

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: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-3S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-70-3S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

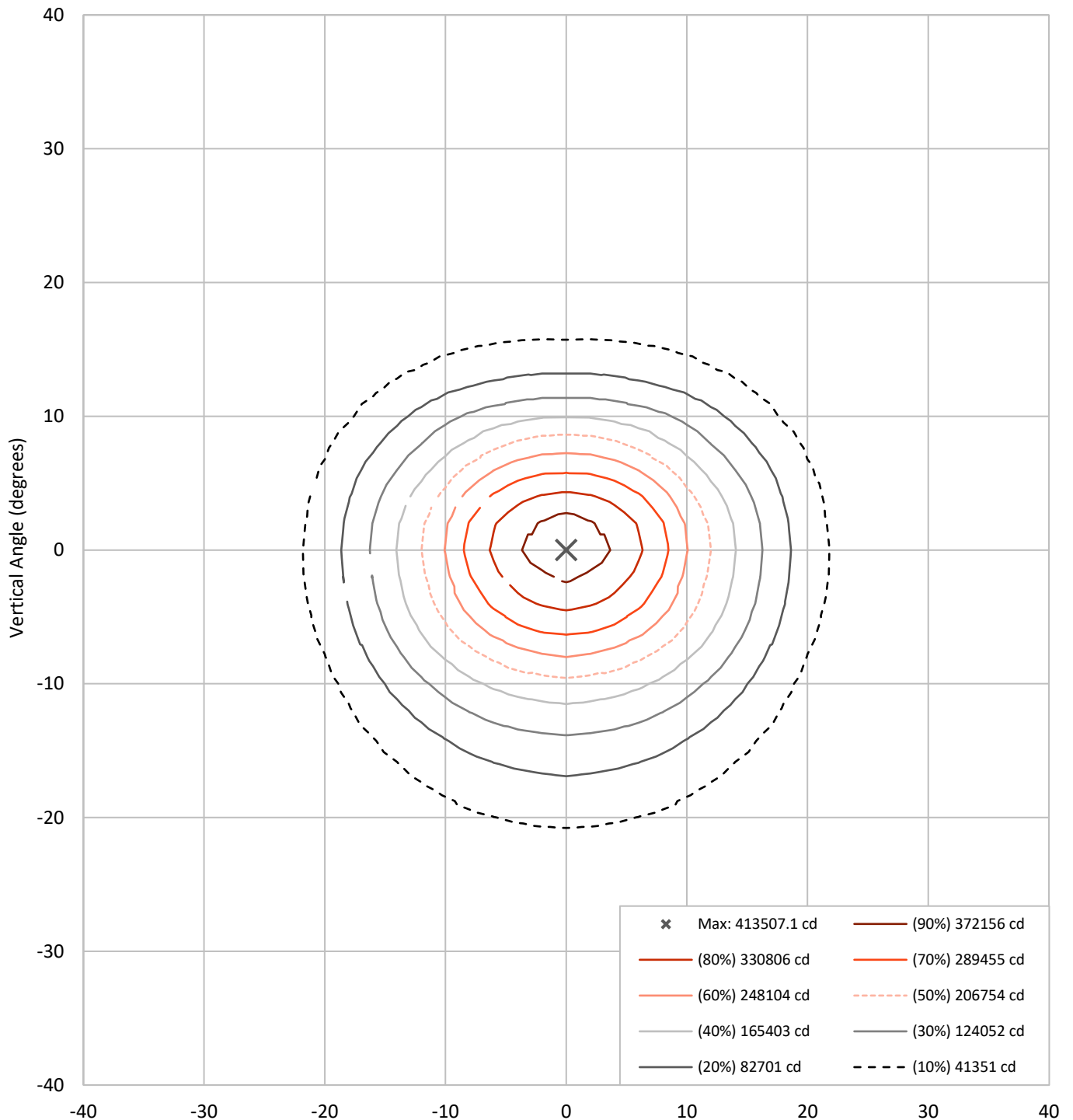
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	69128.1 lumens	Max Intensity:	413507.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	99.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	29571.4 lumens	Field Lumens:	59076.8 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 697.2
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





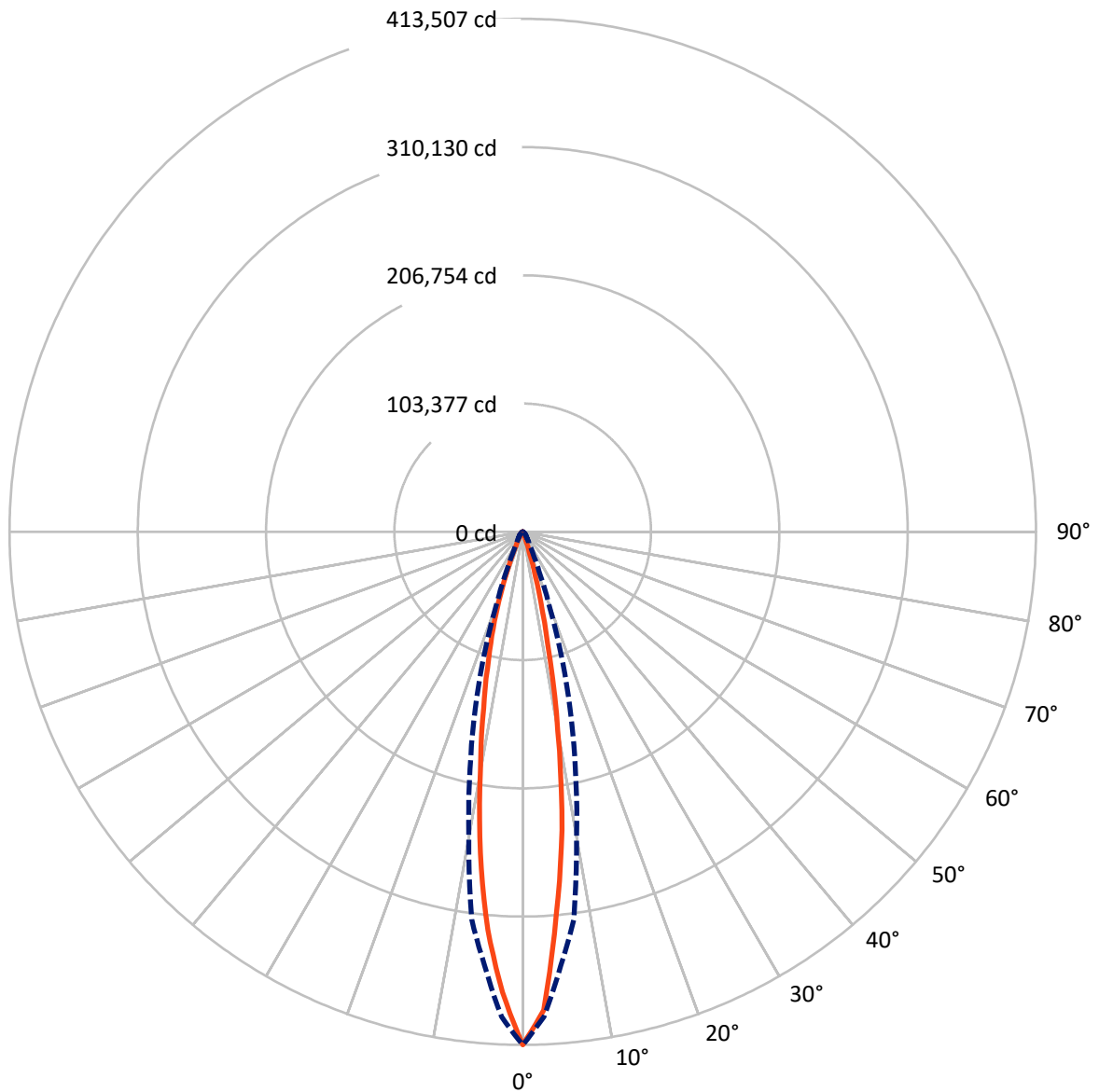
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Lumen Table

90	0.2		0.5		0.8		0.9		1.0		0.9		0.8		0.5		0.2	
80	0.2		0.5		0.8		0.9		1.0		0.9		0.8		0.5		0.2	
70	0.2	0.1	0.2	0.8	0.9	0.6	0.3	0.3	0.3	0.3	0.6	0.9	0.8	0.2	0.1	0.2	0.2	0.2
60		0.1	0.5	0.7	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	0.5	0.1			
50	0.2	0.2	0.5	0.4	0.4	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.2	0.2	0.2	0.2
40		0.3	0.7	1.0	1.9	2.7	3.4	4.4	4.4	3.4	2.7	1.9	1.0	0.7	0.3			
30	0.3	0.5	2.0	4.8	9.1	13.9	31.4	63.2	63.2	31.4	13.9	9.1	4.8	2.0	0.5	0.3	0.3	0.3
20		1.4	7.1	22.7	49.8	133.5	740.5	1694.5	1694.5	740.5	133.5	49.8	22.7	7.1	1.4			
10	0.4	2.5	14.9	53.7	125.4	551.4	3458.2	8072.1	8072.1	3458.2	551.4	125.4	53.7	14.9	2.5	0.4	0.4	0.4
0		3.4	17.8	62.9	140.6	587.6	3688.4	8314.0	8314.0	3688.4	587.6	140.6	62.9	17.8	3.4			
-10	0.7	3.6	15.3	47.7	99.8	253.3	1339.2	3013.8	3013.8	1339.2	253.3	99.8	47.7	15.3	3.6	0.7	0.7	0.7
-20		3.5	12.4	29.9	70.5	119.5	259.3	521.5	521.5	259.3	119.5	70.5	29.9	12.4	3.5			
-30	0.6	3.1	9.9	20.9	45.6	82.4	112.0	130.6	130.6	112.0	82.4	45.6	20.9	9.9	3.1	0.6	0.6	0.6
-40		2.2	7.4	15.9	28.4	46.2	70.8	89.1	89.1	70.8	46.2	28.4	15.9	7.4	2.2			
-50	0.3	1.0	4.4	10.1	18.0	26.5	33.5	37.7	37.7	33.5	26.5	18.0	10.1	4.4	1.0	0.3	0.3	0.3
-60		0.4	1.5	4.3	8.1	12.5	16.8	19.3	19.3	16.8	12.5	8.1	4.3	1.5	0.4			
-70	0.2	1.0	3.3	8.9	13.8	8.9	3.3	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-80		1.0	3.3	8.9	13.8	8.9	3.3	1.0										
-90	0.2		1.0		3.3		8.9		13.8		8.9		3.3		1.0		0.2	

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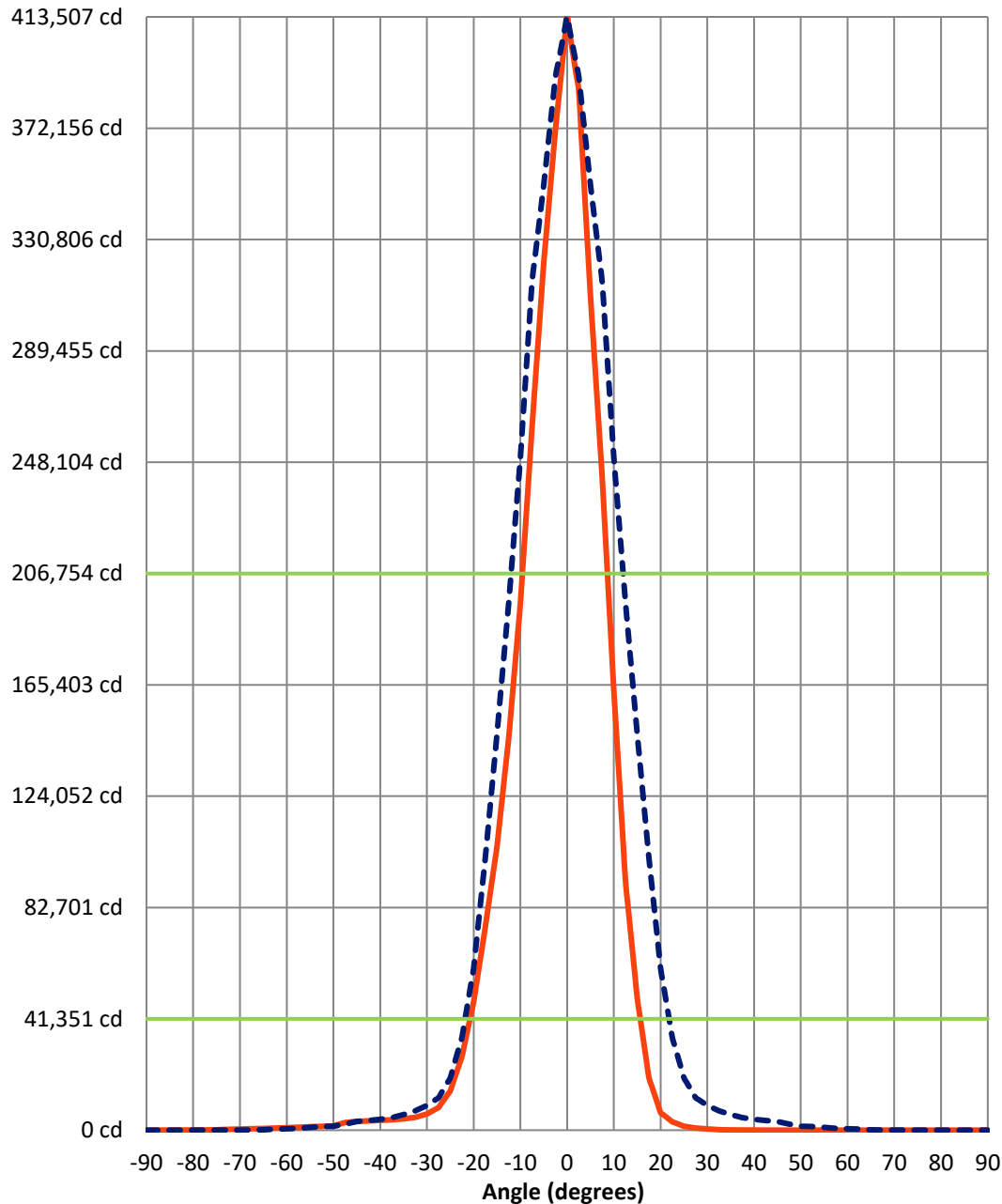
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24°
V Angle: 18.2°
Lumens: 29571.4
Efficiency: 42.8%

Field:
H Angle: 43.7°
V Angle: 36.4°
Lumens: 59076.8
Efficiency: 85.5%

Spill:
Lumens: 10051.3
Efficiency: 14.5%

- 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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.4
67.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	9.5	10.3
65°	8.7	8.7	8.7	8.7	8.7	8.8	8.9	8.7	9.4	10.3	10.7
62.5°	8.7	8.7	8.7	8.7	8.7	9.0	9.0	9.1	10.1	10.8	10.1
60°	8.7	8.7	8.7	8.7	8.7	9.1	9.1	9.7	10.8	10.5	9.5
57.5°	8.7	8.7	8.7	8.7	8.9	9.4	9.5	10.3	10.8	10.2	9.5
55°	8.7	8.7	8.8	8.7	9.1	9.6	10.0	10.8	10.7	10.1	9.6
52.5°	8.7	8.7	8.8	8.7	9.4	9.8	10.3	10.9	10.7	10.2	9.7
50°	8.7	8.7	8.8	8.7	9.6	10.1	10.7	11.0	10.8	10.3	11.8
47.5°	8.7	8.7	8.9	8.7	9.9	10.3	10.9	11.2	10.9	10.5	13.6
45°	8.7	8.7	9.0	9.0	10.1	10.5	11.1	11.4	11.1	11.6	15.0
42.5°	8.7	8.7	9.0	9.2	10.4	10.6	11.3	11.6	11.4	12.3	16.5
40°	8.7	8.7	9.1	9.4	10.6	10.8	11.6	11.9	11.9	12.8	17.9
37.5°	8.7	8.7	9.2	9.6	10.7	10.9	11.8	12.3	12.8	14.1	19.2
35°	8.7	8.7	9.3	9.9	10.8	11.0	12.1	12.7	13.8	16.4	19.9
32.5°	8.7	8.7	9.4	10.1	10.8	11.3	12.5	13.1	14.8	18.8	21.8
30°	8.7	8.7	9.5	10.2	10.9	11.5	12.8	13.7	15.8	21.2	24.2
27.5°	8.7	8.7	9.6	10.4	10.9	11.8	13.2	14.5	17.3	23.7	27.0
25°	8.7	8.7	9.7	10.5	10.9	12.0	13.6	15.4	19.3	26.1	30.4
22.5°	8.7	8.7	9.8	10.6	10.9	12.3	14.0	16.3	21.3	28.7	36.6
20°	8.7	8.7	10.0	10.7	10.9	12.4	14.4	17.1	23.3	31.4	43.5
17.5°	8.7	8.7	10.1	10.8	10.9	12.6	14.7	18.0	25.3	34.4	50.9
15°	8.7	8.7	10.2	10.8	10.9	12.7	14.8	18.9	27.1	37.4	58.7
12.5°	8.7	8.7	10.3	10.8	10.9	12.8	15.0	20.1	29.3	40.5	66.6
10°	8.7	8.7	10.5	10.9	10.9	12.9	15.1	21.4	31.6	45.7	76.3
7.5°	8.7	8.7	10.6	10.9	10.9	13.0	15.2	22.7	33.7	51.3	89.9
5°	8.7	8.7	10.7	10.9	10.9	13.1	15.2	23.9	35.7	57.0	103.4
2.5°	8.7	8.7	10.8	10.9	10.9	13.1	15.3	25.1	37.6	62.5	116.5
0°	8.7	8.7	10.9	10.9	10.9	13.1	15.3	25.1	37.6	62.5	116.5
-2.5°	8.7	8.7	10.9	10.9	11.1	13.6	17.3	31.3	49.9	83.2	147.5
-5°	8.7	8.7	10.9	10.9	11.3	14.0	19.3	36.1	60.0	98.0	164.8
-7.5°	8.7	8.7	10.9	10.9	11.5	14.4	21.1	40.5	69.4	111.8	180.6
-10°	8.7	8.7	10.8	10.9	11.6	14.8	22.7	44.4	77.9	124.4	194.8
-12.5°	8.7	8.7	10.8	10.9	11.8	15.1	24.1	47.6	85.2	135.7	207.6
-15°	8.7	8.7	10.7	10.9	11.9	15.4	25.2	50.1	91.9	146.0	218.8
-17.5°	8.7	8.7	10.7	10.9	12.0	15.5	25.9	52.9	98.2	154.8	227.7
-20°	8.7	8.7	10.6	10.9	12.0	15.7	26.7	55.6	102.8	162.1	234.3



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.7	8.7	10.6	10.9	12.1	15.7	27.5	57.0	105.8	167.7	238.5
-25°	8.7	8.7	10.5	10.9	12.1	15.8	27.6	57.1	107.0	171.6	240.1
-27.5°	8.7	8.7	10.4	10.9	12.0	16.0	27.0	55.8	106.3	173.3	243.4
-30°	8.7	8.7	10.3	10.9	11.9	15.9	25.7	53.1	104.4	172.1	244.6
-32.5°	8.7	8.7	10.2	10.9	12.0	15.8	23.5	51.1	101.1	168.2	243.5
-35°	8.7	8.7	10.1	10.9	11.9	15.6	22.5	48.5	95.7	161.5	240.0
-37.5°	8.7	8.7	10.0	10.9	11.8	15.3	22.1	44.6	88.0	152.1	223.9
-40°	8.7	8.7	9.9	10.9	11.7	15.2	21.6	39.5	78.2	141.1	204.1
-42.5°	8.7	8.7	9.7	10.9	11.6	14.9	20.8	33.1	69.6	124.0	182.2
-45°	8.7	8.7	9.6	10.9	11.7	14.6	19.9	28.2	60.7	104.8	158.7
-47.5°	8.7	8.7	9.5	10.9	11.6	14.3	18.7	26.8	50.1	84.4	135.6
-50°	8.7	8.7	9.3	10.7	11.6	13.8	18.0	25.2	37.1	69.7	110.9
-52.5°	8.7	8.7	9.2	10.5	11.5	13.2	17.2	23.2	31.2	54.2	85.7
-55°	8.7	8.7	9.0	10.4	11.3	12.9	16.4	21.2	28.3	38.1	67.6
-57.5°	8.7	8.7	8.9	10.2	11.1	12.6	15.4	19.9	25.3	31.8	48.8
-60°	8.7	8.7	8.7	10.0	10.9	12.2	14.4	18.4	22.5	28.4	34.5
-62.5°	8.7	8.7	8.7	9.8	10.7	11.7	13.6	16.8	20.7	24.9	30.6
-65°	8.7	8.7	8.7	9.6	10.5	11.2	12.8	15.4	18.8	22.5	26.5
-67.5°	8.7	8.7	8.7	9.4	10.3	10.8	12.0	14.3	16.9	20.3	23.7
-70°	8.7	8.7	8.7	9.2	10.1	10.7	11.0	13.2	15.6	18.1	21.2
-72.5°	8.7	8.7	8.7	9.1	9.9	10.6	10.9	12.0	14.3	16.6	18.9
-75°	8.7	8.7	8.7	9.1	9.8	10.4	10.9	11.6	13.0	15.1	17.2
-77.5°	8.7	8.7	8.7	9.0	9.6	10.3	10.8	11.4	12.3	13.7	15.5
-80°	8.7	8.7	8.7	9.0	9.4	10.1	10.9	11.1	11.7	12.6	13.8
-82.5°	8.7	8.7	8.7	8.9	9.3	9.8	10.4	10.7	11.0	11.4	12.0
-85°	8.7	8.7	8.7	8.8	9.1	9.4	9.8	10.0	10.2	10.4	10.6
-87.5°	8.7	8.7	8.7	8.8	8.9	9.1	9.3	9.4	9.5	9.5	9.6
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.3	9.8	10.3
87.5°	8.4	8.2	8.0	7.8	7.6	7.3	7.0	6.6	6.6	6.6	6.6
85°	8.7	8.7	8.7	8.7	8.2	7.7	7.1	6.6	6.6	6.6	6.6
82.5°	8.7	8.7	8.7	8.7	8.2	7.7	7.2	6.9	6.9	6.9	6.8
80°	8.7	8.7	8.7	8.7	8.5	8.3	8.2	8.3	8.2	7.7	7.2
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.3	7.8	7.3
75°	8.7	8.7	8.8	8.8	8.7	8.7	8.7	8.7	8.5	8.3	8.3
72.5°	9.1	9.3	9.3	9.0	8.7	8.7	8.7	8.7	10.3	12.5	14.1
70°	9.9	10.0	9.4	8.9	8.7	9.3	11.9	15.6	19.5	22.3	25.9
67.5°	10.6	9.6	9.0	8.9	10.5	13.4	17.6	26.9	37.3	41.4	42.6
65°	9.8	8.9	9.2	10.7	12.9	20.6	30.8	43.0	51.8	51.2	48.5
62.5°	8.9	9.0	10.2	13.7	20.7	30.4	39.7	48.2	56.6	54.3	46.6
60°	8.9	9.2	13.4	20.6	27.9	34.9	43.7	48.5	52.4	52.1	41.2
57.5°	9.0	11.8	19.0	25.9	31.8	37.2	40.0	43.3	44.7	44.8	33.5
55°	10.5	16.3	23.2	29.1	33.5	32.7	33.8	34.2	34.4	32.1	22.7
52.5°	13.9	20.0	25.7	30.8	31.9	28.7	25.1	25.3	23.6	19.8	16.4
50°	16.8	22.2	27.7	31.3	29.9	23.9	18.5	18.4	16.8	14.5	12.5
47.5°	18.8	24.3	29.7	31.6	26.6	21.7	17.1	14.9	13.3	12.8	11.5
45°	20.6	25.9	31.5	29.5	25.1	21.4	17.6	13.1	13.7	13.6	14.0
42.5°	22.3	27.0	30.2	28.1	25.6	22.9	19.5	16.8	15.7	17.3	18.0
40°	23.0	27.7	29.2	29.6	27.2	25.8	25.3	23.3	20.2	23.0	23.9
37.5°	23.3	27.7	30.4	34.0	30.8	31.6	32.9	33.3	31.5	30.8	34.6
35°	23.3	28.4	36.7	40.9	38.3	40.2	43.9	45.7	45.8	44.9	51.5
32.5°	23.8	30.0	45.3	48.9	51.8	54.1	56.6	60.7	64.4	68.6	79.5
30°	26.9	38.0	55.1	58.0	68.3	79.0	76.0	78.1	86.7	114.0	137.8
27.5°	33.6	49.0	63.8	72.6	89.3	111.8	118.8	105.1	130.0	172.4	212.8
25°	41.4	79.3	73.1	90.5	121.6	155.4	174.2	172.1	196.5	250.1	298.1
22.5°	58.2	119.0	115.3	110.0	159.1	208.7	240.9	296.9	375.6	375.3	392.7
20°	87.4	156.8	168.5	183.0	214.7	270.0	316.1	464.2	628.2	684.0	623.2
17.5°	121.6	198.6	229.1	278.4	348.7	384.5	410.8	664.2	941.5	1051.4	1085.9
15°	159.6	243.5	293.9	385.1	497.2	560.7	672.6	962.1	1289.8	1476.1	1614.5
12.5°	200.1	290.8	361.8	500.5	656.4	740.3	988.4	1407.6	1733.9	1958.6	2310.7
10°	241.9	339.6	431.6	621.5	823.0	922.2	1326.6	1866.3	2207.2	2467.3	2949.0
7.5°	287.9	388.3	501.0	745.0	993.1	1104.7	1675.9	2328.6	2668.6	2958.3	3502.7
5°	332.7	434.9	563.2	850.0	1129.5	1258.8	1990.8	2782.2	3116.7	3431.2	4002.6
2.5°	374.0	479.6	622.9	946.8	1237.7	1366.5	2142.5	3013.1	3377.8	3768.0	4380.3
0°	410.5	521.9	679.2	1035.1	1336.5	1469.7	2262.4	3212.3	3590.1	4033.4	4655.8
-2.5°	418.2	538.7	699.2	1033.8	1323.3	1467.1	2274.0	3221.1	3663.2	4131.8	4740.9
-5°	420.3	552.1	714.6	1023.5	1301.3	1458.6	2250.5	3188.6	3675.3	4107.9	4656.4
-7.5°	417.3	561.7	725.2	1003.2	1258.5	1410.2	2117.8	2991.0	3483.2	3860.0	4375.8
-10°	409.8	560.4	713.3	957.6	1190.2	1336.6	1936.2	2763.0	3283.1	3607.5	4056.9
-12.5°	396.7	549.9	694.5	908.6	1121.2	1261.6	1724.7	2510.4	3080.4	3357.3	3720.9
-15°	382.1	537.5	672.3	858.1	1053.7	1186.0	1484.6	2238.0	2887.1	3169.2	3439.4
-17.5°	366.8	523.5	647.0	807.5	990.0	1111.1	1225.3	1948.4	2642.8	2977.4	3238.4
-20°	351.7	508.1	619.0	758.3	929.9	1053.0	1146.7	1655.1	2299.4	2764.9	3027.0



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	337.8	491.7	592.4	720.2	877.0	1006.7	1101.8	1368.0	1937.0	2533.8	2817.1
-25°	332.6	468.1	570.7	686.8	826.3	960.1	1058.0	1124.5	1594.7	2185.5	2617.1
-27.5°	332.8	448.4	549.9	650.9	775.7	910.4	1008.0	1076.7	1334.5	1843.1	2391.6
-30°	329.9	424.6	527.1	616.1	731.4	853.1	956.4	1051.1	1132.7	1539.9	2023.9
-32.5°	317.4	399.5	499.4	588.8	686.9	797.9	914.1	1015.5	1104.0	1236.4	1675.0
-35°	300.6	378.9	469.4	559.5	641.7	748.7	862.9	973.8	1067.8	1150.0	1350.1
-37.5°	285.2	355.4	438.4	527.2	607.9	699.7	807.8	919.1	1020.0	1117.7	1208.1
-40°	267.7	329.3	408.8	492.4	572.9	653.1	750.8	855.8	962.2	1074.9	1183.8
-42.5°	247.6	307.5	377.3	456.0	532.5	611.0	691.2	789.9	897.0	1016.1	1129.6
-45°	221.1	283.6	344.3	415.2	487.6	563.9	641.2	720.8	824.2	934.1	1052.9
-47.5°	192.3	255.8	314.8	371.7	439.8	510.9	586.1	664.3	746.0	846.1	952.7
-50°	162.2	221.4	281.2	332.6	389.7	455.3	524.4	602.0	679.9	758.5	849.2
-52.5°	132.9	184.5	240.6	293.9	343.2	398.1	462.2	532.5	606.9	682.4	752.5
-55°	101.9	148.7	197.2	249.3	299.1	345.8	397.5	460.6	527.2	597.2	661.4
-57.5°	76.8	112.2	155.3	200.7	248.9	296.3	341.4	387.1	444.6	506.4	561.4
-60°	55.2	80.9	113.9	153.9	195.1	239.8	285.2	327.8	369.8	410.3	459.6
-62.5°	36.2	56.3	79.5	107.5	144.1	181.8	222.0	263.1	304.0	339.1	371.5
-65°	31.7	36.4	52.1	73.1	93.9	127.9	162.0	194.7	230.6	262.9	294.1
-67.5°	27.1	31.4	35.5	42.9	61.7	82.8	104.9	134.8	163.3	186.5	209.6
-70°	24.1	26.6	30.1	33.8	37.7	46.3	64.8	84.1	103.1	120.9	140.7
-72.5°	21.2	23.5	25.7	27.9	31.4	35.4	39.5	43.9	54.5	68.8	82.5
-75°	18.8	20.4	22.4	24.3	26.5	28.9	31.6	35.2	38.6	41.5	44.2
-77.5°	16.7	17.9	19.2	20.7	22.4	24.3	26.2	28.4	30.6	32.9	35.3
-80°	14.6	15.3	16.1	17.1	18.5	20.0	21.4	22.7	24.0	25.6	27.3
-82.5°	12.6	13.1	13.6	14.1	14.9	15.9	17.0	18.2	18.6	19.0	19.6
-85°	10.7	10.9	11.2	11.5	12.0	12.5	13.0	13.6	13.8	13.8	13.8
-87.5°	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.3	10.5	10.6	10.8
-90°	8.2	7.7	7.1	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6



REPORT NUMBER: P731604 (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°	10.9	11.4	12.0	12.5	13.1	18.0	22.9	27.9	32.8	41.0	49.1
87.5°	6.6	6.1	5.5	5.0	4.4	3.9	3.3	2.8	2.2	2.2	2.2
85°	6.6	6.1	5.5	5.0	4.4	4.3	4.3	4.2	4.3	3.8	3.3
82.5°	6.6	6.1	5.5	5.0	4.4	4.4	4.4	4.4	4.4	3.9	3.3
80°	6.7	6.3	6.1	5.9	5.8	5.6	5.3	4.9	4.4	4.4	4.3
77.5°	6.9	7.0	7.0	6.9	6.7	6.2	5.6	5.0	4.5	4.4	4.4
75°	8.5	8.7	8.9	8.6	7.9	7.3	7.0	6.6	6.2	5.9	5.5
72.5°	15.3	15.4	14.7	14.1	12.8	12.2	12.3	12.1	11.8	11.6	11.4
70°	28.0	28.5	27.4	24.7	20.9	18.4	17.1	15.6	13.8	13.0	13.0
67.5°	39.8	36.5	32.9	29.2	24.5	20.5	18.2	16.0	14.0	12.8	12.3
65°	43.7	35.7	29.8	25.2	21.6	18.6	16.1	13.6	11.3	9.7	9.3
62.5°	38.0	28.3	22.6	19.1	16.5	14.9	12.4	10.3	8.4	7.3	7.6
60°	30.9	21.0	15.5	13.6	12.0	10.9	9.6	8.3	7.3	6.6	6.7
57.5°	23.1	15.2	10.9	10.6	10.0	9.1	8.4	7.8	7.2	6.6	6.6
55°	15.9	12.6	11.0	10.3	9.7	9.1	8.5	7.9	7.3	6.6	6.6
52.5°	12.5	11.4	11.0	10.5	9.9	9.3	8.6	8.0	7.4	6.7	6.6
50°	11.4	11.0	11.1	10.7	10.1	9.4	8.8	8.4	8.3	8.0	8.1
47.5°	11.7	12.0	11.8	11.0	10.5	10.6	10.7	10.7	10.8	10.4	10.2
45°	13.4	13.4	13.3	13.2	12.6	13.8	14.6	14.7	17.1	16.2	13.6
42.5°	16.7	17.4	18.4	19.5	18.0	23.1	30.9	36.3	31.0	24.5	20.6
40°	25.2	25.8	31.4	34.3	40.6	47.8	43.6	36.4	32.5	34.7	35.9
37.5°	39.7	46.4	55.6	65.7	63.2	52.4	53.6	53.5	51.6	56.1	56.4
35°	64.9	81.3	89.0	91.4	86.9	83.5	86.5	89.5	82.8	93.4	96.8
32.5°	106.0	126.0	130.6	125.8	126.3	133.7	139.2	149.1	159.1	175.0	194.0
30°	156.4	177.9	188.2	178.7	180.8	198.2	209.4	232.1	268.3	309.7	361.2
27.5°	231.7	247.7	266.0	268.7	260.0	285.5	325.4	349.3	446.6	511.0	627.1
25°	331.1	355.9	372.1	399.4	414.1	444.9	521.4	595.0	744.5	890.1	1137.2
22.5°	461.6	541.3	570.5	566.3	652.4	735.3	800.4	1006.5	1301.1	1732.3	2217.6
20°	634.0	797.7	936.7	981.9	1012.5	1230.9	1455.7	2095.4	2828.8	4052.6	5004.2
17.5°	1142.7	1196.5	1502.1	1750.7	1869.0	2331.8	3380.9	4991.2	7758.9	11545.9	13874.2
15°	1907.8	2061.5	2367.8	2893.8	3544.8	4771.6	6522.8	11656.5	18754.8	26511.8	33896.9
12.5°	2752.6	3073.3	3634.4	4409.1	5442.7	8942.8	14594.8	24253.4	37394.5	50833.8	67974.2
10°	3536.6	4181.4	5102.5	6410.1	9063.7	15043.4	24557.0	40975.0	64252.2	88523.8	112771.9
7.5°	4176.2	5098.7	6445.6	8404.3	13160.4	22760.7	38362.9	62552.7	92397.8	123624.4	156501.1
5°	4822.0	5989.9	7612.2	9982.0	15844.8	28722.9	49475.6	82592.2	121107.5	160453.9	201886.0
2.5°	5381.9	6748.2	8626.4	11395.1	17650.1	31949.9	56179.4	96958.0	142178.9	189263.3	242033.7
0°	5795.7	7186.8	9182.7	12063.1	19429.0	34462.0	60103.8	101204.5	147199.0	195808.5	249742.1
-2.5°	5738.1	6996.1	8805.3	11663.8	18810.8	34008.8	57652.6	97708.2	142723.5	188290.4	236392.0
-5°	5476.0	6570.0	8191.1	10749.7	16676.3	29506.9	51736.7	88652.2	130510.5	172151.2	214949.9
-7.5°	5076.4	6022.9	7443.8	9641.8	14215.0	24318.2	42792.3	71669.6	107656.4	143245.1	176260.4
-10°	4663.7	5434.6	6586.3	8323.1	11585.3	18644.8	31708.9	53296.9	83224.4	112532.7	137833.1
-12.5°	4275.7	4849.8	5668.8	6878.1	8888.8	13957.9	23822.0	39572.3	59563.0	82096.6	104004.2
-15°	3913.7	4338.3	4926.5	5901.8	7511.0	10517.7	15872.8	26369.0	40430.3	56159.1	71303.1
-17.5°	3582.0	3932.0	4391.0	5077.7	6074.8	7934.1	11685.5	17686.5	26176.2	37364.1	47822.1
-20°	3284.7	3601.7	3945.1	4459.5	5225.2	6319.6	8166.5	11891.9	16790.9	23842.6	30758.9



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3051.9	3300.9	3567.7	3961.3	4599.6	5375.6	6293.7	7820.0	10516.4	14133.5	18229.8
-25°	2839.2	3023.5	3300.4	3723.9	4161.2	4678.8	5235.5	5847.7	7044.1	8207.4	10352.0
-27.5°	2636.9	2831.4	3119.8	3502.0	3900.9	4142.6	4498.7	4876.8	5449.1	5954.2	6808.6
-30°	2468.2	2672.5	2917.3	3239.8	3575.7	3803.3	3988.6	4262.2	4579.6	4896.4	5263.9
-32.5°	2151.1	2540.8	2710.5	2956.5	3258.9	3498.4	3662.4	3865.6	4035.2	4232.1	4431.8
-35°	1804.3	2234.1	2585.1	2744.2	2953.3	3219.7	3452.8	3616.0	3747.4	3868.9	3983.3
-37.5°	1411.8	1858.8	2242.0	2564.7	2756.1	2934.6	3181.8	3401.4	3559.4	3643.0	3717.4
-40°	1262.4	1391.5	1796.4	2166.5	2454.5	2734.0	2926.7	3141.9	3324.6	3440.0	3526.4
-42.5°	1236.9	1303.2	1355.5	1636.0	1985.5	2284.9	2539.9	2791.1	3014.2	3179.7	3313.3
-45°	1167.9	1246.7	1320.3	1372.1	1425.9	1690.6	1975.3	2252.6	2504.5	2729.9	2926.9
-47.5°	1056.3	1150.5	1229.0	1304.3	1362.8	1408.9	1462.2	1550.6	1786.5	2018.1	2238.0
-50°	935.2	1020.4	1105.6	1186.6	1250.1	1305.8	1357.2	1401.1	1445.4	1491.7	1535.7
-52.5°	815.3	891.5	967.3	1038.4	1106.0	1169.7	1229.0	1272.5	1309.8	1342.6	1367.4
-55°	721.0	777.6	832.9	893.2	953.2	1009.5	1061.0	1108.1	1150.9	1189.2	1218.6
-57.5°	616.9	672.5	725.3	770.4	814.3	856.6	900.3	942.1	979.0	1011.0	1037.0
-60°	508.1	555.5	602.6	647.0	689.3	729.1	764.9	797.9	827.6	853.1	872.3
-62.5°	403.1	440.6	482.9	521.5	555.4	587.9	624.8	658.1	687.6	712.1	730.3
-65°	323.6	350.6	381.0	410.9	440.3	471.9	504.0	532.6	557.7	578.2	594.4
-67.5°	235.9	262.3	291.9	318.7	343.5	370.3	401.0	429.3	455.1	475.9	492.8
-70°	159.0	177.8	201.1	226.2	250.5	275.9	304.0	331.0	356.9	376.7	392.7
-72.5°	95.4	107.7	120.2	136.5	153.7	174.7	198.2	221.9	245.4	262.4	275.7
-75°	46.6	51.6	61.9	71.4	80.1	91.3	103.2	114.5	125.0	132.7	138.9
-77.5°	37.8	40.2	42.5	44.8	47.0	51.9	57.8	63.9	70.1	75.0	79.7
-80°	29.0	30.6	32.1	33.8	35.6	39.4	43.4	47.5	51.6	54.7	57.6
-82.5°	20.3	21.1	21.8	22.5	23.1	25.8	28.6	31.3	33.9	36.4	38.8
-85°	13.7	13.9	14.1	14.3	14.5	17.2	20.0	22.9	25.7	28.0	30.3
-87.5°	10.9	11.0	11.0	11.1	11.1	13.5	15.7	18.0	20.1	22.3	24.4
-90°	6.6	6.1	5.5	5.0	4.4	3.9	3.3	2.8	2.2	1.7	1.1



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	57.3	65.5	60.0	54.6	60.0	65.5	57.3	49.1	41.0	32.8	27.9
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
85°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.2
82.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	4.4
80°	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.4	4.4	4.9
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	5.0
75°	5.0	4.4	5.5	6.6	5.5	4.4	5.0	5.5	5.9	6.2	6.6
72.5°	11.1	10.8	10.9	10.9	10.9	10.8	11.1	11.4	11.6	11.8	12.1
70°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	13.0	13.0	13.8	15.6
67.5°	11.7	11.1	10.9	10.9	10.9	11.1	11.7	12.3	12.8	14.0	16.0
65°	9.0	8.8	8.7	8.7	8.7	8.8	9.0	9.3	9.7	11.3	13.6
62.5°	8.1	8.6	8.7	8.7	8.7	8.6	8.1	7.6	7.3	8.4	10.3
60°	6.8	6.7	6.6	6.6	6.6	6.7	6.8	6.7	6.6	7.3	8.3
57.5°	6.6	6.6	7.4	8.7	7.4	6.6	6.6	6.6	6.6	7.2	7.8
55°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.3	7.9
52.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	7.4	8.0
50°	8.4	8.5	8.7	8.7	8.7	8.5	8.4	8.1	8.0	8.3	8.4
47.5°	10.5	10.7	10.2	8.7	10.2	10.7	10.5	10.2	10.4	10.8	10.7
45°	13.7	13.3	13.0	13.1	13.0	13.3	13.7	13.6	16.2	17.1	14.7
42.5°	21.3	21.5	21.6	21.8	21.6	21.5	21.3	20.6	24.5	31.0	36.3
40°	37.8	38.6	38.8	39.3	38.8	38.6	37.8	35.9	34.7	32.5	36.4
37.5°	57.1	58.1	58.4	59.0	58.4	58.1	57.1	56.4	56.1	51.6	53.5
35°	96.4	96.1	92.8	93.9	92.8	96.1	96.4	96.8	93.4	82.8	89.5
32.5°	207.0	208.6	197.9	181.3	197.9	208.6	207.0	194.0	175.0	159.1	149.1
30°	400.1	434.3	457.3	458.6	457.3	434.3	400.1	361.2	309.7	268.3	232.1
27.5°	704.7	758.0	780.6	792.7	780.6	758.0	704.7	627.1	511.0	446.6	349.3
25°	1331.4	1453.5	1519.6	1469.7	1519.6	1453.5	1331.4	1137.2	890.1	744.5	595.0
22.5°	2679.1	2912.6	3111.7	3122.8	3111.7	2912.6	2679.1	2217.6	1732.3	1301.1	1006.5
20°	6327.0	6273.9	6777.2	6525.1	6777.2	6273.9	6327.0	5004.2	4052.6	2828.8	2095.4
17.5°	17946.2	19931.3	21028.4	19527.2	21028.4	19931.3	17946.2	13874.2	11545.9	7758.9	4991.2
15°	41257.6	46209.7	49560.5	49132.6	49560.5	46209.7	41257.6	33896.9	26511.8	18754.8	11656.5
12.5°	77574.9	85712.7	92649.0	92358.1	92649.0	85712.7	77574.9	67974.2	50833.8	37394.5	24253.4
10°	134375.0	148562.6	161784.8	163162.3	161784.8	148562.6	134375.0	112771.9	88523.8	64252.2	40975.0
7.5°	186705.7	218654.5	237698.8	242584.8	237698.8	218654.5	186705.7	156501.1	123624.4	92397.8	62552.7
5°	252232.8	289230.8	309246.2	309780.4	309246.2	289230.8	252232.8	201886.0	160453.9	121107.5	82592.2
2.5°	300741.0	342416.7	366992.9	386008.0	366992.9	342416.7	300741.0	242033.7	189263.3	142178.9	96958.0
0°	315167.7	351108.1	391210.9	413507.1	391210.9	351108.1	315167.7	249742.1	195808.5	147199.0	101204.5
-2.5°	295836.7	333465.7	353373.1	371508.9	353373.1	333465.7	295836.7	236392.0	188290.4	142723.5	97708.2
-5°	259112.6	298967.9	318094.8	322177.6	318094.8	298967.9	259112.6	214949.9	172151.2	130510.5	88652.2
-7.5°	206176.3	234227.9	253591.9	261186.1	253591.9	234227.9	206176.3	176260.4	143245.1	107656.4	71669.6
-10°	161361.2	179475.0	189165.2	195608.7	189165.2	179475.0	161361.2	137833.1	112532.7	83224.4	53296.9
-12.5°	121661.7	134756.0	142355.6	145663.8	142355.6	134756.0	121661.7	104004.2	82096.6	59563.0	39572.3
-15°	86598.0	96959.4	102105.4	105382.0	102105.4	96959.4	86598.0	71303.1	56159.1	40430.3	26369.0
-17.5°	59331.1	67662.4	72411.0	75499.4	72411.0	67662.4	59331.1	47822.1	37364.1	26176.2	17686.5
-20°	37961.6	42922.3	46576.2	47641.0	46576.2	42922.3	37961.6	30758.9	23842.6	16790.9	11891.9



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	22179.7	25100.5	26940.6	27358.2	26940.6	25100.5	22179.7	18229.8	14133.5	10516.4	7820.0
-25°	12059.7	13332.3	14297.6	14624.7	14297.6	13332.3	12059.7	10352.0	8207.4	7044.1	5847.7
-27.5°	7405.8	7897.9	8254.5	8438.1	8254.5	7897.9	7405.8	6808.6	5954.2	5449.1	4876.8
-30°	5570.3	5794.8	5928.7	6018.5	5928.7	5794.8	5570.3	5263.9	4896.4	4579.6	4262.2
-32.5°	4573.5	4674.0	4734.5	4775.9	4734.5	4674.0	4573.5	4431.8	4232.1	4035.2	3865.6
-35°	4073.8	4139.0	4183.8	4205.9	4183.8	4139.0	4073.8	3983.3	3868.9	3747.4	3616.0
-37.5°	3772.7	3813.9	3843.7	3860.9	3843.7	3813.9	3772.7	3717.4	3643.0	3559.4	3401.4
-40°	3567.5	3596.4	3620.3	3646.9	3620.3	3596.4	3567.5	3526.4	3440.0	3324.6	3141.9
-42.5°	3380.4	3423.2	3444.8	3450.4	3444.8	3423.2	3380.4	3313.3	3179.7	3014.2	2791.1
-45°	3077.7	3196.6	3269.7	3293.1	3269.7	3196.6	3077.7	2926.9	2729.9	2504.5	2252.6
-47.5°	2440.3	2618.2	2752.5	2834.5	2752.5	2618.2	2440.3	2238.0	2018.1	1786.5	1550.6
-50°	1576.8	1614.4	1629.2	1620.4	1629.2	1614.4	1576.8	1535.7	1491.7	1445.4	1401.1
-52.5°	1386.9	1402.0	1414.6	1423.8	1414.6	1402.0	1386.9	1367.4	1342.6	1309.8	1272.5
-55°	1241.7	1258.8	1274.8	1288.4	1274.8	1258.8	1241.7	1218.6	1189.2	1150.9	1108.1
-57.5°	1058.7	1076.0	1082.4	1081.0	1082.4	1076.0	1058.7	1037.0	1011.0	979.0	942.1
-60°	888.0	900.2	909.4	915.0	909.4	900.2	888.0	872.3	853.1	827.6	797.9
-62.5°	744.6	755.3	767.2	777.4	767.2	755.3	744.6	730.3	712.1	687.6	658.1
-65°	608.1	619.5	628.5	635.5	628.5	619.5	608.1	594.4	578.2	557.7	532.6
-67.5°	507.9	521.3	531.4	539.4	531.4	521.3	507.9	492.8	475.9	455.1	429.3
-70°	407.5	420.8	428.9	434.6	428.9	420.8	407.5	392.7	376.7	356.9	331.0
-72.5°	287.2	296.8	301.4	303.5	301.4	296.8	287.2	275.7	262.4	245.4	221.9
-75°	144.4	149.1	153.5	157.2	153.5	149.1	144.4	138.9	132.7	125.0	114.5
-77.5°	84.3	88.8	91.5	93.9	91.5	88.8	84.3	79.7	75.0	70.1	63.9
-80°	60.3	62.9	65.4	67.7	65.4	62.9	60.3	57.6	54.7	51.6	47.5
-82.5°	41.2	43.6	44.8	45.9	44.8	43.6	41.2	38.8	36.4	33.9	31.3
-85°	32.6	34.8	36.0	37.1	36.0	34.8	32.6	30.3	28.0	25.7	22.9
-87.5°	26.5	28.5	29.5	30.6	29.5	28.5	26.5	24.4	22.3	20.1	18.0
-90°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.8



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.9	18.0	13.1	12.5	12.0	11.4	10.9	10.3	9.8	9.3	8.7
87.5°	3.3	3.9	4.4	5.0	5.5	6.1	6.6	6.6	6.6	6.6	6.6
85°	4.3	4.3	4.4	5.0	5.5	6.1	6.6	6.6	6.6	6.6	6.6
82.5°	4.4	4.4	4.4	5.0	5.5	6.1	6.6	6.8	6.9	6.9	6.9
80°	5.3	5.6	5.8	5.9	6.1	6.3	6.7	7.2	7.7	8.2	8.3
77.5°	5.6	6.2	6.7	6.9	7.0	7.0	6.9	7.3	7.8	8.3	8.7
75°	7.0	7.3	7.9	8.6	8.9	8.7	8.5	8.3	8.3	8.5	8.7
72.5°	12.3	12.2	12.8	14.1	14.7	15.4	15.3	14.1	12.5	10.3	8.7
70°	17.1	18.4	20.9	24.7	27.4	28.5	28.0	25.9	22.3	19.5	15.6
67.5°	18.2	20.5	24.5	29.2	32.9	36.5	39.8	42.6	41.4	37.3	26.9
65°	16.1	18.6	21.6	25.2	29.8	35.7	43.7	48.5	51.2	51.8	43.0
62.5°	12.4	14.9	16.5	19.1	22.6	28.3	38.0	46.6	54.3	56.6	48.2
60°	9.6	10.9	12.0	13.6	15.5	21.0	30.9	41.2	52.1	52.4	48.5
57.5°	8.4	9.1	10.0	10.6	10.9	15.2	23.1	33.5	44.8	44.7	43.3
55°	8.5	9.1	9.7	10.3	11.0	12.6	15.9	22.7	32.1	34.4	34.2
52.5°	8.6	9.3	9.9	10.5	11.0	11.4	12.5	16.4	19.8	23.6	25.3
50°	8.8	9.4	10.1	10.7	11.1	11.0	11.4	12.5	14.5	16.8	18.4
47.5°	10.7	10.6	10.5	11.0	11.8	12.0	11.7	11.5	12.8	13.3	14.9
45°	14.6	13.8	12.6	13.2	13.3	13.4	13.4	14.0	13.6	13.7	13.1
42.5°	30.9	23.1	18.0	19.5	18.4	17.4	16.7	18.0	17.3	15.7	16.8
40°	43.6	47.8	40.6	34.3	31.4	25.8	25.2	23.9	23.0	20.2	23.3
37.5°	53.6	52.4	63.2	65.7	55.6	46.4	39.7	34.6	30.8	31.5	33.3
35°	86.5	83.5	86.9	91.4	89.0	81.3	64.9	51.5	44.9	45.8	45.7
32.5°	139.2	133.7	126.3	125.8	130.6	126.0	106.0	79.5	68.6	64.4	60.7
30°	209.4	198.2	180.8	178.7	188.2	177.9	156.4	137.8	114.0	86.7	78.1
27.5°	325.4	285.5	260.0	268.7	266.0	247.7	231.7	212.8	172.4	130.0	105.1
25°	521.4	444.9	414.1	399.4	372.1	355.9	331.1	298.1	250.1	196.5	172.1
22.5°	800.4	735.3	652.4	566.3	570.5	541.3	461.6	392.7	375.3	375.6	296.9
20°	1455.7	1230.9	1012.5	981.9	936.7	797.7	634.0	623.2	684.0	628.2	464.2
17.5°	3380.9	2331.8	1869.0	1750.7	1502.1	1196.5	1142.7	1085.9	1051.4	941.5	664.2
15°	6522.8	4771.6	3544.8	2893.8	2367.8	2061.5	1907.8	1614.5	1476.1	1289.8	962.1
12.5°	14594.8	8942.8	5442.7	4409.1	3634.4	3073.3	2752.6	2310.7	1958.6	1733.9	1407.6
10°	24557.0	15043.4	9063.7	6410.1	5102.5	4181.4	3536.6	2949.0	2467.3	2207.2	1866.3
7.5°	38362.9	22760.7	13160.4	8404.3	6445.6	5098.7	4176.2	3502.7	2958.3	2668.6	2328.6
5°	49475.6	28722.9	15844.8	9982.0	7612.2	5989.9	4822.0	4002.6	3431.2	3116.7	2782.2
2.5°	56179.4	31949.9	17650.1	11395.1	8626.4	6748.2	5381.9	4380.3	3768.0	3377.8	3013.1
0°	60103.8	34462.0	19429.0	12063.1	9182.7	7186.8	5795.7	4655.8	4033.4	3590.1	3212.3
-2.5°	57652.6	34008.8	18810.8	11663.8	8805.3	6996.1	5738.1	4740.9	4131.8	3663.2	3221.1
-5°	51736.7	29506.9	16676.3	10749.7	8191.1	6570.0	5476.0	4656.4	4107.9	3675.3	3188.6
-7.5°	42792.3	24318.2	14215.0	9641.8	7443.8	6022.9	5076.4	4375.8	3860.0	3483.2	2991.0
-10°	31708.9	18644.8	11585.3	8323.1	6586.3	5434.6	4663.7	4056.9	3607.5	3283.1	2763.0
-12.5°	23822.0	13957.9	8888.8	6878.1	5668.8	4849.8	4275.7	3720.9	3357.3	3080.4	2510.4
-15°	15872.8	10517.7	7511.0	5901.8	4926.5	4338.3	3913.7	3439.4	3169.2	2887.1	2238.0
-17.5°	11685.5	7934.1	6074.8	5077.7	4391.0	3932.0	3582.0	3238.4	2977.4	2642.8	1948.4
-20°	8166.5	6319.6	5225.2	4459.5	3945.1	3601.7	3284.7	3027.0	2764.9	2299.4	1655.1



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6293.7	5375.6	4599.6	3961.3	3567.7	3300.9	3051.9	2817.1	2533.8	1937.0	1368.0
-25°	5235.5	4678.8	4161.2	3723.9	3300.4	3023.5	2839.2	2617.1	2185.5	1594.7	1124.5
-27.5°	4498.7	4142.6	3900.9	3502.0	3119.8	2831.4	2636.9	2391.6	1843.1	1334.5	1076.7
-30°	3988.6	3803.3	3575.7	3239.8	2917.3	2672.5	2468.2	2023.9	1539.9	1132.7	1051.1
-32.5°	3662.4	3498.4	3258.9	2956.5	2710.5	2540.8	2151.1	1675.0	1236.4	1104.0	1015.5
-35°	3452.8	3219.7	2953.3	2744.2	2585.1	2234.1	1804.3	1350.1	1150.0	1067.8	973.8
-37.5°	3181.8	2934.6	2756.1	2564.7	2242.0	1858.8	1411.8	1208.1	1117.7	1020.0	919.1
-40°	2926.7	2734.0	2454.5	2166.5	1796.4	1391.5	1262.4	1183.8	1074.9	962.2	855.8
-42.5°	2539.9	2284.9	1985.5	1636.0	1355.5	1303.2	1236.9	1129.6	1016.1	897.0	789.9
-45°	1975.3	1690.6	1425.9	1372.1	1320.3	1246.7	1167.9	1052.9	934.1	824.2	720.8
-47.5°	1462.2	1408.9	1362.8	1304.3	1229.0	1150.5	1056.3	952.7	846.1	746.0	664.3
-50°	1357.2	1305.8	1250.1	1186.6	1105.6	1020.4	935.2	849.2	758.5	679.9	602.0
-52.5°	1229.0	1169.7	1106.0	1038.4	967.3	891.5	815.3	752.5	682.4	606.9	532.5
-55°	1061.0	1009.5	953.2	893.2	832.9	777.6	721.0	661.4	597.2	527.2	460.6
-57.5°	900.3	856.6	814.3	770.4	725.3	672.5	616.9	561.4	506.4	444.6	387.1
-60°	764.9	729.1	689.3	647.0	602.6	555.5	508.1	459.6	410.3	369.8	327.8
-62.5°	624.8	587.9	555.4	521.5	482.9	440.6	403.1	371.5	339.1	304.0	263.1
-65°	504.0	471.9	440.3	410.9	381.0	350.6	323.6	294.1	262.9	230.6	194.7
-67.5°	401.0	370.3	343.5	318.7	291.9	262.3	235.9	209.6	186.5	163.3	134.8
-70°	304.0	275.9	250.5	226.2	201.1	177.8	159.0	140.7	120.9	103.1	84.1
-72.5°	198.2	174.7	153.7	136.5	120.2	107.7	95.4	82.5	68.8	54.5	43.9
-75°	103.2	91.3	80.1	71.4	61.9	51.6	46.6	44.2	41.5	38.6	35.2
-77.5°	57.8	51.9	47.0	44.8	42.5	40.2	37.8	35.3	32.9	30.6	28.4
-80°	43.4	39.4	35.6	33.8	32.1	30.6	29.0	27.3	25.6	24.0	22.7
-82.5°	28.6	25.8	23.1	22.5	21.8	21.1	20.3	19.6	19.0	18.6	18.2
-85°	20.0	17.2	14.5	14.3	14.1	13.9	13.7	13.8	13.8	13.8	13.6
-87.5°	15.7	13.5	11.1	11.1	11.0	11.0	10.9	10.8	10.6	10.5	10.3
-90°	3.3	3.9	4.4	5.0	5.5	6.1	6.6	6.6	6.6	6.6	6.6



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	7.0	7.3	7.6	7.8	8.0	8.2	8.4	8.7	8.7	8.7	8.7
85°	7.1	7.7	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	7.2	7.7	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.2	8.3	8.5	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	9.0	9.3	9.3	9.1	8.7	8.7	8.7	8.7
70°	11.9	9.3	8.7	8.9	9.4	10.0	9.9	9.4	8.7	8.7	8.7
67.5°	17.6	13.4	10.5	8.9	9.0	9.6	10.6	10.3	9.5	8.7	8.7
65°	30.8	20.6	12.9	10.7	9.2	8.9	9.8	10.7	10.3	9.4	8.7
62.5°	39.7	30.4	20.7	13.7	10.2	9.0	8.9	10.1	10.8	10.1	9.1
60°	43.7	34.9	27.9	20.6	13.4	9.2	8.9	9.5	10.5	10.8	9.7
57.5°	40.0	37.2	31.8	25.9	19.0	11.8	9.0	9.5	10.2	10.8	10.3
55°	33.8	32.7	33.5	29.1	23.2	16.3	10.5	9.6	10.1	10.7	10.8
52.5°	25.1	28.7	31.9	30.8	25.7	20.0	13.9	9.7	10.2	10.7	10.9
50°	18.5	23.9	29.9	31.3	27.7	22.2	16.8	11.8	10.3	10.8	11.0
47.5°	17.1	21.7	26.6	31.6	29.7	24.3	18.8	13.6	10.5	10.9	11.2
45°	17.6	21.4	25.1	29.5	31.5	25.9	20.6	15.0	11.6	11.1	11.4
42.5°	19.5	22.9	25.6	28.1	30.2	27.0	22.3	16.5	12.3	11.4	11.6
40°	25.3	25.8	27.2	29.6	29.2	27.7	23.0	17.9	12.8	11.9	11.9
37.5°	32.9	31.6	30.8	34.0	30.4	27.7	23.3	19.2	14.1	12.8	12.3
35°	43.9	40.2	38.3	40.9	36.7	28.4	23.3	19.9	16.4	13.8	12.7
32.5°	56.6	54.1	51.8	48.9	45.3	30.0	23.8	21.8	18.8	14.8	13.1
30°	76.0	79.0	68.3	58.0	55.1	38.0	26.9	24.2	21.2	15.8	13.7
27.5°	118.8	111.8	89.3	72.6	63.8	49.0	33.6	27.0	23.7	17.3	14.5
25°	174.2	155.4	121.6	90.5	73.1	79.3	41.4	30.4	26.1	19.3	15.4
22.5°	240.9	208.7	159.1	110.0	115.3	119.0	58.2	36.6	28.7	21.3	16.3
20°	316.1	270.0	214.7	183.0	168.5	156.8	87.4	43.5	31.4	23.3	17.1
17.5°	410.8	384.5	348.7	278.4	229.1	198.6	121.6	50.9	34.4	25.3	18.0
15°	672.6	560.7	497.2	385.1	293.9	243.5	159.6	58.7	37.4	27.1	18.9
12.5°	988.4	740.3	656.4	500.5	361.8	290.8	200.1	66.6	40.5	29.3	20.1
10°	1326.6	922.2	823.0	621.5	431.6	339.6	241.9	76.3	45.7	31.6	21.4
7.5°	1675.9	1104.7	993.1	745.0	501.0	388.3	287.9	89.9	51.3	33.7	22.7
5°	1990.8	1258.8	1129.5	850.0	563.2	434.9	332.7	103.4	57.0	35.7	23.9
2.5°	2142.5	1366.5	1237.7	946.8	622.9	479.6	374.0	116.5	62.5	37.6	25.1
0°	2262.4	1469.7	1336.5	1035.1	679.2	521.9	410.5	128.8	67.7	39.3	26.2
-2.5°	2274.0	1467.1	1323.3	1033.8	699.2	538.7	418.2	147.5	83.2	49.9	31.3
-5°	2250.5	1458.6	1301.3	1023.5	714.6	552.1	420.3	164.8	98.0	60.0	36.1
-7.5°	2117.8	1410.2	1258.5	1003.2	725.2	561.7	417.3	180.6	111.8	69.4	40.5
-10°	1936.2	1336.6	1190.2	957.6	713.3	560.4	409.8	194.8	124.4	77.9	44.4
-12.5°	1724.7	1261.6	1121.2	908.6	694.5	549.9	396.7	207.6	135.7	85.2	47.6
-15°	1484.6	1186.0	1053.7	858.1	672.3	537.5	382.1	218.8	146.0	91.9	50.1
-17.5°	1225.3	1111.1	990.0	807.5	647.0	523.5	366.8	227.7	154.8	98.2	52.9
-20°	1146.7	1053.0	929.9	758.3	619.0	508.1	351.7	234.3	162.1	102.8	55.6



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1101.8	1006.7	877.0	720.2	592.4	491.7	337.8	238.5	167.7	105.8	57.0
-25°	1058.0	960.1	826.3	686.8	570.7	468.1	332.6	240.1	171.6	107.0	57.1
-27.5°	1008.0	910.4	775.7	650.9	549.9	448.4	332.8	243.4	173.3	106.3	55.8
-30°	956.4	853.1	731.4	616.1	527.1	424.6	329.9	244.6	172.1	104.4	53.1
-32.5°	914.1	797.9	686.9	588.8	499.4	399.5	317.4	243.5	168.2	101.1	51.1
-35°	862.9	748.7	641.7	559.5	469.4	378.9	300.6	240.0	161.5	95.7	48.5
-37.5°	807.8	699.7	607.9	527.2	438.4	355.4	285.2	223.9	152.1	88.0	44.6
-40°	750.8	653.1	572.9	492.4	408.8	329.3	267.7	204.1	141.1	78.2	39.5
-42.5°	691.2	611.0	532.5	456.0	377.3	307.5	247.6	182.2	124.0	69.6	33.1
-45°	641.2	563.9	487.6	415.2	344.3	283.6	221.1	158.7	104.8	60.7	28.2
-47.5°	586.1	510.9	439.8	371.7	314.8	255.8	192.3	135.6	84.4	50.1	26.8
-50°	524.4	455.3	389.7	332.6	281.2	221.4	162.2	110.9	69.7	37.1	25.2
-52.5°	462.2	398.1	343.2	293.9	240.6	184.5	132.9	85.7	54.2	31.2	23.2
-55°	397.5	345.8	299.1	249.3	197.2	148.7	101.9	67.6	38.1	28.3	21.2
-57.5°	341.4	296.3	248.9	200.7	155.3	112.2	76.8	48.8	31.8	25.3	19.9
-60°	285.2	239.8	195.1	153.9	113.9	80.9	55.2	34.5	28.4	22.5	18.4
-62.5°	222.0	181.8	144.1	107.5	79.5	56.3	36.2	30.6	24.9	20.7	16.8
-65°	162.0	127.9	93.9	73.1	52.1	36.4	31.7	26.5	22.5	18.8	15.4
-67.5°	104.9	82.8	61.7	42.9	35.5	31.4	27.1	23.7	20.3	16.9	14.3
-70°	64.8	46.3	37.7	33.8	30.1	26.6	24.1	21.2	18.1	15.6	13.2
-72.5°	39.5	35.4	31.4	27.9	25.7	23.5	21.2	18.9	16.6	14.3	12.0
-75°	31.6	28.9	26.5	24.3	22.4	20.4	18.8	17.2	15.1	13.0	11.6
-77.5°	26.2	24.3	22.4	20.7	19.2	17.9	16.7	15.5	13.7	12.3	11.4
-80°	21.4	20.0	18.5	17.1	16.1	15.3	14.6	13.8	12.6	11.7	11.1
-82.5°	17.0	15.9	14.9	14.1	13.6	13.1	12.6	12.0	11.4	11.0	10.7
-85°	13.0	12.5	12.0	11.5	11.2	10.9	10.7	10.6	10.4	10.2	10.0
-87.5°	10.2	10.1	10.0	10.0	9.9	9.8	9.7	9.6	9.5	9.5	9.4
-90°	6.6	6.6	6.6	6.6	7.1	7.7	8.2	8.7	8.7	8.7	8.7



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
67.5°	8.8	8.7	8.7	8.7	8.7	8.7	8.7
65°	8.9	8.8	8.7	8.7	8.7	8.7	8.7
62.5°	9.0	9.0	8.7	8.7	8.7	8.7	8.7
60°	9.1	9.1	8.7	8.7	8.7	8.7	8.7
57.5°	9.5	9.4	8.9	8.7	8.7	8.7	8.7
55°	10.0	9.6	9.1	8.7	8.8	8.7	8.7
52.5°	10.3	9.8	9.4	8.7	8.8	8.7	8.7
50°	10.7	10.1	9.6	8.7	8.8	8.7	8.7
47.5°	10.9	10.3	9.9	8.7	8.9	8.7	8.7
45°	11.1	10.5	10.1	9.0	9.0	8.7	8.7
42.5°	11.3	10.6	10.4	9.2	9.0	8.7	8.7
40°	11.6	10.8	10.6	9.4	9.1	8.7	8.7
37.5°	11.8	10.9	10.7	9.6	9.2	8.7	8.7
35°	12.1	11.0	10.8	9.9	9.3	8.7	8.7
32.5°	12.5	11.3	10.8	10.1	9.4	8.7	8.7
30°	12.8	11.5	10.9	10.2	9.5	8.7	8.7
27.5°	13.2	11.8	10.9	10.4	9.6	8.7	8.7
25°	13.6	12.0	10.9	10.5	9.7	8.7	8.7
22.5°	14.0	12.3	10.9	10.6	9.8	8.7	8.7
20°	14.4	12.4	10.9	10.7	10.0	8.7	8.7
17.5°	14.7	12.6	10.9	10.8	10.1	8.7	8.7
15°	14.8	12.7	10.9	10.8	10.2	8.7	8.7
12.5°	15.0	12.8	10.9	10.8	10.3	8.7	8.7
10°	15.1	12.9	10.9	10.9	10.5	8.7	8.7
7.5°	15.2	13.0	10.9	10.9	10.6	8.7	8.7
5°	15.2	13.1	10.9	10.9	10.7	8.7	8.7
2.5°	15.3	13.1	10.9	10.9	10.8	8.7	8.7
0°	15.3	13.1	10.9	10.9	10.8	8.7	8.7
-2.5°	17.3	13.6	11.1	10.9	10.9	8.7	8.7
-5°	19.3	14.0	11.3	10.9	10.9	8.7	8.7
-7.5°	21.1	14.4	11.5	10.9	10.9	8.7	8.7
-10°	22.7	14.8	11.6	10.9	10.8	8.7	8.7
-12.5°	24.1	15.1	11.8	10.9	10.8	8.7	8.7
-15°	25.2	15.4	11.9	10.9	10.7	8.7	8.7
-17.5°	25.9	15.5	12.0	10.9	10.7	8.7	8.7
-20°	26.7	15.7	12.0	10.9	10.6	8.7	8.7



REPORT NUMBER: P731604 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.5	15.7	12.1	10.9	10.6	8.7	8.7
-25°	27.6	15.8	12.1	10.9	10.5	8.7	8.7
-27.5°	27.0	16.0	12.0	10.9	10.4	8.7	8.7
-30°	25.7	15.9	11.9	10.9	10.3	8.7	8.7
-32.5°	23.5	15.8	12.0	10.9	10.2	8.7	8.7
-35°	22.5	15.6	11.9	10.9	10.1	8.7	8.7
-37.5°	22.1	15.3	11.8	10.9	10.0	8.7	8.7
-40°	21.6	15.2	11.7	10.9	9.9	8.7	8.7
-42.5°	20.8	14.9	11.6	10.9	9.7	8.7	8.7
-45°	19.9	14.6	11.7	10.9	9.6	8.7	8.7
-47.5°	18.7	14.3	11.6	10.9	9.5	8.7	8.7
-50°	18.0	13.8	11.6	10.7	9.3	8.7	8.7
-52.5°	17.2	13.2	11.5	10.5	9.2	8.7	8.7
-55°	16.4	12.9	11.3	10.4	9.0	8.7	8.7
-57.5°	15.4	12.6	11.1	10.2	8.9	8.7	8.7
-60°	14.4	12.2	10.9	10.0	8.7	8.7	8.7
-62.5°	13.6	11.7	10.7	9.8	8.7	8.7	8.7
-65°	12.8	11.2	10.5	9.6	8.7	8.7	8.7
-67.5°	12.0	10.8	10.3	9.4	8.7	8.7	8.7
-70°	11.0	10.7	10.1	9.2	8.7	8.7	8.7
-72.5°	10.9	10.6	9.9	9.1	8.7	8.7	8.7
-75°	10.9	10.4	9.8	9.1	8.7	8.7	8.7
-77.5°	10.8	10.3	9.6	9.0	8.7	8.7	8.7
-80°	10.9	10.1	9.4	9.0	8.7	8.7	8.7
-82.5°	10.4	9.8	9.3	8.9	8.7	8.7	8.7
-85°	9.8	9.4	9.1	8.8	8.7	8.7	8.7
-87.5°	9.3	9.1	8.9	8.8	8.7	8.7	8.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7

(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

