

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: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-2S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-2S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

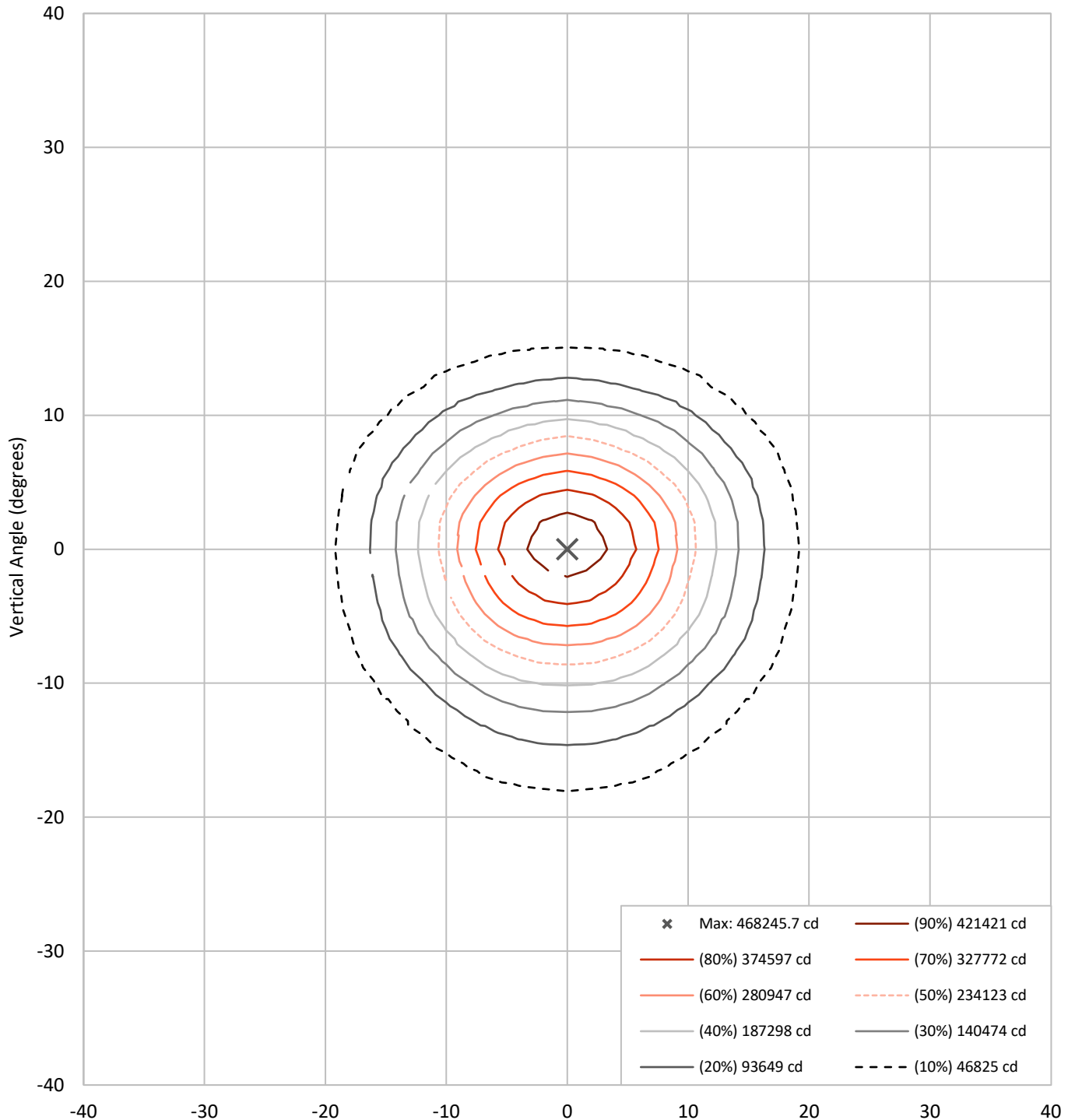
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	63156.7 lumens	Max Intensity:	468245.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	89.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	27638.9 lumens	Field Lumens:	53497.1 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 703.6
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





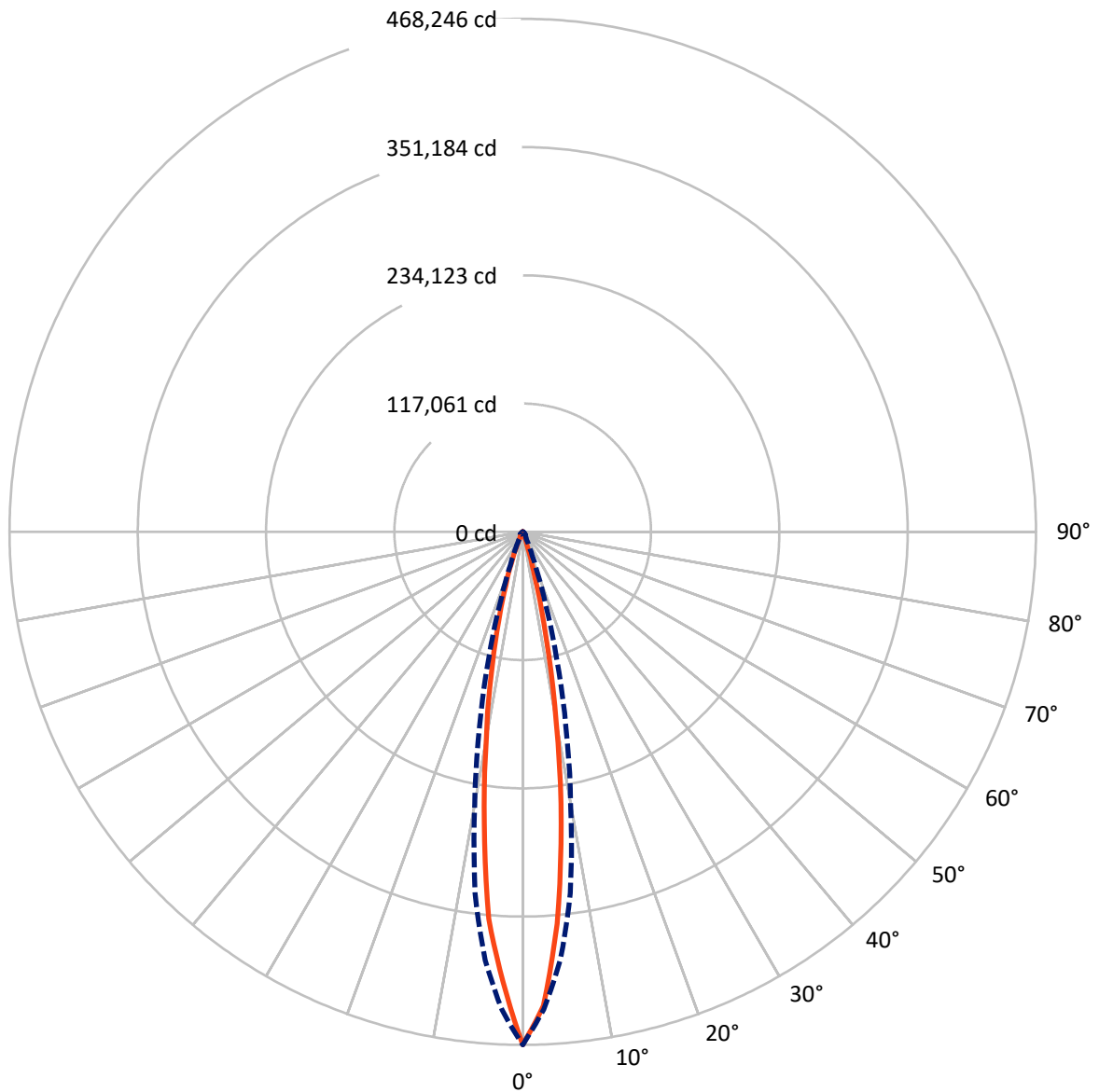
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Lumen Table

90	0.2	0.5	0.7	0.8	1.0	0.8	0.7	0.5	0.2										
80	0.2	0.5	0.7	0.8	1.0	0.8	0.7	0.5	0.2										
70	0.2	0.1	0.2	0.7	0.8	0.4	0.2	0.2	0.2	0.2	0.4	0.8	0.7	0.2	0.1	0.2			
60		0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1				
50	0.2	0.2	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.2	0.2			
40		0.3	0.6	0.9	1.7	2.3	2.7	3.1	3.1	2.7	2.3	1.7	0.9	0.6	0.3				
30	0.3	0.5	1.6	4.0	7.9	10.1	17.9	37.9	37.9	17.9	10.1	7.9	4.0	1.6	0.5	0.3			
20		1.2	5.8	19.4	40.6	73.6	508.1	1565.0	1565.0	508.1	73.6	40.6	19.4	5.8	1.2				
10	0.4	2.2	12.1	47.2	94.6	300.5	2933.5	8720.2	8720.2	2933.5	300.5	94.6	47.2	12.1	2.2	0.4			
0		2.9	14.3	55.2	108.0	313.5	2994.3	8767.2	8767.2	2994.3	313.5	108.0	55.2	14.3	2.9				
-10	0.7	3.1	12.5	41.2	83.4	135.3	826.8	2456.2	2456.2	826.8	135.3	83.4	41.2	12.5	3.1	0.7			
-20		3.0	10.5	24.4	62.1	88.1	133.2	279.6	279.6	133.2	88.1	62.1	24.4	10.5	3.0				
-30	0.6	2.7	8.5	16.9	38.0	72.7	92.6	99.5	99.5	92.6	72.7	38.0	16.9	8.5	2.7	0.6			
-40		1.8	6.3	13.6	23.0	37.2	60.4	78.5	78.5	60.4	37.2	23.0	13.6	6.3	1.8				
-50	0.4	0.9	3.7	8.6	15.5	22.6	28.0	31.1	31.1	28.0	22.6	15.5	8.6	3.7	0.9	0.4			
-60		0.4	1.3	3.6	6.9	10.7	14.4	16.8	16.8	14.4	10.7	6.9	3.6	1.3	0.4				
-70																			
-80	0.2	1.2	3.2	7.9	12.3	7.9	3.2	1.2	0.2										
-90																			

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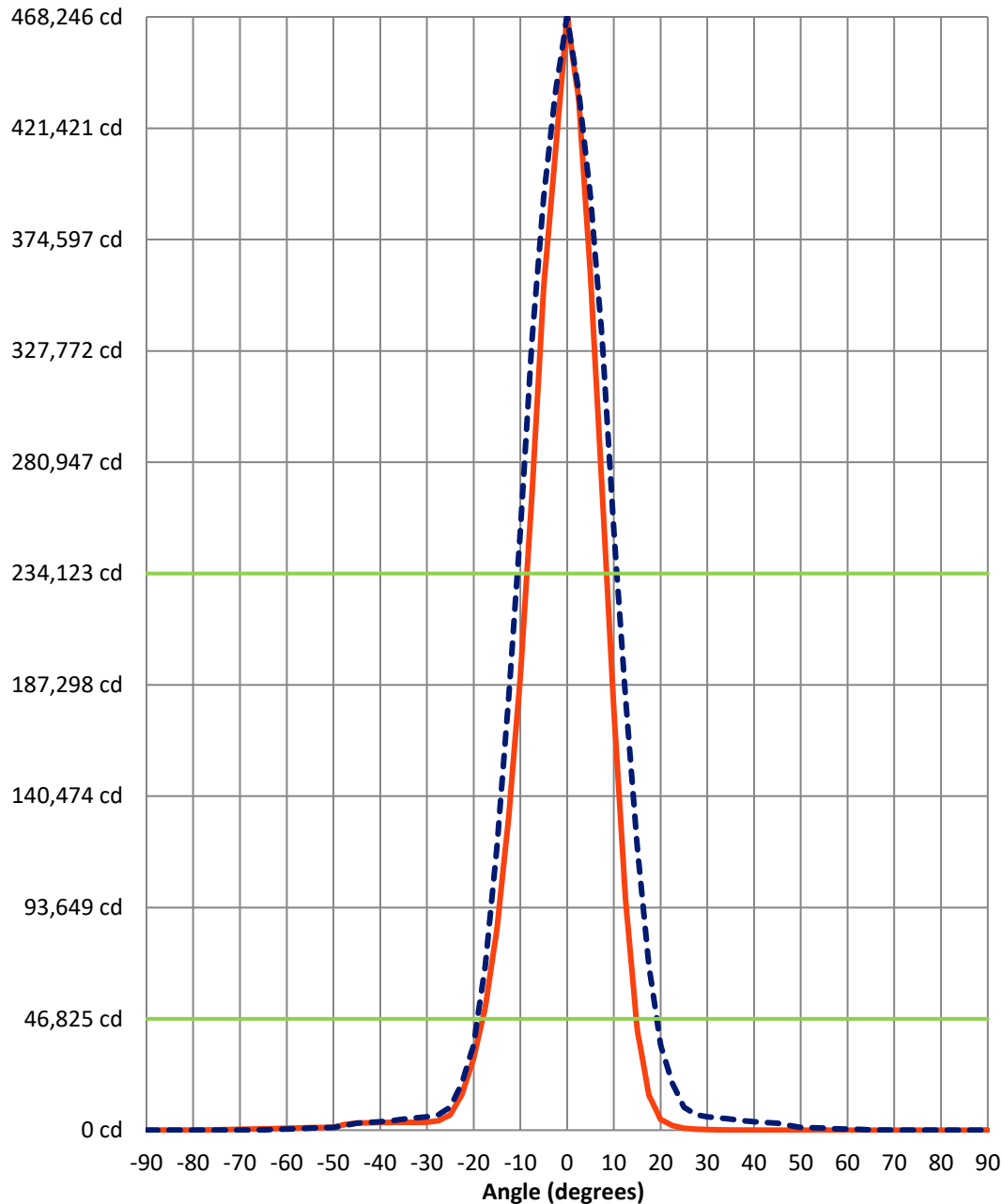
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.3°
 V Angle: 17°
 Lumens: 27638.9
 Efficiency: 43.8%

Field:
 H Angle: 38.4°
 V Angle: 32.9°
 Lumens: 53497.1
 Efficiency: 84.7%

Spill:
 Lumens: 9659.6
 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°	7.8	7.8	7.8	8.3	8.8	9.2	9.7	10.2	10.7	11.2	11.7
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.1	6.9	6.6
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.6	7.5	7.5	7.5
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	8.0	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	8.0	8.1	7.9	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	8.2	8.2	8.0	7.8	7.8	7.8	7.9
67.5°	7.8	7.8	7.8	8.0	8.4	8.4	8.0	7.8	7.8	8.1	8.0
65°	7.8	7.8	7.8	8.2	8.6	8.5	8.1	7.8	8.2	8.4	8.2
62.5°	7.8	7.8	7.8	8.4	8.8	8.5	8.1	8.1	8.7	8.7	8.3
60°	7.8	7.8	7.8	8.6	9.0	8.6	8.2	8.6	9.1	8.8	8.4
57.5°	7.8	7.8	7.9	8.8	9.0	8.6	8.6	9.2	9.3	8.9	9.0
55°	7.8	7.8	8.1	9.0	9.1	8.7	9.1	9.8	9.4	9.1	9.8
52.5°	7.8	7.8	8.2	9.2	9.1	8.8	9.6	9.9	9.5	9.9	10.6
50°	7.8	7.8	8.3	9.4	9.2	9.2	10.1	10.1	9.7	10.6	12.2
47.5°	7.8	7.8	8.5	9.6	9.2	9.6	10.5	10.3	10.4	11.3	13.6
45°	7.8	7.8	8.6	9.6	9.3	10.0	10.7	10.6	11.1	12.2	14.7
42.5°	7.8	7.8	8.7	9.7	9.4	10.4	11.0	11.1	11.8	12.8	16.2
40°	7.8	7.8	8.8	9.7	9.5	10.7	11.3	11.7	12.6	13.3	17.7
37.5°	7.8	7.8	8.9	9.8	9.8	11.1	11.7	12.4	13.5	14.7	19.0
35°	7.8	7.8	9.0	9.8	10.1	11.4	12.0	13.0	14.6	16.8	19.7
32.5°	7.8	7.8	9.1	9.9	10.4	11.7	12.4	13.6	15.7	18.9	21.3
30°	7.8	7.8	9.2	10.0	10.6	12.0	12.9	14.2	16.9	21.0	23.3
27.5°	7.8	7.8	9.3	10.1	10.9	12.3	13.4	15.2	18.3	23.1	25.6
25°	7.8	7.8	9.3	10.2	11.1	12.6	13.9	16.2	20.1	25.1	28.3
22.5°	7.8	7.8	9.4	10.4	11.2	12.9	14.3	17.2	21.8	27.2	33.7
20°	7.8	7.8	9.5	10.5	11.4	13.0	14.8	18.2	23.5	29.4	39.6
17.5°	7.8	7.8	9.5	10.6	11.5	13.2	15.1	19.2	25.1	31.7	46.0
15°	7.8	7.8	9.6	10.8	11.6	13.3	15.5	20.1	26.6	34.2	52.7
12.5°	7.8	7.8	9.6	11.0	11.6	13.4	15.9	20.8	28.2	36.6	59.6
10°	7.8	7.8	9.6	11.1	11.7	13.5	16.2	21.5	29.7	40.7	67.7
7.5°	7.8	7.8	9.7	11.3	11.7	13.5	16.6	22.1	31.2	45.2	78.5
5°	7.8	7.8	9.7	11.4	11.7	13.6	16.9	22.6	32.6	49.7	89.3
2.5°	7.8	7.8	9.7	11.6	11.7	13.6	17.2	23.0	33.9	54.2	99.5
0°	7.8	7.8	9.7	11.7	11.7	13.6	17.5	23.4	35.1	58.4	109.1
-2.5°	7.8	7.8	9.8	11.8	12.0	14.0	19.0	27.9	44.2	72.3	126.7
-5°	7.8	7.9	9.9	11.9	12.4	14.4	20.5	32.3	52.9	85.5	143.1
-7.5°	7.8	7.9	9.9	12.0	12.7	14.8	21.8	36.3	61.0	97.8	158.1
-10°	7.8	8.0	10.0	12.1	13.0	15.2	23.0	39.9	68.3	109.1	171.6
-12.5°	7.8	8.0	10.0	12.2	13.3	15.5	23.9	42.9	74.6	119.0	183.1
-15°	7.8	8.0	10.1	12.2	13.6	15.8	24.7	45.2	80.2	127.5	192.6
-17.5°	7.8	8.1	10.1	12.3	13.8	16.1	25.1	47.6	85.3	134.6	200.0
-20°	7.8	8.1	10.2	12.3	14.1	16.4	25.6	49.7	89.1	140.2	205.3



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	8.1	10.2	12.4	14.2	16.6	26.2	50.8	91.6	144.2	208.2
-25°	7.8	8.2	10.2	12.4	14.4	17.0	26.3	50.7	92.5	146.5	208.7
-27.5°	7.8	8.2	10.2	12.4	14.5	17.4	25.9	49.4	91.9	147.2	210.5
-30°	7.8	8.2	10.2	12.4	14.5	17.6	24.9	46.9	90.3	146.2	210.2
-32.5°	7.8	8.2	10.2	12.3	14.6	17.7	23.3	45.2	87.2	143.0	207.7
-35°	7.8	8.2	10.1	12.3	14.6	17.7	22.8	43.3	82.3	137.6	202.8
-37.5°	7.8	8.3	10.1	12.3	14.6	17.6	22.8	40.5	75.5	130.0	188.5
-40°	7.8	8.3	10.1	12.2	14.6	17.6	22.6	36.7	66.8	120.5	172.0
-42.5°	7.8	8.3	10.0	12.1	14.5	17.5	22.1	32.1	59.9	105.4	153.7
-45°	7.8	8.3	10.0	12.1	14.4	17.3	21.5	28.6	53.5	88.6	134.0
-47.5°	7.8	8.3	9.9	12.0	14.3	17.1	20.6	27.6	45.8	71.0	114.1
-50°	7.8	8.3	9.8	11.8	14.1	16.9	20.2	26.2	36.2	60.1	93.0
-52.5°	7.8	8.3	9.7	11.7	13.9	16.6	19.8	24.6	31.5	48.6	71.8
-55°	7.8	8.2	9.6	11.5	13.7	16.3	19.4	22.9	29.0	36.6	58.3
-57.5°	7.8	8.2	9.5	11.3	13.4	15.9	18.8	22.2	26.4	31.7	44.3
-60°	7.8	8.2	9.4	11.1	13.1	15.5	18.3	21.4	24.1	28.9	33.5
-62.5°	7.8	8.2	9.4	10.9	12.8	15.0	17.6	20.4	22.9	26.0	30.5
-65°	7.8	8.2	9.3	10.7	12.4	14.5	16.9	19.4	21.6	24.2	27.4
-67.5°	7.8	8.1	9.1	10.4	12.0	13.9	16.2	18.4	20.2	22.5	25.1
-70°	7.8	8.1	9.0	10.2	11.6	13.3	15.4	17.5	19.3	20.7	23.0
-72.5°	7.8	8.1	8.9	9.9	11.2	12.7	14.5	16.5	18.3	19.8	21.0
-75°	7.8	8.0	8.7	9.7	10.7	12.1	13.6	15.5	17.4	18.9	20.3
-77.5°	7.8	8.0	8.6	9.5	10.4	11.4	12.7	14.4	16.2	17.9	19.5
-80°	7.8	8.0	8.4	9.3	10.1	10.9	11.8	13.3	15.0	16.5	18.1
-82.5°	7.8	7.9	8.3	9.0	9.7	10.5	11.2	12.4	13.7	15.1	16.6
-85°	7.8	7.9	8.1	8.8	9.4	10.1	10.7	11.7	12.7	13.8	15.0
-87.5°	7.8	7.8	8.0	8.5	9.1	9.7	10.2	10.9	11.7	12.5	13.3
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.7	11.7	11.7	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.1
87.5°	6.5	6.3	6.1	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
85°	7.2	6.8	6.4	6.1	6.1	6.1	6.0	5.8	5.6	5.4	5.2
82.5°	7.5	7.3	7.2	7.2	7.1	6.8	6.3	5.8	5.8	5.8	5.8
80°	7.7	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	7.8	7.8	7.7	7.7	7.8	7.8	7.6	7.5	7.5
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.4	11.6	13.0
70°	7.8	7.8	7.8	7.8	7.8	8.5	11.3	15.1	18.9	21.2	23.6
67.5°	7.8	7.8	7.8	8.2	10.2	13.3	17.6	25.9	35.2	37.9	37.9
65°	7.8	7.8	8.8	10.7	13.3	19.9	28.8	39.8	48.1	46.7	43.4
62.5°	7.8	8.7	10.5	13.9	19.4	27.6	35.9	43.8	52.0	49.8	42.4
60°	8.6	9.8	13.4	18.9	24.8	30.5	38.5	43.6	48.0	48.3	37.2
57.5°	9.5	12.0	17.4	23.1	27.7	31.4	34.7	38.7	40.1	39.1	28.5
55°	11.0	15.1	20.8	26.0	29.1	27.4	29.0	29.9	29.4	26.8	18.7
52.5°	13.5	18.0	23.7	27.9	27.9	24.5	21.7	21.8	19.9	16.3	13.9
50°	15.7	20.8	26.3	28.6	26.5	21.0	16.4	15.9	14.6	13.1	11.7
47.5°	17.8	23.4	28.3	29.1	23.7	19.3	15.2	13.8	13.0	12.7	12.1
45°	19.9	25.0	30.1	26.9	22.3	19.1	16.3	13.5	13.9	13.8	13.2
42.5°	21.8	26.0	28.3	25.1	22.8	20.6	18.6	16.7	15.6	15.9	15.8
40°	22.5	26.7	27.0	26.4	24.2	23.5	23.2	21.7	18.5	20.0	20.4
37.5°	22.7	26.3	27.6	29.8	27.4	28.2	29.0	29.5	27.2	25.8	29.6
35°	22.7	26.8	32.4	35.4	33.9	34.7	38.1	39.4	38.5	37.9	45.0
32.5°	23.2	28.2	38.8	42.4	44.8	45.9	48.8	51.5	54.3	58.7	72.1
30°	25.9	34.3	46.5	50.5	58.2	66.5	64.3	65.9	73.0	99.5	122.4
27.5°	31.6	42.5	54.2	62.6	75.2	92.9	95.7	88.0	111.0	151.4	189.0
25°	38.4	68.5	62.6	77.2	101.1	124.9	136.0	141.2	168.4	222.8	265.1
22.5°	52.8	103.3	100.8	93.2	130.8	162.0	189.4	243.8	320.3	337.5	346.5
20°	78.1	137.6	147.4	155.2	175.6	203.8	251.2	381.4	544.1	604.0	541.8
17.5°	108.2	175.2	199.6	235.2	281.8	290.7	329.8	545.5	825.4	923.0	941.9
15°	141.9	215.5	255.0	324.8	395.5	429.3	543.0	810.9	1133.2	1292.7	1403.3
12.5°	178.2	257.8	312.8	421.7	515.3	568.5	811.2	1219.6	1529.0	1715.3	2007.0
10°	215.7	301.3	372.2	523.5	639.2	707.8	1107.5	1641.7	1953.5	2165.4	2540.7
7.5°	254.7	343.3	431.0	627.4	765.2	846.4	1419.4	2067.6	2366.8	2597.8	2975.9
5°	292.2	382.0	483.5	714.9	869.9	966.2	1708.5	2485.5	2768.4	3013.3	3351.9
2.5°	326.5	419.0	534.3	795.3	957.6	1056.7	1873.0	2724.3	3024.2	3315.8	3686.7
0°	356.5	453.9	582.5	868.9	1040.3	1143.6	2006.6	2932.0	3241.7	3559.3	4003.5
-2.5°	360.9	464.4	597.4	862.1	1024.9	1130.2	1971.6	2900.0	3276.5	3647.1	4110.9
-5°	360.7	472.2	608.4	848.6	1004.8	1112.9	1903.0	2826.8	3264.0	3631.3	4066.8
-7.5°	356.5	476.8	615.1	828.6	973.8	1073.9	1771.1	2646.8	3105.2	3428.9	3847.3
-10°	349.4	475.2	605.8	794.6	929.7	1021.2	1602.6	2434.3	2938.1	3222.1	3594.1
-12.5°	340.3	468.4	591.3	758.3	886.7	967.3	1407.2	2193.4	2767.2	3016.7	3321.1
-15°	329.8	459.9	574.2	721.0	846.3	912.9	1187.0	1927.8	2598.5	2857.5	3095.9
-17.5°	318.6	449.9	554.9	684.1	810.1	858.8	949.2	1638.2	2358.2	2684.3	2925.8
-20°	307.5	438.7	533.5	648.6	775.8	823.2	881.8	1359.7	2008.8	2484.2	2739.8



REPORT NUMBER: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	297.1	426.4	513.5	619.5	737.2	803.7	848.9	1087.4	1640.0	2260.5	2541.1
-25°	293.0	408.2	496.8	592.5	700.4	785.7	818.4	858.5	1303.9	1898.6	2339.9
-27.5°	292.2	392.9	478.3	563.3	663.9	762.4	796.5	826.1	1053.1	1535.1	2107.1
-30°	288.3	372.2	457.6	534.4	628.9	721.2	779.6	812.2	863.4	1235.8	1711.9
-32.5°	275.7	350.3	433.3	509.7	592.6	681.6	765.7	805.6	847.5	950.0	1348.9
-35°	259.2	330.2	407.3	482.7	555.3	643.0	729.4	800.4	831.9	879.5	1045.9
-37.5°	243.9	308.0	380.6	453.7	523.9	603.1	690.6	770.1	825.2	862.1	921.5
-40°	226.4	283.8	353.8	423.9	491.4	563.4	644.6	726.8	801.3	864.8	910.4
-42.5°	206.8	262.3	325.2	393.0	456.4	524.5	596.3	676.0	760.4	847.5	912.1
-45°	184.7	238.6	295.3	356.8	418.3	482.2	550.2	621.7	707.3	796.1	882.4
-47.5°	160.6	212.4	266.2	318.3	376.6	436.9	500.4	570.3	646.0	730.1	818.9
-50°	135.3	183.5	233.8	281.7	332.3	388.5	447.1	514.1	584.6	658.3	737.9
-52.5°	110.6	152.6	199.1	245.3	290.1	338.0	393.0	453.2	518.2	586.2	652.7
-55°	84.7	122.9	162.7	206.4	249.6	291.1	337.0	391.1	446.8	508.5	567.5
-57.5°	65.0	92.8	128.1	165.4	206.1	246.9	288.0	328.9	377.9	429.2	477.7
-60°	48.7	68.0	94.2	126.8	160.3	198.6	239.1	277.7	315.1	350.5	392.4
-62.5°	34.5	49.5	67.1	89.1	118.7	149.2	184.0	221.0	258.9	289.6	317.6
-65°	31.3	34.7	46.5	62.4	78.3	104.9	132.7	160.2	192.5	222.1	249.9
-67.5°	28.0	31.1	34.2	39.7	53.9	69.2	84.7	109.0	133.0	154.3	175.3
-70°	25.4	27.6	30.3	33.0	35.9	42.5	55.9	69.4	82.8	98.5	117.1
-72.5°	23.0	25.3	27.2	28.8	31.4	34.5	37.8	41.2	49.0	59.8	70.9
-75°	21.4	22.9	24.9	26.6	28.1	29.8	32.0	34.8	37.5	39.8	41.9
-77.5°	20.3	21.3	22.6	24.2	25.4	26.4	27.7	29.2	31.1	33.2	35.4
-80°	18.9	19.5	20.2	21.1	22.0	22.8	23.5	24.3	25.4	26.7	28.2
-82.5°	17.1	17.5	18.0	18.4	18.7	19.1	19.6	20.2	20.8	21.5	22.2
-85°	15.3	15.6	15.9	16.2	16.1	16.0	16.0	16.1	16.4	16.7	17.1
-87.5°	13.5	13.6	13.8	13.9	14.0	13.9	13.8	13.6	13.7	13.8	13.9
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	15.6	15.6	15.6	15.6	15.6	20.9	26.3	31.6	37.0	46.2	55.5
87.5°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
85°	5.1	4.9	4.6	4.3	3.9	3.8	3.8	3.8	3.8	3.3	2.9
82.5°	5.8	5.4	4.9	4.4	3.9	3.5	3.1	2.6	2.1	2.0	1.9
80°	5.8	5.4	4.9	4.4	4.0	3.8	3.7	3.6	3.6	3.7	3.8
77.5°	6.1	5.8	5.3	4.7	4.1	3.9	3.9	3.9	3.9	3.5	3.0
75°	7.6	7.5	7.3	6.8	6.0	5.6	5.3	4.8	4.1	3.8	3.8
72.5°	13.8	13.7	13.0	12.3	10.8	9.8	9.5	9.0	8.5	8.4	8.3
70°	24.5	24.1	22.7	20.0	16.3	13.8	12.7	11.5	10.2	9.6	9.6
67.5°	34.5	30.6	27.0	23.1	18.6	15.1	13.3	11.3	9.3	8.2	8.1
65°	38.2	30.6	25.3	21.1	17.7	14.5	12.0	9.6	7.5	6.5	6.8
62.5°	34.4	25.3	19.7	16.1	13.3	11.3	9.3	7.7	6.4	5.9	5.9
60°	27.3	18.5	13.6	11.3	9.4	7.9	6.9	6.0	5.2	4.6	4.8
57.5°	19.7	13.2	9.6	8.8	7.8	6.4	5.5	5.2	5.1	5.2	5.5
55°	13.3	11.0	9.7	8.7	7.6	6.5	5.8	5.8	5.8	5.8	5.8
52.5°	11.1	10.5	9.9	9.0	7.9	6.8	5.8	5.8	5.8	5.8	5.8
50°	11.2	10.6	10.1	9.4	8.3	7.1	6.0	6.0	6.5	6.9	6.9
47.5°	11.4	10.9	10.5	9.8	8.9	8.4	7.8	8.0	8.7	8.9	8.8
45°	11.9	12.0	11.8	11.7	11.0	11.1	11.2	11.4	13.8	13.7	12.1
42.5°	14.7	15.5	16.4	16.9	14.6	18.9	25.6	28.7	25.2	20.3	17.2
40°	22.0	23.0	27.6	29.9	36.8	43.3	37.4	30.3	27.1	29.4	31.2
37.5°	35.0	41.6	50.6	61.2	57.0	45.3	45.6	45.5	44.3	48.2	48.0
35°	58.7	73.5	82.6	80.6	74.6	71.2	74.4	77.8	70.2	76.9	78.6
32.5°	94.4	112.3	114.6	108.5	108.9	114.8	125.5	123.9	126.3	133.9	142.8
30°	136.3	157.5	165.6	154.5	146.4	160.5	166.6	171.9	189.2	211.8	232.0
27.5°	205.2	220.7	234.7	223.0	199.7	217.1	229.5	225.8	273.4	298.8	355.7
25°	291.6	313.5	321.5	325.8	318.0	314.7	345.5	361.2	427.0	496.7	615.0
22.5°	398.1	458.0	474.9	452.7	477.7	495.2	516.0	586.4	717.8	931.6	1236.9
20°	533.4	655.6	753.9	738.1	679.5	754.4	839.2	1060.9	1445.0	2308.6	3015.3
17.5°	961.6	963.8	1160.2	1239.3	1142.7	1305.3	1721.4	2443.1	4030.6	6943.5	8832.1
15°	1623.2	1666.9	1757.3	1863.2	2037.0	2461.4	3299.9	6324.1	10878.4	17179.6	23645.4
12.5°	2324.6	2423.4	2578.0	2664.7	3019.4	4155.1	7751.8	14373.8	23986.9	36117.5	56240.1
10°	2927.3	3190.2	3389.5	3660.5	4575.4	7243.1	13449.4	24891.7	44269.4	70440.7	101372.1
7.5°	3353.5	3738.2	4075.4	4584.8	6484.8	11862.3	22271.6	41307.0	70576.1	107535.1	150173.9
5°	3782.1	4269.0	4647.0	5318.4	7704.3	15327.0	29179.1	56687.9	98951.9	149264.9	206289.9
2.5°	4217.6	4764.9	5181.4	6012.2	8484.3	17083.8	32683.5	65867.1	117715.2	178977.5	248210.1
0°	4656.1	5174.3	5612.7	6551.7	9696.0	19847.9	35984.6	69370.3	119463.5	181997.7	252272.0
-2.5°	4635.9	4978.1	5379.5	6107.1	8844.4	18270.9	33446.3	65559.7	113092.0	171095.6	234823.9
-5°	4459.6	4699.9	5018.0	5661.1	7912.5	15229.6	28926.8	56041.0	99885.5	153026.9	207957.2
-7.5°	4185.7	4387.4	4625.1	5156.0	6838.2	12121.5	23398.6	44947.7	79236.7	117737.3	159858.6
-10°	3923.1	4078.6	4247.5	4615.4	5696.4	8884.0	16599.6	30456.7	55157.6	83960.0	116014.7
-12.5°	3680.9	3805.0	3894.7	4050.2	4588.8	6434.9	11935.0	21844.5	36034.7	53876.4	77523.1
-15°	3434.3	3539.4	3585.8	3710.5	4062.8	4976.5	7193.7	13427.2	22526.3	34048.2	46038.1
-17.5°	3169.4	3294.3	3364.1	3444.3	3597.8	3976.3	5199.6	7820.6	13321.7	21056.9	28779.4
-20°	2951.5	3098.7	3158.5	3214.3	3355.8	3578.1	3927.2	5105.9	7115.3	11932.7	16734.8



REPORT NUMBER: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2741.1	2873.7	2951.6	3071.2	3254.2	3408.1	3522.6	3803.3	4637.9	5952.4	8299.3
-25°	2549.6	2664.5	2818.2	3047.8	3227.0	3337.0	3358.6	3370.5	3608.4	3869.4	4661.8
-27.5°	2356.9	2519.6	2748.6	3007.6	3220.4	3274.1	3277.0	3272.9	3329.6	3369.2	3566.4
-30°	2185.3	2398.3	2614.5	2891.1	3098.2	3185.4	3222.3	3247.8	3277.0	3313.0	3326.1
-32.5°	1835.3	2270.7	2445.7	2667.2	2928.3	3066.2	3135.5	3194.7	3227.0	3258.4	3283.2
-35°	1451.0	1910.4	2328.1	2471.2	2656.5	2890.1	3064.1	3134.8	3194.3	3228.0	3259.4
-37.5°	1091.3	1485.1	1891.2	2271.7	2460.9	2626.1	2848.4	3021.6	3130.9	3174.1	3211.9
-40°	961.6	1063.9	1422.6	1771.7	2104.9	2419.7	2604.5	2813.7	2980.8	3065.6	3131.2
-42.5°	956.7	994.3	1030.8	1276.0	1585.6	1889.1	2176.0	2444.6	2692.5	2861.0	2985.9
-45°	955.6	982.4	1013.0	1049.6	1086.5	1323.4	1588.6	1855.2	2127.2	2382.5	2611.2
-47.5°	893.5	960.1	996.7	1026.0	1050.5	1081.8	1117.5	1184.9	1406.4	1629.5	1853.2
-50°	808.3	874.9	935.9	994.2	1023.8	1044.1	1063.6	1085.8	1113.7	1141.9	1170.6
-52.5°	712.9	776.2	838.3	894.0	941.9	988.0	1031.8	1051.9	1066.7	1080.4	1092.1
-55°	623.9	678.2	730.8	780.2	827.9	873.0	914.0	949.0	981.5	1011.0	1034.1
-57.5°	529.5	581.1	630.1	671.5	711.2	748.9	785.1	818.9	849.3	876.2	898.8
-60°	434.7	477.1	520.0	559.7	597.4	633.0	663.1	690.8	716.1	739.3	760.6
-62.5°	345.5	378.6	414.8	448.1	477.9	507.0	539.0	566.7	590.2	610.7	629.9
-65°	275.5	299.1	325.2	350.3	374.6	402.1	432.4	458.9	481.7	500.8	517.1
-67.5°	199.0	222.1	247.0	269.8	290.8	313.8	341.7	367.9	392.4	412.3	428.2
-70°	134.0	150.4	169.2	189.5	209.9	231.5	255.9	279.5	302.4	320.6	335.7
-72.5°	82.3	93.1	103.8	117.4	131.4	148.0	166.7	185.6	204.5	219.9	233.1
-75°	43.8	47.5	55.7	63.4	70.7	79.9	89.5	98.4	106.6	114.2	121.1
-77.5°	37.4	39.0	40.4	41.7	43.0	46.7	51.3	56.1	61.0	66.1	71.2
-80°	29.8	31.0	32.2	33.4	34.5	37.4	40.5	43.6	46.6	50.1	53.5
-82.5°	23.0	23.6	24.2	24.6	25.1	27.2	29.5	31.7	34.0	36.8	39.5
-85°	17.4	17.6	17.9	18.2	18.4	20.1	21.8	23.4	25.0	28.0	31.0
-87.5°	14.0	13.9	13.9	13.8	13.8	15.9	18.0	20.0	21.9	24.4	26.7
-90°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.4	1.0



REPORT NUMBER: P701729 (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°	64.7	74.0	78.9	83.8	78.9	74.0	64.7	55.5	46.2	37.0	31.6
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
85°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.6
80°	3.8	3.9	2.9	1.9	2.9	3.9	3.8	3.8	3.7	3.6	3.6
77.5°	2.5	2.0	2.9	3.9	2.9	2.0	2.5	3.0	3.5	3.9	3.9
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.1	4.8
72.5°	8.1	7.7	7.8	7.8	7.8	7.7	8.1	8.3	8.4	8.5	9.0
70°	9.6	9.6	9.7	9.7	9.7	9.6	9.6	9.6	9.6	10.2	11.5
67.5°	8.0	7.9	6.9	5.8	6.9	7.9	8.0	8.1	8.2	9.3	11.3
65°	7.2	7.7	6.9	5.8	6.9	7.7	7.2	6.8	6.5	7.5	9.6
62.5°	5.9	5.9	5.8	5.8	5.8	5.9	5.9	5.9	5.9	6.4	7.7
60°	5.2	5.7	5.8	5.8	5.8	5.7	5.2	4.8	4.6	5.2	6.0
57.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.5	5.2	5.1	5.2
55°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
50°	6.6	6.1	5.8	5.8	5.8	6.1	6.6	6.9	6.9	6.5	6.0
47.5°	8.4	8.0	7.8	7.8	7.8	8.0	8.4	8.8	8.9	8.7	8.0
45°	12.0	11.8	11.6	11.7	11.6	11.8	12.0	12.1	13.7	13.8	11.4
42.5°	17.5	17.4	17.4	17.5	17.4	17.4	17.5	17.2	20.3	25.2	28.7
40°	32.8	33.0	32.3	31.2	32.3	33.0	32.8	31.2	29.4	27.1	30.3
37.5°	47.9	48.2	48.2	48.7	48.2	48.2	47.9	48.0	48.2	44.3	45.5
35°	77.6	75.6	71.4	72.1	71.4	75.6	77.6	78.6	76.9	70.2	77.8
32.5°	148.5	146.4	138.2	144.2	138.2	146.4	148.5	142.8	133.9	126.3	123.9
30°	249.8	259.7	263.9	263.0	263.9	259.7	249.8	232.0	211.8	189.2	171.9
27.5°	384.8	406.7	420.4	428.6	420.4	406.7	384.8	355.7	298.8	273.4	225.8
25°	700.1	754.3	785.0	826.0	785.0	754.3	700.1	615.0	496.7	427.0	361.2
22.5°	1565.4	1761.8	1886.8	1975.4	1886.8	1761.8	1565.4	1236.9	931.6	717.8	586.4
20°	4061.3	4045.2	4370.8	4547.0	4370.8	4045.2	4061.3	3015.3	2308.6	1445.0	1060.9
17.5°	12713.1	14733.5	15246.2	14808.0	15246.2	14733.5	12713.1	8832.1	6943.5	4030.6	2443.1
15°	32678.4	39427.1	42554.5	42510.9	42554.5	39427.1	32678.4	23645.4	17179.6	10878.4	6324.1
12.5°	70466.5	83500.2	92010.6	97159.0	92010.6	83500.2	70466.5	56240.1	36117.5	23986.9	14373.8
10°	127880.6	150208.2	168012.9	176957.8	168012.9	150208.2	127880.6	101372.1	70440.7	44269.4	24891.7
7.5°	189516.3	225642.8	256147.5	268810.0	256147.5	225642.8	189516.3	150173.9	107535.1	70576.1	41307.0
5°	260920.3	318403.3	346953.2	359255.5	346953.2	318403.3	260920.3	206289.9	149264.9	98951.9	56687.9
2.5°	320657.8	377976.1	417880.6	433046.2	417880.6	377976.1	320657.8	248210.1	178977.5	117715.2	65867.1
0°	332615.3	392536.1	436454.6	468245.7	436454.6	392536.1	332615.3	252272.0	181997.7	119463.5	69370.3
-2.5°	307218.0	365766.1	397856.6	411301.8	397856.6	365766.1	307218.0	234823.9	171095.6	113092.0	65559.7
-5°	267075.6	319039.9	348708.9	354667.6	348708.9	319039.9	267075.6	207957.2	153026.9	99885.5	56041.0
-7.5°	204093.9	240065.4	263466.6	268190.5	263466.6	240065.4	204093.9	159858.6	117737.3	79236.7	44947.7
-10°	148425.8	174361.4	189389.5	191015.8	189389.5	174361.4	148425.8	116014.7	83960.0	55157.6	30456.7
-12.5°	99171.0	119493.1	130121.7	131658.1	130121.7	119493.1	99171.0	77523.1	53876.4	36034.7	21844.5
-15°	62145.2	75363.8	83170.0	84862.1	83170.0	75363.8	62145.2	46038.1	34048.2	22526.3	13427.2
-17.5°	38290.8	44977.1	49071.6	51778.4	49071.6	44977.1	38290.8	28779.4	21056.9	13321.7	7820.6
-20°	22389.3	26725.1	29158.3	30264.8	29158.3	26725.1	22389.3	16734.8	11932.7	7115.3	5105.9



REPORT NUMBER: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11240.4	13379.5	14836.5	15057.4	14836.5	13379.5	11240.4	8299.3	5952.4	4637.9	3803.3
-25°	5451.4	6047.2	6456.1	6479.6	6456.1	6047.2	5451.4	4661.8	3869.4	3608.4	3370.5
-27.5°	3727.5	3851.5	3931.6	3978.2	3931.6	3851.5	3727.5	3566.4	3369.2	3329.6	3272.9
-30°	3339.9	3358.4	3369.8	3354.7	3369.8	3358.4	3339.9	3326.1	3313.0	3277.0	3247.8
-32.5°	3291.6	3300.2	3306.3	3296.3	3306.3	3300.2	3291.6	3283.2	3258.4	3227.0	3194.7
-35°	3287.8	3311.8	3330.6	3325.5	3330.6	3311.8	3287.8	3259.4	3228.0	3194.3	3134.8
-37.5°	3239.5	3260.6	3274.8	3274.9	3274.8	3260.6	3239.5	3211.9	3174.1	3130.9	3021.6
-40°	3167.8	3196.7	3214.7	3214.5	3214.7	3196.7	3167.8	3131.2	3065.6	2980.8	2813.7
-42.5°	3045.5	3086.0	3105.1	3103.4	3105.1	3086.0	3045.5	2985.9	2861.0	2692.5	2444.6
-45°	2783.0	2913.5	2983.4	2990.4	2983.4	2913.5	2783.0	2611.2	2382.5	2127.2	1855.2
-47.5°	2073.7	2274.6	2397.9	2425.5	2397.9	2274.6	2073.7	1853.2	1629.5	1406.4	1184.9
-50°	1199.2	1226.0	1237.4	1233.2	1237.4	1226.0	1199.2	1170.6	1141.9	1113.7	1085.8
-52.5°	1103.4	1114.2	1122.3	1128.0	1122.3	1114.2	1103.4	1092.1	1080.4	1066.7	1051.9
-55°	1052.9	1067.5	1076.7	1081.2	1076.7	1067.5	1052.9	1034.1	1011.0	981.5	949.0
-57.5°	917.3	931.8	939.8	942.9	939.8	931.8	917.3	898.8	876.2	849.3	818.9
-60°	778.2	792.4	800.7	804.6	800.7	792.4	778.2	760.6	739.3	716.1	690.8
-62.5°	646.1	659.5	667.5	672.1	667.5	659.5	646.1	629.9	610.7	590.2	566.7
-65°	531.6	544.3	551.1	555.2	551.1	544.3	531.6	517.1	500.8	481.7	458.9
-67.5°	442.5	455.1	463.4	469.5	463.4	455.1	442.5	428.2	412.3	392.4	367.9
-70°	349.5	361.9	366.4	368.2	366.4	361.9	349.5	335.7	320.6	302.4	279.5
-72.5°	244.8	255.1	261.9	266.9	261.9	255.1	244.8	233.1	219.9	204.5	185.6
-75°	127.3	132.9	136.9	140.3	136.9	132.9	127.3	121.1	114.2	106.6	98.4
-77.5°	76.2	81.2	83.6	85.7	83.6	81.2	76.2	71.2	66.1	61.0	56.1
-80°	56.8	60.1	61.3	62.3	61.3	60.1	56.8	53.5	50.1	46.6	43.6
-82.5°	42.1	44.7	45.8	46.8	45.8	44.7	42.1	39.5	36.8	34.0	31.7
-85°	34.0	36.9	38.0	39.0	38.0	36.9	34.0	31.0	28.0	25.0	23.4
-87.5°	29.1	31.4	33.2	35.1	33.2	31.4	29.1	26.7	24.4	21.9	20.0
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	2.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.3	20.9	15.6	15.6	15.6	15.6	15.6	15.1	14.6	14.1	13.6
87.5°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8
85°	3.8	3.8	3.9	4.3	4.6	4.9	5.1	5.2	5.4	5.6	5.8
82.5°	3.1	3.5	3.9	4.4	4.9	5.4	5.8	5.8	5.8	5.8	5.8
80°	3.7	3.8	4.0	4.4	4.9	5.4	5.8	5.9	5.9	5.8	5.9
77.5°	3.9	3.9	4.1	4.7	5.3	5.8	6.1	6.4	6.7	6.9	6.9
75°	5.3	5.6	6.0	6.8	7.3	7.5	7.6	7.5	7.5	7.6	7.8
72.5°	9.5	9.8	10.8	12.3	13.0	13.7	13.8	13.0	11.6	9.4	7.8
70°	12.7	13.8	16.3	20.0	22.7	24.1	24.5	23.6	21.2	18.9	15.1
67.5°	13.3	15.1	18.6	23.1	27.0	30.6	34.5	37.9	37.9	35.2	25.9
65°	12.0	14.5	17.7	21.1	25.3	30.6	38.2	43.4	46.7	48.1	39.8
62.5°	9.3	11.3	13.3	16.1	19.7	25.3	34.4	42.4	49.8	52.0	43.8
60°	6.9	7.9	9.4	11.3	13.6	18.5	27.3	37.2	48.3	48.0	43.6
57.5°	5.5	6.4	7.8	8.8	9.6	13.2	19.7	28.5	39.1	40.1	38.7
55°	5.8	6.5	7.6	8.7	9.7	11.0	13.3	18.7	26.8	29.4	29.9
52.5°	5.8	6.8	7.9	9.0	9.9	10.5	11.1	13.9	16.3	19.9	21.8
50°	6.0	7.1	8.3	9.4	10.1	10.6	11.2	11.7	13.1	14.6	15.9
47.5°	7.8	8.4	8.9	9.8	10.5	10.9	11.4	12.1	12.7	13.0	13.8
45°	11.2	11.1	11.0	11.7	11.8	12.0	11.9	13.2	13.8	13.9	13.5
42.5°	25.6	18.9	14.6	16.9	16.4	15.5	14.7	15.8	15.9	15.6	16.7
40°	37.4	43.3	36.8	29.9	27.6	23.0	22.0	20.4	20.0	18.5	21.7
37.5°	45.6	45.3	57.0	61.2	50.6	41.6	35.0	29.6	25.8	27.2	29.5
35°	74.4	71.2	74.6	80.6	82.6	73.5	58.7	45.0	37.9	38.5	39.4
32.5°	125.5	114.8	108.9	108.5	114.6	112.3	94.4	72.1	58.7	54.3	51.5
30°	166.6	160.5	146.4	154.5	165.6	157.5	136.3	122.4	99.5	73.0	65.9
27.5°	229.5	217.1	199.7	223.0	234.7	220.7	205.2	189.0	151.4	111.0	88.0
25°	345.5	314.7	318.0	325.8	321.5	313.5	291.6	265.1	222.8	168.4	141.2
22.5°	516.0	495.2	477.7	452.7	474.9	458.0	398.1	346.5	337.5	320.3	243.8
20°	839.2	754.4	679.5	738.1	753.9	655.6	533.4	541.8	604.0	544.1	381.4
17.5°	1721.4	1305.3	1142.7	1239.3	1160.2	963.8	961.6	941.9	923.0	825.4	545.5
15°	3299.9	2461.4	2037.0	1863.2	1757.3	1666.9	1623.2	1403.3	1292.7	1133.2	810.9
12.5°	7751.8	4155.1	3019.4	2664.7	2578.0	2423.4	2324.6	2007.0	1715.3	1529.0	1219.6
10°	13449.4	7243.1	4575.4	3660.5	3389.5	3190.2	2927.3	2540.7	2165.4	1953.5	1641.7
7.5°	22271.6	11862.3	6484.8	4584.8	4075.4	3738.2	3353.5	2975.9	2597.8	2366.8	2067.6
5°	29179.1	15327.0	7704.3	5318.4	4647.0	4269.0	3782.1	3351.9	3013.3	2768.4	2485.5
2.5°	32683.5	17083.8	8484.3	6012.2	5181.4	4764.9	4217.6	3686.7	3315.8	3024.2	2724.3
0°	35984.6	19847.9	9696.0	6551.7	5612.7	5174.3	4656.1	4003.5	3559.3	3241.7	2932.0
-2.5°	33446.3	18270.9	8844.4	6107.1	5379.5	4978.1	4635.9	4110.9	3647.1	3276.5	2900.0
-5°	28926.8	15229.6	7912.5	5661.1	5018.0	4699.9	4459.6	4066.8	3631.3	3264.0	2826.8
-7.5°	23398.6	12121.5	6838.2	5156.0	4625.1	4387.4	4185.7	3847.3	3428.9	3105.2	2646.8
-10°	16599.6	8884.0	5696.4	4615.4	4247.5	4078.6	3923.1	3594.1	3222.1	2938.1	2434.3
-12.5°	11935.0	6434.9	4588.8	4050.2	3894.7	3805.0	3680.9	3321.1	3016.7	2767.2	2193.4
-15°	7193.7	4976.5	4062.8	3710.5	3585.8	3539.4	3434.3	3095.9	2857.5	2598.5	1927.8
-17.5°	5199.6	3976.3	3597.8	3444.3	3364.1	3294.3	3169.4	2925.8	2684.3	2358.2	1638.2
-20°	3927.2	3578.1	3355.8	3214.3	3158.5	3098.7	2951.5	2739.8	2484.2	2008.8	1359.7



REPORT NUMBER: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3522.6	3408.1	3254.2	3071.2	2951.6	2873.7	2741.1	2541.1	2260.5	1640.0	1087.4
-25°	3358.6	3337.0	3227.0	3047.8	2818.2	2664.5	2549.6	2339.9	1898.6	1303.9	858.5
-27.5°	3277.0	3274.1	3220.4	3007.6	2748.6	2519.6	2356.9	2107.1	1535.1	1053.1	826.1
-30°	3222.3	3185.4	3098.2	2891.1	2614.5	2398.3	2185.3	1711.9	1235.8	863.4	812.2
-32.5°	3135.5	3066.2	2928.3	2667.2	2445.7	2270.7	1835.3	1348.9	950.0	847.5	805.6
-35°	3064.1	2890.1	2656.5	2471.2	2328.1	1910.4	1451.0	1045.9	879.5	831.9	800.4
-37.5°	2848.4	2626.1	2460.9	2271.7	1891.2	1485.1	1091.3	921.5	862.1	825.2	770.1
-40°	2604.5	2419.7	2104.9	1771.7	1422.6	1063.9	961.6	910.4	864.8	801.3	726.8
-42.5°	2176.0	1889.1	1585.6	1276.0	1030.8	994.3	956.7	912.1	847.5	760.4	676.0
-45°	1588.6	1323.4	1086.5	1049.6	1013.0	982.4	955.6	882.4	796.1	707.3	621.7
-47.5°	1117.5	1081.8	1050.5	1026.0	996.7	960.1	893.5	818.9	730.1	646.0	570.3
-50°	1063.6	1044.1	1023.8	994.2	935.9	874.9	808.3	737.9	658.3	584.6	514.1
-52.5°	1031.8	988.0	941.9	894.0	838.3	776.2	712.9	652.7	586.2	518.2	453.2
-55°	914.0	873.0	827.9	780.2	730.8	678.2	623.9	567.5	508.5	446.8	391.1
-57.5°	785.1	748.9	711.2	671.5	630.1	581.1	529.5	477.7	429.2	377.9	328.9
-60°	663.1	633.0	597.4	559.7	520.0	477.1	434.7	392.4	350.5	315.1	277.7
-62.5°	539.0	507.0	477.9	448.1	414.8	378.6	345.5	317.6	289.6	258.9	221.0
-65°	432.4	402.1	374.6	350.3	325.2	299.1	275.5	249.9	222.1	192.5	160.2
-67.5°	341.7	313.8	290.8	269.8	247.0	222.1	199.0	175.3	154.3	133.0	109.0
-70°	255.9	231.5	209.9	189.5	169.2	150.4	134.0	117.1	98.5	82.8	69.4
-72.5°	166.7	148.0	131.4	117.4	103.8	93.1	82.3	70.9	59.8	49.0	41.2
-75°	89.5	79.9	70.7	63.4	55.7	47.5	43.8	41.9	39.8	37.5	34.8
-77.5°	51.3	46.7	43.0	41.7	40.4	39.0	37.4	35.4	33.2	31.1	29.2
-80°	40.5	37.4	34.5	33.4	32.2	31.0	29.8	28.2	26.7	25.4	24.3
-82.5°	29.5	27.2	25.1	24.6	24.2	23.6	23.0	22.2	21.5	20.8	20.2
-85°	21.8	20.1	18.4	18.2	17.9	17.6	17.4	17.1	16.7	16.4	16.1
-87.5°	18.0	15.9	13.8	13.8	13.9	13.9	14.0	13.9	13.8	13.7	13.6
-90°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8



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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°	13.1	12.7	12.2	11.7	11.7	11.7	11.7	11.7	11.2	10.7	10.2
87.5°	5.8	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.9	7.1	7.5
85°	6.0	6.1	6.1	6.1	6.4	6.8	7.2	7.5	7.5	7.5	7.6
82.5°	6.3	6.8	7.1	7.2	7.2	7.3	7.5	7.8	7.8	7.8	7.8
80°	6.4	6.9	7.4	7.8	7.8	7.8	7.7	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	7.8	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	7.8	7.8	7.8	7.8
70°	11.3	8.5	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	7.8
67.5°	17.6	13.3	10.2	8.2	7.8	7.8	7.8	8.0	8.1	7.8	7.8
65°	28.8	19.9	13.3	10.7	8.8	7.8	7.8	8.2	8.4	8.2	7.8
62.5°	35.9	27.6	19.4	13.9	10.5	8.7	7.8	8.3	8.7	8.7	8.1
60°	38.5	30.5	24.8	18.9	13.4	9.8	8.6	8.4	8.8	9.1	8.6
57.5°	34.7	31.4	27.7	23.1	17.4	12.0	9.5	9.0	8.9	9.3	9.2
55°	29.0	27.4	29.1	26.0	20.8	15.1	11.0	9.8	9.1	9.4	9.8
52.5°	21.7	24.5	27.9	27.9	23.7	18.0	13.5	10.6	9.9	9.5	9.9
50°	16.4	21.0	26.5	28.6	26.3	20.8	15.7	12.2	10.6	9.7	10.1
47.5°	15.2	19.3	23.7	29.1	28.3	23.4	17.8	13.6	11.3	10.4	10.3
45°	16.3	19.1	22.3	26.9	30.1	25.0	19.9	14.7	12.2	11.1	10.6
42.5°	18.6	20.6	22.8	25.1	28.3	26.0	21.8	16.2	12.8	11.8	11.1
40°	23.2	23.5	24.2	26.4	27.0	26.7	22.5	17.7	13.3	12.6	11.7
37.5°	29.0	28.2	27.4	29.8	27.6	26.3	22.7	19.0	14.7	13.5	12.4
35°	38.1	34.7	33.9	35.4	32.4	26.8	22.7	19.7	16.8	14.6	13.0
32.5°	48.8	45.9	44.8	42.4	38.8	28.2	23.2	21.3	18.9	15.7	13.6
30°	64.3	66.5	58.2	50.5	46.5	34.3	25.9	23.3	21.0	16.9	14.2
27.5°	95.7	92.9	75.2	62.6	54.2	42.5	31.6	25.6	23.1	18.3	15.2
25°	136.0	124.9	101.1	77.2	62.6	68.5	38.4	28.3	25.1	20.1	16.2
22.5°	189.4	162.0	130.8	93.2	100.8	103.3	52.8	33.7	27.2	21.8	17.2
20°	251.2	203.8	175.6	155.2	147.4	137.6	78.1	39.6	29.4	23.5	18.2
17.5°	329.8	290.7	281.8	235.2	199.6	175.2	108.2	46.0	31.7	25.1	19.2
15°	543.0	429.3	395.5	324.8	255.0	215.5	141.9	52.7	34.2	26.6	20.1
12.5°	811.2	568.5	515.3	421.7	312.8	257.8	178.2	59.6	36.6	28.2	20.8
10°	1107.5	707.8	639.2	523.5	372.2	301.3	215.7	67.7	40.7	29.7	21.5
7.5°	1419.4	846.4	765.2	627.4	431.0	343.3	254.7	78.5	45.2	31.2	22.1
5°	1708.5	966.2	869.9	714.9	483.5	382.0	292.2	89.3	49.7	32.6	22.6
2.5°	1873.0	1056.7	957.6	795.3	534.3	419.0	326.5	99.5	54.2	33.9	23.0
0°	2006.6	1143.6	1040.3	868.9	582.5	453.9	356.5	109.1	58.4	35.1	23.4
-2.5°	1971.6	1130.2	1024.9	862.1	597.4	464.4	360.9	126.7	72.3	44.2	27.9
-5°	1903.0	1112.9	1004.8	848.6	608.4	472.2	360.7	143.1	85.5	52.9	32.3
-7.5°	1771.1	1073.9	973.8	828.6	615.1	476.8	356.5	158.1	97.8	61.0	36.3
-10°	1602.6	1021.2	929.7	794.6	605.8	475.2	349.4	171.6	109.1	68.3	39.9
-12.5°	1407.2	967.3	886.7	758.3	591.3	468.4	340.3	183.1	119.0	74.6	42.9
-15°	1187.0	912.9	846.3	721.0	574.2	459.9	329.8	192.6	127.5	80.2	45.2
-17.5°	949.2	858.8	810.1	684.1	554.9	449.9	318.6	200.0	134.6	85.3	47.6
-20°	881.8	823.2	775.8	648.6	533.5	438.7	307.5	205.3	140.2	89.1	49.7



REPORT NUMBER: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	848.9	803.7	737.2	619.5	513.5	426.4	297.1	208.2	144.2	91.6	50.8
-25°	818.4	785.7	700.4	592.5	496.8	408.2	293.0	208.7	146.5	92.5	50.7
-27.5°	796.5	762.4	663.9	563.3	478.3	392.9	292.2	210.5	147.2	91.9	49.4
-30°	779.6	721.2	628.9	534.4	457.6	372.2	288.3	210.2	146.2	90.3	46.9
-32.5°	765.7	681.6	592.6	509.7	433.3	350.3	275.7	207.7	143.0	87.2	45.2
-35°	729.4	643.0	555.3	482.7	407.3	330.2	259.2	202.8	137.6	82.3	43.3
-37.5°	690.6	603.1	523.9	453.7	380.6	308.0	243.9	188.5	130.0	75.5	40.5
-40°	644.6	563.4	491.4	423.9	353.8	283.8	226.4	172.0	120.5	66.8	36.7
-42.5°	596.3	524.5	456.4	393.0	325.2	262.3	206.8	153.7	105.4	59.9	32.1
-45°	550.2	482.2	418.3	356.8	295.3	238.6	184.7	134.0	88.6	53.5	28.6
-47.5°	500.4	436.9	376.6	318.3	266.2	212.4	160.6	114.1	71.0	45.8	27.6
-50°	447.1	388.5	332.3	281.7	233.8	183.5	135.3	93.0	60.1	36.2	26.2
-52.5°	393.0	338.0	290.1	245.3	199.1	152.6	110.6	71.8	48.6	31.5	24.6
-55°	337.0	291.1	249.6	206.4	162.7	122.9	84.7	58.3	36.6	29.0	22.9
-57.5°	288.0	246.9	206.1	165.4	128.1	92.8	65.0	44.3	31.7	26.4	22.2
-60°	239.1	198.6	160.3	126.8	94.2	68.0	48.7	33.5	28.9	24.1	21.4
-62.5°	184.0	149.2	118.7	89.1	67.1	49.5	34.5	30.5	26.0	22.9	20.4
-65°	132.7	104.9	78.3	62.4	46.5	34.7	31.3	27.4	24.2	21.6	19.4
-67.5°	84.7	69.2	53.9	39.7	34.2	31.1	28.0	25.1	22.5	20.2	18.4
-70°	55.9	42.5	35.9	33.0	30.3	27.6	25.4	23.0	20.7	19.3	17.5
-72.5°	37.8	34.5	31.4	28.8	27.2	25.3	23.0	21.0	19.8	18.3	16.5
-75°	32.0	29.8	28.1	26.6	24.9	22.9	21.4	20.3	18.9	17.4	15.5
-77.5°	27.7	26.4	25.4	24.2	22.6	21.3	20.3	19.5	17.9	16.2	14.4
-80°	23.5	22.8	22.0	21.1	20.2	19.5	18.9	18.1	16.5	15.0	13.3
-82.5°	19.6	19.1	18.7	18.4	18.0	17.5	17.1	16.6	15.1	13.7	12.4
-85°	16.0	16.0	16.1	16.2	15.9	15.6	15.3	15.0	13.8	12.7	11.7
-87.5°	13.8	13.9	14.0	13.9	13.8	13.6	13.5	13.3	12.5	11.7	10.9
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.3



REPORT NUMBER: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.7	9.2	8.8	8.3	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	8.0	7.8	7.8	7.8	7.8	7.8
72.5°	7.9	8.1	8.0	7.8	7.8	7.8	7.8
70°	8.0	8.2	8.2	7.8	7.8	7.8	7.8
67.5°	8.0	8.4	8.4	8.0	7.8	7.8	7.8
65°	8.1	8.5	8.6	8.2	7.8	7.8	7.8
62.5°	8.1	8.5	8.8	8.4	7.8	7.8	7.8
60°	8.2	8.6	9.0	8.6	7.8	7.8	7.8
57.5°	8.6	8.6	9.0	8.8	7.9	7.8	7.8
55°	9.1	8.7	9.1	9.0	8.1	7.8	7.8
52.5°	9.6	8.8	9.1	9.2	8.2	7.8	7.8
50°	10.1	9.2	9.2	9.4	8.3	7.8	7.8
47.5°	10.5	9.6	9.2	9.6	8.5	7.8	7.8
45°	10.7	10.0	9.3	9.6	8.6	7.8	7.8
42.5°	11.0	10.4	9.4	9.7	8.7	7.8	7.8
40°	11.3	10.7	9.5	9.7	8.8	7.8	7.8
37.5°	11.7	11.1	9.8	9.8	8.9	7.8	7.8
35°	12.0	11.4	10.1	9.8	9.0	7.8	7.8
32.5°	12.4	11.7	10.4	9.9	9.1	7.8	7.8
30°	12.9	12.0	10.6	10.0	9.2	7.8	7.8
27.5°	13.4	12.3	10.9	10.1	9.3	7.8	7.8
25°	13.9	12.6	11.1	10.2	9.3	7.8	7.8
22.5°	14.3	12.9	11.2	10.4	9.4	7.8	7.8
20°	14.8	13.0	11.4	10.5	9.5	7.8	7.8
17.5°	15.1	13.2	11.5	10.6	9.5	7.8	7.8
15°	15.5	13.3	11.6	10.8	9.6	7.8	7.8
12.5°	15.9	13.4	11.6	11.0	9.6	7.8	7.8
10°	16.2	13.5	11.7	11.1	9.6	7.8	7.8
7.5°	16.6	13.5	11.7	11.3	9.7	7.8	7.8
5°	16.9	13.6	11.7	11.4	9.7	7.8	7.8
2.5°	17.2	13.6	11.7	11.6	9.7	7.8	7.8
0°	17.5	13.6	11.7	11.7	9.7	7.8	7.8
-2.5°	19.0	14.0	12.0	11.8	9.8	7.8	7.8
-5°	20.5	14.4	12.4	11.9	9.9	7.9	7.8
-7.5°	21.8	14.8	12.7	12.0	9.9	7.9	7.8
-10°	23.0	15.2	13.0	12.1	10.0	8.0	7.8
-12.5°	23.9	15.5	13.3	12.2	10.0	8.0	7.8
-15°	24.7	15.8	13.6	12.2	10.1	8.0	7.8
-17.5°	25.1	16.1	13.8	12.3	10.1	8.1	7.8
-20°	25.6	16.4	14.1	12.3	10.2	8.1	7.8



REPORT NUMBER: P701729 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.2	16.6	14.2	12.4	10.2	8.1	7.8
-25°	26.3	17.0	14.4	12.4	10.2	8.2	7.8
-27.5°	25.9	17.4	14.5	12.4	10.2	8.2	7.8
-30°	24.9	17.6	14.5	12.4	10.2	8.2	7.8
-32.5°	23.3	17.7	14.6	12.3	10.2	8.2	7.8
-35°	22.8	17.7	14.6	12.3	10.1	8.2	7.8
-37.5°	22.8	17.6	14.6	12.3	10.1	8.3	7.8
-40°	22.6	17.6	14.6	12.2	10.1	8.3	7.8
-42.5°	22.1	17.5	14.5	12.1	10.0	8.3	7.8
-45°	21.5	17.3	14.4	12.1	10.0	8.3	7.8
-47.5°	20.6	17.1	14.3	12.0	9.9	8.3	7.8
-50°	20.2	16.9	14.1	11.8	9.8	8.3	7.8
-52.5°	19.8	16.6	13.9	11.7	9.7	8.3	7.8
-55°	19.4	16.3	13.7	11.5	9.6	8.2	7.8
-57.5°	18.8	15.9	13.4	11.3	9.5	8.2	7.8
-60°	18.3	15.5	13.1	11.1	9.4	8.2	7.8
-62.5°	17.6	15.0	12.8	10.9	9.4	8.2	7.8
-65°	16.9	14.5	12.4	10.7	9.3	8.2	7.8
-67.5°	16.2	13.9	12.0	10.4	9.1	8.1	7.8
-70°	15.4	13.3	11.6	10.2	9.0	8.1	7.8
-72.5°	14.5	12.7	11.2	9.9	8.9	8.1	7.8
-75°	13.6	12.1	10.7	9.7	8.7	8.0	7.8
-77.5°	12.7	11.4	10.4	9.5	8.6	8.0	7.8
-80°	11.8	10.9	10.1	9.3	8.4	8.0	7.8
-82.5°	11.2	10.5	9.7	9.0	8.3	7.9	7.8
-85°	10.7	10.1	9.4	8.8	8.1	7.9	7.8
-87.5°	10.2	9.7	9.1	8.5	8.0	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

