

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: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731600 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-70-2S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

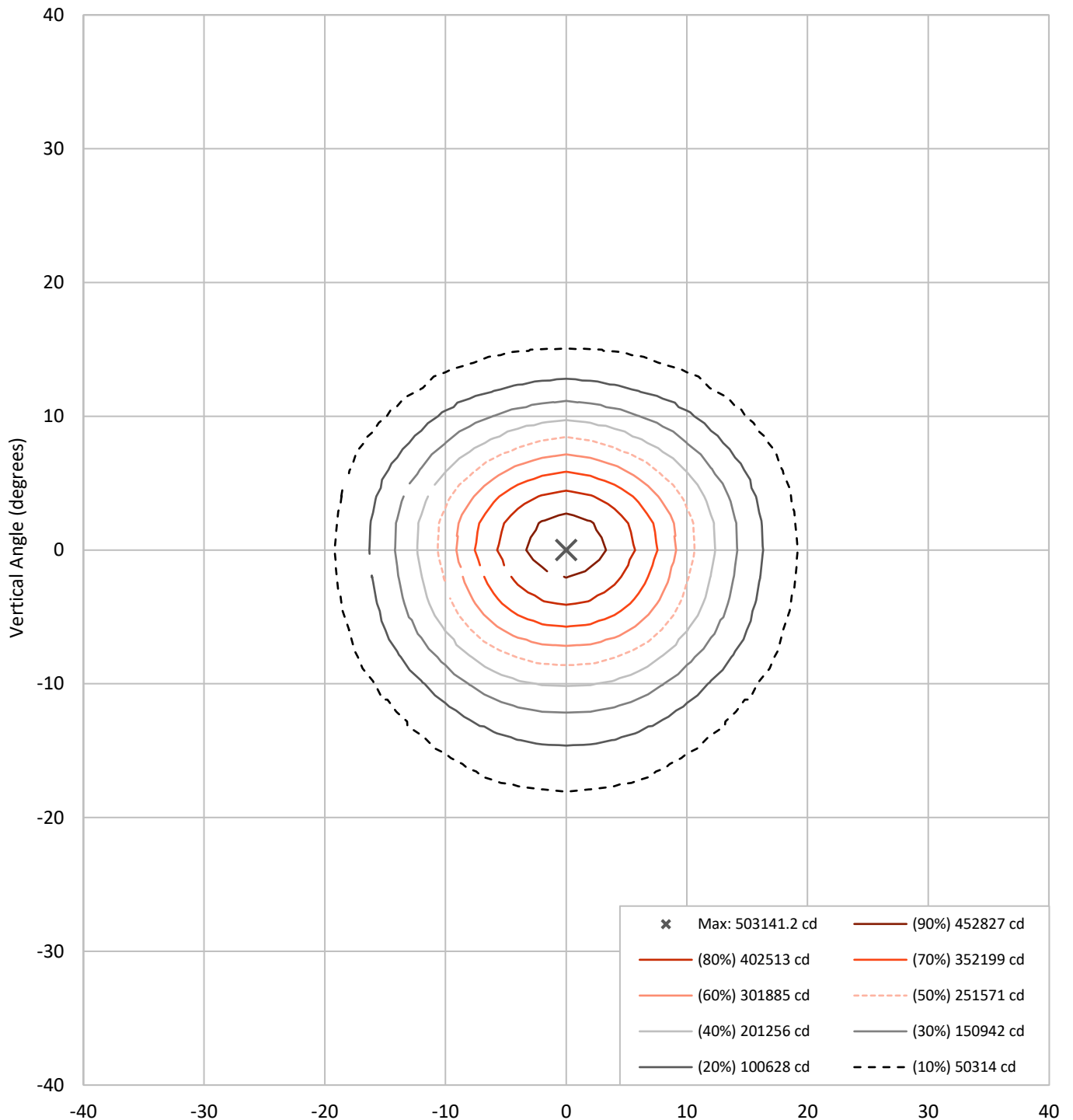
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	67863.4 lumens	Max Intensity:	503141.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.5 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:	29698.6 lumens	Field Lumens:	57483.9 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 703.3
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





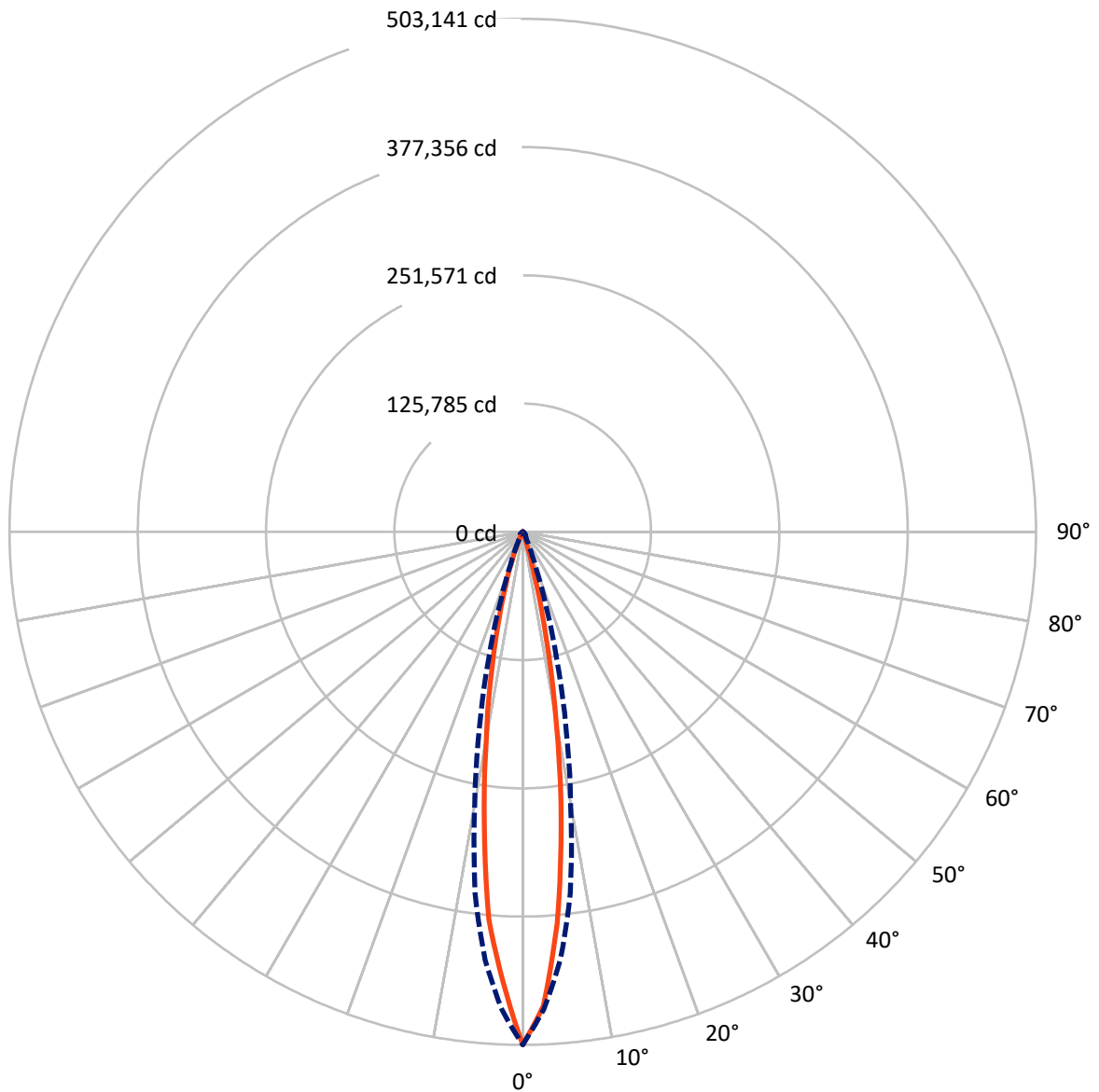
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Lumen Table

90	0.2	0.5	0.8	0.8	1.1	0.8	0.8	0.5	0.2								
80	0.2	0.5	0.8	0.8	1.1	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	1.0	1.8	2.5	2.9	3.3	3.3	2.9	2.5	1.8	1.0	0.7	0.3		
30	0.3	0.5	1.8	4.3	8.5	10.9	19.3	40.8	40.8	19.3	10.9	8.5	4.3	1.8	0.5	0.3	
20		1.3	6.2	20.9	43.6	79.1	546.0	1681.7	1681.7	546.0	79.1	43.6	20.9	6.2	1.3		
10	0.5	2.4	13.0	50.7	101.7	322.9	3152.1	9370.1	9370.1	3152.1	322.9	101.7	50.7	13.0	2.4	0.5	
0		3.1	15.4	59.3	116.0	336.9	3217.4	9420.5	9420.5	3217.4	336.9	116.0	59.3	15.4	3.1		
-10	0.7	3.3	13.4	44.3	89.6	145.4	888.5	2639.2	2639.2	888.5	145.4	89.6	44.3	13.4	3.3	0.7	
-20		3.2	11.3	26.2	66.7	94.7	143.2	300.4	300.4	143.2	94.7	66.7	26.2	11.3	3.2		
-30	0.6	2.9	9.2	18.2	40.8	78.1	99.5	106.9	106.9	99.5	78.1	40.8	18.2	9.2	2.9	0.6	
-40		2.0	6.8	14.6	24.7	40.0	64.9	84.4	84.4	64.9	40.0	24.7	14.6	6.8	2.0		
-50	0.4	1.0	3.9	9.2	16.7	24.3	30.1	33.4	33.4	30.1	24.3	16.7	9.2	3.9	1.0	0.4	
-60		0.4	1.4	3.9	7.4	11.5	15.5	18.1	18.1	15.5	11.5	7.4	3.9	1.4	0.4		
-70	0.3	1.3	3.4	8.5	13.3	8.5	3.4	1.3	0.3							0.3	
-80		0.3	1.3	3.4	8.5	13.3	8.5	3.4	1.3	0.3							
-90	0.3	1.3	3.4	8.5	13.3	8.5	3.4	1.3	0.3								

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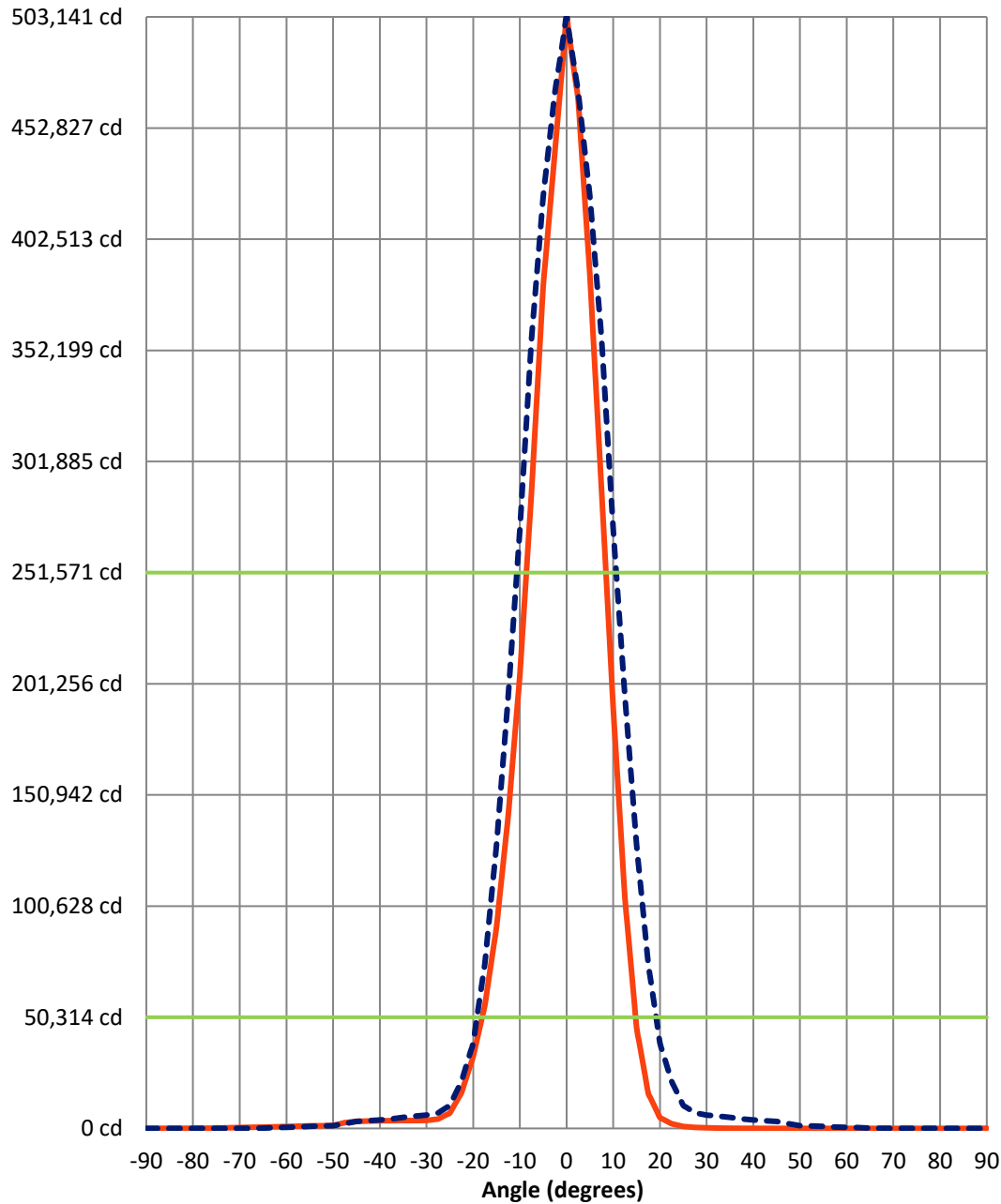
Luminous Intensity Polar Plot



— 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: 29698.6
Efficiency: 43.8%

Field:
H Angle: 38.4°
V Angle: 32.9°
Lumens: 57483.9
Efficiency: 84.7%

Spill:
Lumens: 10379.5
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°	8.4	8.4	8.4	8.9	9.5	10.0	10.5	11.0	11.6	12.1	12.6
87.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.0	7.7	7.4	7.2
85°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.2	8.1	8.0	8.1
82.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
80°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
77.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
75°	8.4	8.4	8.4	8.4	8.4	8.6	8.5	8.4	8.4	8.4	8.4
72.5°	8.4	8.4	8.4	8.4	8.6	8.7	8.5	8.4	8.4	8.4	8.4
70°	8.4	8.4	8.4	8.4	8.8	8.9	8.6	8.4	8.4	8.4	8.5
67.5°	8.4	8.4	8.4	8.6	9.0	9.0	8.6	8.4	8.4	8.7	8.7
65°	8.4	8.4	8.4	8.9	9.2	9.2	8.7	8.4	8.9	9.1	8.8
62.5°	8.4	8.4	8.4	9.1	9.5	9.2	8.7	8.8	9.3	9.4	8.9
60°	8.4	8.4	8.4	9.3	9.7	9.3	8.8	9.3	9.9	9.5	9.0
57.5°	8.4	8.4	8.6	9.5	9.8	9.3	9.3	9.9	10.1	9.6	9.7
55°	8.4	8.4	8.7	9.7	9.8	9.4	9.8	10.6	10.2	9.9	10.5
52.5°	8.4	8.4	8.9	10.0	9.9	9.5	10.3	10.7	10.3	10.6	11.4
50°	8.4	8.4	9.0	10.2	9.9	9.9	10.9	10.9	10.5	11.4	13.1
47.5°	8.4	8.4	9.1	10.4	10.0	10.4	11.3	11.2	11.2	12.2	14.7
45°	8.4	8.4	9.3	10.4	10.1	10.8	11.6	11.5	12.0	13.1	15.8
42.5°	8.4	8.4	9.4	10.5	10.1	11.2	11.9	12.0	12.8	13.9	17.5
40°	8.4	8.4	9.5	10.5	10.3	11.6	12.2	12.7	13.6	14.4	19.0
37.5°	8.4	8.4	9.6	10.6	10.6	11.9	12.6	13.3	14.6	15.8	20.4
35°	8.4	8.4	9.7	10.6	10.9	12.3	13.0	13.9	15.7	18.1	21.1
32.5°	8.4	8.4	9.8	10.7	11.2	12.6	13.4	14.6	16.9	20.3	22.9
30°	8.4	8.4	9.9	10.8	11.5	12.9	14.0	15.3	18.1	22.6	25.0
27.5°	8.4	8.4	10.0	10.9	11.7	13.2	14.5	16.3	19.7	24.8	27.5
25°	8.4	8.4	10.1	11.0	11.9	13.6	14.9	17.3	21.6	27.0	30.4
22.5°	8.4	8.4	10.2	11.2	12.1	13.9	15.4	18.4	23.4	29.2	36.2
20°	8.4	8.4	10.2	11.3	12.2	14.1	15.9	19.5	25.2	31.6	42.6
17.5°	8.4	8.4	10.3	11.5	12.4	14.2	16.3	20.6	27.0	34.1	49.5
15°	8.4	8.4	10.4	11.6	12.4	14.3	16.6	21.6	28.6	36.7	56.7
12.5°	8.4	8.4	10.4	11.8	12.5	14.4	17.0	22.4	30.3	39.3	64.1
10°	8.4	8.4	10.4	12.0	12.6	14.5	17.4	23.1	31.9	43.7	72.8
7.5°	8.4	8.4	10.5	12.1	12.6	14.6	17.8	23.7	33.5	48.6	84.4
5°	8.4	8.4	10.5	12.3	12.6	14.7	18.2	24.3	35.1	53.5	95.9
2.5°	8.4	8.4	10.5	12.5	12.6	14.7	18.5	24.7	36.5	58.3	107.0
0°	8.4	8.4	10.5	12.6	12.6	14.7	18.8	25.1	37.7	62.8	117.2
-2.5°	8.4	8.4	10.6	12.7	13.0	15.1	20.5	30.0	47.5	77.7	136.2
-5°	8.4	8.5	10.7	12.9	13.3	15.6	22.0	34.6	56.8	91.9	153.8
-7.5°	8.4	8.5	10.7	13.0	13.7	16.0	23.5	39.0	65.5	105.2	169.9
-10°	8.4	8.6	10.8	13.1	14.0	16.3	24.7	42.8	73.3	117.3	184.4
-12.5°	8.4	8.6	10.9	13.1	14.3	16.7	25.7	46.0	80.1	127.9	196.8
-15°	8.4	8.7	10.9	13.2	14.6	17.0	26.5	48.5	86.2	137.0	207.0
-17.5°	8.4	8.7	10.9	13.3	14.9	17.3	27.0	51.1	91.7	144.6	215.0
-20°	8.4	8.7	11.0	13.3	15.1	17.6	27.5	53.4	95.7	150.6	220.6



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.4	8.8	11.0	13.3	15.3	17.9	28.2	54.6	98.4	154.9	223.7
-25°	8.4	8.8	11.0	13.3	15.5	18.3	28.3	54.5	99.4	157.4	224.3
-27.5°	8.4	8.8	11.0	13.3	15.6	18.6	27.9	53.1	98.7	158.2	226.2
-30°	8.4	8.9	11.0	13.3	15.6	18.8	26.8	50.4	97.0	157.1	225.9
-32.5°	8.4	8.9	11.0	13.3	15.7	19.0	25.1	48.6	93.7	153.6	223.1
-35°	8.4	8.9	10.9	13.3	15.8	18.9	24.5	46.5	88.5	147.8	217.9
-37.5°	8.4	8.9	10.9	13.2	15.8	18.8	24.5	43.5	81.2	139.6	202.5
-40°	8.4	8.9	10.9	13.2	15.7	18.8	24.2	39.5	71.8	129.5	184.7
-42.5°	8.4	8.9	10.8	13.1	15.7	18.7	23.7	34.5	64.4	113.2	165.1
-45°	8.4	8.9	10.8	13.0	15.6	18.6	23.0	30.8	57.5	95.3	143.9
-47.5°	8.4	8.9	10.7	12.9	15.4	18.4	22.1	29.6	49.3	76.4	122.6
-50°	8.4	8.9	10.6	12.7	15.2	18.2	21.7	28.2	38.9	64.6	99.9
-52.5°	8.4	8.9	10.5	12.6	15.0	17.9	21.3	26.4	33.9	52.2	77.1
-55°	8.4	8.9	10.4	12.4	14.7	17.5	20.8	24.6	31.1	39.4	62.7
-57.5°	8.4	8.9	10.3	12.2	14.4	17.1	20.2	23.8	28.3	34.1	47.6
-60°	8.4	8.9	10.2	12.0	14.1	16.6	19.6	22.9	25.9	31.0	36.0
-62.5°	8.4	8.8	10.1	11.8	13.7	16.1	18.9	21.9	24.6	27.9	32.7
-65°	8.4	8.8	10.0	11.5	13.3	15.5	18.2	20.8	23.2	26.0	29.4
-67.5°	8.4	8.8	9.9	11.3	12.9	15.0	17.3	19.8	21.7	24.2	26.9
-70°	8.4	8.7	9.7	11.0	12.5	14.3	16.5	18.7	20.7	22.3	24.7
-72.5°	8.4	8.7	9.6	10.7	12.0	13.7	15.6	17.7	19.6	21.3	22.6
-75°	8.4	8.7	9.4	10.5	11.6	13.0	14.6	16.6	18.6	20.3	21.7
-77.5°	8.4	8.6	9.3	10.2	11.2	12.3	13.7	15.5	17.4	19.2	20.9
-80°	8.4	8.6	9.1	10.0	10.9	11.7	12.7	14.3	16.0	17.7	19.4
-82.5°	8.4	8.5	8.9	9.7	10.5	11.3	12.1	13.3	14.7	16.2	17.7
-85°	8.4	8.5	8.8	9.5	10.2	10.9	11.6	12.6	13.6	14.8	16.0
-87.5°	8.4	8.4	8.6	9.2	9.8	10.4	11.0	11.8	12.6	13.4	14.3
-90°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.9	7.4	6.8	6.3



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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°	12.6	12.6	12.6	12.6	13.1	13.7	14.2	14.7	15.2	15.7	16.2
87.5°	7.0	6.8	6.6	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7
85°	7.8	7.4	7.0	6.6	6.6	6.6	6.5	6.3	6.0	5.8	5.7
82.5°	8.1	7.9	7.8	7.8	7.6	7.3	6.9	6.4	6.3	6.3	6.3
80°	8.3	8.4	8.4	8.4	8.0	7.4	6.9	6.4	6.3	6.4	6.4
77.5°	8.4	8.4	8.4	8.4	8.0	7.7	7.5	7.5	7.5	7.3	6.9
75°	8.4	8.4	8.4	8.4	8.3	8.3	8.4	8.4	8.2	8.0	8.0
72.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	10.1	12.4	14.0
70°	8.4	8.4	8.4	8.4	8.4	9.1	12.2	16.2	20.3	22.7	25.3
67.5°	8.4	8.4	8.4	8.8	11.0	14.4	19.0	27.8	37.8	40.7	40.7
65°	8.4	8.4	9.4	11.6	14.4	21.4	31.0	42.7	51.7	50.2	46.6
62.5°	8.4	9.4	11.4	15.0	20.8	29.6	38.6	47.1	55.9	53.6	45.5
60°	9.3	10.6	14.5	20.4	26.6	32.8	41.4	46.9	51.6	51.8	39.9
57.5°	10.2	12.9	18.7	24.8	29.7	33.7	37.3	41.5	43.0	42.0	30.6
55°	11.9	16.2	22.4	27.9	31.2	29.5	31.2	32.1	31.5	28.8	20.1
52.5°	14.6	19.4	25.4	30.0	30.0	26.3	23.4	23.5	21.4	17.5	14.9
50°	16.9	22.4	28.2	30.7	28.5	22.6	17.7	17.1	15.7	14.1	12.6
47.5°	19.2	25.2	30.4	31.2	25.5	20.7	16.4	14.9	14.0	13.7	13.1
45°	21.4	26.9	32.3	28.9	24.0	20.5	17.6	14.6	15.0	14.8	14.2
42.5°	23.4	28.0	30.4	26.9	24.5	22.2	20.0	17.9	16.7	17.1	17.0
40°	24.1	28.6	29.0	28.3	26.1	25.3	24.9	23.3	19.8	21.4	21.9
37.5°	24.4	28.3	29.7	32.0	29.5	30.3	31.2	31.7	29.2	27.7	31.8
35°	24.4	28.8	34.8	38.0	36.4	37.2	40.9	42.4	41.4	40.7	48.4
32.5°	24.9	30.3	41.7	45.6	48.1	49.3	52.4	55.4	58.3	63.1	77.4
30°	27.8	36.8	49.9	54.3	62.5	71.5	69.2	70.8	78.5	106.9	131.5
27.5°	33.9	45.7	58.2	67.3	80.8	99.9	102.9	94.6	119.3	162.6	203.1
25°	41.3	73.6	67.3	83.0	108.6	134.2	146.1	151.7	180.9	239.4	284.8
22.5°	56.7	110.9	108.3	100.1	140.6	174.1	203.5	262.0	344.1	362.6	372.3
20°	84.0	147.8	158.4	166.7	188.7	219.0	269.9	409.8	584.6	649.0	582.1
17.5°	116.3	188.3	214.4	252.7	302.8	312.4	354.4	586.1	886.9	991.8	1012.1
15°	152.5	231.6	273.9	349.0	425.0	461.3	583.5	871.3	1217.6	1389.1	1507.8
12.5°	191.5	277.0	336.1	453.1	553.7	610.9	871.7	1310.5	1642.9	1843.2	2156.6
10°	231.8	323.8	399.9	562.4	686.8	760.6	1190.0	1764.1	2099.1	2326.8	2730.1
7.5°	273.7	368.8	463.1	674.2	822.3	909.4	1525.2	2221.8	2543.3	2791.4	3197.7
5°	314.0	410.5	519.5	768.1	934.7	1038.2	1835.8	2670.8	2974.7	3237.9	3601.7
2.5°	350.9	450.3	574.1	854.5	1028.9	1135.5	2012.6	2927.4	3249.6	3563.0	3961.4
0°	383.1	487.8	625.9	933.6	1117.8	1228.8	2156.2	3150.5	3483.3	3824.6	4301.8
-2.5°	387.9	499.1	641.9	926.3	1101.3	1214.4	2118.6	3116.1	3520.8	3919.0	4417.2
-5°	387.5	507.4	653.7	911.8	1079.7	1195.8	2044.9	3037.5	3507.3	3902.0	4369.8
-7.5°	383.1	512.4	660.9	890.4	1046.4	1153.9	1903.1	2844.1	3336.6	3684.5	4134.0
-10°	375.5	510.6	650.9	853.8	999.1	1097.3	1722.1	2615.7	3157.1	3462.2	3862.0
-12.5°	365.7	503.3	635.4	814.8	952.8	1039.4	1512.1	2356.9	2973.4	3241.5	3568.6
-15°	354.4	494.2	617.0	774.7	909.4	981.0	1275.5	2071.5	2792.1	3070.4	3326.6
-17.5°	342.4	483.4	596.2	735.0	870.4	922.8	1020.0	1760.3	2533.9	2884.3	3143.8
-20°	330.5	471.4	573.3	696.9	833.5	884.5	947.5	1461.0	2158.5	2669.3	2943.9



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	319.3	458.2	551.7	665.7	792.1	863.6	912.2	1168.4	1762.2	2429.0	2730.4
-25°	314.9	438.6	533.8	636.7	752.6	844.3	879.5	922.5	1401.1	2040.1	2514.2
-27.5°	314.0	422.2	513.9	605.3	713.4	819.2	856.0	887.7	1131.5	1649.5	2264.1
-30°	309.8	400.0	491.7	574.3	675.7	774.9	837.8	872.8	927.7	1327.8	1839.4
-32.5°	296.2	376.4	465.6	547.7	636.7	732.4	822.8	865.7	910.7	1020.8	1449.4
-35°	278.6	354.8	437.7	518.7	596.7	690.9	783.8	860.1	893.9	945.1	1123.8
-37.5°	262.0	331.0	409.0	487.5	563.0	648.0	742.0	827.5	886.7	926.4	990.2
-40°	243.2	305.0	380.2	455.5	528.0	605.4	692.6	781.0	861.0	929.2	978.3
-42.5°	222.2	281.9	349.5	422.3	490.4	563.5	640.8	726.4	817.1	910.6	980.2
-45°	198.4	256.3	317.3	383.4	449.5	518.2	591.2	668.1	760.1	855.3	948.2
-47.5°	172.5	228.2	286.1	342.0	404.7	469.5	537.7	612.8	694.2	784.5	879.8
-50°	145.4	197.2	251.2	302.7	357.1	417.5	480.5	552.4	628.2	707.3	792.9
-52.5°	118.8	164.0	213.9	263.5	311.7	363.2	422.3	487.0	556.8	629.8	701.3
-55°	91.0	132.1	174.9	221.7	268.2	312.8	362.1	420.3	480.1	546.3	609.8
-57.5°	69.8	99.7	137.6	177.7	221.5	265.3	309.5	353.4	406.0	461.1	513.3
-60°	52.3	73.0	101.2	136.2	172.3	213.4	256.9	298.4	338.6	376.7	421.6
-62.5°	37.0	53.2	72.1	95.7	127.5	160.3	197.7	237.5	278.2	311.2	341.3
-65°	33.6	37.2	50.0	67.0	84.0	112.7	142.6	172.2	206.9	238.7	268.5
-67.5°	30.0	33.4	36.7	42.6	57.9	74.4	91.0	117.1	142.9	165.8	188.4
-70°	27.3	29.7	32.5	35.5	38.6	45.6	60.1	74.6	89.0	105.8	125.8
-72.5°	24.7	27.1	29.2	31.0	33.8	37.1	40.7	44.3	52.7	64.3	76.2
-75°	23.0	24.6	26.7	28.6	30.2	32.1	34.4	37.4	40.3	42.8	45.0
-77.5°	21.8	22.8	24.2	26.0	27.3	28.4	29.8	31.4	33.5	35.7	38.0
-80°	20.2	20.9	21.6	22.7	23.6	24.4	25.3	26.1	27.2	28.7	30.3
-82.5°	18.3	18.8	19.3	19.7	20.1	20.5	21.0	21.6	22.3	23.1	23.9
-85°	16.4	16.7	17.0	17.3	17.2	17.2	17.2	17.3	17.6	18.0	18.3
-87.5°	14.5	14.6	14.8	15.0	15.0	15.0	14.9	14.7	14.8	14.9	15.0
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7



REPORT NUMBER: P731600 (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°	16.7	16.7	16.7	16.7	16.7	22.5	28.2	34.0	39.8	49.7	59.6
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	5.3	5.0	4.6	4.2	4.1	4.1	4.1	4.1	3.6	3.1
82.5°	6.3	5.8	5.3	4.8	4.2	3.8	3.4	2.9	2.3	2.2	2.1
80°	6.3	5.9	5.3	4.8	4.3	4.1	4.0	3.9	3.9	4.0	4.1
77.5°	6.6	6.3	5.8	5.1	4.4	4.2	4.2	4.2	4.2	3.8	3.3
75°	8.2	8.1	7.9	7.3	6.4	6.0	5.7	5.1	4.4	4.1	4.1
72.5°	14.8	14.7	14.0	13.2	11.6	10.6	10.2	9.8	9.2	9.1	9.0
70°	26.3	25.9	24.4	21.5	17.5	14.8	13.7	12.4	11.0	10.4	10.4
67.5°	37.0	32.9	29.0	24.8	19.9	16.1	14.2	12.2	10.0	8.9	8.7
65°	41.0	32.9	27.2	22.6	19.0	15.6	12.9	10.4	8.1	7.0	7.3
62.5°	36.9	27.2	21.2	17.3	14.3	12.2	10.0	8.3	7.0	6.4	6.4
60°	29.3	19.8	14.6	12.2	10.2	8.5	7.5	6.5	5.6	4.9	5.2
57.5°	21.2	14.2	10.4	9.5	8.4	7.0	6.0	5.7	5.5	5.6	6.0
55°	14.4	11.9	10.5	9.4	8.3	7.1	6.3	6.3	6.3	6.3	6.3
52.5°	12.0	11.3	10.7	9.8	8.6	7.4	6.3	6.3	6.3	6.3	6.3
50°	12.1	11.5	10.9	10.2	9.0	7.7	6.5	6.6	7.0	7.5	7.5
47.5°	12.3	11.7	11.4	10.6	9.6	9.1	8.4	8.6	9.3	9.6	9.5
45°	12.9	12.9	12.8	12.7	11.8	12.0	12.1	12.2	14.9	14.8	13.0
42.5°	15.8	16.7	17.6	18.2	15.6	20.3	27.5	30.9	27.1	21.9	18.5
40°	23.7	24.8	29.7	32.1	39.5	46.5	40.1	32.5	29.1	31.6	33.5
37.5°	37.6	44.7	54.4	65.7	61.1	48.6	48.9	48.8	47.6	51.7	51.6
35°	63.1	79.0	88.7	86.6	80.1	76.5	79.9	83.5	75.4	82.6	84.5
32.5°	101.4	120.6	123.2	116.6	117.0	123.3	134.8	133.2	135.7	144.0	153.5
30°	146.4	169.2	178.0	166.0	157.3	172.5	179.0	184.7	203.3	227.6	249.3
27.5°	220.4	237.1	252.2	239.6	214.5	233.3	246.6	242.6	293.8	321.1	382.2
25°	313.3	336.9	345.5	350.1	341.7	338.2	371.3	388.1	458.8	533.7	660.8
22.5°	427.8	492.1	510.3	486.5	513.3	532.1	554.4	630.1	771.4	1001.0	1329.1
20°	573.1	704.5	810.1	793.1	730.1	810.6	901.7	1140.0	1552.7	2480.6	3240.0
17.5°	1033.2	1035.6	1246.7	1331.6	1227.9	1402.5	1849.7	2625.2	4330.9	7461.0	9490.3
15°	1744.2	1791.1	1888.3	2002.0	2188.8	2644.8	3545.8	6795.4	11689.0	18459.9	25407.6
12.5°	2497.8	2603.9	2770.2	2863.3	3244.3	4464.8	8329.5	15445.0	25774.5	38809.2	60431.4
10°	3145.4	3427.9	3642.2	3933.3	4916.4	7782.9	14451.7	26746.7	47568.6	75690.3	108926.8
7.5°	3603.4	4016.8	4379.1	4926.4	6968.1	12746.3	23931.3	44385.3	75835.7	115549.1	161365.4
5°	4064.0	4587.1	4993.3	5714.7	8278.4	16469.3	31353.6	60912.5	106326.1	160388.7	221663.4
2.5°	4531.9	5120.0	5567.6	6460.2	9116.6	18357.0	35119.3	70775.8	126487.8	192315.6	266707.7
0°	5003.1	5559.9	6030.9	7039.9	10418.6	21327.1	38666.3	74540.1	128366.4	195560.9	271072.3
-2.5°	4981.3	5349.0	5780.4	6562.3	9503.5	19632.6	35938.9	70445.4	121520.1	183846.4	252323.9
-5°	4791.9	5050.2	5392.0	6083.0	8502.1	16364.6	31082.6	60217.3	107329.3	164431.1	223455.0
-7.5°	4497.7	4714.3	4969.8	5540.2	7347.8	13024.9	25142.3	48297.4	85141.8	126511.5	171771.9
-10°	4215.4	4382.5	4564.1	4959.4	6120.9	9546.1	17836.6	32726.4	59268.1	90217.0	124660.6
-12.5°	3955.3	4088.5	4185.0	4352.1	4930.8	6914.5	12824.5	23472.4	38720.1	57891.4	83300.4
-15°	3690.2	3803.2	3853.0	3987.1	4365.6	5347.4	7729.8	14427.8	24205.1	36585.5	49469.0
-17.5°	3405.5	3539.8	3614.8	3701.0	3865.9	4272.6	5587.1	8403.4	14314.5	22626.1	30924.1
-20°	3171.4	3329.6	3393.9	3453.8	3605.8	3844.7	4219.9	5486.4	7645.5	12822.0	17982.0



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2945.3	3087.8	3171.5	3300.0	3496.7	3662.1	3785.1	4086.7	4983.5	6396.0	8917.8
-25°	2739.6	2863.0	3028.2	3275.0	3467.5	3585.7	3608.9	3621.8	3877.4	4157.8	5009.2
-27.5°	2532.6	2707.4	2953.4	3231.8	3460.5	3518.1	3521.2	3516.9	3577.8	3620.3	3832.2
-30°	2348.1	2577.0	2809.3	3106.5	3329.1	3422.7	3462.4	3489.8	3521.2	3559.9	3574.0
-32.5°	1972.1	2439.9	2628.0	2866.0	3146.5	3294.7	3369.1	3432.7	3467.4	3501.2	3527.9
-35°	1559.1	2052.7	2501.5	2655.3	2854.4	3105.4	3292.4	3368.5	3432.4	3468.6	3502.4
-37.5°	1172.6	1595.8	2032.1	2441.0	2644.2	2821.7	3060.7	3246.7	3364.2	3410.6	3451.3
-40°	1033.3	1143.2	1528.6	1903.7	2261.8	2600.0	2798.6	3023.5	3203.0	3294.0	3364.4
-42.5°	1028.0	1068.4	1107.7	1371.0	1703.7	2029.9	2338.1	2626.7	2893.1	3074.2	3208.4
-45°	1026.9	1055.7	1088.5	1127.8	1167.5	1422.0	1707.0	1993.5	2285.8	2560.0	2805.8
-47.5°	960.1	1031.7	1071.1	1102.5	1128.8	1162.5	1200.8	1273.2	1511.2	1750.9	1991.3
-50°	868.5	940.1	1005.6	1068.3	1100.1	1121.9	1142.9	1166.7	1196.7	1227.0	1257.8
-52.5°	766.0	834.0	900.7	960.6	1012.1	1061.6	1108.7	1130.3	1146.2	1160.9	1173.5
-55°	670.4	728.8	785.3	838.3	889.6	938.0	982.1	1019.8	1054.6	1086.4	1111.2
-57.5°	569.0	624.4	677.0	721.6	764.2	804.7	843.6	879.9	912.5	941.4	965.7
-60°	467.1	512.7	558.8	601.4	641.9	680.1	712.4	742.2	769.5	794.4	817.2
-62.5°	371.2	406.8	445.8	481.5	513.6	544.8	579.2	608.9	634.1	656.2	676.8
-65°	296.0	321.4	349.4	376.5	402.5	432.1	464.7	493.0	517.6	538.0	555.6
-67.5°	213.8	238.6	265.4	289.9	312.5	337.2	367.1	395.3	421.6	443.0	460.1
-70°	144.0	161.6	181.8	203.6	225.5	248.7	274.9	300.3	324.9	344.5	360.8
-72.5°	88.4	100.0	111.5	126.1	141.1	159.0	179.1	199.4	219.7	236.3	250.5
-75°	47.0	51.0	59.7	68.0	75.9	85.8	96.1	105.7	114.6	122.7	130.1
-77.5°	40.2	41.9	43.4	44.8	46.1	50.1	55.1	60.3	65.6	71.1	76.5
-80°	32.0	33.3	34.6	35.8	37.1	40.2	43.5	46.8	50.1	53.8	57.4
-82.5°	24.7	25.3	25.9	26.4	26.9	29.2	31.7	34.1	36.5	39.5	42.4
-85°	18.7	19.0	19.2	19.5	19.7	21.6	23.4	25.1	26.9	30.1	33.3
-87.5°	15.1	15.0	15.0	14.9	14.9	17.2	19.4	21.5	23.6	26.2	28.7
-90°	4.2	4.2	4.2	4.2	4.2	3.7	3.2	2.6	2.1	1.6	1.1



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	69.6	79.5	84.7	90.0	84.7	79.5	69.6	59.6	49.7	39.8	34.0
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°	8.7	8.3	8.4	8.4	8.4	8.3	8.7	9.0	9.1	9.2	9.8
70°	10.4	10.4	10.5	10.5	10.5	10.4	10.4	10.4	10.4	11.0	12.4
67.5°	8.6	8.5	7.5	6.3	7.5	8.5	8.6	8.7	8.9	10.0	12.2
65°	7.8	8.3	7.5	6.3	7.5	8.3	7.8	7.3	7.0	8.1	10.4
62.5°	6.4	6.4	6.3	6.3	6.3	6.4	6.4	6.4	6.4	7.0	8.3
60°	5.6	6.1	6.3	6.3	6.3	6.1	5.6	5.2	4.9	5.6	6.5
57.5°	6.2	6.3	6.3	6.3	6.3	6.3	6.2	6.0	5.6	5.5	5.7
55°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
52.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
50°	7.1	6.6	6.3	6.3	6.3	6.6	7.1	7.5	7.5	7.0	6.6
47.5°	9.1	8.6	8.4	8.4	8.4	8.6	9.1	9.5	9.6	9.3	8.6
45°	12.9	12.7	12.5	12.6	12.5	12.7	12.9	13.0	14.8	14.9	12.2
42.5°	18.7	18.7	18.7	18.8	18.7	18.7	18.7	18.5	21.9	27.1	30.9
40°	35.2	35.5	34.7	33.5	34.7	35.5	35.2	33.5	31.6	29.1	32.5
37.5°	51.5	51.8	51.8	52.3	51.8	51.8	51.5	51.6	51.7	47.6	48.8
35°	83.4	81.3	76.7	77.5	76.7	81.3	83.4	84.5	82.6	75.4	83.5
32.5°	159.5	157.3	148.5	154.9	148.5	157.3	159.5	153.5	144.0	135.7	133.2
30°	268.4	279.1	283.7	282.6	283.7	279.1	268.4	249.3	227.6	203.3	184.7
27.5°	413.4	437.0	451.7	460.5	451.7	437.0	413.4	382.2	321.1	293.8	242.6
25°	752.2	810.5	843.6	887.6	843.6	810.5	752.2	660.8	533.7	458.8	388.1
22.5°	1682.0	1893.1	2027.4	2122.7	2027.4	1893.1	1682.0	1329.1	1001.0	771.4	630.1
20°	4364.0	4346.7	4696.5	4885.9	4696.5	4346.7	4364.0	3240.0	2480.6	1552.7	1140.0
17.5°	13660.6	15831.6	16382.4	15911.6	16382.4	15831.6	13660.6	9490.3	7461.0	4330.9	2625.2
15°	35113.8	42365.4	45725.9	45679.0	45725.9	42365.4	35113.8	25407.6	18459.9	11689.0	6795.4
12.5°	75717.9	89723.0	98867.6	104399.6	98867.6	89723.0	75717.9	60431.4	38809.2	25774.5	15445.0
10°	137410.7	161402.2	180533.9	190145.4	180533.9	161402.2	137410.7	108926.8	75690.3	47568.6	26746.7
7.5°	203639.8	242458.5	275236.5	288842.8	275236.5	242458.5	203639.8	161365.4	115549.1	75835.7	44385.3
5°	280365.2	342132.0	372809.5	386028.6	372809.5	342132.0	280365.2	221663.4	160388.7	106326.1	60912.5
2.5°	344554.4	406144.3	449022.6	465318.6	449022.6	406144.3	344554.4	266707.7	192315.6	126487.8	70775.8
0°	357403.1	421789.4	468980.9	503141.2	468980.9	421789.4	357403.1	271072.3	195560.9	128366.4	74540.1
-2.5°	330113.1	393024.3	427506.5	441953.6	427506.5	393024.3	330113.1	252323.9	183846.4	121520.1	70445.4
-5°	286979.1	342816.0	374695.9	381098.8	374695.9	342816.0	286979.1	223455.0	164431.1	107329.3	60217.3
-7.5°	219303.7	257956.0	283101.2	288177.0	283101.2	257956.0	219303.7	171771.9	126511.5	85141.8	48297.4
-10°	159487.1	187355.5	203503.6	205251.0	203503.6	187355.5	159487.1	124660.6	90217.0	59268.1	32726.4
-12.5°	106561.6	128398.2	139818.9	141469.7	139818.9	128398.2	106561.6	83300.4	57891.4	38720.1	23472.4
-15°	66776.5	80980.1	89368.1	91186.4	89368.1	80980.1	66776.5	49469.0	36585.5	24205.1	14427.8
-17.5°	41144.4	48329.0	52728.6	55637.1	52728.6	48329.0	41144.4	30924.1	22626.1	14314.5	8403.4
-20°	24057.8	28716.8	31331.3	32520.2	31331.3	28716.8	24057.8	17982.0	12822.0	7645.5	5486.4



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12078.1	14376.6	15942.1	16179.5	15942.1	14376.6	12078.1	8917.8	6396.0	4983.5	4086.7
-25°	5857.7	6497.9	6937.2	6962.5	6937.2	6497.9	5857.7	5009.2	4157.8	3877.4	3621.8
-27.5°	4005.3	4138.5	4224.7	4274.6	4224.7	4138.5	4005.3	3832.2	3620.3	3577.8	3516.9
-30°	3588.8	3608.7	3620.9	3604.8	3620.9	3608.7	3588.8	3574.0	3559.9	3521.2	3489.8
-32.5°	3536.9	3546.2	3552.7	3542.0	3552.7	3546.2	3536.9	3527.9	3501.2	3467.4	3432.7
-35°	3532.8	3558.6	3578.8	3573.4	3578.8	3558.6	3532.8	3502.4	3468.6	3432.4	3368.5
-37.5°	3480.9	3503.6	3518.8	3518.9	3518.8	3503.6	3480.9	3451.3	3410.6	3364.2	3246.7
-40°	3403.8	3434.9	3454.2	3454.0	3454.2	3434.9	3403.8	3364.4	3294.0	3203.0	3023.5
-42.5°	3272.5	3316.0	3336.5	3334.7	3336.5	3316.0	3272.5	3208.4	3074.2	2893.1	2626.7
-45°	2990.4	3130.6	3205.8	3213.3	3205.8	3130.6	2990.4	2805.8	2560.0	2285.8	1993.5
-47.5°	2228.2	2444.1	2576.6	2606.2	2576.6	2444.1	2228.2	1991.3	1750.9	1511.2	1273.2
-50°	1288.5	1317.4	1329.7	1325.1	1329.7	1317.4	1288.5	1257.8	1227.0	1196.7	1166.7
-52.5°	1185.6	1197.2	1206.0	1212.1	1206.0	1197.2	1185.6	1173.5	1160.9	1146.2	1130.3
-55°	1131.4	1147.0	1157.0	1161.8	1157.0	1147.0	1131.4	1111.2	1086.4	1054.6	1019.8
-57.5°	985.6	1001.2	1009.9	1013.2	1009.9	1001.2	985.6	965.7	941.4	912.5	879.9
-60°	836.2	851.5	860.4	864.6	860.4	851.5	836.2	817.2	794.4	769.5	742.2
-62.5°	694.2	708.6	717.2	722.2	717.2	708.6	694.2	676.8	656.2	634.1	608.9
-65°	571.2	584.8	592.2	596.6	592.2	584.8	571.2	555.6	538.0	517.6	493.0
-67.5°	475.4	489.0	497.9	504.5	497.9	489.0	475.4	460.1	443.0	421.6	395.3
-70°	375.6	388.9	393.6	395.6	393.6	388.9	375.6	360.8	344.5	324.9	300.3
-72.5°	263.1	274.1	281.5	286.8	281.5	274.1	263.1	250.5	236.3	219.7	199.4
-75°	136.8	142.8	147.1	150.7	147.1	142.8	136.8	130.1	122.7	114.6	105.7
-77.5°	81.9	87.2	89.8	92.1	89.8	87.2	81.9	76.5	71.1	65.6	60.3
-80°	61.0	64.5	65.9	67.0	65.9	64.5	61.0	57.4	53.8	50.1	46.8
-82.5°	45.2	48.0	49.1	50.2	49.1	48.0	45.2	42.4	39.5	36.5	34.1
-85°	36.5	39.7	40.8	41.9	40.8	39.7	36.5	33.3	30.1	26.9	25.1
-87.5°	31.2	33.7	35.6	37.7	35.6	33.7	31.2	28.7	26.2	23.6	21.5
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.6



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	28.2	22.5	16.7	16.7	16.7	16.7	16.7	16.2	15.7	15.2	14.7
87.5°	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.7	5.3	5.8	6.3
85°	4.1	4.1	4.2	4.6	5.0	5.3	5.5	5.7	5.8	6.0	6.3
82.5°	3.4	3.8	4.2	4.8	5.3	5.8	6.3	6.3	6.3	6.3	6.4
80°	4.0	4.1	4.3	4.8	5.3	5.9	6.3	6.4	6.4	6.3	6.4
77.5°	4.2	4.2	4.4	5.1	5.8	6.3	6.6	6.9	7.3	7.5	7.5
75°	5.7	6.0	6.4	7.3	7.9	8.1	8.2	8.0	8.0	8.2	8.4
72.5°	10.2	10.6	11.6	13.2	14.0	14.7	14.8	14.0	12.4	10.1	8.4
70°	13.7	14.8	17.5	21.5	24.4	25.9	26.3	25.3	22.7	20.3	16.2
67.5°	14.2	16.1	19.9	24.8	29.0	32.9	37.0	40.7	40.7	37.8	27.8
65°	12.9	15.6	19.0	22.6	27.2	32.9	41.0	46.6	50.2	51.7	42.7
62.5°	10.0	12.2	14.3	17.3	21.2	27.2	36.9	45.5	53.6	55.9	47.1
60°	7.5	8.5	10.2	12.2	14.6	19.8	29.3	39.9	51.8	51.6	46.9
57.5°	6.0	7.0	8.4	9.5	10.4	14.2	21.2	30.6	42.0	43.0	41.5
55°	6.3	7.1	8.3	9.4	10.5	11.9	14.4	20.1	28.8	31.5	32.1
52.5°	6.3	7.4	8.6	9.8	10.7	11.3	12.0	14.9	17.5	21.4	23.5
50°	6.5	7.7	9.0	10.2	10.9	11.5	12.1	12.6	14.1	15.7	17.1
47.5°	8.4	9.1	9.6	10.6	11.4	11.7	12.3	13.1	13.7	14.0	14.9
45°	12.1	12.0	11.8	12.7	12.8	12.9	12.9	14.2	14.8	15.0	14.6
42.5°	27.5	20.3	15.6	18.2	17.6	16.7	15.8	17.0	17.1	16.7	17.9
40°	40.1	46.5	39.5	32.1	29.7	24.8	23.7	21.9	21.4	19.8	23.3
37.5°	48.9	48.6	61.1	65.7	54.4	44.7	37.6	31.8	27.7	29.2	31.7
35°	79.9	76.5	80.1	86.6	88.7	79.0	63.1	48.4	40.7	41.4	42.4
32.5°	134.8	123.3	117.0	116.6	123.2	120.6	101.4	77.4	63.1	58.3	55.4
30°	179.0	172.5	157.3	166.0	178.0	169.2	146.4	131.5	106.9	78.5	70.8
27.5°	246.6	233.3	214.5	239.6	252.2	237.1	220.4	203.1	162.6	119.3	94.6
25°	371.3	338.2	341.7	350.1	345.5	336.9	313.3	284.8	239.4	180.9	151.7
22.5°	554.4	532.1	513.3	486.5	510.3	492.1	427.8	372.3	362.6	344.1	262.0
20°	901.7	810.6	730.1	793.1	810.1	704.5	573.1	582.1	649.0	584.6	409.8
17.5°	1849.7	1402.5	1227.9	1331.6	1246.7	1035.6	1033.2	1012.1	991.8	886.9	586.1
15°	3545.8	2644.8	2188.8	2002.0	1888.3	1791.1	1744.2	1507.8	1389.1	1217.6	871.3
12.5°	8329.5	4464.8	3244.3	2863.3	2770.2	2603.9	2497.8	2156.6	1843.2	1642.9	1310.5
10°	14451.7	7782.9	4916.4	3933.3	3642.2	3427.9	3145.4	2730.1	2326.8	2099.1	1764.1
7.5°	23931.3	12746.3	6968.1	4926.4	4379.1	4016.8	3603.4	3197.7	2791.4	2543.3	2221.8
5°	31353.6	16469.3	8278.4	5714.7	4993.3	4587.1	4064.0	3601.7	3237.9	2974.7	2670.8
2.5°	35119.3	18357.0	9116.6	6460.2	5567.6	5120.0	4531.9	3961.4	3563.0	3249.6	2927.4
0°	38666.3	21327.1	10418.6	7039.9	6030.9	5559.9	5003.1	4301.8	3824.6	3483.3	3150.5
-2.5°	35938.9	19632.6	9503.5	6562.3	5780.4	5349.0	4981.3	4417.2	3919.0	3520.8	3116.1
-5°	31082.6	16364.6	8502.1	6083.0	5392.0	5050.2	4791.9	4369.8	3902.0	3507.3	3037.5
-7.5°	25142.3	13024.9	7347.8	5540.2	4969.8	4714.3	4497.7	4134.0	3684.5	3336.6	2844.1
-10°	17836.6	9546.1	6120.9	4959.4	4564.1	4382.5	4215.4	3862.0	3462.2	3157.1	2615.7
-12.5°	12824.5	6914.5	4930.8	4352.1	4185.0	4088.5	3955.3	3568.6	3241.5	2973.4	2356.9
-15°	7729.8	5347.4	4365.6	3987.1	3853.0	3803.2	3690.2	3326.6	3070.4	2792.1	2071.5
-17.5°	5587.1	4272.6	3865.9	3701.0	3614.8	3539.8	3405.5	3143.8	2884.3	2533.9	1760.3
-20°	4219.9	3844.7	3605.8	3453.8	3393.9	3329.6	3171.4	2943.9	2669.3	2158.5	1461.0



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3785.1	3662.1	3496.7	3300.0	3171.5	3087.8	2945.3	2730.4	2429.0	1762.2	1168.4
-25°	3608.9	3585.7	3467.5	3275.0	3028.2	2863.0	2739.6	2514.2	2040.1	1401.1	922.5
-27.5°	3521.2	3518.1	3460.5	3231.8	2953.4	2707.4	2532.6	2264.1	1649.5	1131.5	887.7
-30°	3462.4	3422.7	3329.1	3106.5	2809.3	2577.0	2348.1	1839.4	1327.8	927.7	872.8
-32.5°	3369.1	3294.7	3146.5	2866.0	2628.0	2439.9	1972.1	1449.4	1020.8	910.7	865.7
-35°	3292.4	3105.4	2854.4	2655.3	2501.5	2052.7	1559.1	1123.8	945.1	893.9	860.1
-37.5°	3060.7	2821.7	2644.2	2441.0	2032.1	1595.8	1172.6	990.2	926.4	886.7	827.5
-40°	2798.6	2600.0	2261.8	1903.7	1528.6	1143.2	1033.3	978.3	929.2	861.0	781.0
-42.5°	2338.1	2029.9	1703.7	1371.0	1107.7	1068.4	1028.0	980.2	910.6	817.1	726.4
-45°	1707.0	1422.0	1167.5	1127.8	1088.5	1055.7	1026.9	948.2	855.3	760.1	668.1
-47.5°	1200.8	1162.5	1128.8	1102.5	1071.1	1031.7	960.1	879.8	784.5	694.2	612.8
-50°	1142.9	1121.9	1100.1	1068.3	1005.6	940.1	868.5	792.9	707.3	628.2	552.4
-52.5°	1108.7	1061.6	1012.1	960.6	900.7	834.0	766.0	701.3	629.8	556.8	487.0
-55°	982.1	938.0	889.6	838.3	785.3	728.8	670.4	609.8	546.3	480.1	420.3
-57.5°	843.6	804.7	764.2	721.6	677.0	624.4	569.0	513.3	461.1	406.0	353.4
-60°	712.4	680.1	641.9	601.4	558.8	512.7	467.1	421.6	376.7	338.6	298.4
-62.5°	579.2	544.8	513.6	481.5	445.8	406.8	371.2	341.3	311.2	278.2	237.5
-65°	464.7	432.1	402.5	376.5	349.4	321.4	296.0	268.5	238.7	206.9	172.2
-67.5°	367.1	337.2	312.5	289.9	265.4	238.6	213.8	188.4	165.8	142.9	117.1
-70°	274.9	248.7	225.5	203.6	181.8	161.6	144.0	125.8	105.8	89.0	74.6
-72.5°	179.1	159.0	141.1	126.1	111.5	100.0	88.4	76.2	64.3	52.7	44.3
-75°	96.1	85.8	75.9	68.0	59.7	51.0	47.0	45.0	42.8	40.3	37.4
-77.5°	55.1	50.1	46.1	44.8	43.4	41.9	40.2	38.0	35.7	33.5	31.4
-80°	43.5	40.2	37.1	35.8	34.6	33.3	32.0	30.3	28.7	27.2	26.1
-82.5°	31.7	29.2	26.9	26.4	25.9	25.3	24.7	23.9	23.1	22.3	21.6
-85°	23.4	21.6	19.7	19.5	19.2	19.0	18.7	18.3	18.0	17.6	17.3
-87.5°	19.4	17.2	14.9	14.9	15.0	15.0	15.1	15.0	14.9	14.8	14.7
-90°	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.7	5.3	5.8	6.3



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	14.2	13.7	13.1	12.6	12.6	12.6	12.6	12.6	12.1	11.6	11.0
87.5°	6.3	6.3	6.3	6.3	6.6	6.8	7.0	7.2	7.4	7.7	8.0
85°	6.5	6.6	6.6	6.6	7.0	7.4	7.8	8.1	8.0	8.1	8.2
82.5°	6.9	7.3	7.6	7.8	7.8	7.9	8.1	8.4	8.4	8.4	8.4
80°	6.9	7.4	8.0	8.4	8.4	8.4	8.3	8.4	8.4	8.4	8.4
77.5°	7.5	7.7	8.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
75°	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
72.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
70°	12.2	9.1	8.4	8.4	8.4	8.4	8.4	8.5	8.4	8.4	8.4
67.5°	19.0	14.4	11.0	8.8	8.4	8.4	8.4	8.7	8.7	8.4	8.4
65°	31.0	21.4	14.4	11.6	9.4	8.4	8.4	8.8	9.1	8.9	8.4
62.5°	38.6	29.6	20.8	15.0	11.4	9.4	8.4	8.9	9.4	9.3	8.8
60°	41.4	32.8	26.6	20.4	14.5	10.6	9.3	9.0	9.5	9.9	9.3
57.5°	37.3	33.7	29.7	24.8	18.7	12.9	10.2	9.7	9.6	10.1	9.9
55°	31.2	29.5	31.2	27.9	22.4	16.2	11.9	10.5	9.9	10.2	10.6
52.5°	23.4	26.3	30.0	30.0	25.4	19.4	14.6	11.4	10.6	10.3	10.7
50°	17.7	22.6	28.5	30.7	28.2	22.4	16.9	13.1	11.4	10.5	10.9
47.5°	16.4	20.7	25.5	31.2	30.4	25.2	19.2	14.7	12.2	11.2	11.2
45°	17.6	20.5	24.0	28.9	32.3	26.9	21.4	15.8	13.1	12.0	11.5
42.5°	20.0	22.2	24.5	26.9	30.4	28.0	23.4	17.5	13.9	12.8	12.0
40°	24.9	25.3	26.1	28.3	29.0	28.6	24.1	19.0	14.4	13.6	12.7
37.5°	31.2	30.3	29.5	32.0	29.7	28.3	24.4	20.4	15.8	14.6	13.3
35°	40.9	37.2	36.4	38.0	34.8	28.8	24.4	21.1	18.1	15.7	13.9
32.5°	52.4	49.3	48.1	45.6	41.7	30.3	24.9	22.9	20.3	16.9	14.6
30°	69.2	71.5	62.5	54.3	49.9	36.8	27.8	25.0	22.6	18.1	15.3
27.5°	102.9	99.9	80.8	67.3	58.2	45.7	33.9	27.5	24.8	19.7	16.3
25°	146.1	134.2	108.6	83.0	67.3	73.6	41.3	30.4	27.0	21.6	17.3
22.5°	203.5	174.1	140.6	100.1	108.3	110.9	56.7	36.2	29.2	23.4	18.4
20°	269.9	219.0	188.7	166.7	158.4	147.8	84.0	42.6	31.6	25.2	19.5
17.5°	354.4	312.4	302.8	252.7	214.4	188.3	116.3	49.5	34.1	27.0	20.6
15°	583.5	461.3	425.0	349.0	273.9	231.6	152.5	56.7	36.7	28.6	21.6
12.5°	871.7	610.9	553.7	453.1	336.1	277.0	191.5	64.1	39.3	30.3	22.4
10°	1190.0	760.6	686.8	562.4	399.9	323.8	231.8	72.8	43.7	31.9	23.1
7.5°	1525.2	909.4	822.3	674.2	463.1	368.8	273.7	84.4	48.6	33.5	23.7
5°	1835.8	1038.2	934.7	768.1	519.5	410.5	314.0	95.9	53.5	35.1	24.3
2.5°	2012.6	1135.5	1028.9	854.5	574.1	450.3	350.9	107.0	58.3	36.5	24.7
0°	2156.2	1228.8	1117.8	933.6	625.9	487.8	383.1	117.2	62.8	37.7	25.1
-2.5°	2118.6	1214.4	1101.3	926.3	641.9	499.1	387.9	136.2	77.7	47.5	30.0
-5°	2044.9	1195.8	1079.7	911.8	653.7	507.4	387.5	153.8	91.9	56.8	34.6
-7.5°	1903.1	1153.9	1046.4	890.4	660.9	512.4	383.1	169.9	105.2	65.5	39.0
-10°	1722.1	1097.3	999.1	853.8	650.9	510.6	375.5	184.4	117.3	73.3	42.8
-12.5°	1512.1	1039.4	952.8	814.8	635.4	503.3	365.7	196.8	127.9	80.1	46.0
-15°	1275.5	981.0	909.4	774.7	617.0	494.2	354.4	207.0	137.0	86.2	48.5
-17.5°	1020.0	922.8	870.4	735.0	596.2	483.4	342.4	215.0	144.6	91.7	51.1
-20°	947.5	884.5	833.5	696.9	573.3	471.4	330.5	220.6	150.6	95.7	53.4



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	912.2	863.6	792.1	665.7	551.7	458.2	319.3	223.7	154.9	98.4	54.6
-25°	879.5	844.3	752.6	636.7	533.8	438.6	314.9	224.3	157.4	99.4	54.5
-27.5°	856.0	819.2	713.4	605.3	513.9	422.2	314.0	226.2	158.2	98.7	53.1
-30°	837.8	774.9	675.7	574.3	491.7	400.0	309.8	225.9	157.1	97.0	50.4
-32.5°	822.8	732.4	636.7	547.7	465.6	376.4	296.2	223.1	153.6	93.7	48.6
-35°	783.8	690.9	596.7	518.7	437.7	354.8	278.6	217.9	147.8	88.5	46.5
-37.5°	742.0	648.0	563.0	487.5	409.0	331.0	262.0	202.5	139.6	81.2	43.5
-40°	692.6	605.4	528.0	455.5	380.2	305.0	243.2	184.7	129.5	71.8	39.5
-42.5°	640.8	563.5	490.4	422.3	349.5	281.9	222.2	165.1	113.2	64.4	34.5
-45°	591.2	518.2	449.5	383.4	317.3	256.3	198.4	143.9	95.3	57.5	30.8
-47.5°	537.7	469.5	404.7	342.0	286.1	228.2	172.5	122.6	76.4	49.3	29.6
-50°	480.5	417.5	357.1	302.7	251.2	197.2	145.4	99.9	64.6	38.9	28.2
-52.5°	422.3	363.2	311.7	263.5	213.9	164.0	118.8	77.1	52.2	33.9	26.4
-55°	362.1	312.8	268.2	221.7	174.9	132.1	91.0	62.7	39.4	31.1	24.6
-57.5°	309.5	265.3	221.5	177.7	137.6	99.7	69.8	47.6	34.1	28.3	23.8
-60°	256.9	213.4	172.3	136.2	101.2	73.0	52.3	36.0	31.0	25.9	22.9
-62.5°	197.7	160.3	127.5	95.7	72.1	53.2	37.0	32.7	27.9	24.6	21.9
-65°	142.6	112.7	84.0	67.0	50.0	37.2	33.6	29.4	26.0	23.2	20.8
-67.5°	91.0	74.4	57.9	42.6	36.7	33.4	30.0	26.9	24.2	21.7	19.8
-70°	60.1	45.6	38.6	35.5	32.5	29.7	27.3	24.7	22.3	20.7	18.7
-72.5°	40.7	37.1	33.8	31.0	29.2	27.1	24.7	22.6	21.3	19.6	17.7
-75°	34.4	32.1	30.2	28.6	26.7	24.6	23.0	21.7	20.3	18.6	16.6
-77.5°	29.8	28.4	27.3	26.0	24.2	22.8	21.8	20.9	19.2	17.4	15.5
-80°	25.3	24.4	23.6	22.7	21.6	20.9	20.2	19.4	17.7	16.0	14.3
-82.5°	21.0	20.5	20.1	19.7	19.3	18.8	18.3	17.7	16.2	14.7	13.3
-85°	17.2	17.2	17.2	17.3	17.0	16.7	16.4	16.0	14.8	13.6	12.6
-87.5°	14.9	15.0	15.0	15.0	14.8	14.6	14.5	14.3	13.4	12.6	11.8
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.8	7.4	7.9



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.5	10.0	9.5	8.9	8.4	8.4	8.4
87.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4
85°	8.4	8.4	8.4	8.4	8.4	8.4	8.4
82.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4
80°	8.4	8.4	8.4	8.4	8.4	8.4	8.4
77.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4
75°	8.5	8.6	8.4	8.4	8.4	8.4	8.4
72.5°	8.5	8.7	8.6	8.4	8.4	8.4	8.4
70°	8.6	8.9	8.8	8.4	8.4	8.4	8.4
67.5°	8.6	9.0	9.0	8.6	8.4	8.4	8.4
65°	8.7	9.2	9.2	8.9	8.4	8.4	8.4
62.5°	8.7	9.2	9.5	9.1	8.4	8.4	8.4
60°	8.8	9.3	9.7	9.3	8.4	8.4	8.4
57.5°	9.3	9.3	9.8	9.5	8.6	8.4	8.4
55°	9.8	9.4	9.8	9.7	8.7	8.4	8.4
52.5°	10.3	9.5	9.9	10.0	8.9	8.4	8.4
50°	10.9	9.9	9.9	10.2	9.0	8.4	8.4
47.5°	11.3	10.4	10.0	10.4	9.1	8.4	8.4
45°	11.6	10.8	10.1	10.4	9.3	8.4	8.4
42.5°	11.9	11.2	10.1	10.5	9.4	8.4	8.4
40°	12.2	11.6	10.3	10.5	9.5	8.4	8.4
37.5°	12.6	11.9	10.6	10.6	9.6	8.4	8.4
35°	13.0	12.3	10.9	10.6	9.7	8.4	8.4
32.5°	13.4	12.6	11.2	10.7	9.8	8.4	8.4
30°	14.0	12.9	11.5	10.8	9.9	8.4	8.4
27.5°	14.5	13.2	11.7	10.9	10.0	8.4	8.4
25°	14.9	13.6	11.9	11.0	10.1	8.4	8.4
22.5°	15.4	13.9	12.1	11.2	10.2	8.4	8.4
20°	15.9	14.1	12.2	11.3	10.2	8.4	8.4
17.5°	16.3	14.2	12.4	11.5	10.3	8.4	8.4
15°	16.6	14.3	12.4	11.6	10.4	8.4	8.4
12.5°	17.0	14.4	12.5	11.8	10.4	8.4	8.4
10°	17.4	14.5	12.6	12.0	10.4	8.4	8.4
7.5°	17.8	14.6	12.6	12.1	10.5	8.4	8.4
5°	18.2	14.7	12.6	12.3	10.5	8.4	8.4
2.5°	18.5	14.7	12.6	12.5	10.5	8.4	8.4
0°	18.8	14.7	12.6	12.6	10.5	8.4	8.4
-2.5°	20.5	15.1	13.0	12.7	10.6	8.4	8.4
-5°	22.0	15.6	13.3	12.9	10.7	8.5	8.4
-7.5°	23.5	16.0	13.7	13.0	10.7	8.5	8.4
-10°	24.7	16.3	14.0	13.1	10.8	8.6	8.4
-12.5°	25.7	16.7	14.3	13.1	10.9	8.6	8.4
-15°	26.5	17.0	14.6	13.2	10.9	8.7	8.4
-17.5°	27.0	17.3	14.9	13.3	10.9	8.7	8.4
-20°	27.5	17.6	15.1	13.3	11.0	8.7	8.4



REPORT NUMBER: P731600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28.2	17.9	15.3	13.3	11.0	8.8	8.4
-25°	28.3	18.3	15.5	13.3	11.0	8.8	8.4
-27.5°	27.9	18.6	15.6	13.3	11.0	8.8	8.4
-30°	26.8	18.8	15.6	13.3	11.0	8.9	8.4
-32.5°	25.1	19.0	15.7	13.3	11.0	8.9	8.4
-35°	24.5	18.9	15.8	13.3	10.9	8.9	8.4
-37.5°	24.5	18.8	15.8	13.2	10.9	8.9	8.4
-40°	24.2	18.8	15.7	13.2	10.9	8.9	8.4
-42.5°	23.7	18.7	15.7	13.1	10.8	8.9	8.4
-45°	23.0	18.6	15.6	13.0	10.8	8.9	8.4
-47.5°	22.1	18.4	15.4	12.9	10.7	8.9	8.4
-50°	21.7	18.2	15.2	12.7	10.6	8.9	8.4
-52.5°	21.3	17.9	15.0	12.6	10.5	8.9	8.4
-55°	20.8	17.5	14.7	12.4	10.4	8.9	8.4
-57.5°	20.2	17.1	14.4	12.2	10.3	8.9	8.4
-60°	19.6	16.6	14.1	12.0	10.2	8.9	8.4
-62.5°	18.9	16.1	13.7	11.8	10.1	8.8	8.4
-65°	18.2	15.5	13.3	11.5	10.0	8.8	8.4
-67.5°	17.3	15.0	12.9	11.3	9.9	8.8	8.4
-70°	16.5	14.3	12.5	11.0	9.7	8.7	8.4
-72.5°	15.6	13.7	12.0	10.7	9.6	8.7	8.4
-75°	14.6	13.0	11.6	10.5	9.4	8.7	8.4
-77.5°	13.7	12.3	11.2	10.2	9.3	8.6	8.4
-80°	12.7	11.7	10.9	10.0	9.1	8.6	8.4
-82.5°	12.1	11.3	10.5	9.7	8.9	8.5	8.4
-85°	11.6	10.9	10.2	9.5	8.8	8.5	8.4
-87.5°	11.0	10.4	9.8	9.2	8.6	8.4	8.4
-90°	8.4	8.4	8.4	8.4	8.4	8.4	8.4

(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

