

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: P731632 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-4S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731632 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-4S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

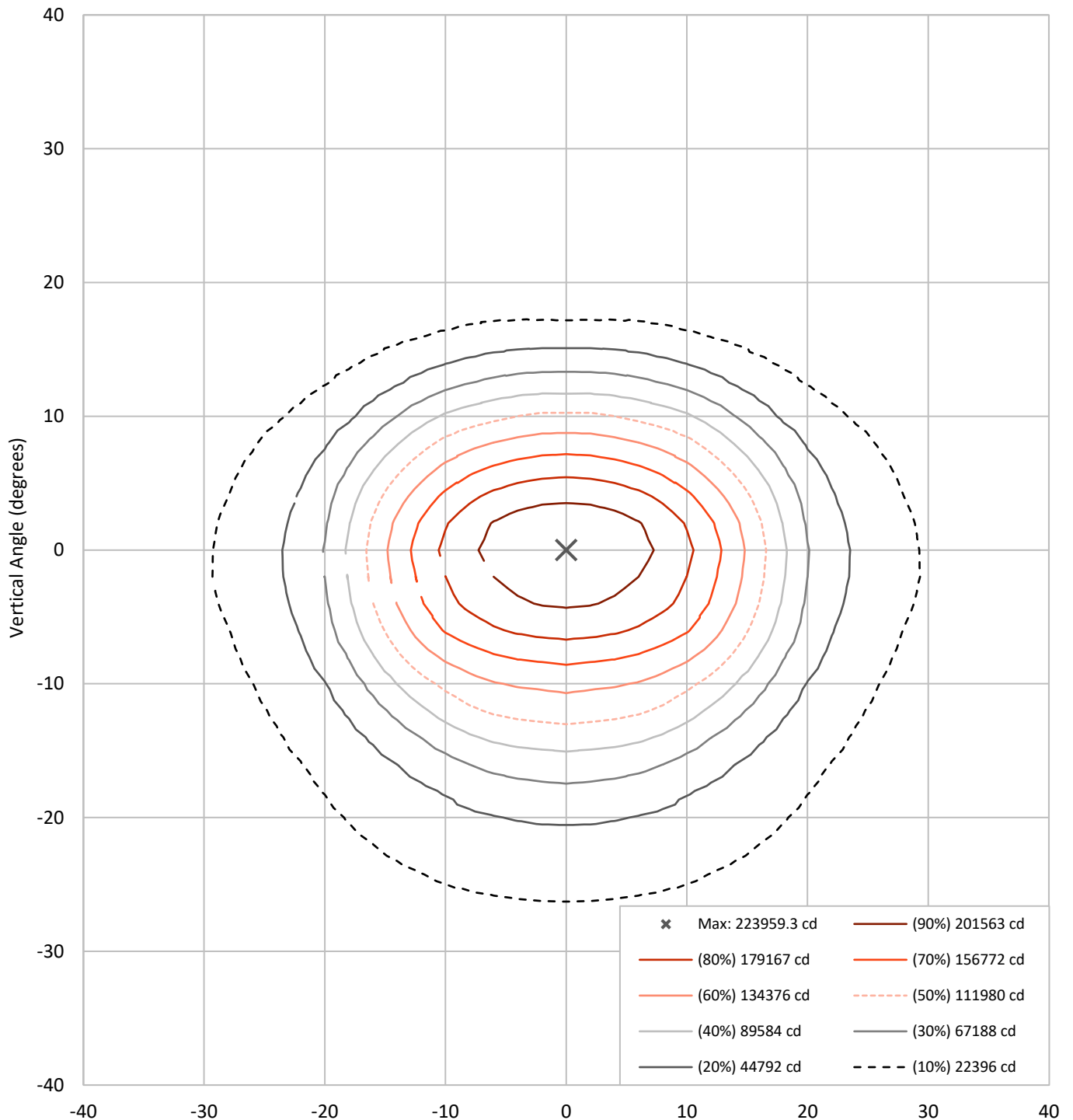
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	59121.4 lumens	Max Intensity:	223959.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	84.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	29913.5 lumens	Field Lumens:	50987 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

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





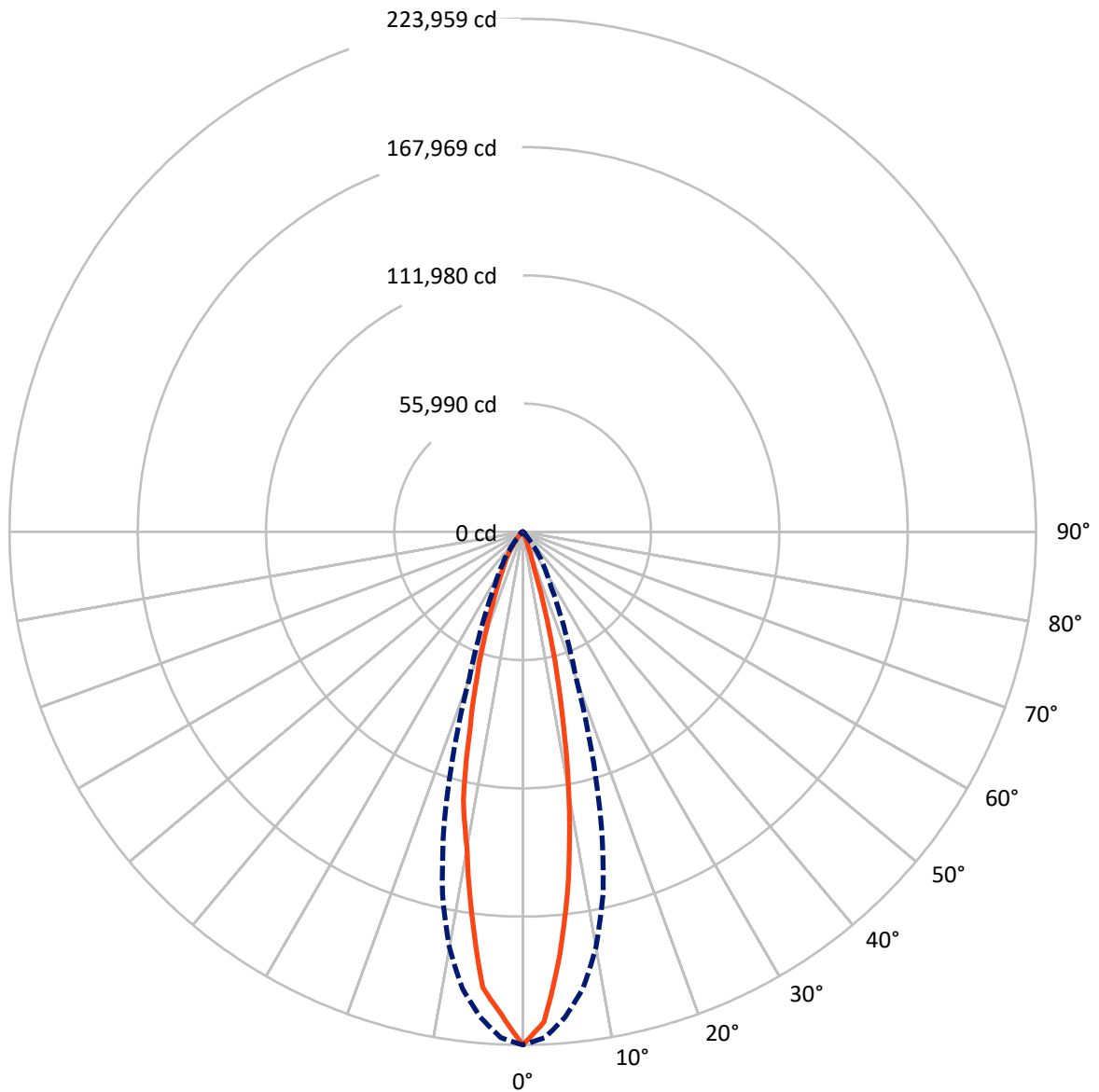
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Lumen Table

90	0.2		0.5		0.8		0.8		0.5		0.8		0.8		0.5		0.2	
80	0.2		0.5		0.8		0.8		0.5		0.8		0.8		0.5		0.2	
70	0.2	0.1	0.2	0.5	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.5	0.2	0.1	0.2		
60		0.1	0.3	0.9	0.8	0.3	0.2	0.2	0.2	0.2	0.3	0.8	0.9	0.3	0.1			
50	0.2	0.2	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.2	0.2		
40		0.2	0.6	0.9	1.3	2.5	4.6	6.8	6.8	4.6	2.5	1.3	0.9	0.6	0.2			
30	0.3	0.4	1.6	3.3	8.9	24.7	51.1	84.8	84.8	51.1	24.7	8.9	3.3	1.6	0.4	0.3		
20		1.0	5.1	13.4	79.8	249.3	759.6	1419.7	1419.7	759.6	249.3	79.8	13.4	5.1	1.0			
10	0.4	1.9	10.2	33.7	247.6	872.5	3020.6	5140.3	5140.3	3020.6	872.5	247.6	33.7	10.2	1.9	0.4		
0		2.6	12.7	40.4	275.9	962.7	3327.1	5461.7	5461.7	3327.1	962.7	275.9	40.4	12.7	2.6			
-10	0.5	2.8	11.2	28.4	163.5	530.6	1472.4	2587.6	2587.6	1472.4	530.6	163.5	28.4	11.2	2.8	0.5		
-20		2.6	9.4	19.0	68.4	265.2	546.6	796.0	796.0	546.6	265.2	68.4	19.0	9.4	2.6			
-30	0.4	2.2	7.9	14.8	27.7	82.6	187.5	266.1	266.1	187.5	82.6	27.7	14.8	7.9	2.2	0.4		
-40		1.4	5.7	12.2	19.8	29.5	42.7	56.0	56.0	42.7	29.5	19.8	12.2	5.7	1.4			
-50	0.3	0.7	2.9	7.8	13.9	19.5	23.9	26.8	26.8	23.9	19.5	13.9	7.8	2.9	0.7	0.3		
-60		0.3	1.1	2.9	5.8	9.4	12.6	14.5	14.5	12.6	9.4	5.8	2.9	1.1	0.3			
-70	0.2		0.9		2.8		7.2		10.4		7.2		2.8		0.9		0.2	
-80	0.2		0.9		2.8		7.2		10.4		7.2		2.8		0.9		0.2	
-90	0.2		0.9		2.8		7.2		10.4		7.2		2.8		0.9		0.2	

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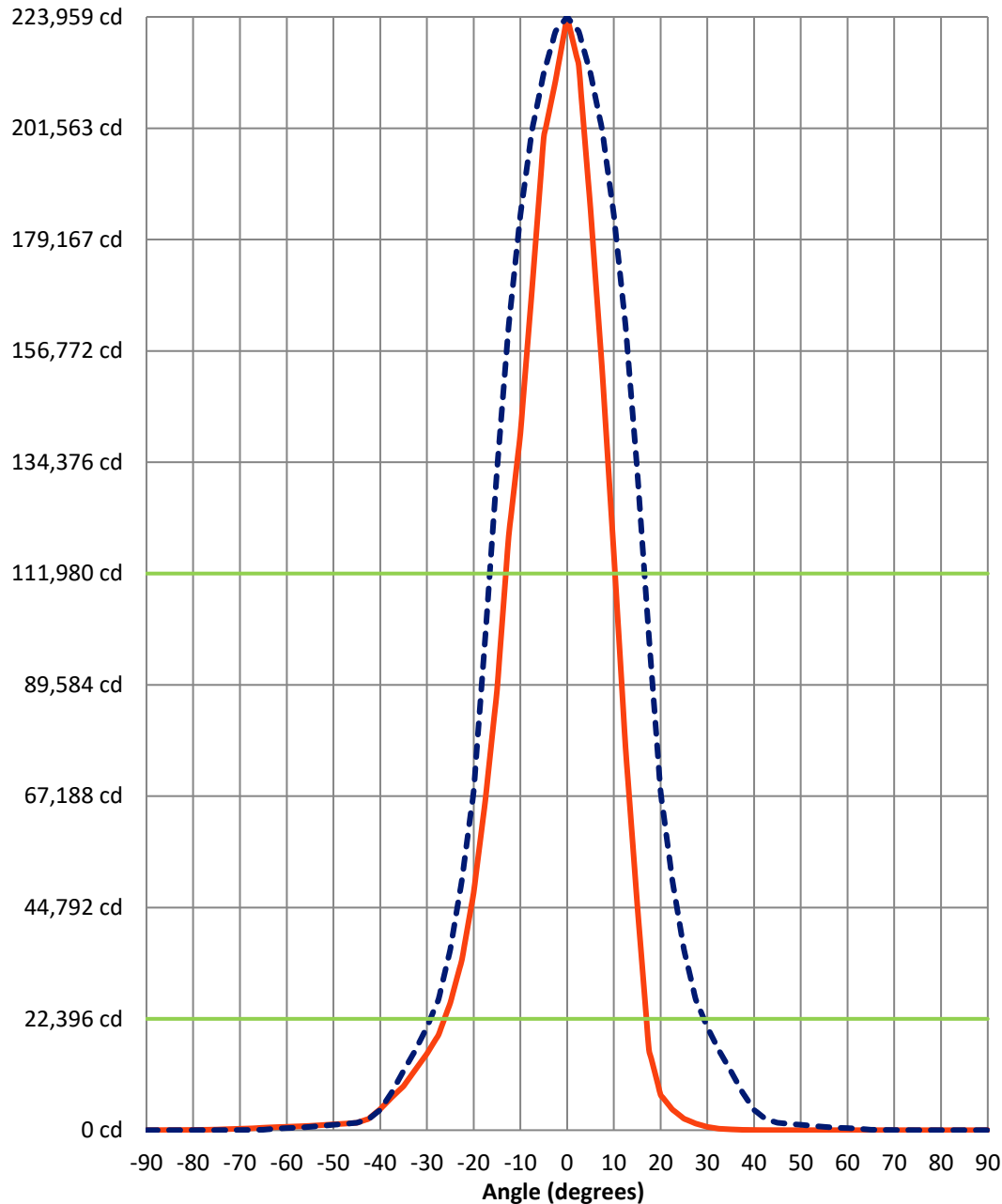
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 29913.5
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 50987
 Efficiency: 86.2%

Spill:
 Lumens: 8134.4
 Efficiency: 13.8%

— 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°	8.2	9.2	10.2	9.7	9.2	8.7	8.2	8.7	9.2	9.7	10.2
87.5°	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.7	8.5	8.4	8.2
85°	8.2	8.4	8.5	8.7	8.9	9.1	9.2	9.1	8.9	8.6	8.2
82.5°	8.2	8.5	8.7	9.0	9.2	9.5	9.7	9.6	9.3	8.9	8.8
80°	8.2	8.5	8.9	9.2	9.6	9.9	10.2	9.8	9.6	9.5	9.6
77.5°	8.2	8.6	9.1	9.5	9.9	10.2	10.2	10.0	9.9	10.1	10.2
75°	8.2	8.7	9.2	9.7	10.2	10.2	10.2	10.1	10.2	10.2	10.2
72.5°	8.2	8.8	9.4	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2
70°	8.2	8.9	9.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
67.5°	8.2	9.0	9.7	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
65°	8.2	9.0	9.9	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
62.5°	8.2	9.1	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
60°	8.2	9.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
57.5°	8.2	9.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
55°	8.2	9.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
52.5°	8.2	9.4	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
50°	8.2	9.5	10.2	10.2	10.2	10.2	10.2	10.3	10.2	10.2	11.1
47.5°	8.2	9.6	10.2	10.2	10.2	10.2	10.2	10.5	10.2	10.2	12.0
45°	8.2	9.6	10.2	10.2	10.2	10.2	10.4	10.7	10.3	10.9	12.8
42.5°	8.2	9.7	10.2	10.2	10.2	10.2	10.6	10.8	10.4	11.4	13.3
40°	8.2	9.7	10.2	10.2	10.2	10.2	10.8	10.9	10.7	11.9	13.7
37.5°	8.2	9.8	10.2	10.2	10.2	10.2	11.1	11.1	11.3	12.6	14.1
35°	8.2	9.8	10.2	10.2	10.2	10.3	11.4	11.2	11.9	13.6	14.5
32.5°	8.2	9.9	10.2	10.2	10.2	10.6	11.6	11.3	12.5	14.7	16.0
30°	8.2	9.9	10.2	10.2	10.2	10.8	11.7	11.5	13.0	16.0	17.7
27.5°	8.2	10.0	10.2	10.2	10.2	11.0	11.9	12.0	13.7	17.4	19.7
25°	8.2	10.0	10.2	10.2	10.2	11.3	12.0	12.4	14.9	19.1	22.0
22.5°	8.2	10.0	10.2	10.2	10.2	11.5	12.1	12.8	16.1	20.8	26.3
20°	8.2	10.1	10.2	10.2	10.2	11.7	12.3	13.2	17.3	22.7	30.8
17.5°	8.2	10.1	10.2	10.2	10.2	11.8	12.4	13.5	18.6	24.7	35.6
15°	8.2	10.1	10.2	10.2	10.2	11.9	12.6	14.1	19.9	26.7	40.6
12.5°	8.2	10.2	10.2	10.2	10.2	12.0	12.9	15.1	21.8	28.7	45.5
10°	8.2	10.2	10.2	10.2	10.2	12.1	13.1	16.2	24.1	32.9	52.0
7.5°	8.2	10.2	10.2	10.2	10.2	12.2	13.4	17.3	26.4	37.5	61.8
5°	8.2	10.2	10.2	10.2	10.2	12.3	13.7	18.3	28.7	42.2	71.5
2.5°	8.2	10.2	10.2	10.2	10.2	12.3	14.0	19.4	30.8	46.7	81.0
0°	8.2	10.2	10.2	10.2	10.2	12.3	14.3	20.4	32.7	51.1	89.9
-2.5°	8.2	10.2	10.2	10.2	10.2	12.5	15.6	23.2	38.5	61.9	106.1
-5°	8.2	10.2	10.2	10.2	10.2	12.7	16.9	26.0	44.0	72.1	121.3
-7.5°	8.2	10.2	10.2	10.2	10.2	12.8	18.1	28.5	49.1	81.4	135.0
-10°	8.2	10.2	10.2	10.2	10.2	13.0	19.1	30.7	53.5	89.7	147.0
-12.5°	8.2	10.2	10.2	10.2	10.2	13.0	20.0	32.6	57.2	96.8	157.7
-15°	8.2	10.1	10.2	10.2	10.2	13.0	20.6	34.2	60.7	103.7	166.6
-17.5°	8.2	10.1	10.2	10.2	10.2	13.0	21.0	35.8	63.9	108.9	173.2
-20°	8.2	10.1	10.2	10.2	10.2	12.9	21.3	37.4	66.0	112.3	177.4



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	10.1	10.2	10.2	10.2	12.7	21.8	38.5	66.7	113.8	178.9
-25°	8.2	10.1	10.2	10.2	10.2	12.7	21.9	39.0	66.0	113.3	177.7
-27.5°	8.2	10.0	10.2	10.2	10.2	12.7	21.6	38.9	63.8	111.3	176.6
-30°	8.2	10.0	10.2	10.2	10.2	12.5	20.8	38.2	62.4	108.7	172.8
-32.5°	8.2	10.0	10.2	10.2	10.4	12.2	19.6	37.3	61.5	103.9	166.1
-35°	8.2	9.9	10.2	10.2	10.5	11.7	18.8	35.8	59.6	97.0	156.5
-37.5°	8.2	9.9	10.2	10.2	10.7	11.3	18.2	33.6	56.9	87.8	141.0
-40°	8.2	9.9	10.2	10.2	10.8	11.5	17.3	30.8	53.3	81.9	125.5
-42.5°	8.2	9.9	10.2	10.2	10.9	11.6	16.1	27.2	49.2	75.1	108.8
-45°	8.2	9.8	10.2	10.3	11.0	11.8	14.7	24.1	44.3	67.3	92.4
-47.5°	8.2	9.8	10.2	10.3	11.0	12.0	13.0	22.0	38.4	58.6	82.6
-50°	8.2	9.8	10.2	10.3	11.1	12.1	12.9	19.6	31.0	50.2	71.8
-52.5°	8.2	9.7	10.2	10.4	11.1	12.2	13.1	16.8	26.1	41.1	60.4
-55°	8.2	9.7	10.2	10.4	11.1	12.2	13.2	14.1	22.3	31.6	49.5
-57.5°	8.2	9.7	10.2	10.4	11.0	12.1	13.4	14.3	18.4	26.1	38.1
-60°	8.2	9.6	10.2	10.4	11.0	12.0	13.5	14.4	15.3	21.7	28.5
-62.5°	8.2	9.6	10.2	10.3	10.9	11.8	13.2	14.3	15.1	17.4	23.8
-65°	8.2	9.6	10.2	10.3	10.8	11.7	12.9	14.1	14.7	16.0	19.0
-67.5°	8.2	9.5	10.2	10.3	10.7	11.4	12.6	13.6	14.3	15.2	16.8
-70°	8.2	9.5	10.2	10.2	10.5	11.2	12.2	13.0	13.7	14.3	15.5
-72.5°	8.2	9.5	10.2	10.2	10.4	10.9	11.7	12.5	13.0	13.6	14.1
-75°	8.2	9.4	10.2	10.1	10.2	10.6	11.3	11.8	12.4	12.8	13.3
-77.5°	8.2	9.4	10.2	10.0	10.1	10.3	10.8	11.2	11.7	12.1	12.5
-80°	8.2	9.4	10.2	10.0	9.9	10.0	10.3	10.6	11.0	11.3	11.6
-82.5°	8.2	9.3	10.2	9.9	9.7	9.7	9.8	10.0	10.2	10.5	10.8
-85°	8.2	9.3	10.2	9.8	9.6	9.4	9.2	9.6	9.9	10.1	10.2
-87.5°	8.2	9.2	10.2	9.8	9.4	9.0	8.7	9.1	9.5	9.9	10.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.7	9.2	8.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.6
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.7	7.6
82.5°	8.8	8.7	8.5	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	9.5	9.3	8.8	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	9.8	9.3	8.8	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	9.9	9.4	8.9	8.4	8.2	8.2	8.3	8.6	8.9	8.9	8.7
72.5°	9.9	9.4	8.9	8.5	8.6	9.1	9.6	10.0	10.5	10.8	11.1
70°	10.0	9.5	9.3	9.4	9.8	10.4	11.3	12.4	13.5	14.3	15.6
67.5°	10.1	9.8	9.9	10.3	11.0	12.0	13.3	16.0	18.8	20.4	22.1
65°	10.2	10.1	10.5	11.2	12.2	14.8	17.7	21.0	26.0	29.0	30.2
62.5°	10.2	10.4	10.9	12.4	15.3	18.5	22.6	28.3	35.1	39.8	40.0
60°	10.2	10.5	12.2	15.1	18.3	22.3	27.8	35.5	45.5	53.1	48.3
57.5°	10.2	11.4	14.3	17.4	20.9	25.4	32.7	42.5	52.0	62.0	53.2
55°	10.7	13.0	15.9	19.0	23.0	28.0	35.6	43.8	54.2	57.2	47.2
52.5°	12.1	14.4	16.8	20.3	24.8	29.2	33.9	41.1	44.4	45.0	37.5
50°	13.3	15.1	17.3	21.2	25.5	28.6	29.7	33.8	34.1	30.9	26.9
47.5°	14.0	15.7	17.5	21.6	25.5	27.4	26.9	25.9	23.7	21.9	17.0
45°	14.6	16.3	18.1	22.1	25.3	26.0	23.6	18.7	19.5	17.3	16.1
42.5°	15.1	16.9	19.6	22.8	24.8	24.6	21.3	19.7	18.4	17.9	17.5
40°	15.6	17.5	21.6	24.3	24.9	24.1	24.2	23.1	19.9	21.2	21.4
37.5°	16.0	19.4	24.3	28.4	25.6	27.1	28.9	29.4	27.7	27.0	29.8
35°	16.4	21.6	29.8	34.3	31.8	32.7	36.6	38.2	38.6	38.5	40.6
32.5°	17.8	23.9	37.0	41.4	42.7	43.3	46.0	49.9	54.4	56.3	53.9
30°	20.7	30.6	45.3	50.1	55.4	63.0	61.3	64.2	74.3	78.4	82.2
27.5°	25.4	39.3	53.6	61.7	71.2	88.6	94.7	88.4	97.0	105.1	117.4
25°	30.7	61.4	62.9	75.0	96.3	122.4	139.1	146.3	127.3	141.4	174.3
22.5°	42.6	90.2	96.1	89.1	125.3	163.9	196.8	214.5	212.2	198.4	242.7
20°	63.6	119.4	134.8	137.7	165.3	211.5	262.8	292.7	321.1	370.5	500.3
17.5°	88.3	151.7	176.1	200.8	250.8	291.8	335.7	380.2	447.4	594.4	1034.8
15°	115.7	186.6	219.1	269.2	343.8	412.4	465.9	505.8	624.6	932.6	1711.3
12.5°	144.9	223.2	263.5	341.7	441.7	539.1	615.1	695.5	895.3	1501.1	2787.1
10°	174.9	261.0	308.8	416.7	542.9	670.0	768.4	889.5	1201.8	2144.5	3961.2
7.5°	208.2	301.3	354.9	492.4	645.3	802.5	923.7	1084.9	1514.6	2794.9	5142.7
5°	240.5	343.5	404.0	557.8	731.5	919.0	1068.8	1278.2	1824.0	3425.2	6290.7
2.5°	270.2	384.4	452.1	617.5	803.9	1007.4	1167.7	1393.8	2038.3	3839.3	7135.8
0°	296.3	423.0	498.6	672.3	870.6	1089.2	1260.9	1500.0	2211.1	4089.2	7640.9
-2.5°	306.3	437.9	517.7	686.2	879.9	1103.1	1278.0	1509.3	2264.2	4190.5	7715.3
-5°	311.9	449.3	534.5	695.2	883.1	1108.5	1288.1	1509.1	2250.9	4102.7	7352.6
-7.5°	313.7	457.0	548.7	696.4	866.4	1072.9	1237.7	1429.9	2073.5	3740.0	6570.8
-10°	311.9	455.8	544.4	670.7	823.2	1010.4	1170.2	1343.4	1869.0	3285.0	5701.2
-12.5°	306.2	447.5	536.3	643.6	778.3	943.2	1099.4	1251.1	1641.8	2743.4	4805.7
-15°	298.5	437.6	527.7	616.1	733.2	872.7	1026.2	1154.3	1405.5	2165.6	3916.8
-17.5°	289.4	426.7	519.2	589.0	689.1	799.7	954.7	1073.5	1231.1	1797.2	3201.5
-20°	279.3	415.1	511.2	563.2	647.9	744.2	885.9	1006.6	1139.8	1506.7	2434.5



REPORT NUMBER: P731632 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	268.8	403.3	499.5	548.9	620.9	706.1	816.7	935.8	1047.1	1186.1	1783.4
-25°	263.6	385.9	482.2	539.1	595.7	669.0	749.8	861.5	960.9	1094.5	1439.1
-27.5°	261.1	369.5	461.7	528.2	571.0	635.2	702.1	788.4	902.2	1020.3	1145.2
-30°	255.0	345.3	440.6	512.9	555.4	607.6	663.7	737.0	845.7	954.7	1065.1
-32.5°	240.0	319.5	413.5	488.6	541.1	581.6	636.1	703.3	790.7	890.7	989.9
-35°	220.6	296.9	382.7	464.2	524.7	564.1	613.5	671.3	739.6	829.4	935.3
-37.5°	201.3	271.8	350.7	435.1	498.3	550.2	589.6	642.1	701.5	772.6	876.8
-40°	179.7	244.3	319.8	399.0	473.0	530.0	573.9	613.6	664.9	734.7	809.3
-42.5°	156.6	218.1	287.2	361.3	435.0	500.2	555.9	593.4	637.0	697.5	765.5
-45°	137.0	189.5	252.6	320.9	390.3	462.1	521.4	575.8	615.6	661.6	722.1
-47.5°	116.2	160.7	218.2	277.9	343.2	410.6	479.9	537.5	593.6	635.6	678.4
-50°	96.8	136.6	180.7	236.2	293.8	356.6	421.1	489.5	548.4	602.6	649.3
-52.5°	83.6	111.3	150.4	194.2	246.0	300.4	360.9	423.7	488.4	550.0	598.6
-55°	69.4	92.9	120.5	157.6	199.3	247.3	299.2	357.0	414.1	474.4	529.8
-57.5°	55.7	75.9	97.3	123.4	158.5	196.0	241.9	290.0	342.2	393.9	437.9
-60°	42.2	59.6	78.7	98.1	119.7	152.5	185.8	226.3	270.7	313.6	352.3
-62.5°	29.7	44.1	60.7	78.0	95.5	112.5	139.2	169.5	199.8	236.1	269.9
-65°	24.7	30.8	42.9	58.3	74.0	89.7	105.1	120.1	145.2	170.7	194.5
-67.5°	19.6	25.0	30.6	38.2	52.1	66.1	80.7	94.4	107.7	120.6	135.5
-70°	17.3	19.6	24.0	29.2	34.4	41.4	53.7	66.4	79.5	92.7	104.1
-72.5°	15.7	17.8	19.8	21.9	26.1	30.6	34.9	39.1	47.2	58.6	70.0
-75°	14.3	15.9	17.8	19.7	21.5	23.3	25.6	29.3	33.1	36.9	40.8
-77.5°	13.1	14.1	15.5	17.3	18.9	20.3	21.8	23.4	25.2	27.1	29.1
-80°	12.0	12.3	13.0	14.0	15.3	16.7	18.0	19.2	20.5	21.8	23.2
-82.5°	11.0	11.2	11.5	11.7	12.3	13.0	13.9	15.0	15.7	16.4	17.2
-85°	10.2	10.2	10.4	10.5	10.8	11.1	11.5	11.9	12.1	12.4	12.6
-87.5°	9.9	9.7	9.5	9.3	9.4	9.5	9.6	9.6	9.7	9.7	9.8
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.6



REPORT NUMBER: P731632 (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°	8.2	9.2	10.2	11.3	12.3	13.3	14.3	15.3	16.3	17.3	18.4
87.5°	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1	3.6	3.1
85°	7.4	7.2	6.9	6.5	6.1	5.6	5.1	4.6	4.1	3.6	3.1
82.5°	8.2	7.7	7.2	6.7	6.1	5.6	5.1	4.6	4.1	3.6	3.1
80°	8.2	7.8	7.2	6.7	6.2	5.7	5.2	4.7	4.1	3.6	3.1
77.5°	8.2	7.8	7.3	6.7	6.2	5.7	5.2	4.7	4.2	4.0	4.0
75°	8.4	8.0	7.9	7.7	7.2	6.9	6.5	6.2	5.8	5.5	5.1
72.5°	11.3	11.3	11.0	10.7	10.1	9.6	9.2	8.6	7.9	7.4	7.0
70°	16.8	17.4	16.9	15.8	14.0	12.5	11.7	10.9	10.0	9.2	8.3
67.5°	23.3	23.3	21.6	19.5	16.6	14.0	12.9	11.8	10.7	10.1	10.0
65°	30.2	28.2	25.3	21.9	17.9	14.1	13.0	11.9	10.8	10.2	10.2
62.5°	37.8	31.5	25.4	20.9	17.3	14.1	12.6	11.2	9.8	8.8	8.6
60°	40.6	30.1	21.7	18.1	15.1	12.6	11.1	9.8	8.8	8.2	8.2
57.5°	39.3	26.9	17.5	14.5	12.3	10.7	9.6	8.6	7.7	6.8	6.6
55°	33.5	22.0	13.2	11.3	10.1	9.0	8.0	7.4	6.8	6.1	6.1
52.5°	24.7	16.8	11.8	9.9	9.3	8.7	8.1	7.9	7.7	7.5	7.3
50°	18.0	13.0	11.2	10.0	9.7	9.6	9.9	9.9	9.8	9.5	9.2
47.5°	14.6	12.7	11.5	10.3	10.6	11.5	12.0	12.0	11.8	11.6	11.3
45°	14.2	13.1	12.5	13.1	13.8	14.4	14.4	14.0	14.7	14.9	14.6
42.5°	15.6	15.8	17.0	18.0	17.3	18.5	19.7	19.6	20.6	21.3	21.3
40°	22.0	21.4	24.6	25.6	26.0	27.2	30.7	30.4	31.9	36.2	37.0
37.5°	31.6	33.3	35.4	37.4	42.9	46.4	53.2	58.7	61.6	69.8	76.2
35°	44.5	49.0	50.2	61.0	72.2	82.7	92.3	103.8	108.7	126.9	139.5
32.5°	63.1	72.2	84.6	102.6	123.7	148.9	147.8	186.1	200.0	237.3	280.3
30°	88.2	113.9	154.7	183.0	235.0	275.9	296.5	356.4	436.7	513.5	618.1
27.5°	143.4	197.5	271.3	368.7	419.5	481.1	574.3	645.8	829.2	1004.5	1133.1
25°	246.7	360.2	499.5	643.4	733.4	814.2	984.5	1109.4	1369.5	1564.7	1843.3
22.5°	471.8	714.2	890.6	997.3	1190.6	1443.3	1566.0	1909.6	2295.3	2787.6	3194.6
20°	795.0	1176.4	1569.5	1809.5	2030.2	2588.2	2832.7	3476.2	4296.0	5222.6	5995.0
17.5°	1555.7	1904.1	2704.3	3484.1	4070.7	4621.5	6167.6	7272.1	9415.6	12039.2	13249.2
15°	2791.6	3765.3	4699.1	6113.5	7610.3	9275.6	11701.8	15890.5	21151.7	26888.5	33093.8
12.5°	4525.6	6303.1	7973.5	9753.9	11896.7	15988.6	21520.4	28836.2	38289.4	48431.9	60142.7
10°	6473.6	9178.8	11618.7	14306.6	18111.5	24190.5	32389.7	43675.6	60510.2	77718.4	92644.8
7.5°	8218.1	11494.4	14803.9	18694.6	24725.7	33407.9	45204.1	62825.5	84809.9	106105.2	124262.8
5°	9889.8	13717.2	17489.4	22126.7	29727.8	41058.9	56325.3	80499.9	108292.1	131920.9	151820.8
2.5°	11192.4	15456.5	19773.3	25227.2	33899.3	46791.6	64131.4	93391.4	126935.3	153140.7	175895.1
0°	11938.6	16027.7	20713.7	26364.1	36342.9	50386.4	68169.5	99325.9	132732.2	161854.1	184091.3
-2.5°	11792.5	16077.3	20867.9	26584.2	36042.5	49525.4	67055.8	96776.6	130026.1	156279.3	177826.7
-5°	11048.0	14968.3	19191.8	24207.0	32552.8	44838.4	62050.7	89980.3	120837.7	147097.1	168996.7
-7.5°	9887.1	13353.8	17030.6	21395.6	28453.9	39144.1	53939.3	75685.9	103025.7	126808.5	143222.6
-10°	8620.1	11670.5	14988.4	18938.6	24505.7	32886.2	44096.3	59805.6	82166.1	101983.6	117209.0
-12.5°	7418.8	10191.9	13078.1	16376.7	20590.3	27191.1	35711.1	47439.3	61853.4	78143.8	93695.5
-15°	6266.7	8701.9	11220.6	14273.8	17938.3	22416.7	28144.3	36035.3	45505.2	56182.2	67700.0
-17.5°	5169.9	7308.2	9677.8	12343.9	15372.1	18793.6	23597.2	29008.2	35020.2	41977.0	48572.6
-20°	4055.9	6031.7	8181.9	10555.4	13272.3	16391.4	19809.5	23874.0	28223.4	32976.6	37910.6



REPORT NUMBER: P731632 (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°	3095.6	4779.1	6660.5	8821.3	11372.0	14121.5	16772.8	19440.6	22658.4	25793.3	28941.6
-25°	2167.7	3502.7	5259.5	7325.0	9490.8	11788.8	13756.5	15637.0	17871.6	19881.3	21974.2
-27.5°	1594.2	2511.5	3964.2	5796.3	7738.6	9314.8	10971.4	12513.8	14132.0	15407.6	16881.7
-30°	1215.7	1743.8	2823.3	4252.3	5810.8	7184.2	8462.7	9859.5	11189.9	12297.3	13224.1
-32.5°	1108.8	1310.0	1856.4	2851.9	3978.4	5197.1	6303.2	7519.1	8635.1	9556.1	10293.9
-35°	1042.1	1151.2	1310.5	1812.9	2473.5	3435.7	4358.7	5354.4	6279.4	7039.3	7650.2
-37.5°	985.1	1080.8	1174.8	1269.2	1633.1	2038.9	2705.1	3425.9	4050.8	4745.5	5287.9
-40°	914.3	1021.8	1097.8	1175.4	1262.8	1364.3	1715.9	2031.6	2384.9	2875.5	3281.5
-42.5°	836.7	927.5	1022.1	1098.1	1165.5	1237.1	1316.8	1395.7	1558.2	1764.4	1932.3
-45°	785.8	845.6	914.3	1000.6	1079.4	1139.1	1198.2	1255.6	1309.8	1358.6	1399.5
-47.5°	730.9	781.7	837.5	896.8	955.1	1021.4	1083.6	1135.6	1176.8	1216.1	1251.2
-50°	682.1	719.6	766.7	812.8	858.7	905.8	952.3	992.4	1032.2	1068.0	1103.0
-52.5°	642.6	674.2	705.1	736.0	773.3	809.7	844.0	874.9	903.1	927.6	953.4
-55°	576.0	615.9	655.4	682.9	706.5	729.2	751.8	777.4	799.8	819.1	837.1
-57.5°	485.7	533.9	577.8	610.1	640.6	669.3	689.3	703.9	718.2	731.7	744.0
-60°	389.8	425.9	468.1	509.4	547.5	582.1	604.4	623.4	639.4	652.8	664.8
-62.5°	301.2	332.2	366.6	399.9	430.7	461.0	490.7	516.5	538.6	557.3	572.7
-65°	219.4	246.5	275.7	304.0	331.1	357.8	382.3	404.7	424.8	442.9	459.6
-67.5°	156.2	176.1	197.3	216.4	238.0	261.4	284.5	305.2	323.6	338.1	349.0
-70°	114.9	126.1	140.1	156.6	174.4	191.2	207.9	223.8	239.0	252.1	263.8
-72.5°	81.6	93.3	104.4	114.8	125.9	136.9	148.2	159.9	171.9	182.0	190.7
-75°	44.8	50.5	59.9	69.1	78.0	86.4	94.0	100.6	106.3	111.1	115.1
-77.5°	31.8	35.6	39.5	43.3	47.0	51.4	56.1	60.8	65.5	69.2	72.6
-80°	24.6	26.7	29.0	31.4	34.0	37.0	40.2	43.4	46.5	48.8	50.9
-82.5°	18.0	19.6	21.2	22.7	24.2	26.1	28.1	29.9	31.8	33.1	34.3
-85°	12.8	13.8	14.9	16.1	17.2	18.9	20.7	22.4	24.0	25.2	26.3
-87.5°	9.8	10.5	11.1	11.7	12.3	13.8	15.3	16.8	18.3	18.9	19.4
-90°	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1	3.6	3.1



REPORT NUMBER: P731632 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	19.4	20.4	20.4	20.4	20.4	20.4	19.4	18.4	17.3	16.3	15.3
87.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.7
77.5°	4.0	4.1	3.1	2.0	3.1	4.1	4.0	4.0	4.0	4.2	4.7
75°	4.6	4.1	3.1	2.0	3.1	4.1	4.6	5.1	5.5	5.8	6.2
72.5°	6.6	6.1	6.1	6.1	6.1	6.1	6.6	7.0	7.4	7.9	8.6
70°	7.3	6.2	6.1	6.1	6.1	6.2	7.3	8.3	9.2	10.0	10.9
67.5°	10.0	10.1	10.2	10.2	10.2	10.1	10.0	10.0	10.1	10.7	11.8
65°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.8	11.9
62.5°	8.4	8.3	8.2	8.2	8.2	8.3	8.4	8.6	8.8	9.8	11.2
60°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.8	9.8
57.5°	6.4	6.2	6.1	6.1	6.1	6.2	6.4	6.6	6.8	7.7	8.6
55°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.8	7.4
52.5°	6.9	6.4	6.1	6.1	6.1	6.4	6.9	7.3	7.5	7.7	7.9
50°	8.8	8.4	8.2	8.2	8.2	8.4	8.8	9.2	9.5	9.8	9.9
47.5°	10.9	10.4	10.2	10.2	10.2	10.4	10.9	11.3	11.6	11.8	12.0
45°	13.9	12.9	12.3	12.3	12.3	12.9	13.9	14.6	14.9	14.7	14.0
42.5°	21.1	20.6	20.2	20.4	20.2	20.6	21.1	21.3	21.3	20.6	19.6
40°	38.8	39.9	40.4	40.9	40.4	39.9	38.8	37.0	36.2	31.9	30.4
37.5°	79.6	78.2	74.6	75.6	74.6	78.2	79.6	76.2	69.8	61.6	58.7
35°	147.8	156.7	163.0	167.6	163.0	156.7	147.8	139.5	126.9	108.7	103.8
32.5°	296.2	308.3	304.8	298.4	304.8	308.3	296.2	280.3	237.3	200.0	186.1
30°	679.8	715.3	705.8	664.2	705.8	715.3	679.8	618.1	513.5	436.7	356.4
27.5°	1225.6	1311.3	1367.2	1338.5	1367.2	1311.3	1225.6	1133.1	1004.5	829.2	645.8
25°	2083.7	2250.1	2369.4	2319.5	2369.4	2250.1	2083.7	1843.3	1564.7	1369.5	1109.4
22.5°	3704.9	3978.3	4140.7	4183.2	4140.7	3978.3	3704.9	3194.6	2787.6	2295.3	1909.6
20°	6966.5	7184.6	7227.8	7119.8	7227.8	7184.6	6966.5	5995.0	5222.6	4296.0	3476.2
17.5°	16762.3	17769.1	17031.1	16256.6	17031.1	17769.1	16762.3	13249.2	12039.2	9415.6	7272.1
15°	38344.6	42596.2	45018.3	45512.4	45018.3	42596.2	38344.6	33093.8	26888.5	21151.7	15890.5
12.5°	67565.4	74417.0	77244.6	76980.4	77244.6	74417.0	67565.4	60142.7	48431.9	38289.4	28836.2
10°	102219.6	109544.9	115847.7	115911.5	115847.7	109544.9	102219.6	92644.8	77718.4	60510.2	43675.6
7.5°	136865.9	145313.8	151243.3	152934.9	151243.3	145313.8	136865.9	124262.8	106105.2	84809.9	62825.5
5°	167196.5	177655.6	183542.3	185339.9	183542.3	177655.6	167196.5	151820.8	131920.9	108292.1	80499.9
2.5°	193863.2	206675.9	213132.2	214135.9	213132.2	206675.9	193863.2	175895.1	153140.7	126935.3	93391.4
0°	201200.1	212621.6	220982.9	223959.3	220982.9	212621.6	201200.1	184091.3	161854.1	132732.2	99325.9
-2.5°	193967.0	203959.5	208942.9	211021.5	208942.9	203959.5	193967.0	177826.7	156279.3	130026.1	96776.6
-5°	182533.7	191859.0	198205.7	199675.6	198205.7	191859.0	182533.7	168996.7	147097.1	120837.7	89980.3
-7.5°	154048.5	163227.5	166079.1	169312.1	166079.1	163227.5	154048.5	143222.6	126808.5	103025.7	75685.9
-10°	128710.5	135851.0	137814.9	140105.4	137814.9	135851.0	128710.5	117209.0	101983.6	82166.1	59805.6
-12.5°	106497.0	113569.8	116771.8	119512.2	116771.8	113569.8	106497.0	93695.5	78143.8	61853.4	47439.3
-15°	78023.5	84671.1	86967.4	88450.0	86967.4	84671.1	78023.5	67700.0	56182.2	45505.2	36035.3
-17.5°	56518.8	61581.7	64590.2	66334.4	64590.2	61581.7	56518.8	48572.6	41977.0	35020.2	29008.2
-20°	42247.7	45149.0	47479.6	47735.8	47479.6	45149.0	42247.7	37910.6	32976.6	28223.4	23874.0



REPORT NUMBER: P731632 (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°	31579.4	33307.5	34380.5	34315.7	34380.5	33307.5	31579.4	28941.6	25793.3	22658.4	19440.6
-25°	23570.3	24732.1	25471.1	25603.9	25471.1	24732.1	23570.3	21974.2	19881.3	17871.6	15637.0
-27.5°	17937.0	18755.0	19178.9	19201.4	19178.9	18755.0	17937.0	16881.7	15407.6	14132.0	12513.8
-30°	13896.7	14578.0	15029.9	15375.8	15029.9	14578.0	13896.7	13224.1	12297.3	11189.9	9859.5
-32.5°	10914.0	11495.5	11889.8	12124.5	11889.8	11495.5	10914.0	10293.9	9556.1	8635.1	7519.1
-35°	8182.2	8647.9	8926.6	8856.8	8926.6	8647.9	8182.2	7650.2	7039.3	6279.4	5354.4
-37.5°	5765.7	6160.5	6441.4	6619.1	6441.4	6160.5	5765.7	5287.9	4745.5	4050.8	3425.9
-40°	3632.9	3906.0	4100.3	4224.1	4100.3	3906.0	3632.9	3281.5	2875.5	2384.9	2031.6
-42.5°	2069.0	2171.1	2239.8	2276.5	2239.8	2171.1	2069.0	1932.3	1764.4	1558.2	1395.7
-45°	1431.0	1456.5	1474.9	1485.7	1474.9	1456.5	1431.0	1399.5	1358.6	1309.8	1255.6
-47.5°	1278.8	1299.6	1313.2	1320.1	1313.2	1299.6	1278.8	1251.2	1216.1	1176.8	1135.6
-50°	1134.4	1160.0	1175.5	1181.2	1175.5	1160.0	1134.4	1103.0	1068.0	1032.2	992.4
-52.5°	977.5	998.3	1012.3	1019.7	1012.3	998.3	977.5	953.4	927.6	903.1	874.9
-55°	853.0	866.2	873.0	874.6	873.0	866.2	853.0	837.1	819.1	799.8	777.4
-57.5°	754.4	762.9	769.7	774.5	769.7	762.9	754.4	744.0	731.7	718.2	703.9
-60°	674.4	681.7	685.5	686.6	685.5	681.7	674.4	664.8	652.8	639.4	623.4
-62.5°	584.7	593.5	600.3	604.9	600.3	593.5	584.7	572.7	557.3	538.6	516.5
-65°	474.8	488.0	495.0	498.6	495.0	488.0	474.8	459.6	442.9	424.8	404.7
-67.5°	357.7	364.5	366.2	365.8	366.2	364.5	357.7	349.0	338.1	323.6	305.2
-70°	274.7	284.7	288.5	290.2	288.5	284.7	274.7	263.8	252.1	239.0	223.8
-72.5°	198.6	205.7	209.8	212.5	209.8	205.7	198.6	190.7	182.0	171.9	159.9
-75°	118.6	121.5	123.4	124.7	123.4	121.5	118.6	115.1	111.1	106.3	100.6
-77.5°	75.9	79.1	80.6	81.7	80.6	79.1	75.9	72.6	69.2	65.5	60.8
-80°	53.0	54.9	55.1	55.2	55.1	54.9	53.0	50.9	48.8	46.5	43.4
-82.5°	35.5	36.7	36.8	36.8	36.8	36.7	35.5	34.3	33.1	31.8	29.9
-85°	27.4	28.5	28.6	28.6	28.6	28.5	27.4	26.3	25.2	24.0	22.4
-87.5°	19.9	20.4	21.4	22.5	21.4	20.4	19.9	19.4	18.9	18.3	16.8
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.1	3.6	4.1	4.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.3	13.3	12.3	11.3	10.2	9.2	8.2	8.2	8.2	8.2	8.2
87.5°	5.1	5.6	6.1	6.1	6.1	6.1	6.1	6.6	7.2	7.7	8.2
85°	5.1	5.6	6.1	6.5	6.9	7.2	7.4	7.6	7.7	7.9	8.2
82.5°	5.1	5.6	6.1	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.2
80°	5.2	5.7	6.2	6.7	7.2	7.8	8.2	8.2	8.2	8.2	8.2
77.5°	5.2	5.7	6.2	6.7	7.3	7.8	8.2	8.2	8.2	8.2	8.2
75°	6.5	6.9	7.2	7.7	7.9	8.0	8.4	8.7	8.9	8.9	8.6
72.5°	9.2	9.6	10.1	10.7	11.0	11.3	11.3	11.1	10.8	10.5	10.0
70°	11.7	12.5	14.0	15.8	16.9	17.4	16.8	15.6	14.3	13.5	12.4
67.5°	12.9	14.0	16.6	19.5	21.6	23.3	23.3	22.1	20.4	18.8	16.0
65°	13.0	14.1	17.9	21.9	25.3	28.2	30.2	30.2	29.0	26.0	21.0
62.5°	12.6	14.1	17.3	20.9	25.4	31.5	37.8	40.0	39.8	35.1	28.3
60°	11.1	12.6	15.1	18.1	21.7	30.1	40.6	48.3	53.1	45.5	35.5
57.5°	9.6	10.7	12.3	14.5	17.5	26.9	39.3	53.2	62.0	52.0	42.5
55°	8.0	9.0	10.1	11.3	13.2	22.0	33.5	47.2	57.2	54.2	43.8
52.5°	8.1	8.7	9.3	9.9	11.8	16.8	24.7	37.5	45.0	44.4	41.1
50°	9.9	9.6	9.7	10.0	11.2	13.0	18.0	26.9	30.9	34.1	33.8
47.5°	12.0	11.5	10.6	10.3	11.5	12.7	14.6	17.0	21.9	23.7	25.9
45°	14.4	14.4	13.8	13.1	12.5	13.1	14.2	16.1	17.3	19.5	18.7
42.5°	19.7	18.5	17.3	18.0	17.0	15.8	15.6	17.5	17.9	18.4	19.7
40°	30.7	27.2	26.0	25.6	24.6	21.4	22.0	21.4	21.2	19.9	23.1
37.5°	53.2	46.4	42.9	37.4	35.4	33.3	31.6	29.8	27.0	27.7	29.4
35°	92.3	82.7	72.2	61.0	50.2	49.0	44.5	40.6	38.5	38.6	38.2
32.5°	147.8	148.9	123.7	102.6	84.6	72.2	63.1	53.9	56.3	54.4	49.9
30°	296.5	275.9	235.0	183.0	154.7	113.9	88.2	82.2	78.4	74.3	64.2
27.5°	574.3	481.1	419.5	368.7	271.3	197.5	143.4	117.4	105.1	97.0	88.4
25°	984.5	814.2	733.4	643.4	499.5	360.2	246.7	174.3	141.4	127.3	146.3
22.5°	1566.0	1443.3	1190.6	997.3	890.6	714.2	471.8	242.7	198.4	212.2	214.5
20°	2832.7	2588.2	2030.2	1809.5	1569.5	1176.4	795.0	500.3	370.5	321.1	292.7
17.5°	6167.6	4621.5	4070.7	3484.1	2704.3	1904.1	1555.7	1034.8	594.4	447.4	380.2
15°	11701.8	9275.6	7610.3	6113.5	4699.1	3765.3	2791.6	1711.3	932.6	624.6	505.8
12.5°	21520.4	15988.6	11896.7	9753.9	7973.5	6303.1	4525.6	2787.1	1501.1	895.3	695.5
10°	32389.7	24190.5	18111.5	14306.6	11618.7	9178.8	6473.6	3961.2	2144.5	1201.8	889.5
7.5°	45204.1	33407.9	24725.7	18694.6	14803.9	11494.4	8218.1	5142.7	2794.9	1514.6	1084.9
5°	56325.3	41058.9	29727.8	22126.7	17489.4	13717.2	9889.8	6290.7	3425.2	1824.0	1278.2
2.5°	64131.4	46791.6	33899.3	25227.2	19773.3	15456.5	11192.4	7135.8	3839.3	2038.3	1393.8
0°	68169.5	50386.4	36342.9	26364.1	20713.7	16027.7	11938.6	7640.9	4089.2	2211.1	1500.0
-2.5°	67055.8	49525.4	36042.5	26584.2	20867.9	16077.3	11792.5	7715.3	4190.5	2264.2	1509.3
-5°	62050.7	44838.4	32552.8	24207.0	19191.8	14968.3	11048.0	7352.6	4102.7	2250.9	1509.1
-7.5°	53939.3	39144.1	28453.9	21395.6	17030.6	13353.8	9887.1	6570.8	3740.0	2073.5	1429.9
-10°	44096.3	32886.2	24505.7	18938.6	14988.4	11670.5	8620.1	5701.2	3285.0	1869.0	1343.4
-12.5°	35711.1	27191.1	20590.3	16376.7	13078.1	10191.9	7418.8	4805.7	2743.4	1641.8	1251.1
-15°	28144.3	22416.7	17938.3	14273.8	11220.6	8701.9	6266.7	3916.8	2165.6	1405.5	1154.3
-17.5°	23597.2	18793.6	15372.1	12343.9	9677.8	7308.2	5169.9	3201.5	1797.2	1231.1	1073.5
-20°	19809.5	16391.4	13272.3	10555.4	8181.9	6031.7	4055.9	2434.5	1506.7	1139.8	1006.6



REPORT NUMBER: P731632 (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°	16772.8	14121.5	11372.0	8821.3	6660.5	4779.1	3095.6	1783.4	1186.1	1047.1	935.8
-25°	13756.5	11788.8	9490.8	7325.0	5259.5	3502.7	2167.7	1439.1	1094.5	960.9	861.5
-27.5°	10971.4	9314.8	7738.6	5796.3	3964.2	2511.5	1594.2	1145.2	1020.3	902.2	788.4
-30°	8462.7	7184.2	5810.8	4252.3	2823.3	1743.8	1215.7	1065.1	954.7	845.7	737.0
-32.5°	6303.2	5197.1	3978.4	2851.9	1856.4	1310.0	1108.8	989.9	890.7	790.7	703.3
-35°	4358.7	3435.7	2473.5	1812.9	1310.5	1151.2	1042.1	935.3	829.4	739.6	671.3
-37.5°	2705.1	2038.9	1633.1	1269.2	1174.8	1080.8	985.1	876.8	772.6	701.5	642.1
-40°	1715.9	1364.3	1262.8	1175.4	1097.8	1021.8	914.3	809.3	734.7	664.9	613.6
-42.5°	1316.8	1237.1	1165.5	1098.1	1022.1	927.5	836.7	765.5	697.5	637.0	593.4
-45°	1198.2	1139.1	1079.4	1000.6	914.3	845.6	785.8	722.1	661.6	615.6	575.8
-47.5°	1083.6	1021.4	955.1	896.8	837.5	781.7	730.9	678.4	635.6	593.6	537.5
-50°	952.3	905.8	858.7	812.8	766.7	719.6	682.1	649.3	602.6	548.4	489.5
-52.5°	844.0	809.7	773.3	736.0	705.1	674.2	642.6	598.6	550.0	488.4	423.7
-55°	751.8	729.2	706.5	682.9	655.4	615.9	576.0	529.8	474.4	414.1	357.0
-57.5°	689.3	669.3	640.6	610.1	577.8	533.9	485.7	437.9	393.9	342.2	290.0
-60°	604.4	582.1	547.5	509.4	468.1	425.9	389.8	352.3	313.6	270.7	226.3
-62.5°	490.7	461.0	430.7	399.9	366.6	332.2	301.2	269.9	236.1	199.8	169.5
-65°	382.3	357.8	331.1	304.0	275.7	246.5	219.4	194.5	170.7	145.2	120.1
-67.5°	284.5	261.4	238.0	216.4	197.3	176.1	156.2	135.5	120.6	107.7	94.4
-70°	207.9	191.2	174.4	156.6	140.1	126.1	114.9	104.1	92.7	79.5	66.4
-72.5°	148.2	136.9	125.9	114.8	104.4	93.3	81.6	70.0	58.6	47.2	39.1
-75°	94.0	86.4	78.0	69.1	59.9	50.5	44.8	40.8	36.9	33.1	29.3
-77.5°	56.1	51.4	47.0	43.3	39.5	35.6	31.8	29.1	27.1	25.2	23.4
-80°	40.2	37.0	34.0	31.4	29.0	26.7	24.6	23.2	21.8	20.5	19.2
-82.5°	28.1	26.1	24.2	22.7	21.2	19.6	18.0	17.2	16.4	15.7	15.0
-85°	20.7	18.9	17.2	16.1	14.9	13.8	12.8	12.6	12.4	12.1	11.9
-87.5°	15.3	13.8	12.3	11.7	11.1	10.5	9.8	9.8	9.7	9.7	9.6
-90°	5.1	5.6	6.1	6.1	6.1	6.1	6.1	6.6	7.2	7.7	8.2



REPORT NUMBER: P731632 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.2	8.2	8.2	8.2	8.7	9.2	9.7	10.2	9.7	9.2	8.7
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.4	8.5	8.7
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.6	8.9	9.1
82.5°	8.2	8.2	8.2	8.2	8.5	8.7	8.8	8.8	8.9	9.3	9.6
80°	8.2	8.2	8.2	8.3	8.8	9.3	9.5	9.6	9.5	9.6	9.8
77.5°	8.2	8.2	8.2	8.3	8.8	9.3	9.8	10.2	10.1	9.9	10.0
75°	8.3	8.2	8.2	8.4	8.9	9.4	9.9	10.2	10.2	10.2	10.1
72.5°	9.6	9.1	8.6	8.5	8.9	9.4	9.9	10.2	10.2	10.2	10.2
70°	11.3	10.4	9.8	9.4	9.3	9.5	10.0	10.2	10.2	10.2	10.2
67.5°	13.3	12.0	11.0	10.3	9.9	9.8	10.1	10.2	10.2	10.2	10.2
65°	17.7	14.8	12.2	11.2	10.5	10.1	10.2	10.2	10.2	10.2	10.2
62.5°	22.6	18.5	15.3	12.4	10.9	10.4	10.2	10.2	10.2	10.2	10.2
60°	27.8	22.3	18.3	15.1	12.2	10.5	10.2	10.2	10.2	10.2	10.2
57.5°	32.7	25.4	20.9	17.4	14.3	11.4	10.2	10.2	10.2	10.2	10.2
55°	35.6	28.0	23.0	19.0	15.9	13.0	10.7	10.2	10.2	10.2	10.2
52.5°	33.9	29.2	24.8	20.3	16.8	14.4	12.1	10.2	10.2	10.2	10.2
50°	29.7	28.6	25.5	21.2	17.3	15.1	13.3	11.1	10.2	10.2	10.3
47.5°	26.9	27.4	25.5	21.6	17.5	15.7	14.0	12.0	10.2	10.2	10.5
45°	23.6	26.0	25.3	22.1	18.1	16.3	14.6	12.8	10.9	10.3	10.7
42.5°	21.3	24.6	24.8	22.8	19.6	16.9	15.1	13.3	11.4	10.4	10.8
40°	24.2	24.1	24.9	24.3	21.6	17.5	15.6	13.7	11.9	10.7	10.9
37.5°	28.9	27.1	25.6	28.4	24.3	19.4	16.0	14.1	12.6	11.3	11.1
35°	36.6	32.7	31.8	34.3	29.8	21.6	16.4	14.5	13.6	11.9	11.2
32.5°	46.0	43.3	42.7	41.4	37.0	23.9	17.8	16.0	14.7	12.5	11.3
30°	61.3	63.0	55.4	50.1	45.3	30.6	20.7	17.7	16.0	13.0	11.5
27.5°	94.7	88.6	71.2	61.7	53.6	39.3	25.4	19.7	17.4	13.7	12.0
25°	139.1	122.4	96.3	75.0	62.9	61.4	30.7	22.0	19.1	14.9	12.4
22.5°	196.8	163.9	125.3	89.1	96.1	90.2	42.6	26.3	20.8	16.1	12.8
20°	262.8	211.5	165.3	137.7	134.8	119.4	63.6	30.8	22.7	17.3	13.2
17.5°	335.7	291.8	250.8	200.8	176.1	151.7	88.3	35.6	24.7	18.6	13.5
15°	465.9	412.4	343.8	269.2	219.1	186.6	115.7	40.6	26.7	19.9	14.1
12.5°	615.1	539.1	441.7	341.7	263.5	223.2	144.9	45.5	28.7	21.8	15.1
10°	768.4	670.0	542.9	416.7	308.8	261.0	174.9	52.0	32.9	24.1	16.2
7.5°	923.7	802.5	645.3	492.4	354.9	301.3	208.2	61.8	37.5	26.4	17.3
5°	1068.8	919.0	731.5	557.8	404.0	343.5	240.5	71.5	42.2	28.7	18.3
2.5°	1167.7	1007.4	803.9	617.5	452.1	384.4	270.2	81.0	46.7	30.8	19.4
0°	1260.9	1089.2	870.6	672.3	498.6	423.0	296.3	89.9	51.1	32.7	20.4
-2.5°	1278.0	1103.1	879.9	686.2	517.7	437.9	306.3	106.1	61.9	38.5	23.2
-5°	1288.1	1108.5	883.1	695.2	534.5	449.3	311.9	121.3	72.1	44.0	26.0
-7.5°	1237.7	1072.9	866.4	696.4	548.7	457.0	313.7	135.0	81.4	49.1	28.5
-10°	1170.2	1010.4	823.2	670.7	544.4	455.8	311.9	147.0	89.7	53.5	30.7
-12.5°	1099.4	943.2	778.3	643.6	536.3	447.5	306.2	157.7	96.8	57.2	32.6
-15°	1026.2	872.7	733.2	616.1	527.7	437.6	298.5	166.6	103.7	60.7	34.2
-17.5°	954.7	799.7	689.1	589.0	519.2	426.7	289.4	173.2	108.9	63.9	35.8
-20°	885.9	744.2	647.9	563.2	511.2	415.1	279.3	177.4	112.3	66.0	37.4



REPORT NUMBER: P731632 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	816.7	706.1	620.9	548.9	499.5	403.3	268.8	178.9	113.8	66.7	38.5
-25°	749.8	669.0	595.7	539.1	482.2	385.9	263.6	177.7	113.3	66.0	39.0
-27.5°	702.1	635.2	571.0	528.2	461.7	369.5	261.1	176.6	111.3	63.8	38.9
-30°	663.7	607.6	555.4	512.9	440.6	345.3	255.0	172.8	108.7	62.4	38.2
-32.5°	636.1	581.6	541.1	488.6	413.5	319.5	240.0	166.1	103.9	61.5	37.3
-35°	613.5	564.1	524.7	464.2	382.7	296.9	220.6	156.5	97.0	59.6	35.8
-37.5°	589.6	550.2	498.3	435.1	350.7	271.8	201.3	141.0	87.8	56.9	33.6
-40°	573.9	530.0	473.0	399.0	319.8	244.3	179.7	125.5	81.9	53.3	30.8
-42.5°	555.9	500.2	435.0	361.3	287.2	218.1	156.6	108.8	75.1	49.2	27.2
-45°	521.4	462.1	390.3	320.9	252.6	189.5	137.0	92.4	67.3	44.3	24.1
-47.5°	479.9	410.6	343.2	277.9	218.2	160.7	116.2	82.6	58.6	38.4	22.0
-50°	421.1	356.6	293.8	236.2	180.7	136.6	96.8	71.8	50.2	31.0	19.6
-52.5°	360.9	300.4	246.0	194.2	150.4	111.3	83.6	60.4	41.1	26.1	16.8
-55°	299.2	247.3	199.3	157.6	120.5	92.9	69.4	49.5	31.6	22.3	14.1
-57.5°	241.9	196.0	158.5	123.4	97.3	75.9	55.7	38.1	26.1	18.4	14.3
-60°	185.8	152.5	119.7	98.1	78.7	59.6	42.2	28.5	21.7	15.3	14.4
-62.5°	139.2	112.5	95.5	78.0	60.7	44.1	29.7	23.8	17.4	15.1	14.3
-65°	105.1	89.7	74.0	58.3	42.9	30.8	24.7	19.0	16.0	14.7	14.1
-67.5°	80.7	66.1	52.1	38.2	30.6	25.0	19.6	16.8	15.2	14.3	13.6
-70°	53.7	41.4	34.4	29.2	24.0	19.6	17.3	15.5	14.3	13.7	13.0
-72.5°	34.9	30.6	26.1	21.9	19.8	17.8	15.7	14.1	13.6	13.0	12.5
-75°	25.6	23.3	21.5	19.7	17.8	15.9	14.3	13.3	12.8	12.4	11.8
-77.5°	21.8	20.3	18.9	17.3	15.5	14.1	13.1	12.5	12.1	11.7	11.2
-80°	18.0	16.7	15.3	14.0	13.0	12.3	12.0	11.6	11.3	11.0	10.6
-82.5°	13.9	13.0	12.3	11.7	11.5	11.2	11.0	10.8	10.5	10.2	10.0
-85°	11.5	11.1	10.8	10.5	10.4	10.2	10.2	10.2	10.1	9.9	9.6
-87.5°	9.6	9.5	9.4	9.3	9.5	9.7	9.9	10.2	9.9	9.5	9.1
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



REPORT NUMBER: P731632 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.7	9.2	9.7	10.2	9.2	8.2
87.5°	8.7	8.6	8.5	8.5	8.4	8.3	8.2
85°	9.2	9.1	8.9	8.7	8.5	8.4	8.2
82.5°	9.7	9.5	9.2	9.0	8.7	8.5	8.2
80°	10.2	9.9	9.6	9.2	8.9	8.5	8.2
77.5°	10.2	10.2	9.9	9.5	9.1	8.6	8.2
75°	10.2	10.2	10.2	9.7	9.2	8.7	8.2
72.5°	10.2	10.2	10.2	10.0	9.4	8.8	8.2
70°	10.2	10.2	10.2	10.2	9.6	8.9	8.2
67.5°	10.2	10.2	10.2	10.2	9.7	9.0	8.2
65°	10.2	10.2	10.2	10.2	9.9	9.0	8.2
62.5°	10.2	10.2	10.2	10.2	10.0	9.1	8.2
60°	10.2	10.2	10.2	10.2	10.2	9.2	8.2
57.5°	10.2	10.2	10.2	10.2	10.2	9.3	8.2
55°	10.2	10.2	10.2	10.2	10.2	9.3	8.2
52.5°	10.2	10.2	10.2	10.2	10.2	9.4	8.2
50°	10.2	10.2	10.2	10.2	10.2	9.5	8.2
47.5°	10.2	10.2	10.2	10.2	10.2	9.6	8.2
45°	10.4	10.2	10.2	10.2	10.2	9.6	8.2
42.5°	10.6	10.2	10.2	10.2	10.2	9.7	8.2
40°	10.8	10.2	10.2	10.2	10.2	9.7	8.2
37.5°	11.1	10.2	10.2	10.2	10.2	9.8	8.2
35°	11.4	10.3	10.2	10.2	10.2	9.8	8.2
32.5°	11.6	10.6	10.2	10.2	10.2	9.9	8.2
30°	11.7	10.8	10.2	10.2	10.2	9.9	8.2
27.5°	11.9	11.0	10.2	10.2	10.2	10.0	8.2
25°	12.0	11.3	10.2	10.2	10.2	10.0	8.2
22.5°	12.1	11.5	10.2	10.2	10.2	10.0	8.2
20°	12.3	11.7	10.2	10.2	10.2	10.1	8.2
17.5°	12.4	11.8	10.2	10.2	10.2	10.1	8.2
15°	12.6	11.9	10.2	10.2	10.2	10.1	8.2
12.5°	12.9	12.0	10.2	10.2	10.2	10.2	8.2
10°	13.1	12.1	10.2	10.2	10.2	10.2	8.2
7.5°	13.4	12.2	10.2	10.2	10.2	10.2	8.2
5°	13.7	12.3	10.2	10.2	10.2	10.2	8.2
2.5°	14.0	12.3	10.2	10.2	10.2	10.2	8.2
0°	14.3	12.3	10.2	10.2	10.2	10.2	8.2
-2.5°	15.6	12.5	10.2	10.2	10.2	10.2	8.2
-5°	16.9	12.7	10.2	10.2	10.2	10.2	8.2
-7.5°	18.1	12.8	10.2	10.2	10.2	10.2	8.2
-10°	19.1	13.0	10.2	10.2	10.2	10.2	8.2
-12.5°	20.0	13.0	10.2	10.2	10.2	10.2	8.2
-15°	20.6	13.0	10.2	10.2	10.2	10.1	8.2
-17.5°	21.0	13.0	10.2	10.2	10.2	10.1	8.2
-20°	21.3	12.9	10.2	10.2	10.2	10.1	8.2



REPORT NUMBER: P731632 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.8	12.7	10.2	10.2	10.2	10.1	8.2
-25°	21.9	12.7	10.2	10.2	10.2	10.1	8.2
-27.5°	21.6	12.7	10.2	10.2	10.2	10.0	8.2
-30°	20.8	12.5	10.2	10.2	10.2	10.0	8.2
-32.5°	19.6	12.2	10.4	10.2	10.2	10.0	8.2
-35°	18.8	11.7	10.5	10.2	10.2	9.9	8.2
-37.5°	18.2	11.3	10.7	10.2	10.2	9.9	8.2
-40°	17.3	11.5	10.8	10.2	10.2	9.9	8.2
-42.5°	16.1	11.6	10.9	10.2	10.2	9.9	8.2
-45°	14.7	11.8	11.0	10.3	10.2	9.8	8.2
-47.5°	13.0	12.0	11.0	10.3	10.2	9.8	8.2
-50°	12.9	12.1	11.1	10.3	10.2	9.8	8.2
-52.5°	13.1	12.2	11.1	10.4	10.2	9.7	8.2
-55°	13.2	12.2	11.1	10.4	10.2	9.7	8.2
-57.5°	13.4	12.1	11.0	10.4	10.2	9.7	8.2
-60°	13.5	12.0	11.0	10.4	10.2	9.6	8.2
-62.5°	13.2	11.8	10.9	10.3	10.2	9.6	8.2
-65°	12.9	11.7	10.8	10.3	10.2	9.6	8.2
-67.5°	12.6	11.4	10.7	10.3	10.2	9.5	8.2
-70°	12.2	11.2	10.5	10.2	10.2	9.5	8.2
-72.5°	11.7	10.9	10.4	10.2	10.2	9.5	8.2
-75°	11.3	10.6	10.2	10.1	10.2	9.4	8.2
-77.5°	10.8	10.3	10.1	10.0	10.2	9.4	8.2
-80°	10.3	10.0	9.9	10.0	10.2	9.4	8.2
-82.5°	9.8	9.7	9.7	9.9	10.2	9.3	8.2
-85°	9.2	9.4	9.6	9.8	10.2	9.3	8.2
-87.5°	8.7	9.0	9.4	9.8	10.2	9.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(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

