

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: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-4S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-4S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

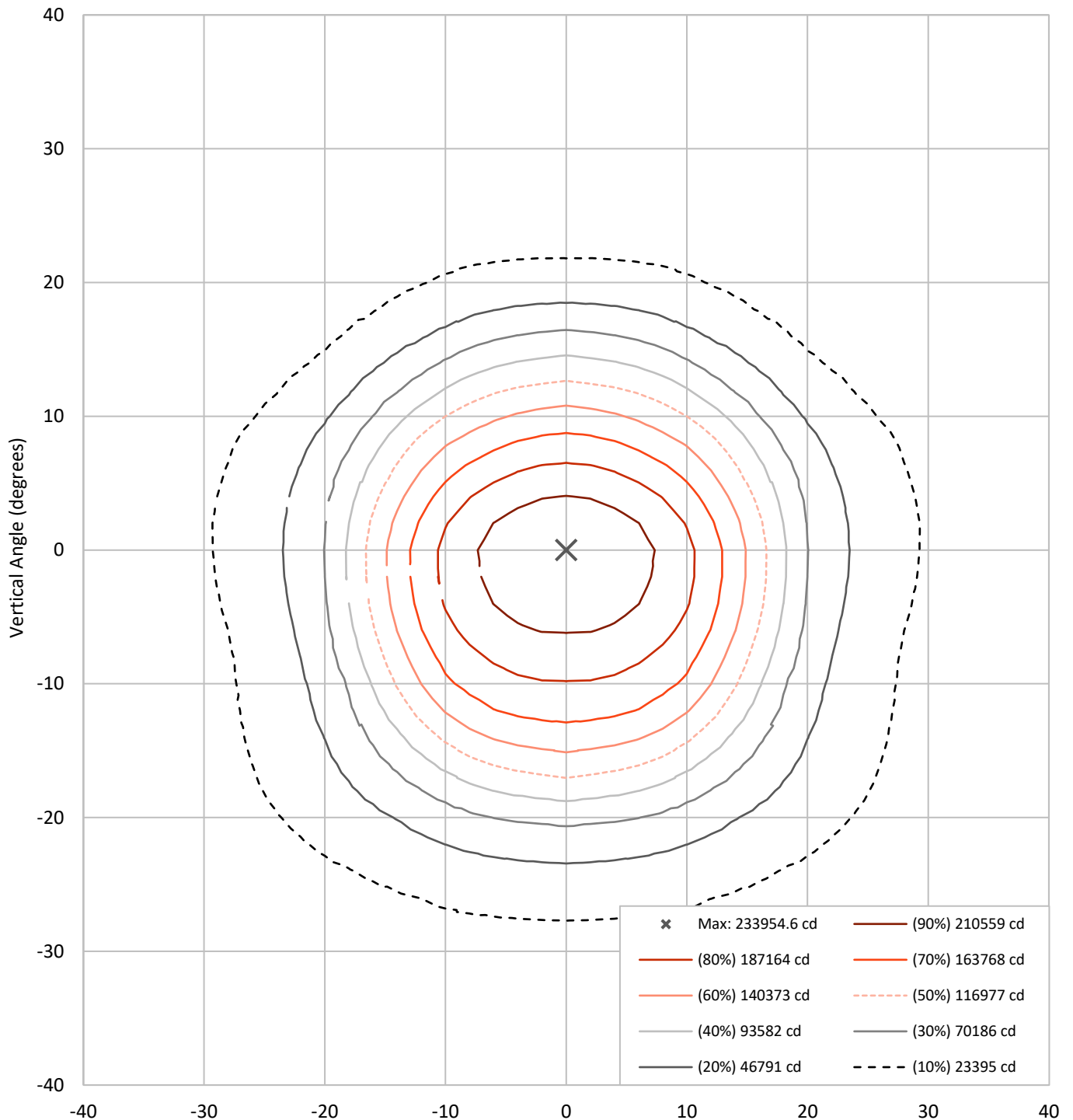
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	74876.1 lumens	Max Intensity:	233954.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	107.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	41086.9 lumens	Field Lumens:	65830.1 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

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





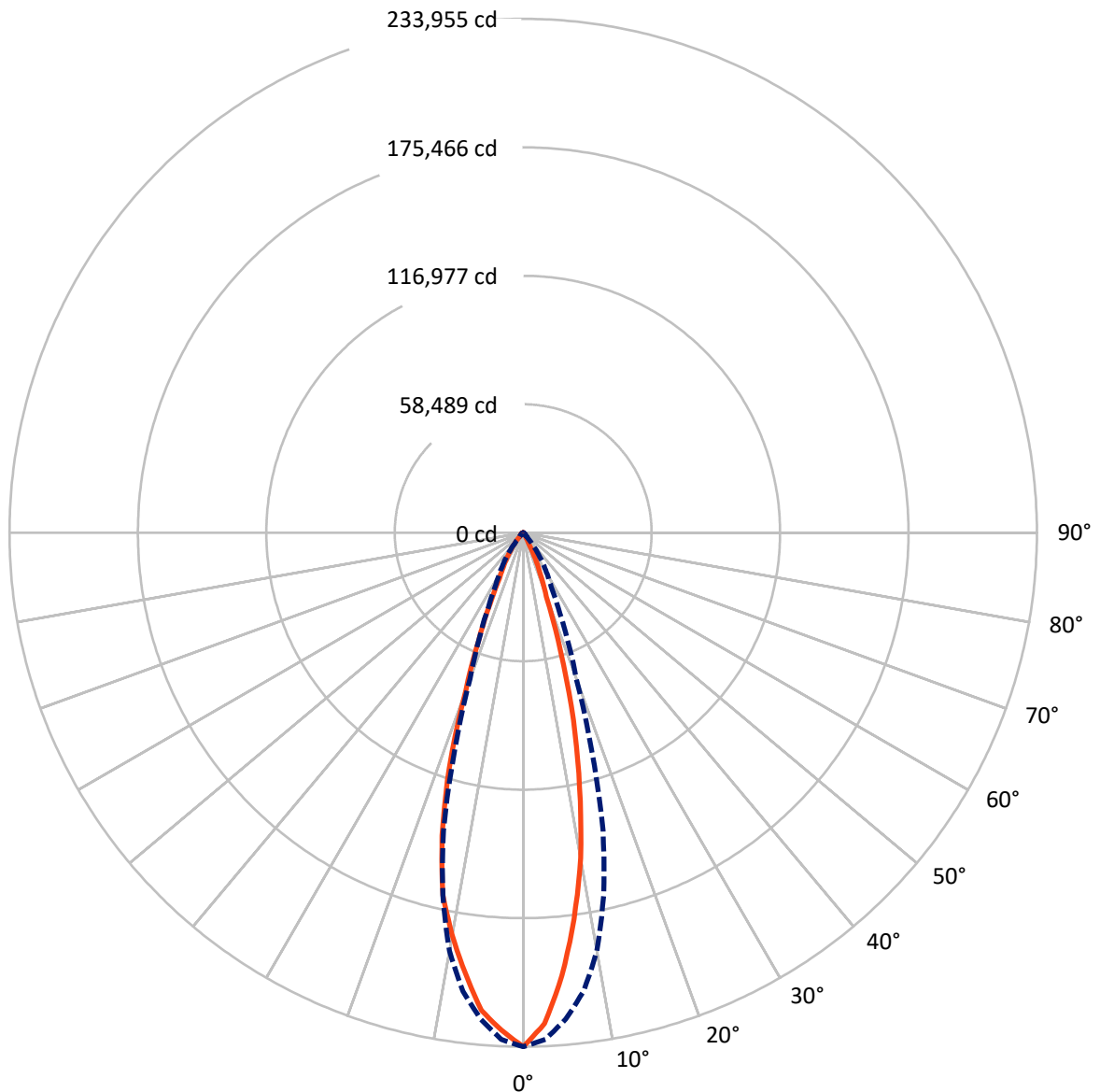
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Lumen Table

90	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2				
80	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2				
70	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.1	0.2
60		0.1	0.3	0.8	0.8	0.4	0.3	0.4	0.4	0.3	0.4	0.8	0.8	0.3	0.1	
50	0.2	0.2	0.4	0.6	0.7	0.9	1.2	1.5	1.5	1.2	0.9	0.7	0.6	0.4	0.2	0.2
40		0.2	0.8	1.8	3.1	7.0	14.1	19.4	19.4	14.1	7.0	3.1	1.8	0.8	0.2	
30	0.2	0.4	2.7	7.4	27.4	99.8	236.5	400.0	400.0	236.5	99.8	27.4	7.4	2.7	0.4	0.2
20		0.9	6.1	19.7	121.2	419.7	1287.9	2433.3	2433.3	1287.9	419.7	121.2	19.7	6.1	0.9	
10	0.3	1.7	10.5	37.2	282.3	1005.6	3335.8	5636.3	5636.3	3335.8	1005.6	282.3	37.2	10.5	1.7	0.3
0		2.9	13.9	44.1	294.3	1037.0	3744.0	6188.0	6188.0	3744.0	1037.0	294.3	44.1	13.9	2.9	
-10	0.5	3.4	14.2	38.0	229.6	764.5	2236.0	3906.4	3906.4	2236.0	764.5	229.6	38.0	14.2	3.4	0.5
-20		3.1	12.2	26.1	99.2	362.8	755.2	1130.2	1130.2	755.2	362.8	99.2	26.1	12.2	3.1	
-30	0.4	2.4	9.3	18.1	34.1	98.0	222.5	314.3	314.3	222.5	98.0	34.1	18.1	9.3	2.4	0.4
-40		1.5	6.3	13.7	22.4	34.0	49.9	65.3	65.3	49.9	34.0	22.4	13.7	6.3	1.5	
-50	0.3	0.7	3.3	9.0	16.6	23.9	30.7	34.8	34.8	30.7	23.9	16.6	9.0	3.3	0.7	0.3
-60		0.3	1.2	3.7	8.0	13.9	19.8	23.3	23.3	19.8	13.9	8.0	3.7	1.2	0.3	
-70	0.2	0.8	3.0	7.9	11.1	7.9	3.0	0.8	0.2							0.2
-80		0.2	0.8	3.0	7.9	11.1	7.9	3.0	0.8	0.2						
-90	0.2	0.8	3.0	7.9	11.1	7.9	3.0	0.8	0.2							0.2

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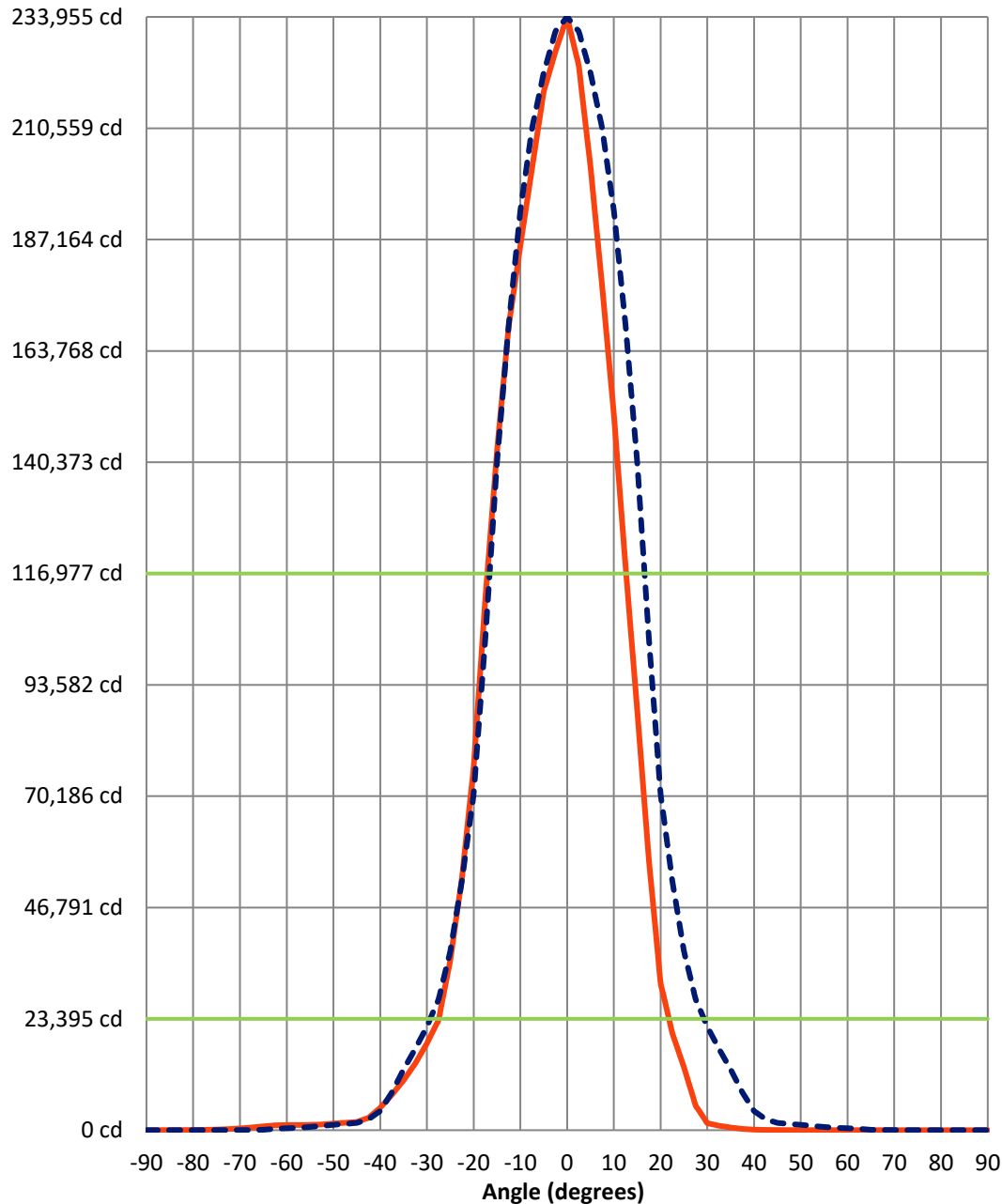
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.2°
 V Angle: 29.7°
 Lumens: 41086.9
 Efficiency: 54.9%

Field:
 H Angle: 58.6°
 V Angle: 49.3°
 Lumens: 65830.1
 Efficiency: 87.9%

Spill:
 Lumens: 9045.9
 Efficiency: 12.1%

- 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	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	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	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.6	8.7	8.6	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.4	8.9	9.1	9.1	8.8	8.4
75°	8.3	8.3	8.3	8.3	8.4	8.9	9.4	9.6	9.4	8.9	8.5
72.5°	8.3	8.3	8.3	8.3	8.7	9.3	9.9	10.0	9.5	9.0	8.5
70°	8.3	8.3	8.3	8.3	9.0	9.7	10.3	10.0	9.5	9.1	9.1
67.5°	8.3	8.3	8.3	8.6	9.3	10.1	10.3	10.1	9.6	9.5	9.8
65°	8.3	8.3	8.3	8.8	9.7	10.3	10.3	10.1	9.9	10.0	10.3
62.5°	8.3	8.3	8.3	9.1	10.0	10.3	10.3	10.2	10.1	10.3	10.3
60°	8.3	8.3	8.3	9.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
57.5°	8.3	8.3	8.4	9.5	10.3	10.3	10.3	10.3	10.3	10.3	10.3
55°	8.3	8.3	8.6	9.7	10.3	10.3	10.3	10.3	10.3	10.3	10.3
52.5°	8.3	8.3	8.7	9.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3
50°	8.3	8.3	8.9	10.2	10.3	10.3	10.3	10.3	10.3	10.3	11.2
47.5°	8.3	8.3	9.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.1
45°	8.3	8.3	9.1	10.3	10.3	10.3	10.3	10.3	10.4	11.0	12.9
42.5°	8.3	8.3	9.2	10.3	10.3	10.3	10.3	10.4	10.5	11.5	13.4
40°	8.3	8.3	9.4	10.3	10.3	10.3	10.3	10.5	10.8	12.0	13.9
37.5°	8.3	8.3	9.5	10.3	10.3	10.3	10.3	10.8	11.4	12.7	14.2
35°	8.3	8.3	9.6	10.3	10.3	10.3	10.3	11.0	12.0	13.3	14.6
32.5°	8.3	8.3	9.7	10.3	10.3	10.3	10.4	11.3	12.6	14.0	15.6
30°	8.3	8.3	9.8	10.3	10.3	10.3	10.6	11.6	13.1	14.6	16.9
27.5°	8.3	8.3	9.8	10.3	10.3	10.3	10.8	12.1	13.6	15.1	18.6
25°	8.3	8.3	9.9	10.3	10.3	10.3	11.1	12.5	14.1	16.2	20.6
22.5°	8.3	8.3	10.0	10.3	10.3	10.3	11.3	12.9	14.6	17.6	24.9
20°	8.3	8.3	10.1	10.3	10.3	10.5	11.6	13.3	15.0	19.2	29.3
17.5°	8.3	8.3	10.1	10.3	10.3	10.7	11.9	13.6	15.4	20.9	33.7
15°	8.3	8.3	10.2	10.3	10.3	10.9	12.1	14.0	15.8	22.6	38.1
12.5°	8.3	8.3	10.2	10.3	10.3	11.1	12.2	14.4	16.9	24.4	42.4
10°	8.3	8.3	10.2	10.3	10.3	11.4	12.3	14.9	18.8	28.4	48.4
7.5°	8.3	8.3	10.3	10.3	10.3	11.6	12.4	15.3	20.8	32.8	58.2
5°	8.3	8.3	10.3	10.3	10.3	11.9	12.4	15.7	22.8	37.2	68.1
2.5°	8.3	8.3	10.3	10.3	10.3	12.2	12.4	16.1	24.9	41.4	77.7
0°	8.3	8.3	10.3	10.3	10.3	12.4	12.4	16.5	26.8	45.4	86.7
-2.5°	8.3	8.3	10.3	10.3	10.3	12.4	13.5	19.7	34.6	60.1	112.1
-5°	8.3	8.3	10.3	10.3	10.3	12.4	14.5	22.8	41.9	74.2	136.1
-7.5°	8.3	8.3	10.3	10.3	10.3	12.3	15.5	25.6	48.7	87.1	158.0
-10°	8.3	8.3	10.2	10.3	10.3	12.2	16.4	28.1	54.7	98.7	177.3
-12.5°	8.3	8.3	10.2	10.3	10.3	12.1	17.1	30.2	59.7	108.5	189.9
-15°	8.3	8.3	10.2	10.3	10.3	12.0	17.5	31.9	63.9	116.0	198.2
-17.5°	8.3	8.3	10.1	10.3	10.3	11.9	17.8	33.6	67.4	121.6	203.8
-20°	8.3	8.3	10.1	10.3	10.3	11.8	18.2	35.3	69.3	125.1	206.4



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	8.3	10.0	10.3	10.3	11.6	19.0	36.4	69.8	126.2	205.9
-25°	8.3	8.3	9.9	10.3	10.3	11.7	19.3	36.8	68.6	124.9	202.2
-27.5°	8.3	8.3	9.8	10.3	10.3	11.9	19.2	36.5	65.7	122.0	200.1
-30°	8.3	8.3	9.8	10.3	10.3	12.0	18.7	35.4	63.7	118.4	194.9
-32.5°	8.3	8.3	9.7	10.3	10.4	11.9	17.6	34.6	62.4	112.5	186.1
-35°	8.3	8.3	9.6	10.3	10.5	11.6	17.2	33.4	59.9	103.9	173.9
-37.5°	8.3	8.3	9.5	10.3	10.6	11.4	16.9	31.4	56.4	92.9	154.8
-40°	8.3	8.3	9.4	10.3	10.6	11.5	16.3	28.8	51.8	85.6	136.3
-42.5°	8.3	8.3	9.2	10.3	10.7	11.5	15.5	25.3	47.4	77.5	116.7
-45°	8.3	8.3	9.1	10.4	10.7	11.5	14.4	22.4	42.6	68.4	97.8
-47.5°	8.3	8.3	9.0	10.4	10.8	11.5	13.1	20.8	36.8	58.8	86.9
-50°	8.3	8.3	8.9	10.3	10.9	11.5	12.8	18.8	29.6	50.6	75.3
-52.5°	8.3	8.3	8.7	10.1	10.9	11.4	12.6	16.5	25.2	41.7	63.2
-55°	8.3	8.3	8.6	10.0	11.0	11.4	12.5	14.1	21.8	32.2	52.3
-57.5°	8.3	8.3	8.4	9.8	11.0	11.5	12.2	13.8	18.1	26.5	40.7
-60°	8.3	8.3	8.3	9.6	11.1	11.5	12.0	13.4	14.8	21.7	30.6
-62.5°	8.3	8.3	8.3	9.4	10.8	11.6	12.1	12.9	14.3	16.6	24.5
-65°	8.3	8.3	8.3	9.2	10.5	11.6	12.1	12.6	13.7	15.0	18.1
-67.5°	8.3	8.3	8.3	9.0	10.2	11.5	12.2	12.6	13.1	14.3	15.6
-70°	8.3	8.3	8.3	8.8	9.9	11.1	12.2	12.5	12.9	13.7	14.8
-72.5°	8.3	8.3	8.3	8.7	9.6	10.7	11.8	12.4	12.7	13.2	14.1
-75°	8.3	8.3	8.3	8.6	9.3	10.3	11.3	11.9	12.4	12.8	13.3
-77.5°	8.3	8.3	8.3	8.6	9.1	9.9	10.8	11.3	11.8	12.2	12.6
-80°	8.3	8.3	8.3	8.5	9.0	9.6	10.3	10.7	11.1	11.4	11.7
-82.5°	8.3	8.3	8.3	8.5	8.8	9.3	9.8	10.1	10.3	10.6	10.9
-85°	8.3	8.3	8.3	8.4	8.6	8.9	9.3	9.5	9.7	9.8	10.0
-87.5°	8.3	8.3	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.1
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.7
87.5°	7.8	7.3	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6
85°	7.8	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	8.4	8.4	8.2	8.2	8.3	8.3	8.0	7.5	6.9
72.5°	8.6	8.9	8.8	8.5	8.3	8.3	8.3	8.3	8.5	8.6	8.5
70°	9.4	9.5	9.1	8.6	8.3	8.6	9.7	10.8	11.5	11.5	11.9
67.5°	10.2	9.7	9.2	9.0	9.9	11.2	12.4	14.0	15.7	16.3	17.2
65°	10.2	9.8	9.8	10.7	12.2	13.8	15.6	17.8	22.2	24.9	26.2
62.5°	10.3	10.2	10.8	12.3	14.4	16.4	19.6	24.6	31.3	36.0	36.2
60°	10.3	10.5	12.1	14.3	16.5	19.3	24.1	31.7	41.8	49.4	45.1
57.5°	10.3	11.5	13.9	16.1	18.4	21.5	28.8	38.7	49.0	60.0	51.2
55°	10.8	13.1	15.4	17.5	20.3	24.3	32.0	41.3	52.7	55.8	45.8
52.5°	12.2	14.5	16.3	18.8	22.4	26.2	31.6	39.7	43.3	44.1	38.1
50°	13.4	15.2	17.1	20.0	23.7	26.9	28.5	33.3	34.7	33.0	29.7
47.5°	14.2	15.9	17.7	20.9	24.6	27.3	27.3	27.6	27.1	26.6	21.9
45°	14.7	16.5	18.3	21.9	25.8	28.1	26.8	23.0	26.2	25.2	24.1
42.5°	15.2	17.1	20.1	22.9	28.0	29.5	27.4	28.4	29.3	30.5	31.0
40°	15.7	17.7	22.6	28.1	31.0	31.7	35.1	37.7	36.6	40.0	42.1
37.5°	16.2	20.5	27.3	37.5	34.3	38.8	45.3	55.5	55.9	52.7	60.5
35°	16.6	23.7	38.9	50.0	47.3	50.0	67.0	80.5	84.6	80.1	85.2
32.5°	18.6	27.3	53.5	65.0	71.6	75.0	94.3	114.6	129.9	132.9	120.5
30°	22.4	40.6	70.2	83.1	102.3	120.9	134.3	158.8	190.4	215.0	225.0
27.5°	27.4	56.7	87.6	111.0	140.2	171.9	195.0	225.8	277.1	321.2	357.4
25°	32.7	78.8	107.0	145.1	188.6	229.5	265.2	316.4	384.4	457.5	584.6
22.5°	44.4	103.8	136.4	182.8	240.1	291.4	350.7	423.6	510.6	610.9	846.8
20°	63.6	128.5	171.6	224.8	295.5	356.2	439.9	533.0	651.7	865.7	1266.1
17.5°	84.1	155.1	207.8	274.5	362.2	439.0	532.8	641.7	798.8	1141.3	1929.9
15°	105.3	183.0	242.3	327.1	435.2	544.7	658.0	776.4	1001.3	1531.3	2775.2
12.5°	126.8	211.6	275.1	381.5	512.4	655.0	790.2	940.8	1266.2	2201.6	4027.4
10°	147.9	240.5	306.0	436.4	592.2	767.8	921.2	1098.6	1541.4	2808.8	5147.2
7.5°	182.7	278.1	339.1	490.5	672.4	880.6	1049.9	1248.9	1810.2	3338.0	6178.6
5°	219.5	324.3	391.9	556.8	751.5	981.2	1166.1	1390.7	2064.8	3783.2	7146.0
2.5°	254.7	368.7	443.4	620.4	825.8	1059.3	1239.9	1470.0	2200.9	3991.4	7743.5
0°	286.8	410.6	493.1	678.8	893.4	1128.6	1306.0	1539.1	2283.9	4031.5	7935.0
-2.5°	325.7	456.6	544.5	725.2	930.4	1169.2	1347.9	1591.6	2369.8	4256.9	7969.6
-5°	359.1	499.3	593.5	766.5	961.4	1201.0	1382.9	1632.5	2409.9	4359.5	7802.1
-7.5°	386.1	538.2	639.8	799.2	977.4	1207.3	1395.7	1639.3	2381.9	4306.6	7459.2
-10°	402.4	554.6	651.0	798.7	972.2	1193.9	1395.8	1633.4	2301.5	4087.4	6977.7
-12.5°	390.6	550.1	653.0	792.7	962.2	1171.4	1385.9	1614.6	2164.5	3682.7	6414.2
-15°	376.0	542.8	651.6	781.1	948.0	1139.6	1365.3	1582.8	1951.0	3055.0	5718.3
-17.5°	359.3	532.6	646.7	763.9	930.0	1098.8	1323.4	1499.7	1730.1	2603.0	4916.1
-20°	341.1	519.9	637.9	741.1	907.9	1040.0	1224.7	1406.3	1616.5	2213.5	3837.1



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	322.2	504.7	623.3	726.2	851.7	972.2	1120.9	1298.8	1491.4	1729.7	2689.4
-25°	311.1	476.2	602.4	691.9	790.9	903.0	1014.3	1178.5	1360.9	1552.8	2057.9
-27.5°	305.3	448.7	568.2	657.5	732.3	833.9	928.5	1059.6	1228.6	1392.7	1552.8
-30°	295.4	409.6	533.3	621.9	689.7	769.9	851.3	957.6	1107.6	1251.7	1384.4
-32.5°	274.1	369.9	490.4	582.2	652.0	710.5	791.0	885.9	1001.3	1126.4	1233.3
-35°	247.9	338.6	444.2	542.7	614.9	670.3	742.8	822.6	907.3	1015.7	1143.5
-37.5°	223.7	304.6	398.2	498.4	572.3	639.7	695.4	767.2	840.4	920.6	1048.4
-40°	197.6	268.0	356.5	448.7	534.3	604.1	662.0	715.7	779.6	859.9	945.3
-42.5°	170.4	237.2	313.9	400.0	485.9	561.1	626.8	676.4	731.0	800.1	876.1
-45°	147.9	204.7	270.2	351.7	432.7	512.0	578.9	641.5	693.8	744.7	810.4
-47.5°	124.4	172.7	233.0	302.5	379.5	453.8	526.4	595.4	662.0	709.5	749.8
-50°	103.0	146.2	195.4	259.1	326.3	395.9	463.8	544.6	615.2	675.2	721.9
-52.5°	89.3	118.9	164.0	216.4	276.8	339.4	406.5	480.8	557.3	628.6	683.3
-55°	74.9	100.3	132.2	177.5	228.7	285.5	348.3	416.5	486.0	557.7	627.7
-57.5°	60.9	83.5	107.9	139.4	183.8	232.4	289.9	350.5	414.4	479.5	544.2
-60°	46.9	66.7	88.6	111.7	138.8	182.5	230.1	283.3	340.2	398.6	457.1
-62.5°	33.5	49.7	69.0	89.8	111.4	135.1	173.5	217.8	263.7	312.2	363.0
-65°	26.0	34.5	48.8	67.0	86.7	107.4	130.3	155.2	193.5	231.0	266.8
-67.5°	18.2	26.1	33.8	43.2	60.0	77.8	97.0	117.7	140.0	161.9	187.5
-70°	16.2	18.4	24.5	31.4	38.0	46.7	62.4	79.1	96.3	113.0	131.2
-72.5°	15.2	16.9	19.1	21.8	27.3	32.7	38.0	43.2	53.3	67.0	80.4
-75°	14.2	15.2	16.7	18.7	20.9	23.2	25.9	30.4	34.7	38.8	42.9
-77.5°	13.1	13.8	14.7	15.8	17.1	18.8	20.7	22.7	24.4	26.0	27.8
-80°	12.1	12.4	12.9	13.5	14.3	15.3	16.3	17.4	18.2	19.1	20.2
-82.5°	11.1	11.3	11.6	11.8	11.9	12.2	12.5	13.1	13.7	14.2	14.7
-85°	10.1	10.3	10.5	10.6	10.4	10.2	10.1	10.0	10.2	10.5	10.7
-87.5°	9.2	9.3	9.4	9.4	9.2	8.9	8.6	8.3	8.2	8.1	8.0
-90°	7.8	7.3	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.2	6.2	6.2	6.2	6.2	7.2	8.3	9.3	10.3	11.3	12.4
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
85°	5.4	5.2	4.9	4.5	4.1	4.0	4.0	4.0	4.0	3.5	3.1
82.5°	6.2	5.7	5.2	4.7	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.2	5.8	5.2	4.7	4.2	4.1	4.1	4.1	4.1	3.6	3.1
77.5°	6.3	5.9	5.6	5.4	5.3	5.1	4.9	4.6	4.2	3.7	3.1
75°	6.4	6.3	6.4	6.4	6.3	5.8	5.3	4.7	4.2	4.0	4.0
72.5°	8.1	7.8	7.7	7.9	7.8	7.6	7.2	6.6	5.9	5.8	6.0
70°	12.1	12.3	12.4	12.2	11.5	10.6	9.8	8.9	8.1	7.9	8.0
67.5°	18.3	18.5	17.9	16.6	14.5	12.6	11.8	11.0	10.1	9.9	10.0
65°	26.3	24.3	22.2	19.9	17.1	14.2	13.4	12.6	12.0	12.1	12.7
62.5°	34.0	27.7	22.3	18.9	16.3	14.2	13.3	12.4	11.5	11.1	11.5
60°	37.4	26.5	19.3	17.1	14.9	12.7	11.5	10.5	9.6	9.1	9.4
57.5°	37.5	26.0	17.8	15.2	12.9	11.0	10.0	9.4	8.8	8.4	8.9
55°	33.4	23.1	15.1	13.0	11.7	10.8	10.2	10.1	9.9	9.6	10.0
52.5°	26.8	19.3	14.1	12.2	12.2	12.3	12.2	12.2	12.4	12.8	13.3
50°	21.3	16.4	14.9	14.0	14.5	14.7	14.3	15.1	16.2	16.8	17.4
47.5°	19.5	17.9	18.1	17.7	18.4	19.8	20.1	20.7	22.3	23.3	24.0
45°	21.7	23.3	24.3	26.0	27.0	29.4	30.1	30.1	33.5	35.9	37.1
42.5°	30.4	33.0	36.2	39.5	41.1	44.2	47.3	49.0	54.1	58.1	59.7
40°	45.9	47.4	54.2	58.3	61.5	65.3	74.8	81.2	91.1	109.6	123.1
37.5°	67.4	72.3	76.4	82.3	95.3	101.6	132.2	159.9	178.9	225.0	251.1
35°	98.8	112.3	107.6	134.1	166.7	207.7	252.4	318.9	371.6	434.0	491.5
32.5°	154.8	188.0	220.0	250.7	324.1	441.8	445.0	569.5	652.9	753.9	842.7
30°	245.0	362.2	509.6	558.5	765.1	996.1	932.0	1122.9	1312.2	1424.7	1813.3
27.5°	483.5	747.6	1040.5	1412.8	1797.8	2194.9	2457.9	2550.0	3507.4	4211.3	5127.7
25°	827.2	1290.6	2109.0	2711.9	3388.0	4269.9	4779.4	5465.2	7062.1	9052.2	10597.9
22.5°	1318.3	2127.9	3209.2	4121.5	5135.1	6323.6	7398.5	9042.6	11525.9	14242.3	16553.2
20°	1868.6	2912.5	4282.6	5649.4	6978.0	8526.9	10397.2	13754.5	17591.5	21849.5	25699.0
17.5°	2884.0	3910.5	5665.0	7533.7	9421.4	11287.0	15399.7	20371.8	26378.4	32687.8	38291.7
15°	4335.0	5996.3	7736.6	10207.5	13349.4	16934.6	22143.2	30864.0	40192.9	50039.6	61778.5
12.5°	6228.5	8637.0	11247.6	14108.5	18368.4	24913.1	33553.4	44198.0	57551.1	72323.7	89027.7
10°	8160.8	11634.4	15229.6	19315.4	24930.0	33359.9	44518.3	57846.5	78846.1	99543.9	116977.4
7.5°	9731.9	13780.0	18316.0	23743.5	31061.5	41333.1	55122.2	74384.7	99427.9	124054.6	143557.7
5°	11206.0	15652.8	20375.0	25920.4	34742.9	47129.3	63735.7	87768.2	117728.2	143919.1	164817.7
2.5°	12275.1	16946.4	21831.6	27474.1	37532.5	50652.9	68884.7	98695.5	133179.3	160013.6	183975.9
0°	12748.4	17070.8	21743.9	27533.2	37624.2	52450.2	70670.2	103309.8	140331.5	169179.9	193250.1
-2.5°	12161.6	16357.9	21180.3	26836.0	36951.6	51194.0	70014.6	102790.1	139939.2	169196.0	192927.1
-5°	11540.7	15518.9	19995.6	25223.5	34447.4	47690.3	66892.6	98208.4	133857.0	163270.3	186419.7
-7.5°	10878.9	14519.9	18525.0	23215.4	31398.5	44142.1	61972.7	88403.3	121725.0	151672.9	173444.9
-10°	10122.2	13436.8	17648.6	22619.8	29743.6	40821.2	55566.9	76741.1	107951.3	135776.0	159680.3
-12.5°	9677.9	13213.4	17422.1	21988.3	27734.7	37496.9	50913.6	68975.4	90339.8	116186.0	137456.0
-15°	9106.9	12685.6	16859.5	21143.5	26462.6	34084.7	44677.7	57944.1	74200.4	91617.7	110497.0
-17.5°	8168.1	11744.7	15105.9	19126.6	24178.7	30200.7	37813.1	48108.9	58894.9	71235.8	82531.1
-20°	6622.0	9511.1	12689.8	16478.2	20821.2	25384.6	30468.2	37483.3	44325.4	52965.1	59901.1



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4764.2	7206.3	9960.3	13091.1	16530.4	20437.4	24266.9	27968.9	32658.0	38126.9	43699.8
-25°	3102.8	4909.5	7294.3	9860.3	12262.3	15384.6	18135.9	20346.8	23508.8	25983.4	29360.7
-27.5°	2148.6	3322.8	5099.3	7143.9	9038.5	11037.0	13276.8	14786.2	17249.4	18588.1	20658.3
-30°	1572.1	2231.2	3508.9	5038.0	6688.7	8389.8	9988.7	11648.3	13361.8	14877.0	16025.9
-32.5°	1394.2	1653.1	2283.2	3383.8	4675.3	6101.7	7455.8	8902.6	10267.6	11442.1	12389.9
-35°	1273.4	1418.6	1616.5	2198.5	2969.2	4082.9	5148.1	6319.2	7415.6	8323.5	9084.5
-37.5°	1177.6	1293.9	1418.5	1546.2	1978.9	2466.3	3223.4	4037.4	4740.9	5544.7	6165.6
-40°	1068.9	1193.1	1292.9	1394.8	1509.5	1631.9	2041.7	2406.1	2803.7	3346.3	3789.7
-42.5°	956.8	1064.9	1177.3	1272.2	1358.7	1450.1	1542.2	1623.9	1825.7	2065.0	2246.5
-45°	879.3	955.7	1038.1	1138.6	1231.8	1311.0	1385.5	1456.9	1530.2	1597.9	1654.0
-47.5°	810.9	872.7	940.5	1009.6	1079.7	1161.2	1237.6	1310.1	1373.6	1431.3	1477.8
-50°	761.0	803.7	860.2	914.7	974.6	1031.4	1082.2	1141.6	1206.7	1265.8	1313.0
-52.5°	735.8	773.2	805.5	844.6	898.7	946.3	988.1	1035.2	1080.4	1121.8	1152.2
-55°	686.1	735.0	782.4	826.3	863.6	897.6	933.8	980.0	1019.7	1053.9	1072.7
-57.5°	608.4	671.2	730.7	786.5	839.0	888.3	929.3	966.0	1002.8	1037.7	1053.8
-60°	516.5	576.5	638.6	705.7	773.5	840.9	890.6	937.9	982.5	1020.0	1039.8
-62.5°	417.6	472.3	527.9	588.4	652.8	715.9	770.1	826.6	884.5	934.3	966.2
-65°	305.4	352.0	401.8	451.3	500.3	550.8	599.1	646.6	692.8	730.2	756.3
-67.5°	218.9	249.0	279.8	311.6	349.5	388.5	424.2	458.8	491.8	518.2	537.7
-70°	150.5	169.9	188.1	208.3	232.5	256.2	278.3	299.2	318.8	335.4	349.3
-72.5°	93.7	106.3	119.0	133.2	147.0	160.2	172.7	184.3	195.1	205.0	213.8
-75°	47.0	52.9	62.9	72.4	81.4	90.7	99.3	106.9	113.4	118.9	123.5
-77.5°	30.5	34.2	38.0	41.4	44.5	48.9	53.7	58.5	63.3	67.2	70.9
-80°	21.4	23.4	25.7	27.9	30.2	32.9	35.7	38.5	41.1	42.9	44.4
-82.5°	15.2	16.4	17.7	19.0	20.3	22.2	24.2	26.1	28.0	29.3	30.5
-85°	10.9	11.4	12.0	12.6	13.2	15.0	16.7	18.4	20.1	21.3	22.5
-87.5°	7.9	8.0	8.0	8.1	8.1	9.6	11.2	12.7	14.3	14.8	15.4
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	13.4	14.4	14.4	14.4	14.4	14.4	13.4	12.4	11.3	10.3	9.3
87.5°	2.1	2.1	1.1	0.0	1.1	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	3.5	4.0	4.0
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
77.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.7	4.2	4.6
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.7
72.5°	6.1	6.1	6.2	6.2	6.2	6.1	6.1	6.0	5.8	5.9	6.6
70°	8.2	8.2	7.3	6.2	7.3	8.2	8.2	8.0	7.9	8.1	8.9
67.5°	10.1	10.2	11.2	12.4	11.2	10.2	10.1	10.0	9.9	10.1	11.0
65°	13.4	14.1	13.5	12.4	13.5	14.1	13.4	12.7	12.1	12.0	12.6
62.5°	11.9	12.4	11.5	10.3	11.5	12.4	11.9	11.5	11.1	11.5	12.4
60°	9.8	10.3	10.3	10.3	10.3	10.3	9.8	9.4	9.1	9.6	10.5
57.5°	9.5	10.1	10.3	10.3	10.3	10.1	9.5	8.9	8.4	8.8	9.4
55°	10.2	10.3	10.3	10.3	10.3	10.3	10.2	10.0	9.6	9.9	10.1
52.5°	13.8	14.1	14.3	14.4	14.3	14.1	13.8	13.3	12.8	12.4	12.2
50°	17.9	18.3	18.5	18.6	18.5	18.3	17.9	17.4	16.8	16.2	15.1
47.5°	24.5	24.6	24.7	24.8	24.7	24.6	24.5	24.0	23.3	22.3	20.7
45°	37.7	37.2	36.8	37.1	36.8	37.2	37.7	37.1	35.9	33.5	30.1
42.5°	61.3	61.5	61.3	61.9	61.3	61.5	61.3	59.7	58.1	54.1	49.0
40°	126.8	122.2	115.7	115.5	115.7	122.2	126.8	123.1	109.6	91.1	81.2
37.5°	263.9	268.5	267.9	272.3	267.9	268.5	263.9	251.1	225.0	178.9	159.9
35°	535.2	559.2	564.6	563.2	564.6	559.2	535.2	491.5	434.0	371.6	318.9
32.5°	881.5	913.4	922.3	934.6	922.3	913.4	881.5	842.7	753.9	652.9	569.5
30°	1549.8	1592.7	1551.9	1469.0	1551.9	1592.7	1549.8	1813.3	1424.7	1312.2	1122.9
27.5°	5615.7	5821.6	5358.1	5188.9	5358.1	5821.6	5615.7	5127.7	4211.3	3507.4	2550.0
25°	11444.6	12355.6	13289.2	13206.4	13289.2	12355.6	11444.6	10597.9	9052.2	7062.1	5465.2
22.5°	18470.2	19393.2	20162.5	20427.6	20162.5	19393.2	18470.2	16553.2	14242.3	11525.9	9042.6
20°	29255.2	31053.0	32340.2	30968.4	32340.2	31053.0	29255.2	25699.0	21849.5	17591.5	13754.5
17.5°	46762.7	52176.3	54988.5	56764.4	54988.5	52176.3	46762.7	38291.7	32687.8	26378.4	20371.8
15°	72591.1	80755.2	85278.2	88273.3	85278.2	80755.2	72591.1	61778.5	50039.6	40192.9	30864.0
12.5°	102377.7	111278.9	115276.5	118539.2	115276.5	111278.9	102377.7	89027.7	72323.7	57551.1	44198.0
10°	130693.7	140310.3	146968.4	150428.7	146968.4	140310.3	130693.7	116977.4	99543.9	78846.1	57846.5
7.5°	156638.1	168401.8	175158.3	177308.9	175158.3	168401.8	156638.1	143557.7	124054.6	99427.9	74384.7
5°	182015.2	192511.1	200636.3	202478.7	200636.3	192511.1	182015.2	164817.7	143919.1	117728.2	87768.2
2.5°	201554.4	214133.4	221428.3	223633.6	221428.3	214133.4	201554.4	183975.9	160013.6	133179.3	98695.5
0°	210508.6	222219.3	230856.7	233954.6	230856.7	222219.3	210508.6	193250.1	169179.9	140331.5	103309.8
-2.5°	208635.7	219427.8	225610.5	226675.8	225610.5	219427.8	208635.7	192927.1	169196.0	139939.2	102790.1
-5°	202048.7	211964.3	218070.9	218245.6	218070.9	211964.3	202048.7	186419.7	163270.3	133857.0	98208.4
-7.5°	187579.9	196852.1	201109.4	202178.5	201109.4	196852.1	187579.9	173444.9	151672.9	121725.0	88403.3
-10°	172853.3	181455.6	185478.6	185923.7	185478.6	181455.6	172853.3	159680.3	135776.0	107951.3	76741.1
-12.5°	153777.8	162982.2	166999.0	168888.0	166999.0	162982.2	153777.8	137456.0	116186.0	90339.8	68975.4
-15°	125391.2	134291.8	139110.8	142669.1	139110.8	134291.8	125391.2	110497.0	91617.7	74200.4	57944.1
-17.5°	94975.2	102604.2	107353.1	111676.0	107353.1	102604.2	94975.2	82531.1	71235.8	58894.9	48108.9
-20°	67618.3	72476.8	73969.0	76298.6	73969.0	72476.8	67618.3	59901.1	52965.1	44325.4	37483.3



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	47491.8	50254.2	52004.0	52992.9	52004.0	50254.2	47491.8	43699.8	38126.9	32658.0	27968.9
-25°	32196.1	34111.9	34856.9	35715.8	34856.9	34111.9	32196.1	29360.7	25983.4	23508.8	20346.8
-27.5°	21566.3	22353.0	22890.2	23181.9	22890.2	22353.0	21566.3	20658.3	18588.1	17249.4	14786.2
-30°	16950.8	17670.2	18101.6	18238.5	18101.6	17670.2	16950.8	16025.9	14877.0	13361.8	11648.3
-32.5°	13123.7	13667.4	13958.1	13996.6	13958.1	13667.4	13123.7	12389.9	11442.1	10267.6	8902.6
-35°	9722.4	10217.7	10491.9	10472.7	10491.9	10217.7	9722.4	9084.5	8323.5	7415.6	6319.2
-37.5°	6699.6	7119.4	7377.0	7444.0	7377.0	7119.4	6699.6	6165.6	5544.7	4740.9	4037.4
-40°	4191.2	4499.6	4683.7	4708.2	4683.7	4499.6	4191.2	3789.7	3346.3	2803.7	2406.1
-42.5°	2405.9	2530.8	2601.0	2597.5	2601.0	2530.8	2405.9	2246.5	2065.0	1825.7	1623.9
-45°	1690.8	1718.9	1734.7	1737.2	1734.7	1718.9	1690.8	1654.0	1597.9	1530.2	1456.9
-47.5°	1511.3	1537.8	1551.9	1553.6	1551.9	1537.8	1511.3	1477.8	1431.3	1373.6	1310.1
-50°	1350.9	1382.3	1399.4	1403.0	1399.4	1382.3	1350.9	1313.0	1265.8	1206.7	1141.6
-52.5°	1176.7	1197.5	1204.4	1200.8	1204.4	1197.5	1176.7	1152.2	1121.8	1080.4	1035.2
-55°	1090.3	1107.2	1114.5	1116.2	1114.5	1107.2	1090.3	1072.7	1053.9	1019.7	980.0
-57.5°	1069.4	1084.6	1089.3	1089.4	1089.3	1084.6	1069.4	1053.8	1037.7	1002.8	966.0
-60°	1059.4	1078.3	1081.9	1079.0	1081.9	1078.3	1059.4	1039.8	1020.0	982.5	937.9
-62.5°	994.5	1018.7	1026.4	1025.4	1026.4	1018.7	994.5	966.2	934.3	884.5	826.6
-65°	778.3	796.1	805.2	808.8	805.2	796.1	778.3	756.3	730.2	692.8	646.6
-67.5°	553.6	565.9	569.9	569.4	569.9	565.9	553.6	537.7	518.2	491.8	458.8
-70°	361.0	370.5	371.5	369.3	371.5	370.5	361.0	349.3	335.4	318.8	299.2
-72.5°	221.5	228.1	227.5	224.9	227.5	228.1	221.5	213.8	205.0	195.1	184.3
-75°	127.4	130.6	129.7	127.9	129.7	130.6	127.4	123.5	118.9	113.4	106.9
-77.5°	74.4	77.7	78.3	78.4	78.3	77.7	74.4	70.9	67.2	63.3	58.5
-80°	45.9	47.2	47.4	47.5	47.4	47.2	45.9	44.4	42.9	41.1	38.5
-82.5°	31.7	32.9	33.0	33.0	33.0	32.9	31.7	30.5	29.3	28.0	26.1
-85°	23.6	24.7	24.8	24.8	24.8	24.7	23.6	22.5	21.3	20.1	18.4
-87.5°	16.0	16.5	16.5	16.5	16.5	16.5	16.0	15.4	14.8	14.3	12.7
-90°	2.1	2.1	1.0	0.0	1.0	2.1	2.1	2.1	2.1	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°	8.3	7.2	6.2	6.2	6.2	6.2	6.2	6.7	7.3	7.8	8.3
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2
85°	4.0	4.0	4.1	4.5	4.9	5.2	5.4	5.6	5.7	5.9	6.2
82.5°	4.1	4.1	4.1	4.7	5.2	5.7	6.2	6.2	6.2	6.2	6.3
80°	4.1	4.1	4.2	4.7	5.2	5.8	6.2	6.3	6.3	6.2	6.3
77.5°	4.9	5.1	5.3	5.4	5.6	5.9	6.3	6.8	7.2	7.4	7.4
75°	5.3	5.8	6.3	6.4	6.4	6.3	6.4	6.9	7.5	8.0	8.3
72.5°	7.2	7.6	7.8	7.9	7.7	7.8	8.1	8.5	8.6	8.5	8.3
70°	9.8	10.6	11.5	12.2	12.4	12.3	12.1	11.9	11.5	11.5	10.8
67.5°	11.8	12.6	14.5	16.6	17.9	18.5	18.3	17.2	16.3	15.7	14.0
65°	13.4	14.2	17.1	19.9	22.2	24.3	26.3	26.2	24.9	22.2	17.8
62.5°	13.3	14.2	16.3	18.9	22.3	27.7	34.0	36.2	36.0	31.3	24.6
60°	11.5	12.7	14.9	17.1	19.3	26.5	37.4	45.1	49.4	41.8	31.7
57.5°	10.0	11.0	12.9	15.2	17.8	26.0	37.5	51.2	60.0	49.0	38.7
55°	10.2	10.8	11.7	13.0	15.1	23.1	33.4	45.8	55.8	52.7	41.3
52.5°	12.2	12.3	12.2	12.2	14.1	19.3	26.8	38.1	44.1	43.3	39.7
50°	14.3	14.7	14.5	14.0	14.9	16.4	21.3	29.7	33.0	34.7	33.3
47.5°	20.1	19.8	18.4	17.7	18.1	17.9	19.5	21.9	26.6	27.1	27.6
45°	30.1	29.4	27.0	26.0	24.3	23.3	21.7	24.1	25.2	26.2	23.0
42.5°	47.3	44.2	41.1	39.5	36.2	33.0	30.4	31.0	30.5	29.3	28.4
40°	74.8	65.3	61.5	58.3	54.2	47.4	45.9	42.1	40.0	36.6	37.7
37.5°	132.2	101.6	95.3	82.3	76.4	72.3	67.4	60.5	52.7	55.9	55.5
35°	252.4	207.7	166.7	134.1	107.6	112.3	98.8	85.2	80.1	84.6	80.5
32.5°	445.0	441.8	324.1	250.7	220.0	188.0	154.8	120.5	132.9	129.9	114.6
30°	932.0	996.1	765.1	558.5	509.6	362.2	245.0	225.0	215.0	190.4	158.8
27.5°	2457.9	2194.9	1797.8	1412.8	1040.5	747.6	483.5	357.4	321.2	277.1	225.8
25°	4779.4	4269.9	3388.0	2711.9	2109.0	1290.6	827.2	584.6	457.5	384.4	316.4
22.5°	7398.5	6323.6	5135.1	4121.5	3209.2	2127.9	1318.3	846.8	610.9	510.6	423.6
20°	10397.2	8526.9	6978.0	5649.4	4282.6	2912.5	1868.6	1266.1	865.7	651.7	533.0
17.5°	15399.7	11287.0	9421.4	7533.7	5665.0	3910.5	2884.0	1929.9	1141.3	798.8	641.7
15°	22143.2	16934.6	13349.4	10207.5	7736.6	5996.3	4335.0	2775.2	1531.3	1001.3	776.4
12.5°	33553.4	24913.1	18368.4	14108.5	11247.6	8637.0	6228.5	4027.4	2201.6	1266.2	940.8
10°	44518.3	33359.9	24930.0	19315.4	15229.6	11634.4	8160.8	5147.2	2808.8	1541.4	1098.6
7.5°	55122.2	41333.1	31061.5	23743.5	18316.0	13780.0	9731.9	6178.6	3338.0	1810.2	1248.9
5°	63735.7	47129.3	34742.9	25920.4	20375.0	15652.8	11206.0	7146.0	3783.2	2064.8	1390.7
2.5°	68884.7	50652.9	37532.5	27474.1	21831.6	16946.4	12275.1	7743.5	3991.4	2200.9	1470.0
0°	70670.2	52450.2	37624.2	27533.2	21743.9	17070.8	12748.4	7935.0	4031.5	2283.9	1539.1
-2.5°	70014.6	51194.0	36951.6	26836.0	21180.3	16357.9	12161.6	7969.6	4256.9	2369.8	1591.6
-5°	66892.6	47690.3	34447.4	25223.5	19995.6	15518.9	11540.7	7802.1	4359.5	2409.9	1632.5
-7.5°	61972.7	44142.1	31398.5	23215.4	18525.0	14519.9	10878.9	7459.2	4306.6	2381.9	1639.3
-10°	55566.9	40821.2	29743.6	22619.8	17648.6	13436.8	10122.2	6977.7	4087.4	2301.5	1633.4
-12.5°	50913.6	37496.9	27734.7	21988.3	17422.1	13213.4	9677.9	6414.2	3682.7	2164.5	1614.6
-15°	44677.7	34084.7	26462.6	21143.5	16859.5	12685.6	9106.9	5718.3	3055.0	1951.0	1582.8
-17.5°	37813.1	30200.7	24178.7	19126.6	15105.9	11744.7	8168.1	4916.1	2603.0	1730.1	1499.7
-20°	30468.2	25384.6	20821.2	16478.2	12689.8	9511.1	6622.0	3837.1	2213.5	1616.5	1406.3



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	24266.9	20437.4	16530.4	13091.1	9960.3	7206.3	4764.2	2689.4	1729.7	1491.4	1298.8
-25°	18135.9	15384.6	12262.3	9860.3	7294.3	4909.5	3102.8	2057.9	1552.8	1360.9	1178.5
-27.5°	13276.8	11037.0	9038.5	7143.9	5099.3	3322.8	2148.6	1552.8	1392.7	1228.6	1059.6
-30°	9988.7	8389.8	6688.7	5038.0	3508.9	2231.2	1572.1	1384.4	1251.7	1107.6	957.6
-32.5°	7455.8	6101.7	4675.3	3383.8	2283.2	1653.1	1394.2	1233.3	1126.4	1001.3	885.9
-35°	5148.1	4082.9	2969.2	2198.5	1616.5	1418.6	1273.4	1143.5	1015.7	907.3	822.6
-37.5°	3223.4	2466.3	1978.9	1546.2	1418.5	1293.9	1177.6	1048.4	920.6	840.4	767.2
-40°	2041.7	1631.9	1509.5	1394.8	1292.9	1193.1	1068.9	945.3	859.9	779.6	715.7
-42.5°	1542.2	1450.1	1358.7	1272.2	1177.3	1064.9	956.8	876.1	800.1	731.0	676.4
-45°	1385.5	1311.0	1231.8	1138.6	1038.1	955.7	879.3	810.4	744.7	693.8	641.5
-47.5°	1237.6	1161.2	1079.7	1009.6	940.5	872.7	810.9	749.8	709.5	662.0	595.4
-50°	1082.2	1031.4	974.6	914.7	860.2	803.7	761.0	721.9	675.2	615.2	544.6
-52.5°	988.1	946.3	898.7	844.6	805.5	773.2	735.8	683.3	628.6	557.3	480.8
-55°	933.8	897.6	863.6	826.3	782.4	735.0	686.1	627.7	557.7	486.0	416.5
-57.5°	929.3	888.3	839.0	786.5	730.7	671.2	608.4	544.2	479.5	414.4	350.5
-60°	890.6	840.9	773.5	705.7	638.6	576.5	516.5	457.1	398.6	340.2	283.3
-62.5°	770.1	715.9	652.8	588.4	527.9	472.3	417.6	363.0	312.2	263.7	217.8
-65°	599.1	550.8	500.3	451.3	401.8	352.0	305.4	266.8	231.0	193.5	155.2
-67.5°	424.2	388.5	349.5	311.6	279.8	249.0	218.9	187.5	161.9	140.0	117.7
-70°	278.3	256.2	232.5	208.3	188.1	169.9	150.5	131.2	113.0	96.3	79.1
-72.5°	172.7	160.2	147.0	133.2	119.0	106.3	93.7	80.4	67.0	53.3	43.2
-75°	99.3	90.7	81.4	72.4	62.9	52.9	47.0	42.9	38.8	34.7	30.4
-77.5°	53.7	48.9	44.5	41.4	38.0	34.2	30.5	27.8	26.0	24.4	22.7
-80°	35.7	32.9	30.2	27.9	25.7	23.4	21.4	20.2	19.1	18.2	17.4
-82.5°	24.2	22.2	20.3	19.0	17.7	16.4	15.2	14.7	14.2	13.7	13.1
-85°	16.7	15.0	13.2	12.6	12.0	11.4	10.9	10.7	10.5	10.2	10.0
-87.5°	11.2	9.6	8.1	8.1	8.0	8.0	7.9	8.0	8.1	8.2	8.3
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	6.2	6.2	6.2	6.2	6.7	7.3	7.8	8.3	8.3	8.3	8.3
85°	6.4	6.5	6.5	6.5	6.9	7.3	7.8	8.3	8.3	8.3	8.3
82.5°	6.8	7.2	7.5	7.7	7.7	7.8	8.0	8.3	8.4	8.3	8.3
80°	6.8	7.3	7.9	8.3	8.3	8.3	8.2	8.3	8.6	8.7	8.6
77.5°	7.4	7.6	7.9	8.3	8.3	8.3	8.3	8.4	8.8	9.1	9.1
75°	8.3	8.2	8.2	8.4	8.4	8.3	8.3	8.5	8.9	9.4	9.6
72.5°	8.3	8.3	8.3	8.5	8.8	8.9	8.6	8.5	9.0	9.5	10.0
70°	9.7	8.6	8.3	8.6	9.1	9.5	9.4	9.1	9.1	9.5	10.0
67.5°	12.4	11.2	9.9	9.0	9.2	9.7	10.2	9.8	9.5	9.6	10.1
65°	15.6	13.8	12.2	10.7	9.8	9.8	10.2	10.3	10.0	9.9	10.1
62.5°	19.6	16.4	14.4	12.3	10.8	10.2	10.3	10.3	10.3	10.1	10.2
60°	24.1	19.3	16.5	14.3	12.1	10.5	10.3	10.3	10.3	10.3	10.3
57.5°	28.8	21.5	18.4	16.1	13.9	11.5	10.3	10.3	10.3	10.3	10.3
55°	32.0	24.3	20.3	17.5	15.4	13.1	10.8	10.3	10.3	10.3	10.3
52.5°	31.6	26.2	22.4	18.8	16.3	14.5	12.2	10.3	10.3	10.3	10.3
50°	28.5	26.9	23.7	20.0	17.1	15.2	13.4	11.2	10.3	10.3	10.3
47.5°	27.3	27.3	24.6	20.9	17.7	15.9	14.2	12.1	10.3	10.3	10.3
45°	26.8	28.1	25.8	21.9	18.3	16.5	14.7	12.9	11.0	10.4	10.3
42.5°	27.4	29.5	28.0	22.9	20.1	17.1	15.2	13.4	11.5	10.5	10.4
40°	35.1	31.7	31.0	28.1	22.6	17.7	15.7	13.9	12.0	10.8	10.5
37.5°	45.3	38.8	34.3	37.5	27.3	20.5	16.2	14.2	12.7	11.4	10.8
35°	67.0	50.0	47.3	50.0	38.9	23.7	16.6	14.6	13.3	12.0	11.0
32.5°	94.3	75.0	71.6	65.0	53.5	27.3	18.6	15.6	14.0	12.6	11.3
30°	134.3	120.9	102.3	83.1	70.2	40.6	22.4	16.9	14.6	13.1	11.6
27.5°	195.0	171.9	140.2	111.0	87.6	56.7	27.4	18.6	15.1	13.6	12.1
25°	265.2	229.5	188.6	145.1	107.0	78.8	32.7	20.6	16.2	14.1	12.5
22.5°	350.7	291.4	240.1	182.8	136.4	103.8	44.4	24.9	17.6	14.6	12.9
20°	439.9	356.2	295.5	224.8	171.6	128.5	63.6	29.3	19.2	15.0	13.3
17.5°	532.8	439.0	362.2	274.5	207.8	155.1	84.1	33.7	20.9	15.4	13.6
15°	658.0	544.7	435.2	327.1	242.3	183.0	105.3	38.1	22.6	15.8	14.0
12.5°	790.2	655.0	512.4	381.5	275.1	211.6	126.8	42.4	24.4	16.9	14.4
10°	921.2	767.8	592.2	436.4	306.0	240.5	147.9	48.4	28.4	18.8	14.9
7.5°	1049.9	880.6	672.4	490.5	339.1	278.1	182.7	58.2	32.8	20.8	15.3
5°	1166.1	981.2	751.5	556.8	391.9	324.3	219.5	68.1	37.2	22.8	15.7
2.5°	1239.9	1059.3	825.8	620.4	443.4	368.7	254.7	77.7	41.4	24.9	16.1
0°	1306.0	1128.6	893.4	678.8	493.1	410.6	286.8	86.7	45.4	26.8	16.5
-2.5°	1347.9	1169.2	930.4	725.2	544.5	456.6	325.7	112.1	60.1	34.6	19.7
-5°	1382.9	1201.0	961.4	766.5	593.5	499.3	359.1	136.1	74.2	41.9	22.8
-7.5°	1395.7	1207.3	977.4	799.2	639.8	538.2	386.1	158.0	87.1	48.7	25.6
-10°	1395.8	1193.9	972.2	798.7	651.0	554.6	402.4	177.3	98.7	54.7	28.1
-12.5°	1385.9	1171.4	962.2	792.7	653.0	550.1	390.6	189.9	108.5	59.7	30.2
-15°	1365.3	1139.6	948.0	781.1	651.6	542.8	376.0	198.2	116.0	63.9	31.9
-17.5°	1323.4	1098.8	930.0	763.9	646.7	532.6	359.3	203.8	121.6	67.4	33.6
-20°	1224.7	1040.0	907.9	741.1	637.9	519.9	341.1	206.4	125.1	69.3	35.3



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1120.9	972.2	851.7	726.2	623.3	504.7	322.2	205.9	126.2	69.8	36.4
-25°	1014.3	903.0	790.9	691.9	602.4	476.2	311.1	202.2	124.9	68.6	36.8
-27.5°	928.5	833.9	732.3	657.5	568.2	448.7	305.3	200.1	122.0	65.7	36.5
-30°	851.3	769.9	689.7	621.9	533.3	409.6	295.4	194.9	118.4	63.7	35.4
-32.5°	791.0	710.5	652.0	582.2	490.4	369.9	274.1	186.1	112.5	62.4	34.6
-35°	742.8	670.3	614.9	542.7	444.2	338.6	247.9	173.9	103.9	59.9	33.4
-37.5°	695.4	639.7	572.3	498.4	398.2	304.6	223.7	154.8	92.9	56.4	31.4
-40°	662.0	604.1	534.3	448.7	356.5	268.0	197.6	136.3	85.6	51.8	28.8
-42.5°	626.8	561.1	485.9	400.0	313.9	237.2	170.4	116.7	77.5	47.4	25.3
-45°	578.9	512.0	432.7	351.7	270.2	204.7	147.9	97.8	68.4	42.6	22.4
-47.5°	526.4	453.8	379.5	302.5	233.0	172.7	124.4	86.9	58.8	36.8	20.8
-50°	463.8	395.9	326.3	259.1	195.4	146.2	103.0	75.3	50.6	29.6	18.8
-52.5°	406.5	339.4	276.8	216.4	164.0	118.9	89.3	63.2	41.7	25.2	16.5
-55°	348.3	285.5	228.7	177.5	132.2	100.3	74.9	52.3	32.2	21.8	14.1
-57.5°	289.9	232.4	183.8	139.4	107.9	83.5	60.9	40.7	26.5	18.1	13.8
-60°	230.1	182.5	138.8	111.7	88.6	66.7	46.9	30.6	21.7	14.8	13.4
-62.5°	173.5	135.1	111.4	89.8	69.0	49.7	33.5	24.5	16.6	14.3	12.9
-65°	130.3	107.4	86.7	67.0	48.8	34.5	26.0	18.1	15.0	13.7	12.6
-67.5°	97.0	77.8	60.0	43.2	33.8	26.1	18.2	15.6	14.3	13.1	12.6
-70°	62.4	46.7	38.0	31.4	24.5	18.4	16.2	14.8	13.7	12.9	12.5
-72.5°	38.0	32.7	27.3	21.8	19.1	16.9	15.2	14.1	13.2	12.7	12.4
-75°	25.9	23.2	20.9	18.7	16.7	15.2	14.2	13.3	12.8	12.4	11.9
-77.5°	20.7	18.8	17.1	15.8	14.7	13.8	13.1	12.6	12.2	11.8	11.3
-80°	16.3	15.3	14.3	13.5	12.9	12.4	12.1	11.7	11.4	11.1	10.7
-82.5°	12.5	12.2	11.9	11.8	11.6	11.3	11.1	10.9	10.6	10.3	10.1
-85°	10.1	10.2	10.4	10.6	10.5	10.3	10.1	10.0	9.8	9.7	9.5
-87.5°	8.6	8.9	9.2	9.4	9.4	9.3	9.2	9.1	9.1	9.0	8.9
-90°	6.2	6.2	6.2	6.2	6.7	7.3	7.8	8.3	8.3	8.3	8.3



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.3	8.3	8.3	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°	8.4	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.9	8.4	8.3	8.3	8.3	8.3	8.3
75°	9.4	8.9	8.4	8.3	8.3	8.3	8.3
72.5°	9.9	9.3	8.7	8.3	8.3	8.3	8.3
70°	10.3	9.7	9.0	8.3	8.3	8.3	8.3
67.5°	10.3	10.1	9.3	8.6	8.3	8.3	8.3
65°	10.3	10.3	9.7	8.8	8.3	8.3	8.3
62.5°	10.3	10.3	10.0	9.1	8.3	8.3	8.3
60°	10.3	10.3	10.3	9.3	8.3	8.3	8.3
57.5°	10.3	10.3	10.3	9.5	8.4	8.3	8.3
55°	10.3	10.3	10.3	9.7	8.6	8.3	8.3
52.5°	10.3	10.3	10.3	9.9	8.7	8.3	8.3
50°	10.3	10.3	10.3	10.2	8.9	8.3	8.3
47.5°	10.3	10.3	10.3	10.3	9.0	8.3	8.3
45°	10.3	10.3	10.3	10.3	9.1	8.3	8.3
42.5°	10.3	10.3	10.3	10.3	9.2	8.3	8.3
40°	10.3	10.3	10.3	10.3	9.4	8.3	8.3
37.5°	10.3	10.3	10.3	10.3	9.5	8.3	8.3
35°	10.3	10.3	10.3	10.3	9.6	8.3	8.3
32.5°	10.4	10.3	10.3	10.3	9.7	8.3	8.3
30°	10.6	10.3	10.3	10.3	9.8	8.3	8.3
27.5°	10.8	10.3	10.3	10.3	9.8	8.3	8.3
25°	11.1	10.3	10.3	10.3	9.9	8.3	8.3
22.5°	11.3	10.3	10.3	10.3	10.0	8.3	8.3
20°	11.6	10.5	10.3	10.3	10.1	8.3	8.3
17.5°	11.9	10.7	10.3	10.3	10.1	8.3	8.3
15°	12.1	10.9	10.3	10.3	10.2	8.3	8.3
12.5°	12.2	11.1	10.3	10.3	10.2	8.3	8.3
10°	12.3	11.4	10.3	10.3	10.2	8.3	8.3
7.5°	12.4	11.6	10.3	10.3	10.3	8.3	8.3
5°	12.4	11.9	10.3	10.3	10.3	8.3	8.3
2.5°	12.4	12.2	10.3	10.3	10.3	8.3	8.3
0°	12.4	12.4	10.3	10.3	10.3	8.3	8.3
-2.5°	13.5	12.4	10.3	10.3	10.3	8.3	8.3
-5°	14.5	12.4	10.3	10.3	10.3	8.3	8.3
-7.5°	15.5	12.3	10.3	10.3	10.3	8.3	8.3
-10°	16.4	12.2	10.3	10.3	10.2	8.3	8.3
-12.5°	17.1	12.1	10.3	10.3	10.2	8.3	8.3
-15°	17.5	12.0	10.3	10.3	10.2	8.3	8.3
-17.5°	17.8	11.9	10.3	10.3	10.1	8.3	8.3
-20°	18.2	11.8	10.3	10.3	10.1	8.3	8.3



REPORT NUMBER: P731727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	19.0	11.6	10.3	10.3	10.0	8.3	8.3
-25°	19.3	11.7	10.3	10.3	9.9	8.3	8.3
-27.5°	19.2	11.9	10.3	10.3	9.8	8.3	8.3
-30°	18.7	12.0	10.3	10.3	9.8	8.3	8.3
-32.5°	17.6	11.9	10.4	10.3	9.7	8.3	8.3
-35°	17.2	11.6	10.5	10.3	9.6	8.3	8.3
-37.5°	16.9	11.4	10.6	10.3	9.5	8.3	8.3
-40°	16.3	11.5	10.6	10.3	9.4	8.3	8.3
-42.5°	15.5	11.5	10.7	10.3	9.2	8.3	8.3
-45°	14.4	11.5	10.7	10.4	9.1	8.3	8.3
-47.5°	13.1	11.5	10.8	10.4	9.0	8.3	8.3
-50°	12.8	11.5	10.9	10.3	8.9	8.3	8.3
-52.5°	12.6	11.4	10.9	10.1	8.7	8.3	8.3
-55°	12.5	11.4	11.0	10.0	8.6	8.3	8.3
-57.5°	12.2	11.5	11.0	9.8	8.4	8.3	8.3
-60°	12.0	11.5	11.1	9.6	8.3	8.3	8.3
-62.5°	12.1	11.6	10.8	9.4	8.3	8.3	8.3
-65°	12.1	11.6	10.5	9.2	8.3	8.3	8.3
-67.5°	12.2	11.5	10.2	9.0	8.3	8.3	8.3
-70°	12.2	11.1	9.9	8.8	8.3	8.3	8.3
-72.5°	11.8	10.7	9.6	8.7	8.3	8.3	8.3
-75°	11.3	10.3	9.3	8.6	8.3	8.3	8.3
-77.5°	10.8	9.9	9.1	8.6	8.3	8.3	8.3
-80°	10.3	9.6	9.0	8.5	8.3	8.3	8.3
-82.5°	9.8	9.3	8.8	8.5	8.3	8.3	8.3
-85°	9.3	8.9	8.6	8.4	8.3	8.3	8.3
-87.5°	8.8	8.6	8.5	8.4	8.3	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

