

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: P701609 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-2S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701609 (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-40-70-2S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

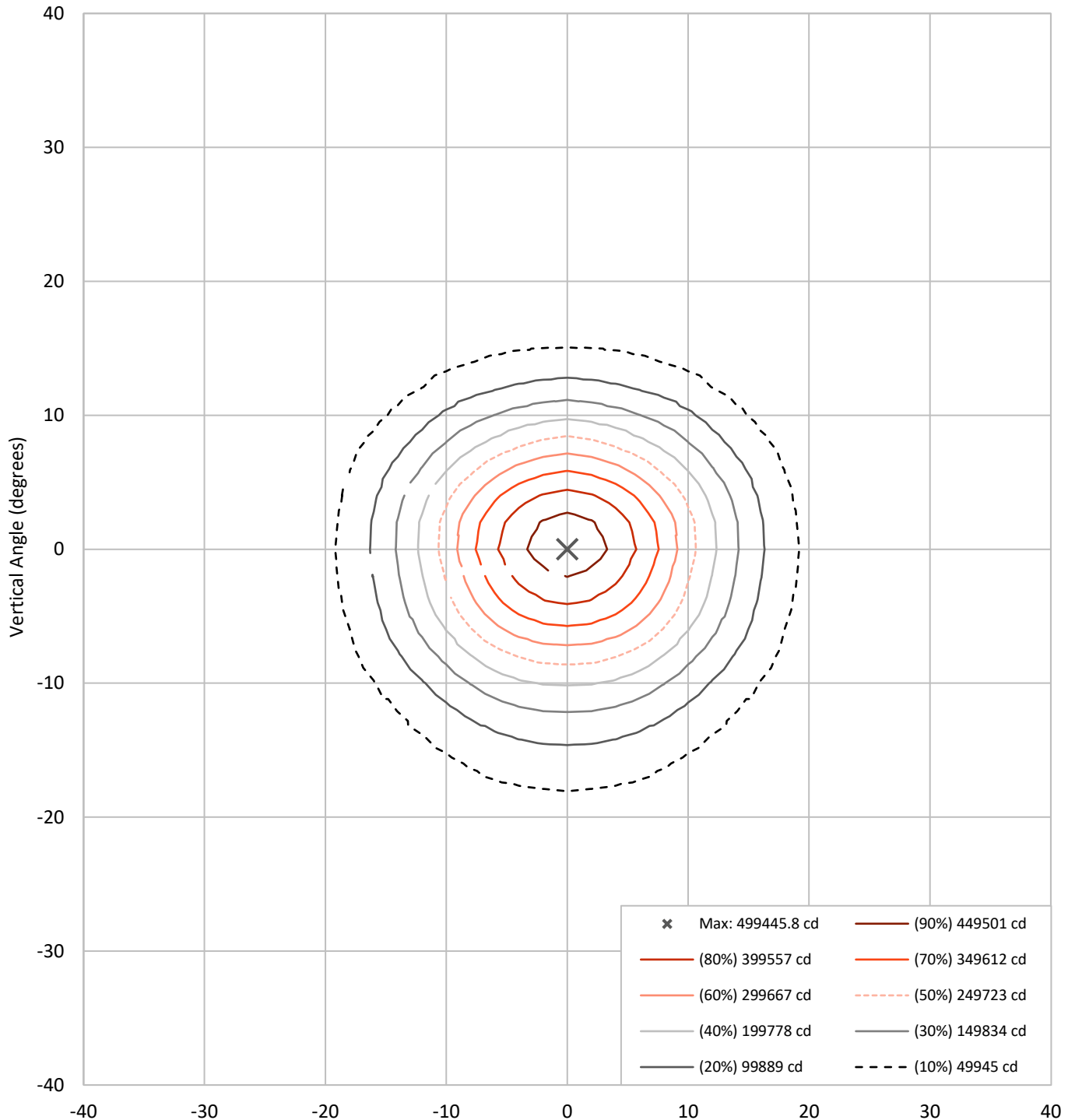
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	67365 lumens	Max Intensity:	499445.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	95.7 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:	29480.5 lumens	Field Lumens:	57061.7 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





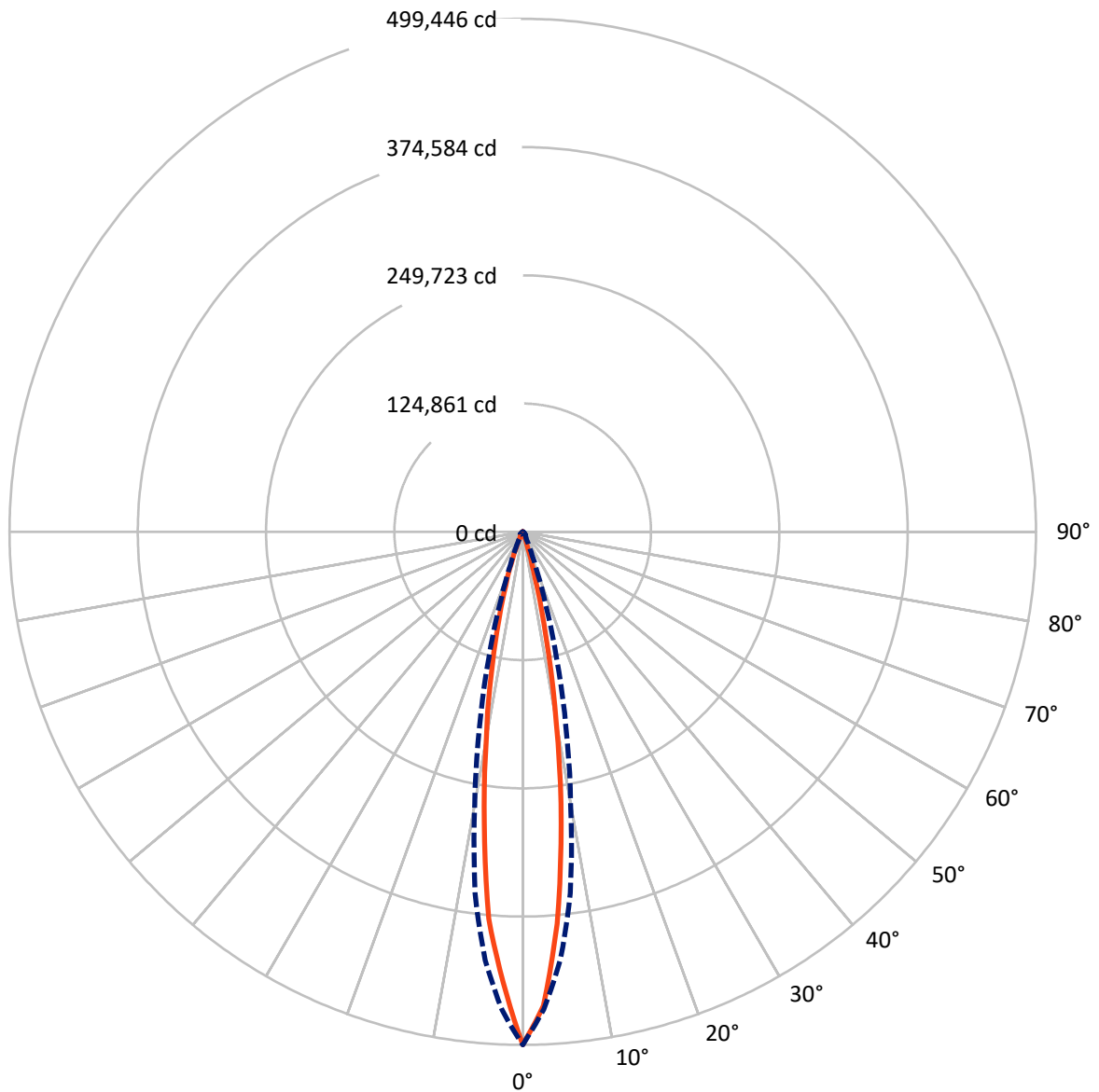
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Lumen Table

90	0.2	0.5	0.8	0.8	1.0	0.8	0.8	0.5	0.2								
80	0.2	0.5	0.8	0.8	1.0	0.8	0.8	0.5	0.2								
70	0.2	0.1	0.2	0.8	0.9	0.5	0.3	0.2	0.2	0.3	0.5	0.9	0.8	0.2	0.1	0.2	
60		0.2	0.4	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.4	0.2		
50	0.2	0.2	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.2	0.2	
40		0.3	0.7	0.9	1.8	2.5	2.8	3.3	3.3	2.8	2.5	1.8	0.9	0.7	0.3		
30	0.3	0.5	1.7	4.3	8.4	10.8	19.1	40.5	40.5	19.1	10.8	8.4	4.3	1.7	0.5	0.3	
20		1.3	6.2	20.7	43.3	78.5	542.0	1669.3	1669.3	542.0	78.5	43.3	20.7	6.2	1.3		
10	0.5	2.3	12.9	50.4	100.9	320.5	3129.0	9301.3	9301.3	3129.0	320.5	100.9	50.4	12.9	2.3	0.5	
0		3.1	15.3	58.9	115.2	334.4	3193.8	9351.3	9351.3	3193.8	334.4	115.2	58.9	15.3	3.1		
-10	0.7	3.3	13.3	44.0	89.0	144.3	881.9	2619.9	2619.9	881.9	144.3	89.0	44.0	13.3	3.3	0.7	
-20		3.2	11.2	26.0	66.2	94.0	142.1	298.2	298.2	142.1	94.0	66.2	26.0	11.2	3.2		
-30	0.6	2.8	9.1	18.1	40.5	77.5	98.7	106.1	106.1	98.7	77.5	40.5	18.1	9.1	2.8	0.6	
-40		2.0	6.7	14.5	24.5	39.7	64.4	83.8	83.8	64.4	39.7	24.5	14.5	6.7	2.0		
-50	0.4	0.9	3.9	9.1	16.6	24.2	29.8	33.2	33.2	29.8	24.2	16.6	9.1	3.9	0.9	0.4	
-60		0.4	1.3	3.9	7.4	11.4	15.4	18.0	18.0	15.4	11.4	7.4	3.9	1.3	0.4		
-70	0.3	0.4	1.3	3.9	7.4	11.4	15.4	18.0	18.0	15.4	11.4	7.4	3.9	1.3	0.4	0.3	
-80		0.3	1.3	3.4	8.4	13.2	8.4	3.4	1.3	0.3							
-90	0.3	1.3	3.4	8.4	13.2	8.4	3.4	1.3	0.3								

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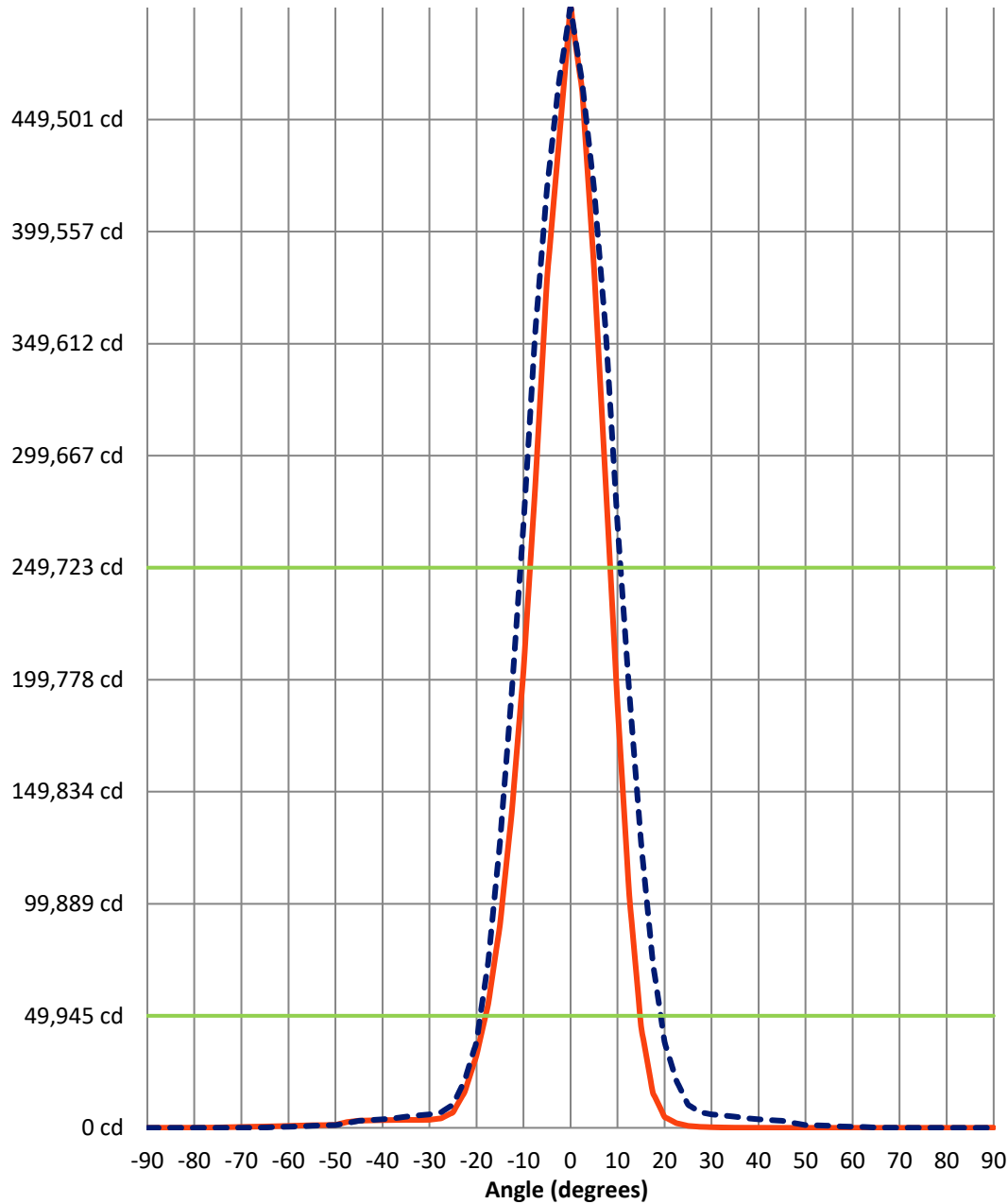
Luminous Intensity Polar Plot



— 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: 29480.5
 Efficiency: 43.8%

Field:
 H Angle: 38.4°
 V Angle: 32.9°
 Lumens: 57061.7
 Efficiency: 84.7%

Spill:
 Lumens: 10303.3
 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°	8.3	8.3	8.3	8.8	9.4	9.9	10.4	10.9	11.5	12.0	12.5
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.9	7.6	7.3	7.1
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.1	8.0	7.9	8.0
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.3	8.3	8.5	8.4	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.5	8.6	8.4	8.3	8.3	8.3	8.3
70°	8.3	8.3	8.3	8.3	8.7	8.8	8.5	8.3	8.3	8.3	8.4
67.5°	8.3	8.3	8.3	8.5	8.9	8.9	8.5	8.3	8.3	8.6	8.6
65°	8.3	8.3	8.3	8.8	9.1	9.1	8.6	8.3	8.8	9.0	8.7
62.5°	8.3	8.3	8.3	9.0	9.4	9.1	8.6	8.7	9.2	9.3	8.8
60°	8.3	8.3	8.3	9.2	9.6	9.2	8.7	9.2	9.8	9.4	8.9
57.5°	8.3	8.3	8.5	9.4	9.7	9.2	9.2	9.8	10.0	9.5	9.6
55°	8.3	8.3	8.6	9.6	9.7	9.3	9.7	10.5	10.1	9.8	10.4
52.5°	8.3	8.3	8.8	9.9	9.8	9.4	10.2	10.6	10.2	10.5	11.3
50°	8.3	8.3	8.9	10.1	9.8	9.8	10.8	10.8	10.4	11.3	13.0
47.5°	8.3	8.3	9.0	10.3	9.9	10.3	11.2	11.1	11.1	12.1	14.5
45°	8.3	8.3	9.2	10.3	10.0	10.7	11.5	11.4	11.9	13.0	15.7
42.5°	8.3	8.3	9.3	10.4	10.0	11.1	11.8	11.9	12.7	13.7	17.3
40°	8.3	8.3	9.4	10.4	10.2	11.5	12.1	12.5	13.5	14.2	18.9
37.5°	8.3	8.3	9.5	10.5	10.5	11.8	12.5	13.2	14.4	15.7	20.3
35°	8.3	8.3	9.6	10.5	10.8	12.2	12.8	13.8	15.5	17.9	21.0
32.5°	8.3	8.3	9.7	10.6	11.1	12.5	13.3	14.4	16.7	20.2	22.8
30°	8.3	8.3	9.8	10.7	11.4	12.8	13.8	15.2	18.0	22.4	24.9
27.5°	8.3	8.3	9.9	10.8	11.6	13.1	14.3	16.2	19.6	24.7	27.4
25°	8.3	8.3	10.0	10.9	11.8	13.4	14.8	17.2	21.4	26.8	30.3
22.5°	8.3	8.3	10.1	11.1	12.0	13.7	15.3	18.3	23.3	29.0	36.0
20°	8.3	8.3	10.1	11.2	12.1	13.9	15.7	19.4	25.1	31.4	42.3
17.5°	8.3	8.3	10.2	11.4	12.3	14.0	16.1	20.5	26.8	33.9	49.1
15°	8.3	8.3	10.3	11.5	12.3	14.2	16.5	21.5	28.5	36.5	56.2
12.5°	8.3	8.3	10.3	11.7	12.4	14.3	16.9	22.3	30.1	39.1	63.6
10°	8.3	8.3	10.3	11.9	12.5	14.3	17.3	23.0	31.7	43.4	72.3
7.5°	8.3	8.3	10.4	12.0	12.5	14.4	17.7	23.6	33.3	48.2	83.8
5°	8.3	8.3	10.4	12.2	12.5	14.5	18.1	24.1	34.8	53.1	95.2
2.5°	8.3	8.3	10.4	12.4	12.5	14.5	18.4	24.5	36.2	57.8	106.2
0°	8.3	8.3	10.4	12.5	12.5	14.5	18.7	24.9	37.4	62.3	116.4
-2.5°	8.3	8.3	10.5	12.6	12.9	15.0	20.3	29.8	47.1	77.1	135.2
-5°	8.3	8.4	10.6	12.7	13.2	15.4	21.9	34.4	56.4	91.2	152.7
-7.5°	8.3	8.4	10.6	12.8	13.6	15.8	23.3	38.7	65.0	104.4	168.7
-10°	8.3	8.5	10.7	12.9	13.9	16.2	24.6	42.5	72.8	116.4	183.0
-12.5°	8.3	8.5	10.8	13.0	14.2	16.6	25.6	45.7	79.5	127.0	195.3
-15°	8.3	8.6	10.8	13.1	14.5	16.9	26.4	48.2	85.5	136.0	205.5
-17.5°	8.3	8.6	10.8	13.1	14.8	17.2	26.9	50.8	91.0	143.6	213.4
-20°	8.3	8.6	10.9	13.2	15.0	17.5	27.4	53.0	95.1	149.5	219.0



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	8.7	10.9	13.2	15.2	17.8	28.0	54.2	97.6	153.8	222.1
-25°	8.3	8.7	10.9	13.2	15.3	18.1	28.1	54.1	98.7	156.3	222.6
-27.5°	8.3	8.7	10.9	13.2	15.4	18.5	27.7	52.8	98.0	157.0	224.5
-30°	8.3	8.8	10.9	13.2	15.5	18.7	26.6	50.0	96.3	155.9	224.2
-32.5°	8.3	8.8	10.9	13.2	15.6	18.8	24.9	48.2	93.0	152.5	221.5
-35°	8.3	8.8	10.8	13.1	15.6	18.8	24.4	46.2	87.8	146.8	216.4
-37.5°	8.3	8.8	10.8	13.1	15.6	18.7	24.3	43.2	80.6	138.7	201.1
-40°	8.3	8.8	10.8	13.0	15.6	18.7	24.0	39.2	71.3	128.5	183.4
-42.5°	8.3	8.8	10.7	13.0	15.5	18.6	23.6	34.3	63.9	112.4	164.0
-45°	8.3	8.8	10.7	12.9	15.4	18.5	22.8	30.5	57.1	94.5	142.9
-47.5°	8.3	8.8	10.6	12.8	15.2	18.3	21.9	29.4	48.9	75.8	121.6
-50°	8.3	8.8	10.5	12.6	15.1	18.0	21.5	27.9	38.6	64.1	99.2
-52.5°	8.3	8.8	10.4	12.5	14.8	17.7	21.1	26.2	33.6	51.8	76.6
-55°	8.3	8.8	10.3	12.3	14.6	17.4	20.6	24.4	30.9	39.0	62.2
-57.5°	8.3	8.8	10.2	12.1	14.3	17.0	20.1	23.7	28.1	33.8	47.2
-60°	8.3	8.8	10.1	11.9	14.0	16.5	19.5	22.8	25.7	30.8	35.7
-62.5°	8.3	8.7	10.0	11.7	13.6	16.0	18.8	21.7	24.4	27.7	32.5
-65°	8.3	8.7	9.9	11.4	13.2	15.4	18.0	20.7	23.0	25.8	29.2
-67.5°	8.3	8.7	9.8	11.2	12.8	14.9	17.2	19.7	21.6	24.0	26.8
-70°	8.3	8.6	9.6	10.9	12.4	14.2	16.4	18.6	20.6	22.2	24.5
-72.5°	8.3	8.6	9.5	10.6	11.9	13.6	15.5	17.6	19.5	21.2	22.5
-75°	8.3	8.6	9.3	10.4	11.5	12.9	14.5	16.5	18.5	20.2	21.6
-77.5°	8.3	8.5	9.2	10.1	11.1	12.2	13.6	15.4	17.3	19.1	20.8
-80°	8.3	8.5	9.0	9.9	10.8	11.6	12.6	14.2	15.9	17.6	19.3
-82.5°	8.3	8.4	8.8	9.6	10.4	11.2	12.0	13.2	14.6	16.1	17.6
-85°	8.3	8.4	8.7	9.4	10.1	10.8	11.5	12.5	13.5	14.7	15.9
-87.5°	8.3	8.3	8.5	9.1	9.7	10.3	10.9	11.7	12.5	13.3	14.2
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.7	6.2



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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°	12.5	12.5	12.5	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.1
87.5°	6.9	6.7	6.5	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.7
85°	7.7	7.3	6.9	6.5	6.5	6.5	6.4	6.2	5.9	5.7	5.6
82.5°	8.0	7.8	7.7	7.7	7.5	7.2	6.8	6.3	6.2	6.2	6.2
80°	8.2	8.3	8.3	8.3	7.9	7.3	6.8	6.3	6.2	6.3	6.3
77.5°	8.3	8.3	8.3	8.3	7.9	7.6	7.4	7.4	7.4	7.2	6.8
75°	8.3	8.3	8.3	8.3	8.2	8.2	8.3	8.3	8.1	7.9	7.9
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	10.0	12.3	13.9
70°	8.3	8.3	8.3	8.3	8.3	9.0	12.1	16.1	20.2	22.6	25.2
67.5°	8.3	8.3	8.3	8.7	10.8	14.2	18.8	27.6	37.6	40.5	40.4
65°	8.3	8.3	9.3	11.4	14.2	21.2	30.7	42.4	51.3	49.9	46.3
62.5°	8.3	9.3	11.2	14.8	20.6	29.4	38.3	46.8	55.6	53.2	45.2
60°	9.2	10.5	14.3	20.2	26.4	32.5	41.1	46.5	51.2	51.4	39.6
57.5°	10.1	12.8	18.6	24.6	29.5	33.4	37.0	41.2	42.7	41.7	30.4
55°	11.8	16.1	22.2	27.7	31.0	29.2	30.9	31.9	31.3	28.6	20.0
52.5°	14.5	19.3	25.2	29.7	29.8	26.1	23.2	23.3	21.2	17.4	14.8
50°	16.7	22.2	28.0	30.4	28.2	22.4	17.6	17.0	15.6	13.9	12.5
47.5°	19.0	25.0	30.2	31.0	25.3	20.6	16.2	14.7	13.9	13.6	13.0
45°	21.3	26.7	32.0	28.7	23.8	20.3	17.4	14.4	14.8	14.7	14.1
42.5°	23.2	27.8	30.2	26.7	24.3	22.0	19.8	17.7	16.6	17.0	16.9
40°	24.0	28.4	28.8	28.1	25.9	25.1	24.7	23.1	19.7	21.3	21.7
37.5°	24.3	28.1	29.5	31.7	29.3	30.1	31.0	31.5	29.1	27.5	31.6
35°	24.3	28.7	34.5	37.8	36.2	37.0	40.6	42.1	41.1	40.4	48.0
32.5°	24.8	30.1	41.4	45.3	47.8	49.0	52.1	55.0	57.9	62.5	76.8
30°	27.7	36.6	49.6	53.9	62.1	71.0	68.7	70.3	77.9	106.1	130.5
27.5°	33.7	45.4	57.8	66.8	80.2	99.2	102.1	93.8	118.4	161.4	201.6
25°	41.0	73.1	66.7	82.3	107.9	133.3	145.0	150.6	179.5	237.6	282.8
22.5°	56.3	110.1	107.4	99.3	139.6	172.9	202.0	260.1	341.6	359.9	369.5
20°	83.3	146.8	157.2	165.5	187.4	217.4	267.9	406.8	580.4	644.2	577.9
17.5°	115.4	186.9	212.9	250.9	300.6	310.1	351.8	581.8	880.4	984.5	1004.7
15°	151.4	229.9	271.9	346.5	421.9	457.9	579.2	864.9	1208.7	1378.8	1496.7
12.5°	190.1	275.0	333.6	449.8	549.6	606.4	865.3	1300.9	1630.8	1829.6	2140.8
10°	230.1	321.5	397.0	558.3	681.8	755.0	1181.3	1751.1	2083.6	2309.6	2710.0
7.5°	271.8	366.2	459.8	669.2	816.2	902.8	1514.0	2205.4	2524.5	2770.9	3174.2
5°	311.7	407.5	515.8	762.5	927.8	1030.6	1822.4	2651.2	2952.8	3214.0	3575.2
2.5°	348.3	447.0	569.9	848.3	1021.4	1127.1	1997.8	2905.9	3225.8	3536.8	3932.3
0°	380.3	484.2	621.3	926.8	1109.6	1219.8	2140.3	3127.4	3457.8	3796.5	4270.2
-2.5°	385.0	495.4	637.2	919.6	1093.2	1205.5	2103.0	3093.2	3495.0	3890.2	4384.8
-5°	384.7	503.7	648.9	905.1	1071.7	1187.0	2029.9	3015.1	3481.5	3873.3	4337.7
-7.5°	380.3	508.6	656.1	883.8	1038.7	1145.4	1889.2	2823.2	3312.1	3657.4	4103.6
-10°	372.7	506.9	646.1	847.6	991.7	1089.2	1709.5	2596.5	3133.9	3436.8	3833.5
-12.5°	363.0	499.7	630.7	808.8	945.8	1031.7	1501.0	2339.6	2951.6	3217.7	3542.4
-15°	351.8	490.6	612.5	769.0	902.7	973.7	1266.1	2056.3	2771.6	3047.9	3302.1
-17.5°	339.9	479.9	591.9	729.6	864.0	916.0	1012.5	1747.4	2515.3	2863.1	3120.8
-20°	328.0	467.9	569.1	691.8	827.4	878.0	940.5	1450.3	2142.6	2649.7	2922.3



REPORT NUMBER: P701609 (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°	316.9	454.8	547.7	660.8	786.3	857.3	905.5	1159.8	1749.3	2411.1	2710.3
-25°	312.6	435.4	529.9	632.0	747.1	838.1	873.0	915.7	1390.8	2025.1	2495.8
-27.5°	311.7	419.1	510.2	600.9	708.1	813.2	849.7	881.1	1123.2	1637.4	2247.5
-30°	307.6	397.0	488.1	570.0	670.8	769.2	831.6	866.4	920.8	1318.1	1825.9
-32.5°	294.1	373.6	462.1	543.6	632.0	727.0	816.7	859.4	904.0	1013.3	1438.8
-35°	276.5	352.2	434.4	514.8	592.3	685.8	778.0	853.7	887.4	938.2	1115.6
-37.5°	260.1	328.6	406.0	483.9	558.8	643.2	736.6	821.4	880.2	919.6	982.9
-40°	241.5	302.8	377.4	452.1	524.1	600.9	687.5	775.3	854.7	922.4	971.1
-42.5°	220.6	279.8	347.0	419.2	486.8	559.4	636.1	721.1	811.1	904.0	973.0
-45°	197.0	254.5	315.0	380.6	446.1	514.3	586.9	663.2	754.5	849.1	941.2
-47.5°	171.3	226.5	284.0	339.5	401.8	466.0	533.7	608.3	689.1	778.8	873.5
-50°	144.3	195.7	249.3	300.5	354.5	414.4	476.9	548.4	623.6	702.1	787.0
-52.5°	117.9	162.7	212.3	261.6	309.4	360.5	419.2	483.4	552.7	625.2	696.1
-55°	90.3	131.1	173.6	220.1	266.2	310.5	359.5	417.2	476.6	542.3	605.3
-57.5°	69.3	99.0	136.6	176.4	219.8	263.3	307.2	350.9	403.1	457.8	509.5
-60°	51.9	72.5	100.5	135.2	171.0	211.9	255.0	296.2	336.1	373.9	418.6
-62.5°	36.7	52.8	71.6	95.0	126.6	159.1	196.3	235.8	276.1	308.9	338.8
-65°	33.3	37.0	49.6	66.6	83.4	111.9	141.6	170.9	205.4	236.9	266.6
-67.5°	29.8	33.2	36.4	42.3	57.5	73.8	90.3	116.2	141.9	164.6	187.0
-70°	27.1	29.5	32.3	35.2	38.4	45.3	59.6	74.0	88.4	105.0	124.9
-72.5°	24.6	27.0	29.0	30.8	33.6	36.9	40.3	44.0	52.2	63.8	75.7
-75°	22.9	24.5	26.6	28.4	30.0	31.9	34.1	37.1	40.0	42.5	44.7
-77.5°	21.7	22.7	24.1	25.9	27.1	28.2	29.5	31.2	33.2	35.4	37.7
-80°	20.1	20.8	21.5	22.5	23.4	24.3	25.1	25.9	27.1	28.5	30.1
-82.5°	18.2	18.7	19.2	19.6	20.0	20.4	20.9	21.5	22.2	22.9	23.7
-85°	16.3	16.6	16.9	17.2	17.1	17.1	17.1	17.1	17.5	17.8	18.2
-87.5°	14.4	14.5	14.7	14.9	14.9	14.8	14.7	14.5	14.6	14.7	14.8
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.7



REPORT NUMBER: P701609 (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°
90°	16.6	16.6	16.6	16.6	16.6	22.3	28.0	33.8	39.5	49.4	59.2
87.5°	4.2	4.2	4.2	4.2	4.2	3.7	3.2	2.6	2.1	2.1	2.1
85°	5.5	5.2	4.9	4.6	4.2	4.1	4.1	4.1	4.1	3.6	3.1
82.5°	6.2	5.7	5.2	4.7	4.2	3.8	3.4	2.9	2.3	2.2	2.1
80°	6.2	5.8	5.3	4.8	4.3	4.1	4.0	3.9	3.9	4.0	4.1
77.5°	6.5	6.2	5.7	5.1	4.4	4.2	4.2	4.2	4.2	3.8	3.3
75°	8.1	8.0	7.8	7.3	6.4	6.0	5.7	5.1	4.4	4.1	4.1
72.5°	14.7	14.6	13.9	13.0	11.5	10.5	10.1	9.7	9.2	9.0	8.9
70°	26.1	25.7	24.2	21.3	17.4	14.7	13.6	12.3	10.9	10.3	10.3
67.5°	36.8	32.6	28.8	24.6	19.8	16.0	14.1	12.1	9.9	8.8	8.6
65°	40.7	32.6	27.0	22.4	18.9	15.5	12.8	10.3	8.0	6.9	7.2
62.5°	36.6	27.0	21.1	17.2	14.2	12.1	9.9	8.2	6.9	6.3	6.3
60°	29.1	19.6	14.5	12.1	10.1	8.4	7.4	6.4	5.5	4.9	5.2
57.5°	21.0	14.1	10.3	9.4	8.3	6.9	5.9	5.6	5.5	5.5	5.9
55°	14.3	11.8	10.4	9.3	8.2	7.0	6.2	6.2	6.2	6.2	6.2
52.5°	11.9	11.2	10.6	9.7	8.5	7.3	6.2	6.2	6.2	6.2	6.2
50°	12.0	11.4	10.8	10.1	8.9	7.6	6.4	6.5	6.9	7.4	7.4
47.5°	12.2	11.6	11.2	10.5	9.5	9.0	8.3	8.5	9.2	9.5	9.4
45°	12.7	12.8	12.6	12.5	11.7	11.9	12.0	12.1	14.8	14.7	12.9
42.5°	15.6	16.6	17.5	18.1	15.5	20.2	27.3	30.6	26.8	21.7	18.4
40°	23.5	24.6	29.4	31.9	39.2	46.2	39.8	32.3	28.9	31.4	33.3
37.5°	37.4	44.3	54.0	65.3	60.7	48.3	48.6	48.5	47.3	51.4	51.2
35°	62.6	78.4	88.1	86.0	79.6	75.9	79.3	82.9	74.8	82.0	83.9
32.5°	100.7	119.8	122.3	115.8	116.2	122.4	133.8	132.2	134.7	142.9	152.3
30°	145.4	168.0	176.7	164.8	156.3	171.3	177.7	183.4	201.8	225.9	247.6
27.5°	218.8	235.3	250.4	237.9	213.0	231.6	244.7	240.8	291.6	318.8	379.4
25°	311.0	334.4	343.0	347.5	339.1	335.6	368.5	385.2	455.4	529.7	656.0
22.5°	424.6	488.5	506.6	482.9	509.5	528.1	550.4	625.5	765.6	993.7	1319.4
20°	568.9	699.2	804.1	787.2	724.8	804.6	895.1	1131.6	1541.3	2462.4	3216.2
17.5°	1025.6	1027.9	1237.5	1321.8	1218.9	1392.2	1836.1	2605.9	4299.1	7406.2	9420.6
15°	1731.3	1778.0	1874.4	1987.3	2172.7	2625.4	3519.8	6745.5	11603.2	18324.3	25221.0
12.5°	2479.4	2584.8	2749.8	2842.2	3220.5	4432.0	8268.3	15331.6	25585.2	38524.1	59987.5
10°	3122.4	3402.8	3615.4	3904.4	4880.3	7725.7	14345.6	26550.3	47219.2	75134.4	108126.7
7.5°	3577.0	3987.3	4346.9	4890.2	6916.9	12652.7	23755.6	44059.4	75278.7	114700.4	160180.3
5°	4034.1	4553.4	4956.7	5672.8	8217.6	16348.3	31123.3	60465.1	105545.2	159210.7	220035.3
2.5°	4498.7	5082.4	5526.7	6412.8	9049.6	18222.2	34861.3	70255.9	125558.8	190903.1	264748.9
0°	4966.4	5519.1	5986.7	6988.2	10342.1	21170.4	38382.3	73992.6	127423.6	194124.6	269081.4
-2.5°	4944.8	5309.8	5737.9	6514.1	9433.8	19488.4	35674.9	69928.0	120627.6	182496.1	250470.7
-5°	4756.7	5013.1	5352.4	6038.3	8439.7	16244.4	30854.3	59775.1	106541.0	163223.3	221813.8
-7.5°	4464.6	4679.7	4933.3	5499.5	7293.9	12929.2	24957.6	47942.7	84516.5	125582.3	170510.3
-10°	4184.4	4350.3	4530.5	4922.9	6076.0	9476.0	17705.7	32486.1	58832.9	89554.4	123745.1
-12.5°	3926.2	4058.5	4154.2	4320.1	4894.6	6863.7	12730.3	23300.0	38435.8	57466.2	82688.6
-15°	3663.1	3775.2	3824.7	3957.8	4333.6	5308.1	7673.0	14321.9	24027.3	36316.8	49105.7
-17.5°	3380.5	3513.8	3588.3	3673.8	3837.5	4241.2	5546.1	8341.7	14209.4	22459.9	30697.0
-20°	3148.2	3305.1	3369.0	3428.4	3579.3	3816.5	4189.0	5446.1	7589.4	12727.8	17849.9



REPORT NUMBER: P701609 (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°	2923.7	3065.2	3148.2	3275.9	3471.0	3635.2	3757.3	4056.7	4946.9	6349.1	8852.3
-25°	2719.5	2841.9	3006.0	3250.9	3442.0	3559.4	3582.4	3595.1	3848.9	4127.3	4972.4
-27.5°	2514.0	2687.5	2931.7	3208.0	3435.0	3492.3	3495.4	3491.0	3551.5	3593.7	3804.0
-30°	2330.9	2558.1	2788.7	3083.7	3304.6	3397.6	3437.1	3464.2	3495.3	3533.8	3547.7
-32.5°	1957.6	2422.0	2608.7	2844.9	3123.4	3270.5	3344.4	3407.5	3441.9	3475.5	3501.9
-35°	1547.7	2037.6	2483.1	2635.8	2833.4	3082.6	3268.2	3343.7	3407.2	3443.1	3476.6
-37.5°	1164.0	1584.0	2017.2	2423.0	2624.8	2801.0	3038.2	3222.9	3339.5	3385.6	3425.9
-40°	1025.7	1134.8	1517.3	1889.7	2245.1	2580.9	2778.0	3001.2	3179.5	3269.8	3339.7
-42.5°	1020.4	1060.5	1099.5	1361.0	1691.2	2014.9	2320.9	2607.4	2871.8	3051.6	3184.8
-45°	1019.3	1047.9	1080.5	1119.5	1158.9	1411.6	1694.4	1978.8	2268.9	2541.2	2785.2
-47.5°	953.1	1024.1	1063.2	1094.4	1120.5	1153.9	1192.0	1263.9	1500.1	1738.0	1976.6
-50°	862.1	933.2	998.2	1060.5	1092.1	1113.7	1134.5	1158.2	1188.0	1218.0	1248.6
-52.5°	760.4	827.9	894.1	953.5	1004.7	1053.8	1100.6	1122.0	1137.8	1152.3	1164.8
-55°	665.4	723.4	779.5	832.2	883.1	931.2	974.9	1012.3	1046.9	1078.4	1103.0
-57.5°	564.8	619.8	672.0	716.2	758.6	798.8	837.4	873.4	905.9	934.5	958.6
-60°	463.6	508.9	554.7	596.9	637.1	675.1	707.2	736.7	763.8	788.6	811.2
-62.5°	368.5	403.7	442.5	477.9	509.8	540.7	574.9	604.4	629.5	651.4	671.8
-65°	293.8	319.1	346.8	373.7	399.5	428.9	461.3	489.4	513.8	534.1	551.6
-67.5°	212.3	236.9	263.5	287.8	310.2	334.7	364.4	392.4	418.6	439.8	456.8
-70°	143.0	160.5	180.5	202.1	223.8	246.9	272.9	298.1	322.5	341.9	358.1
-72.5°	87.8	99.3	110.7	125.2	140.1	157.8	177.8	198.0	218.1	234.6	248.6
-75°	46.7	50.7	59.4	67.6	75.3	85.2	95.4	105.0	113.8	121.8	129.2
-77.5°	39.9	41.6	43.1	44.5	45.8	49.8	54.7	59.8	65.1	70.6	76.0
-80°	31.8	33.1	34.3	35.6	36.8	39.9	43.2	46.5	49.7	53.4	57.0
-82.5°	24.6	25.2	25.7	26.3	26.8	29.0	31.4	33.8	36.2	39.2	42.1
-85°	18.5	18.8	19.1	19.4	19.6	21.4	23.2	25.0	26.7	29.8	33.0
-87.5°	14.9	14.8	14.8	14.7	14.7	17.0	19.2	21.4	23.5	26.0	28.5
-90°	4.2	4.2	4.2	4.2	4.2	3.7	3.2	2.6	2.1	1.6	1.1



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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°	69.1	79.0	84.2	89.4	84.2	79.0	69.1	59.2	49.4	39.5	33.8
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.9
80°	4.1	4.2	3.2	2.1	3.2	4.2	4.1	4.1	4.0	3.9	3.9
77.5°	2.7	2.2	3.1	4.2	3.1	2.2	2.7	3.3	3.8	4.2	4.2
75°	4.1	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.4	5.1
72.5°	8.6	8.2	8.3	8.3	8.3	8.2	8.6	8.9	9.0	9.2	9.7
70°	10.3	10.3	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.9	12.3
67.5°	8.5	8.4	7.4	6.2	7.4	8.4	8.5	8.6	8.8	9.9	12.1
65°	7.7	8.2	7.4	6.2	7.4	8.2	7.7	7.2	6.9	8.0	10.3
62.5°	6.3	6.3	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.9	8.2
60°	5.6	6.1	6.2	6.2	6.2	6.1	5.6	5.2	4.9	5.5	6.4
57.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	5.9	5.5	5.5	5.6
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
50°	7.0	6.5	6.2	6.2	6.2	6.5	7.0	7.4	7.4	6.9	6.5
47.5°	9.0	8.5	8.3	8.3	8.3	8.5	9.0	9.4	9.5	9.2	8.5
45°	12.8	12.5	12.4	12.5	12.4	12.5	12.8	12.9	14.7	14.8	12.1
42.5°	18.6	18.6	18.6	18.7	18.6	18.6	18.6	18.4	21.7	26.8	30.6
40°	34.9	35.2	34.4	33.2	34.4	35.2	34.9	33.3	31.4	28.9	32.3
37.5°	51.1	51.4	51.4	51.9	51.4	51.4	51.1	51.2	51.4	47.3	48.5
35°	82.8	80.7	76.1	76.9	76.1	80.7	82.8	83.9	82.0	74.8	82.9
32.5°	158.4	156.2	147.4	153.8	147.4	156.2	158.4	152.3	142.9	134.7	132.2
30°	266.5	277.1	281.6	280.5	281.6	277.1	266.5	247.6	225.9	201.8	183.4
27.5°	410.4	433.8	448.5	457.2	448.5	433.8	410.4	379.4	318.8	291.6	240.8
25°	746.7	804.6	837.4	881.1	837.4	804.6	746.7	656.0	529.7	455.4	385.2
22.5°	1669.7	1879.2	2012.5	2107.1	2012.5	1879.2	1669.7	1319.4	993.7	765.6	625.5
20°	4331.9	4314.8	4662.0	4850.0	4662.0	4314.8	4331.9	3216.2	2462.4	1541.3	1131.6
17.5°	13560.2	15715.3	16262.1	15794.7	16262.1	15715.3	13560.2	9420.6	7406.2	4299.1	2605.9
15°	34855.9	42054.2	45390.0	45343.5	45390.0	42054.2	34855.9	25221.0	18324.3	11603.2	6745.5
12.5°	75161.8	89064.0	98141.5	103632.9	98141.5	89064.0	75161.8	59987.5	38524.1	25585.2	15331.6
10°	136401.5	160216.9	179207.9	188748.9	179207.9	160216.9	136401.5	108126.7	75134.4	47219.2	26550.3
7.5°	202144.2	240677.8	273215.1	286721.3	273215.1	240677.8	202144.2	160180.3	114700.4	75278.7	44059.4
5°	278306.0	339619.2	370071.4	383193.4	370071.4	339619.2	278306.0	220035.3	159210.7	105545.2	60465.1
2.5°	342023.8	403161.4	445724.8	461901.0	445724.8	403161.4	342023.8	264748.9	190903.1	125558.8	70255.9
0°	354778.2	418691.5	465536.4	499445.8	465536.4	418691.5	354778.2	269081.4	194124.6	127423.6	73992.6
-2.5°	327688.5	390137.7	424366.6	438707.7	424366.6	390137.7	327688.5	250470.7	182496.1	120627.6	69928.0
-5°	284871.4	340298.2	371944.0	378299.8	371944.0	340298.2	284871.4	221813.8	163223.3	106541.0	59775.1
-7.5°	217693.0	256061.4	281022.0	286060.5	281022.0	256061.4	217693.0	170510.3	125582.3	84516.5	47942.7
-10°	158315.7	185979.5	202008.9	203743.5	202008.9	185979.5	158315.7	123745.1	89554.4	58832.9	32486.1
-12.5°	105779.0	127455.2	138792.0	140430.7	138792.0	127455.2	105779.0	82688.6	57466.2	38435.8	23300.0
-15°	66286.1	80385.4	88711.8	90516.7	88711.8	80385.4	66286.1	49105.7	36316.8	24027.3	14321.9
-17.5°	40842.2	47974.0	52341.3	55228.5	52341.3	47974.0	40842.2	30697.0	22459.9	14209.4	8341.7
-20°	23881.1	28505.9	31101.2	32281.4	31101.2	28505.9	23881.1	17849.9	12727.8	7589.4	5446.1



REPORT NUMBER: P701609 (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°	11989.4	14271.0	15825.1	16060.7	15825.1	14271.0	11989.4	8852.3	6349.1	4946.9	4056.7
-25°	5814.7	6450.2	6886.2	6911.4	6886.2	6450.2	5814.7	4972.4	4127.3	3848.9	3595.1
-27.5°	3975.9	4108.1	4193.7	4243.2	4193.7	4108.1	3975.9	3804.0	3593.7	3551.5	3491.0
-30°	3562.4	3582.2	3594.3	3578.3	3594.3	3582.2	3562.4	3547.7	3533.8	3495.3	3464.2
-32.5°	3510.8	3520.1	3526.6	3515.9	3526.6	3520.1	3510.8	3501.9	3475.5	3441.9	3407.5
-35°	3506.9	3532.5	3552.5	3547.1	3552.5	3532.5	3506.9	3476.6	3443.1	3407.2	3343.7
-37.5°	3455.4	3477.9	3493.0	3493.1	3493.0	3477.9	3455.4	3425.9	3385.6	3339.5	3222.9
-40°	3378.9	3409.7	3428.9	3428.7	3428.9	3409.7	3378.9	3339.7	3269.8	3179.5	3001.2
-42.5°	3248.5	3291.7	3312.0	3310.2	3312.0	3291.7	3248.5	3184.8	3051.6	2871.8	2607.4
-45°	2968.4	3107.6	3182.2	3189.7	3182.2	3107.6	2968.4	2785.2	2541.2	2268.9	1978.8
-47.5°	2211.8	2426.1	2557.6	2587.1	2557.6	2426.1	2211.8	1976.6	1738.0	1500.1	1263.9
-50°	1279.0	1307.7	1319.8	1315.4	1319.8	1307.7	1279.0	1248.6	1218.0	1188.0	1158.2
-52.5°	1176.8	1188.4	1197.1	1203.1	1197.1	1188.4	1176.8	1164.8	1152.3	1137.8	1122.0
-55°	1123.1	1138.6	1148.5	1153.3	1148.5	1138.6	1123.1	1103.0	1078.4	1046.9	1012.3
-57.5°	978.4	993.8	1002.4	1005.7	1002.4	993.8	978.4	958.6	934.5	905.9	873.4
-60°	830.1	845.2	854.0	858.2	854.0	845.2	830.1	811.2	788.6	763.8	736.7
-62.5°	689.2	703.4	712.0	716.9	712.0	703.4	689.2	671.8	651.4	629.5	604.4
-65°	567.0	580.5	587.8	592.2	587.8	580.5	567.0	551.6	534.1	513.8	489.4
-67.5°	472.0	485.4	494.2	500.8	494.2	485.4	472.0	456.8	439.8	418.6	392.4
-70°	372.8	386.0	390.8	392.7	390.8	386.0	372.8	358.1	341.9	322.5	298.1
-72.5°	261.2	272.1	279.4	284.7	279.4	272.1	261.2	248.6	234.6	218.1	198.0
-75°	135.8	141.8	146.1	149.6	146.1	141.8	135.8	129.2	121.8	113.8	105.0
-77.5°	81.4	86.6	89.2	91.4	89.2	86.6	81.4	76.0	70.6	65.1	59.8
-80°	60.6	64.0	65.4	66.5	65.4	64.0	60.6	57.0	53.4	49.7	46.5
-82.5°	44.9	47.7	48.8	49.9	48.8	47.7	44.9	42.1	39.2	36.2	33.8
-85°	36.2	39.4	40.5	41.6	40.5	39.4	36.2	33.0	29.8	26.7	25.0
-87.5°	30.9	33.4	35.3	37.4	35.3	33.4	30.9	28.5	26.0	23.5	21.4
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	28.0	22.3	16.6	16.6	16.6	16.6	16.6	16.1	15.5	15.0	14.5
87.5°	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.7	5.2	5.7	6.2
85°	4.1	4.1	4.2	4.6	4.9	5.2	5.5	5.6	5.7	5.9	6.2
82.5°	3.4	3.8	4.2	4.7	5.2	5.7	6.2	6.2	6.2	6.2	6.3
80°	4.0	4.1	4.3	4.8	5.3	5.8	6.2	6.3	6.3	6.2	6.3
77.5°	4.2	4.2	4.4	5.1	5.7	6.2	6.5	6.8	7.2	7.4	7.4
75°	5.7	6.0	6.4	7.3	7.8	8.0	8.1	7.9	7.9	8.1	8.3
72.5°	10.1	10.5	11.5	13.0	13.9	14.6	14.7	13.9	12.3	10.0	8.3
70°	13.6	14.7	17.4	21.3	24.2	25.7	26.1	25.2	22.6	20.2	16.1
67.5°	14.1	16.0	19.8	24.6	28.8	32.6	36.8	40.4	40.5	37.6	27.6
65°	12.8	15.5	18.9	22.4	27.0	32.6	40.7	46.3	49.9	51.3	42.4
62.5°	9.9	12.1	14.2	17.2	21.1	27.0	36.6	45.2	53.2	55.6	46.8
60°	7.4	8.4	10.1	12.1	14.5	19.6	29.1	39.6	51.4	51.2	46.5
57.5°	5.9	6.9	8.3	9.4	10.3	14.1	21.0	30.4	41.7	42.7	41.2
55°	6.2	7.0	8.2	9.3	10.4	11.8	14.3	20.0	28.6	31.3	31.9
52.5°	6.2	7.3	8.5	9.7	10.6	11.2	11.9	14.8	17.4	21.2	23.3
50°	6.4	7.6	8.9	10.1	10.8	11.4	12.0	12.5	13.9	15.6	17.0
47.5°	8.3	9.0	9.5	10.5	11.2	11.6	12.2	13.0	13.6	13.9	14.7
45°	12.0	11.9	11.7	12.5	12.6	12.8	12.7	14.1	14.7	14.8	14.4
42.5°	27.3	20.2	15.5	18.1	17.5	16.6	15.6	16.9	17.0	16.6	17.7
40°	39.8	46.2	39.2	31.9	29.4	24.6	23.5	21.7	21.3	19.7	23.1
37.5°	48.6	48.3	60.7	65.3	54.0	44.3	37.4	31.6	27.5	29.1	31.5
35°	79.3	75.9	79.6	86.0	88.1	78.4	62.6	48.0	40.4	41.1	42.1
32.5°	133.8	122.4	116.2	115.8	122.3	119.8	100.7	76.8	62.5	57.9	55.0
30°	177.7	171.3	156.3	164.8	176.7	168.0	145.4	130.5	106.1	77.9	70.3
27.5°	244.7	231.6	213.0	237.9	250.4	235.3	218.8	201.6	161.4	118.4	93.8
25°	368.5	335.6	339.1	347.5	343.0	334.4	311.0	282.8	237.6	179.5	150.6
22.5°	550.4	528.1	509.5	482.9	506.6	488.5	424.6	369.5	359.9	341.6	260.1
20°	895.1	804.6	724.8	787.2	804.1	699.2	568.9	577.9	644.2	580.4	406.8
17.5°	1836.1	1392.2	1218.9	1321.8	1237.5	1027.9	1025.6	1004.7	984.5	880.4	581.8
15°	3519.8	2625.4	2172.7	1987.3	1874.4	1778.0	1731.3	1496.7	1378.8	1208.7	864.9
12.5°	8268.3	4432.0	3220.5	2842.2	2749.8	2584.8	2479.4	2140.8	1829.6	1630.8	1300.9
10°	14345.6	7725.7	4880.3	3904.4	3615.4	3402.8	3122.4	2710.0	2309.6	2083.6	1751.1
7.5°	23755.6	12652.7	6916.9	4890.2	4346.9	3987.3	3577.0	3174.2	2770.9	2524.5	2205.4
5°	31123.3	16348.3	8217.6	5672.8	4956.7	4553.4	4034.1	3575.2	3214.0	2952.8	2651.2
2.5°	34861.3	18222.2	9049.6	6412.8	5526.7	5082.4	4498.7	3932.3	3536.8	3225.8	2905.9
0°	38382.3	21170.4	10342.1	6988.2	5986.7	5519.1	4966.4	4270.2	3796.5	3457.8	3127.4
-2.5°	35674.9	19488.4	9433.8	6514.1	5737.9	5309.8	4944.8	4384.8	3890.2	3495.0	3093.2
-5°	30854.3	16244.4	8439.7	6038.3	5352.4	5013.1	4756.7	4337.7	3873.3	3481.5	3015.1
-7.5°	24957.6	12929.2	7293.9	5499.5	4933.3	4679.7	4464.6	4103.6	3657.4	3312.1	2823.2
-10°	17705.7	9476.0	6076.0	4922.9	4530.5	4350.3	4184.4	3833.5	3436.8	3133.9	2596.5
-12.5°	12730.3	6863.7	4894.6	4320.1	4154.2	4058.5	3926.2	3542.4	3217.7	2951.6	2339.6
-15°	7673.0	5308.1	4333.6	3957.8	3824.7	3775.2	3663.1	3302.1	3047.9	2771.6	2056.3
-17.5°	5546.1	4241.2	3837.5	3673.8	3588.3	3513.8	3380.5	3120.8	2863.1	2515.3	1747.4
-20°	4189.0	3816.5	3579.3	3428.4	3369.0	3305.1	3148.2	2922.3	2649.7	2142.6	1450.3



REPORT NUMBER: P701609 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3757.3	3635.2	3471.0	3275.9	3148.2	3065.2	2923.7	2710.3	2411.1	1749.3	1159.8
-25°	3582.4	3559.4	3442.0	3250.9	3006.0	2841.9	2719.5	2495.8	2025.1	1390.8	915.7
-27.5°	3495.4	3492.3	3435.0	3208.0	2931.7	2687.5	2514.0	2247.5	1637.4	1123.2	881.1
-30°	3437.1	3397.6	3304.6	3083.7	2788.7	2558.1	2330.9	1825.9	1318.1	920.8	866.4
-32.5°	3344.4	3270.5	3123.4	2844.9	2608.7	2422.0	1957.6	1438.8	1013.3	904.0	859.4
-35°	3268.2	3082.6	2833.4	2635.8	2483.1	2037.6	1547.7	1115.6	938.2	887.4	853.7
-37.5°	3038.2	2801.0	2624.8	2423.0	2017.2	1584.0	1164.0	982.9	919.6	880.2	821.4
-40°	2778.0	2580.9	2245.1	1889.7	1517.3	1134.8	1025.7	971.1	922.4	854.7	775.3
-42.5°	2320.9	2014.9	1691.2	1361.0	1099.5	1060.5	1020.4	973.0	904.0	811.1	721.1
-45°	1694.4	1411.6	1158.9	1119.5	1080.5	1047.9	1019.3	941.2	849.1	754.5	663.2
-47.5°	1192.0	1153.9	1120.5	1094.4	1063.2	1024.1	953.1	873.5	778.8	689.1	608.3
-50°	1134.5	1113.7	1092.1	1060.5	998.2	933.2	862.1	787.0	702.1	623.6	548.4
-52.5°	1100.6	1053.8	1004.7	953.5	894.1	827.9	760.4	696.1	625.2	552.7	483.4
-55°	974.9	931.2	883.1	832.2	779.5	723.4	665.4	605.3	542.3	476.6	417.2
-57.5°	837.4	798.8	758.6	716.2	672.0	619.8	564.8	509.5	457.8	403.1	350.9
-60°	707.2	675.1	637.1	596.9	554.7	508.9	463.6	418.6	373.9	336.1	296.2
-62.5°	574.9	540.7	509.8	477.9	442.5	403.7	368.5	338.8	308.9	276.1	235.8
-65°	461.3	428.9	399.5	373.7	346.8	319.1	293.8	266.6	236.9	205.4	170.9
-67.5°	364.4	334.7	310.2	287.8	263.5	236.9	212.3	187.0	164.6	141.9	116.2
-70°	272.9	246.9	223.8	202.1	180.5	160.5	143.0	124.9	105.0	88.4	74.0
-72.5°	177.8	157.8	140.1	125.2	110.7	99.3	87.8	75.7	63.8	52.2	44.0
-75°	95.4	85.2	75.3	67.6	59.4	50.7	46.7	44.7	42.5	40.0	37.1
-77.5°	54.7	49.8	45.8	44.5	43.1	41.6	39.9	37.7	35.4	33.2	31.2
-80°	43.2	39.9	36.8	35.6	34.3	33.1	31.8	30.1	28.5	27.1	25.9
-82.5°	31.4	29.0	26.8	26.3	25.7	25.2	24.6	23.7	22.9	22.2	21.5
-85°	23.2	21.4	19.6	19.4	19.1	18.8	18.5	18.2	17.8	17.5	17.1
-87.5°	19.2	17.0	14.7	14.7	14.8	14.8	14.9	14.8	14.7	14.6	14.5
-90°	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.7	5.2	5.7	6.2



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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°	14.0	13.5	13.0	12.5	12.5	12.5	12.5	12.5	12.0	11.5	10.9
87.5°	6.2	6.2	6.2	6.2	6.5	6.7	6.9	7.1	7.3	7.6	7.9
85°	6.4	6.5	6.5	6.5	6.9	7.3	7.7	8.0	7.9	8.0	8.1
82.5°	6.8	7.2	7.5	7.7	7.7	7.8	8.0	8.3	8.3	8.3	8.3
80°	6.8	7.3	7.9	8.3	8.3	8.3	8.2	8.3	8.3	8.3	8.3
77.5°	7.4	7.6	7.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	12.1	9.0	8.3	8.3	8.3	8.3	8.3	8.4	8.3	8.3	8.3
67.5°	18.8	14.2	10.8	8.7	8.3	8.3	8.3	8.6	8.6	8.3	8.3
65°	30.7	21.2	14.2	11.4	9.3	8.3	8.3	8.7	9.0	8.8	8.3
62.5°	38.3	29.4	20.6	14.8	11.2	9.3	8.3	8.8	9.3	9.2	8.7
60°	41.1	32.5	26.4	20.2	14.3	10.5	9.2	8.9	9.4	9.8	9.2
57.5°	37.0	33.4	29.5	24.6	18.6	12.8	10.1	9.6	9.5	10.0	9.8
55°	30.9	29.2	31.0	27.7	22.2	16.1	11.8	10.4	9.8	10.1	10.5
52.5°	23.2	26.1	29.8	29.7	25.2	19.3	14.5	11.3	10.5	10.2	10.6
50°	17.6	22.4	28.2	30.4	28.0	22.2	16.7	13.0	11.3	10.4	10.8
47.5°	16.2	20.6	25.3	31.0	30.2	25.0	19.0	14.5	12.1	11.1	11.1
45°	17.4	20.3	23.8	28.7	32.0	26.7	21.3	15.7	13.0	11.9	11.4
42.5°	19.8	22.0	24.3	26.7	30.2	27.8	23.2	17.3	13.7	12.7	11.9
40°	24.7	25.1	25.9	28.1	28.8	28.4	24.0	18.9	14.2	13.5	12.5
37.5°	31.0	30.1	29.3	31.7	29.5	28.1	24.3	20.3	15.7	14.4	13.2
35°	40.6	37.0	36.2	37.8	34.5	28.7	24.3	21.0	17.9	15.5	13.8
32.5°	52.1	49.0	47.8	45.3	41.4	30.1	24.8	22.8	20.2	16.7	14.4
30°	68.7	71.0	62.1	53.9	49.6	36.6	27.7	24.9	22.4	18.0	15.2
27.5°	102.1	99.2	80.2	66.8	57.8	45.4	33.7	27.4	24.7	19.6	16.2
25°	145.0	133.3	107.9	82.3	66.7	73.1	41.0	30.3	26.8	21.4	17.2
22.5°	202.0	172.9	139.6	99.3	107.4	110.1	56.3	36.0	29.0	23.3	18.3
20°	267.9	217.4	187.4	165.5	157.2	146.8	83.3	42.3	31.4	25.1	19.4
17.5°	351.8	310.1	300.6	250.9	212.9	186.9	115.4	49.1	33.9	26.8	20.5
15°	579.2	457.9	421.9	346.5	271.9	229.9	151.4	56.2	36.5	28.5	21.5
12.5°	865.3	606.4	549.6	449.8	333.6	275.0	190.1	63.6	39.1	30.1	22.3
10°	1181.3	755.0	681.8	558.3	397.0	321.5	230.1	72.3	43.4	31.7	23.0
7.5°	1514.0	902.8	816.2	669.2	459.8	366.2	271.8	83.8	48.2	33.3	23.6
5°	1822.4	1030.6	927.8	762.5	515.8	407.5	311.7	95.2	53.1	34.8	24.1
2.5°	1997.8	1127.1	1021.4	848.3	569.9	447.0	348.3	106.2	57.8	36.2	24.5
0°	2140.3	1219.8	1109.6	926.8	621.3	484.2	380.3	116.4	62.3	37.4	24.9
-2.5°	2103.0	1205.5	1093.2	919.6	637.2	495.4	385.0	135.2	77.1	47.1	29.8
-5°	2029.9	1187.0	1071.7	905.1	648.9	503.7	384.7	152.7	91.2	56.4	34.4
-7.5°	1889.2	1145.4	1038.7	883.8	656.1	508.6	380.3	168.7	104.4	65.0	38.7
-10°	1709.5	1089.2	991.7	847.6	646.1	506.9	372.7	183.0	116.4	72.8	42.5
-12.5°	1501.0	1031.7	945.8	808.8	630.7	499.7	363.0	195.3	127.0	79.5	45.7
-15°	1266.1	973.7	902.7	769.0	612.5	490.6	351.8	205.5	136.0	85.5	48.2
-17.5°	1012.5	916.0	864.0	729.6	591.9	479.9	339.9	213.4	143.6	91.0	50.8
-20°	940.5	878.0	827.4	691.8	569.1	467.9	328.0	219.0	149.5	95.1	53.0



REPORT NUMBER: P701609 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	905.5	857.3	786.3	660.8	547.7	454.8	316.9	222.1	153.8	97.6	54.2
-25°	873.0	838.1	747.1	632.0	529.9	435.4	312.6	222.6	156.3	98.7	54.1
-27.5°	849.7	813.2	708.1	600.9	510.2	419.1	311.7	224.5	157.0	98.0	52.8
-30°	831.6	769.2	670.8	570.0	488.1	397.0	307.6	224.2	155.9	96.3	50.0
-32.5°	816.7	727.0	632.0	543.6	462.1	373.6	294.1	221.5	152.5	93.0	48.2
-35°	778.0	685.8	592.3	514.8	434.4	352.2	276.5	216.4	146.8	87.8	46.2
-37.5°	736.6	643.2	558.8	483.9	406.0	328.6	260.1	201.1	138.7	80.6	43.2
-40°	687.5	600.9	524.1	452.1	377.4	302.8	241.5	183.4	128.5	71.3	39.2
-42.5°	636.1	559.4	486.8	419.2	347.0	279.8	220.6	164.0	112.4	63.9	34.3
-45°	586.9	514.3	446.1	380.6	315.0	254.5	197.0	142.9	94.5	57.1	30.5
-47.5°	533.7	466.0	401.8	339.5	284.0	226.5	171.3	121.6	75.8	48.9	29.4
-50°	476.9	414.4	354.5	300.5	249.3	195.7	144.3	99.2	64.1	38.6	27.9
-52.5°	419.2	360.5	309.4	261.6	212.3	162.7	117.9	76.6	51.8	33.6	26.2
-55°	359.5	310.5	266.2	220.1	173.6	131.1	90.3	62.2	39.0	30.9	24.4
-57.5°	307.2	263.3	219.8	176.4	136.6	99.0	69.3	47.2	33.8	28.1	23.7
-60°	255.0	211.9	171.0	135.2	100.5	72.5	51.9	35.7	30.8	25.7	22.8
-62.5°	196.3	159.1	126.6	95.0	71.6	52.8	36.7	32.5	27.7	24.4	21.7
-65°	141.6	111.9	83.4	66.6	49.6	37.0	33.3	29.2	25.8	23.0	20.7
-67.5°	90.3	73.8	57.5	42.3	36.4	33.2	29.8	26.8	24.0	21.6	19.7
-70°	59.6	45.3	38.4	35.2	32.3	29.5	27.1	24.5	22.2	20.6	18.6
-72.5°	40.3	36.9	33.6	30.8	29.0	27.0	24.6	22.5	21.2	19.5	17.6
-75°	34.1	31.9	30.0	28.4	26.6	24.5	22.9	21.6	20.2	18.5	16.5
-77.5°	29.5	28.2	27.1	25.9	24.1	22.7	21.7	20.8	19.1	17.3	15.4
-80°	25.1	24.3	23.4	22.5	21.5	20.8	20.1	19.3	17.6	15.9	14.2
-82.5°	20.9	20.4	20.0	19.6	19.2	18.7	18.2	17.6	16.1	14.6	13.2
-85°	17.1	17.1	17.1	17.2	16.9	16.6	16.3	15.9	14.7	13.5	12.5
-87.5°	14.7	14.8	14.9	14.9	14.7	14.5	14.4	14.2	13.3	12.5	11.7
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.7	7.3	7.8



REPORT NUMBER: P701609 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.4	9.9	9.4	8.8	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.4	8.5	8.3	8.3	8.3	8.3	8.3
72.5°	8.4	8.6	8.5	8.3	8.3	8.3	8.3
70°	8.5	8.8	8.7	8.3	8.3	8.3	8.3
67.5°	8.5	8.9	8.9	8.5	8.3	8.3	8.3
65°	8.6	9.1	9.1	8.8	8.3	8.3	8.3
62.5°	8.6	9.1	9.4	9.0	8.3	8.3	8.3
60°	8.7	9.2	9.6	9.2	8.3	8.3	8.3
57.5°	9.2	9.2	9.7	9.4	8.5	8.3	8.3
55°	9.7	9.3	9.7	9.6	8.6	8.3	8.3
52.5°	10.2	9.4	9.8	9.9	8.8	8.3	8.3
50°	10.8	9.8	9.8	10.1	8.9	8.3	8.3
47.5°	11.2	10.3	9.9	10.3	9.0	8.3	8.3
45°	11.5	10.7	10.0	10.3	9.2	8.3	8.3
42.5°	11.8	11.1	10.0	10.4	9.3	8.3	8.3
40°	12.1	11.5	10.2	10.4	9.4	8.3	8.3
37.5°	12.5	11.8	10.5	10.5	9.5	8.3	8.3
35°	12.8	12.2	10.8	10.5	9.6	8.3	8.3
32.5°	13.3	12.5	11.1	10.6	9.7	8.3	8.3
30°	13.8	12.8	11.4	10.7	9.8	8.3	8.3
27.5°	14.3	13.1	11.6	10.8	9.9	8.3	8.3
25°	14.8	13.4	11.8	10.9	10.0	8.3	8.3
22.5°	15.3	13.7	12.0	11.1	10.1	8.3	8.3
20°	15.7	13.9	12.1	11.2	10.1	8.3	8.3
17.5°	16.1	14.0	12.3	11.4	10.2	8.3	8.3
15°	16.5	14.2	12.3	11.5	10.3	8.3	8.3
12.5°	16.9	14.3	12.4	11.7	10.3	8.3	8.3
10°	17.3	14.3	12.5	11.9	10.3	8.3	8.3
7.5°	17.7	14.4	12.5	12.0	10.4	8.3	8.3
5°	18.1	14.5	12.5	12.2	10.4	8.3	8.3
2.5°	18.4	14.5	12.5	12.4	10.4	8.3	8.3
0°	18.7	14.5	12.5	12.5	10.4	8.3	8.3
-2.5°	20.3	15.0	12.9	12.6	10.5	8.3	8.3
-5°	21.9	15.4	13.2	12.7	10.6	8.4	8.3
-7.5°	23.3	15.8	13.6	12.8	10.6	8.4	8.3
-10°	24.6	16.2	13.9	12.9	10.7	8.5	8.3
-12.5°	25.6	16.6	14.2	13.0	10.8	8.5	8.3
-15°	26.4	16.9	14.5	13.1	10.8	8.6	8.3
-17.5°	26.9	17.2	14.8	13.1	10.8	8.6	8.3
-20°	27.4	17.5	15.0	13.2	10.9	8.6	8.3



REPORT NUMBER: P701609 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28.0	17.8	15.2	13.2	10.9	8.7	8.3
-25°	28.1	18.1	15.3	13.2	10.9	8.7	8.3
-27.5°	27.7	18.5	15.4	13.2	10.9	8.7	8.3
-30°	26.6	18.7	15.5	13.2	10.9	8.8	8.3
-32.5°	24.9	18.8	15.6	13.2	10.9	8.8	8.3
-35°	24.4	18.8	15.6	13.1	10.8	8.8	8.3
-37.5°	24.3	18.7	15.6	13.1	10.8	8.8	8.3
-40°	24.0	18.7	15.6	13.0	10.8	8.8	8.3
-42.5°	23.6	18.6	15.5	13.0	10.7	8.8	8.3
-45°	22.8	18.5	15.4	12.9	10.7	8.8	8.3
-47.5°	21.9	18.3	15.2	12.8	10.6	8.8	8.3
-50°	21.5	18.0	15.1	12.6	10.5	8.8	8.3
-52.5°	21.1	17.7	14.8	12.5	10.4	8.8	8.3
-55°	20.6	17.4	14.6	12.3	10.3	8.8	8.3
-57.5°	20.1	17.0	14.3	12.1	10.2	8.8	8.3
-60°	19.5	16.5	14.0	11.9	10.1	8.8	8.3
-62.5°	18.8	16.0	13.6	11.7	10.0	8.7	8.3
-65°	18.0	15.4	13.2	11.4	9.9	8.7	8.3
-67.5°	17.2	14.9	12.8	11.2	9.8	8.7	8.3
-70°	16.4	14.2	12.4	10.9	9.6	8.6	8.3
-72.5°	15.5	13.6	11.9	10.6	9.5	8.6	8.3
-75°	14.5	12.9	11.5	10.4	9.3	8.6	8.3
-77.5°	13.6	12.2	11.1	10.1	9.2	8.5	8.3
-80°	12.6	11.6	10.8	9.9	9.0	8.5	8.3
-82.5°	12.0	11.2	10.4	9.6	8.8	8.4	8.3
-85°	11.5	10.8	10.1	9.4	8.7	8.4	8.3
-87.5°	10.9	10.3	9.7	9.1	8.5	8.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

