

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: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-2S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731624 (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-40-80-2S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

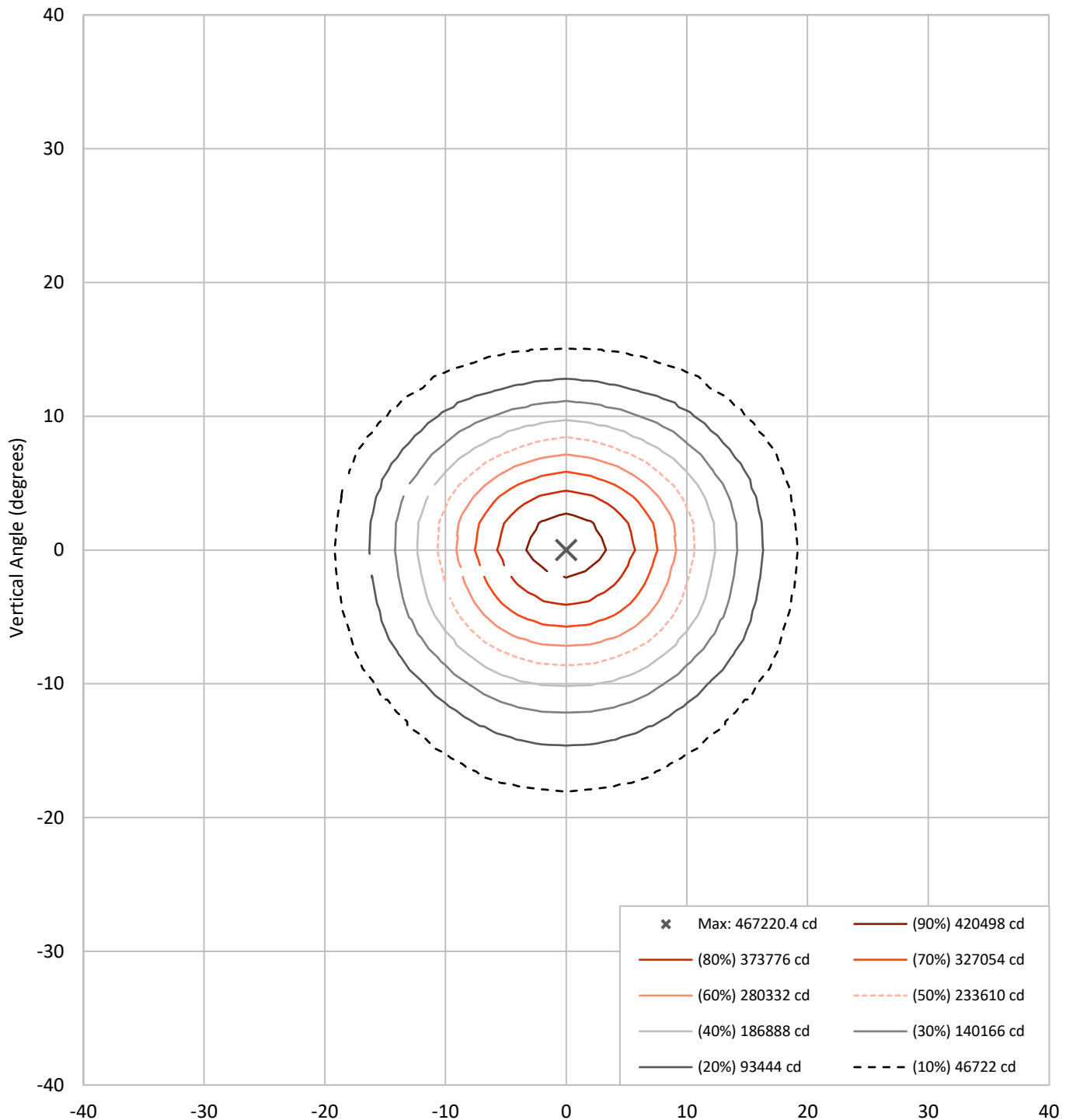
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	63018.4 lumens	Max Intensity:	467220.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	89.6 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:	27578.4 lumens	Field Lumens:	53379.9 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





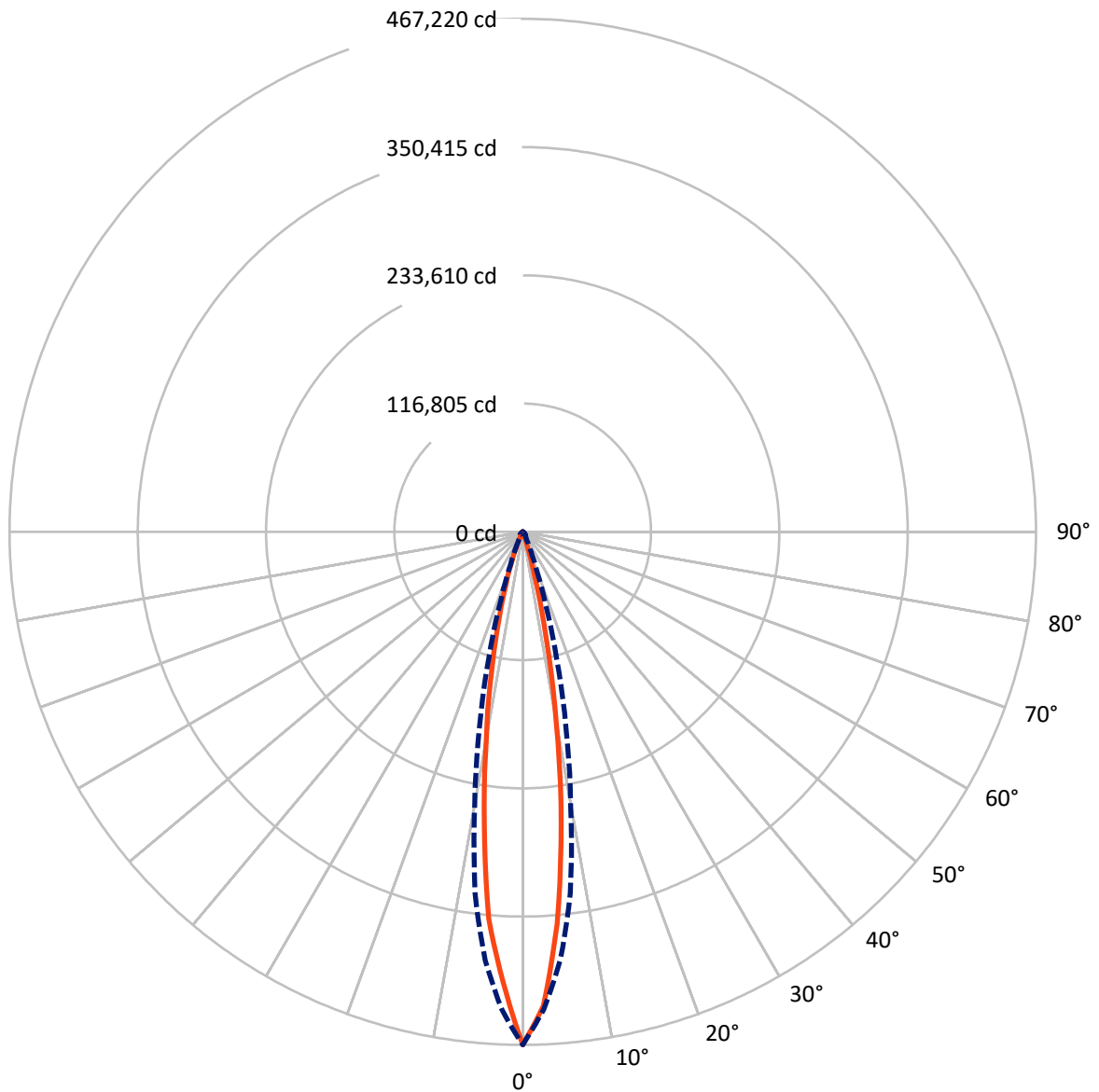
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Lumen Table

90	0.2		0.5		0.7		0.8		1.0		0.8		0.7		0.5		0.2	
80	0.2		0.5		0.7		0.8		1.0		0.8		0.7		0.5		0.2	
70	0.2	0.1	0.2	0.7	0.8	0.4	0.2	0.2	0.2	0.2	0.4	0.8	0.7	0.2	0.1	0.2	0.2	0.2
60		0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1			
50	0.2	0.2	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2
40		0.3	0.6	0.9	1.7	2.3	2.7	3.1	3.1	2.7	2.3	1.7	0.9	0.6	0.3			
30	0.3	0.5	1.6	4.0	7.9	10.1	17.9	37.9	37.9	17.9	10.1	7.9	4.0	1.6	0.5	0.3	0.3	0.3
20		1.2	5.8	19.4	40.5	73.5	507.0	1561.6	1561.6	507.0	73.5	40.5	19.4	5.8	1.2			
10	0.4	2.2	12.0	47.1	94.4	299.8	2927.1	8701.1	8701.1	2927.1	299.8	94.4	47.1	12.0	2.2	0.4	0.4	0.4
0		2.9	14.3	55.1	107.8	312.8	2987.7	8748.0	8748.0	2987.7	312.8	107.8	55.1	14.3	2.9			
-10	0.7	3.1	12.5	41.1	83.2	135.0	825.0	2450.8	2450.8	825.0	135.0	83.2	41.1	12.5	3.1	0.7	0.7	0.7
-20		3.0	10.5	24.4	61.9	87.9	132.9	279.0	279.0	132.9	87.9	61.9	24.4	10.5	3.0			
-30	0.6	2.7	8.5	16.9	37.9	72.5	92.4	99.2	99.2	92.4	72.5	37.9	16.9	8.5	2.7	0.6	0.6	0.6
-40		1.8	6.3	13.5	22.9	37.1	60.3	78.4	78.4	60.3	37.1	22.9	13.5	6.3	1.8			
-50	0.4	0.9	3.6	8.5	15.5	22.6	27.9	31.0	31.0	27.9	22.6	15.5	8.5	3.6	0.9	0.4	0.4	0.4
-60		0.4	1.3	3.6	6.9	10.7	14.4	16.8	16.8	14.4	10.7	6.9	3.6	1.3	0.4			
-70	0.2	1.2		3.2		7.9		12.3		7.9		3.2		1.2		0.2	0.2	0.2
-80		1.2		3.2		7.9		12.3		7.9		3.2		1.2				
-90	0.2		1.2		3.2		7.9		12.3		7.9		3.2		1.2		0.2	

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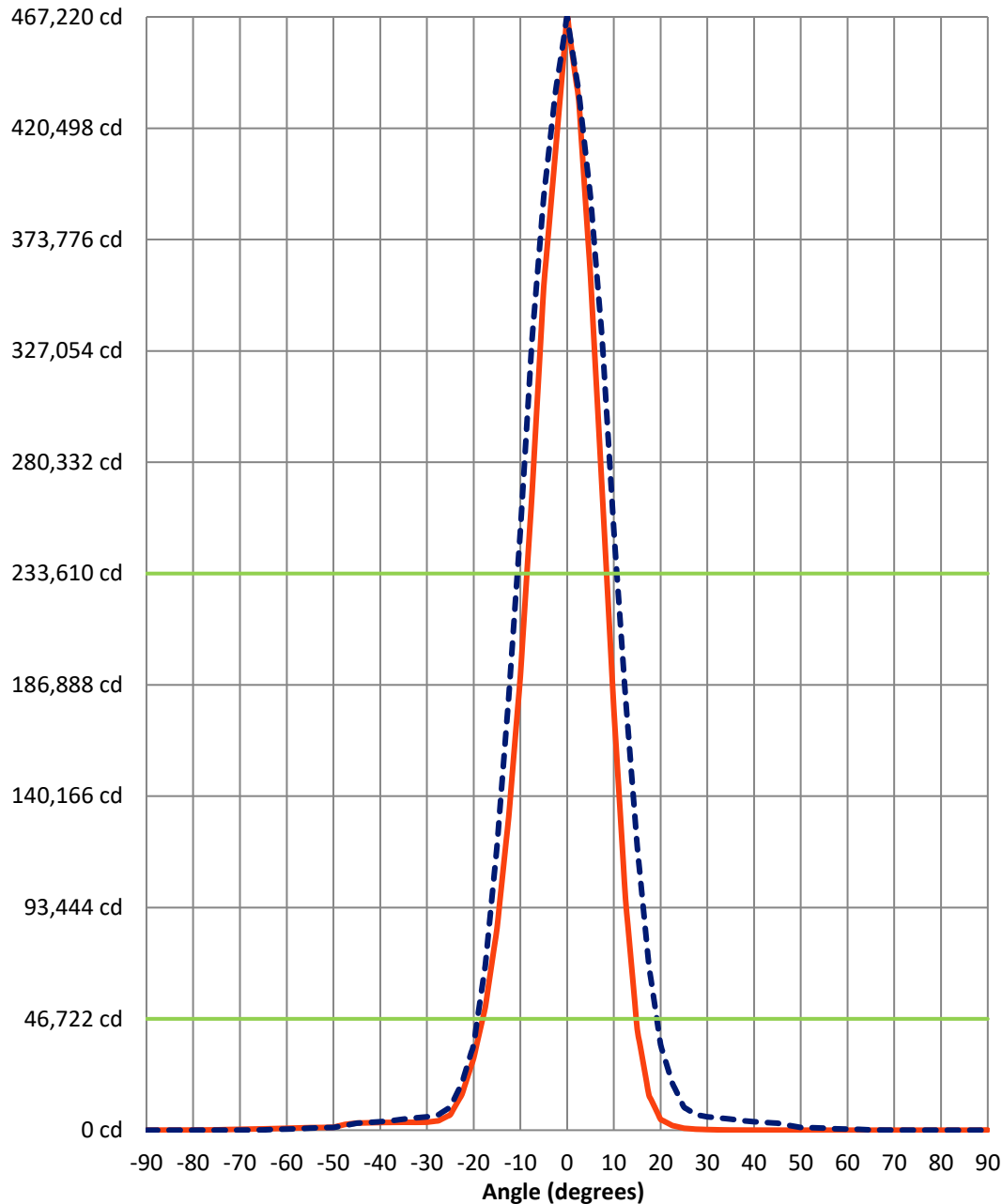
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.3°
 V Angle: 17°
 Lumens: 27578.4
 Efficiency: 43.8%

Field:
 H Angle: 38.4°
 V Angle: 32.9°
 Lumens: 53379.9
 Efficiency: 84.7%

Spill:
 Lumens: 9638.5
 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°	7.8	7.8	7.8	8.3	8.8	9.2	9.7	10.2	10.7	11.2	11.7
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.1	6.9	6.6
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.6	7.5	7.5	7.5
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	8.0	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	8.0	8.1	7.9	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	8.2	8.2	8.0	7.8	7.8	7.8	7.9
67.5°	7.8	7.8	7.8	8.0	8.4	8.4	8.0	7.8	7.8	8.1	8.0
65°	7.8	7.8	7.8	8.2	8.6	8.5	8.1	7.8	8.2	8.4	8.2
62.5°	7.8	7.8	7.8	8.4	8.8	8.5	8.1	8.1	8.7	8.7	8.3
60°	7.8	7.8	7.8	8.6	9.0	8.6	8.2	8.6	9.1	8.8	8.4
57.5°	7.8	7.8	7.9	8.8	9.0	8.6	8.6	9.2	9.3	8.9	9.0
55°	7.8	7.8	8.1	9.0	9.1	8.7	9.1	9.8	9.4	9.1	9.8
52.5°	7.8	7.8	8.2	9.2	9.1	8.8	9.6	9.9	9.5	9.9	10.6
50°	7.8	7.8	8.3	9.4	9.2	9.2	10.1	10.1	9.7	10.6	12.2
47.5°	7.8	7.8	8.5	9.6	9.2	9.6	10.5	10.3	10.4	11.3	13.6
45°	7.8	7.8	8.6	9.6	9.3	10.0	10.7	10.6	11.1	12.2	14.7
42.5°	7.8	7.8	8.7	9.7	9.4	10.4	11.0	11.1	11.8	12.8	16.2
40°	7.8	7.8	8.8	9.7	9.5	10.7	11.3	11.7	12.6	13.3	17.7
37.5°	7.8	7.8	8.9	9.8	9.8	11.1	11.7	12.4	13.5	14.7	18.9
35°	7.8	7.8	9.0	9.8	10.1	11.4	12.0	13.0	14.6	16.8	19.6
32.5°	7.8	7.8	9.1	9.9	10.4	11.7	12.4	13.6	15.7	18.9	21.3
30°	7.8	7.8	9.2	10.0	10.6	12.0	12.9	14.2	16.9	21.0	23.3
27.5°	7.8	7.8	9.3	10.1	10.9	12.3	13.4	15.2	18.3	23.1	25.6
25°	7.8	7.8	9.3	10.2	11.1	12.6	13.9	16.2	20.1	25.1	28.3
22.5°	7.8	7.8	9.4	10.4	11.2	12.9	14.3	17.2	21.8	27.1	33.6
20°	7.8	7.8	9.5	10.5	11.4	13.0	14.8	18.2	23.4	29.4	39.6
17.5°	7.8	7.8	9.5	10.6	11.5	13.2	15.1	19.2	25.1	31.7	45.9
15°	7.8	7.8	9.6	10.8	11.6	13.3	15.5	20.1	26.6	34.1	52.6
12.5°	7.8	7.8	9.6	11.0	11.6	13.4	15.9	20.8	28.2	36.5	59.5
10°	7.8	7.8	9.6	11.1	11.7	13.5	16.2	21.5	29.7	40.6	67.6
7.5°	7.8	7.8	9.7	11.3	11.7	13.5	16.6	22.0	31.2	45.1	78.4
5°	7.8	7.8	9.7	11.4	11.7	13.6	16.9	22.5	32.6	49.6	89.1
2.5°	7.8	7.8	9.7	11.6	11.7	13.6	17.2	23.0	33.9	54.1	99.4
0°	7.8	7.8	9.7	11.7	11.7	13.6	17.5	23.3	35.0	58.3	108.9
-2.5°	7.8	7.8	9.8	11.8	12.0	14.0	19.0	27.8	44.1	72.2	126.5
-5°	7.8	7.9	9.9	11.9	12.4	14.4	20.5	32.2	52.7	85.4	142.8
-7.5°	7.8	7.9	9.9	12.0	12.7	14.8	21.8	36.2	60.8	97.7	157.8
-10°	7.8	8.0	10.0	12.1	13.0	15.2	23.0	39.8	68.1	108.9	171.2
-12.5°	7.8	8.0	10.0	12.2	13.3	15.5	23.9	42.8	74.4	118.8	182.7
-15°	7.8	8.0	10.1	12.2	13.6	15.8	24.7	45.1	80.0	127.2	192.2
-17.5°	7.8	8.1	10.1	12.3	13.8	16.1	25.1	47.5	85.1	134.3	199.6
-20°	7.8	8.1	10.2	12.3	14.1	16.4	25.6	49.6	88.9	139.9	204.8



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	8.1	10.2	12.4	14.2	16.6	26.2	50.7	91.3	143.8	207.7
-25°	7.8	8.2	10.2	12.4	14.4	17.0	26.3	50.6	92.3	146.2	208.2
-27.5°	7.8	8.2	10.2	12.4	14.5	17.3	25.9	49.4	91.7	146.9	210.0
-30°	7.8	8.2	10.2	12.4	14.5	17.6	24.9	46.8	90.1	145.8	209.7
-32.5°	7.8	8.2	10.2	12.3	14.6	17.7	23.3	45.1	87.1	142.7	207.2
-35°	7.8	8.2	10.1	12.3	14.6	17.6	22.8	43.2	82.2	137.3	202.3
-37.5°	7.8	8.3	10.1	12.3	14.6	17.6	22.7	40.4	75.4	129.7	188.0
-40°	7.8	8.3	10.1	12.2	14.6	17.5	22.5	36.7	66.7	120.3	171.6
-42.5°	7.8	8.3	10.0	12.1	14.5	17.4	22.1	32.0	59.8	105.2	153.4
-45°	7.8	8.3	10.0	12.1	14.4	17.3	21.4	28.5	53.4	88.5	133.7
-47.5°	7.8	8.3	9.9	12.0	14.3	17.1	20.5	27.5	45.7	70.9	113.8
-50°	7.8	8.3	9.8	11.8	14.1	16.9	20.1	26.1	36.1	60.0	92.8
-52.5°	7.8	8.3	9.7	11.7	13.9	16.6	19.7	24.5	31.4	48.5	71.6
-55°	7.8	8.2	9.6	11.5	13.7	16.2	19.3	22.8	28.9	36.5	58.2
-57.5°	7.8	8.2	9.5	11.3	13.4	15.9	18.8	22.1	26.3	31.6	44.2
-60°	7.8	8.2	9.4	11.1	13.1	15.5	18.2	21.3	24.0	28.8	33.4
-62.5°	7.8	8.2	9.4	10.9	12.8	15.0	17.6	20.3	22.8	25.9	30.4
-65°	7.8	8.2	9.3	10.7	12.4	14.5	16.9	19.3	21.5	24.1	27.3
-67.5°	7.8	8.1	9.1	10.4	12.0	13.9	16.2	18.4	20.2	22.4	25.0
-70°	7.8	8.1	9.0	10.2	11.6	13.3	15.4	17.4	19.2	20.7	22.9
-72.5°	7.8	8.1	8.9	9.9	11.2	12.7	14.5	16.5	18.3	19.8	21.0
-75°	7.8	8.0	8.7	9.7	10.7	12.1	13.6	15.5	17.4	18.9	20.2
-77.5°	7.8	8.0	8.6	9.5	10.4	11.4	12.7	14.4	16.2	17.9	19.4
-80°	7.8	8.0	8.4	9.3	10.1	10.9	11.8	13.3	14.9	16.5	18.1
-82.5°	7.8	7.9	8.3	9.0	9.7	10.5	11.2	12.4	13.7	15.1	16.5
-85°	7.8	7.9	8.1	8.8	9.4	10.1	10.7	11.7	12.7	13.8	15.0
-87.5°	7.8	7.8	8.0	8.5	9.1	9.7	10.2	10.9	11.7	12.5	13.3
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.7	11.7	11.7	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.1
87.5°	6.5	6.3	6.1	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
85°	7.2	6.8	6.4	6.1	6.1	6.1	6.0	5.8	5.6	5.4	5.2
82.5°	7.5	7.3	7.2	7.2	7.1	6.8	6.3	5.8	5.8	5.8	5.8
80°	7.7	7.8	7.8	7.8	7.4	6.9	6.4	5.9	5.8	5.9	5.9
77.5°	7.8	7.8	7.8	7.8	7.4	7.1	6.9	6.9	6.9	6.7	6.4
75°	7.8	7.8	7.8	7.8	7.7	7.7	7.8	7.8	7.6	7.5	7.5
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.4	11.6	13.0
70°	7.8	7.8	7.8	7.8	7.8	8.5	11.3	15.1	18.9	21.1	23.6
67.5°	7.8	7.8	7.8	8.2	10.2	13.3	17.6	25.9	35.2	37.9	37.8
65°	7.8	7.8	8.8	10.7	13.3	19.9	28.8	39.7	48.0	46.6	43.3
62.5°	7.8	8.7	10.5	13.9	19.4	27.5	35.9	43.8	51.9	49.7	42.3
60°	8.6	9.8	13.4	18.9	24.7	30.4	38.4	43.5	47.9	48.1	37.1
57.5°	9.5	12.0	17.4	23.0	27.6	31.3	34.7	38.6	39.9	39.0	28.4
55°	11.0	15.1	20.8	25.9	29.0	27.4	29.0	29.8	29.3	26.7	18.7
52.5°	13.5	18.0	23.7	27.8	27.9	24.5	21.7	21.8	19.9	16.3	13.9
50°	15.7	20.8	26.3	28.5	26.5	21.0	16.4	15.9	14.6	13.1	11.7
47.5°	17.8	23.4	28.3	29.0	23.7	19.3	15.2	13.8	13.0	12.7	12.1
45°	19.9	25.0	30.0	26.9	22.3	19.1	16.3	13.5	13.9	13.8	13.2
42.5°	21.7	26.0	28.3	25.1	22.8	20.6	18.6	16.7	15.6	15.9	15.8
40°	22.4	26.6	26.9	26.4	24.2	23.5	23.2	21.7	18.4	19.9	20.3
37.5°	22.7	26.3	27.6	29.7	27.4	28.1	29.0	29.4	27.1	25.7	29.5
35°	22.7	26.8	32.3	35.4	33.8	34.6	38.0	39.3	38.4	37.8	44.9
32.5°	23.2	28.2	38.8	42.4	44.7	45.8	48.7	51.4	54.2	58.5	71.9
30°	25.9	34.2	46.4	50.4	58.0	66.4	64.2	65.8	72.9	99.3	122.1
27.5°	31.6	42.5	54.1	62.5	75.0	92.8	95.5	87.8	110.8	151.0	188.6
25°	38.3	68.4	62.4	77.0	100.8	124.7	135.7	140.9	168.0	222.3	264.5
22.5°	52.7	103.1	100.5	92.9	130.6	161.7	189.0	243.3	319.6	336.7	345.7
20°	78.0	137.3	147.1	154.8	175.2	203.4	250.6	380.5	542.9	602.6	540.5
17.5°	108.0	174.9	199.1	234.7	281.2	290.1	329.1	544.2	823.6	921.0	939.9
15°	141.7	215.1	254.4	324.1	394.7	428.3	541.8	809.1	1130.7	1289.9	1400.2
12.5°	177.8	257.3	312.1	420.8	514.1	567.3	809.5	1217.0	1525.6	1711.6	2002.7
10°	215.3	300.7	371.3	522.3	637.7	706.3	1105.1	1638.2	1949.2	2160.7	2535.2
7.5°	254.2	342.6	430.1	626.0	763.5	844.5	1416.3	2063.2	2361.7	2592.2	2969.4
5°	291.6	381.2	482.4	713.3	867.9	964.1	1704.8	2480.2	2762.3	3006.7	3344.5
2.5°	325.8	418.1	533.1	793.5	955.5	1054.4	1868.9	2718.4	3017.6	3308.6	3678.6
0°	355.7	452.9	581.2	867.0	1038.0	1141.1	2002.2	2925.6	3234.7	3551.5	3994.7
-2.5°	360.1	463.4	596.1	860.2	1022.6	1127.8	1967.3	2893.6	3269.5	3639.2	4101.9
-5°	359.8	471.2	607.0	846.7	1002.6	1110.5	1898.8	2820.6	3256.9	3623.4	4057.9
-7.5°	355.7	475.8	613.7	826.8	971.7	1071.6	1767.2	2641.0	3098.4	3421.4	3838.8
-10°	348.6	474.2	604.5	792.9	927.7	1019.0	1599.1	2428.9	2931.7	3215.1	3586.2
-12.5°	339.5	467.4	590.0	756.6	884.8	965.2	1404.1	2188.6	2761.1	3010.1	3313.8
-15°	329.1	458.9	573.0	719.4	844.5	910.9	1184.4	1923.6	2592.7	2851.3	3089.0
-17.5°	317.9	448.9	553.7	682.6	808.3	856.9	947.1	1634.7	2353.0	2678.4	2919.4
-20°	306.9	437.7	532.4	647.2	774.1	821.4	879.8	1356.7	2004.4	2478.7	2733.7



REPORT NUMBER: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	296.5	425.4	512.4	618.2	735.6	802.0	847.1	1085.0	1636.4	2255.6	2535.5
-25°	292.4	407.3	495.7	591.2	698.9	784.0	816.7	856.6	1301.1	1894.4	2334.8
-27.5°	291.6	392.1	477.2	562.1	662.5	760.7	794.8	824.3	1050.8	1531.8	2102.5
-30°	287.7	371.4	456.6	533.3	627.5	719.6	777.9	810.5	861.4	1233.1	1708.2
-32.5°	275.1	349.5	432.3	508.6	591.3	680.1	764.0	803.9	845.7	947.9	1346.0
-35°	258.6	329.5	406.4	481.6	554.1	641.6	727.8	798.6	830.1	877.6	1043.6
-37.5°	243.3	307.3	379.8	452.6	522.8	601.8	689.1	768.4	823.4	860.3	919.5
-40°	225.9	283.2	353.0	422.9	490.3	562.2	643.2	725.2	799.5	862.9	908.5
-42.5°	206.3	261.7	324.5	392.1	455.4	523.3	595.1	674.6	758.7	845.6	910.2
-45°	184.3	238.0	294.6	356.0	417.3	481.2	549.0	620.4	705.8	794.3	880.5
-47.5°	160.2	211.9	265.6	317.5	375.8	435.9	499.3	569.1	644.6	728.5	817.0
-50°	135.1	183.1	233.2	281.1	331.6	387.6	446.2	513.0	583.4	656.8	736.2
-52.5°	110.4	152.3	198.6	244.7	289.5	337.2	392.1	452.2	517.0	584.9	651.2
-55°	84.5	122.6	162.4	205.9	249.0	290.5	336.3	390.3	445.9	507.4	566.2
-57.5°	64.8	92.6	127.8	165.1	205.6	246.3	287.4	328.2	377.1	428.3	476.7
-60°	48.6	67.8	94.0	126.5	160.0	198.2	238.6	277.1	314.5	349.8	391.6
-62.5°	34.4	49.4	67.0	88.9	118.4	148.9	183.6	220.6	258.3	289.0	316.9
-65°	31.2	34.6	46.4	62.3	78.1	104.7	132.4	159.9	192.1	221.6	249.4
-67.5°	27.9	31.0	34.1	39.5	53.8	69.1	84.5	108.7	132.7	154.0	175.0
-70°	25.4	27.6	30.2	32.9	35.8	42.3	55.8	69.2	82.7	98.2	116.8
-72.5°	23.0	25.2	27.2	28.8	31.4	34.5	37.7	41.1	48.9	59.7	70.8
-75°	21.4	22.9	24.9	26.6	28.1	29.8	31.9	34.7	37.4	39.7	41.8
-77.5°	20.2	21.2	22.5	24.2	25.4	26.4	27.7	29.2	31.1	33.1	35.3
-80°	18.8	19.4	20.1	21.0	21.9	22.7	23.5	24.2	25.3	26.7	28.2
-82.5°	17.1	17.5	17.9	18.3	18.6	19.0	19.5	20.1	20.7	21.4	22.1
-85°	15.3	15.6	15.9	16.2	16.0	16.0	16.0	16.0	16.3	16.7	17.0
-87.5°	13.5	13.6	13.8	13.9	14.0	13.9	13.8	13.6	13.7	13.8	13.9
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4



REPORT NUMBER: P731624 (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°	15.6	15.6	15.6	15.6	15.6	20.9	26.2	31.6	36.9	46.1	55.4
87.5°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
85°	5.1	4.9	4.6	4.3	3.9	3.8	3.8	3.8	3.8	3.3	2.9
82.5°	5.8	5.4	4.9	4.4	3.9	3.5	3.1	2.6	2.1	2.0	1.9
80°	5.8	5.4	4.9	4.4	4.0	3.8	3.7	3.6	3.6	3.7	3.8
77.5°	6.1	5.8	5.3	4.7	4.1	3.9	3.9	3.9	3.9	3.5	3.0
75°	7.6	7.5	7.3	6.8	6.0	5.6	5.3	4.8	4.1	3.8	3.8
72.5°	13.8	13.7	13.0	12.3	10.8	9.8	9.5	9.0	8.5	8.4	8.3
70°	24.5	24.1	22.7	20.0	16.3	13.8	12.7	11.5	10.2	9.6	9.6
67.5°	34.4	30.5	26.9	23.1	18.5	15.1	13.3	11.3	9.3	8.2	8.1
65°	38.1	30.5	25.3	21.1	17.7	14.5	12.0	9.6	7.5	6.5	6.8
62.5°	34.3	25.3	19.7	16.1	13.3	11.3	9.3	7.7	6.4	5.9	5.9
60°	27.2	18.4	13.6	11.3	9.4	7.9	6.9	6.0	5.2	4.6	4.8
57.5°	19.7	13.1	9.6	8.8	7.8	6.4	5.5	5.2	5.1	5.2	5.5
55°	13.3	11.0	9.7	8.7	7.6	6.5	5.8	5.8	5.8	5.8	5.8
52.5°	11.1	10.5	9.9	9.0	7.9	6.8	5.8	5.8	5.8	5.8	5.8
50°	11.2	10.6	10.1	9.4	8.3	7.1	6.0	6.0	6.5	6.9	6.9
47.5°	11.4	10.9	10.5	9.8	8.9	8.4	7.8	8.0	8.7	8.9	8.8
45°	11.9	12.0	11.8	11.7	11.0	11.1	11.2	11.4	13.8	13.7	12.1
42.5°	14.6	15.5	16.4	16.9	14.6	18.9	25.6	28.6	25.1	20.3	17.1
40°	22.0	23.0	27.6	29.8	36.7	43.2	37.3	30.2	27.0	29.3	31.1
37.5°	34.9	41.5	50.5	61.1	56.8	45.2	45.5	45.4	44.2	48.0	47.9
35°	58.6	73.4	82.4	80.5	74.4	71.0	74.2	77.6	70.0	76.7	78.5
32.5°	94.2	112.0	114.4	108.3	108.6	114.5	125.2	123.7	126.0	133.7	142.5
30°	136.0	157.1	165.3	154.1	146.1	160.2	166.3	171.6	188.8	211.4	231.6
27.5°	204.7	220.1	234.2	222.5	199.3	216.7	229.0	225.3	272.8	298.2	354.9
25°	290.9	312.8	320.8	325.1	317.3	314.0	344.8	360.4	426.1	495.6	613.7
22.5°	397.2	457.0	473.9	451.8	476.6	494.1	514.9	585.1	716.3	929.6	1234.2
20°	532.2	654.1	752.3	736.5	678.0	752.7	837.3	1058.6	1441.8	2303.5	3008.7
17.5°	959.4	961.6	1157.7	1236.6	1140.2	1302.4	1717.7	2437.8	4021.8	6928.3	8812.7
15°	1619.6	1663.3	1753.5	1859.1	2032.6	2456.0	3292.7	6310.3	10854.6	17142.0	23593.6
12.5°	2319.4	2418.1	2572.4	2658.9	3012.7	4146.0	7734.8	14342.4	23934.4	36038.5	56117.0
10°	2920.9	3183.2	3382.1	3652.5	4565.4	7227.2	13420.0	24837.2	44172.5	70286.5	101150.1
7.5°	3346.2	3730.1	4066.5	4574.7	6470.6	11836.3	22222.8	41216.5	70421.5	107299.7	149845.1
5°	3773.8	4259.7	4636.9	5306.7	7687.4	15293.5	29115.2	56563.8	98735.2	148938.1	205838.2
2.5°	4208.4	4754.5	5170.1	5999.0	8465.8	17046.4	32612.0	65722.9	117457.4	178585.6	247666.7
0°	4645.9	5163.0	5600.4	6537.3	9674.8	19804.5	35905.8	69218.4	119201.9	181599.2	251719.6
-2.5°	4625.7	4967.2	5367.7	6093.7	8825.1	18230.9	33373.1	65416.1	112844.4	170721.0	234309.7
-5°	4449.8	4689.7	5007.0	5648.7	7895.2	15196.3	28863.4	55918.2	99666.7	152691.8	207501.9
-7.5°	4176.6	4377.8	4615.0	5144.7	6823.3	12095.0	23347.3	44849.3	79063.2	117479.5	159508.6
-10°	3914.5	4069.7	4238.2	4605.3	5683.9	8864.6	16563.3	30390.0	55036.8	83776.2	115760.7
-12.5°	3672.9	3796.7	3886.2	4041.4	4578.7	6420.8	11908.9	21796.6	35955.8	53758.4	77353.4
-15°	3426.7	3531.7	3578.0	3702.4	4053.9	4965.6	7177.9	13397.8	22477.0	33973.6	45937.3
-17.5°	3162.4	3287.1	3356.8	3436.8	3589.9	3967.5	5188.2	7803.5	13292.5	21010.8	28716.3
-20°	2945.0	3091.9	3151.6	3207.2	3348.4	3570.2	3918.7	5094.8	7099.7	11906.6	16698.2



REPORT NUMBER: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2735.1	2867.4	2945.1	3064.5	3247.1	3400.6	3514.9	3795.0	4627.8	5939.4	8281.2
-25°	2544.1	2658.6	2812.0	3041.2	3219.9	3329.7	3351.2	3363.2	3600.6	3860.9	4651.6
-27.5°	2351.8	2514.1	2742.6	3001.1	3213.4	3267.0	3269.8	3265.7	3322.4	3361.8	3558.6
-30°	2180.5	2393.1	2608.8	2884.8	3091.4	3178.4	3215.3	3240.7	3269.8	3305.8	3318.9
-32.5°	1831.3	2265.7	2440.4	2661.4	2921.9	3059.5	3128.6	3187.6	3219.9	3251.3	3276.0
-35°	1447.8	1906.2	2322.9	2465.7	2650.7	2883.7	3057.4	3128.0	3187.4	3221.0	3252.3
-37.5°	1088.9	1481.9	1887.1	2266.7	2455.4	2620.3	2842.2	3015.0	3124.1	3167.2	3204.9
-40°	959.5	1061.5	1419.5	1767.8	2100.3	2414.3	2598.8	2807.6	2974.3	3058.9	3124.3
-42.5°	954.6	992.1	1028.6	1273.2	1582.1	1884.9	2171.2	2439.1	2686.5	2854.8	2979.4
-45°	953.5	980.3	1010.8	1047.3	1084.1	1320.5	1585.1	1851.1	2122.5	2377.2	2605.5
-47.5°	891.5	958.0	994.6	1023.8	1048.2	1079.5	1115.0	1182.3	1403.3	1625.9	1849.1
-50°	806.5	873.0	933.8	992.0	1021.6	1041.9	1061.3	1083.4	1111.3	1139.4	1168.0
-52.5°	711.3	774.4	836.4	892.0	939.8	985.8	1029.6	1049.6	1064.4	1078.0	1089.7
-55°	622.5	676.7	729.2	778.4	826.1	871.0	911.9	947.0	979.4	1008.9	1031.9
-57.5°	528.4	579.8	628.7	670.0	709.6	747.2	783.4	817.1	847.4	874.3	896.8
-60°	433.8	476.1	518.9	558.4	596.1	631.6	661.6	689.2	714.6	737.7	758.9
-62.5°	344.7	377.7	414.0	447.1	476.9	505.9	537.8	565.5	588.9	609.4	628.5
-65°	274.9	298.5	324.5	349.6	373.8	401.3	431.5	457.9	480.6	499.7	516.0
-67.5°	198.6	221.6	246.5	269.2	290.2	313.2	340.9	367.1	391.6	411.4	427.3
-70°	133.7	150.1	168.8	189.1	209.4	231.0	255.3	278.9	301.7	319.9	335.0
-72.5°	82.0	92.8	103.5	117.1	131.1	147.7	166.3	185.2	204.0	219.5	232.6
-75°	43.7	47.4	55.5	63.2	70.5	79.7	89.3	98.2	106.4	113.9	120.8
-77.5°	37.3	38.9	40.3	41.6	42.9	46.6	51.2	55.9	60.9	65.9	71.0
-80°	29.7	30.9	32.1	33.3	34.4	37.3	40.4	43.5	46.5	50.0	53.4
-82.5°	22.9	23.5	24.1	24.5	25.0	27.1	29.4	31.7	33.9	36.7	39.4
-85°	17.3	17.6	17.8	18.1	18.3	20.0	21.7	23.4	25.0	27.9	30.9
-87.5°	14.0	13.9	13.9	13.8	13.8	15.9	18.0	20.0	21.9	24.3	26.7
-90°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.4	1.0



REPORT NUMBER: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	64.6	73.9	78.7	83.6	78.7	73.9	64.6	55.4	46.1	36.9	31.6
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
85°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.6
80°	3.8	3.9	2.9	1.9	2.9	3.9	3.8	3.8	3.7	3.6	3.6
77.5°	2.5	2.0	2.9	3.9	2.9	2.0	2.5	3.0	3.5	3.9	3.9
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.1	4.8
72.5°	8.1	7.7	7.8	7.8	7.8	7.7	8.1	8.3	8.4	8.5	9.0
70°	9.6	9.6	9.7	9.7	9.7	9.6	9.6	9.6	9.6	10.2	11.5
67.5°	8.0	7.9	6.9	5.8	6.9	7.9	8.0	8.1	8.2	9.3	11.3
65°	7.2	7.7	6.9	5.8	6.9	7.7	7.2	6.8	6.5	7.5	9.6
62.5°	5.9	5.9	5.8	5.8	5.8	5.9	5.9	5.9	5.9	6.4	7.7
60°	5.2	5.7	5.8	5.8	5.8	5.7	5.2	4.8	4.6	5.2	6.0
57.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.5	5.2	5.1	5.2
55°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
50°	6.6	6.1	5.8	5.8	5.8	6.1	6.6	6.9	6.9	6.5	6.0
47.5°	8.4	8.0	7.8	7.8	7.8	8.0	8.4	8.8	8.9	8.7	8.0
45°	12.0	11.8	11.6	11.7	11.6	11.8	12.0	12.1	13.7	13.8	11.4
42.5°	17.4	17.4	17.4	17.5	17.4	17.4	17.4	17.1	20.3	25.1	28.6
40°	32.7	32.9	32.2	31.1	32.2	32.9	32.7	31.1	29.3	27.0	30.2
37.5°	47.8	48.1	48.1	48.6	48.1	48.1	47.8	47.9	48.0	44.2	45.4
35°	77.5	75.5	71.2	71.9	71.2	75.5	77.5	78.5	76.7	70.0	77.6
32.5°	148.1	146.1	137.9	143.8	137.9	146.1	148.1	142.5	133.7	126.0	123.7
30°	249.3	259.2	263.4	262.4	263.4	259.2	249.3	231.6	211.4	188.8	171.6
27.5°	383.9	405.8	419.5	427.7	419.5	405.8	383.9	354.9	298.2	272.8	225.3
25°	698.5	752.7	783.4	824.2	783.4	752.7	698.5	613.7	495.6	426.1	360.4
22.5°	1562.0	1758.0	1882.6	1971.1	1882.6	1758.0	1562.0	1234.2	929.6	716.3	585.1
20°	4052.4	4036.4	4361.2	4537.1	4361.2	4036.4	4052.4	3008.7	2303.5	1441.8	1058.6
17.5°	12685.3	14701.3	15212.9	14775.6	15212.9	14701.3	12685.3	8812.7	6928.3	4021.8	2437.8
15°	32606.9	39340.8	42461.4	42417.9	42461.4	39340.8	32606.9	23593.6	17142.0	10854.6	6310.3
12.5°	70312.3	83317.4	91809.1	96946.3	91809.1	83317.4	70312.3	56117.0	36038.5	23934.4	14342.4
10°	127600.6	149879.3	167645.0	176570.3	167645.0	149879.3	127600.6	101150.1	70286.5	44172.5	24837.2
7.5°	189101.3	225148.7	255586.6	268221.4	255586.6	225148.7	189101.3	149845.1	107299.7	70421.5	41216.5
5°	260349.1	317706.1	346193.5	358468.9	346193.5	317706.1	260349.1	205838.2	148938.1	98735.2	56563.8
2.5°	319955.7	377148.5	416965.6	432098.1	416965.6	377148.5	319955.7	247666.7	178585.6	117457.4	65722.9
0°	331887.0	391676.6	435498.9	467220.4	435498.9	391676.6	331887.0	251719.6	181599.2	119201.9	69218.4
-2.5°	306545.3	364965.1	396985.5	410401.2	396985.5	364965.1	306545.3	234309.7	170721.0	112844.4	65416.1
-5°	266490.8	318341.3	347945.3	353891.0	347945.3	318341.3	266490.8	207501.9	152691.8	99666.7	55918.2
-7.5°	203647.0	239539.7	262889.8	267603.2	262889.8	239539.7	203647.0	159508.6	117479.5	79063.2	44849.3
-10°	148100.8	173979.6	188974.8	190597.5	188974.8	173979.6	148100.8	115760.7	83776.2	55036.8	30390.0
-12.5°	98953.9	119231.4	129836.8	131369.8	129836.8	119231.4	98953.9	77353.4	53758.4	35955.8	21796.6
-15°	62009.1	75198.7	82987.9	84676.3	82987.9	75198.7	62009.1	45937.3	33973.6	22477.0	13397.8
-17.5°	38207.0	44878.6	48964.2	51665.0	48964.2	44878.6	38207.0	28716.3	21010.8	13292.5	7803.5
-20°	22340.3	26666.6	29094.5	30198.5	29094.5	26666.6	22340.3	16698.2	11906.6	7099.7	5094.8



REPORT NUMBER: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11215.8	13350.2	14804.0	15024.4	14804.0	13350.2	11215.8	8281.2	5939.4	4627.8	3795.0
-25°	5439.5	6034.0	6441.9	6465.4	6441.9	6034.0	5439.5	4651.6	3860.9	3600.6	3363.2
-27.5°	3719.4	3843.1	3923.1	3969.4	3923.1	3843.1	3719.4	3558.6	3361.8	3322.4	3265.7
-30°	3332.6	3351.1	3362.4	3347.4	3362.4	3351.1	3332.6	3318.9	3305.8	3269.8	3240.7
-32.5°	3284.4	3293.0	3299.0	3289.1	3299.0	3293.0	3284.4	3276.0	3251.3	3219.9	3187.6
-35°	3280.6	3304.6	3323.3	3318.2	3323.3	3304.6	3280.6	3252.3	3221.0	3187.4	3128.0
-37.5°	3232.4	3253.5	3267.6	3267.7	3267.6	3253.5	3232.4	3204.9	3167.2	3124.1	3015.0
-40°	3160.9	3189.7	3207.6	3207.4	3207.6	3189.7	3160.9	3124.3	3058.9	2974.3	2807.6
-42.5°	3038.9	3079.3	3098.3	3096.6	3098.3	3079.3	3038.9	2979.4	2854.8	2686.5	2439.1
-45°	2776.9	2907.1	2976.9	2983.9	2976.9	2907.1	2776.9	2605.5	2377.2	2122.5	1851.1
-47.5°	2069.1	2269.6	2392.6	2420.2	2392.6	2269.6	2069.1	1849.1	1625.9	1403.3	1182.3
-50°	1196.5	1223.3	1234.7	1230.5	1234.7	1223.3	1196.5	1168.0	1139.4	1111.3	1083.4
-52.5°	1100.9	1111.7	1119.8	1125.5	1119.8	1111.7	1100.9	1089.7	1078.0	1064.4	1049.6
-55°	1050.6	1065.2	1074.4	1078.9	1074.4	1065.2	1050.6	1031.9	1008.9	979.4	947.0
-57.5°	915.3	929.7	937.7	940.8	937.7	929.7	915.3	896.8	874.3	847.4	817.1
-60°	776.5	790.6	798.9	802.8	798.9	790.6	776.5	758.9	737.7	714.6	689.2
-62.5°	644.7	658.0	666.0	670.6	666.0	658.0	644.7	628.5	609.4	588.9	565.5
-65°	530.4	543.1	549.9	554.0	549.9	543.1	530.4	516.0	499.7	480.6	457.9
-67.5°	441.6	454.2	462.4	468.5	462.4	454.2	441.6	427.3	411.4	391.6	367.1
-70°	348.8	361.1	365.6	367.4	365.6	361.1	348.8	335.0	319.9	301.7	278.9
-72.5°	244.3	254.5	261.3	266.3	261.3	254.5	244.3	232.6	219.5	204.0	185.2
-75°	127.0	132.6	136.6	140.0	136.6	132.6	127.0	120.8	113.9	106.4	98.2
-77.5°	76.1	81.0	83.4	85.5	83.4	81.0	76.1	71.0	65.9	60.9	55.9
-80°	56.7	60.0	61.2	62.2	61.2	60.0	56.7	53.4	50.0	46.5	43.5
-82.5°	42.0	44.6	45.7	46.7	45.7	44.6	42.0	39.4	36.7	33.9	31.7
-85°	33.9	36.8	37.9	38.9	37.9	36.8	33.9	30.9	27.9	25.0	23.4
-87.5°	29.0	31.3	33.1	35.0	33.1	31.3	29.0	26.7	24.3	21.9	20.0
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	2.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.2	20.9	15.6	15.6	15.6	15.6	15.6	15.1	14.6	14.1	13.6
87.5°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8
85°	3.8	3.8	3.9	4.3	4.6	4.9	5.1	5.2	5.4	5.6	5.8
82.5°	3.1	3.5	3.9	4.4	4.9	5.4	5.8	5.8	5.8	5.8	5.8
80°	3.7	3.8	4.0	4.4	4.9	5.4	5.8	5.9	5.9	5.8	5.9
77.5°	3.9	3.9	4.1	4.7	5.3	5.8	6.1	6.4	6.7	6.9	6.9
75°	5.3	5.6	6.0	6.8	7.3	7.5	7.6	7.5	7.5	7.6	7.8
72.5°	9.5	9.8	10.8	12.3	13.0	13.7	13.8	13.0	11.6	9.4	7.8
70°	12.7	13.8	16.3	20.0	22.7	24.1	24.5	23.6	21.1	18.9	15.1
67.5°	13.3	15.1	18.5	23.1	26.9	30.5	34.4	37.8	37.9	35.2	25.9
65°	12.0	14.5	17.7	21.1	25.3	30.5	38.1	43.3	46.6	48.0	39.7
62.5°	9.3	11.3	13.3	16.1	19.7	25.3	34.3	42.3	49.7	51.9	43.8
60°	6.9	7.9	9.4	11.3	13.6	18.4	27.2	37.1	48.1	47.9	43.5
57.5°	5.5	6.4	7.8	8.8	9.6	13.1	19.7	28.4	39.0	39.9	38.6
55°	5.8	6.5	7.6	8.7	9.7	11.0	13.3	18.7	26.7	29.3	29.8
52.5°	5.8	6.8	7.9	9.0	9.9	10.5	11.1	13.9	16.3	19.9	21.8
50°	6.0	7.1	8.3	9.4	10.1	10.6	11.2	11.7	13.1	14.6	15.9
47.5°	7.8	8.4	8.9	9.8	10.5	10.9	11.4	12.1	12.7	13.0	13.8
45°	11.2	11.1	11.0	11.7	11.8	12.0	11.9	13.2	13.8	13.9	13.5
42.5°	25.6	18.9	14.6	16.9	16.4	15.5	14.6	15.8	15.9	15.6	16.7
40°	37.3	43.2	36.7	29.8	27.6	23.0	22.0	20.3	19.9	18.4	21.7
37.5°	45.5	45.2	56.8	61.1	50.5	41.5	34.9	29.5	25.7	27.1	29.4
35°	74.2	71.0	74.4	80.5	82.4	73.4	58.6	44.9	37.8	38.4	39.3
32.5°	125.2	114.5	108.6	108.3	114.4	112.0	94.2	71.9	58.5	54.2	51.4
30°	166.3	160.2	146.1	154.1	165.3	157.1	136.0	122.1	99.3	72.9	65.8
27.5°	229.0	216.7	199.3	222.5	234.2	220.1	204.7	188.6	151.0	110.8	87.8
25°	344.8	314.0	317.3	325.1	320.8	312.8	290.9	264.5	222.3	168.0	140.9
22.5°	514.9	494.1	476.6	451.8	473.9	457.0	397.2	345.7	336.7	319.6	243.3
20°	837.3	752.7	678.0	736.5	752.3	654.1	532.2	540.5	602.6	542.9	380.5
17.5°	1717.7	1302.4	1140.2	1236.6	1157.7	961.6	959.4	939.9	921.0	823.6	544.2
15°	3292.7	2456.0	2032.6	1859.1	1753.5	1663.3	1619.6	1400.2	1289.9	1130.7	809.1
12.5°	7734.8	4146.0	3012.7	2658.9	2572.4	2418.1	2319.4	2002.7	1711.6	1525.6	1217.0
10°	13420.0	7227.2	4565.4	3652.5	3382.1	3183.2	2920.9	2535.2	2160.7	1949.2	1638.2
7.5°	22222.8	11836.3	6470.6	4574.7	4066.5	3730.1	3346.2	2969.4	2592.2	2361.7	2063.2
5°	29115.2	15293.5	7687.4	5306.7	4636.9	4259.7	3773.8	3344.5	3006.7	2762.3	2480.2
2.5°	32612.0	17046.4	8465.8	5999.0	5170.1	4754.5	4208.4	3678.6	3308.6	3017.6	2718.4
0°	35905.8	19804.5	9674.8	6537.3	5600.4	5163.0	4645.9	3994.7	3551.5	3234.7	2925.6
-2.5°	33373.1	18230.9	8825.1	6093.7	5367.7	4967.2	4625.7	4101.9	3639.2	3269.5	2893.6
-5°	28863.4	15196.3	7895.2	5648.7	5007.0	4689.7	4449.8	4057.9	3623.4	3256.9	2820.6
-7.5°	23347.3	12095.0	6823.3	5144.7	4615.0	4377.8	4176.6	3838.8	3421.4	3098.4	2641.0
-10°	16563.3	8864.6	5683.9	4605.3	4238.2	4069.7	3914.5	3586.2	3215.1	2931.7	2428.9
-12.5°	11908.9	6420.8	4578.7	4041.4	3886.2	3796.7	3672.9	3313.8	3010.1	2761.1	2188.6
-15°	7177.9	4965.6	4053.9	3702.4	3578.0	3531.7	3426.7	3089.0	2851.3	2592.7	1923.6
-17.5°	5188.2	3967.5	3589.9	3436.8	3356.8	3287.1	3162.4	2919.4	2678.4	2353.0	1634.7
-20°	3918.7	3570.2	3348.4	3207.2	3151.6	3091.9	2945.0	2733.7	2478.7	2004.4	1356.7



REPORT NUMBER: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3514.9	3400.6	3247.1	3064.5	2945.1	2867.4	2735.1	2535.5	2255.6	1636.4	1085.0
-25°	3351.2	3329.7	3219.9	3041.2	2812.0	2658.6	2544.1	2334.8	1894.4	1301.1	856.6
-27.5°	3269.8	3267.0	3213.4	3001.1	2742.6	2514.1	2351.8	2102.5	1531.8	1050.8	824.3
-30°	3215.3	3178.4	3091.4	2884.8	2608.8	2393.1	2180.5	1708.2	1233.1	861.4	810.5
-32.5°	3128.6	3059.5	2921.9	2661.4	2440.4	2265.7	1831.3	1346.0	947.9	845.7	803.9
-35°	3057.4	2883.7	2650.7	2465.7	2322.9	1906.2	1447.8	1043.6	877.6	830.1	798.6
-37.5°	2842.2	2620.3	2455.4	2266.7	1887.1	1481.9	1088.9	919.5	860.3	823.4	768.4
-40°	2598.8	2414.3	2100.3	1767.8	1419.5	1061.5	959.5	908.5	862.9	799.5	725.2
-42.5°	2171.2	1884.9	1582.1	1273.2	1028.6	992.1	954.6	910.2	845.6	758.7	674.6
-45°	1585.1	1320.5	1084.1	1047.3	1010.8	980.3	953.5	880.5	794.3	705.8	620.4
-47.5°	1115.0	1079.5	1048.2	1023.8	994.6	958.0	891.5	817.0	728.5	644.6	569.1
-50°	1061.3	1041.9	1021.6	992.0	933.8	873.0	806.5	736.2	656.8	583.4	513.0
-52.5°	1029.6	985.8	939.8	892.0	836.4	774.4	711.3	651.2	584.9	517.0	452.2
-55°	911.9	871.0	826.1	778.4	729.2	676.7	622.5	566.2	507.4	445.9	390.3
-57.5°	783.4	747.2	709.6	670.0	628.7	579.8	528.4	476.7	428.3	377.1	328.2
-60°	661.6	631.6	596.1	558.4	518.9	476.1	433.8	391.6	349.8	314.5	277.1
-62.5°	537.8	505.9	476.9	447.1	414.0	377.7	344.7	316.9	289.0	258.3	220.6
-65°	431.5	401.3	373.8	349.6	324.5	298.5	274.9	249.4	221.6	192.1	159.9
-67.5°	340.9	313.2	290.2	269.2	246.5	221.6	198.6	175.0	154.0	132.7	108.7
-70°	255.3	231.0	209.4	189.1	168.8	150.1	133.7	116.8	98.2	82.7	69.2
-72.5°	166.3	147.7	131.1	117.1	103.5	92.8	82.0	70.8	59.7	48.9	41.1
-75°	89.3	79.7	70.5	63.2	55.5	47.4	43.7	41.8	39.7	37.4	34.7
-77.5°	51.2	46.6	42.9	41.6	40.3	38.9	37.3	35.3	33.1	31.1	29.2
-80°	40.4	37.3	34.4	33.3	32.1	30.9	29.7	28.2	26.7	25.3	24.2
-82.5°	29.4	27.1	25.0	24.5	24.1	23.5	22.9	22.1	21.4	20.7	20.1
-85°	21.7	20.0	18.3	18.1	17.8	17.6	17.3	17.0	16.7	16.3	16.0
-87.5°	18.0	15.9	13.8	13.8	13.9	13.9	14.0	13.9	13.8	13.7	13.6
-90°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.1	12.7	12.2	11.7	11.7	11.7	11.7	11.7	11.2	10.7	10.2
87.5°	5.8	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.9	7.1	7.5
85°	6.0	6.1	6.1	6.1	6.4	6.8	7.2	7.5	7.5	7.5	7.6
82.5°	6.3	6.8	7.1	7.2	7.2	7.3	7.5	7.8	7.8	7.8	7.8
80°	6.4	6.9	7.4	7.8	7.8	7.8	7.7	7.8	7.8	7.8	7.8
77.5°	6.9	7.1	7.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	11.3	8.5	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	7.8
67.5°	17.6	13.3	10.2	8.2	7.8	7.8	7.8	8.0	8.1	7.8	7.8
65°	28.8	19.9	13.3	10.7	8.8	7.8	7.8	8.2	8.4	8.2	7.8
62.5°	35.9	27.5	19.4	13.9	10.5	8.7	7.8	8.3	8.7	8.7	8.1
60°	38.4	30.4	24.7	18.9	13.4	9.8	8.6	8.4	8.8	9.1	8.6
57.5°	34.7	31.3	27.6	23.0	17.4	12.0	9.5	9.0	8.9	9.3	9.2
55°	29.0	27.4	29.0	25.9	20.8	15.1	11.0	9.8	9.1	9.4	9.8
52.5°	21.7	24.5	27.9	27.8	23.7	18.0	13.5	10.6	9.9	9.5	9.9
50°	16.4	21.0	26.5	28.5	26.3	20.8	15.7	12.2	10.6	9.7	10.1
47.5°	15.2	19.3	23.7	29.0	28.3	23.4	17.8	13.6	11.3	10.4	10.3
45°	16.3	19.1	22.3	26.9	30.0	25.0	19.9	14.7	12.2	11.1	10.6
42.5°	18.6	20.6	22.8	25.1	28.3	26.0	21.7	16.2	12.8	11.8	11.1
40°	23.2	23.5	24.2	26.4	26.9	26.6	22.4	17.7	13.3	12.6	11.7
37.5°	29.0	28.1	27.4	29.7	27.6	26.3	22.7	18.9	14.7	13.5	12.4
35°	38.0	34.6	33.8	35.4	32.3	26.8	22.7	19.6	16.8	14.6	13.0
32.5°	48.7	45.8	44.7	42.4	38.8	28.2	23.2	21.3	18.9	15.7	13.6
30°	64.2	66.4	58.0	50.4	46.4	34.2	25.9	23.3	21.0	16.9	14.2
27.5°	95.5	92.8	75.0	62.5	54.1	42.5	31.6	25.6	23.1	18.3	15.2
25°	135.7	124.7	100.8	77.0	62.4	68.4	38.3	28.3	25.1	20.1	16.2
22.5°	189.0	161.7	130.6	92.9	100.5	103.1	52.7	33.6	27.1	21.8	17.2
20°	250.6	203.4	175.2	154.8	147.1	137.3	78.0	39.6	29.4	23.4	18.2
17.5°	329.1	290.1	281.2	234.7	199.1	174.9	108.0	45.9	31.7	25.1	19.2
15°	541.8	428.3	394.7	324.1	254.4	215.1	141.7	52.6	34.1	26.6	20.1
12.5°	809.5	567.3	514.1	420.8	312.1	257.3	177.8	59.5	36.5	28.2	20.8
10°	1105.1	706.3	637.7	522.3	371.3	300.7	215.3	67.6	40.6	29.7	21.5
7.5°	1416.3	844.5	763.5	626.0	430.1	342.6	254.2	78.4	45.1	31.2	22.0
5°	1704.8	964.1	867.9	713.3	482.4	381.2	291.6	89.1	49.6	32.6	22.5
2.5°	1868.9	1054.4	955.5	793.5	533.1	418.1	325.8	99.4	54.1	33.9	23.0
0°	2002.2	1141.1	1038.0	867.0	581.2	452.9	355.7	108.9	58.3	35.0	23.3
-2.5°	1967.3	1127.8	1022.6	860.2	596.1	463.4	360.1	126.5	72.2	44.1	27.8
-5°	1898.8	1110.5	1002.6	846.7	607.0	471.2	359.8	142.8	85.4	52.7	32.2
-7.5°	1767.2	1071.6	971.7	826.8	613.7	475.8	355.7	157.8	97.7	60.8	36.2
-10°	1599.1	1019.0	927.7	792.9	604.5	474.2	348.6	171.2	108.9	68.1	39.8
-12.5°	1404.1	965.2	884.8	756.6	590.0	467.4	339.5	182.7	118.8	74.4	42.8
-15°	1184.4	910.9	844.5	719.4	573.0	458.9	329.1	192.2	127.2	80.0	45.1
-17.5°	947.1	856.9	808.3	682.6	553.7	448.9	317.9	199.6	134.3	85.1	47.5
-20°	879.8	821.4	774.1	647.2	532.4	437.7	306.9	204.8	139.9	88.9	49.6



REPORT NUMBER: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	847.1	802.0	735.6	618.2	512.4	425.4	296.5	207.7	143.8	91.3	50.7
-25°	816.7	784.0	698.9	591.2	495.7	407.3	292.4	208.2	146.2	92.3	50.6
-27.5°	794.8	760.7	662.5	562.1	477.2	392.1	291.6	210.0	146.9	91.7	49.4
-30°	777.9	719.6	627.5	533.3	456.6	371.4	287.7	209.7	145.8	90.1	46.8
-32.5°	764.0	680.1	591.3	508.6	432.3	349.5	275.1	207.2	142.7	87.1	45.1
-35°	727.8	641.6	554.1	481.6	406.4	329.5	258.6	202.3	137.3	82.2	43.2
-37.5°	689.1	601.8	522.8	452.6	379.8	307.3	243.3	188.0	129.7	75.4	40.4
-40°	643.2	562.2	490.3	422.9	353.0	283.2	225.9	171.6	120.3	66.7	36.7
-42.5°	595.1	523.3	455.4	392.1	324.5	261.7	206.3	153.4	105.2	59.8	32.0
-45°	549.0	481.2	417.3	356.0	294.6	238.0	184.3	133.7	88.5	53.4	28.5
-47.5°	499.3	435.9	375.8	317.5	265.6	211.9	160.2	113.8	70.9	45.7	27.5
-50°	446.2	387.6	331.6	281.1	233.2	183.1	135.1	92.8	60.0	36.1	26.1
-52.5°	392.1	337.2	289.5	244.7	198.6	152.3	110.4	71.6	48.5	31.4	24.5
-55°	336.3	290.5	249.0	205.9	162.4	122.6	84.5	58.2	36.5	28.9	22.8
-57.5°	287.4	246.3	205.6	165.1	127.8	92.6	64.8	44.2	31.6	26.3	22.1
-60°	238.6	198.2	160.0	126.5	94.0	67.8	48.6	33.4	28.8	24.0	21.3
-62.5°	183.6	148.9	118.4	88.9	67.0	49.4	34.4	30.4	25.9	22.8	20.3
-65°	132.4	104.7	78.1	62.3	46.4	34.6	31.2	27.3	24.1	21.5	19.3
-67.5°	84.5	69.1	53.8	39.5	34.1	31.0	27.9	25.0	22.4	20.2	18.4
-70°	55.8	42.3	35.8	32.9	30.2	27.6	25.4	22.9	20.7	19.2	17.4
-72.5°	37.7	34.5	31.4	28.8	27.2	25.2	23.0	21.0	19.8	18.3	16.5
-75°	31.9	29.8	28.1	26.6	24.9	22.9	21.4	20.2	18.9	17.4	15.5
-77.5°	27.7	26.4	25.4	24.2	22.5	21.2	20.2	19.4	17.9	16.2	14.4
-80°	23.5	22.7	21.9	21.0	20.1	19.4	18.8	18.1	16.5	14.9	13.3
-82.5°	19.5	19.0	18.6	18.3	17.9	17.5	17.1	16.5	15.1	13.7	12.4
-85°	16.0	16.0	16.0	16.2	15.9	15.6	15.3	15.0	13.8	12.7	11.7
-87.5°	13.8	13.9	14.0	13.9	13.8	13.6	13.5	13.3	12.5	11.7	10.9
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.3



REPORT NUMBER: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P731624 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.2	16.6	14.2	12.4	10.2	8.1	7.8
-25°	26.3	17.0	14.4	12.4	10.2	8.2	7.8
-27.5°	25.9	17.3	14.5	12.4	10.2	8.2	7.8
-30°	24.9	17.6	14.5	12.4	10.2	8.2	7.8
-32.5°	23.3	17.7	14.6	12.3	10.2	8.2	7.8
-35°	22.8	17.6	14.6	12.3	10.1	8.2	7.8
-37.5°	22.7	17.6	14.6	12.3	10.1	8.3	7.8
-40°	22.5	17.5	14.6	12.2	10.1	8.3	7.8
-42.5°	22.1	17.4	14.5	12.1	10.0	8.3	7.8
-45°	21.4	17.3	14.4	12.1	10.0	8.3	7.8
-47.5°	20.5	17.1	14.3	12.0	9.9	8.3	7.8
-50°	20.1	16.9	14.1	11.8	9.8	8.3	7.8
-52.5°	19.7	16.6	13.9	11.7	9.7	8.3	7.8
-55°	19.3	16.2	13.7	11.5	9.6	8.2	7.8
-57.5°	18.8	15.9	13.4	11.3	9.5	8.2	7.8
-60°	18.2	15.5	13.1	11.1	9.4	8.2	7.8
-62.5°	17.6	15.0	12.8	10.9	9.4	8.2	7.8
-65°	16.9	14.5	12.4	10.7	9.3	8.2	7.8
-67.5°	16.2	13.9	12.0	10.4	9.1	8.1	7.8
-70°	15.4	13.3	11.6	10.2	9.0	8.1	7.8
-72.5°	14.5	12.7	11.2	9.9	8.9	8.1	7.8
-75°	13.6	12.1	10.7	9.7	8.7	8.0	7.8
-77.5°	12.7	11.4	10.4	9.5	8.6	8.0	7.8
-80°	11.8	10.9	10.1	9.3	8.4	8.0	7.8
-82.5°	11.2	10.5	9.7	9.0	8.3	7.9	7.8
-85°	10.7	10.1	9.4	8.8	8.1	7.9	7.8
-87.5°	10.2	9.7	9.1	8.5	8.0	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

