1516.8	977.5	549.1	382.2
22.5°	12723.5	11103.3	9167.4	7267.1	6140.6	4543.3	3191.2	2392.7	1498.0	786.0	506.0
20°	17542.2	15025.5	12598.5	10191.1	7825.0	5568.9	3980.4	3263.6	2188.7	1110.3	624.6
17.5°	23375.7	19401.2	16808.3	13540.9	10322.6	7269.2	5589.7	4394.2	3054.3	1382.4	732.8
15°	30685.2	26471.0	22503.3	17907.7	13733.0	10678.1	7971.0	5891.0	4079.2	1902.3	976.1
12.5°	42141.0	35713.9	29487.2	23464.0	18662.9	14614.6	11026.7	7980.9	5276.4	2829.7	1372.8
10°	52554.1	44701.3	36837.9	29945.2	24037.8	18811.0	13879.9	9635.6	6318.4	3767.0	1806.8
7.5°	61034.8	52164.3	43800.8	35293.1	28072.6	21657.4	15849.8	11018.3	7200.2	4612.9	2258.4
5°	67836.6	57355.5	47796.0	37904.7	30605.3	24199.8	17618.8	12263.7	7926.5	5354.6	2705.8
2.5°	72066.3	60621.2	50675.1	39815.1	32461.5	26240.8	19158.9	13338.5	8541.1	5936.5	3095.7
0°	74554.0	62812.5	52568.5	41085.9	33511.6	27337.4	20425.9	14185.5	9038.6	6379.2	3436.1
-2.5°	73988.5	61298.1	50806.7	39235.4	31563.6	25469.2	19199.3	13867.7	9508.7	6475.5	3310.4
-5°	69189.2	57280.8	47552.7	37375.2	29783.9	23998.5	18272.8	13611.6	9760.5	6422.4	3118.4
-7.5°	67196.5	54428.3	44112.2	34801.9	27811.9	22551.7	17554.8	13451.0	9760.5	6333.9	3160.7
-10°	64074.3	52731.3	42896.6	33842.9	26797.5	21064.8	16772.0	13124.4	9558.3	6064.0	3086.0
-12.5°	61544.7	50730.3	41285.8	32958.0	26840.6	21066.3	16533.6	12716.7	9146.3	5608.9	2874.7
-15°	57827.2	48799.6	39703.5	32153.6	26400.0	20748.8	16149.1	12225.1	8258.9	4863.2	2512.6
-17.5°	52059.7	45219.2	36786.7	29438.5	24062.3	19815.3	15395.2	11096.9	7019.1	3897.9	1939.8
-20°	45044.9	38816.8	31988.6	25691.4	20621.6	16596.3	13590.4	9323.0	5629.1	3075.4	1720.8



REPORT NUMBER: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-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°	37318.6	31814.6	25863.9	20871.9	16660.6	13285.7	10399.2	7029.7	4066.8	2174.4	1489.7
-25°	28710.9	24487.1	19720.9	16463.2	12869.7	9719.7	7604.8	5132.1	2985.4	1605.2	1262.5
-27.5°	21710.5	17981.9	15421.4	12978.8	10139.4	7570.7	5499.5	3467.0	1925.9	1372.4	1116.3
-30°	16583.3	14517.1	12582.7	10724.4	8401.8	6034.5	3753.6	2329.0	1475.4	1176.2	1012.7
-32.5°	13245.8	11888.1	10413.2	8733.7	6569.7	4256.2	2603.5	1512.5	1229.3	1073.1	970.2
-35°	10875.0	9622.9	8205.5	6430.1	4369.4	2767.2	1595.0	1290.7	1101.2	993.5	943.6
-37.5°	8541.8	7315.2	5737.8	4046.5	2627.6	1629.2	1349.5	1152.4	1016.5	965.0	891.8
-40°	6064.2	4741.7	3430.4	2129.5	1610.5	1359.9	1192.6	1056.1	995.8	918.7	826.0
-42.5°	3547.9	2410.5	1767.7	1526.6	1323.0	1201.1	1089.1	1029.8	953.6	853.4	738.3
-45°	1794.6	1583.5	1387.9	1288.1	1179.1	1113.2	1057.0	974.5	879.8	766.1	642.6
-47.5°	1405.7	1324.6	1236.2	1180.6	1133.7	1073.9	983.9	891.0	782.8	670.6	568.0
-50°	1273.0	1243.5	1204.9	1148.2	1068.0	985.3	886.9	783.3	684.3	588.7	494.1
-52.5°	1283.5	1213.6	1139.1	1058.6	961.2	865.0	769.5	683.1	595.4	507.9	424.1
-55°	1201.2	1111.6	1018.2	921.0	822.9	742.5	662.7	584.9	506.2	426.5	360.7
-57.5°	1044.6	957.7	872.9	786.5	698.9	627.2	558.5	487.1	421.5	359.9	299.5
-60°	883.9	809.0	730.7	655.7	585.0	520.1	459.1	400.7	345.5	291.4	237.7
-62.5°	704.6	642.5	580.8	521.8	465.9	413.1	361.7	313.1	266.8	221.7	181.5
-65°	523.2	474.0	427.2	385.8	344.9	304.6	262.7	227.3	195.2	163.0	130.4
-67.5°	357.5	322.2	288.9	259.6	235.5	210.8	183.7	156.2	135.2	117.2	97.5
-70°	228.9	208.2	188.3	169.1	153.4	139.8	124.7	109.2	94.0	80.4	66.3
-72.5°	143.8	131.9	120.4	110.1	99.3	89.7	79.7	69.1	58.3	47.6	38.5
-75°	87.3	78.8	70.6	63.7	56.3	48.4	43.1	38.8	34.3	29.6	24.9
-77.5°	49.1	44.1	39.7	36.6	33.4	30.0	26.4	23.2	21.1	19.2	17.7
-80°	29.7	26.9	24.2	22.4	20.7	18.9	17.3	16.0	15.0	14.3	13.8
-82.5°	18.3	16.5	14.8	14.1	13.4	12.8	12.3	11.9	11.6	11.3	10.9
-85°	11.9	10.9	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2
-87.5°	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.9	7.8	7.7	7.7
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2



REPORT NUMBER: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.7	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	6.6	6.9	7.2	7.4	7.6	7.8	8.0	8.3	8.3	8.3	8.3
85°	6.7	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	6.8	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	6.8	7.3	7.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	7.4	7.6	7.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.2	8.2	8.4	8.4	8.3	8.3	8.4	8.5	8.3	8.3
72.5°	8.3	8.3	8.3	8.6	8.9	8.9	8.6	8.5	8.8	8.7	8.4
70°	9.4	8.5	8.3	8.6	9.2	9.6	9.5	9.2	9.1	9.2	8.9
67.5°	11.4	10.1	9.1	8.9	9.2	9.8	10.3	9.9	9.6	9.7	9.5
65°	14.0	12.1	10.3	9.8	9.6	9.8	10.3	10.4	10.1	9.9	10.0
62.5°	17.3	14.5	12.5	10.9	10.2	10.1	10.4	10.4	10.4	10.2	10.3
60°	20.9	16.4	14.4	12.6	11.1	10.3	10.4	10.4	10.4	10.4	10.4
57.5°	23.3	17.2	15.4	13.9	12.3	10.9	10.4	10.4	10.4	10.4	10.4
55°	24.2	17.8	16.4	14.9	13.3	11.8	10.7	10.4	10.4	10.4	10.4
52.5°	23.6	18.8	17.3	15.7	14.1	12.6	11.5	10.4	10.4	10.4	10.4
50°	20.9	20.1	18.3	16.5	14.9	13.4	12.2	11.0	10.4	10.4	10.4
47.5°	21.2	21.3	19.8	17.5	15.6	14.3	13.0	11.7	10.4	10.4	10.4
45°	24.1	22.9	21.5	19.1	16.5	15.1	13.7	12.3	11.0	10.5	10.4
42.5°	29.2	27.2	23.8	20.7	18.3	15.9	14.4	13.0	11.5	10.6	10.5
40°	40.4	34.2	27.9	25.6	20.8	16.7	15.1	13.6	12.1	10.9	10.6
37.5°	54.2	45.4	36.0	35.9	25.6	19.2	15.8	14.2	12.7	11.5	10.8
35°	74.9	60.3	53.1	51.1	38.8	22.1	16.4	14.7	13.5	12.1	11.1
32.5°	98.6	88.2	81.7	68.8	55.9	25.3	18.3	15.8	14.3	12.6	11.3
30°	144.8	138.6	118.6	88.3	75.4	41.0	21.5	17.0	15.1	13.2	11.7
27.5°	216.3	200.6	164.7	121.1	93.7	60.2	25.6	18.3	16.0	13.8	12.1
25°	292.5	266.8	225.1	162.7	113.0	80.4	29.9	19.9	17.1	14.5	12.6
22.5°	383.6	329.4	293.2	209.2	137.4	100.9	40.5	23.4	18.3	15.2	13.0
20°	467.7	389.2	366.2	255.0	172.3	120.3	56.9	27.0	19.5	15.9	13.4
17.5°	549.2	468.7	422.4	309.2	210.5	142.2	73.1	30.6	20.8	16.6	13.7
15°	702.7	579.5	488.0	364.0	246.4	166.0	88.7	34.2	22.1	17.3	14.0
12.5°	878.8	697.1	564.0	418.7	280.1	191.0	103.6	37.7	23.4	18.0	14.1
10°	1061.1	818.8	647.2	472.1	311.3	216.4	117.5	42.4	25.3	18.6	14.3
7.5°	1245.2	941.9	734.3	523.0	346.3	255.2	149.6	50.0	27.3	19.2	14.4
5°	1413.9	1057.9	826.0	603.0	413.1	307.6	185.3	57.8	29.4	19.8	14.4
2.5°	1518.3	1158.7	913.9	682.5	478.2	358.2	220.2	65.4	31.3	20.3	14.5
0°	1607.2	1251.0	994.2	756.0	540.6	406.0	252.7	72.5	33.1	20.7	14.5
-2.5°	1608.6	1253.7	1021.2	826.0	609.8	457.2	292.5	93.7	45.4	26.3	16.4
-5°	1595.7	1249.9	1045.2	889.6	673.9	503.8	326.8	113.7	57.1	31.6	18.3
-7.5°	1626.8	1262.8	1067.3	940.3	731.8	545.3	354.5	131.7	67.8	36.5	20.0
-10°	1648.1	1279.1	1081.7	937.5	732.2	557.2	370.5	147.4	77.3	40.7	21.6
-12.5°	1641.2	1282.4	1090.7	925.3	717.1	542.5	356.2	158.4	85.3	44.2	23.0
-15°	1602.9	1271.3	1094.0	902.7	695.6	524.8	339.2	165.9	92.1	47.5	24.1
-17.5°	1509.7	1244.4	1091.3	869.0	667.5	504.7	320.4	170.8	97.1	50.8	25.8
-20°	1368.0	1182.8	1076.3	823.6	632.6	482.4	300.3	173.1	100.2	53.0	27.7



REPORT NUMBER: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1235.7	1108.4	989.3	778.8	596.3	458.2	279.6	172.6	101.1	53.8	29.0
-25°	1102.5	1038.9	900.1	719.6	564.7	427.7	267.9	169.1	99.8	53.3	29.7
-27.5°	1012.8	966.2	818.7	658.8	525.6	398.6	262.5	167.1	97.2	51.2	29.7
-30°	947.1	878.9	747.4	600.5	482.7	359.2	253.4	162.2	94.8	50.0	29.1
-32.5°	907.3	804.6	677.2	550.4	436.5	319.1	233.3	154.0	90.2	49.3	28.6
-35°	851.6	735.8	607.8	496.1	389.5	289.5	208.5	142.6	83.5	47.6	27.9
-37.5°	791.3	664.0	545.4	441.4	342.3	257.4	186.0	125.8	74.5	44.8	26.6
-40°	709.3	592.0	483.7	390.0	302.1	222.9	162.1	110.2	68.6	41.0	24.7
-42.5°	623.8	523.1	428.2	339.5	262.0	195.2	137.8	93.8	61.6	37.6	22.3
-45°	547.8	456.6	373.7	295.5	221.4	166.4	118.9	77.9	53.7	34.1	20.1
-47.5°	473.1	396.2	322.4	250.7	189.2	138.7	99.2	68.4	45.4	29.9	18.9
-50°	407.4	339.0	273.8	212.4	156.9	116.5	81.2	58.4	39.4	24.7	17.4
-52.5°	350.1	287.0	228.8	174.6	131.1	93.7	69.3	48.1	32.9	21.6	15.8
-55°	296.4	237.1	184.9	142.4	105.7	78.0	56.8	40.2	26.0	19.4	14.2
-57.5°	242.3	187.2	148.2	113.0	85.8	63.9	45.9	31.6	22.2	17.0	13.9
-60°	188.3	148.9	114.4	90.2	69.1	50.5	35.6	24.5	19.3	14.9	13.4
-62.5°	144.2	112.5	90.8	70.8	53.2	38.1	26.0	21.0	16.3	14.3	12.9
-65°	108.3	87.6	68.7	52.7	38.0	27.2	21.9	17.3	15.1	13.8	12.4
-67.5°	78.8	63.0	48.0	34.3	27.1	22.0	17.5	15.7	14.4	13.2	11.9
-70°	52.3	39.0	30.9	25.5	20.8	17.1	16.0	14.9	13.7	12.6	11.4
-72.5°	32.5	27.1	22.2	18.2	16.9	15.8	15.0	14.1	13.0	12.0	10.9
-75°	20.5	18.6	17.3	16.1	15.2	14.4	14.0	13.3	12.3	11.3	10.7
-77.5°	16.5	15.5	14.6	14.2	13.8	13.4	13.0	12.5	11.7	11.0	10.6
-80°	13.4	13.2	13.1	13.0	12.7	12.4	12.1	11.7	11.2	10.7	10.5
-82.5°	11.0	11.3	11.6	11.8	11.6	11.4	11.2	10.9	10.6	10.4	10.2
-85°	9.6	10.0	10.3	10.7	10.5	10.4	10.2	10.1	9.9	9.7	9.6
-87.5°	8.1	8.6	9.1	9.5	9.4	9.3	9.3	9.2	9.1	9.0	8.9
-90°	6.2	6.2	6.2	6.2	6.7	7.3	7.8	8.3	8.3	8.3	8.3



REPORT NUMBER: P701476 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	8.4	8.3	8.3	8.3	8.3	8.3	8.3
67.5°	8.9	8.3	8.3	8.3	8.3	8.3	8.3
65°	9.4	8.5	8.3	8.3	8.3	8.3	8.3
62.5°	9.9	8.9	8.3	8.3	8.3	8.3	8.3
60°	10.3	9.3	8.3	8.3	8.3	8.3	8.3
57.5°	10.4	9.7	8.6	8.3	8.3	8.3	8.3
55°	10.4	10.1	8.9	8.3	8.3	8.3	8.3
52.5°	10.4	10.4	9.2	8.3	8.3	8.3	8.3
50°	10.4	10.4	9.5	8.3	8.3	8.3	8.3
47.5°	10.4	10.4	9.8	8.3	8.3	8.3	8.3
45°	10.4	10.4	10.0	8.5	8.3	8.3	8.3
42.5°	10.4	10.4	10.3	8.7	8.3	8.3	8.3
40°	10.4	10.4	10.4	8.9	8.3	8.3	8.3
37.5°	10.4	10.4	10.4	9.0	8.3	8.3	8.3
35°	10.4	10.4	10.4	9.1	8.3	8.3	8.3
32.5°	10.5	10.4	10.4	9.2	8.3	8.3	8.3
30°	10.7	10.4	10.4	9.2	8.3	8.3	8.3
27.5°	10.9	10.4	10.3	9.3	8.3	8.3	8.3
25°	11.1	10.4	10.3	9.3	8.3	8.3	8.3
22.5°	11.4	10.4	10.3	9.2	8.3	8.3	8.3
20°	11.6	10.4	10.2	9.2	8.3	8.3	8.3
17.5°	11.8	10.4	10.2	9.1	8.3	8.3	8.3
15°	12.0	10.4	10.3	9.0	8.3	8.3	8.3
12.5°	12.1	10.4	10.3	8.9	8.3	8.3	8.3
10°	12.2	10.4	10.3	8.8	8.3	8.3	8.3
7.5°	12.3	10.4	10.3	8.7	8.3	8.3	8.3
5°	12.4	10.4	10.4	8.6	8.3	8.3	8.3
2.5°	12.4	10.4	10.4	8.4	8.3	8.3	8.3
0°	12.4	10.4	10.4	8.3	8.3	8.3	8.3
-2.5°	13.2	10.9	10.4	8.4	8.3	8.3	8.3
-5°	14.0	11.3	10.4	8.6	8.3	8.3	8.3
-7.5°	14.7	11.7	10.3	8.7	8.3	8.3	8.3
-10°	15.4	12.1	10.3	8.8	8.3	8.3	8.3
-12.5°	16.0	12.4	10.3	8.9	8.3	8.3	8.3
-15°	16.6	12.6	10.3	9.0	8.3	8.3	8.3
-17.5°	17.0	12.8	10.2	9.1	8.3	8.3	8.3
-20°	17.5	12.9	10.2	9.2	8.3	8.3	8.3



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.2	12.8	10.3	9.2	8.3	8.3	8.3
-25°	18.5	12.8	10.3	9.3	8.3	8.3	8.3
-27.5°	18.5	12.7	10.3	9.3	8.3	8.3	8.3
-30°	18.2	12.4	10.4	9.2	8.3	8.3	8.3
-32.5°	17.6	12.1	10.5	9.2	8.3	8.3	8.3
-35°	17.0	11.7	10.6	9.1	8.3	8.3	8.3
-37.5°	16.5	11.5	10.7	9.0	8.3	8.3	8.3
-40°	15.9	11.6	10.7	8.9	8.3	8.3	8.3
-42.5°	15.1	11.6	10.6	8.8	8.3	8.3	8.3
-45°	14.2	11.6	10.4	8.6	8.3	8.3	8.3
-47.5°	13.1	11.6	10.2	8.5	8.3	8.3	8.3
-50°	12.9	11.5	10.0	8.5	8.3	8.3	8.3
-52.5°	12.7	11.4	9.8	8.5	8.3	8.3	8.3
-55°	12.5	11.2	9.6	8.5	8.3	8.3	8.3
-57.5°	12.3	10.8	9.3	8.6	8.3	8.3	8.3
-60°	12.0	10.5	9.1	8.6	8.3	8.3	8.3
-62.5°	11.6	10.2	9.1	8.6	8.3	8.3	8.3
-65°	11.1	9.8	9.2	8.7	8.3	8.3	8.3
-67.5°	10.7	9.7	9.2	8.7	8.3	8.3	8.3
-70°	10.3	9.7	9.2	8.7	8.3	8.3	8.3
-72.5°	10.3	9.8	9.3	8.7	8.3	8.3	8.3
-75°	10.3	9.8	9.3	8.7	8.3	8.3	8.3
-77.5°	10.3	9.8	9.2	8.6	8.3	8.3	8.3
-80°	10.4	9.6	9.0	8.6	8.3	8.3	8.3
-82.5°	9.9	9.3	8.8	8.5	8.3	8.3	8.3
-85°	9.4	9.0	8.7	8.4	8.3	8.3	8.3
-87.5°	8.8	8.6	8.5	8.4	8.3	8.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

