

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: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-5S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701572 (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-57-70-5S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

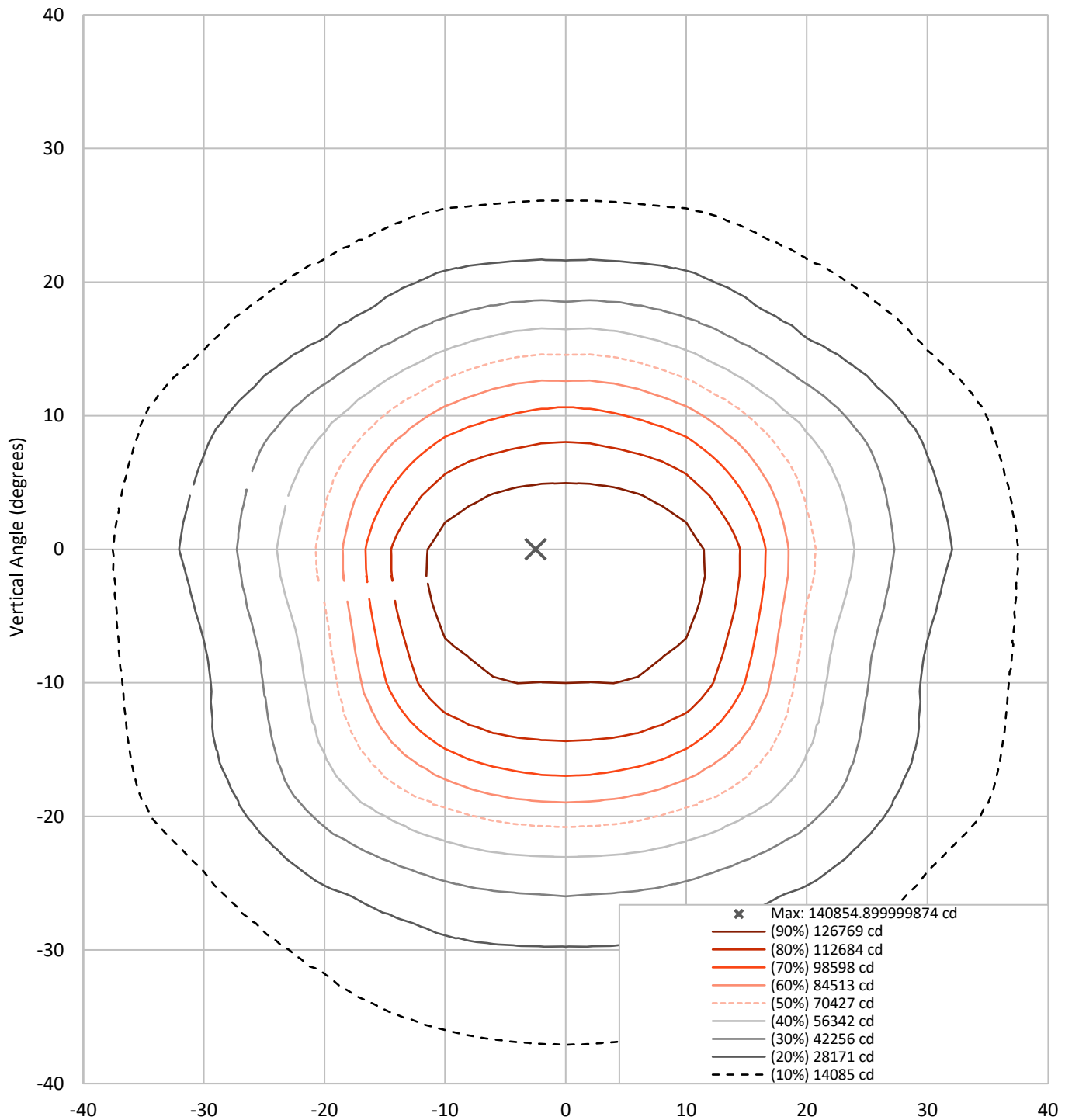
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	69515.8 lumens	Max Intensity:	140854.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	105.6 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:	38235.1 lumens	Field Lumens:	63684.4 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





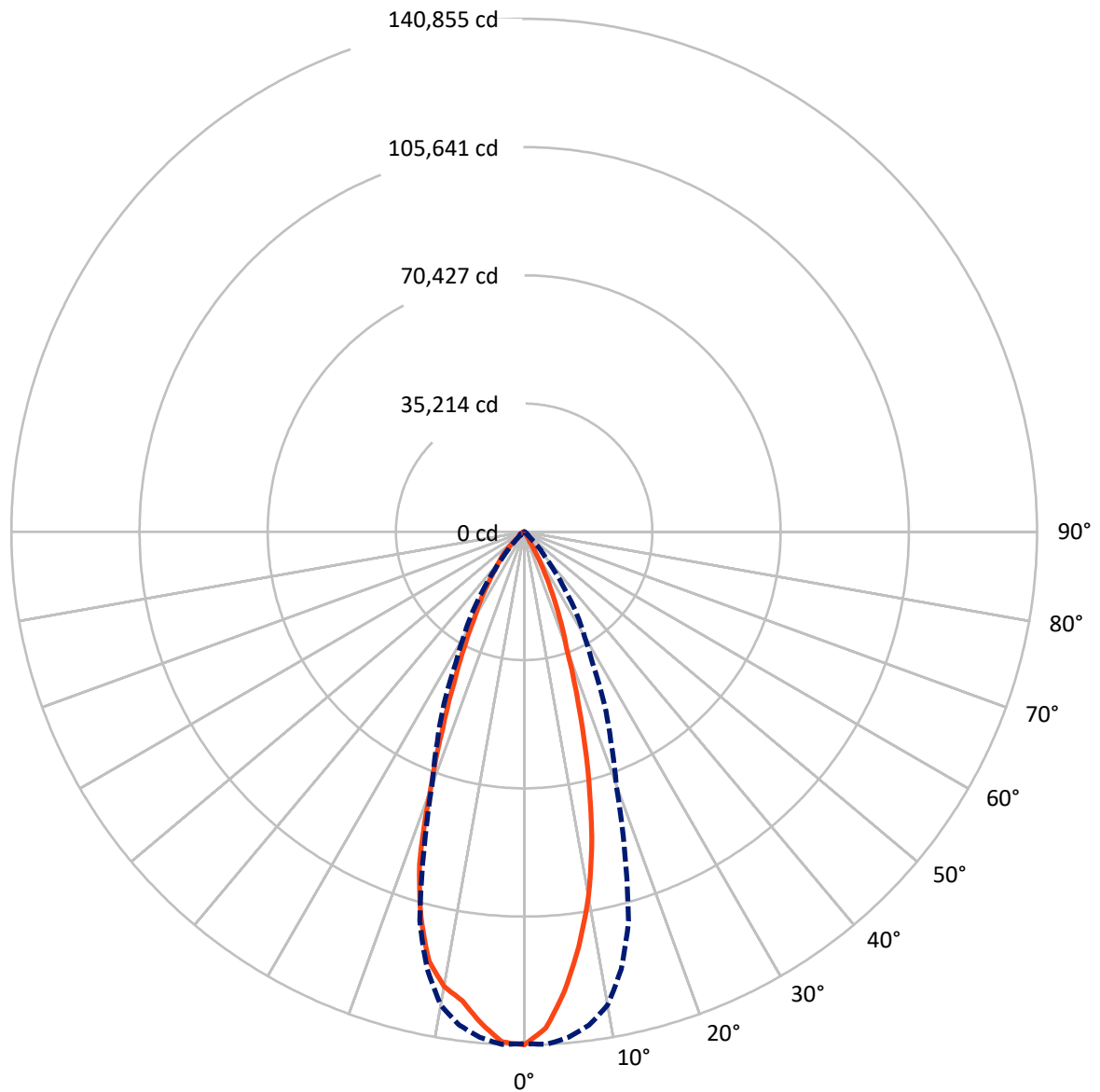
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Lumen Table

90	0.2		0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2	
80	0.2		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	5.6	15.6	27.0	34.5	34.5	27.0	15.6	5.6	2.1	0.9	0.2			
30	0.2	0.4	3.0	10.6	61.7	177.5	360.7	520.8	520.8	360.7	177.5	61.7	10.6	3.0	0.4	0.2		
20		0.8	6.6	34.6	219.5	643.4	1318.7	1948.3	1948.3	1318.7	643.4	219.5	34.6	6.6	0.8			
10	0.3	1.5	11.2	75.3	451.6	1290.1	2701.1	3686.5	3686.5	2701.1	1290.1	451.6	75.3	11.2	1.5	0.3		
0		2.6	15.2	91.1	472.9	1321.0	3031.3	4040.3	4040.3	3031.3	1321.0	472.9	91.1	15.2	2.6			
-10	0.4	3.0	15.7	73.1	401.5	1087.6	2290.4	3154.1	3154.1	2290.4	1087.6	401.5	73.1	15.7	3.0	0.4		
-20		2.6	12.8	34.3	201.4	582.0	1070.3	1405.4	1405.4	1070.3	582.0	201.4	34.3	12.8	2.6			
-30	0.4	2.0	8.8	20.0	58.8	219.3	403.5	526.4	526.4	403.5	219.3	58.8	20.0	8.8	2.0	0.4		
-40		1.2	5.3	14.1	26.0	48.7	109.7	165.5	165.5	109.7	48.7	26.0	14.1	5.3	1.2			
-50	0.2	0.6	2.7	7.9	16.5	27.3	37.4	43.3	43.3	37.4	27.3	16.5	7.9	2.7	0.6	0.2		
-60		0.3	1.0	3.1	6.9	12.1	18.2	21.7	21.7	18.2	12.1	6.9	3.1	1.0	0.3			
-70	0.2	0.6	2.7	7.9	16.5	27.3	37.4	43.3	43.3	37.4	27.3	16.5	7.9	2.7	0.6	0.2		
-80		0.3	1.0	3.1	6.9	12.1	18.2	21.7	21.7	18.2	12.1	6.9	3.1	1.0	0.3			
-90	0.2		0.8		2.5		6.6		9.2		6.6		2.5		0.8		0.2	

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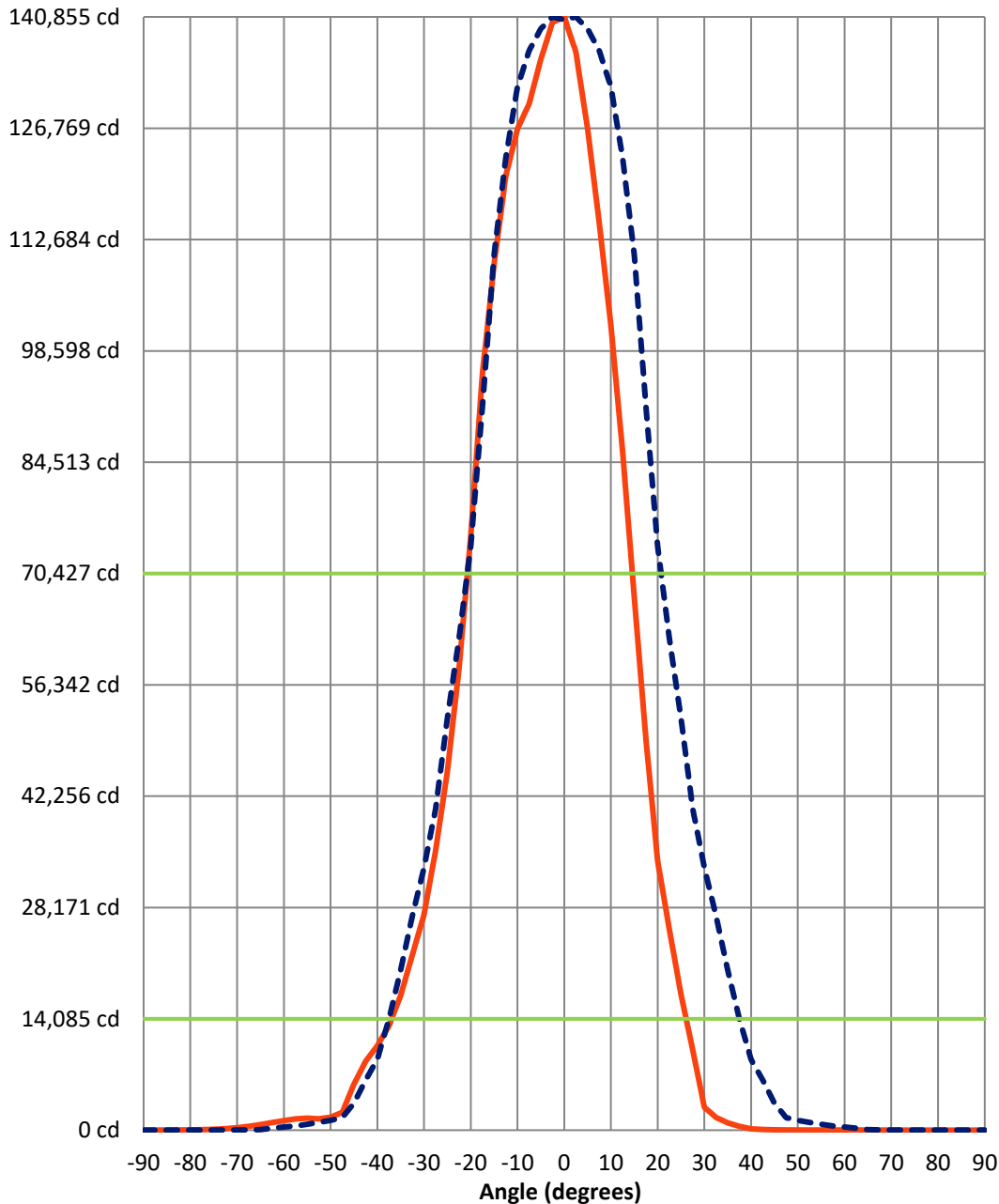
Luminous Intensity Polar Plot



— 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: 38235.1
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 63684.4
 Efficiency: 91.6%

Spill:
 Lumens: 5831.4
 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°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.4	8.3
72.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.6	8.7	8.4
70°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.8	9.1	9.0	9.1
67.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.8	9.4	9.6	9.5	9.8
65°	8.2	8.2	8.2	8.2	8.2	8.4	9.3	9.9	9.8	10.0	10.3
62.5°	8.2	8.2	8.2	8.2	8.2	8.8	9.8	10.2	10.1	10.3	10.3
60°	8.2	8.2	8.2	8.2	8.2	9.2	10.2	10.3	10.3	10.3	10.3
57.5°	8.2	8.2	8.2	8.2	8.5	9.6	10.3	10.3	10.3	10.3	10.3
55°	8.2	8.2	8.2	8.2	8.8	10.0	10.3	10.3	10.3	10.3	10.3
52.5°	8.2	8.2	8.2	8.2	9.1	10.3	10.3	10.3	10.3	10.3	10.3
50°	8.2	8.2	8.2	8.2	9.4	10.3	10.3	10.3	10.3	10.3	10.9
47.5°	8.2	8.2	8.2	8.2	9.7	10.3	10.3	10.3	10.3	10.3	11.6
45°	8.2	8.2	8.2	8.4	9.9	10.3	10.3	10.3	10.4	10.9	12.2
42.5°	8.2	8.2	8.2	8.6	10.2	10.3	10.3	10.4	10.5	11.4	12.9
40°	8.2	8.2	8.2	8.8	10.3	10.3	10.3	10.5	10.8	12.0	13.5
37.5°	8.2	8.2	8.2	8.9	10.3	10.3	10.3	10.7	11.4	12.6	14.1
35°	8.2	8.2	8.2	9.0	10.3	10.3	10.3	11.0	12.0	13.4	14.6
32.5°	8.2	8.2	8.2	9.1	10.3	10.3	10.4	11.2	12.5	14.2	15.6
30°	8.2	8.2	8.2	9.1	10.3	10.3	10.6	11.6	13.1	15.0	16.8
27.5°	8.2	8.2	8.2	9.2	10.2	10.3	10.8	12.0	13.7	15.9	18.1
25°	8.2	8.2	8.2	9.2	10.2	10.3	11.0	12.5	14.4	17.0	19.7
22.5°	8.2	8.2	8.2	9.1	10.2	10.3	11.3	12.9	15.1	18.1	23.2
20°	8.2	8.2	8.2	9.1	10.1	10.3	11.5	13.3	15.8	19.3	26.7
17.5°	8.2	8.2	8.2	9.0	10.1	10.3	11.7	13.6	16.5	20.6	30.3
15°	8.2	8.2	8.2	8.9	10.2	10.3	11.9	13.9	17.2	21.9	33.9
12.5°	8.2	8.2	8.2	8.8	10.2	10.3	12.0	14.0	17.8	23.1	37.3
10°	8.2	8.2	8.2	8.7	10.2	10.3	12.1	14.2	18.5	25.0	42.0
7.5°	8.2	8.2	8.2	8.6	10.2	10.3	12.2	14.3	19.1	27.0	49.5
5°	8.2	8.2	8.2	8.5	10.3	10.3	12.3	14.3	19.6	29.1	57.2
2.5°	8.2	8.2	8.2	8.3	10.3	10.3	12.3	14.4	20.1	31.0	64.8
0°	8.2	8.2	8.2	8.2	10.3	10.3	12.3	14.4	20.1	31.0	64.8
-2.5°	8.2	8.2	8.2	8.3	10.3	10.8	13.1	16.3	26.0	45.0	92.9
-5°	8.2	8.2	8.2	8.5	10.3	11.2	13.9	18.2	31.3	56.6	112.6
-7.5°	8.2	8.2	8.2	8.6	10.2	11.6	14.6	19.9	36.1	67.2	130.5
-10°	8.2	8.2	8.2	8.7	10.2	12.0	15.3	21.5	40.3	76.7	146.1
-12.5°	8.2	8.2	8.2	8.8	10.2	12.3	15.9	22.8	43.8	84.6	156.9
-15°	8.2	8.2	8.2	8.9	10.2	12.5	16.5	24.0	47.1	91.3	164.4
-17.5°	8.2	8.2	8.2	9.0	10.1	12.7	16.9	25.6	50.4	96.3	169.3
-20°	8.2	8.2	8.2	9.1	10.1	12.8	17.4	27.5	52.5	99.3	171.6



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	8.2	8.2	9.1	10.2	12.7	18.0	28.8	53.3	100.2	171.1
-25°	8.2	8.2	8.2	9.2	10.2	12.7	18.4	29.5	52.8	98.9	167.6
-27.5°	8.2	8.2	8.2	9.2	10.2	12.5	18.4	29.5	50.7	96.3	165.6
-30°	8.2	8.2	8.2	9.1	10.3	12.3	18.1	28.9	49.6	93.9	160.8
-32.5°	8.2	8.2	8.2	9.1	10.4	12.0	17.4	28.4	48.9	89.4	152.7
-35°	8.2	8.2	8.2	9.0	10.5	11.6	16.9	27.7	47.2	82.7	141.3
-37.5°	8.2	8.2	8.2	8.9	10.6	11.4	16.4	26.4	44.4	73.8	124.7
-40°	8.2	8.2	8.2	8.8	10.6	11.5	15.7	24.5	40.6	67.9	109.2
-42.5°	8.2	8.2	8.2	8.7	10.5	11.5	15.0	22.1	37.3	61.0	92.9
-45°	8.2	8.2	8.2	8.5	10.3	11.5	14.1	20.0	33.8	53.2	77.1
-47.5°	8.2	8.2	8.2	8.4	10.1	11.5	13.0	18.7	29.7	45.0	67.8
-50°	8.2	8.2	8.2	8.4	9.9	11.4	12.8	17.3	24.5	39.1	57.9
-52.5°	8.2	8.2	8.2	8.4	9.7	11.3	12.6	15.7	21.4	32.6	47.7
-55°	8.2	8.2	8.2	8.4	9.5	11.1	12.4	14.1	19.2	25.8	39.8
-57.5°	8.2	8.2	8.2	8.5	9.2	10.7	12.2	13.8	16.8	22.0	31.4
-60°	8.2	8.2	8.2	8.5	9.0	10.4	11.9	13.3	14.8	19.1	24.3
-62.5°	8.2	8.2	8.2	8.5	9.0	10.1	11.5	12.8	14.2	16.1	20.8
-65°	8.2	8.2	8.2	8.6	9.1	9.7	11.0	12.3	13.7	14.9	17.1
-67.5°	8.2	8.2	8.2	8.6	9.1	9.6	10.6	11.8	13.1	14.3	15.5
-70°	8.2	8.2	8.2	8.6	9.1	9.6	10.2	11.3	12.5	13.6	14.8
-72.5°	8.2	8.2	8.2	8.6	9.2	9.7	10.2	10.8	11.9	12.9	14.0
-75°	8.2	8.2	8.2	8.6	9.2	9.7	10.2	10.6	11.2	12.2	13.2
-77.5°	8.2	8.2	8.2	8.5	9.1	9.7	10.2	10.5	10.9	11.6	12.4
-80°	8.2	8.2	8.2	8.5	8.9	9.5	10.3	10.4	10.6	11.1	11.6
-82.5°	8.2	8.2	8.2	8.4	8.7	9.2	9.8	10.1	10.3	10.5	10.8
-85°	8.2	8.2	8.2	8.3	8.6	8.9	9.3	9.5	9.6	9.8	10.0
-87.5°	8.2	8.2	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.1
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



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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°	8.2	8.2	8.2	8.2	7.7	7.2	6.7	6.2	6.2	6.2	6.2
87.5°	7.9	7.7	7.5	7.3	7.1	6.8	6.5	6.2	5.7	5.2	4.6
85°	8.2	8.2	8.2	8.2	7.7	7.2	6.7	6.2	5.9	5.7	5.6
82.5°	8.2	8.2	8.2	8.2	7.7	7.2	6.7	6.2	6.2	6.2	6.2
80°	8.2	8.2	8.2	8.2	7.8	7.3	6.8	6.3	6.2	6.3	6.3
77.5°	8.2	8.2	8.2	8.2	7.8	7.5	7.3	7.3	7.3	7.1	6.8
75°	8.2	8.2	8.3	8.3	8.1	8.1	8.2	8.2	7.9	7.4	6.9
72.5°	8.5	8.8	8.8	8.5	8.2	8.2	8.2	8.2	8.4	8.6	8.4
70°	9.4	9.5	9.1	8.5	8.2	8.4	9.3	10.4	11.4	11.3	11.2
67.5°	10.2	9.7	9.1	8.8	9.0	10.0	11.3	13.0	14.5	14.5	15.0
65°	10.2	9.7	9.5	9.7	10.2	12.0	13.8	15.7	20.0	22.7	24.0
62.5°	10.3	10.0	10.1	10.8	12.4	14.3	17.1	22.0	28.9	32.6	31.6
60°	10.3	10.2	11.0	12.5	14.3	16.2	20.7	27.5	36.6	43.1	39.2
57.5°	10.3	10.8	12.2	13.8	15.2	17.0	23.1	31.7	42.2	53.6	46.5
55°	10.6	11.7	13.2	14.7	16.2	17.7	24.0	33.7	45.6	52.5	45.7
52.5°	11.4	12.5	14.0	15.6	17.1	18.7	23.4	32.8	39.8	45.2	41.8
50°	12.1	13.3	14.8	16.4	18.2	19.9	20.7	28.3	34.0	36.4	36.2
47.5°	12.9	14.2	15.5	17.3	19.6	21.1	21.0	24.8	29.0	31.7	29.5
45°	13.6	15.0	16.3	18.9	21.3	22.7	23.9	23.0	29.7	31.4	30.1
42.5°	14.3	15.7	18.1	20.5	23.6	27.0	28.9	31.3	34.6	37.7	36.9
40°	15.0	16.5	20.6	25.4	27.7	33.9	40.1	43.8	45.2	48.0	48.0
37.5°	15.6	19.0	25.4	35.6	35.7	45.0	53.7	62.5	65.1	60.2	68.3
35°	16.2	21.9	38.5	50.7	52.7	59.8	74.2	87.5	95.4	90.8	98.3
32.5°	18.1	25.1	55.4	68.2	81.0	87.4	97.7	126.4	153.9	162.3	147.8
30°	21.3	40.6	74.8	87.5	117.5	137.3	143.5	182.1	239.7	290.1	389.6
27.5°	25.3	59.6	92.8	120.0	163.2	198.8	214.4	277.5	376.0	509.0	795.0
25°	29.7	79.6	112.0	161.3	223.0	264.4	289.9	378.8	544.2	968.7	1503.2
22.5°	40.1	100.0	136.2	207.3	290.6	326.5	380.2	501.4	779.0	1484.5	2371.3
20°	56.4	119.3	170.8	252.7	362.9	385.8	463.5	619.1	1100.4	2169.1	3234.5
17.5°	72.4	140.9	208.6	306.4	418.6	464.6	544.2	726.2	1370.0	3026.9	4355.0
15°	87.9	164.5	244.2	360.8	483.7	574.4	696.4	967.4	1885.3	4042.7	5838.4
12.5°	102.7	189.3	277.6	414.9	558.9	690.8	870.9	1360.6	2804.5	5229.2	7909.6
10°	116.4	214.5	308.6	467.8	641.4	811.5	1051.6	1790.7	3733.3	6262.0	9549.5
7.5°	148.2	252.9	343.2	518.3	727.7	933.5	1234.1	2238.3	4571.7	7135.9	10919.9
5°	183.6	304.8	409.4	597.6	818.6	1048.4	1401.2	2681.6	5306.8	7855.8	12154.2
2.5°	218.2	354.9	473.9	676.3	905.8	1148.3	1504.7	3068.1	5883.5	8464.9	13219.4
0°	250.4	402.3	535.7	749.2	985.3	1239.8	1592.9	3405.4	6322.3	8957.9	14058.8
-2.5°	289.8	453.0	604.3	818.5	1012.1	1242.5	1594.3	3280.8	6417.7	9423.8	13743.9
-5°	323.9	499.3	667.8	881.6	1035.8	1238.7	1581.5	3090.5	6365.0	9673.3	13490.1
-7.5°	351.3	540.4	725.2	931.8	1057.8	1251.5	1612.3	3132.5	6277.3	9673.3	13330.9
-10°	367.2	552.2	725.6	929.1	1072.0	1267.7	1633.4	3058.4	6009.8	9473.0	13007.2
-12.5°	353.0	537.6	710.6	917.0	1080.9	1270.9	1626.5	2849.1	5558.8	9064.7	12603.2
-15°	336.2	520.1	689.3	894.6	1084.2	1259.9	1588.6	2490.2	4819.7	8185.2	12115.9
-17.5°	317.5	500.2	661.5	861.2	1081.5	1233.3	1496.2	1922.5	3863.1	6956.4	10997.8
-20°	297.6	478.1	627.0	816.2	1066.7	1172.1	1355.8	1705.5	3047.9	5578.9	9239.8



REPORT NUMBER: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	277.1	454.1	591.0	771.8	980.5	1098.4	1224.6	1476.4	2154.9	4030.5	6966.9
-25°	265.5	423.9	559.6	713.2	892.1	1029.6	1092.6	1251.2	1590.8	2958.8	5086.3
-27.5°	260.2	395.1	520.9	652.9	811.4	957.5	1003.7	1106.3	1360.1	1908.6	3436.1
-30°	251.1	356.0	478.4	595.2	740.7	871.0	938.6	1003.6	1165.7	1462.2	2308.2
-32.5°	231.2	316.3	432.6	545.4	671.1	797.4	899.2	961.5	1063.5	1218.4	1499.0
-35°	206.7	286.9	386.0	491.7	602.4	729.2	843.9	935.2	984.6	1091.3	1279.1
-37.5°	184.3	255.1	339.3	437.4	540.5	658.0	784.3	883.8	956.4	1007.5	1142.1
-40°	160.6	221.0	299.4	386.5	479.3	586.7	702.9	818.6	910.5	986.9	1046.7
-42.5°	136.5	193.4	259.6	336.5	424.3	518.4	618.2	731.7	845.7	945.1	1020.6
-45°	117.8	164.8	219.4	292.9	370.3	452.5	542.9	636.9	759.3	871.9	965.8
-47.5°	98.3	137.4	187.4	248.5	319.6	392.7	468.9	562.9	664.6	775.8	883.0
-50°	80.5	115.4	155.5	210.5	271.4	335.9	403.7	489.7	583.4	678.2	776.3
-52.5°	68.7	92.8	129.9	173.0	226.8	284.5	347.0	420.3	503.4	590.1	677.0
-55°	56.3	77.3	104.8	141.1	183.3	235.0	293.8	357.5	422.7	501.7	579.7
-57.5°	45.5	63.3	85.0	112.0	146.8	185.6	240.1	296.8	356.7	417.8	482.7
-60°	35.3	50.0	68.5	89.4	113.4	147.6	186.6	235.5	288.8	342.4	397.1
-62.5°	25.8	37.8	52.8	70.2	90.0	111.5	142.9	179.9	219.7	264.4	310.3
-65°	21.7	26.9	37.7	52.2	68.1	86.9	107.3	129.3	161.6	193.5	225.2
-67.5°	17.3	21.8	26.9	34.0	47.6	62.4	78.1	96.6	116.2	134.0	154.8
-70°	15.8	17.0	20.6	25.3	30.6	38.7	51.9	65.7	79.6	93.1	108.2
-72.5°	14.8	15.7	16.8	18.1	22.0	26.8	32.2	38.2	47.2	57.8	68.4
-75°	13.9	14.3	15.1	16.0	17.2	18.5	20.3	24.7	29.4	34.0	38.4
-77.5°	12.9	13.3	13.7	14.1	14.5	15.4	16.4	17.5	19.0	20.8	22.9
-80°	12.0	12.3	12.6	12.9	13.0	13.1	13.3	13.7	14.2	14.9	15.9
-82.5°	11.1	11.3	11.5	11.7	11.5	11.2	10.9	10.8	11.2	11.5	11.8
-85°	10.1	10.3	10.4	10.6	10.2	9.9	9.5	9.1	9.2	9.3	9.4
-87.5°	9.2	9.2	9.3	9.4	9.0	8.5	8.1	7.6	7.7	7.7	7.8
-90°	7.7	7.2	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6



REPORT NUMBER: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-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	7.2	7.7	8.2	9.2	10.2
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	7.7	7.6	7.4	7.1	7.0	6.9	6.6	6.3	6.1	6.1
70°	11.0	10.8	10.5	10.2	9.8	9.4	9.1	8.6	8.0	7.8	7.9
67.5°	16.1	16.4	16.2	15.5	14.0	12.5	11.8	11.0	10.1	10.1	10.7
65°	23.7	20.7	18.8	17.2	15.8	14.6	13.8	13.0	12.2	12.4	14.2
62.5°	28.1	22.0	18.8	17.6	16.9	16.2	15.0	14.3	13.9	14.3	15.7
60°	32.7	23.7	17.7	16.6	15.5	14.5	14.4	14.4	14.4	14.6	15.2
57.5°	35.0	24.3	16.3	15.7	15.2	14.6	14.6	14.8	14.7	14.5	15.0
55°	34.3	24.4	16.8	16.0	15.9	16.1	16.1	15.3	14.7	14.4	15.0
52.5°	31.2	23.5	18.0	16.5	16.5	15.7	14.5	15.2	16.1	16.8	17.5
50°	27.8	22.1	19.3	18.0	18.0	18.1	18.1	19.2	20.2	20.9	21.7
47.5°	25.5	22.2	22.1	21.7	22.3	23.4	23.9	25.0	28.1	29.7	30.4
45°	25.7	27.3	28.4	29.5	29.4	35.2	39.3	41.6	44.3	46.9	48.9
42.5°	34.7	38.7	42.3	47.7	50.9	60.6	65.6	59.3	72.4	83.8	86.5
40°	53.2	59.0	71.6	85.7	102.6	109.9	144.1	145.5	160.4	197.5	209.5
37.5°	81.0	97.4	141.3	178.5	237.5	272.6	316.0	357.7	391.2	425.6	449.1
35°	126.2	210.2	276.3	392.2	471.5	511.5	563.1	624.8	650.9	759.1	841.9
32.5°	269.8	420.4	600.0	692.6	796.6	876.1	865.0	1121.4	1220.2	1382.8	1515.1
30°	498.5	858.5	1340.6	1340.7	1322.0	1760.4	1921.0	2252.0	2591.5	2817.6	3358.4
27.5°	1152.4	1916.3	2680.0	2695.4	3026.3	3941.8	4463.1	4619.8	6092.8	7038.7	8328.9
25°	2123.6	3380.9	4434.4	4924.6	5907.4	7398.8	8281.8	9334.6	11533.0	14038.0	15619.5
22.5°	3162.7	4502.6	6085.7	7202.2	9085.5	11004.1	12609.9	14933.1	17887.7	20683.0	22574.2
20°	3944.9	5519.1	7755.1	10100.1	12486.0	14891.2	17385.6	20577.8	24577.5	27981.4	31057.8
17.5°	5539.7	7204.2	10230.4	13419.9	16658.2	19227.9	23166.9	26995.5	31868.5	36807.7	40633.3
15°	7899.8	10582.8	13610.4	17747.8	22302.4	26234.7	30411.1	37130.0	43058.1	49406.4	55078.4
12.5°	10928.3	14484.1	18496.3	23254.5	29223.9	35395.1	41764.7	48856.5	56610.2	64235.6	72330.1
10°	13756.0	18643.0	23823.1	29677.8	36508.9	44302.2	52084.9	60120.3	70894.9	80660.2	89315.9
7.5°	15708.3	21464.0	27821.9	34978.0	43409.7	51698.5	60489.9	71415.4	84002.9	95076.1	103946.7
5°	17461.5	23983.7	30332.0	37566.2	47369.2	56843.4	67230.8	80528.9	94857.9	107001.0	115841.4
2.5°	18987.8	26006.5	32171.6	39459.5	50222.6	60079.9	71422.8	87271.1	103963.8	116127.0	125454.8
0°	20243.5	27093.3	33212.4	40719.0	52099.1	62251.6	73888.2	91512.5	110727.7	123015.0	131981.1
-2.5°	19027.9	25241.8	31281.8	38885.0	50353.1	60750.7	73327.9	91254.9	110112.3	123364.9	132622.8
-5°	18109.7	23784.2	29518.0	37041.5	47128.1	56769.3	68571.4	87008.1	106856.2	120246.9	129614.4
-7.5°	17398.0	22350.3	27563.5	34491.2	43718.3	53942.3	66596.4	84384.8	103140.0	116683.1	125170.9
-10°	16622.3	20876.6	26558.2	33540.7	42513.5	52260.5	63502.1	79957.2	98907.3	111937.8	121879.1
-12.5°	16386.0	20878.1	26601.0	32663.7	40917.1	50277.3	60995.2	75011.4	89536.4	103200.3	111918.4
-15°	16004.9	20563.5	26164.2	31866.5	39349.0	48363.8	57310.9	67669.0	79809.4	89682.5	98789.7
-17.5°	15257.7	19638.3	23847.4	29175.7	36458.2	44815.5	51594.8	59740.8	68499.8	76028.5	82898.0
-20°	13469.0	16448.1	20437.4	25462.0	31703.0	38470.1	44642.6	50519.9	56148.8	61884.4	65857.6



REPORT NUMBER: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10306.3	13167.1	16511.8	20685.5	25633.0	31530.6	36985.3	40965.9	45443.4	49573.3	52968.9
-25°	7536.9	9632.9	12754.8	16316.2	19544.8	24268.5	28454.6	31142.9	35073.1	38160.5	41099.7
-27.5°	5450.4	7503.1	10048.8	12863.0	15283.7	17821.3	21516.7	24083.7	27174.9	29542.3	31993.9
-30°	3720.1	5980.6	8326.8	10628.7	12470.4	14387.5	16435.3	18967.4	21449.0	23438.0	25209.0
-32.5°	2580.2	4218.2	6511.1	8655.8	10320.2	11782.0	13127.6	15051.2	16908.2	18527.0	19854.5
-35°	1580.7	2742.5	4330.4	6372.7	8132.2	9537.0	10777.9	12003.2	13191.2	14409.3	15435.5
-37.5°	1337.4	1614.7	2604.2	4010.4	5686.6	7249.9	8465.5	9477.2	10374.0	11301.0	12030.7
-40°	1181.9	1347.7	1596.1	2110.6	3399.8	4699.4	6010.0	7098.9	8085.1	8907.1	9546.1
-42.5°	1079.4	1190.3	1311.2	1513.0	1752.0	2389.0	3516.2	4615.1	5684.8	6581.9	7333.9
-45°	1047.5	1103.2	1168.6	1276.6	1375.5	1569.3	1778.6	1995.3	2845.8	3748.2	4543.4
-47.5°	975.1	1064.3	1123.6	1170.0	1225.2	1312.8	1393.2	1495.5	1691.0	1884.7	2043.0
-50°	879.0	976.5	1058.5	1137.9	1194.1	1232.4	1261.7	1314.8	1392.6	1468.3	1529.4
-52.5°	762.7	857.2	952.5	1049.1	1128.9	1202.7	1272.0	1320.0	1356.3	1387.3	1403.2
-55°	656.8	735.9	815.6	912.8	1009.1	1101.6	1190.5	1266.3	1336.9	1402.8	1440.2
-57.5°	553.5	621.6	692.7	779.5	865.1	949.2	1035.3	1122.7	1208.2	1288.0	1334.2
-60°	455.0	515.4	579.7	649.8	724.2	801.8	876.0	950.0	1023.5	1088.6	1126.8
-62.5°	358.5	409.4	461.7	517.1	575.6	636.8	698.4	760.7	822.8	875.0	907.3
-65°	260.4	301.9	341.9	382.4	423.4	469.8	518.5	566.1	611.9	647.8	671.3
-67.5°	182.1	208.9	233.4	257.3	286.3	319.3	354.4	388.5	421.3	446.1	462.7
-70°	123.6	138.5	152.0	167.6	186.6	206.3	226.9	246.7	265.5	279.8	290.9
-72.5°	78.9	88.8	98.4	109.1	119.3	130.7	142.5	153.8	164.3	171.7	177.5
-75°	42.7	48.0	55.8	63.1	70.0	78.1	86.6	94.5	101.9	105.8	108.4
-77.5°	26.1	29.6	33.0	36.2	39.3	43.7	48.7	53.6	58.5	60.8	62.5
-80°	17.1	18.7	20.5	22.2	23.9	26.6	29.3	32.1	34.8	35.6	36.1
-82.5°	12.2	12.7	13.3	14.0	14.6	16.3	18.1	19.9	21.7	23.0	24.2
-85°	9.5	9.6	9.7	9.8	9.9	10.8	11.8	12.9	14.0	14.6	15.2
-87.5°	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.7	9.3
-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: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.3	12.3	11.3	10.3	11.3	12.3	11.3	10.2	9.2	8.2	7.7
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	6.6
70°	8.1	8.1	8.2	8.2	8.2	8.1	8.1	7.9	7.8	8.0	8.6
67.5°	11.4	12.1	12.3	12.3	12.3	12.1	11.4	10.7	10.1	10.1	11.0
65°	16.0	17.9	17.5	16.4	17.5	17.9	16.0	14.2	12.4	12.2	13.0
62.5°	17.0	18.2	18.5	18.5	18.5	18.2	17.0	15.7	14.3	13.9	14.3
60°	15.8	16.3	16.4	16.4	16.4	16.3	15.8	15.2	14.6	14.4	14.4
57.5°	15.6	16.2	16.4	16.4	16.4	16.2	15.6	15.0	14.5	14.7	14.8
55°	15.6	16.2	16.4	16.4	16.4	16.2	15.6	15.0	14.4	14.7	15.3
52.5°	18.1	18.3	18.5	18.5	18.5	18.3	18.1	17.5	16.8	16.1	15.2
50°	22.8	23.9	23.1	20.5	23.1	23.9	22.8	21.7	20.9	20.2	19.2
47.5°	30.4	29.4	28.6	28.7	28.6	29.4	30.4	30.4	29.7	28.1	25.0
45°	49.6	49.2	48.9	49.3	48.9	49.2	49.6	48.9	46.9	44.3	41.6
42.5°	89.5	89.7	88.3	86.2	88.3	89.7	89.5	86.5	83.8	72.4	59.3
40°	208.9	191.5	167.8	154.0	167.8	191.5	208.9	209.5	197.5	160.4	145.5
37.5°	470.6	484.3	485.5	476.2	485.5	484.3	470.6	449.1	425.6	391.2	357.7
35°	894.1	926.1	927.9	911.4	927.9	926.1	894.1	841.9	759.1	650.9	624.8
32.5°	1513.0	1585.0	1612.0	1605.2	1612.0	1585.0	1513.0	1515.1	1382.8	1220.2	1121.4
30°	3106.9	3128.5	2907.3	2502.2	2907.3	3128.5	3106.9	3358.4	2817.6	2591.5	2252.0
27.5°	9028.9	9862.3	10164.5	10031.4	10164.5	9862.3	9028.9	8328.9	7038.7	6092.8	4619.8
25°	16073.6	16622.7	17170.8	17234.3	17170.8	16622.7	16073.6	15619.5	14038.0	11533.0	9334.6
22.5°	23884.1	24664.4	25405.0	25235.6	25405.0	24664.4	23884.1	22574.2	20683.0	17887.7	14933.1
20°	33011.7	33549.8	34096.4	33491.5	34096.4	33549.8	33011.7	31057.8	27981.4	24577.5	20577.8
17.5°	44640.6	47174.4	49423.7	48406.3	49423.7	47174.4	44640.6	40633.3	36807.7	31868.5	26995.5
15°	60418.9	64828.9	67415.5	67278.6	67415.5	64828.9	60418.9	55078.4	49406.4	43058.1	37130.0
12.5°	78601.0	83209.6	85849.3	85303.2	85849.3	83209.6	78601.0	72330.1	64235.6	56610.2	48856.5
10°	95005.3	98624.3	101760.6	102989.1	101760.6	98624.3	95005.3	89315.9	80660.2	70894.9	60120.3
7.5°	109494.3	112190.7	114806.8	115274.4	114806.8	112190.7	109494.3	103946.7	95076.1	84002.9	71415.4
5°	121421.8	125241.9	126720.7	127307.2	126720.7	125241.9	121421.8	115841.4	107001.0	94857.9	80528.9
2.5°	131048.1	134542.5	136392.4	135846.3	136392.4	134542.5	131048.1	125454.8	116127.0	103963.8	87271.1
0°	136578.1	139344.1	140854.9	140493.6	140854.9	139344.1	136578.1	131981.1	123015.0	110727.7	91512.5
-2.5°	137123.1	138983.1	140164.8	139701.2	140164.8	138983.1	137123.1	132622.8	123364.9	110112.3	91254.9
-5°	133352.1	134865.6	135486.5	135751.9	135486.5	134865.6	133352.1	129614.4	120246.9	106856.2	87008.1
-7.5°	128156.0	130189.1	129880.0	130414.9	129880.0	130189.1	128156.0	125170.9	116683.1	103140.0	84384.8
-10°	125061.3	126937.7	126666.0	126810.4	126666.0	126937.7	125061.3	121879.1	111937.8	98907.3	79957.2
-12.5°	117552.5	120276.9	120695.1	121164.5	120695.1	120276.9	117552.5	111918.4	103200.3	89536.4	75011.4
-15°	104767.4	107761.0	109571.1	109978.5	109571.1	107761.0	104767.4	98789.7	89682.5	79809.4	67669.0
-17.5°	88609.2	92749.2	95659.8	96336.3	95659.8	92749.2	88609.2	82898.0	76028.5	68499.8	59740.8
-20°	70709.9	73673.4	75181.4	75994.3	75181.4	73673.4	70709.9	65857.6	61884.4	56148.8	50519.9



REPORT NUMBER: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	55655.0	57612.2	58452.4	58589.6	58452.4	57612.2	55655.0	52968.9	49573.3	45443.4	40965.9
-25°	43479.9	44813.9	45385.7	46230.4	45385.7	44813.9	43479.9	41099.7	38160.5	35073.1	31142.9
-27.5°	33741.9	34914.9	35437.9	36215.4	35437.9	34914.9	33741.9	31993.9	29542.3	27174.9	24083.7
-30°	26403.7	27110.3	27286.7	27325.3	27286.7	27110.3	26403.7	25209.0	23438.0	21449.0	18967.4
-32.5°	20885.4	21681.2	22156.3	22368.0	22156.3	21681.2	20885.4	19854.5	18527.0	16908.2	15051.2
-35°	16204.0	16728.6	17040.9	17392.4	17040.9	16728.6	16204.0	15435.5	14409.3	13191.2	12003.2
-37.5°	12598.2	12987.1	13202.3	13274.7	13202.3	12987.1	12598.2	12030.7	11301.0	10374.0	9477.2
-40°	10055.8	10442.0	10673.9	10708.8	10673.9	10442.0	10055.8	9546.1	8907.1	8085.1	7098.9
-42.5°	7905.2	8386.4	8697.6	8769.0	8697.6	8386.4	7905.2	7333.9	6581.9	5684.8	4615.1
-45°	5124.9	5572.8	5809.9	5794.7	5809.9	5572.8	5124.9	4543.4	3748.2	2845.8	1995.3
-47.5°	2144.2	2216.4	2247.4	2237.4	2247.4	2216.4	2144.2	2043.0	1884.7	1691.0	1495.5
-50°	1577.7	1618.6	1641.1	1646.2	1641.1	1618.6	1577.7	1529.4	1468.3	1392.6	1314.8
-52.5°	1416.7	1431.8	1437.0	1436.9	1437.0	1431.8	1416.7	1403.2	1387.3	1356.3	1320.0
-55°	1475.0	1508.0	1520.9	1521.0	1520.9	1508.0	1475.0	1440.2	1402.8	1336.9	1266.3
-57.5°	1376.2	1413.4	1430.5	1434.8	1430.5	1413.4	1376.2	1334.2	1288.0	1208.2	1122.7
-60°	1161.1	1191.0	1204.0	1207.0	1204.0	1191.0	1161.1	1126.8	1088.6	1023.5	950.0
-62.5°	934.9	957.4	964.4	962.7	964.4	957.4	934.9	907.3	875.0	822.8	760.7
-65°	690.9	706.5	707.7	702.0	707.7	706.5	690.9	671.3	647.8	611.9	566.1
-67.5°	475.9	485.8	486.3	482.4	486.3	485.8	475.9	462.7	446.1	421.3	388.5
-70°	300.2	307.8	308.2	305.8	308.2	307.8	300.2	290.9	279.8	265.5	246.7
-72.5°	182.5	186.6	190.3	193.0	190.3	186.6	182.5	177.5	171.7	164.3	153.8
-75°	110.4	111.8	111.6	110.8	111.6	111.8	110.4	108.4	105.8	101.9	94.5
-77.5°	63.9	65.1	67.6	69.8	67.6	65.1	63.9	62.5	60.8	58.5	53.6
-80°	36.5	36.7	37.9	39.0	37.9	36.7	36.5	36.1	35.6	34.8	32.1
-82.5°	25.4	26.6	26.7	26.7	26.7	26.6	25.4	24.2	23.0	21.7	19.9
-85°	15.8	16.3	17.4	18.5	17.4	16.3	15.8	15.2	14.6	14.0	12.9
-87.5°	9.8	10.3	10.3	10.3	10.3	10.3	9.8	9.3	8.7	8.2	8.2
-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°	7.2	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	6.2
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	7.1	7.3	7.3
75°	5.9	6.0	6.3	6.4	6.4	6.3	6.4	6.9	7.4	7.9	8.2
72.5°	6.9	7.0	7.1	7.4	7.6	7.7	8.1	8.4	8.6	8.4	8.2
70°	9.1	9.4	9.8	10.2	10.5	10.8	11.0	11.2	11.3	11.4	10.4
67.5°	11.8	12.5	14.0	15.5	16.2	16.4	16.1	15.0	14.5	14.5	13.0
65°	13.8	14.6	15.8	17.2	18.8	20.7	23.7	24.0	22.7	20.0	15.7
62.5°	15.0	16.2	16.9	17.6	18.8	22.0	28.1	31.6	32.6	28.9	22.0
60°	14.4	14.5	15.5	16.6	17.7	23.7	32.7	39.2	43.1	36.6	27.5
57.5°	14.6	14.6	15.2	15.7	16.3	24.3	35.0	46.5	53.6	42.2	31.7
55°	16.1	16.1	15.9	16.0	16.8	24.4	34.3	45.7	52.5	45.6	33.7
52.5°	14.5	15.7	16.5	16.5	18.0	23.5	31.2	41.8	45.2	39.8	32.8
50°	18.1	18.1	18.0	18.0	19.3	22.1	27.8	36.2	36.4	34.0	28.3
47.5°	23.9	23.4	22.3	21.7	22.1	22.2	25.5	29.5	31.7	29.0	24.8
45°	39.3	35.2	29.4	29.5	28.4	27.3	25.7	30.1	31.4	29.7	23.0
42.5°	65.6	60.6	50.9	47.7	42.3	38.7	34.7	36.9	37.7	34.6	31.3
40°	144.1	109.9	102.6	85.7	71.6	59.0	53.2	48.0	48.0	45.2	43.8
37.5°	316.0	272.6	237.5	178.5	141.3	97.4	81.0	68.3	60.2	65.1	62.5
35°	563.1	511.5	471.5	392.2	276.3	210.2	126.2	98.3	90.8	95.4	87.5
32.5°	865.0	876.1	796.6	692.6	600.0	420.4	269.8	147.8	162.3	153.9	126.4
30°	1921.0	1760.4	1322.0	1340.7	1340.6	858.5	498.5	389.6	290.1	239.7	182.1
27.5°	4463.1	3941.8	3026.3	2695.4	2680.0	1916.3	1152.4	795.0	509.0	376.0	277.5
25°	8281.8	7398.8	5907.4	4924.6	4434.4	3380.9	2123.6	1503.2	968.7	544.2	378.8
22.5°	12609.9	11004.1	9085.5	7202.2	6085.7	4502.6	3162.7	2371.3	1484.5	779.0	501.4
20°	17385.6	14891.2	12486.0	10100.1	7755.1	5519.1	3944.9	3234.5	2169.1	1100.4	619.1
17.5°	23166.9	19227.9	16658.2	13419.9	10230.4	7204.2	5539.7	4355.0	3026.9	1370.0	726.2
15°	30411.1	26234.7	22302.4	17747.8	13610.4	10582.8	7899.8	5838.4	4042.7	1885.3	967.4
12.5°	41764.7	35395.1	29223.9	23254.5	18496.3	14484.1	10928.3	7909.6	5229.2	2804.5	1360.6
10°	52084.9	44302.2	36508.9	29677.8	23823.1	18643.0	13756.0	9549.5	6262.0	3733.3	1790.7
7.5°	60489.9	51698.5	43409.7	34978.0	27821.9	21464.0	15708.3	10919.9	7135.9	4571.7	2238.3
5°	67230.8	56843.4	47369.2	37566.2	30332.0	23983.7	17461.5	12154.2	7855.8	5306.8	2681.6
2.5°	71422.8	60079.9	50222.6	39459.5	32171.6	26006.5	18987.8	13219.4	8464.9	5883.5	3068.1
0°	73888.2	62251.6	52099.1	40719.0	33212.4	27093.3	20243.5	14058.8	8957.9	6322.3	3405.4
-2.5°	73327.9	60750.7	50353.1	38885.0	31281.8	25241.8	19027.9	13743.9	9423.8	6417.7	3280.8
-5°	68571.4	56769.3	47128.1	37041.5	29518.0	23784.2	18109.7	13490.1	9673.3	6365.0	3090.5
-7.5°	66596.4	53942.3	43718.3	34491.2	27563.5	22350.3	17398.0	13330.9	9673.3	6277.3	3132.5
-10°	63502.1	52260.5	42513.5	33540.7	26558.2	20876.6	16622.3	13007.2	9473.0	6009.8	3058.4
-12.5°	60995.2	50277.3	40917.1	32663.7	26601.0	20878.1	16386.0	12603.2	9064.7	5558.8	2849.1
-15°	57310.9	48363.8	39349.0	31866.5	26164.2	20563.5	16004.9	12115.9	8185.2	4819.7	2490.2
-17.5°	51594.8	44815.5	36458.2	29175.7	23847.4	19638.3	15257.7	10997.8	6956.4	3863.1	1922.5
-20°	44642.6	38470.1	31703.0	25462.0	20437.4	16448.1	13469.0	9239.8	5578.9	3047.9	1705.5



REPORT NUMBER: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	36985.3	31530.6	25633.0	20685.5	16511.8	13167.1	10306.3	6966.9	4030.5	2154.9	1476.4
-25°	28454.6	24268.5	19544.8	16316.2	12754.8	9632.9	7536.9	5086.3	2958.8	1590.8	1251.2
-27.5°	21516.7	17821.3	15283.7	12863.0	10048.8	7503.1	5450.4	3436.1	1908.6	1360.1	1106.3
-30°	16435.3	14387.5	12470.4	10628.7	8326.8	5980.6	3720.1	2308.2	1462.2	1165.7	1003.6
-32.5°	13127.6	11782.0	10320.2	8655.8	6511.1	4218.2	2580.2	1499.0	1218.4	1063.5	961.5
-35°	10777.9	9537.0	8132.2	6372.7	4330.4	2742.5	1580.7	1279.1	1091.3	984.6	935.2
-37.5°	8465.5	7249.9	5686.6	4010.4	2604.2	1614.7	1337.4	1142.1	1007.5	956.4	883.8
-40°	6010.0	4699.4	3399.8	2110.6	1596.1	1347.7	1181.9	1046.7	986.9	910.5	818.6
-42.5°	3516.2	2389.0	1752.0	1513.0	1311.2	1190.3	1079.4	1020.6	945.1	845.7	731.7
-45°	1778.6	1569.3	1375.5	1276.6	1168.6	1103.2	1047.5	965.8	871.9	759.3	636.9
-47.5°	1393.2	1312.8	1225.2	1170.0	1123.6	1064.3	975.1	883.0	775.8	664.6	562.9
-50°	1261.7	1232.4	1194.1	1137.9	1058.5	976.5	879.0	776.3	678.2	583.4	489.7
-52.5°	1272.0	1202.7	1128.9	1049.1	952.5	857.2	762.7	677.0	590.1	503.4	420.3
-55°	1190.5	1101.6	1009.1	912.8	815.6	735.9	656.8	579.7	501.7	422.7	357.5
-57.5°	1035.3	949.2	865.1	779.5	692.7	621.6	553.5	482.7	417.8	356.7	296.8
-60°	876.0	801.8	724.2	649.8	579.7	515.4	455.0	397.1	342.4	288.8	235.5
-62.5°	698.4	636.8	575.6	517.1	461.7	409.4	358.5	310.3	264.4	219.7	179.9
-65°	518.5	469.8	423.4	382.4	341.9	301.9	260.4	225.2	193.5	161.6	129.3
-67.5°	354.4	319.3	286.3	257.3	233.4	208.9	182.1	154.8	134.0	116.2	96.6
-70°	226.9	206.3	186.6	167.6	152.0	138.5	123.6	108.2	93.1	79.6	65.7
-72.5°	142.5	130.7	119.3	109.1	98.4	88.8	78.9	68.4	57.8	47.2	38.2
-75°	86.6	78.1	70.0	63.1	55.8	48.0	42.7	38.4	34.0	29.4	24.7
-77.5°	48.7	43.7	39.3	36.2	33.0	29.6	26.1	22.9	20.8	19.0	17.5
-80°	29.3	26.6	23.9	22.2	20.5	18.7	17.1	15.9	14.9	14.2	13.7
-82.5°	18.1	16.3	14.6	14.0	13.3	12.7	12.2	11.8	11.5	11.2	10.8
-85°	11.8	10.8	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1
-87.5°	8.1	8.1	8.0	8.0	7.9	7.9	7.8	7.8	7.7	7.7	7.6
-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: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-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	7.2	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	6.5	6.8	7.1	7.3	7.5	7.7	7.9	8.2	8.2	8.2	8.2
85°	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	6.8	7.3	7.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	7.3	7.5	7.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.1	8.1	8.3	8.3	8.2	8.2	8.3	8.4	8.2	8.2
72.5°	8.2	8.2	8.2	8.5	8.8	8.8	8.5	8.4	8.7	8.6	8.3
70°	9.3	8.4	8.2	8.5	9.1	9.5	9.4	9.1	9.0	9.1	8.8
67.5°	11.3	10.0	9.0	8.8	9.1	9.7	10.2	9.8	9.5	9.6	9.4
65°	13.8	12.0	10.2	9.7	9.5	9.7	10.2	10.3	10.0	9.8	9.9
62.5°	17.1	14.3	12.4	10.8	10.1	10.0	10.3	10.3	10.3	10.1	10.2
60°	20.7	16.2	14.3	12.5	11.0	10.2	10.3	10.3	10.3	10.3	10.3
57.5°	23.1	17.0	15.2	13.8	12.2	10.8	10.3	10.3	10.3	10.3	10.3
55°	24.0	17.7	16.2	14.7	13.2	11.7	10.6	10.3	10.3	10.3	10.3
52.5°	23.4	18.7	17.1	15.6	14.0	12.5	11.4	10.3	10.3	10.3	10.3
50°	20.7	19.9	18.2	16.4	14.8	13.3	12.1	10.9	10.3	10.3	10.3
47.5°	21.0	21.1	19.6	17.3	15.5	14.2	12.9	11.6	10.3	10.3	10.3
45°	23.9	22.7	21.3	18.9	16.3	15.0	13.6	12.2	10.9	10.4	10.3
42.5°	28.9	27.0	23.6	20.5	18.1	15.7	14.3	12.9	11.4	10.5	10.4
40°	40.1	33.9	27.7	25.4	20.6	16.5	15.0	13.5	12.0	10.8	10.5
37.5°	53.7	45.0	35.7	35.6	25.4	19.0	15.6	14.1	12.6	11.4	10.7
35°	74.2	59.8	52.7	50.7	38.5	21.9	16.2	14.6	13.4	12.0	11.0
32.5°	97.7	87.4	81.0	68.2	55.4	25.1	18.1	15.6	14.2	12.5	11.2
30°	143.5	137.3	117.5	87.5	74.8	40.6	21.3	16.8	15.0	13.1	11.6
27.5°	214.4	198.8	163.2	120.0	92.8	59.6	25.3	18.1	15.9	13.7	12.0
25°	289.9	264.4	223.0	161.3	112.0	79.6	29.7	19.7	17.0	14.4	12.5
22.5°	380.2	326.5	290.6	207.3	136.2	100.0	40.1	23.2	18.1	15.1	12.9
20°	463.5	385.8	362.9	252.7	170.8	119.3	56.4	26.7	19.3	15.8	13.3
17.5°	544.2	464.6	418.6	306.4	208.6	140.9	72.4	30.3	20.6	16.5	13.6
15°	696.4	574.4	483.7	360.8	244.2	164.5	87.9	33.9	21.9	17.2	13.9
12.5°	870.9	690.8	558.9	414.9	277.6	189.3	102.7	37.3	23.1	17.8	14.0
10°	1051.6	811.5	641.4	467.8	308.6	214.5	116.4	42.0	25.0	18.5	14.2
7.5°	1234.1	933.5	727.7	518.3	343.2	252.9	148.2	49.5	27.0	19.1	14.3
5°	1401.2	1048.4	818.6	597.6	409.4	304.8	183.6	57.2	29.1	19.6	14.3
2.5°	1504.7	1148.3	905.8	676.3	473.9	354.9	218.2	64.8	31.0	20.1	14.4
0°	1592.9	1239.8	985.3	749.2	535.7	402.3	250.4	71.8	32.8	20.5	14.4
-2.5°	1594.3	1242.5	1012.1	818.5	604.3	453.0	289.8	92.9	45.0	26.0	16.3
-5°	1581.5	1238.7	1035.8	881.6	667.8	499.3	323.9	112.6	56.6	31.3	18.2
-7.5°	1612.3	1251.5	1057.8	931.8	725.2	540.4	351.3	130.5	67.2	36.1	19.9
-10°	1633.4	1267.7	1072.0	929.1	725.6	552.2	367.2	146.1	76.7	40.3	21.5
-12.5°	1626.5	1270.9	1080.9	917.0	710.6	537.6	353.0	156.9	84.6	43.8	22.8
-15°	1588.6	1259.9	1084.2	894.6	689.3	520.1	336.2	164.4	91.3	47.1	24.0
-17.5°	1496.2	1233.3	1081.5	861.2	661.5	500.2	317.5	169.3	96.3	50.4	25.6
-20°	1355.8	1172.1	1066.7	816.2	627.0	478.1	297.6	171.6	99.3	52.5	27.5



REPORT NUMBER: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1224.6	1098.4	980.5	771.8	591.0	454.1	277.1	171.1	100.2	53.3	28.8
-25°	1092.6	1029.6	892.1	713.2	559.6	423.9	265.5	167.6	98.9	52.8	29.5
-27.5°	1003.7	957.5	811.4	652.9	520.9	395.1	260.2	165.6	96.3	50.7	29.5
-30°	938.6	871.0	740.7	595.2	478.4	356.0	251.1	160.8	93.9	49.6	28.9
-32.5°	899.2	797.4	671.1	545.4	432.6	316.3	231.2	152.7	89.4	48.9	28.4
-35°	843.9	729.2	602.4	491.7	386.0	286.9	206.7	141.3	82.7	47.2	27.7
-37.5°	784.3	658.0	540.5	437.4	339.3	255.1	184.3	124.7	73.8	44.4	26.4
-40°	702.9	586.7	479.3	386.5	299.4	221.0	160.6	109.2	67.9	40.6	24.5
-42.5°	618.2	518.4	424.3	336.5	259.6	193.4	136.5	92.9	61.0	37.3	22.1
-45°	542.9	452.5	370.3	292.9	219.4	164.8	117.8	77.1	53.2	33.8	20.0
-47.5°	468.9	392.7	319.6	248.5	187.4	137.4	98.3	67.8	45.0	29.7	18.7
-50°	403.7	335.9	271.4	210.5	155.5	115.4	80.5	57.9	39.1	24.5	17.3
-52.5°	347.0	284.5	226.8	173.0	129.9	92.8	68.7	47.7	32.6	21.4	15.7
-55°	293.8	235.0	183.3	141.1	104.8	77.3	56.3	39.8	25.8	19.2	14.1
-57.5°	240.1	185.6	146.8	112.0	85.0	63.3	45.5	31.4	22.0	16.8	13.8
-60°	186.6	147.6	113.4	89.4	68.5	50.0	35.3	24.3	19.1	14.8	13.3
-62.5°	142.9	111.5	90.0	70.2	52.8	37.8	25.8	20.8	16.1	14.2	12.8
-65°	107.3	86.9	68.1	52.2	37.7	26.9	21.7	17.1	14.9	13.7	12.3
-67.5°	78.1	62.4	47.6	34.0	26.9	21.8	17.3	15.5	14.3	13.1	11.8
-70°	51.9	38.7	30.6	25.3	20.6	17.0	15.8	14.8	13.6	12.5	11.3
-72.5°	32.2	26.8	22.0	18.1	16.8	15.7	14.8	14.0	12.9	11.9	10.8
-75°	20.3	18.5	17.2	16.0	15.1	14.3	13.9	13.2	12.2	11.2	10.6
-77.5°	16.4	15.4	14.5	14.1	13.7	13.3	12.9	12.4	11.6	10.9	10.5
-80°	13.3	13.1	13.0	12.9	12.6	12.3	12.0	11.6	11.1	10.6	10.4
-82.5°	10.9	11.2	11.5	11.7	11.5	11.3	11.1	10.8	10.5	10.3	10.1
-85°	9.5	9.9	10.2	10.6	10.4	10.3	10.1	10.0	9.8	9.6	9.5
-87.5°	8.1	8.5	9.0	9.4	9.3	9.2	9.2	9.1	9.0	8.9	8.8
-90°	6.2	6.2	6.2	6.2	6.7	7.2	7.7	8.2	8.2	8.2	8.2



REPORT NUMBER: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
70°	8.3	8.2	8.2	8.2	8.2	8.2	8.2
67.5°	8.8	8.2	8.2	8.2	8.2	8.2	8.2
65°	9.3	8.4	8.2	8.2	8.2	8.2	8.2
62.5°	9.8	8.8	8.2	8.2	8.2	8.2	8.2
60°	10.2	9.2	8.2	8.2	8.2	8.2	8.2
57.5°	10.3	9.6	8.5	8.2	8.2	8.2	8.2
55°	10.3	10.0	8.8	8.2	8.2	8.2	8.2
52.5°	10.3	10.3	9.1	8.2	8.2	8.2	8.2
50°	10.3	10.3	9.4	8.2	8.2	8.2	8.2
47.5°	10.3	10.3	9.7	8.2	8.2	8.2	8.2
45°	10.3	10.3	9.9	8.4	8.2	8.2	8.2
42.5°	10.3	10.3	10.2	8.6	8.2	8.2	8.2
40°	10.3	10.3	10.3	8.8	8.2	8.2	8.2
37.5°	10.3	10.3	10.3	8.9	8.2	8.2	8.2
35°	10.3	10.3	10.3	9.0	8.2	8.2	8.2
32.5°	10.4	10.3	10.3	9.1	8.2	8.2	8.2
30°	10.6	10.3	10.3	9.1	8.2	8.2	8.2
27.5°	10.8	10.3	10.2	9.2	8.2	8.2	8.2
25°	11.0	10.3	10.2	9.2	8.2	8.2	8.2
22.5°	11.3	10.3	10.2	9.1	8.2	8.2	8.2
20°	11.5	10.3	10.1	9.1	8.2	8.2	8.2
17.5°	11.7	10.3	10.1	9.0	8.2	8.2	8.2
15°	11.9	10.3	10.2	8.9	8.2	8.2	8.2
12.5°	12.0	10.3	10.2	8.8	8.2	8.2	8.2
10°	12.1	10.3	10.2	8.7	8.2	8.2	8.2
7.5°	12.2	10.3	10.2	8.6	8.2	8.2	8.2
5°	12.3	10.3	10.3	8.5	8.2	8.2	8.2
2.5°	12.3	10.3	10.3	8.3	8.2	8.2	8.2
0°	12.3	10.3	10.3	8.2	8.2	8.2	8.2
-2.5°	13.1	10.8	10.3	8.3	8.2	8.2	8.2
-5°	13.9	11.2	10.3	8.5	8.2	8.2	8.2
-7.5°	14.6	11.6	10.2	8.6	8.2	8.2	8.2
-10°	15.3	12.0	10.2	8.7	8.2	8.2	8.2
-12.5°	15.9	12.3	10.2	8.8	8.2	8.2	8.2
-15°	16.5	12.5	10.2	8.9	8.2	8.2	8.2
-17.5°	16.9	12.7	10.1	9.0	8.2	8.2	8.2
-20°	17.4	12.8	10.1	9.1	8.2	8.2	8.2



REPORT NUMBER: P701572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.0	12.7	10.2	9.1	8.2	8.2	8.2
-25°	18.4	12.7	10.2	9.2	8.2	8.2	8.2
-27.5°	18.4	12.5	10.2	9.2	8.2	8.2	8.2
-30°	18.1	12.3	10.3	9.1	8.2	8.2	8.2
-32.5°	17.4	12.0	10.4	9.1	8.2	8.2	8.2
-35°	16.9	11.6	10.5	9.0	8.2	8.2	8.2
-37.5°	16.4	11.4	10.6	8.9	8.2	8.2	8.2
-40°	15.7	11.5	10.6	8.8	8.2	8.2	8.2
-42.5°	15.0	11.5	10.5	8.7	8.2	8.2	8.2
-45°	14.1	11.5	10.3	8.5	8.2	8.2	8.2
-47.5°	13.0	11.5	10.1	8.4	8.2	8.2	8.2
-50°	12.8	11.4	9.9	8.4	8.2	8.2	8.2
-52.5°	12.6	11.3	9.7	8.4	8.2	8.2	8.2
-55°	12.4	11.1	9.5	8.4	8.2	8.2	8.2
-57.5°	12.2	10.7	9.2	8.5	8.2	8.2	8.2
-60°	11.9	10.4	9.0	8.5	8.2	8.2	8.2
-62.5°	11.5	10.1	9.0	8.5	8.2	8.2	8.2
-65°	11.0	9.7	9.1	8.6	8.2	8.2	8.2
-67.5°	10.6	9.6	9.1	8.6	8.2	8.2	8.2
-70°	10.2	9.6	9.1	8.6	8.2	8.2	8.2
-72.5°	10.2	9.7	9.2	8.6	8.2	8.2	8.2
-75°	10.2	9.7	9.2	8.6	8.2	8.2	8.2
-77.5°	10.2	9.7	9.1	8.5	8.2	8.2	8.2
-80°	10.3	9.5	8.9	8.5	8.2	8.2	8.2
-82.5°	9.8	9.2	8.7	8.4	8.2	8.2	8.2
-85°	9.3	8.9	8.6	8.3	8.2	8.2	8.2
-87.5°	8.7	8.5	8.4	8.3	8.2	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(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

