

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: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-5S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701596 (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-57-80-5S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

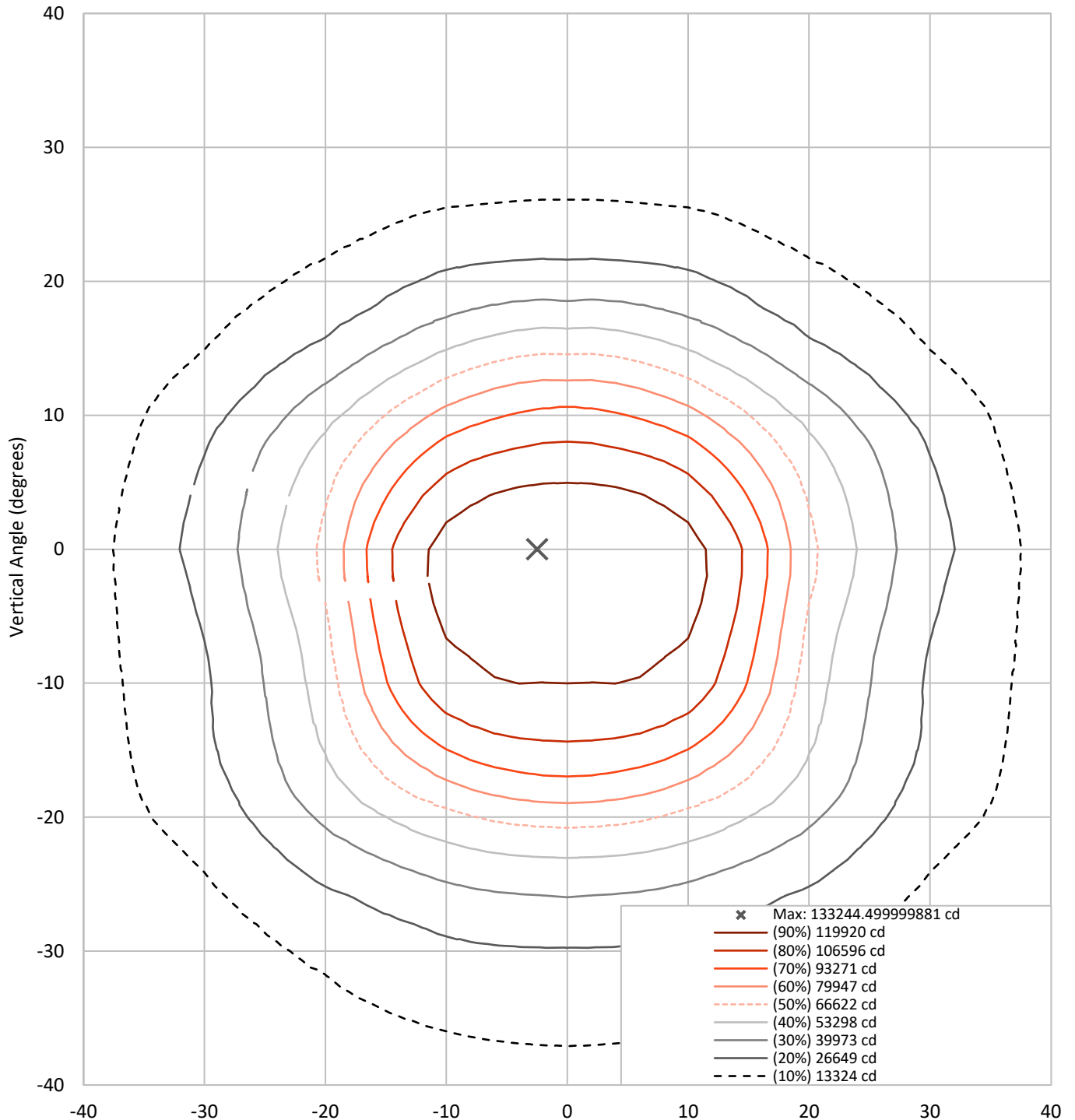
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	65759.8 lumens	Max Intensity:	133244.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	99.9 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:	36169.2 lumens	Field Lumens:	60243.5 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





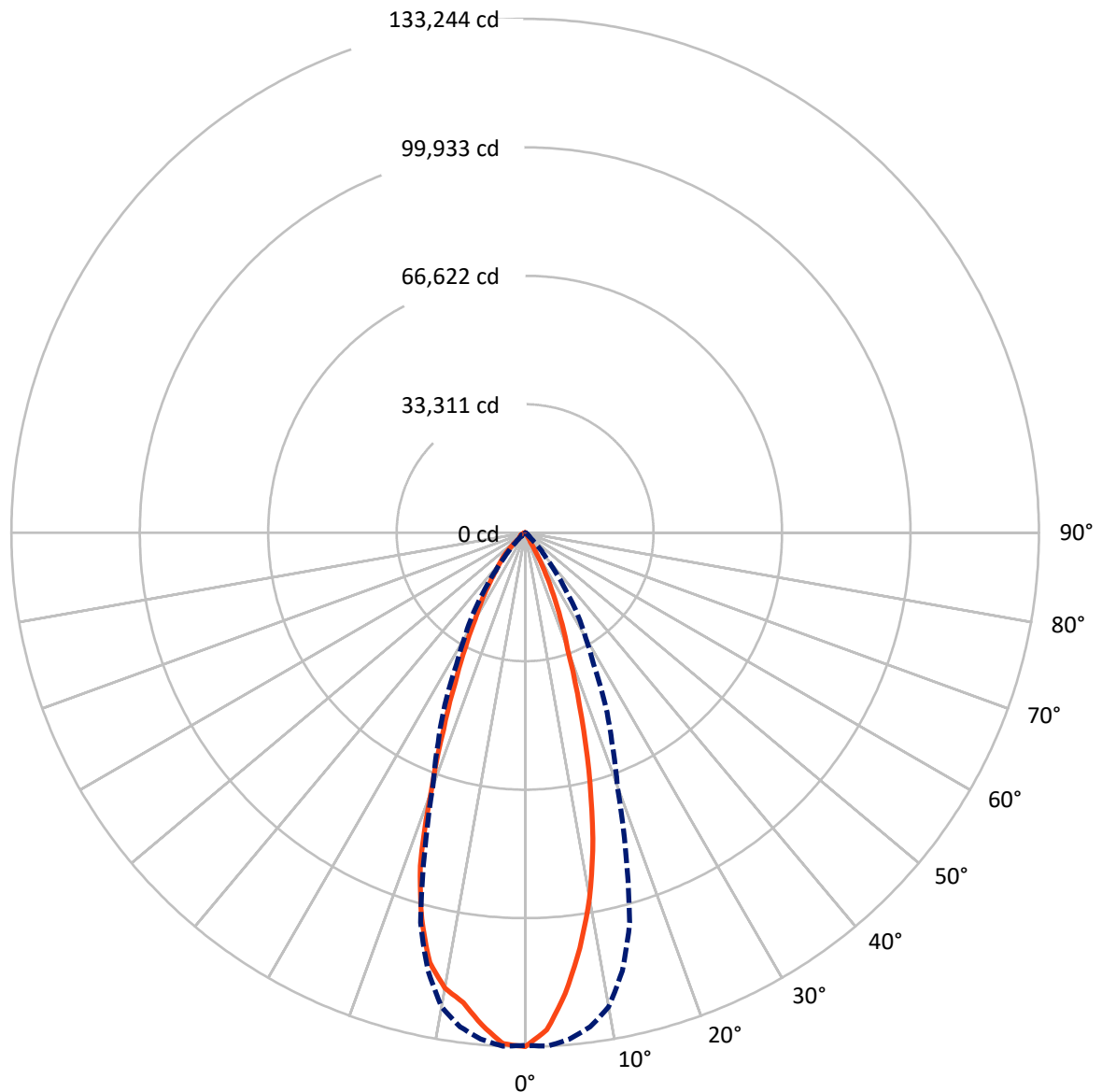
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Lumen Table

90																
80	0.2	0.5		0.6		0.6		0.5		0.6		0.6		0.5	0.2	
70																
60	0.2	0.1	0.2	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.5	0.4	0.2	0.1	0.2
50		0.1	0.2	0.7	0.8	0.4	0.4	0.5	0.5	0.4	0.4	0.8	0.7	0.2	0.1	
40	0.2	0.2	0.3	0.6	0.8	1.1	1.7	2.0	2.0	1.7	1.1	0.8	0.6	0.3	0.2	0.2
30		0.2	0.8	2.0	5.3	14.8	25.6	32.6	32.6	25.6	14.8	5.3	2.0	0.8	0.2	
20	0.2	0.4	2.9	10.0	58.4	167.9	341.2	492.6	492.6	341.2	167.9	58.4	10.0	2.9	0.4	0.2
10		0.8	6.2	32.7	207.7	608.7	1247.5	1843.0	1843.0	1247.5	608.7	207.7	32.7	6.2	0.8	
0	0.3	1.4	10.6	71.2	427.2	1220.3	2555.2	3487.3	3487.3	2555.2	1220.3	427.2	71.2	10.6	1.4	0.3
-10		2.4	14.4	86.2	447.4	1249.6	2867.6	3822.0	3822.0	2867.6	1249.6	447.4	86.2	14.4	2.4	
-20	0.4	2.8	14.8	69.2	379.8	1028.8	2166.7	2983.7	2983.7	2166.7	1028.8	379.8	69.2	14.8	2.8	0.4
-30		2.5	12.1	32.5	190.5	550.6	1012.4	1329.4	1329.4	1012.4	550.6	190.5	32.5	12.1	2.5	
-40	0.3	1.9	8.4	18.9	55.7	207.4	381.7	497.9	497.9	381.7	207.4	55.7	18.9	8.4	1.9	0.3
-50		1.1	5.1	13.4	24.6	46.0	103.7	156.5	156.5	103.7	46.0	24.6	13.4	5.1	1.1	
-60	0.2	0.5	2.5	7.5	15.7	25.8	35.4	41.0	41.0	35.4	25.8	15.7	7.5	2.5	0.5	0.2
-70		0.2	0.9	2.9	6.5	11.4	17.2	20.6	20.6	17.2	11.4	6.5	2.9	0.9	0.2	
-80	0.2	0.7		2.4		6.2		8.7		6.2		2.4		0.7	0.2	
-90																

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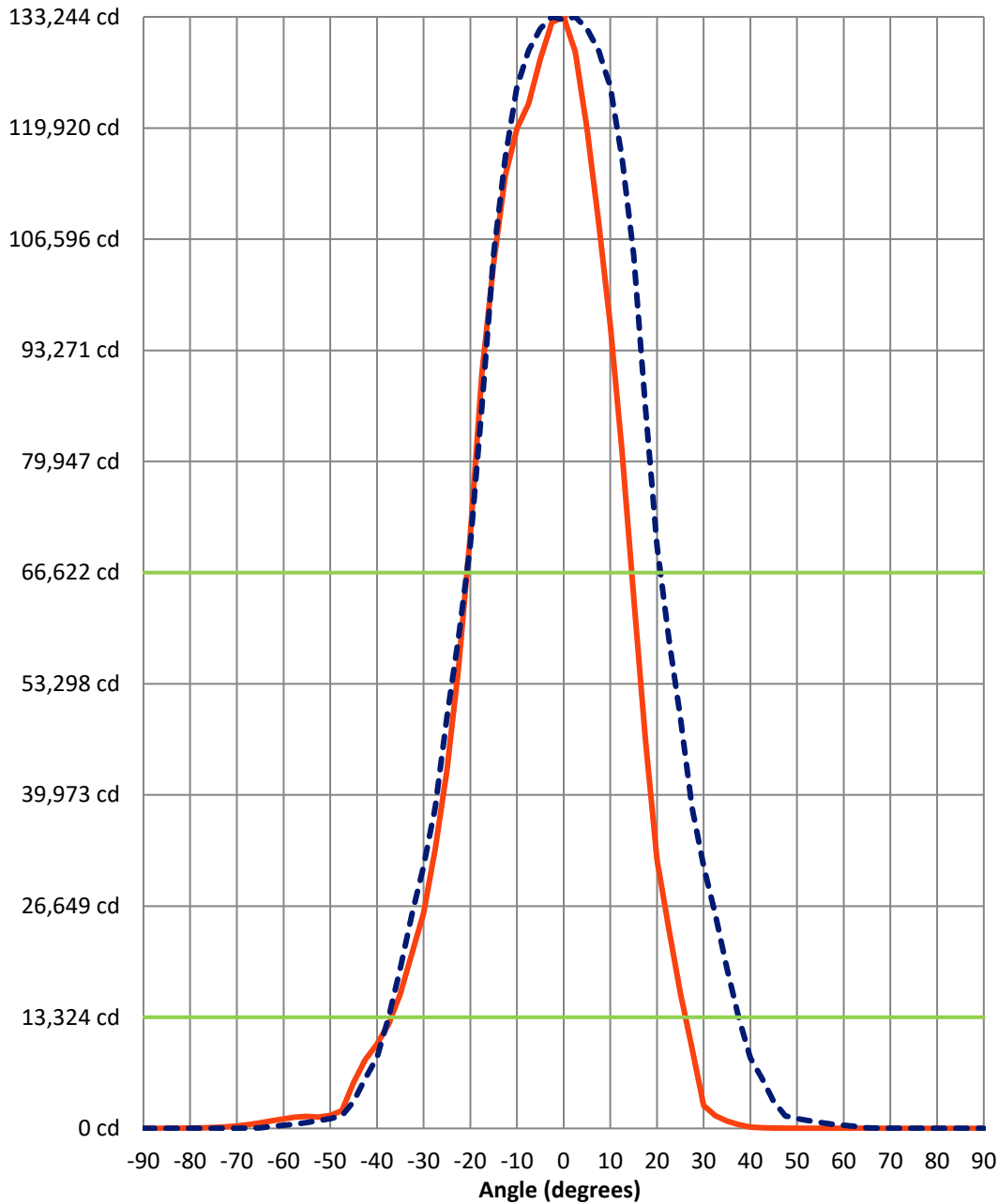
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 36169.2
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 60243.5
 Efficiency: 91.6%

Spill:
 Lumens: 5516.3
 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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.0	7.9
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.9	8.2	8.2	8.0
70°	7.8	7.8	7.8	7.8	7.8	7.8	7.9	8.4	8.6	8.5	8.6
67.5°	7.8	7.8	7.8	7.8	7.8	7.8	8.3	8.9	9.0	9.0	9.3
65°	7.8	7.8	7.8	7.8	7.8	8.0	8.8	9.4	9.3	9.4	9.7
62.5°	7.8	7.8	7.8	7.8	7.8	8.4	9.2	9.6	9.5	9.7	9.7
60°	7.8	7.8	7.8	7.8	7.8	8.7	9.7	9.7	9.7	9.7	9.7
57.5°	7.8	7.8	7.8	7.8	8.1	9.1	9.7	9.7	9.7	9.7	9.7
55°	7.8	7.8	7.8	7.8	8.3	9.4	9.7	9.7	9.7	9.7	9.7
52.5°	7.8	7.8	7.8	7.8	8.6	9.7	9.7	9.7	9.7	9.7	9.7
50°	7.8	7.8	7.8	7.8	8.9	9.7	9.7	9.7	9.7	9.7	10.3
47.5°	7.8	7.8	7.8	7.8	9.1	9.7	9.7	9.7	9.7	9.7	11.0
45°	7.8	7.8	7.8	8.0	9.4	9.7	9.7	9.7	9.8	10.3	11.6
42.5°	7.8	7.8	7.8	8.2	9.6	9.7	9.7	9.8	9.9	10.8	12.2
40°	7.8	7.8	7.8	8.3	9.7	9.7	9.7	9.9	10.2	11.4	12.8
37.5°	7.8	7.8	7.8	8.5	9.7	9.7	9.7	10.1	10.8	12.0	13.3
35°	7.8	7.8	7.8	8.5	9.7	9.7	9.7	10.4	11.3	12.7	13.8
32.5°	7.8	7.8	7.8	8.6	9.7	9.7	9.8	10.6	11.9	13.4	14.8
30°	7.8	7.8	7.8	8.7	9.7	9.7	10.0	11.0	12.4	14.2	15.9
27.5°	7.8	7.8	7.8	8.7	9.6	9.7	10.2	11.4	12.9	15.1	17.1
25°	7.8	7.8	7.8	8.7	9.6	9.7	10.4	11.8	13.6	16.0	18.6
22.5°	7.8	7.8	7.8	8.6	9.6	9.7	10.7	12.2	14.3	17.1	21.9
20°	7.8	7.8	7.8	8.6	9.6	9.7	10.9	12.5	14.9	18.3	25.3
17.5°	7.8	7.8	7.8	8.5	9.6	9.7	11.1	12.9	15.6	19.5	28.7
15°	7.8	7.8	7.8	8.5	9.6	9.7	11.3	13.1	16.3	20.7	32.0
12.5°	7.8	7.8	7.8	8.4	9.6	9.7	11.4	13.3	16.9	21.9	35.3
10°	7.8	7.8	7.8	8.3	9.6	9.7	11.5	13.4	17.5	23.7	39.7
7.5°	7.8	7.8	7.8	8.2	9.7	9.7	11.6	13.5	18.0	25.6	46.9
5°	7.8	7.8	7.8	8.0	9.7	9.7	11.7	13.5	18.5	27.5	54.2
2.5°	7.8	7.8	7.8	7.9	9.7	9.7	11.7	13.6	19.0	29.4	61.3
0°	7.8	7.8	7.8	7.8	9.7	9.7	11.7	13.6	19.4	31.1	68.0
-2.5°	7.8	7.8	7.8	7.9	9.7	10.1	12.5	15.4	24.6	42.6	87.9
-5°	7.8	7.8	7.8	8.0	9.7	10.5	13.2	17.1	29.6	53.6	106.5
-7.5°	7.8	7.8	7.8	8.2	9.7	10.9	13.9	18.8	34.1	63.6	123.5
-10°	7.8	7.8	7.8	8.3	9.6	11.3	14.5	20.3	38.1	72.5	138.2
-12.5°	7.8	7.8	7.8	8.4	9.6	11.6	15.1	21.6	41.4	80.0	148.4
-15°	7.8	7.8	7.8	8.5	9.6	11.8	15.6	22.6	44.5	86.3	155.5
-17.5°	7.8	7.8	7.8	8.5	9.6	12.0	16.0	24.2	47.6	91.0	160.2
-20°	7.8	7.8	7.8	8.6	9.6	12.0	16.5	25.9	49.6	93.9	162.3



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	7.8	7.8	8.6	9.6	12.0	17.1	27.2	50.4	94.8	161.8
-25°	7.8	7.8	7.8	8.7	9.6	12.0	17.4	27.9	49.9	93.5	158.5
-27.5°	7.8	7.8	7.8	8.7	9.6	11.8	17.4	27.9	48.0	91.1	156.7
-30°	7.8	7.8	7.8	8.7	9.7	11.6	17.1	27.3	46.9	88.8	152.1
-32.5°	7.8	7.8	7.8	8.6	9.8	11.4	16.5	26.9	46.2	84.6	144.4
-35°	7.8	7.8	7.8	8.5	9.9	11.0	16.0	26.2	44.6	78.2	133.7
-37.5°	7.8	7.8	7.8	8.5	10.0	10.7	15.5	24.9	42.0	69.8	118.0
-40°	7.8	7.8	7.8	8.3	10.0	10.8	14.9	23.2	38.4	64.3	103.3
-42.5°	7.8	7.8	7.8	8.2	9.9	10.9	14.1	20.9	35.3	57.7	87.9
-45°	7.8	7.8	7.8	8.1	9.8	10.9	13.3	18.9	32.0	50.4	73.0
-47.5°	7.8	7.8	7.8	7.9	9.6	10.9	12.3	17.7	28.1	42.6	64.1
-50°	7.8	7.8	7.8	7.9	9.4	10.8	12.1	16.4	23.2	37.0	54.7
-52.5°	7.8	7.8	7.8	8.0	9.2	10.7	11.9	14.9	20.3	30.9	45.1
-55°	7.8	7.8	7.8	8.0	9.0	10.5	11.8	13.3	18.2	24.4	37.6
-57.5°	7.8	7.8	7.8	8.1	8.7	10.2	11.5	13.0	15.9	20.8	29.7
-60°	7.8	7.8	7.8	8.1	8.5	9.9	11.3	12.6	14.0	18.1	23.0
-62.5°	7.8	7.8	7.8	8.1	8.5	9.5	10.9	12.2	13.5	15.2	19.6
-65°	7.8	7.8	7.8	8.1	8.6	9.2	10.5	11.7	12.9	14.1	16.2
-67.5°	7.8	7.8	7.8	8.2	8.6	9.0	10.0	11.2	12.4	13.5	14.7
-70°	7.8	7.8	7.8	8.2	8.6	9.1	9.6	10.7	11.8	12.9	14.0
-72.5°	7.8	7.8	7.8	8.2	8.7	9.1	9.6	10.2	11.2	12.3	13.3
-75°	7.8	7.8	7.8	8.1	8.7	9.1	9.6	10.0	10.6	11.6	12.5
-77.5°	7.8	7.8	7.8	8.1	8.6	9.2	9.6	9.9	10.3	11.0	11.8
-80°	7.8	7.8	7.8	8.0	8.4	9.0	9.7	9.8	10.0	10.5	11.0
-82.5°	7.8	7.8	7.8	8.0	8.3	8.7	9.3	9.5	9.7	9.9	10.2
-85°	7.8	7.8	7.8	7.9	8.1	8.4	8.8	8.9	9.1	9.3	9.4
-87.5°	7.8	7.8	7.8	7.9	8.0	8.1	8.3	8.4	8.4	8.5	8.6
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8	5.8	5.8	5.8
87.5°	7.5	7.3	7.1	6.9	6.7	6.4	6.1	5.8	5.3	4.9	4.4
85°	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8	5.6	5.4	5.2
82.5°	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8	5.8	5.8	5.8
80°	7.8	7.8	7.8	7.8	7.4	6.9	6.4	5.9	5.8	5.9	5.9
77.5°	7.8	7.8	7.8	7.8	7.4	7.1	6.9	6.9	6.9	6.7	6.4
75°	7.8	7.8	7.9	7.9	7.7	7.7	7.8	7.8	7.5	7.0	6.5
72.5°	8.1	8.3	8.3	8.0	7.8	7.8	7.8	7.8	8.0	8.1	8.0
70°	8.9	9.0	8.6	8.1	7.8	8.0	8.8	9.9	10.8	10.7	10.6
67.5°	9.6	9.1	8.7	8.3	8.6	9.5	10.7	12.3	13.7	13.8	14.2
65°	9.7	9.2	9.0	9.2	9.6	11.3	13.1	14.8	18.9	21.5	22.7
62.5°	9.7	9.4	9.5	10.2	11.7	13.6	16.2	20.8	27.4	30.8	29.8
60°	9.7	9.6	10.3	11.8	13.5	15.3	19.6	26.0	34.6	40.7	37.1
57.5°	9.7	10.2	11.6	13.1	14.4	16.1	21.8	29.9	39.9	50.7	44.0
55°	10.0	11.1	12.5	13.9	15.3	16.7	22.7	31.9	43.2	49.6	43.2
52.5°	10.8	11.9	13.3	14.7	16.2	17.7	22.1	31.0	37.7	42.7	39.6
50°	11.5	12.6	13.9	15.5	17.2	18.8	19.6	26.8	32.2	34.5	34.3
47.5°	12.2	13.4	14.6	16.4	18.5	20.0	19.9	23.5	27.5	30.0	27.9
45°	12.9	14.1	15.4	17.8	20.2	21.4	22.6	21.8	28.1	29.8	28.5
42.5°	13.5	14.8	17.1	19.4	22.3	25.5	27.4	29.6	32.7	35.7	34.9
40°	14.1	15.6	19.5	24.0	26.1	32.1	37.9	41.4	42.7	45.4	45.5
37.5°	14.7	18.0	24.0	33.6	33.8	42.6	50.8	59.1	61.5	57.0	64.6
35°	15.3	20.7	36.3	47.9	49.8	56.5	70.2	82.7	90.3	85.9	93.0
32.5°	17.1	23.7	52.4	64.5	76.6	82.7	92.4	119.5	145.6	153.5	139.7
30°	20.1	38.4	70.7	82.8	111.2	129.9	135.7	172.2	226.8	274.5	368.5
27.5°	23.9	56.4	87.8	113.5	154.4	188.1	202.8	262.5	355.7	481.5	752.1
25°	28.0	75.3	105.9	152.6	211.0	250.1	274.2	358.4	514.9	916.4	1422.0
22.5°	37.9	94.6	128.9	196.1	274.9	308.9	359.7	474.4	736.9	1404.4	2243.2
20°	53.3	112.8	161.5	239.1	343.4	364.9	438.4	585.6	1040.9	2052.0	3059.7
17.5°	68.5	133.3	197.3	289.9	396.0	439.5	514.8	686.9	1296.0	2863.4	4119.7
15°	83.2	155.6	231.0	341.3	457.6	543.4	658.7	915.1	1783.5	3824.3	5523.0
12.5°	97.1	179.0	262.6	392.5	528.7	653.5	823.9	1287.1	2653.0	4946.8	7482.3
10°	110.1	202.9	291.9	442.6	606.7	767.6	994.8	1693.9	3531.6	5923.7	9033.6
7.5°	140.2	239.3	324.7	490.3	688.4	883.1	1167.4	2117.4	4324.7	6750.3	10329.9
5°	173.7	288.4	387.3	565.3	774.4	991.7	1325.5	2536.7	5020.0	7431.3	11497.6
2.5°	206.4	335.8	448.3	639.8	856.8	1086.3	1423.4	2902.3	5565.6	8007.5	12505.2
0°	236.9	380.6	506.8	708.7	932.1	1172.8	1506.8	3221.4	5980.7	8473.9	13299.2
-2.5°	274.2	428.6	571.6	774.3	957.4	1175.4	1508.1	3103.6	6071.0	8914.6	13001.3
-5°	306.4	472.3	631.8	834.0	979.8	1171.8	1496.0	2923.6	6021.2	9150.7	12761.2
-7.5°	332.4	511.2	686.0	881.5	1000.6	1183.9	1525.2	2963.3	5938.2	9150.7	12610.6
-10°	347.4	522.3	686.4	878.9	1014.1	1199.2	1545.1	2893.2	5685.1	8961.1	12304.4
-12.5°	334.0	508.6	672.2	867.4	1022.5	1202.3	1538.6	2695.2	5258.5	8574.8	11922.2
-15°	318.1	492.1	652.1	846.3	1025.7	1191.8	1502.8	2355.7	4559.4	7742.9	11461.3
-17.5°	300.3	473.2	625.8	814.7	1023.1	1166.7	1415.4	1818.6	3654.4	6580.5	10403.6
-20°	281.5	452.3	593.1	772.1	1009.0	1108.8	1282.5	1613.3	2883.2	5277.5	8740.6



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	262.1	429.6	559.0	730.1	927.5	1039.1	1158.4	1396.6	2038.5	3812.7	6590.5
-25°	251.1	401.0	529.4	674.6	843.8	974.0	1033.6	1183.6	1504.9	2798.9	4811.5
-27.5°	246.1	373.7	492.8	617.6	767.5	905.8	949.5	1046.5	1286.6	1805.5	3250.4
-30°	237.5	336.8	452.5	563.0	700.7	824.0	887.9	949.4	1102.7	1383.2	2183.5
-32.5°	218.7	299.2	409.2	516.0	634.8	754.4	850.6	909.5	1006.0	1152.5	1418.0
-35°	195.5	271.4	365.1	465.1	569.8	689.8	798.4	884.7	931.4	1032.3	1210.0
-37.5°	174.3	241.3	320.9	413.8	511.3	622.5	741.9	836.1	904.7	952.9	1080.4
-40°	151.9	209.0	283.2	365.6	453.4	555.0	665.0	774.4	861.3	933.5	990.1
-42.5°	129.2	183.0	245.6	318.3	401.4	490.4	584.8	692.1	800.0	894.0	965.4
-45°	111.4	156.0	207.6	277.1	350.3	428.0	513.6	602.5	718.3	824.8	913.7
-47.5°	93.0	130.0	177.3	235.1	302.3	371.5	443.6	532.5	628.7	733.8	835.3
-50°	76.1	109.2	147.1	199.2	256.7	317.8	382.0	463.2	551.9	641.6	734.4
-52.5°	65.0	87.8	122.9	163.7	214.6	269.1	328.3	397.6	476.2	558.2	640.4
-55°	53.3	73.1	99.1	133.6	173.4	222.3	277.9	338.2	399.9	474.6	548.4
-57.5°	43.0	59.8	80.4	106.0	138.9	175.6	227.1	280.9	337.5	395.2	456.6
-60°	33.4	47.3	64.8	84.6	107.3	139.7	176.5	222.8	273.2	324.0	375.7
-62.5°	24.4	35.7	49.9	66.4	85.2	105.6	135.2	170.1	207.8	250.1	293.5
-65°	20.5	25.5	35.7	49.4	64.4	82.2	101.5	122.3	152.8	183.0	213.1
-67.5°	16.3	20.6	25.4	32.2	45.0	59.1	73.9	91.4	109.9	126.8	146.4
-70°	14.9	16.0	19.5	24.0	29.0	36.6	49.1	62.2	75.4	88.1	102.4
-72.5°	14.0	14.8	15.9	17.1	20.9	25.4	30.5	36.1	44.6	54.7	64.7
-75°	13.1	13.6	14.2	15.1	16.2	17.5	19.2	23.3	27.8	32.1	36.3
-77.5°	12.3	12.6	13.0	13.3	13.7	14.5	15.5	16.6	18.0	19.7	21.7
-80°	11.4	11.7	12.0	12.2	12.3	12.4	12.6	12.9	13.4	14.0	15.0
-82.5°	10.5	10.7	10.9	11.1	10.9	10.6	10.3	10.2	10.5	10.9	11.2
-85°	9.6	9.7	9.8	10.0	9.7	9.3	9.0	8.6	8.7	8.8	8.9
-87.5°	8.7	8.7	8.8	8.9	8.5	8.1	7.6	7.2	7.3	7.3	7.4
-90°	7.3	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.3	7.8	8.8	9.7
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.4	2.9
85°	5.1	4.9	4.6	4.3	3.9	3.9	3.9	3.9	3.9	3.4	2.9
82.5°	5.8	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.9	3.4	2.9
80°	5.8	5.5	5.3	5.2	5.1	4.9	4.7	4.3	3.9	3.4	2.9
77.5°	5.9	5.8	5.8	5.8	5.8	5.4	4.9	4.5	4.0	3.5	2.9
75°	6.0	5.9	6.0	6.0	5.9	5.6	5.5	5.4	5.4	5.1	4.7
72.5°	7.6	7.3	7.2	7.0	6.7	6.6	6.5	6.2	5.9	5.7	5.7
70°	10.4	10.3	10.0	9.7	9.3	8.9	8.6	8.2	7.5	7.4	7.5
67.5°	15.3	15.6	15.4	14.7	13.3	11.9	11.2	10.4	9.5	9.5	10.1
65°	22.4	19.6	17.8	16.2	14.9	13.8	13.1	12.3	11.5	11.8	13.4
62.5°	26.6	20.8	17.8	16.6	16.0	15.3	14.2	13.5	13.1	13.5	14.9
60°	31.0	22.4	16.7	15.7	14.7	13.7	13.6	13.6	13.6	13.8	14.4
57.5°	33.1	22.9	15.4	14.9	14.3	13.8	13.8	13.9	13.9	13.7	14.2
55°	32.4	23.1	15.9	15.1	15.0	15.2	15.2	14.4	13.9	13.6	14.1
52.5°	29.5	22.3	17.0	15.6	15.6	14.9	13.7	14.4	15.2	15.9	16.6
50°	26.3	21.0	18.3	17.0	17.1	17.2	17.1	18.2	19.2	19.8	20.5
47.5°	24.1	21.0	20.9	20.5	21.1	22.2	22.6	23.7	26.6	28.1	28.8
45°	24.4	25.8	26.9	27.9	27.7	33.3	37.2	39.4	41.9	44.4	46.3
42.5°	32.9	36.7	40.0	45.1	48.2	57.3	62.1	56.2	68.5	79.3	81.8
40°	50.4	55.8	67.7	81.1	97.0	103.9	136.3	137.7	151.7	186.8	198.1
37.5°	76.6	92.1	133.7	168.9	224.6	257.8	298.9	338.3	370.0	402.6	424.8
35°	119.4	198.8	261.4	371.0	446.0	483.8	532.7	591.0	615.8	718.1	796.4
32.5°	255.2	397.7	567.6	655.2	753.6	828.8	818.3	1060.8	1154.3	1308.1	1433.2
30°	471.6	812.1	1268.2	1268.3	1250.6	1665.3	1817.2	2130.3	2451.4	2665.4	3176.9
27.5°	1090.2	1812.8	2535.2	2549.9	2862.8	3728.8	4222.0	4370.2	5763.6	6658.4	7878.9
25°	2008.8	3198.3	4194.8	4658.6	5588.2	6999.1	7834.3	8830.3	10909.9	13279.6	14775.6
22.5°	2991.8	4259.4	5756.9	6813.0	8594.6	10409.6	11928.6	14126.2	16921.3	19565.5	21354.5
20°	3731.7	5220.9	7336.1	9554.4	11811.4	14086.7	16446.2	19466.0	23249.6	26469.5	29379.7
17.5°	5240.4	6815.0	9677.7	12694.9	15758.1	18189.0	21915.2	25536.9	30146.6	34819.0	38437.9
15°	7472.9	10011.0	12875.1	16788.9	21097.4	24817.2	28768.0	35123.9	40731.7	46736.9	52102.5
12.5°	10337.8	13701.6	17497.0	21998.0	27644.9	33482.6	39508.2	46216.8	53551.6	60764.9	68422.1
10°	13012.7	17635.7	22536.0	28074.3	34536.3	41908.5	49270.7	56872.1	67064.4	76302.1	84490.2
7.5°	14859.5	20304.3	26318.7	33088.1	41064.3	48905.3	57221.6	67556.9	79464.2	89939.1	98330.4
5°	16518.0	22687.8	28693.1	35536.5	44809.9	53772.1	63598.4	76178.0	89732.7	101219.7	109582.5
2.5°	17961.9	24601.4	30433.3	37327.5	47509.0	56833.8	67563.8	82555.8	98346.6	109852.7	118676.4
0°	19149.8	25629.5	31417.9	38519.0	49284.1	58888.1	69896.1	86568.1	104745.1	116368.5	124850.2
-2.5°	17999.8	23877.9	29591.7	36784.1	47632.5	57468.4	69366.0	86324.4	104163.0	116699.5	125457.2
-5°	17131.2	22499.1	27923.2	35040.1	44581.8	53702.1	64866.5	82307.0	101082.7	113749.9	122611.3
-7.5°	16458.0	21142.7	26074.2	32627.6	41356.2	51027.8	62998.2	79825.5	97567.3	110378.7	118407.9
-10°	15724.2	19748.7	25123.3	31728.5	40216.5	49436.9	60071.1	75637.1	93563.3	105889.8	115293.9
-12.5°	15500.7	19750.1	25163.7	30898.9	38706.4	47560.9	57699.6	70958.5	84698.7	97624.4	105871.4
-15°	15140.1	19452.5	24750.6	30144.7	37223.0	45750.7	54214.4	64012.9	75497.3	84837.0	93452.1
-17.5°	14433.3	18577.3	22558.9	27599.3	34488.4	42394.1	48807.1	56513.0	64798.8	71920.6	78419.0
-20°	12741.3	15559.5	19333.2	24086.3	29990.0	36391.6	42230.6	47790.3	53115.1	58540.7	62299.3



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9749.4	12455.7	15619.7	19567.9	24248.0	29826.9	34987.0	38752.5	42988.1	46894.9	50107.0
-25°	7129.7	9112.5	12065.6	15434.6	18488.8	22957.2	26917.2	29460.2	33178.1	36098.7	38879.1
-27.5°	5155.9	7097.7	9505.9	12168.0	14457.9	16858.4	20354.1	22782.5	25706.7	27946.2	30265.3
-30°	3519.1	5657.5	7876.9	10054.4	11796.6	13610.1	15547.2	17942.6	20290.1	22171.6	23847.0
-32.5°	2440.8	3990.3	6159.3	8188.1	9762.6	11145.4	12418.3	14238.0	15994.6	17526.0	18781.8
-35°	1495.3	2594.3	4096.4	6028.4	7692.8	9021.7	10195.6	11354.7	12478.5	13630.7	14601.5
-37.5°	1265.2	1527.5	2463.5	3793.7	5379.3	6858.2	8008.1	8965.1	9813.4	10690.3	11380.7
-40°	1118.0	1274.9	1509.9	1996.5	3216.1	4445.5	5685.3	6715.4	7648.3	8425.9	9030.3
-42.5°	1021.0	1126.0	1240.4	1431.2	1657.3	2259.9	3326.2	4365.8	5377.8	6226.3	6937.7
-45°	990.9	1043.6	1105.4	1207.6	1301.2	1484.5	1682.5	1887.5	2692.1	3545.7	4297.9
-47.5°	922.4	1006.8	1062.9	1106.8	1158.9	1241.8	1317.9	1414.7	1599.6	1782.8	1932.6
-50°	831.5	923.7	1001.3	1076.5	1129.6	1165.8	1193.5	1243.7	1317.3	1389.0	1446.8
-52.5°	721.5	810.9	901.1	992.4	1067.9	1137.7	1203.3	1248.7	1283.0	1312.3	1327.4
-55°	621.3	696.2	771.5	863.5	954.6	1042.1	1126.2	1197.8	1264.7	1327.0	1362.4
-57.5°	523.6	588.0	655.2	737.4	818.4	897.9	979.4	1062.0	1142.9	1218.4	1262.1
-60°	430.4	487.6	548.4	614.7	685.1	758.5	828.7	898.7	968.2	1029.7	1065.9
-62.5°	339.1	387.3	436.7	489.2	544.5	602.4	660.6	719.6	778.3	827.7	858.2
-65°	246.3	285.6	323.4	361.7	400.5	444.4	490.5	535.5	578.8	612.7	635.0
-67.5°	172.3	197.6	220.8	243.4	270.8	302.0	335.2	367.5	398.6	422.0	437.7
-70°	116.9	131.0	143.8	158.5	176.5	195.1	214.6	233.3	251.1	264.7	275.2
-72.5°	74.7	84.0	93.1	103.2	112.9	123.6	134.8	145.4	155.4	162.4	167.9
-75°	40.3	45.3	52.7	59.7	66.2	73.9	81.9	89.4	96.4	100.1	102.5
-77.5°	24.7	28.1	31.3	34.3	37.2	41.4	46.0	50.7	55.4	57.5	59.1
-80°	16.2	17.7	19.4	21.0	22.7	25.2	27.8	30.4	33.0	33.8	34.3
-82.5°	11.5	12.0	12.6	13.2	13.8	15.4	17.1	18.8	20.5	21.7	22.9
-85°	9.0	9.1	9.2	9.3	9.3	10.2	11.2	12.2	13.2	13.8	14.4
-87.5°	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8	8.3	8.8
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.4	2.9



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.7	11.7	10.7	9.7	10.7	11.7	10.7	9.7	8.8	7.8	7.3
87.5°	2.4	1.9	1.0	0.0	1.0	1.9	2.4	2.9	3.4	3.9	3.9
85°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.4	3.9	3.9
82.5°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.4	3.9	3.9
80°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.4	3.9	4.3
77.5°	2.4	1.9	2.9	3.9	2.9	1.9	2.4	2.9	3.5	4.0	4.5
75°	4.3	3.9	3.9	3.9	3.9	3.9	4.3	4.7	5.1	5.4	5.4
72.5°	5.7	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.9	6.2
70°	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.5	7.4	7.5	8.2
67.5°	10.8	11.5	11.7	11.7	11.7	11.5	10.8	10.1	9.5	9.5	10.4
65°	15.2	17.0	16.6	15.5	16.6	17.0	15.2	13.4	11.8	11.5	12.3
62.5°	16.1	17.2	17.5	17.5	17.5	17.2	16.1	14.9	13.5	13.1	13.5
60°	15.0	15.4	15.5	15.5	15.5	15.4	15.0	14.4	13.8	13.6	13.6
57.5°	14.8	15.3	15.5	15.5	15.5	15.3	14.8	14.2	13.7	13.9	13.9
55°	14.7	15.3	15.5	15.5	15.5	15.3	14.7	14.1	13.6	13.9	14.4
52.5°	17.1	17.3	17.5	17.5	17.5	17.3	17.1	16.6	15.9	15.2	14.4
50°	21.6	22.6	21.9	19.4	21.9	22.6	21.6	20.5	19.8	19.2	18.2
47.5°	28.8	27.8	27.1	27.2	27.1	27.8	28.8	28.8	28.1	26.6	23.7
45°	46.9	46.5	46.2	46.6	46.2	46.5	46.9	46.3	44.4	41.9	39.4
42.5°	84.6	84.8	83.5	81.6	83.5	84.8	84.6	81.8	79.3	68.5	56.2
40°	197.6	181.1	158.8	145.6	158.8	181.1	197.6	198.1	186.8	151.7	137.7
37.5°	445.2	458.1	459.4	450.5	459.4	458.1	445.2	424.8	402.6	370.0	338.3
35°	845.8	876.1	877.8	862.1	877.8	876.1	845.8	796.4	718.1	615.8	591.0
32.5°	1431.3	1499.4	1524.9	1518.5	1524.9	1499.4	1431.3	1433.2	1308.1	1154.3	1060.8
30°	2939.1	2959.5	2750.2	2367.0	2750.2	2959.5	2939.1	3176.9	2665.4	2451.4	2130.3
27.5°	8541.1	9329.4	9615.4	9489.4	9615.4	9329.4	8541.1	7878.9	6658.4	5763.6	4370.2
25°	15205.2	15724.6	16243.0	16303.1	16243.0	15724.6	15205.2	14775.6	13279.6	10909.9	8830.3
22.5°	22593.6	23331.8	24032.4	23872.2	24032.4	23331.8	22593.6	21354.5	19565.5	16921.3	14126.2
20°	31228.1	31737.1	32254.1	31682.0	32254.1	31737.1	31228.1	29379.7	26469.5	23249.6	19466.0
17.5°	42228.7	44625.5	46753.3	45790.9	46753.3	44625.5	42228.7	38437.9	34819.0	30146.6	25536.9
15°	57154.4	61326.2	63773.0	63643.6	63773.0	61326.2	57154.4	52102.5	46736.9	40731.7	35123.9
12.5°	74354.1	78713.8	81210.8	80694.3	81210.8	78713.8	74354.1	68422.1	60764.9	53551.6	46216.8
10°	89872.2	93295.6	96262.4	97424.6	96262.4	93295.6	89872.2	84490.2	76302.1	67064.4	56872.1
7.5°	103578.4	106129.1	108603.8	109046.1	108603.8	106129.1	103578.4	98330.4	89939.1	79464.2	67556.9
5°	114861.4	118475.1	119874.0	120428.8	119874.0	118475.1	114861.4	109582.5	101219.7	89732.7	76178.0
2.5°	123967.6	127273.2	129023.1	128506.5	129023.1	127273.2	123967.6	118676.4	109852.7	98346.6	82555.8
0°	129198.8	131815.3	133244.5	132902.7	133244.5	131815.3	129198.8	124850.2	116368.5	104745.1	86568.1
-2.5°	129714.4	131473.8	132591.7	132153.2	132591.7	131473.8	129714.4	125457.2	116699.5	104163.0	86324.4
-5°	126147.0	127578.8	128166.2	128417.2	128166.2	127578.8	126147.0	122611.3	113749.9	101082.7	82307.0
-7.5°	121231.7	123155.1	122862.6	123368.6	122862.6	123155.1	121231.7	118407.9	110378.7	97567.3	79825.5
-10°	118304.2	120079.3	119822.2	119958.9	119822.2	120079.3	118304.2	115293.9	105889.8	93563.3	75637.1
-12.5°	111201.1	113778.3	114174.0	114618.0	114174.0	113778.3	111201.1	105871.4	97624.4	84698.7	70958.5
-15°	99106.8	101938.6	103650.9	104036.3	103650.9	101938.6	99106.8	93452.1	84837.0	75497.3	64012.9
-17.5°	83821.6	87738.0	90491.3	91131.3	90491.3	87738.0	83821.6	78419.0	71920.6	64798.8	56513.0
-20°	66889.4	69692.8	71119.4	71888.3	71119.4	69692.8	66889.4	62299.3	58540.7	53115.1	47790.3



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	52648.0	54499.4	55294.3	55424.0	55294.3	54499.4	52648.0	50107.0	46894.9	42988.1	38752.5
-25°	41130.7	42392.6	42933.6	43732.6	42933.6	42392.6	41130.7	38879.1	36098.7	33178.1	29460.2
-27.5°	31918.8	33028.4	33523.2	34258.7	33523.2	33028.4	31918.8	30265.3	27946.2	25706.7	22782.5
-30°	24977.1	25645.5	25812.4	25848.9	25812.4	25645.5	24977.1	23847.0	22171.6	20290.1	17942.6
-32.5°	19756.9	20509.7	20959.2	21159.5	20959.2	20509.7	19756.9	18781.8	17526.0	15994.6	14238.0
-35°	15328.5	15824.7	16120.2	16452.6	16120.2	15824.7	15328.5	14601.5	13630.7	12478.5	11354.7
-37.5°	11917.4	12285.4	12488.9	12557.4	12488.9	12285.4	11917.4	11380.7	10690.3	9813.4	8965.1
-40°	9512.5	9877.8	10097.1	10130.2	10097.1	9877.8	9512.5	9030.3	8425.9	7648.3	6715.4
-42.5°	7478.1	7933.3	8227.8	8295.3	8227.8	7933.3	7478.1	6937.7	6226.3	5377.8	4365.8
-45°	4848.0	5271.7	5495.9	5481.6	5495.9	5271.7	4848.0	4297.9	3545.7	2692.1	1887.5
-47.5°	2028.3	2096.6	2126.0	2116.5	2126.0	2096.6	2028.3	1932.6	1782.8	1599.6	1414.7
-50°	1492.4	1531.2	1552.4	1557.3	1552.4	1531.2	1492.4	1446.8	1389.0	1317.3	1243.7
-52.5°	1340.2	1354.4	1359.4	1359.2	1359.4	1354.4	1340.2	1327.4	1312.3	1283.0	1248.7
-55°	1395.3	1426.5	1438.8	1438.9	1438.8	1426.5	1395.3	1362.4	1327.0	1264.7	1197.8
-57.5°	1301.9	1337.0	1353.2	1357.3	1353.2	1337.0	1301.9	1262.1	1218.4	1142.9	1062.0
-60°	1098.4	1126.6	1138.9	1141.8	1138.9	1126.6	1098.4	1065.9	1029.7	968.2	898.7
-62.5°	884.4	905.8	912.3	910.7	912.3	905.8	884.4	858.2	827.7	778.3	719.6
-65°	653.6	668.3	669.5	664.1	669.5	668.3	653.6	635.0	612.7	578.8	535.5
-67.5°	450.2	459.6	460.0	456.3	460.0	459.6	450.2	437.7	422.0	398.6	367.5
-70°	284.0	291.1	291.5	289.3	291.5	291.1	284.0	275.2	264.7	251.1	233.3
-72.5°	172.6	176.5	179.9	182.5	179.9	176.5	172.6	167.9	162.4	155.4	145.4
-75°	104.4	105.8	105.6	104.9	105.6	105.8	104.4	102.5	100.1	96.4	89.4
-77.5°	60.4	61.6	63.9	66.0	63.9	61.6	60.4	59.1	57.5	55.4	50.7
-80°	34.6	34.8	35.9	36.9	35.9	34.8	34.6	34.3	33.8	33.0	30.4
-82.5°	24.0	25.1	25.2	25.2	25.2	25.1	24.0	22.9	21.7	20.5	18.8
-85°	14.9	15.5	16.5	17.5	16.5	15.5	14.9	14.4	13.8	13.2	12.2
-87.5°	9.2	9.7	9.7	9.7	9.7	9.7	9.2	8.8	8.3	7.8	7.8
-90°	2.4	1.9	0.9	0.0	0.9	1.9	2.4	2.9	3.4	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8
85°	3.9	3.9	3.9	4.3	4.6	4.9	5.1	5.2	5.4	5.6	5.8
82.5°	3.9	3.9	3.9	4.4	4.9	5.4	5.8	5.8	5.8	5.8	5.8
80°	4.7	4.9	5.1	5.2	5.3	5.5	5.8	5.9	5.9	5.8	5.9
77.5°	4.9	5.4	5.8	5.8	5.8	5.8	5.9	6.4	6.7	6.9	6.9
75°	5.5	5.6	5.9	6.0	6.0	5.9	6.0	6.5	7.0	7.5	7.8
72.5°	6.5	6.6	6.7	7.0	7.2	7.3	7.6	8.0	8.1	8.0	7.8
70°	8.6	8.9	9.3	9.7	10.0	10.3	10.4	10.6	10.7	10.8	9.9
67.5°	11.2	11.9	13.3	14.7	15.4	15.6	15.3	14.2	13.8	13.7	12.3
65°	13.1	13.8	14.9	16.2	17.8	19.6	22.4	22.7	21.5	18.9	14.8
62.5°	14.2	15.3	16.0	16.6	17.8	20.8	26.6	29.8	30.8	27.4	20.8
60°	13.6	13.7	14.7	15.7	16.7	22.4	31.0	37.1	40.7	34.6	26.0
57.5°	13.8	13.8	14.3	14.9	15.4	22.9	33.1	44.0	50.7	39.9	29.9
55°	15.2	15.2	15.0	15.1	15.9	23.1	32.4	43.2	49.6	43.2	31.9
52.5°	13.7	14.9	15.6	15.6	17.0	22.3	29.5	39.6	42.7	37.7	31.0
50°	17.1	17.2	17.1	17.0	18.3	21.0	26.3	34.3	34.5	32.2	26.8
47.5°	22.6	22.2	21.1	20.5	20.9	21.0	24.1	27.9	30.0	27.5	23.5
45°	37.2	33.3	27.7	27.9	26.9	25.8	24.4	28.5	29.8	28.1	21.8
42.5°	62.1	57.3	48.2	45.1	40.0	36.7	32.9	34.9	35.7	32.7	29.6
40°	136.3	103.9	97.0	81.1	67.7	55.8	50.4	45.5	45.4	42.7	41.4
37.5°	298.9	257.8	224.6	168.9	133.7	92.1	76.6	64.6	57.0	61.5	59.1
35°	532.7	483.8	446.0	371.0	261.4	198.8	119.4	93.0	85.9	90.3	82.7
32.5°	818.3	828.8	753.6	655.2	567.6	397.7	255.2	139.7	153.5	145.6	119.5
30°	1817.2	1665.3	1250.6	1268.3	1268.2	812.1	471.6	368.5	274.5	226.8	172.2
27.5°	4222.0	3728.8	2862.8	2549.9	2535.2	1812.8	1090.2	752.1	481.5	355.7	262.5
25°	7834.3	6999.1	5588.2	4658.6	4194.8	3198.3	2008.8	1422.0	916.4	514.9	358.4
22.5°	11928.6	10409.6	8594.6	6813.0	5756.9	4259.4	2991.8	2243.2	1404.4	736.9	474.4
20°	16446.2	14086.7	11811.4	9554.4	7336.1	5220.9	3731.7	3059.7	2052.0	1040.9	585.6
17.5°	21915.2	18189.0	15758.1	12694.9	9677.7	6815.0	5240.4	4119.7	2863.4	1296.0	686.9
15°	28768.0	24817.2	21097.4	16788.9	12875.1	10011.0	7472.9	5523.0	3824.3	1783.5	915.1
12.5°	39508.2	33482.6	27644.9	21998.0	17497.0	13701.6	10337.8	7482.3	4946.8	2653.0	1287.1
10°	49270.7	41908.5	34536.3	28074.3	22536.0	17635.7	13012.7	9033.6	5923.7	3531.6	1693.9
7.5°	57221.6	48905.3	41064.3	33088.1	26318.7	20304.3	14859.5	10329.9	6750.3	4324.7	2117.4
5°	63598.4	53772.1	44809.9	35536.5	28693.1	22687.8	16518.0	11497.6	7431.3	5020.0	2536.7
2.5°	67563.8	56833.8	47509.0	37327.5	30433.3	24601.4	17961.9	12505.2	8007.5	5565.6	2902.3
0°	69896.1	58888.1	49284.1	38519.0	31417.9	25629.5	19149.8	13299.2	8473.9	5980.7	3221.4
-2.5°	69366.0	57468.4	47632.5	36784.1	29591.7	23877.9	17999.8	13001.3	8914.6	6071.0	3103.6
-5°	64866.5	53702.1	44581.8	35040.1	27923.2	22499.1	17131.2	12761.2	9150.7	6021.2	2923.6
-7.5°	62998.2	51027.8	41356.2	32627.6	26074.2	21142.7	16458.0	12610.6	9150.7	5938.2	2963.3
-10°	60071.1	49436.9	40216.5	31728.5	25123.3	19748.7	15724.2	12304.4	8961.1	5685.1	2893.2
-12.5°	57699.6	47560.9	38706.4	30898.9	25163.7	19750.1	15500.7	11922.2	8574.8	5258.5	2695.2
-15°	54214.4	45750.7	37223.0	30144.7	24750.6	19452.5	15140.1	11461.3	7742.9	4559.4	2355.7
-17.5°	48807.1	42394.1	34488.4	27599.3	22558.9	18577.3	14433.3	10403.6	6580.5	3654.4	1818.6
-20°	42230.6	36391.6	29990.0	24086.3	19333.2	15559.5	12741.3	8740.6	5277.5	2883.2	1613.3



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	34987.0	29826.9	24248.0	19567.9	15619.7	12455.7	9749.4	6590.5	3812.7	2038.5	1396.6
-25°	26917.2	22957.2	18488.8	15434.6	12065.6	9112.5	7129.7	4811.5	2798.9	1504.9	1183.6
-27.5°	20354.1	16858.4	14457.9	12168.0	9505.9	7097.7	5155.9	3250.4	1805.5	1286.6	1046.5
-30°	15547.2	13610.1	11796.6	10054.4	7876.9	5657.5	3519.1	2183.5	1383.2	1102.7	949.4
-32.5°	12418.3	11145.4	9762.6	8188.1	6159.3	3990.3	2440.8	1418.0	1152.5	1006.0	909.5
-35°	10195.6	9021.7	7692.8	6028.4	4096.4	2594.3	1495.3	1210.0	1032.3	931.4	884.7
-37.5°	8008.1	6858.2	5379.3	3793.7	2463.5	1527.5	1265.2	1080.4	952.9	904.7	836.1
-40°	5685.3	4445.5	3216.1	1996.5	1509.9	1274.9	1118.0	990.1	933.5	861.3	774.4
-42.5°	3326.2	2259.9	1657.3	1431.2	1240.4	1126.0	1021.0	965.4	894.0	800.0	692.1
-45°	1682.5	1484.5	1301.2	1207.6	1105.4	1043.6	990.9	913.7	824.8	718.3	602.5
-47.5°	1317.9	1241.8	1158.9	1106.8	1062.9	1006.8	922.4	835.3	733.8	628.7	532.5
-50°	1193.5	1165.8	1129.6	1076.5	1001.3	923.7	831.5	734.4	641.6	551.9	463.2
-52.5°	1203.3	1137.7	1067.9	992.4	901.1	810.9	721.5	640.4	558.2	476.2	397.6
-55°	1126.2	1042.1	954.6	863.5	771.5	696.2	621.3	548.4	474.6	399.9	338.2
-57.5°	979.4	897.9	818.4	737.4	655.2	588.0	523.6	456.6	395.2	337.5	280.9
-60°	828.7	758.5	685.1	614.7	548.4	487.6	430.4	375.7	324.0	273.2	222.8
-62.5°	660.6	602.4	544.5	489.2	436.7	387.3	339.1	293.5	250.1	207.8	170.1
-65°	490.5	444.4	400.5	361.7	323.4	285.6	246.3	213.1	183.0	152.8	122.3
-67.5°	335.2	302.0	270.8	243.4	220.8	197.6	172.3	146.4	126.8	109.9	91.4
-70°	214.6	195.1	176.5	158.5	143.8	131.0	116.9	102.4	88.1	75.4	62.2
-72.5°	134.8	123.6	112.9	103.2	93.1	84.0	74.7	64.7	54.7	44.6	36.1
-75°	81.9	73.9	66.2	59.7	52.7	45.3	40.3	36.3	32.1	27.8	23.3
-77.5°	46.0	41.4	37.2	34.3	31.3	28.1	24.7	21.7	19.7	18.0	16.6
-80°	27.8	25.2	22.7	21.0	19.4	17.7	16.2	15.0	14.0	13.4	12.9
-82.5°	17.1	15.4	13.8	13.2	12.6	12.0	11.5	11.2	10.9	10.5	10.2
-85°	11.2	10.2	9.3	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6
-87.5°	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.2
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.3	6.8	7.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	6.1	6.4	6.7	6.9	7.1	7.3	7.5	7.8	7.8	7.8	7.8
85°	6.3	6.8	7.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	6.3	6.8	7.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	6.4	6.9	7.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	6.9	7.1	7.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.7	7.7	7.9	7.9	7.8	7.8	7.9	8.0	7.8	7.8
72.5°	7.8	7.8	7.8	8.0	8.3	8.3	8.1	8.0	8.2	8.2	7.9
70°	8.8	8.0	7.8	8.1	8.6	9.0	8.9	8.6	8.5	8.6	8.4
67.5°	10.7	9.5	8.6	8.3	8.7	9.1	9.6	9.3	9.0	9.0	8.9
65°	13.1	11.3	9.6	9.2	9.0	9.2	9.7	9.7	9.4	9.3	9.4
62.5°	16.2	13.6	11.7	10.2	9.5	9.4	9.7	9.7	9.7	9.5	9.6
60°	19.6	15.3	13.5	11.8	10.3	9.6	9.7	9.7	9.7	9.7	9.7
57.5°	21.8	16.1	14.4	13.1	11.6	10.2	9.7	9.7	9.7	9.7	9.7
55°	22.7	16.7	15.3	13.9	12.5	11.1	10.0	9.7	9.7	9.7	9.7
52.5°	22.1	17.7	16.2	14.7	13.3	11.9	10.8	9.7	9.7	9.7	9.7
50°	19.6	18.8	17.2	15.5	13.9	12.6	11.5	10.3	9.7	9.7	9.7
47.5°	19.9	20.0	18.5	16.4	14.6	13.4	12.2	11.0	9.7	9.7	9.7
45°	22.6	21.4	20.2	17.8	15.4	14.1	12.9	11.6	10.3	9.8	9.7
42.5°	27.4	25.5	22.3	19.4	17.1	14.8	13.5	12.2	10.8	9.9	9.8
40°	37.9	32.1	26.1	24.0	19.5	15.6	14.1	12.8	11.4	10.2	9.9
37.5°	50.8	42.6	33.8	33.6	24.0	18.0	14.7	13.3	12.0	10.8	10.1
35°	70.2	56.5	49.8	47.9	36.3	20.7	15.3	13.8	12.7	11.3	10.4
32.5°	92.4	82.7	76.6	64.5	52.4	23.7	17.1	14.8	13.4	11.9	10.6
30°	135.7	129.9	111.2	82.8	70.7	38.4	20.1	15.9	14.2	12.4	11.0
27.5°	202.8	188.1	154.4	113.5	87.8	56.4	23.9	17.1	15.1	12.9	11.4
25°	274.2	250.1	211.0	152.6	105.9	75.3	28.0	18.6	16.0	13.6	11.8
22.5°	359.7	308.9	274.9	196.1	128.9	94.6	37.9	21.9	17.1	14.3	12.2
20°	438.4	364.9	343.4	239.1	161.5	112.8	53.3	25.3	18.3	14.9	12.5
17.5°	514.8	439.5	396.0	289.9	197.3	133.3	68.5	28.7	19.5	15.6	12.9
15°	658.7	543.4	457.6	341.3	231.0	155.6	83.2	32.0	20.7	16.3	13.1
12.5°	823.9	653.5	528.7	392.5	262.6	179.0	97.1	35.3	21.9	16.9	13.3
10°	994.8	767.6	606.7	442.6	291.9	202.9	110.1	39.7	23.7	17.5	13.4
7.5°	1167.4	883.1	688.4	490.3	324.7	239.3	140.2	46.9	25.6	18.0	13.5
5°	1325.5	991.7	774.4	565.3	387.3	288.4	173.7	54.2	27.5	18.5	13.5
2.5°	1423.4	1086.3	856.8	639.8	448.3	335.8	206.4	61.3	29.4	19.0	13.6
0°	1506.8	1172.8	932.1	708.7	506.8	380.6	236.9	68.0	31.1	19.4	13.6
-2.5°	1508.1	1175.4	957.4	774.3	571.6	428.6	274.2	87.9	42.6	24.6	15.4
-5°	1496.0	1171.8	979.8	834.0	631.8	472.3	306.4	106.5	53.6	29.6	17.1
-7.5°	1525.2	1183.9	1000.6	881.5	686.0	511.2	332.4	123.5	63.6	34.1	18.8
-10°	1545.1	1199.2	1014.1	878.9	686.4	522.3	347.4	138.2	72.5	38.1	20.3
-12.5°	1538.6	1202.3	1022.5	867.4	672.2	508.6	334.0	148.4	80.0	41.4	21.6
-15°	1502.8	1191.8	1025.7	846.3	652.1	492.1	318.1	155.5	86.3	44.5	22.6
-17.5°	1415.4	1166.7	1023.1	814.7	625.8	473.2	300.3	160.2	91.0	47.6	24.2
-20°	1282.5	1108.8	1009.0	772.1	593.1	452.3	281.5	162.3	93.9	49.6	25.9



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1158.4	1039.1	927.5	730.1	559.0	429.6	262.1	161.8	94.8	50.4	27.2
-25°	1033.6	974.0	843.8	674.6	529.4	401.0	251.1	158.5	93.5	49.9	27.9
-27.5°	949.5	905.8	767.5	617.6	492.8	373.7	246.1	156.7	91.1	48.0	27.9
-30°	887.9	824.0	700.7	563.0	452.5	336.8	237.5	152.1	88.8	46.9	27.3
-32.5°	850.6	754.4	634.8	516.0	409.2	299.2	218.7	144.4	84.6	46.2	26.9
-35°	798.4	689.8	569.8	465.1	365.1	271.4	195.5	133.7	78.2	44.6	26.2
-37.5°	741.9	622.5	511.3	413.8	320.9	241.3	174.3	118.0	69.8	42.0	24.9
-40°	665.0	555.0	453.4	365.6	283.2	209.0	151.9	103.3	64.3	38.4	23.2
-42.5°	584.8	490.4	401.4	318.3	245.6	183.0	129.2	87.9	57.7	35.3	20.9
-45°	513.6	428.0	350.3	277.1	207.6	156.0	111.4	73.0	50.4	32.0	18.9
-47.5°	443.6	371.5	302.3	235.1	177.3	130.0	93.0	64.1	42.6	28.1	17.7
-50°	382.0	317.8	256.7	199.2	147.1	109.2	76.1	54.7	37.0	23.2	16.4
-52.5°	328.3	269.1	214.6	163.7	122.9	87.8	65.0	45.1	30.9	20.3	14.9
-55°	277.9	222.3	173.4	133.6	99.1	73.1	53.3	37.6	24.4	18.2	13.3
-57.5°	227.1	175.6	138.9	106.0	80.4	59.8	43.0	29.7	20.8	15.9	13.0
-60°	176.5	139.7	107.3	84.6	64.8	47.3	33.4	23.0	18.1	14.0	12.6
-62.5°	135.2	105.6	85.2	66.4	49.9	35.7	24.4	19.6	15.2	13.5	12.2
-65°	101.5	82.2	64.4	49.4	35.7	25.5	20.5	16.2	14.1	12.9	11.7
-67.5°	73.9	59.1	45.0	32.2	25.4	20.6	16.3	14.7	13.5	12.4	11.2
-70°	49.1	36.6	29.0	24.0	19.5	16.0	14.9	14.0	12.9	11.8	10.7
-72.5°	30.5	25.4	20.9	17.1	15.9	14.8	14.0	13.3	12.3	11.2	10.2
-75°	19.2	17.5	16.2	15.1	14.2	13.6	13.1	12.5	11.6	10.6	10.0
-77.5°	15.5	14.5	13.7	13.3	13.0	12.6	12.3	11.8	11.0	10.3	9.9
-80°	12.6	12.4	12.3	12.2	12.0	11.7	11.4	11.0	10.5	10.0	9.8
-82.5°	10.3	10.6	10.9	11.1	10.9	10.7	10.5	10.2	9.9	9.7	9.5
-85°	9.0	9.3	9.7	10.0	9.8	9.7	9.6	9.4	9.3	9.1	8.9
-87.5°	7.6	8.1	8.5	8.9	8.8	8.7	8.7	8.6	8.5	8.4	8.4
-90°	5.8	5.8	5.8	5.8	6.3	6.8	7.3	7.8	7.8	7.8	7.8



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	7.9	7.8	7.8	7.8	7.8	7.8	7.8
67.5°	8.3	7.8	7.8	7.8	7.8	7.8	7.8
65°	8.8	8.0	7.8	7.8	7.8	7.8	7.8
62.5°	9.2	8.4	7.8	7.8	7.8	7.8	7.8
60°	9.7	8.7	7.8	7.8	7.8	7.8	7.8
57.5°	9.7	9.1	8.1	7.8	7.8	7.8	7.8
55°	9.7	9.4	8.3	7.8	7.8	7.8	7.8
52.5°	9.7	9.7	8.6	7.8	7.8	7.8	7.8
50°	9.7	9.7	8.9	7.8	7.8	7.8	7.8
47.5°	9.7	9.7	9.1	7.8	7.8	7.8	7.8
45°	9.7	9.7	9.4	8.0	7.8	7.8	7.8
42.5°	9.7	9.7	9.6	8.2	7.8	7.8	7.8
40°	9.7	9.7	9.7	8.3	7.8	7.8	7.8
37.5°	9.7	9.7	9.7	8.5	7.8	7.8	7.8
35°	9.7	9.7	9.7	8.5	7.8	7.8	7.8
32.5°	9.8	9.7	9.7	8.6	7.8	7.8	7.8
30°	10.0	9.7	9.7	8.7	7.8	7.8	7.8
27.5°	10.2	9.7	9.6	8.7	7.8	7.8	7.8
25°	10.4	9.7	9.6	8.7	7.8	7.8	7.8
22.5°	10.7	9.7	9.6	8.6	7.8	7.8	7.8
20°	10.9	9.7	9.6	8.6	7.8	7.8	7.8
17.5°	11.1	9.7	9.6	8.5	7.8	7.8	7.8
15°	11.3	9.7	9.6	8.5	7.8	7.8	7.8
12.5°	11.4	9.7	9.6	8.4	7.8	7.8	7.8
10°	11.5	9.7	9.6	8.3	7.8	7.8	7.8
7.5°	11.6	9.7	9.7	8.2	7.8	7.8	7.8
5°	11.7	9.7	9.7	8.0	7.8	7.8	7.8
2.5°	11.7	9.7	9.7	7.9	7.8	7.8	7.8
0°	11.7	9.7	9.7	7.8	7.8	7.8	7.8
-2.5°	12.5	10.1	9.7	7.9	7.8	7.8	7.8
-5°	13.2	10.5	9.7	8.0	7.8	7.8	7.8
-7.5°	13.9	10.9	9.7	8.2	7.8	7.8	7.8
-10°	14.5	11.3	9.6	8.3	7.8	7.8	7.8
-12.5°	15.1	11.6	9.6	8.4	7.8	7.8	7.8
-15°	15.6	11.8	9.6	8.5	7.8	7.8	7.8
-17.5°	16.0	12.0	9.6	8.5	7.8	7.8	7.8
-20°	16.5	12.0	9.6	8.6	7.8	7.8	7.8



REPORT NUMBER: P701596 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.1	12.0	9.6	8.6	7.8	7.8	7.8
-25°	17.4	12.0	9.6	8.7	7.8	7.8	7.8
-27.5°	17.4	11.8	9.6	8.7	7.8	7.8	7.8
-30°	17.1	11.6	9.7	8.7	7.8	7.8	7.8
-32.5°	16.5	11.4	9.8	8.6	7.8	7.8	7.8
-35°	16.0	11.0	9.9	8.5	7.8	7.8	7.8
-37.5°	15.5	10.7	10.0	8.5	7.8	7.8	7.8
-40°	14.9	10.8	10.0	8.3	7.8	7.8	7.8
-42.5°	14.1	10.9	9.9	8.2	7.8	7.8	7.8
-45°	13.3	10.9	9.8	8.1	7.8	7.8	7.8
-47.5°	12.3	10.9	9.6	7.9	7.8	7.8	7.8
-50°	12.1	10.8	9.4	7.9	7.8	7.8	7.8
-52.5°	11.9	10.7	9.2	8.0	7.8	7.8	7.8
-55°	11.8	10.5	9.0	8.0	7.8	7.8	7.8
-57.5°	11.5	10.2	8.7	8.1	7.8	7.8	7.8
-60°	11.3	9.9	8.5	8.1	7.8	7.8	7.8
-62.5°	10.9	9.5	8.5	8.1	7.8	7.8	7.8
-65°	10.5	9.2	8.6	8.1	7.8	7.8	7.8
-67.5°	10.0	9.0	8.6	8.2	7.8	7.8	7.8
-70°	9.6	9.1	8.6	8.2	7.8	7.8	7.8
-72.5°	9.6	9.1	8.7	8.2	7.8	7.8	7.8
-75°	9.6	9.1	8.7	8.1	7.8	7.8	7.8
-77.5°	9.6	9.2	8.6	8.1	7.8	7.8	7.8
-80°	9.7	9.0	8.4	8.0	7.8	7.8	7.8
-82.5°	9.3	8.7	8.3	8.0	7.8	7.8	7.8
-85°	8.8	8.4	8.1	7.9	7.8	7.8	7.8
-87.5°	8.3	8.1	8.0	7.9	7.8	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(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

