

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: P701723 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-1S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701723 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-1S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

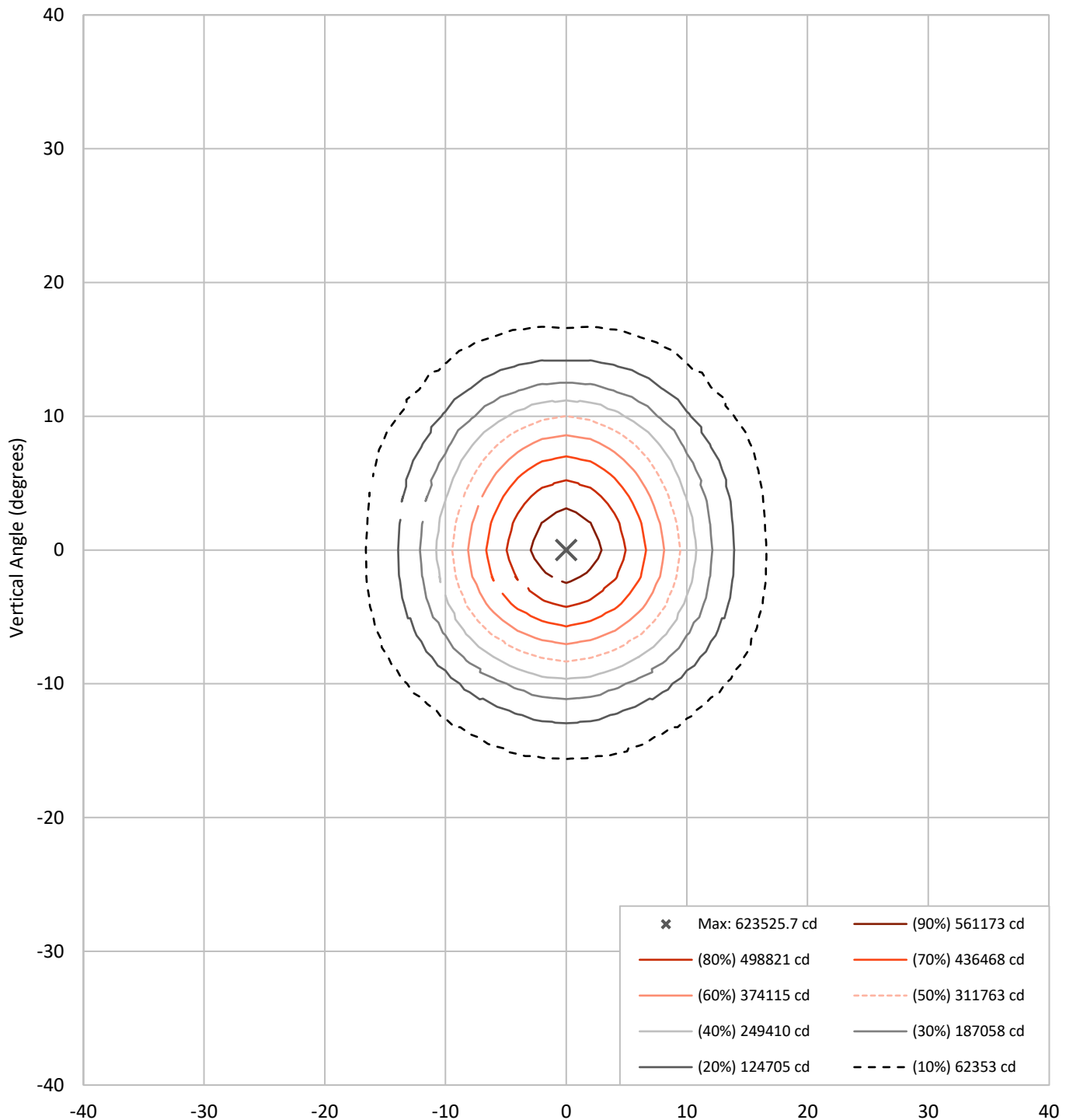
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	75104.6 lumens	Max Intensity:	623525.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	103.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	35041.6 lumens	Field Lumens:	63645.2 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

Input Watts (W): 724.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





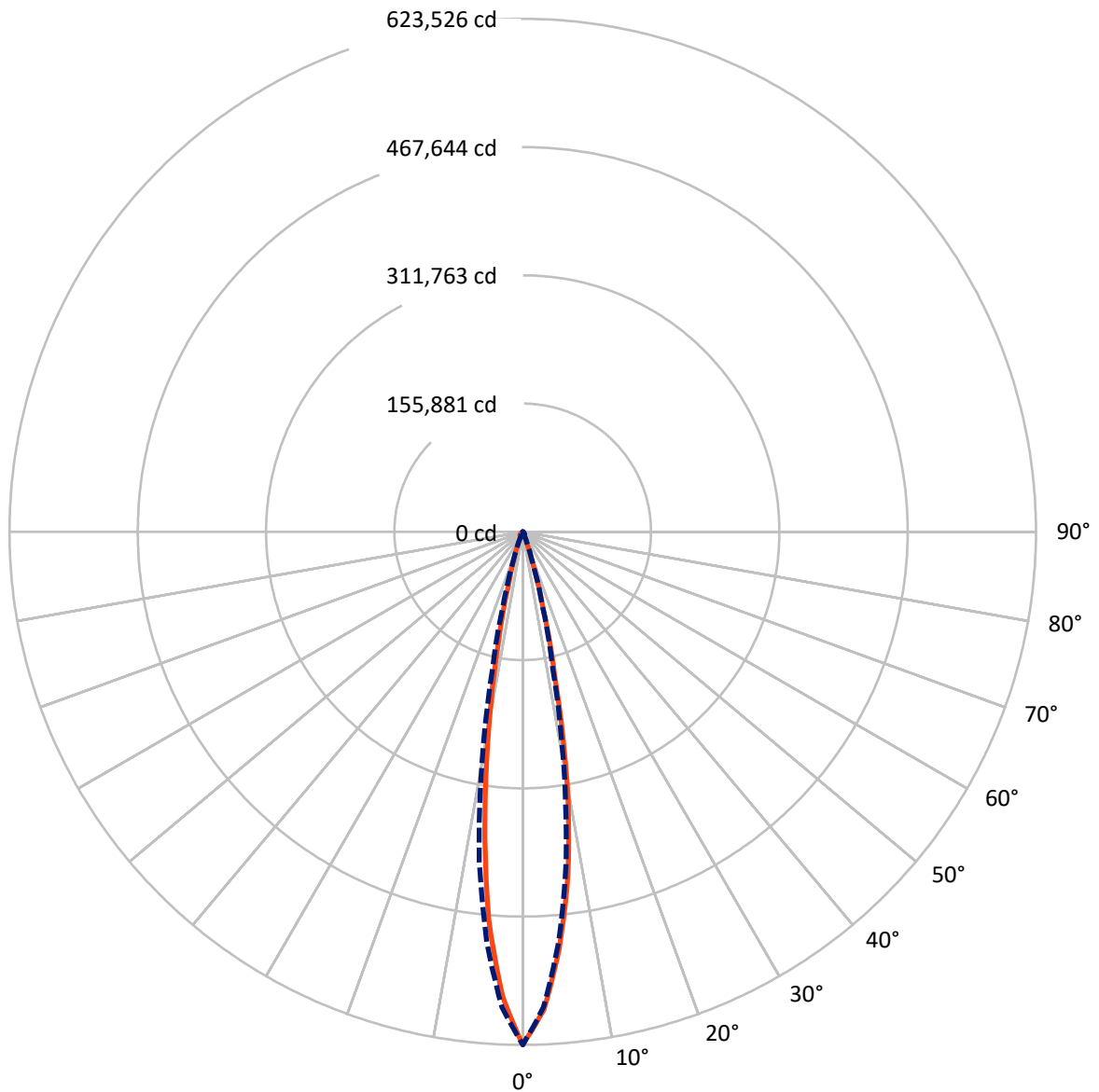
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Lumen Table

90	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1	
70	0.1	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.1		
60		0.1	0.3	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.3	0.1			
50	0.2	0.2	0.4	0.4	0.5	0.8	1.2	0.9	0.9	1.2	0.8	0.5	0.4	0.4	0.2	0.2		
40		0.3	0.9	2.1	4.2	6.0	8.5	10.5	10.5	8.5	6.0	4.2	2.1	0.9	0.3			
30	0.3	0.5	4.1	13.0	30.7	41.7	66.7	119.0	119.0	66.7	41.7	30.7	13.0	4.1	0.5	0.3		
20		1.3	8.7	37.5	75.4	99.9	730.5	2943.7	2943.7	730.5	99.9	75.4	37.5	8.7	1.3			
10	0.4	2.0	11.2	50.5	83.9	183.5	2736.6	11818.4	11818.4	2736.6	183.5	83.9	50.5	11.2	2.0	0.4		
0		2.5	11.8	49.7	83.8	178.2	2618.1	10948.1	10948.1	2618.1	178.2	83.8	49.7	11.8	2.5			
-10	0.6	3.0	11.4	39.8	77.3	97.6	583.0	2185.8	2185.8	583.0	97.6	77.3	39.8	11.4	3.0	0.6		
-20		3.1	11.1	27.6	76.5	96.0	108.7	187.6	187.6	108.7	96.0	76.5	27.6	11.1	3.1			
-30	0.5	2.7	10.1	19.4	54.3	112.6	131.8	135.8	135.8	131.8	112.6	54.3	19.4	10.1	2.7	0.5		
-40		1.9	7.7	17.1	28.7	51.7	93.9	127.4	127.4	93.9	51.7	28.7	17.1	7.7	1.9			
-50	0.3	1.0	4.4	11.5	22.0	32.0	40.3	45.3	45.3	40.3	32.0	22.0	11.5	4.4	1.0	0.3		
-60		0.4	1.5	4.5	9.5	15.5	21.4	24.9	24.9	21.4	15.5	9.5	4.5	1.5	0.4			
-70	0.2	1.2	3.4	7.9	10.6	7.9	3.4	1.2	0.2									
-80		1.2	3.4	7.9	10.6	7.9	3.4	1.2	0.2									
-90	0.2		1.2		3.4		7.9		10.6		7.9		3.4		1.2		0.2	

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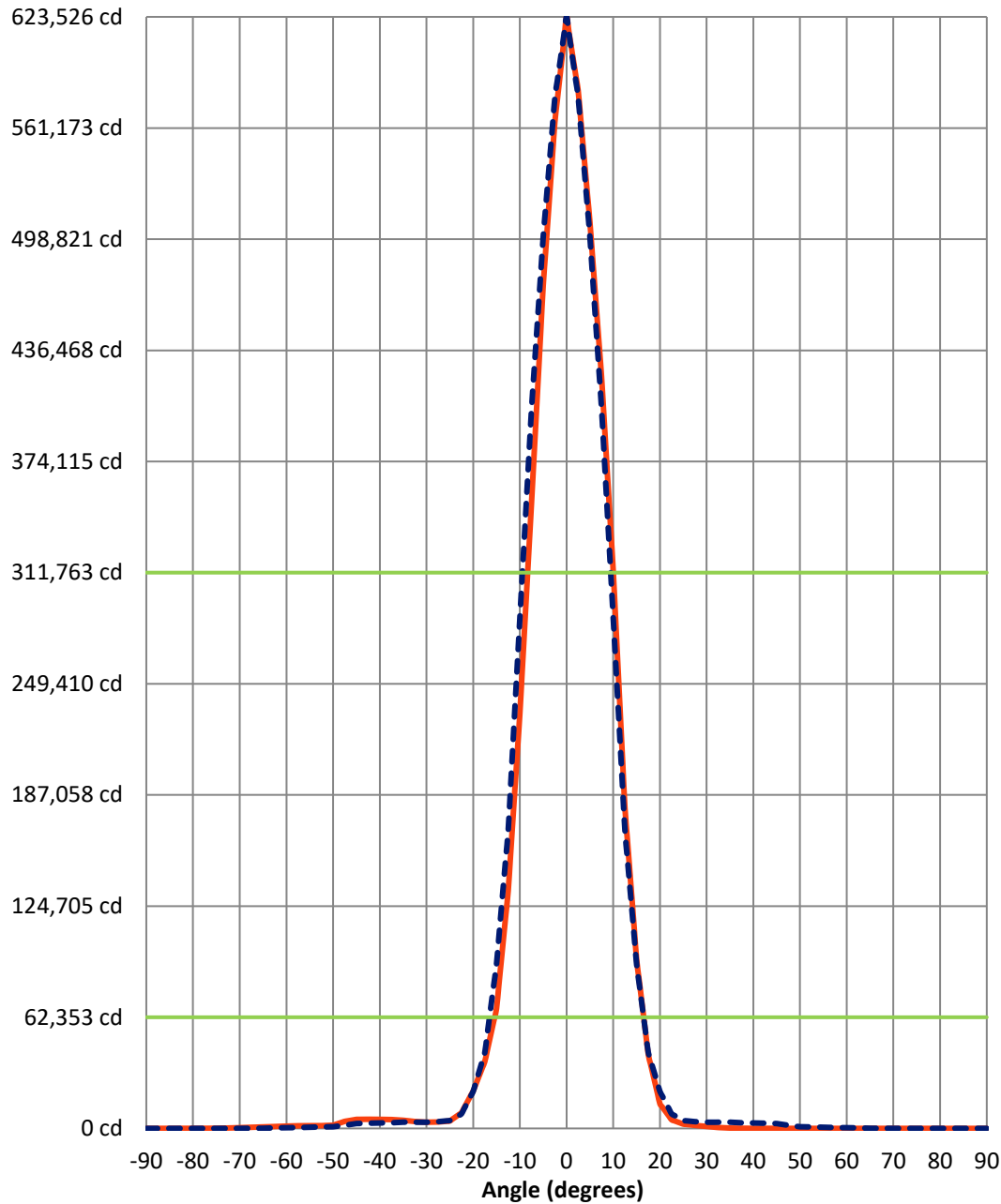
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 18.3°
 Lumens: 35041.6
 Efficiency: 46.7%

Field:
 H Angle: 33°
 V Angle: 31.9°
 Lumens: 63645.2
 Efficiency: 84.7%

Spill:
 Lumens: 11459.5
 Efficiency: 15.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.5	4.5	4.5	5.3	6.0	6.8	7.5	8.3	9.0	9.8	10.5
87.5°	4.5	4.5	4.5	4.2	3.9	3.6	3.4	3.3	3.3	3.1	3.0
85°	4.5	4.6	4.5	4.2	4.0	3.9	3.8	3.7	3.5	3.3	3.0
82.5°	4.5	4.6	4.5	4.3	4.1	4.1	4.2	4.0	3.8	3.6	3.4
80°	4.5	4.6	4.5	4.3	4.3	4.3	4.5	4.5	4.3	4.2	4.1
77.5°	4.5	4.7	4.5	4.4	4.4	4.6	4.9	4.9	4.9	4.8	4.6
75°	4.5	4.7	4.5	4.4	4.5	4.9	5.3	5.4	5.3	5.0	4.6
72.5°	4.5	4.7	4.5	4.5	4.8	5.2	5.7	5.7	5.4	5.0	4.7
70°	4.5	4.8	4.6	4.5	5.0	5.5	6.0	5.8	5.4	5.1	5.2
67.5°	4.5	4.8	4.6	4.7	5.3	5.9	6.0	5.8	5.5	5.7	5.8
65°	4.5	4.8	4.6	4.9	5.5	6.1	6.1	5.9	6.0	6.2	6.3
62.5°	4.5	4.9	4.7	5.1	5.8	6.2	6.2	6.2	6.5	6.8	6.6
60°	4.5	4.9	4.7	5.2	6.0	6.3	6.3	6.6	7.0	7.1	6.8
57.5°	4.5	5.0	4.8	5.4	6.1	6.4	6.6	7.1	7.5	7.5	7.4
55°	4.5	5.0	5.0	5.6	6.3	6.6	7.0	7.5	7.9	8.0	8.1
52.5°	4.5	5.1	5.1	5.7	6.5	6.8	7.4	8.0	8.4	8.6	8.9
50°	4.5	5.1	5.3	5.9	6.6	7.1	7.8	8.5	8.9	9.3	10.2
47.5°	4.5	5.1	5.4	6.0	6.8	7.4	8.1	9.0	9.5	9.9	11.6
45°	4.5	5.2	5.6	6.2	7.0	7.7	8.6	9.6	10.1	11.0	12.9
42.5°	4.5	5.2	5.7	6.3	7.2	8.0	9.1	10.1	10.6	12.0	15.2
40°	4.5	5.3	5.8	6.5	7.4	8.3	9.6	10.6	11.3	13.0	17.6
37.5°	4.5	5.3	6.0	6.7	7.6	8.5	10.1	11.0	12.3	14.4	19.8
35°	4.5	5.4	6.1	6.9	7.8	8.9	10.6	11.5	13.2	16.6	21.6
32.5°	4.5	5.4	6.2	7.1	8.0	9.3	11.1	11.9	14.2	18.6	23.4
30°	4.5	5.5	6.3	7.3	8.2	9.7	11.5	12.5	15.2	20.6	25.6
27.5°	4.5	5.5	6.5	7.4	8.4	10.1	11.8	13.3	16.4	22.5	28.1
25°	4.5	5.6	6.6	7.6	8.7	10.5	12.2	14.1	18.0	24.4	30.9
22.5°	4.5	5.6	6.7	7.8	8.9	10.9	12.5	14.8	19.5	26.6	35.2
20°	4.5	5.7	6.8	8.0	9.1	11.1	12.9	15.6	20.8	28.8	39.9
17.5°	4.5	5.7	6.9	8.1	9.3	11.4	13.2	16.3	22.1	31.2	44.8
15°	4.5	5.8	7.0	8.3	9.5	11.6	13.4	17.0	23.3	33.6	49.9
12.5°	4.5	5.8	7.1	8.4	9.7	11.7	13.7	17.6	24.4	35.9	55.1
10°	4.5	5.8	7.2	8.5	9.9	11.8	14.0	18.1	25.4	38.1	60.3
7.5°	4.5	5.9	7.3	8.7	10.1	11.9	14.3	18.6	26.4	40.2	65.3
5°	4.5	5.9	7.4	8.8	10.2	12.0	14.5	19.0	27.2	42.1	70.0
2.5°	4.5	6.0	7.4	8.9	10.4	12.0	14.8	19.3	28.0	43.7	74.4
0°	4.5	6.0	7.5	9.0	10.5	12.0	15.0	19.6	28.6	45.1	78.2
-2.5°	4.5	6.0	7.6	9.1	10.8	12.7	16.4	23.3	36.7	59.5	100.6
-5°	4.5	6.1	7.6	9.2	11.0	13.3	17.7	26.9	44.5	73.4	121.9
-7.5°	4.5	6.1	7.7	9.3	11.2	13.9	19.0	30.2	51.7	86.2	141.6
-10°	4.5	6.1	7.7	9.3	11.4	14.4	20.1	33.2	58.1	97.9	159.3
-12.5°	4.5	6.1	7.8	9.4	11.6	14.9	21.2	35.8	63.7	108.0	174.2
-15°	4.5	6.1	7.8	9.4	11.8	15.3	22.0	37.8	69.0	117.2	186.4
-17.5°	4.5	6.1	7.8	9.5	11.9	15.7	22.7	40.1	74.2	124.7	195.8
-20°	4.5	6.2	7.8	9.5	12.0	15.9	23.4	42.4	78.0	130.3	202.2



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	6.2	7.8	9.5	12.0	16.1	24.2	43.7	80.3	133.9	205.5
-25°	4.5	6.1	7.9	9.5	12.0	16.3	24.6	44.0	81.1	135.4	205.3
-27.5°	4.5	6.1	7.9	9.5	12.0	16.4	24.6	43.2	80.1	135.3	206.3
-30°	4.5	6.1	7.8	9.5	11.9	16.3	24.0	41.1	78.7	134.0	204.7
-32.5°	4.5	6.1	7.8	9.5	11.9	16.2	23.0	40.0	76.3	130.3	200.0
-35°	4.5	6.1	7.8	9.5	11.8	16.0	22.4	38.8	72.2	124.2	192.4
-37.5°	4.5	6.1	7.8	9.4	11.7	15.8	22.1	36.8	66.4	115.5	180.1
-40°	4.5	6.0	7.8	9.4	11.6	15.6	21.7	34.0	58.8	106.6	165.9
-42.5°	4.5	6.0	7.7	9.4	11.5	15.4	21.0	30.4	53.1	95.0	149.0
-45°	4.5	5.9	7.7	9.3	11.4	15.0	20.3	27.6	48.1	81.5	130.1
-47.5°	4.5	5.9	7.6	9.3	11.4	14.6	19.3	26.5	42.0	66.5	112.9
-50°	4.5	5.8	7.6	9.2	11.3	14.2	18.7	25.1	34.8	58.1	93.7
-52.5°	4.5	5.8	7.5	9.1	11.2	13.6	17.9	23.6	31.1	48.8	73.9
-55°	4.5	5.7	7.4	9.0	11.0	13.3	17.1	22.0	29.0	38.6	62.0
-57.5°	4.5	5.6	7.4	8.9	10.8	13.1	16.2	20.8	26.7	34.1	49.1
-60°	4.5	5.6	7.3	8.7	10.6	12.8	15.3	19.5	24.5	31.2	38.7
-62.5°	4.5	5.5	7.1	8.5	10.3	12.5	14.8	18.2	23.0	28.0	35.0
-65°	4.5	5.4	6.9	8.3	10.0	12.1	14.3	17.1	21.4	25.9	31.0
-67.5°	4.5	5.3	6.7	8.1	9.6	11.6	13.8	16.4	19.8	24.1	28.4
-70°	4.5	5.3	6.5	7.9	9.2	11.0	13.2	15.7	18.7	22.3	26.3
-72.5°	4.5	5.2	6.3	7.6	8.7	10.3	12.3	14.8	17.6	20.7	24.2
-75°	4.5	5.1	6.0	7.2	8.3	9.6	11.3	13.7	16.3	19.0	22.1
-77.5°	4.5	5.0	5.8	6.9	7.9	8.9	10.2	12.5	14.9	17.3	19.9
-80°	4.5	4.9	5.5	6.6	7.5	8.3	9.1	11.2	13.5	15.7	17.9
-82.5°	4.5	4.8	5.3	6.3	7.2	7.9	8.6	10.2	12.0	14.1	16.1
-85°	4.5	4.7	5.0	5.9	6.8	7.5	8.3	9.6	11.0	12.6	14.3
-87.5°	4.5	4.6	4.8	5.6	6.4	7.2	7.9	8.9	10.0	11.2	12.4
-90°	4.5	4.5	4.5	4.1	3.8	3.4	3.0	3.0	3.0	3.0	3.0



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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°	10.5	10.5	10.5	10.5	10.9	11.3	11.6	12.0	12.4	12.8	13.1
87.5°	2.8	2.6	2.5	2.4	2.2	2.0	1.8	1.5	1.5	1.5	1.5
85°	3.0	3.0	3.0	3.0	2.7	2.5	2.3	2.1	2.0	1.9	1.7
82.5°	3.4	3.4	3.2	3.0	2.9	2.9	3.0	3.0	2.7	2.5	2.3
80°	4.0	3.8	3.6	3.5	3.5	3.5	3.3	3.1	3.0	3.1	3.3
77.5°	4.3	4.2	4.2	4.3	4.2	4.0	3.8	3.8	4.0	4.2	4.4
75°	4.4	4.5	4.6	4.6	4.4	4.4	4.5	4.8	5.0	5.0	4.9
72.5°	4.7	4.9	4.9	4.7	4.8	5.2	5.5	5.9	6.6	7.4	8.2
70°	5.4	5.4	5.3	5.4	5.7	6.3	7.6	9.3	10.9	12.9	15.6
67.5°	5.9	5.7	5.8	6.2	7.2	8.7	10.5	16.6	23.5	26.5	27.4
65°	6.0	6.0	6.6	7.6	8.9	13.6	20.3	28.5	36.2	37.0	35.7
62.5°	6.1	6.6	7.6	9.8	14.3	20.7	27.8	35.6	44.3	44.7	39.1
60°	6.7	7.4	9.7	14.0	19.2	25.0	32.8	39.1	46.3	49.6	37.9
57.5°	7.5	8.8	12.6	17.7	23.0	27.3	31.5	38.0	41.8	42.5	31.3
55°	8.7	10.7	15.5	21.4	25.2	24.2	27.7	31.3	32.8	30.5	21.8
52.5°	10.5	12.9	19.0	24.0	24.8	22.8	22.7	24.5	22.7	19.5	17.0
50°	12.1	16.6	22.2	25.4	24.7	21.7	18.3	18.0	17.3	16.2	14.6
47.5°	14.9	20.2	24.9	26.9	23.8	20.6	16.6	16.0	16.0	15.4	14.1
45°	17.9	23.0	27.9	26.1	23.2	20.1	18.4	16.5	16.5	16.7	17.6
42.5°	20.8	25.3	27.7	25.4	23.4	22.5	22.2	19.7	19.6	23.7	25.2
40°	22.7	27.2	27.7	27.3	25.2	27.3	27.9	28.1	29.3	33.7	35.9
37.5°	24.2	27.9	29.7	32.5	30.5	33.8	35.3	51.7	53.8	45.4	62.3
35°	25.5	29.3	36.9	45.0	47.7	42.3	63.9	86.5	94.3	89.1	108.3
32.5°	26.9	31.3	46.6	66.2	84.1	79.5	100.5	139.5	164.4	177.1	192.4
30°	29.7	40.4	61.9	93.1	139.3	167.0	168.6	210.1	255.9	337.4	410.8
27.5°	34.3	52.4	87.8	144.3	215.5	273.3	284.1	310.9	415.9	569.9	763.9
25°	39.7	81.4	117.4	213.8	318.7	383.8	402.7	448.3	630.4	983.8	1175.4
22.5°	54.4	120.1	167.7	294.8	434.4	490.6	530.2	695.6	1024.5	1491.5	1635.4
20°	82.2	164.9	230.2	364.3	551.2	596.2	655.6	1010.4	1537.6	1926.5	2122.0
17.5°	115.1	210.1	292.6	432.9	597.5	680.6	806.4	1370.8	2067.5	2346.9	2550.3
15°	151.8	255.4	346.8	493.4	638.3	736.7	1042.7	1789.9	2515.9	2747.0	2946.1
12.5°	191.1	300.3	393.4	545.9	678.7	788.8	1257.7	2084.5	2731.4	3058.3	3314.8
10°	231.5	344.3	433.4	590.8	717.9	836.8	1459.1	2337.0	2840.3	3111.0	3394.1
7.5°	256.6	372.4	464.0	628.7	755.3	880.5	1641.6	2547.1	2915.4	3127.5	3337.2
5°	275.5	382.1	471.8	645.6	783.2	912.6	1779.0	2714.2	2963.0	3115.0	3238.1
2.5°	289.8	388.7	477.0	654.9	804.2	928.8	1792.1	2740.5	2948.5	3091.2	3176.1
0°	299.3	392.5	479.7	658.7	821.1	939.9	1765.6	2726.6	2916.1	3063.5	3162.7
-2.5°	309.8	403.9	501.3	670.3	822.6	940.3	1740.4	2699.5	2948.2	3146.1	3310.9
-5°	316.2	413.1	519.7	677.5	819.9	936.6	1683.7	2630.2	2944.2	3152.6	3354.7
-7.5°	319.1	420.1	534.1	679.5	808.2	918.6	1587.4	2464.9	2820.3	3015.3	3265.4
-10°	320.2	429.2	540.8	668.9	785.3	890.5	1459.2	2274.0	2692.3	2870.7	3133.6
-12.5°	323.2	440.0	545.0	658.4	762.1	859.4	1302.5	2064.7	2563.4	2720.4	2988.1
-15°	323.3	448.7	548.1	649.3	739.5	825.6	1118.4	1843.5	2493.0	2747.9	2968.0
-17.5°	320.6	455.3	550.3	642.9	718.8	789.5	914.8	1646.0	2448.5	2807.2	3024.3
-20°	315.4	459.9	552.3	640.3	701.4	772.7	872.3	1425.8	2222.7	2834.2	3099.2



REPORT NUMBER: P701723 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	308.1	462.6	554.1	638.3	707.0	774.5	858.3	1176.2	1908.9	2830.8	3101.4
-25°	304.5	449.6	553.8	637.9	715.4	777.9	841.8	938.8	1571.6	2428.0	3019.2
-27.5°	303.2	434.7	544.3	631.7	723.1	783.4	838.7	917.5	1248.9	1945.5	2850.8
-30°	297.3	410.1	530.5	619.1	715.5	789.8	844.2	894.1	985.4	1529.9	2283.3
-32.5°	283.7	384.5	504.2	600.7	697.2	795.8	846.2	889.1	956.5	1117.5	1729.5
-35°	267.7	364.1	473.2	577.3	671.7	775.3	843.0	888.1	932.3	1010.2	1287.7
-37.5°	253.2	340.7	441.6	546.5	641.3	738.6	835.8	883.5	928.0	983.7	1089.3
-40°	236.0	314.3	411.7	511.5	606.1	699.9	794.1	876.8	921.6	994.0	1063.7
-42.5°	216.1	292.1	379.6	475.4	566.1	658.0	750.2	838.8	931.7	1004.4	1074.1
-45°	194.3	266.8	345.5	432.6	521.7	611.4	700.9	793.0	905.0	1015.8	1085.6
-47.5°	169.4	238.5	313.4	385.4	471.2	559.0	646.8	743.4	854.3	969.9	1094.6
-50°	143.1	207.0	275.4	341.5	414.4	499.9	586.1	683.3	787.6	899.5	1017.0
-52.5°	119.1	172.1	233.7	297.7	361.3	432.6	518.8	611.1	708.8	814.0	916.6
-55°	92.9	139.7	188.7	248.9	311.2	371.8	442.0	528.4	618.4	713.7	806.3
-57.5°	73.3	106.3	147.6	195.5	254.1	315.3	375.7	441.0	520.8	604.9	682.1
-60°	57.2	78.9	108.9	148.1	191.4	247.7	307.4	366.6	428.3	489.8	556.4
-62.5°	42.4	59.0	78.3	103.7	140.1	178.5	228.2	283.4	340.7	391.8	440.1
-65°	37.7	42.6	55.8	73.4	91.3	123.0	158.1	195.0	242.9	287.9	331.6
-67.5°	32.7	37.3	41.6	48.2	63.9	79.7	95.3	125.9	157.9	186.6	217.2
-70°	29.6	32.2	36.0	39.7	43.3	50.0	63.7	77.1	89.9	105.5	129.6
-72.5°	26.8	28.9	31.3	34.0	37.1	40.2	43.4	46.6	54.7	65.3	74.8
-75°	24.1	25.4	27.2	29.2	31.5	33.7	35.9	38.5	41.3	44.3	47.4
-77.5°	21.4	22.5	23.6	24.7	26.1	28.0	29.9	31.7	33.4	35.1	36.7
-80°	18.9	19.6	20.4	21.3	22.3	23.4	24.5	25.7	27.0	28.3	29.7
-82.5°	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.5	21.2	22.0	22.8
-85°	14.7	15.0	15.3	15.7	16.0	16.3	16.6	16.9	17.2	17.4	17.7
-87.5°	12.6	12.7	12.9	13.1	13.4	13.7	13.9	14.1	14.3	14.5	14.6
-90°	2.6	2.3	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.5	13.9	14.3	14.6	15.0	15.4	15.8	16.1	16.5	16.5	16.5
87.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	0.7
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	2.2	2.1	2.0	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	3.4	3.2	3.0	2.7	2.5	2.3	2.1	1.8	1.5	1.5	1.5
77.5°	4.5	4.2	3.8	3.5	3.1	2.9	2.8	2.7	2.7	2.8	2.9
75°	4.6	4.5	4.7	4.7	4.5	4.3	4.1	3.7	3.1	3.0	3.0
72.5°	8.9	9.2	9.1	8.9	8.2	7.6	7.3	7.0	6.6	6.5	6.4
70°	17.0	17.2	16.5	15.0	12.7	11.2	10.6	9.8	8.9	8.9	9.3
67.5°	26.0	23.8	21.7	19.2	16.1	14.0	13.2	12.4	11.6	11.2	11.1
65°	32.1	25.2	21.5	19.0	17.5	15.7	14.0	12.4	10.8	9.7	9.4
62.5°	31.7	22.2	17.9	15.8	14.3	13.2	11.5	10.1	8.8	7.9	7.8
60°	27.5	18.4	13.7	12.3	11.3	10.5	9.6	8.7	8.0	7.5	7.5
57.5°	21.5	14.3	10.5	10.3	9.9	9.3	8.8	8.3	7.9	7.5	7.9
55°	15.6	12.5	10.6	10.4	10.1	9.5	8.9	8.8	8.7	8.5	9.1
52.5°	13.5	12.3	11.8	11.5	10.9	10.5	10.4	10.4	10.5	10.8	11.0
50°	13.3	12.8	12.5	11.9	11.8	11.9	11.9	12.3	12.8	12.9	13.0
47.5°	13.8	13.7	14.2	13.3	13.6	14.6	14.8	15.1	16.2	16.4	16.4
45°	16.3	18.5	19.1	19.0	18.5	24.1	25.3	23.2	31.8	30.5	23.8
42.5°	25.2	27.9	29.7	35.0	43.1	48.3	62.4	85.6	76.6	57.7	37.3
40°	43.2	42.5	50.6	60.6	66.6	77.5	94.7	117.0	107.9	91.7	97.9
37.5°	76.1	77.1	79.8	92.9	97.7	85.7	110.9	109.1	92.5	118.3	121.4
35°	139.8	154.6	131.3	159.8	166.6	156.3	165.6	183.2	158.4	191.6	202.3
32.5°	251.4	277.0	278.1	284.7	308.4	331.2	337.7	385.2	400.6	440.6	483.6
30°	401.5	448.9	489.1	500.0	531.6	588.1	634.6	726.1	824.0	897.6	994.2
27.5°	723.8	681.0	770.7	879.8	845.0	927.0	1094.9	1227.0	1422.1	1562.6	1638.5
25°	1170.7	1101.1	1264.5	1430.9	1431.2	1445.2	1688.1	1899.9	2059.6	2186.4	2297.6
22.5°	1698.2	1784.9	1931.4	2124.6	2023.9	2115.7	2356.9	2528.9	2752.7	2972.0	3629.1
20°	2289.2	2464.8	2585.3	2556.4	2552.0	2708.2	2920.4	3252.3	3929.2	6315.2	8593.7
17.5°	2810.1	3023.3	3012.7	2891.4	2948.9	3210.9	3596.0	4884.9	8304.2	16053.6	23306.0
15°	3214.0	3309.0	3246.5	3173.9	3302.5	3694.9	4658.1	8826.0	19202.2	31612.0	45776.8
12.5°	3483.8	3446.5	3282.5	3294.4	3600.0	4151.4	7424.9	17179.6	32183.1	49806.8	85419.7
10°	3588.1	3486.0	3342.5	3475.3	3892.2	5219.3	9986.5	23853.2	46536.7	83176.9	131178.4
7.5°	3517.1	3430.1	3389.6	3624.2	4179.1	6912.3	15523.5	33738.4	66706.2	113956.4	181506.7
5°	3471.2	3413.0	3421.7	3721.9	4360.5	8157.1	19436.8	39957.2	82742.8	143722.0	229660.6
2.5°	3468.5	3433.9	3449.1	3789.9	4462.8	8794.3	21641.3	40992.8	88375.9	159912.7	269061.7
0°	3505.6	3483.0	3469.5	3803.4	4414.0	8170.7	20762.9	42656.7	92240.4	167217.4	286179.2
-2.5°	3678.8	3494.2	3486.5	3802.6	4467.9	8634.5	21277.1	42082.1	90845.6	160466.2	267816.6
-5°	3637.4	3428.6	3395.3	3660.7	4281.9	7775.4	18627.4	38864.0	79798.4	136445.2	220743.7
-7.5°	3473.0	3333.5	3274.3	3485.5	4025.7	6526.2	14445.8	30683.5	60089.6	102847.3	159068.9
-10°	3339.4	3247.3	3159.7	3306.0	3716.5	4987.5	9209.0	20584.7	40873.5	69938.2	102135.4
-12.5°	3269.1	3225.6	3067.7	3108.6	3395.4	3959.2	6443.6	13913.8	25597.1	37977.3	62038.6
-15°	3219.4	3186.4	3038.5	3028.8	3189.0	3522.2	4244.9	7217.1	14314.1	23226.7	32777.4
-17.5°	3174.4	3162.3	3084.0	2999.0	3019.0	3212.1	3610.1	4665.5	7320.2	12985.5	19158.6
-20°	3196.1	3203.1	3143.2	3054.5	3022.8	3047.8	3254.5	3618.2	4290.7	6580.9	9377.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3189.2	3209.7	3193.6	3199.9	3161.8	3103.7	3062.8	3221.5	3476.0	3883.2	4917.7
-25°	3188.6	3216.7	3336.1	3489.0	3473.1	3334.4	3189.1	3063.3	3208.9	3384.8	3641.5
-27.5°	3141.4	3323.9	3621.2	3846.7	3911.4	3759.4	3556.1	3344.7	3321.5	3316.0	3414.7
-30°	3125.8	3518.1	3868.9	4190.2	4235.5	4158.9	4064.8	3914.1	3752.4	3662.8	3615.1
-32.5°	2654.1	3603.7	4032.7	4321.8	4393.4	4390.0	4411.2	4339.7	4289.2	4231.3	4149.6
-35°	2015.0	3011.6	4061.6	4194.9	4311.4	4415.3	4554.2	4589.8	4617.8	4649.8	4678.4
-37.5°	1407.1	2184.0	3056.4	3817.6	4059.5	4240.1	4486.3	4666.9	4817.2	4891.7	4981.1
-40°	1165.7	1380.4	2056.3	2699.6	3333.5	3918.2	4183.3	4491.0	4778.8	4938.8	5085.1
-42.5°	1141.7	1218.1	1299.4	1748.0	2284.6	2836.4	3378.5	3869.9	4393.5	4742.7	4999.6
-45°	1149.4	1188.0	1235.4	1314.2	1398.3	1819.4	2273.6	2737.3	3309.5	3868.6	4356.6
-47.5°	1148.4	1183.7	1221.2	1259.3	1309.5	1388.0	1468.7	1599.9	2005.7	2434.8	2849.9
-50°	1108.6	1180.2	1215.3	1250.9	1287.4	1326.2	1367.0	1424.6	1493.2	1557.5	1609.6
-52.5°	1008.2	1092.6	1173.7	1241.6	1275.1	1309.2	1345.4	1393.3	1438.4	1480.6	1502.6
-55°	894.7	978.7	1060.8	1133.7	1202.6	1268.9	1330.5	1374.4	1419.4	1465.1	1483.9
-57.5°	764.2	849.0	930.5	998.5	1067.2	1135.9	1199.7	1260.9	1322.0	1379.8	1412.1
-60°	625.3	696.0	769.0	838.8	905.6	969.1	1028.4	1086.4	1142.0	1190.5	1221.1
-62.5°	488.8	544.5	606.1	666.7	725.3	782.0	836.8	889.0	938.2	979.7	1008.6
-65°	374.2	415.8	458.2	501.8	546.4	595.2	641.2	684.7	725.4	759.2	784.3
-67.5°	254.1	290.1	324.5	356.8	389.5	423.9	458.8	491.7	522.2	547.1	566.6
-70°	152.8	175.2	197.0	220.3	246.6	271.7	296.3	319.6	341.4	358.4	371.2
-72.5°	83.3	91.3	102.2	120.0	136.6	151.9	165.9	178.6	190.0	199.4	207.1
-75°	50.6	54.8	61.3	67.7	73.8	79.7	85.3	90.4	95.0	98.9	102.2
-77.5°	38.8	41.0	43.1	45.1	46.9	48.9	50.9	52.7	54.4	55.9	57.4
-80°	31.0	32.2	33.4	34.6	35.6	36.9	38.2	39.4	40.6	41.4	42.2
-82.5°	23.7	24.9	26.0	27.0	27.9	28.6	29.3	30.0	30.7	31.3	31.9
-85°	17.9	18.8	19.6	20.5	21.4	21.7	22.0	22.1	22.3	22.8	23.2
-87.5°	14.7	15.1	15.5	16.0	16.4	16.8	17.2	17.6	17.9	18.4	18.8
-90°	1.5	1.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701723 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.1
87.5°	0.4	0.0	0.7	1.5	0.7	0.0	0.4	0.7	1.1	1.4	1.4
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
77.5°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7
75°	3.0	3.0	3.7	4.5	3.7	3.0	3.0	3.0	3.0	3.1	3.7
72.5°	6.2	6.0	6.0	6.0	6.0	6.0	6.2	6.4	6.5	6.6	7.0
70°	9.8	10.3	10.5	10.5	10.5	10.3	9.8	9.3	8.9	8.9	9.8
67.5°	10.9	10.6	9.1	7.5	9.1	10.6	10.9	11.1	11.2	11.6	12.4
65°	9.2	9.1	8.3	7.5	8.3	9.1	9.2	9.4	9.7	10.8	12.4
62.5°	7.7	7.6	7.5	7.5	7.5	7.6	7.7	7.8	7.9	8.8	10.1
60°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.0	8.7
57.5°	8.3	8.8	9.0	9.0	9.0	8.8	8.3	7.9	7.5	7.9	8.3
55°	9.7	10.2	10.5	10.5	10.5	10.2	9.7	9.1	8.5	8.7	8.8
52.5°	11.0	10.7	11.0	12.0	11.0	10.7	11.0	11.0	10.8	10.5	10.4
50°	13.1	13.3	13.5	13.5	13.5	13.3	13.1	13.0	12.9	12.8	12.3
47.5°	16.6	16.5	16.4	16.5	16.4	16.5	16.6	16.4	16.4	16.2	15.1
45°	24.7	25.1	25.8	27.1	25.8	25.1	24.7	23.8	30.5	31.8	23.2
42.5°	39.0	39.9	40.3	40.6	40.3	39.9	39.0	37.3	57.7	76.6	85.6
40°	92.9	73.8	55.2	55.6	55.2	73.8	92.9	97.9	91.7	107.9	117.0
37.5°	106.7	97.0	93.1	91.7	93.1	97.0	106.7	121.4	118.3	92.5	109.1
35°	202.0	205.5	200.9	203.0	200.9	205.5	202.0	202.3	191.6	158.4	183.2
32.5°	497.3	517.6	510.4	512.8	510.4	517.6	497.3	483.6	440.6	400.6	385.2
30°	1033.2	1095.2	1109.3	1105.4	1109.3	1095.2	1033.2	994.2	897.6	824.0	726.1
27.5°	1669.0	1718.2	1728.3	1719.0	1728.3	1718.2	1669.0	1638.5	1562.6	1422.1	1227.0
25°	2359.1	2405.9	2432.4	2419.8	2432.4	2405.9	2359.1	2297.6	2186.4	2059.6	1899.9
22.5°	4390.0	4603.1	4706.9	4848.6	4706.9	4603.1	4390.0	3629.1	2972.0	2752.7	2528.9
20°	12946.9	14418.6	14139.7	13835.9	14139.7	14418.6	12946.9	8593.7	6315.2	3929.2	3252.3
17.5°	32317.1	39553.4	42999.2	41596.5	42999.2	39553.4	32317.1	23306.0	16053.6	8304.2	4884.9
15°	66097.9	86316.3	98137.8	94982.0	98137.8	86316.3	66097.9	45776.8	31612.0	19202.2	8826.0
12.5°	119736.8	151869.8	176486.7	180010.4	176486.7	151869.8	119736.8	85419.7	49806.8	32183.1	17179.6
10°	188305.0	247683.8	296618.2	312595.3	296618.2	247683.8	188305.0	131178.4	83176.9	46536.7	23853.2
7.5°	270035.0	349301.6	405736.6	421423.0	405736.6	349301.6	270035.0	181506.7	113956.4	66706.2	33738.4
5°	335583.5	426808.8	489304.0	508499.7	489304.0	426808.8	335583.5	229660.6	143722.0	82742.8	39957.2
2.5°	384681.3	480368.1	550057.0	581900.0	550057.0	480368.1	384681.3	269061.7	159912.7	88375.9	40992.8
0°	403701.0	500126.0	578271.8	623525.7	578271.8	500126.0	403701.0	286179.2	167217.4	92240.4	42656.7
-2.5°	385095.5	474743.7	534921.1	564596.0	534921.1	474743.7	385095.5	267816.6	160466.2	90845.6	42082.1
-5°	320604.3	399931.2	451826.0	472776.0	451826.0	399931.2	320604.3	220743.7	136445.2	79798.4	38864.0
-7.5°	229720.8	294838.6	333520.4	351172.6	333520.4	294838.6	229720.8	159068.9	102847.3	60089.6	30683.5
-10°	149247.4	185291.0	224292.7	232640.3	224292.7	185291.0	149247.4	102135.4	69938.2	40873.5	20584.7
-12.5°	84082.3	106826.3	126210.3	133206.0	126210.3	106826.3	84082.3	62038.6	37977.3	25597.1	13913.8
-15°	45491.2	58449.8	65432.1	67149.3	65432.1	58449.8	45491.2	32777.4	23226.7	14314.1	7217.1
-17.5°	26118.0	32343.0	35905.0	37540.4	35905.0	32343.0	26118.0	19158.6	12985.5	7320.2	4665.5
-20°	13956.8	17469.2	19474.8	20950.9	19474.8	17469.2	13956.8	9377.6	6580.9	4290.7	3618.2



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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°	6410.6	7493.2	8105.0	8796.3	8105.0	7493.2	6410.6	4917.7	3883.2	3476.0	3221.5
-25°	3864.5	4010.2	4097.9	4168.8	4097.9	4010.2	3864.5	3641.5	3384.8	3208.9	3063.3
-27.5°	3499.4	3547.1	3574.6	3603.4	3574.6	3547.1	3499.4	3414.7	3316.0	3321.5	3344.7
-30°	3574.0	3525.7	3509.0	3490.6	3509.0	3525.7	3574.0	3615.1	3662.8	3752.4	3914.1
-32.5°	4067.3	3973.4	3923.0	3875.6	3923.0	3973.4	4067.3	4149.6	4231.3	4289.2	4339.7
-35°	4667.3	4625.1	4602.9	4574.9	4602.9	4625.1	4667.3	4678.4	4649.8	4617.8	4589.8
-37.5°	4996.2	4988.8	4987.5	4973.4	4987.5	4988.8	4996.2	4981.1	4891.7	4817.2	4666.9
-40°	5102.0	5099.1	5091.7	5084.7	5091.7	5099.1	5102.0	5085.1	4938.8	4778.8	4491.0
-42.5°	5067.9	5113.3	5135.1	5135.8	5135.1	5113.3	5067.9	4999.6	4742.7	4393.5	3869.9
-45°	4667.5	4898.8	5033.4	5069.7	5033.4	4898.8	4667.5	4356.6	3868.6	3309.5	2737.3
-47.5°	3219.6	3545.8	3797.2	3955.3	3797.2	3545.8	3219.6	2849.9	2434.8	2005.7	1599.9
-50°	1655.0	1697.5	1740.3	1782.1	1740.3	1697.5	1655.0	1609.6	1557.5	1493.2	1424.6
-52.5°	1520.2	1537.9	1548.9	1555.0	1548.9	1537.9	1520.2	1502.6	1480.6	1438.4	1393.3
-55°	1500.9	1517.3	1525.5	1528.0	1525.5	1517.3	1500.9	1483.9	1465.1	1419.4	1374.4
-57.5°	1439.9	1462.9	1476.5	1482.8	1476.5	1462.9	1439.9	1412.1	1379.8	1322.0	1260.9
-60°	1246.7	1267.1	1280.8	1288.8	1280.8	1267.1	1246.7	1221.1	1190.5	1142.0	1086.4
-62.5°	1032.5	1051.5	1062.1	1066.3	1062.1	1051.5	1032.5	1008.6	979.7	938.2	889.0
-65°	805.1	821.5	838.1	851.2	838.1	821.5	805.1	784.3	759.2	725.4	684.7
-67.5°	583.2	596.4	611.0	622.6	611.0	596.4	583.2	566.6	547.1	522.2	491.7
-70°	381.2	388.5	400.4	410.6	400.4	388.5	381.2	371.2	358.4	341.4	319.6
-72.5°	213.3	217.9	226.7	234.6	226.7	217.9	213.3	207.1	199.4	190.0	178.6
-75°	104.9	107.1	108.0	108.3	108.0	107.1	104.9	102.2	98.9	95.0	90.4
-77.5°	58.7	59.8	60.1	60.2	60.1	59.8	58.7	57.4	55.9	54.4	52.7
-80°	42.8	43.4	44.3	45.1	44.3	43.4	42.8	42.2	41.4	40.6	39.4
-82.5°	32.5	33.0	33.1	33.1	33.1	33.0	32.5	31.9	31.3	30.7	30.0
-85°	23.6	24.1	24.1	24.1	24.1	24.1	23.6	23.2	22.8	22.3	22.1
-87.5°	19.2	19.6	19.6	19.6	19.6	19.6	19.2	18.8	18.4	17.9	17.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.8	15.4	15.0	14.6	14.3	13.9	13.5	13.1	12.8	12.4	12.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.9	2.0	2.1
82.5°	1.5	1.5	1.5	1.8	2.0	2.1	2.2	2.3	2.5	2.7	3.0
80°	2.1	2.3	2.5	2.7	3.0	3.2	3.4	3.3	3.1	3.0	3.1
77.5°	2.8	2.9	3.1	3.5	3.8	4.2	4.5	4.4	4.2	4.0	3.8
75°	4.1	4.3	4.5	4.7	4.7	4.5	4.6	4.9	5.0	5.0	4.8
72.5°	7.3	7.6	8.2	8.9	9.1	9.2	8.9	8.2	7.4	6.6	5.9
70°	10.6	11.2	12.7	15.0	16.5	17.2	17.0	15.6	12.9	10.9	9.3
67.5°	13.2	14.0	16.1	19.2	21.7	23.8	26.0	27.4	26.5	23.5	16.6
65°	14.0	15.7	17.5	19.0	21.5	25.2	32.1	35.7	37.0	36.2	28.5
62.5°	11.5	13.2	14.3	15.8	17.9	22.2	31.7	39.1	44.7	44.3	35.6
60°	9.6	10.5	11.3	12.3	13.7	18.4	27.5	37.9	49.6	46.3	39.1
57.5°	8.8	9.3	9.9	10.3	10.5	14.3	21.5	31.3	42.5	41.8	38.0
55°	8.9	9.5	10.1	10.4	10.6	12.5	15.6	21.8	30.5	32.8	31.3
52.5°	10.4	10.5	10.9	11.5	11.8	12.3	13.5	17.0	19.5	22.7	24.5
50°	11.9	11.9	11.8	11.9	12.5	12.8	13.3	14.6	16.2	17.3	18.0
47.5°	14.8	14.6	13.6	13.3	14.2	13.7	13.8	14.1	15.4	16.0	16.0
45°	25.3	24.1	18.5	19.0	19.1	18.5	16.3	17.6	16.7	16.5	16.5
42.5°	62.4	48.3	43.1	35.0	29.7	27.9	25.2	25.2	23.7	19.6	19.7
40°	94.7	77.5	66.6	60.6	50.6	42.5	43.2	35.9	33.7	29.3	28.1
37.5°	110.9	85.7	97.7	92.9	79.8	77.1	76.1	62.3	45.4	53.8	51.7
35°	165.6	156.3	166.6	159.8	131.3	154.6	139.8	108.3	89.1	94.3	86.5
32.5°	337.7	331.2	308.4	284.7	278.1	277.0	251.4	192.4	177.1	164.4	139.5
30°	634.6	588.1	531.6	500.0	489.1	448.9	401.5	410.8	337.4	255.9	210.1
27.5°	1094.9	927.0	845.0	879.8	770.7	681.0	723.8	763.9	569.9	415.9	310.9
25°	1688.1	1445.2	1431.2	1430.9	1264.5	1101.1	1170.7	1175.4	983.8	630.4	448.3
22.5°	2356.9	2115.7	2023.9	2124.6	1931.4	1784.9	1698.2	1635.4	1491.5	1024.5	695.6
20°	2920.4	2708.2	2552.0	2556.4	2585.3	2464.8	2289.2	2122.0	1926.5	1537.6	1010.4
17.5°	3596.0	3210.9	2948.9	2891.4	3012.7	3023.3	2810.1	2550.3	2346.9	2067.5	1370.8
15°	4658.1	3694.9	3302.5	3173.9	3246.5	3309.0	3214.0	2946.1	2747.0	2515.9	1789.9
12.5°	7424.9	4151.4	3600.0	3294.4	3282.5	3446.5	3483.8	3314.8	3058.3	2731.4	2084.5
10°	9986.5	5219.3	3892.2	3475.3	3342.5	3486.0	3588.1	3394.1	3111.0	2840.3	2337.0
7.5°	15523.5	6912.3	4179.1	3624.2	3389.6	3430.1	3517.1	3337.2	3127.5	2915.4	2547.1
5°	19436.8	8157.1	4360.5	3721.9	3421.7	3413.0	3471.2	3238.1	3115.0	2963.0	2714.2
2.5°	21641.3	8794.3	4462.8	3789.9	3449.1	3433.9	3468.5	3176.1	3091.2	2948.5	2740.5
0°	20762.9	8170.7	4414.0	3803.4	3469.5	3483.0	3505.6	3162.7	3063.5	2916.1	2726.6
-2.5°	21277.1	8634.5	4467.9	3802.6	3486.5	3494.2	3678.8	3310.9	3146.1	2948.2	2699.5
-5°	18627.4	7775.4	4281.9	3660.7	3395.3	3428.6	3637.4	3354.7	3152.6	2944.2	2630.2
-7.5°	14445.8	6526.2	4025.7	3485.5	3274.3	3333.5	3473.0	3265.4	3015.3	2820.3	2464.9
-10°	9209.0	4987.5	3716.5	3306.0	3159.7	3247.3	3339.4	3133.6	2870.7	2692.3	2274.0
-12.5°	6443.6	3959.2	3395.4	3108.6	3067.7	3225.6	3269.1	2988.1	2720.4	2563.4	2064.7
-15°	4244.9	3522.2	3189.0	3028.8	3038.5	3186.4	3219.4	2968.0	2747.9	2493.0	1843.5
-17.5°	3610.1	3212.1	3019.0	2999.0	3084.0	3162.3	3174.4	3024.3	2807.2	2448.5	1646.0
-20°	3254.5	3047.8	3022.8	3054.5	3143.2	3203.1	3196.1	3099.2	2834.2	2222.7	1425.8



REPORT NUMBER: P701723 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3062.8	3103.7	3161.8	3199.9	3193.6	3209.7	3189.2	3101.4	2830.8	1908.9	1176.2
-25°	3189.1	3334.4	3473.1	3489.0	3336.1	3216.7	3188.6	3019.2	2428.0	1571.6	938.8
-27.5°	3556.1	3759.4	3911.4	3846.7	3621.2	3323.9	3141.4	2850.8	1945.5	1248.9	917.5
-30°	4064.8	4158.9	4235.5	4190.2	3868.9	3518.1	3125.8	2283.3	1529.9	985.4	894.1
-32.5°	4411.2	4390.0	4393.4	4321.8	4032.7	3603.7	2654.1	1729.5	1117.5	956.5	889.1
-35°	4554.2	4415.3	4311.4	4194.9	4061.6	3011.6	2015.0	1287.7	1010.2	932.3	888.1
-37.5°	4486.3	4240.1	4059.5	3817.6	3056.4	2184.0	1407.1	1089.3	983.7	928.0	883.5
-40°	4183.3	3918.2	3333.5	2699.6	2056.3	1380.4	1165.7	1063.7	994.0	921.6	876.8
-42.5°	3378.5	2836.4	2284.6	1748.0	1299.4	1218.1	1141.7	1074.1	1004.4	931.7	838.8
-45°	2273.6	1819.4	1398.3	1314.2	1235.4	1188.0	1149.4	1085.6	1015.8	905.0	793.0
-47.5°	1468.7	1388.0	1309.5	1259.3	1221.2	1183.7	1148.4	1094.6	969.9	854.3	743.4
-50°	1367.0	1326.2	1287.4	1250.9	1215.3	1180.2	1108.6	1017.0	899.5	787.6	683.3
-52.5°	1345.4	1309.2	1275.1	1241.6	1173.7	1092.6	1008.2	916.6	814.0	708.8	611.1
-55°	1330.5	1268.9	1202.6	1133.7	1060.8	978.7	894.7	806.3	713.7	618.4	528.4
-57.5°	1199.7	1135.9	1067.2	998.5	930.5	849.0	764.2	682.1	604.9	520.8	441.0
-60°	1028.4	969.1	905.6	838.8	769.0	696.0	625.3	556.4	489.8	428.3	366.6
-62.5°	836.8	782.0	725.3	666.7	606.1	544.5	488.8	440.1	391.8	340.7	283.4
-65°	641.2	595.2	546.4	501.8	458.2	415.8	374.2	331.6	287.9	242.9	195.0
-67.5°	458.8	423.9	389.5	356.8	324.5	290.1	254.1	217.2	186.6	157.9	125.9
-70°	296.3	271.7	246.6	220.3	197.0	175.2	152.8	129.6	105.5	89.9	77.1
-72.5°	165.9	151.9	136.6	120.0	102.2	91.3	83.3	74.8	65.3	54.7	46.6
-75°	85.3	79.7	73.8	67.7	61.3	54.8	50.6	47.4	44.3	41.3	38.5
-77.5°	50.9	48.9	46.9	45.1	43.1	41.0	38.8	36.7	35.1	33.4	31.7
-80°	38.2	36.9	35.6	34.6	33.4	32.2	31.0	29.7	28.3	27.0	25.7
-82.5°	29.3	28.6	27.9	27.0	26.0	24.9	23.7	22.8	22.0	21.2	20.5
-85°	22.0	21.7	21.4	20.5	19.6	18.8	17.9	17.7	17.4	17.2	16.9
-87.5°	17.2	16.8	16.4	16.0	15.5	15.1	14.7	14.6	14.5	14.3	14.1
-90°	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P701723 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.6	11.3	10.9	10.5	10.5	10.5	10.5	10.5	9.8	9.0	8.3
87.5°	1.8	2.0	2.2	2.4	2.5	2.6	2.8	3.0	3.1	3.3	3.3
85°	2.3	2.5	2.7	3.0	3.0	3.0	3.0	3.0	3.3	3.5	3.7
82.5°	3.0	2.9	2.9	3.0	3.2	3.4	3.4	3.4	3.6	3.8	4.0
80°	3.3	3.5	3.5	3.5	3.6	3.8	4.0	4.1	4.2	4.3	4.5
77.5°	3.8	4.0	4.2	4.3	4.2	4.2	4.3	4.6	4.8	4.9	4.9
75°	4.5	4.4	4.4	4.6	4.6	4.5	4.4	4.6	5.0	5.3	5.4
72.5°	5.5	5.2	4.8	4.7	4.9	4.9	4.7	4.7	5.0	5.4	5.7
70°	7.6	6.3	5.7	5.4	5.3	5.4	5.4	5.2	5.1	5.4	5.8
67.5°	10.5	8.7	7.2	6.2	5.8	5.7	5.9	5.8	5.7	5.5	5.8
65°	20.3	13.6	8.9	7.6	6.6	6.0	6.0	6.3	6.2	6.0	5.9
62.5°	27.8	20.7	14.3	9.8	7.6	6.6	6.1	6.6	6.8	6.5	6.2
60°	32.8	25.0	19.2	14.0	9.7	7.4	6.7	6.8	7.1	7.0	6.6
57.5°	31.5	27.3	23.0	17.7	12.6	8.8	7.5	7.4	7.5	7.5	7.1
55°	27.7	24.2	25.2	21.4	15.5	10.7	8.7	8.1	8.0	7.9	7.5
52.5°	22.7	22.8	24.8	24.0	19.0	12.9	10.5	8.9	8.6	8.4	8.0
50°	18.3	21.7	24.7	25.4	22.2	16.6	12.1	10.2	9.3	8.9	8.5
47.5°	16.6	20.6	23.8	26.9	24.9	20.2	14.9	11.6	9.9	9.5	9.0
45°	18.4	20.1	23.2	26.1	27.9	23.0	17.9	12.9	11.0	10.1	9.6
42.5°	22.2	22.5	23.4	25.4	27.7	25.3	20.8	15.2	12.0	10.6	10.1
40°	27.9	27.3	25.2	27.3	27.7	27.2	22.7	17.6	13.0	11.3	10.6
37.5°	35.3	33.8	30.5	32.5	29.7	27.9	24.2	19.8	14.4	12.3	11.0
35°	63.9	42.3	47.7	45.0	36.9	29.3	25.5	21.6	16.6	13.2	11.5
32.5°	100.5	79.5	84.1	66.2	46.6	31.3	26.9	23.4	18.6	14.2	11.9
30°	168.6	167.0	139.3	93.1	61.9	40.4	29.7	25.6	20.6	15.2	12.5
27.5°	284.1	273.3	215.5	144.3	87.8	52.4	34.3	28.1	22.5	16.4	13.3
25°	402.7	383.8	318.7	213.8	117.4	81.4	39.7	30.9	24.4	18.0	14.1
22.5°	530.2	490.6	434.4	294.8	167.7	120.1	54.4	35.2	26.6	19.5	14.8
20°	655.6	596.2	551.2	364.3	230.2	164.9	82.2	39.9	28.8	20.8	15.6
17.5°	806.4	680.6	597.5	432.9	292.6	210.1	115.1	44.8	31.2	22.1	16.3
15°	1042.7	736.7	638.3	493.4	346.8	255.4	151.8	49.9	33.6	23.3	17.0
12.5°	1257.7	788.8	678.7	545.9	393.4	300.3	191.1	55.1	35.9	24.4	17.6
10°	1459.1	836.8	717.9	590.8	433.4	344.3	231.5	60.3	38.1	25.4	18.1
7.5°	1641.6	880.5	755.3	628.7	464.0	372.4	256.6	65.3	40.2	26.4	18.6
5°	1779.0	912.6	783.2	645.6	471.8	382.1	275.5	70.0	42.1	27.2	19.0
2.5°	1792.1	928.8	804.2	654.9	477.0	388.7	289.8	74.4	43.7	28.0	19.3
0°	1765.6	939.9	821.1	658.7	479.7	392.5	299.3	78.2	45.1	28.6	19.6
-2.5°	1740.4	940.3	822.6	670.3	501.3	403.9	309.8	100.6	59.5	36.7	23.3
-5°	1683.7	936.6	819.9	677.5	519.7	413.1	316.2	121.9	73.4	44.5	26.9
-7.5°	1587.4	918.6	808.2	679.5	534.1	420.1	319.1	141.6	86.2	51.7	30.2
-10°	1459.2	890.5	785.3	668.9	540.8	429.2	320.2	159.3	97.9	58.1	33.2
-12.5°	1302.5	859.4	762.1	658.4	545.0	440.0	323.2	174.2	108.0	63.7	35.8
-15°	1118.4	825.6	739.5	649.3	548.1	448.7	323.3	186.4	117.2	69.0	37.8
-17.5°	914.8	789.5	718.8	642.9	550.3	455.3	320.6	195.8	124.7	74.2	40.1
-20°	872.3	772.7	701.4	640.3	552.3	459.9	315.4	202.2	130.3	78.0	42.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	858.3	774.5	707.0	638.3	554.1	462.6	308.1	205.5	133.9	80.3	43.7
-25°	841.8	777.9	715.4	637.9	553.8	449.6	304.5	205.3	135.4	81.1	44.0
-27.5°	838.7	783.4	723.1	631.7	544.3	434.7	303.2	206.3	135.3	80.1	43.2
-30°	844.2	789.8	715.5	619.1	530.5	410.1	297.3	204.7	134.0	78.7	41.1
-32.5°	846.2	795.8	697.2	600.7	504.2	384.5	283.7	200.0	130.3	76.3	40.0
-35°	843.0	775.3	671.7	577.3	473.2	364.1	267.7	192.4	124.2	72.2	38.8
-37.5°	835.8	738.6	641.3	546.5	441.6	340.7	253.2	180.1	115.5	66.4	36.8
-40°	794.1	699.9	606.1	511.5	411.7	314.3	236.0	165.9	106.6	58.8	34.0
-42.5°	750.2	658.0	566.1	475.4	379.6	292.1	216.1	149.0	95.0	53.1	30.4
-45°	700.9	611.4	521.7	432.6	345.5	266.8	194.3	130.1	81.5	48.1	27.6
-47.5°	646.8	559.0	471.2	385.4	313.4	238.5	169.4	112.9	66.5	42.0	26.5
-50°	586.1	499.9	414.4	341.5	275.4	207.0	143.1	93.7	58.1	34.8	25.1
-52.5°	518.8	432.6	361.3	297.7	233.7	172.1	119.1	73.9	48.8	31.1	23.6
-55°	442.0	371.8	311.2	248.9	188.7	139.7	92.9	62.0	38.6	29.0	22.0
-57.5°	375.7	315.3	254.1	195.5	147.6	106.3	73.3	49.1	34.1	26.7	20.8
-60°	307.4	247.7	191.4	148.1	108.9	78.9	57.2	38.7	31.2	24.5	19.5
-62.5°	228.2	178.5	140.1	103.7	78.3	59.0	42.4	35.0	28.0	23.0	18.2
-65°	158.1	123.0	91.3	73.4	55.8	42.6	37.7	31.0	25.9	21.4	17.1
-67.5°	95.3	79.7	63.9	48.2	41.6	37.3	32.7	28.4	24.1	19.8	16.4
-70°	63.7	50.0	43.3	39.7	36.0	32.2	29.6	26.3	22.3	18.7	15.7
-72.5°	43.4	40.2	37.1	34.0	31.3	28.9	26.8	24.2	20.7	17.6	14.8
-75°	35.9	33.7	31.5	29.2	27.2	25.4	24.1	22.1	19.0	16.3	13.7
-77.5°	29.9	28.0	26.1	24.7	23.6	22.5	21.4	19.9	17.3	14.9	12.5
-80°	24.5	23.4	22.3	21.3	20.4	19.6	18.9	17.9	15.7	13.5	11.2
-82.5°	19.8	19.3	18.8	18.3	17.8	17.3	16.8	16.1	14.1	12.0	10.2
-85°	16.6	16.3	16.0	15.7	15.3	15.0	14.7	14.3	12.6	11.0	9.6
-87.5°	13.9	13.7	13.4	13.1	12.9	12.7	12.6	12.4	11.2	10.0	8.9
-90°	1.5	1.5	1.5	1.5	1.9	2.3	2.6	3.0	3.0	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.5	6.8	6.0	5.3	4.5	4.5	4.5
87.5°	3.4	3.6	3.9	4.2	4.5	4.5	4.5
85°	3.8	3.9	4.0	4.2	4.5	4.6	4.5
82.5°	4.2	4.1	4.1	4.3	4.5	4.6	4.5
80°	4.5	4.3	4.3	4.3	4.5	4.6	4.5
77.5°	4.9	4.6	4.4	4.4	4.5	4.7	4.5
75°	5.3	4.9	4.5	4.4	4.5	4.7	4.5
72.5°	5.7	5.2	4.8	4.5	4.5	4.7	4.5
70°	6.0	5.5	5.0	4.5	4.6	4.8	4.5
67.5°	6.0	5.9	5.3	4.7	4.6	4.8	4.5
65°	6.1	6.1	5.5	4.9	4.6	4.8	4.5
62.5°	6.2	6.2	5.8	5.1	4.7	4.9	4.5
60°	6.3	6.3	6.0	5.2	4.7	4.9	4.5
57.5°	6.6	6.4	6.1	5.4	4.8	5.0	4.5
55°	7.0	6.6	6.3	5.6	5.0	5.0	4.5
52.5°	7.4	6.8	6.5	5.7	5.1	5.1	4.5
50°	7.8	7.1	6.6	5.9	5.3	5.1	4.5
47.5°	8.1	7.4	6.8	6.0	5.4	5.1	4.5
45°	8.6	7.7	7.0	6.2	5.6	5.2	4.5
42.5°	9.1	8.0	7.2	6.3	5.7	5.2	4.5
40°	9.6	8.3	7.4	6.5	5.8	5.3	4.5
37.5°	10.1	8.5	7.6	6.7	6.0	5.3	4.5
35°	10.6	8.9	7.8	6.9	6.1	5.4	4.5
32.5°	11.1	9.3	8.0	7.1	6.2	5.4	4.5
30°	11.5	9.7	8.2	7.3	6.3	5.5	4.5
27.5°	11.8	10.1	8.4	7.4	6.5	5.5	4.5
25°	12.2	10.5	8.7	7.6	6.6	5.6	4.5
22.5°	12.5	10.9	8.9	7.8	6.7	5.6	4.5
20°	12.9	11.1	9.1	8.0	6.8	5.7	4.5
17.5°	13.2	11.4	9.3	8.1	6.9	5.7	4.5
15°	13.4	11.6	9.5	8.3	7.0	5.8	4.5
12.5°	13.7	11.7	9.7	8.4	7.1	5.8	4.5
10°	14.0	11.8	9.9	8.5	7.2	5.8	4.5
7.5°	14.3	11.9	10.1	8.7	7.3	5.9	4.5
5°	14.5	12.0	10.2	8.8	7.4	5.9	4.5
2.5°	14.8	12.0	10.4	8.9	7.4	6.0	4.5
0°	15.0	12.0	10.5	9.0	7.5	6.0	4.5
-2.5°	16.4	12.7	10.8	9.1	7.6	6.0	4.5
-5°	17.7	13.3	11.0	9.2	7.6	6.1	4.5
-7.5°	19.0	13.9	11.2	9.3	7.7	6.1	4.5
-10°	20.1	14.4	11.4	9.3	7.7	6.1	4.5
-12.5°	21.2	14.9	11.6	9.4	7.8	6.1	4.5
-15°	22.0	15.3	11.8	9.4	7.8	6.1	4.5
-17.5°	22.7	15.7	11.9	9.5	7.8	6.1	4.5
-20°	23.4	15.9	12.0	9.5	7.8	6.2	4.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.2	16.1	12.0	9.5	7.8	6.2	4.5
-25°	24.6	16.3	12.0	9.5	7.9	6.1	4.5
-27.5°	24.6	16.4	12.0	9.5	7.9	6.1	4.5
-30°	24.0	16.3	11.9	9.5	7.8	6.1	4.5
-32.5°	23.0	16.2	11.9	9.5	7.8	6.1	4.5
-35°	22.4	16.0	11.8	9.5	7.8	6.1	4.5
-37.5°	22.1	15.8	11.7	9.4	7.8	6.1	4.5
-40°	21.7	15.6	11.6	9.4	7.8	6.0	4.5
-42.5°	21.0	15.4	11.5	9.4	7.7	6.0	4.5
-45°	20.3	15.0	11.4	9.3	7.7	5.9	4.5
-47.5°	19.3	14.6	11.4	9.3	7.6	5.9	4.5
-50°	18.7	14.2	11.3	9.2	7.6	5.8	4.5
-52.5°	17.9	13.6	11.2	9.1	7.5	5.8	4.5
-55°	17.1	13.3	11.0	9.0	7.4	5.7	4.5
-57.5°	16.2	13.1	10.8	8.9	7.4	5.6	4.5
-60°	15.3	12.8	10.6	8.7	7.3	5.6	4.5
-62.5°	14.8	12.5	10.3	8.5	7.1	5.5	4.5
-65°	14.3	12.1	10.0	8.3	6.9	5.4	4.5
-67.5°	13.8	11.6	9.6	8.1	6.7	5.3	4.5
-70°	13.2	11.0	9.2	7.9	6.5	5.3	4.5
-72.5°	12.3	10.3	8.7	7.6	6.3	5.2	4.5
-75°	11.3	9.6	8.3	7.2	6.0	5.1	4.5
-77.5°	10.2	8.9	7.9	6.9	5.8	5.0	4.5
-80°	9.1	8.3	7.5	6.6	5.5	4.9	4.5
-82.5°	8.6	7.9	7.2	6.3	5.3	4.8	4.5
-85°	8.3	7.5	6.8	5.9	5.0	4.7	4.5
-87.5°	7.9	7.2	6.4	5.6	4.8	4.6	4.5
-90°	3.0	3.4	3.8	4.1	4.5	4.5	4.5

(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

