

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: P731620 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-1S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731620 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-1S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

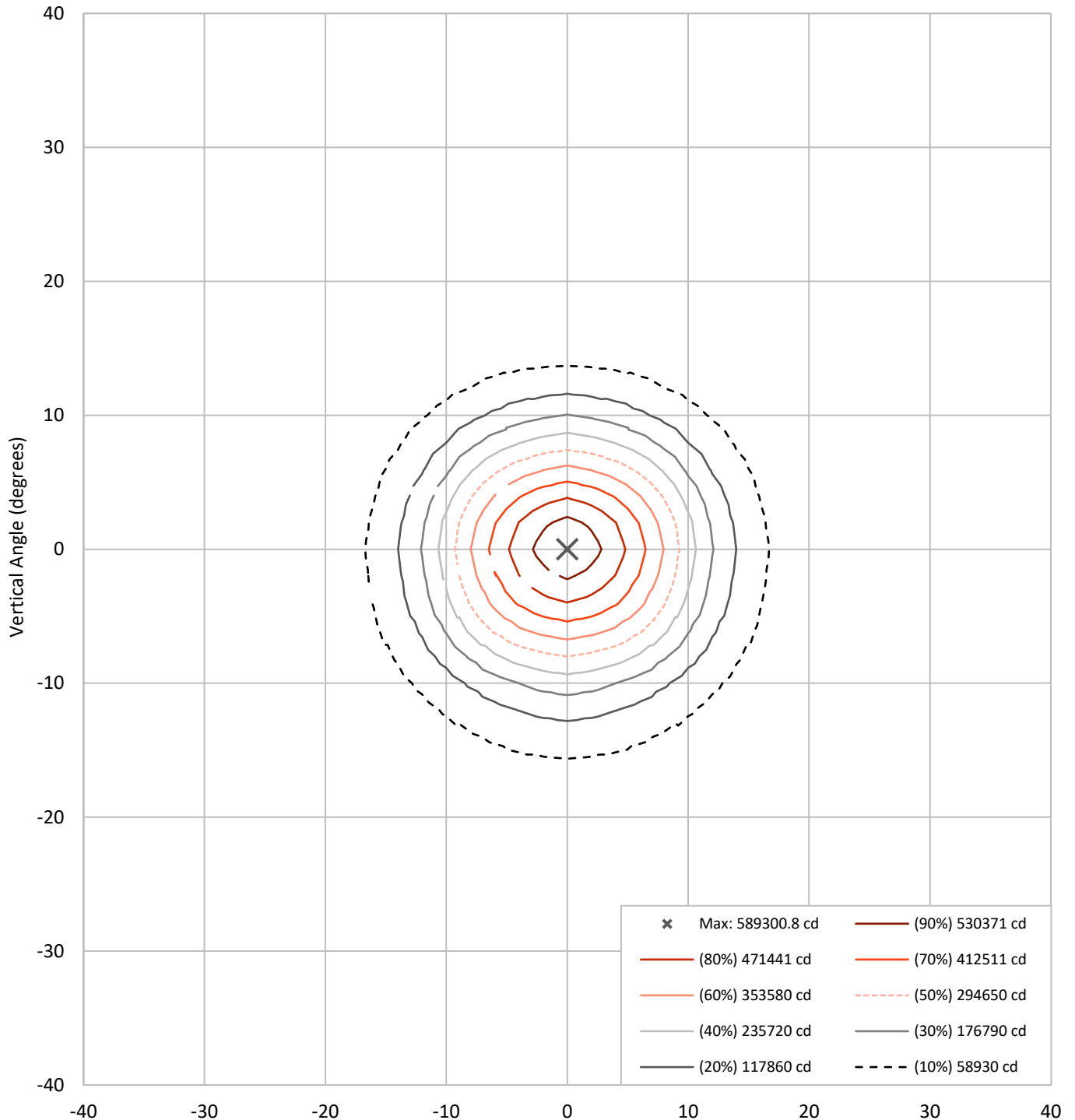
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	60585.8 lumens	Max Intensity:	589300.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	83.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	27941.4 lumens	Field Lumens:	51548.9 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

Input Watts (W): 724.3
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





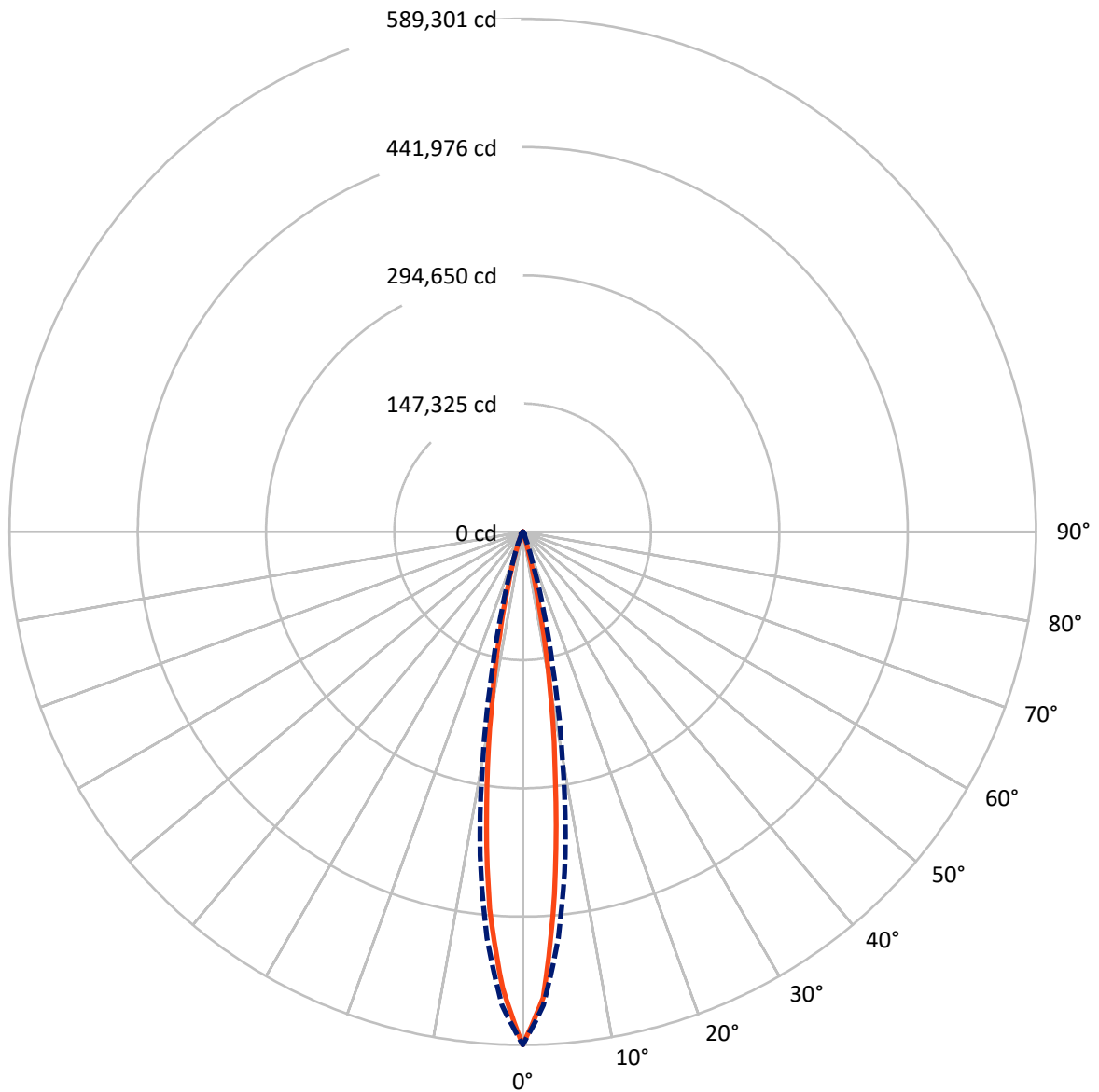
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Lumen Table

90	0.2	0.4	0.7	0.7	0.9	0.7	0.7	0.4	0.2							
80	0.2	0.1	0.2	0.6	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.6	0.2	0.1	0.2
70	0.2	0.2	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.2	0.2
60	0.3	0.2	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.2	0.3
50	0.3	0.3	0.7	0.9	1.6	2.2	2.4	2.7	2.7	2.4	2.2	1.6	0.9	0.7	0.3	0.3
40	0.4	0.5	1.5	3.6	6.8	7.7	10.9	22.0	22.0	10.9	7.7	6.8	3.6	1.5	0.5	0.4
30	0.4	1.2	4.9	16.5	30.8	41.0	303.7	1265.1	1265.1	303.7	41.0	30.8	16.5	4.9	1.2	0.4
20	0.4	2.0	9.7	41.6	67.4	153.2	2228.6	9656.9	9656.9	2228.6	153.2	67.4	41.6	9.7	2.0	0.4
10	0.4	2.5	11.4	47.9	78.9	157.0	2391.7	10093.6	10093.6	2391.7	157.0	78.9	47.9	11.4	2.5	0.4
0	0.5	2.6	9.9	36.2	65.2	71.8	510.1	1981.2	1981.2	510.1	71.8	65.2	36.2	9.9	2.6	0.5
-10	0.5	2.5	8.6	20.3	52.5	60.7	67.0	130.4	130.4	67.0	60.7	52.5	20.3	8.6	2.5	0.5
-20	0.5	2.2	7.3	12.9	32.1	60.7	70.9	71.6	71.6	70.9	60.7	32.1	12.9	7.3	2.2	0.5
-30	0.5	1.5	5.4	11.1	17.4	30.6	51.7	67.9	67.9	51.7	30.6	17.4	11.1	5.4	1.5	0.5
-40	0.3	0.7	3.0	7.3	13.0	18.0	21.2	23.6	23.6	21.2	18.0	13.0	7.3	3.0	0.7	0.3
-50	0.3	0.3	1.0	2.9	5.7	9.0	11.9	14.1	14.1	11.9	9.0	5.7	2.9	1.0	0.3	0.3
-60	0.3	0.3	1.0	2.9	5.7	9.0	11.9	14.1	14.1	11.9	9.0	5.7	2.9	1.0	0.3	0.3
-70	0.2	1.0	2.7	6.3	10.6	6.3	2.7	1.0	0.2							
-80	0.2	1.0	2.7	6.3	10.6	6.3	2.7	1.0	0.2							
-90	0.2	1.0	2.7	6.3	10.6	6.3	2.7	1.0	0.2							

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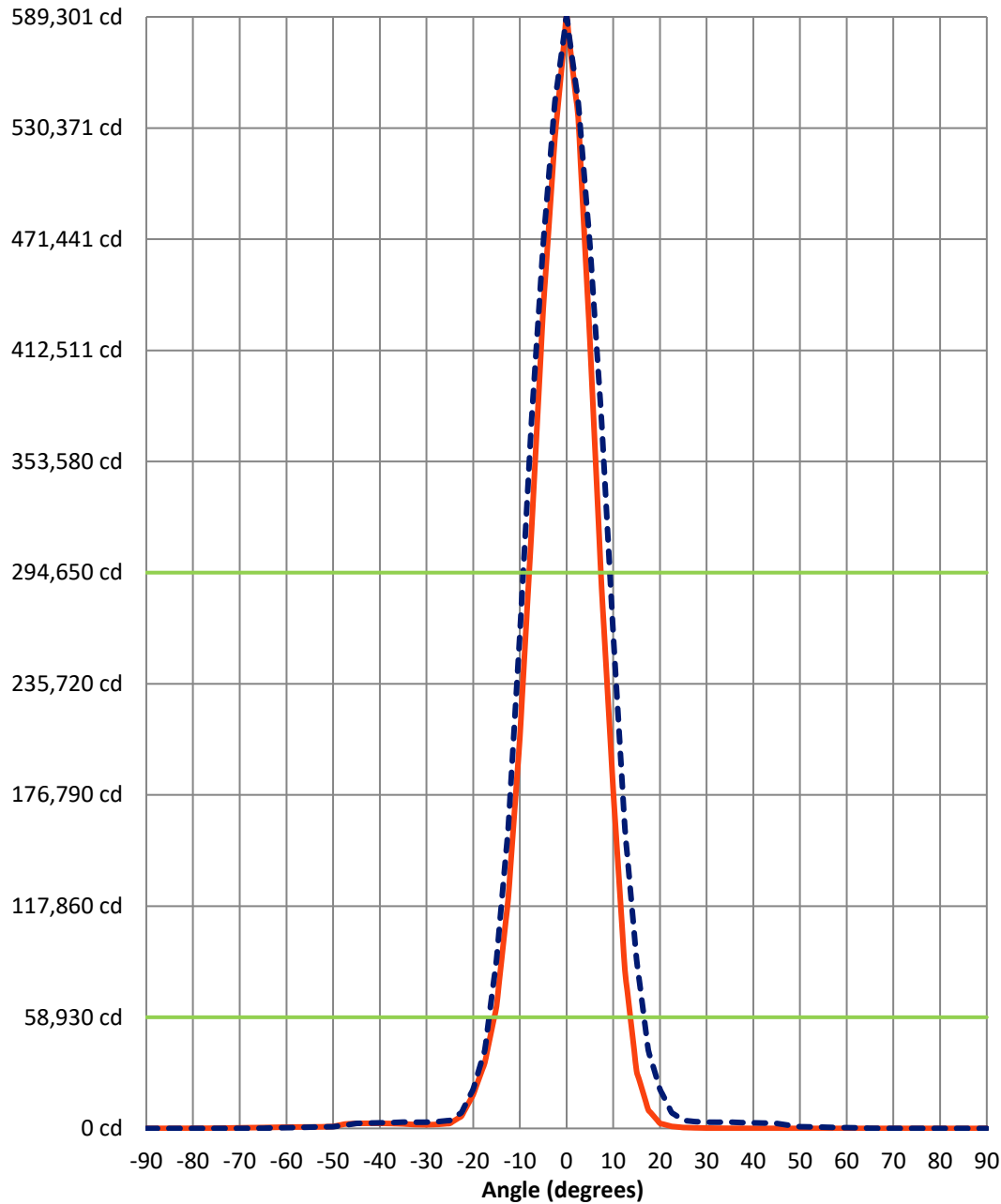
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 18.6°
V Angle: 15.4°
Lumens: 27941.4
Efficiency: 46.1%

Field:
H Angle: 33.2°
V Angle: 29.1°
Lumens: 51548.9
Efficiency: 85.1%

Spill:
Lumens: 9036.8
Efficiency: 14.9%

— 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°	7.5	7.5	7.5	7.9	8.3	8.6	9.0	9.0	9.0	9.0	9.0
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	7.5	7.5	7.5	7.5	7.5	7.6	7.5	7.5	7.5	7.5	7.5
75°	7.5	7.5	7.5	7.5	7.5	7.7	7.6	7.5	7.5	7.6	7.6
72.5°	7.5	7.5	7.5	7.5	7.8	8.0	7.7	7.6	7.8	7.8	7.6
70°	7.5	7.5	7.5	7.6	8.1	8.2	7.8	8.0	8.1	8.1	8.2
67.5°	7.5	7.5	7.5	7.9	8.4	8.4	8.2	8.3	8.5	8.7	8.8
65°	7.5	7.5	7.5	8.2	8.7	8.7	8.7	8.7	9.0	9.2	9.3
62.5°	7.5	7.5	7.5	8.5	9.0	9.1	9.1	9.2	9.5	9.8	9.6
60°	7.5	7.5	7.5	8.8	9.4	9.5	9.5	9.6	10.0	10.1	9.8
57.5°	7.5	7.5	7.7	9.1	9.7	9.8	10.0	10.1	10.5	10.5	10.4
55°	7.5	7.5	7.9	9.4	10.0	10.2	10.6	10.7	10.9	11.0	11.1
52.5°	7.5	7.5	8.1	9.7	10.3	10.6	11.1	11.3	11.4	11.6	11.9
50°	7.5	7.5	8.3	10.1	10.5	11.1	11.7	12.0	11.9	12.3	13.7
47.5°	7.5	7.5	8.4	10.4	10.8	11.6	12.3	12.8	12.5	12.9	15.5
45°	7.5	7.5	8.6	10.6	11.1	12.1	13.0	13.6	13.4	14.4	17.3
42.5°	7.5	7.5	8.7	10.8	11.4	12.6	13.8	14.5	14.5	15.9	19.1
40°	7.5	7.5	8.8	10.9	11.7	13.1	14.6	15.5	15.8	17.3	20.7
37.5°	7.5	7.5	8.9	10.9	12.1	13.7	15.5	16.5	17.5	19.2	22.0
35°	7.5	7.5	9.0	11.0	12.5	14.3	16.3	17.6	19.2	21.4	22.9
32.5°	7.5	7.5	9.1	11.0	13.0	15.0	17.3	18.8	20.8	23.8	25.3
30°	7.5	7.5	9.1	11.0	13.4	15.7	18.2	20.0	22.4	26.3	28.2
27.5°	7.5	7.5	9.2	11.0	13.5	16.4	19.2	21.4	24.2	28.9	31.3
25°	7.5	7.5	9.2	11.0	13.5	17.1	20.1	22.7	26.4	31.7	34.9
22.5°	7.5	7.5	9.3	11.0	13.5	17.6	21.1	24.1	28.6	34.5	40.2
20°	7.5	7.5	9.3	11.0	13.5	17.6	22.1	25.3	30.9	37.5	46.0
17.5°	7.5	7.5	9.3	11.0	13.4	17.5	22.3	26.6	33.2	40.6	52.0
15°	7.5	7.5	9.3	10.9	13.3	17.3	21.9	27.1	35.5	43.7	58.3
12.5°	7.5	7.5	9.2	10.9	13.1	17.0	21.4	26.7	36.5	46.9	64.7
10°	7.5	7.5	9.2	10.8	12.9	16.7	20.8	26.3	36.4	48.3	70.8
7.5°	7.5	7.5	9.2	10.8	12.7	16.3	20.2	25.8	36.2	49.6	76.3
5°	7.5	7.5	9.1	10.7	12.5	15.9	19.5	25.3	35.8	50.7	81.8
2.5°	7.5	7.5	9.1	10.6	12.3	15.5	18.8	24.7	35.2	51.7	86.9
0°	7.5	7.5	9.0	10.5	12.0	15.0	18.0	24.0	34.5	52.5	91.4
-2.5°	7.5	7.5	9.0	10.5	12.1	15.2	18.8	26.5	40.7	62.8	105.7
-5°	7.5	7.6	9.0	10.5	12.2	15.3	19.5	28.9	46.5	72.7	118.9
-7.5°	7.5	7.6	9.0	10.5	12.3	15.4	20.2	31.1	51.8	81.7	131.0
-10°	7.5	7.6	9.0	10.4	12.4	15.4	20.7	33.0	56.5	89.8	141.6
-12.5°	7.5	7.7	8.9	10.4	12.4	15.5	21.1	34.5	60.3	97.0	151.7
-15°	7.5	7.7	8.9	10.3	12.5	15.5	21.4	35.5	64.2	104.5	160.5
-17.5°	7.5	7.7	8.9	10.3	12.5	15.4	21.5	37.2	68.4	110.7	167.4
-20°	7.5	7.7	8.9	10.2	12.4	15.4	21.8	39.1	71.4	115.5	172.1



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	7.8	8.9	10.2	12.3	15.3	22.4	40.2	73.1	118.9	174.7
-25°	7.5	7.8	8.8	10.1	12.2	15.4	22.7	40.3	73.5	120.8	175.0
-27.5°	7.5	7.8	8.8	10.0	12.1	15.6	22.5	39.5	72.4	121.1	176.4
-30°	7.5	7.8	8.8	9.9	11.9	15.6	21.9	37.6	71.0	119.7	176.0
-32.5°	7.5	7.8	8.8	9.8	11.9	15.6	20.9	36.5	68.9	116.3	173.4
-35°	7.5	7.9	8.8	9.7	11.8	15.5	20.5	35.3	65.1	110.9	168.8
-37.5°	7.5	7.9	8.8	9.6	11.7	15.4	20.3	33.4	59.9	103.3	156.1
-40°	7.5	7.9	8.7	9.4	11.6	15.2	20.0	30.8	53.0	95.4	141.3
-42.5°	7.5	7.9	8.7	9.4	11.5	15.0	19.6	27.6	47.9	83.7	125.1
-45°	7.5	7.9	8.7	9.3	11.4	14.7	19.0	25.0	43.3	70.7	107.9
-47.5°	7.5	7.9	8.7	9.3	11.4	14.4	18.3	24.1	37.8	56.8	92.2
-50°	7.5	7.9	8.7	9.3	11.3	14.0	17.8	23.1	30.9	48.9	75.3
-52.5°	7.5	7.9	8.8	9.4	11.2	13.6	17.2	21.8	27.4	40.5	58.4
-55°	7.5	7.9	8.8	9.4	11.0	13.3	16.6	20.5	25.4	31.7	48.4
-57.5°	7.5	7.8	8.8	9.4	10.8	13.1	16.0	19.7	23.4	27.9	37.9
-60°	7.5	7.8	8.8	9.4	10.6	12.8	15.3	18.6	21.5	25.5	29.7
-62.5°	7.5	7.8	8.7	9.4	10.6	12.5	14.8	17.6	20.2	23.1	27.0
-65°	7.5	7.8	8.6	9.4	10.4	12.1	14.3	16.5	18.9	21.4	24.2
-67.5°	7.5	7.8	8.6	9.4	10.3	11.8	13.8	15.8	17.6	19.9	22.2
-70°	7.5	7.7	8.5	9.3	10.1	11.4	13.2	15.0	16.7	18.4	20.6
-72.5°	7.5	7.7	8.4	9.2	10.0	11.1	12.6	14.2	15.8	17.4	19.0
-75°	7.5	7.7	8.2	9.0	9.7	10.7	12.0	13.4	14.9	16.4	17.8
-77.5°	7.5	7.7	8.1	8.8	9.5	10.2	11.3	12.5	13.8	15.2	16.6
-80°	7.5	7.6	8.0	8.6	9.3	9.9	10.6	11.5	12.6	13.7	15.0
-82.5°	7.5	7.6	7.9	8.5	9.0	9.6	10.1	10.7	11.3	12.2	13.2
-85°	7.5	7.6	7.8	8.3	8.8	9.3	9.8	10.1	10.5	11.0	11.5
-87.5°	7.5	7.5	7.6	8.1	8.5	8.9	9.4	9.6	9.8	10.0	10.3
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



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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°	9.0	9.0	9.0	9.0	9.4	9.8	10.1	10.5	10.5	10.5	10.5
87.5°	7.1	6.8	6.4	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
85°	7.1	6.8	6.4	6.0	5.7	5.5	5.3	5.1	5.0	4.9	4.7
82.5°	7.2	6.8	6.4	6.0	5.9	5.9	6.0	6.0	5.7	5.3	4.9
80°	7.2	6.8	6.6	6.5	6.5	6.5	6.3	6.1	5.7	5.4	5.2
77.5°	7.3	7.2	7.2	7.3	7.2	7.0	6.8	6.8	6.7	6.6	6.4
75°	7.4	7.5	7.6	7.6	7.4	7.4	7.5	7.5	7.4	7.2	7.2
72.5°	7.7	7.9	7.9	7.7	7.5	7.5	7.5	7.5	8.4	9.8	10.9
70°	8.4	8.4	8.1	7.7	7.5	7.9	9.6	11.7	13.7	15.8	18.4
67.5°	8.9	8.5	8.2	8.1	9.3	11.2	13.5	19.0	25.7	28.5	29.7
65°	9.0	8.6	9.0	10.2	11.8	15.8	21.8	29.6	37.9	39.4	38.5
62.5°	9.1	9.4	10.4	12.5	15.8	21.1	28.8	37.4	47.0	47.1	41.2
60°	9.7	10.3	12.6	16.1	19.9	25.8	34.6	41.3	48.3	51.0	39.0
57.5°	10.5	12.1	15.6	19.8	24.6	28.9	33.7	40.1	42.9	42.8	31.6
55°	11.9	14.6	18.9	24.1	27.6	26.7	30.0	32.2	32.7	30.4	22.0
52.5°	14.2	17.3	22.8	27.3	28.0	25.2	23.5	24.6	23.1	19.7	17.1
50°	16.5	20.9	26.3	29.2	27.6	22.6	18.7	18.8	17.8	16.3	14.6
47.5°	19.0	24.1	29.3	30.6	25.3	21.6	18.1	16.8	16.0	15.4	14.1
45°	21.5	26.4	31.9	28.6	24.6	22.4	19.7	16.5	16.5	16.0	16.0
42.5°	23.6	28.2	30.5	26.8	26.2	24.6	22.3	19.3	18.1	18.8	19.2
40°	24.9	29.5	29.3	29.3	28.8	27.9	26.2	23.9	21.4	23.0	23.9
37.5°	25.8	29.3	30.2	33.5	32.4	32.1	31.0	31.3	29.6	28.6	32.2
35°	26.3	30.0	35.2	39.1	38.6	37.3	39.2	40.4	39.8	38.6	44.3
32.5°	27.1	31.6	41.6	45.7	47.2	46.4	48.9	51.2	53.6	56.6	65.7
30°	30.0	37.4	48.7	53.3	57.9	63.3	62.1	63.9	70.5	91.8	111.7
27.5°	35.7	45.0	55.9	63.3	71.6	84.1	86.9	83.6	104.0	137.9	173.3
25°	42.3	67.6	63.6	75.1	91.8	109.1	118.5	125.7	153.7	203.4	240.4
22.5°	55.1	97.6	97.0	88.1	114.7	138.0	160.5	210.2	280.8	303.4	310.7
20°	77.2	127.5	137.0	139.9	149.0	170.3	208.5	325.4	466.5	519.6	462.8
17.5°	103.1	160.3	181.1	203.8	231.6	238.0	270.4	463.9	697.6	777.5	777.8
15°	132.1	195.4	227.9	274.0	319.8	348.7	456.4	690.2	947.6	1074.2	1146.5
12.5°	163.1	232.2	276.8	349.0	412.2	462.9	698.2	1071.0	1310.4	1420.9	1631.8
10°	195.1	270.0	327.0	427.2	507.6	579.5	970.0	1477.3	1710.5	1818.7	2059.6
7.5°	226.9	305.4	376.1	506.9	604.5	696.9	1259.4	1897.0	2096.6	2193.0	2389.3
5°	257.6	336.7	414.9	567.3	681.2	793.1	1522.0	2315.2	2470.6	2548.4	2659.1
2.5°	285.8	366.4	452.1	621.7	742.7	853.7	1636.1	2498.8	2669.3	2786.0	2880.4
0°	310.3	394.3	487.2	671.6	800.5	909.9	1719.4	2650.3	2830.2	2969.6	3083.6
-2.5°	311.5	400.1	498.7	669.5	787.6	900.9	1639.9	2616.0	2885.4	3094.6	3265.4
-5°	308.5	403.5	507.2	663.1	771.6	887.4	1535.2	2533.9	2896.6	3119.4	3293.9
-7.5°	302.4	404.4	512.2	651.4	748.0	853.2	1443.7	2366.1	2765.7	2956.5	3141.8
-10°	294.3	402.1	504.8	624.3	713.9	806.2	1327.4	2171.0	2631.5	2795.4	2967.4
-12.5°	287.4	397.4	493.9	597.6	679.4	757.9	1175.1	1956.4	2498.4	2641.2	2778.6
-15°	279.2	391.2	481.7	572.7	645.1	709.2	985.1	1729.3	2368.4	2528.7	2634.9
-17.5°	270.4	383.7	468.5	550.8	611.9	660.9	760.1	1456.4	2152.0	2396.3	2520.6
-20°	261.7	375.1	454.6	533.2	580.6	626.8	693.3	1178.5	1814.4	2236.4	2395.1



REPORT NUMBER: P731620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	253.5	365.6	441.0	515.1	563.9	604.9	658.0	907.9	1457.8	2055.6	2247.1
-25°	250.5	350.8	427.7	497.7	551.6	584.2	621.8	680.7	1128.6	1696.7	2080.7
-27.5°	249.7	338.5	412.1	479.2	541.9	566.5	595.4	640.2	869.7	1328.6	1875.6
-30°	245.8	320.9	394.8	459.9	523.0	556.6	574.7	610.2	671.7	1024.3	1472.9
-32.5°	234.4	302.1	374.2	439.3	500.7	550.7	564.6	594.4	639.8	740.7	1104.7
-35°	220.2	284.4	351.9	417.1	477.7	533.4	564.5	582.1	612.4	660.6	824.1
-37.5°	206.8	265.5	328.9	392.8	452.0	508.4	562.7	578.2	598.6	632.9	695.2
-40°	191.2	245.2	306.3	367.0	424.2	480.0	533.5	578.8	591.1	625.7	669.3
-42.5°	173.4	225.6	282.9	339.7	393.2	447.8	501.7	552.5	600.1	623.9	657.6
-45°	153.8	203.5	258.2	309.0	359.0	412.4	465.0	517.8	579.3	634.6	657.2
-47.5°	132.6	179.3	230.4	276.1	322.7	372.3	424.9	480.5	542.4	603.6	666.8
-50°	110.8	154.0	198.5	241.7	284.4	329.9	378.3	436.9	495.9	557.1	618.4
-52.5°	90.8	126.9	166.8	206.6	245.9	285.8	332.2	385.2	442.1	500.7	555.2
-55°	69.7	101.9	134.3	171.0	207.8	243.3	284.3	332.2	381.5	435.5	484.9
-57.5°	54.2	76.6	104.6	134.5	168.6	202.9	240.2	278.5	322.4	367.8	408.5
-60°	41.9	56.5	76.6	101.9	128.0	160.6	195.6	230.5	265.9	299.3	334.0
-62.5°	30.9	42.4	55.2	71.4	94.0	118.1	148.1	180.0	212.3	240.6	266.0
-65°	27.8	31.0	39.9	51.2	61.9	83.2	105.7	128.3	156.0	180.9	204.0
-67.5°	24.6	27.6	30.4	34.9	44.9	56.0	67.5	87.3	107.0	124.2	141.4
-70°	22.5	24.2	26.7	29.2	31.9	37.0	46.8	56.9	67.0	79.0	94.0
-72.5°	20.6	22.1	23.7	25.2	27.5	30.3	33.1	36.1	42.0	50.0	58.3
-75°	18.9	20.0	21.4	22.7	24.2	25.8	27.7	30.1	32.5	34.5	36.4
-77.5°	17.5	18.3	19.2	20.3	21.4	22.7	24.0	25.5	26.9	28.5	30.2
-80°	15.8	16.5	17.1	17.8	18.6	19.4	20.4	21.4	22.1	22.9	23.9
-82.5°	13.7	14.2	14.7	15.2	15.7	16.2	16.6	17.2	17.5	17.8	18.1
-85°	11.8	12.0	12.3	12.7	13.0	13.3	13.6	13.9	13.8	13.7	13.5
-87.5°	10.4	10.5	10.6	10.7	11.0	11.2	11.4	11.6	11.3	11.1	10.8
-90°	7.1	6.8	6.4	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.5	10.5	10.5	10.5	10.5	14.6	18.7	22.9	27.0	37.1	47.2
87.5°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
85°	4.5	4.1	3.8	3.4	3.0	2.9	2.9	2.9	2.9	2.6	2.2
82.5°	4.5	4.3	4.2	4.1	4.1	3.9	3.6	3.3	3.0	2.6	2.3
80°	5.0	4.9	4.9	4.7	4.5	4.2	3.8	3.4	3.0	3.0	3.0
77.5°	6.2	6.0	5.6	5.2	4.6	4.4	4.3	4.2	4.2	4.0	3.7
75°	7.4	7.3	7.1	6.7	6.1	6.0	6.0	5.9	5.7	5.5	5.2
72.5°	11.9	12.1	11.5	11.1	10.2	9.9	9.9	9.8	9.6	9.4	9.3
70°	19.9	20.1	19.4	18.0	15.7	14.2	13.6	12.8	11.9	12.1	12.9
67.5°	28.7	26.7	24.6	22.2	18.9	16.5	15.3	14.1	12.6	11.9	11.6
65°	34.8	27.6	23.5	20.8	19.0	17.2	15.2	13.4	11.8	10.7	10.1
62.5°	33.2	23.6	19.3	17.3	15.8	14.6	12.6	10.9	9.4	8.4	8.4
60°	28.5	19.7	15.1	13.5	12.0	10.6	9.6	8.7	8.0	7.6	8.0
57.5°	22.3	15.5	11.9	11.3	10.5	9.5	8.9	8.6	8.1	7.5	8.0
55°	16.3	13.6	12.1	11.6	11.2	10.7	10.2	9.5	8.9	8.5	8.7
52.5°	14.1	13.3	13.2	13.0	12.1	11.3	10.4	10.3	10.2	10.0	10.1
50°	13.7	13.6	13.7	13.3	12.5	12.1	11.9	11.8	11.7	11.5	11.6
47.5°	14.1	14.3	14.3	13.6	13.4	13.6	13.5	13.4	13.6	13.8	14.0
45°	15.4	15.9	16.0	16.3	15.9	16.3	16.4	16.2	18.7	18.9	17.8
42.5°	18.7	20.7	22.2	21.7	19.8	23.7	29.6	32.2	29.6	25.8	23.2
40°	26.7	29.2	30.2	32.2	40.1	46.2	40.7	35.0	32.6	34.6	36.3
37.5°	37.3	40.6	50.1	62.2	57.8	47.1	48.3	48.7	47.6	50.8	51.2
35°	54.6	70.0	81.4	77.8	72.4	71.3	73.9	74.7	67.5	70.8	71.9
32.5°	87.4	106.2	107.1	102.3	104.9	105.5	112.8	107.9	101.7	104.7	113.0
30°	126.2	144.8	151.6	142.9	127.1	136.0	143.5	141.2	145.6	158.4	172.0
27.5°	186.9	198.9	210.1	192.8	161.3	175.1	180.4	175.0	204.9	221.0	252.9
25°	259.3	272.9	281.7	267.1	245.4	234.1	251.1	263.9	300.4	336.0	385.9
22.5°	338.0	374.6	385.1	347.2	347.1	347.0	353.6	397.0	446.1	524.6	656.2
20°	429.9	502.7	561.0	522.5	473.0	506.4	547.7	600.9	740.8	1096.7	1501.4
17.5°	755.4	704.3	811.5	815.1	744.0	821.9	970.3	1161.2	1751.6	3567.3	4757.5
15°	1285.4	1231.6	1164.9	1168.4	1238.6	1391.4	1694.9	2752.1	5360.1	9235.2	13240.0
12.5°	1826.5	1745.8	1647.6	1621.6	1774.9	2082.5	3514.7	7865.1	14005.9	20693.2	37847.6
10°	2253.5	2210.5	2119.9	2187.5	2443.6	3347.1	6276.0	13821.4	26493.2	48648.1	75985.1
7.5°	2504.0	2487.6	2512.0	2710.5	3127.9	5506.7	11946.5	23162.4	44043.9	77617.0	126867.1
5°	2755.5	2769.2	2843.2	3116.2	3650.4	7004.5	16861.1	32187.1	63772.4	113123.0	189390.2
2.5°	3034.2	3046.7	3146.2	3490.0	4101.4	7238.6	18030.8	37934.4	80857.8	145528.8	246626.2
0°	3354.9	3282.9	3312.9	3626.2	4257.3	8442.7	20808.4	41598.8	89489.0	158989.7	262103.7
-2.5°	3468.8	3314.8	3286.7	3551.3	4104.5	7481.7	18587.9	38682.9	82193.8	145654.5	244403.3
-5°	3391.5	3181.2	3097.0	3313.4	3838.6	6560.5	15629.5	35198.7	72975.4	124600.3	207097.8
-7.5°	3199.4	2997.7	2873.7	3036.6	3495.1	5405.9	11972.0	26654.8	53117.7	92190.7	147117.5
-10°	3034.5	2841.2	2652.1	2704.3	3021.9	4023.9	7453.1	17459.4	35094.1	62231.3	93533.2
-12.5°	2891.8	2729.8	2446.7	2360.7	2538.6	3008.9	5201.8	11900.1	22447.9	35301.6	57243.7
-15°	2744.1	2611.4	2328.7	2192.6	2256.0	2485.1	3079.1	5715.8	12291.4	20922.2	30374.7
-17.5°	2580.3	2489.2	2319.2	2118.2	2032.2	2124.3	2408.0	3222.3	5462.3	10841.2	16735.1
-20°	2469.3	2418.7	2293.9	2117.4	2006.9	1964.4	2062.8	2312.1	2862.3	4923.9	7463.0



REPORT NUMBER: P731620 (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°	2330.3	2309.3	2225.1	2174.6	2093.8	2002.4	1916.1	1993.4	2176.0	2457.0	3334.4
-25°	2198.8	2203.9	2209.4	2276.0	2263.0	2135.4	1971.6	1854.3	1915.8	2003.9	2181.5
-27.5°	2053.4	2125.6	2237.7	2362.8	2420.9	2313.0	2120.1	1944.3	1891.9	1840.4	1915.5
-30°	1925.5	2072.6	2192.7	2345.6	2445.8	2413.6	2314.2	2195.7	2067.3	1978.0	1948.7
-32.5°	1595.7	2003.5	2114.6	2237.5	2387.1	2434.8	2423.5	2378.0	2323.0	2260.2	2195.0
-35°	1240.2	1692.8	2065.3	2136.0	2233.8	2375.0	2486.1	2493.8	2486.7	2463.6	2446.1
-37.5°	875.8	1306.7	1699.1	2014.1	2131.5	2225.5	2395.7	2525.7	2599.7	2593.9	2595.6
-40°	727.3	846.0	1240.7	1604.8	1874.7	2126.3	2262.0	2432.2	2567.5	2622.7	2664.6
-42.5°	701.6	747.6	794.8	1067.9	1415.3	1719.8	1953.9	2169.9	2361.0	2497.2	2605.3
-45°	683.5	714.7	750.4	795.8	844.7	1116.7	1419.1	1700.4	1884.2	2068.1	2260.0
-47.5°	682.8	690.5	715.8	747.7	778.8	822.9	873.4	942.0	1145.5	1330.2	1525.2
-50°	662.4	693.3	701.9	711.6	731.5	755.7	779.5	804.2	827.4	842.0	861.8
-52.5°	602.2	642.1	679.5	708.6	716.2	723.5	730.4	746.4	761.9	774.8	789.5
-55°	529.5	571.7	612.9	646.4	676.5	705.0	726.2	729.7	734.4	740.1	749.0
-57.5°	450.7	491.8	530.8	565.9	598.9	629.6	651.7	668.2	683.5	698.2	717.1
-60°	369.7	406.0	441.5	475.5	508.1	539.1	559.5	576.2	590.7	605.1	624.6
-62.5°	290.3	318.1	350.3	380.9	409.2	435.8	457.0	474.9	489.8	504.8	522.9
-65°	225.7	246.4	270.3	292.6	313.5	338.1	361.0	379.7	394.7	409.4	425.6
-67.5°	161.1	180.3	202.6	223.3	242.8	261.6	280.7	298.7	315.4	332.2	349.0
-70°	107.6	121.2	137.3	155.0	173.3	190.3	206.7	222.4	237.3	252.3	266.7
-72.5°	66.7	75.1	84.1	95.9	108.2	120.1	131.8	143.4	154.9	168.4	181.8
-75°	38.1	41.5	48.3	54.8	61.0	66.8	71.8	76.0	79.6	87.5	96.2
-77.5°	32.0	33.7	35.4	37.2	39.0	41.5	44.2	47.0	49.9	56.3	63.3
-80°	24.9	26.0	27.3	28.6	29.9	31.8	33.7	35.5	37.2	41.9	46.9
-82.5°	18.4	19.0	19.5	19.9	20.4	21.8	23.3	24.8	26.2	30.1	34.0
-85°	13.4	13.6	13.8	14.0	14.2	15.4	16.7	17.9	19.2	23.0	26.8
-87.5°	10.5	10.5	10.5	10.5	10.5	11.8	13.1	14.3	15.4	19.5	23.6
-90°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	57.4	67.5	57.0	46.5	57.0	67.5	57.4	47.2	37.1	27.0	22.9
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.6	2.9	2.9
82.5°	1.9	1.5	2.2	3.0	2.2	1.5	1.9	2.3	2.6	3.0	3.3
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4
77.5°	3.4	3.0	3.0	3.0	3.0	3.0	3.4	3.7	4.0	4.2	4.2
75°	4.8	4.5	4.5	4.5	4.5	4.5	4.8	5.2	5.5	5.7	5.9
72.5°	9.2	8.9	9.0	9.0	9.0	8.9	9.2	9.3	9.4	9.6	9.8
70°	13.8	14.7	15.0	15.0	15.0	14.7	13.8	12.9	12.1	11.9	12.8
67.5°	11.2	10.7	10.5	10.5	10.5	10.7	11.2	11.6	11.9	12.6	14.1
65°	9.6	9.1	9.0	9.0	9.0	9.1	9.6	10.1	10.7	11.8	13.4
62.5°	8.6	8.9	9.0	9.0	9.0	8.9	8.6	8.4	8.4	9.4	10.9
60°	8.5	8.9	9.0	9.0	9.0	8.9	8.5	8.0	7.6	8.0	8.7
57.5°	8.4	8.9	9.0	9.0	9.0	8.9	8.4	8.0	7.5	8.1	8.6
55°	8.9	9.0	9.6	10.5	9.6	9.0	8.9	8.7	8.5	8.9	9.5
52.5°	10.3	10.4	10.5	10.5	10.5	10.4	10.3	10.1	10.0	10.2	10.3
50°	11.8	11.9	12.0	12.0	12.0	11.9	11.8	11.6	11.5	11.7	11.8
47.5°	14.5	14.8	14.9	15.0	14.9	14.8	14.5	14.0	13.8	13.6	13.4
45°	18.1	18.0	17.9	18.0	17.9	18.0	18.1	17.8	18.9	18.7	16.2
42.5°	24.1	24.8	25.3	25.5	25.3	24.8	24.1	23.2	25.8	29.6	32.2
40°	38.1	38.7	38.3	37.5	38.3	38.7	38.1	36.3	34.6	32.6	35.0
37.5°	51.8	52.9	53.6	54.0	53.6	52.9	51.8	51.2	50.8	47.6	48.7
35°	72.7	73.5	73.1	75.0	73.1	73.5	72.7	71.9	70.8	67.5	74.7
32.5°	118.5	119.1	115.4	116.9	115.4	119.1	118.5	113.0	104.7	101.7	107.9
30°	181.5	189.8	194.8	200.9	194.8	189.8	181.5	172.0	158.4	145.6	141.2
27.5°	276.2	296.6	310.0	317.8	310.0	296.6	276.2	252.9	221.0	204.9	175.0
25°	431.4	462.4	479.0	491.7	479.0	462.4	431.4	385.9	336.0	300.4	263.9
22.5°	837.8	956.3	1022.6	1085.3	1022.6	956.3	837.8	656.2	524.6	446.1	397.0
20°	2148.4	2286.8	2547.5	2708.8	2547.5	2286.8	2148.4	1501.4	1096.7	740.8	600.9
17.5°	7237.2	9226.8	9598.2	9878.8	9598.2	9226.8	7237.2	4757.5	3567.3	1751.6	1161.2
15°	21552.4	27457.3	29046.6	30399.3	29046.6	27457.3	21552.4	13240.0	9235.2	5360.1	2752.1
12.5°	52036.9	68288.9	77128.5	83844.3	77128.5	68288.9	52036.9	37847.6	20693.2	14005.9	7865.1
10°	109024.9	140842.7	164992.4	178978.1	164992.4	140842.7	109024.9	75985.1	48648.1	26493.2	13821.4
7.5°	185665.0	239593.5	271117.8	287164.1	271117.8	239593.5	185665.0	126867.1	77617.0	44043.9	23162.4
5°	280035.0	349651.1	393646.9	417838.9	393646.9	349651.1	280035.0	189390.2	113123.0	63772.4	32187.1
2.5°	349790.4	439101.2	505049.4	536070.1	505049.4	439101.2	349790.4	246626.2	145528.8	80857.8	37934.4
0°	375047.7	468748.3	544137.3	589300.8	544137.3	468748.3	375047.7	262103.7	158989.7	89489.0	41598.8
-2.5°	350936.5	438901.0	497618.7	524942.6	497618.7	438901.0	350936.5	244403.3	145654.5	82193.8	38682.9
-5°	298421.5	374473.3	416669.1	434530.9	416669.1	374473.3	298421.5	207097.8	124600.3	72975.4	35198.7
-7.5°	211724.8	269737.5	299394.6	316988.5	299394.6	269737.5	211724.8	147117.5	92190.7	53117.7	26654.8
-10°	133301.2	165913.6	194282.5	207115.3	194282.5	165913.6	133301.2	93533.2	62231.3	35094.1	17459.4
-12.5°	77414.4	98061.7	114660.7	121711.9	114660.7	98061.7	77414.4	57243.7	35301.6	22447.9	11900.1
-15°	42781.4	54064.6	61706.8	64696.2	61706.8	54064.6	42781.4	30374.7	20922.2	12291.4	5715.8
-17.5°	23789.7	29264.9	31437.1	34920.5	31437.1	29264.9	23789.7	16735.1	10841.2	5462.3	3222.3
-20°	11654.8	14493.8	15404.1	17861.2	15404.1	14493.8	11654.8	7463.0	4923.9	2862.3	2312.1



REPORT NUMBER: P731620 (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°	4527.2	5197.2	5346.6	6511.9	5346.6	5197.2	4527.2	3334.4	2457.0	2176.0	1993.4
-25°	2351.1	2464.0	2516.5	2653.3	2516.5	2464.0	2351.1	2181.5	2003.9	1915.8	1854.3
-27.5°	1976.3	2031.1	2074.8	2140.6	2074.8	2031.1	1976.3	1915.5	1840.4	1891.9	1944.3
-30°	1926.2	1916.6	1917.9	1924.8	1917.9	1916.6	1926.2	1948.7	1978.0	2067.3	2195.7
-32.5°	2143.1	2109.9	2093.3	2031.2	2093.3	2109.9	2143.1	2195.0	2260.2	2323.0	2378.0
-35°	2435.6	2432.8	2435.0	2406.0	2435.0	2432.8	2435.6	2446.1	2463.6	2486.7	2493.8
-37.5°	2596.4	2601.1	2606.8	2597.9	2606.8	2601.1	2596.4	2595.6	2593.9	2599.7	2525.7
-40°	2679.2	2692.8	2702.3	2699.8	2702.3	2692.8	2679.2	2664.6	2622.7	2567.5	2432.2
-42.5°	2659.3	2692.8	2709.3	2714.8	2709.3	2692.8	2659.3	2605.3	2497.2	2361.0	2169.9
-45°	2435.7	2572.2	2654.5	2677.3	2654.5	2572.2	2435.7	2260.0	2068.1	1884.2	1700.4
-47.5°	1744.8	1946.8	2136.2	2302.5	2136.2	1946.8	1744.8	1525.2	1330.2	1145.5	942.0
-50°	886.5	909.3	956.0	1023.9	956.0	909.3	886.5	861.8	842.0	827.4	804.2
-52.5°	804.0	817.2	830.2	842.5	830.2	817.2	804.0	789.5	774.8	761.9	746.4
-55°	757.6	765.6	771.7	776.5	771.7	765.6	757.6	749.0	740.1	734.4	729.7
-57.5°	733.3	746.8	758.3	767.5	758.3	746.8	733.3	717.1	698.2	683.5	668.2
-60°	641.8	656.6	670.4	682.1	670.4	656.6	641.8	624.6	605.1	590.7	576.2
-62.5°	538.4	551.4	565.0	577.1	565.0	551.4	538.4	522.9	504.8	489.8	474.9
-65°	440.0	452.6	463.9	473.7	463.9	452.6	440.0	425.6	409.4	394.7	379.7
-67.5°	364.7	379.0	393.2	406.2	393.2	379.0	364.7	349.0	332.2	315.4	298.7
-70°	279.8	291.5	301.7	310.3	301.7	291.5	279.8	266.7	252.3	237.3	222.4
-72.5°	194.0	205.1	217.7	229.4	217.7	205.1	194.0	181.8	168.4	154.9	143.4
-75°	104.6	112.6	120.2	127.4	120.2	112.6	104.6	96.2	87.5	79.6	76.0
-77.5°	70.3	77.3	82.2	86.9	82.2	77.3	70.3	63.3	56.3	49.9	47.0
-80°	51.8	56.6	60.6	64.5	60.6	56.6	51.8	46.9	41.9	37.2	35.5
-82.5°	38.0	41.8	45.0	48.0	45.0	41.8	38.0	34.0	30.1	26.2	24.8
-85°	30.6	34.4	37.5	40.5	37.5	34.4	30.6	26.8	23.0	19.2	17.9
-87.5°	27.6	31.6	33.8	36.0	33.8	31.6	27.6	23.6	19.5	15.4	14.3
-90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18.7	14.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
87.5°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5
85°	2.9	2.9	3.0	3.4	3.8	4.1	4.5	4.7	4.9	5.0	5.1
82.5°	3.6	3.9	4.1	4.1	4.2	4.3	4.5	4.9	5.3	5.7	6.0
80°	3.8	4.2	4.5	4.7	4.9	4.9	5.0	5.2	5.4	5.7	6.1
77.5°	4.3	4.4	4.6	5.2	5.6	6.0	6.2	6.4	6.6	6.7	6.8
75°	6.0	6.0	6.1	6.7	7.1	7.3	7.4	7.2	7.2	7.4	7.5
72.5°	9.9	9.9	10.2	11.1	11.5	12.1	11.9	10.9	9.8	8.4	7.5
70°	13.6	14.2	15.7	18.0	19.4	20.1	19.9	18.4	15.8	13.7	11.7
67.5°	15.3	16.5	18.9	22.2	24.6	26.7	28.7	29.7	28.5	25.7	19.0
65°	15.2	17.2	19.0	20.8	23.5	27.6	34.8	38.5	39.4	37.9	29.6
62.5°	12.6	14.6	15.8	17.3	19.3	23.6	33.2	41.2	47.1	47.0	37.4
60°	9.6	10.6	12.0	13.5	15.1	19.7	28.5	39.0	51.0	48.3	41.3
57.5°	8.9	9.5	10.5	11.3	11.9	15.5	22.3	31.6	42.8	42.9	40.1
55°	10.2	10.7	11.2	11.6	12.1	13.6	16.3	22.0	30.4	32.7	32.2
52.5°	10.4	11.3	12.1	13.0	13.2	13.3	14.1	17.1	19.7	23.1	24.6
50°	11.9	12.1	12.5	13.3	13.7	13.6	13.7	14.6	16.3	17.8	18.8
47.5°	13.5	13.6	13.4	13.6	14.3	14.3	14.1	14.1	15.4	16.0	16.8
45°	16.4	16.3	15.9	16.3	16.0	15.9	15.4	16.0	16.0	16.5	16.5
42.5°	29.6	23.7	19.8	21.7	22.2	20.7	18.7	19.2	18.8	18.1	19.3
40°	40.7	46.2	40.1	32.2	30.2	29.2	26.7	23.9	23.0	21.4	23.9
37.5°	48.3	47.1	57.8	62.2	50.1	40.6	37.3	32.2	28.6	29.6	31.3
35°	73.9	71.3	72.4	77.8	81.4	70.0	54.6	44.3	38.6	39.8	40.4
32.5°	112.8	105.5	104.9	102.3	107.1	106.2	87.4	65.7	56.6	53.6	51.2
30°	143.5	136.0	127.1	142.9	151.6	144.8	126.2	111.7	91.8	70.5	63.9
27.5°	180.4	175.1	161.3	192.8	210.1	198.9	186.9	173.3	137.9	104.0	83.6
25°	251.1	234.1	245.4	267.1	281.7	272.9	259.3	240.4	203.4	153.7	125.7
22.5°	353.6	347.0	347.1	347.2	385.1	374.6	338.0	310.7	303.4	280.8	210.2
20°	547.7	506.4	473.0	522.5	561.0	502.7	429.9	462.8	519.6	466.5	325.4
17.5°	970.3	821.9	744.0	815.1	811.5	704.3	755.4	777.8	777.5	697.6	463.9
15°	1694.9	1391.4	1238.6	1168.4	1164.9	1231.6	1285.4	1146.5	1074.2	947.6	690.2
12.5°	3514.7	2082.5	1774.9	1621.6	1647.6	1745.8	1826.5	1631.8	1420.9	1310.4	1071.0
10°	6276.0	3347.1	2443.6	2187.5	2119.9	2210.5	2253.5	2059.6	1818.7	1710.5	1477.3
7.5°	11946.5	5506.7	3127.9	2710.5	2512.0	2487.6	2504.0	2389.3	2193.0	2096.6	1897.0
5°	16861.1	7004.5	3650.4	3116.2	2843.2	2769.2	2755.5	2659.1	2548.4	2470.6	2315.2
2.5°	18030.8	7238.6	4101.4	3490.0	3146.2	3046.7	3034.2	2880.4	2786.0	2669.3	2498.8
0°	20808.4	8442.7	4257.3	3626.2	3312.9	3282.9	3354.9	3083.6	2969.6	2830.2	2650.3
-2.5°	18587.9	7481.7	4104.5	3551.3	3286.7	3314.8	3468.8	3265.4	3094.6	2885.4	2616.0
-5°	15629.5	6560.5	3838.6	3313.4	3097.0	3181.2	3391.5	3293.9	3119.4	2896.6	2533.9
-7.5°	11972.0	5405.9	3495.1	3036.6	2873.7	2997.7	3199.4	3141.8	2956.5	2765.7	2366.1
-10°	7453.1	4023.9	3021.9	2704.3	2652.1	2841.2	3034.5	2967.4	2795.4	2631.5	2171.0
-12.5°	5201.8	3008.9	2538.6	2360.7	2446.7	2729.8	2891.8	2778.6	2641.2	2498.4	1956.4
-15°	3079.1	2485.1	2256.0	2192.6	2328.7	2611.4	2744.1	2634.9	2528.7	2368.4	1729.3
-17.5°	2408.0	2124.3	2032.2	2118.2	2319.2	2489.2	2580.3	2520.6	2396.3	2152.0	1456.4
-20°	2062.8	1964.4	2006.9	2117.4	2293.9	2418.7	2469.3	2395.1	2236.4	1814.4	1178.5



REPORT NUMBER: P731620 (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°	1916.1	2002.4	2093.8	2174.6	2225.1	2309.3	2330.3	2247.1	2055.6	1457.8	907.9
-25°	1971.6	2135.4	2263.0	2276.0	2209.4	2203.9	2198.8	2080.7	1696.7	1128.6	680.7
-27.5°	2120.1	2313.0	2420.9	2362.8	2237.7	2125.6	2053.4	1875.6	1328.6	869.7	640.2
-30°	2314.2	2413.6	2445.8	2345.6	2192.7	2072.6	1925.5	1472.9	1024.3	671.7	610.2
-32.5°	2423.5	2434.8	2387.1	2237.5	2114.6	2003.5	1595.7	1104.7	740.7	639.8	594.4
-35°	2486.1	2375.0	2233.8	2136.0	2065.3	1692.8	1240.2	824.1	660.6	612.4	582.1
-37.5°	2395.7	2225.5	2131.5	2014.1	1699.1	1306.7	875.8	695.2	632.9	598.6	578.2
-40°	2262.0	2126.3	1874.7	1604.8	1240.7	846.0	727.3	669.3	625.7	591.1	578.8
-42.5°	1953.9	1719.8	1415.3	1067.9	794.8	747.6	701.6	657.6	623.9	600.1	552.5
-45°	1419.1	1116.7	844.7	795.8	750.4	714.7	683.5	657.2	634.6	579.3	517.8
-47.5°	873.4	822.9	778.8	747.7	715.8	690.5	682.8	666.8	603.6	542.4	480.5
-50°	779.5	755.7	731.5	711.6	701.9	693.3	662.4	618.4	557.1	495.9	436.9
-52.5°	730.4	723.5	716.2	708.6	679.5	642.1	602.2	555.2	500.7	442.1	385.2
-55°	726.2	705.0	676.5	646.4	612.9	571.7	529.5	484.9	435.5	381.5	332.2
-57.5°	651.7	629.6	598.9	565.9	530.8	491.8	450.7	408.5	367.8	322.4	278.5
-60°	559.5	539.1	508.1	475.5	441.5	406.0	369.7	334.0	299.3	265.9	230.5
-62.5°	457.0	435.8	409.2	380.9	350.3	318.1	290.3	266.0	240.6	212.3	180.0
-65°	361.0	338.1	313.5	292.6	270.3	246.4	225.7	204.0	180.9	156.0	128.3
-67.5°	280.7	261.6	242.8	223.3	202.6	180.3	161.1	141.4	124.2	107.0	87.3
-70°	206.7	190.3	173.3	155.0	137.3	121.2	107.6	94.0	79.0	67.0	56.9
-72.5°	131.8	120.1	108.2	95.9	84.1	75.1	66.7	58.3	50.0	42.0	36.1
-75°	71.8	66.8	61.0	54.8	48.3	41.5	38.1	36.4	34.5	32.5	30.1
-77.5°	44.2	41.5	39.0	37.2	35.4	33.7	32.0	30.2	28.5	26.9	25.5
-80°	33.7	31.8	29.9	28.6	27.3	26.0	24.9	23.9	22.9	22.1	21.4
-82.5°	23.3	21.8	20.4	19.9	19.5	19.0	18.4	18.1	17.8	17.5	17.2
-85°	16.7	15.4	14.2	14.0	13.8	13.6	13.4	13.5	13.7	13.8	13.9
-87.5°	13.1	11.8	10.5	10.5	10.5	10.5	10.5	10.8	11.1	11.3	11.6
-90°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5



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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°	10.1	9.8	9.4	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
87.5°	4.9	5.3	5.6	6.0	6.4	6.8	7.1	7.5	7.5	7.5	7.5
85°	5.3	5.5	5.7	6.0	6.4	6.8	7.1	7.5	7.5	7.5	7.5
82.5°	6.0	5.9	5.9	6.0	6.4	6.8	7.2	7.5	7.5	7.5	7.5
80°	6.3	6.5	6.5	6.5	6.6	6.8	7.2	7.5	7.5	7.5	7.5
77.5°	6.8	7.0	7.2	7.3	7.2	7.2	7.3	7.5	7.5	7.5	7.5
75°	7.5	7.4	7.4	7.6	7.6	7.5	7.4	7.6	7.6	7.5	7.5
72.5°	7.5	7.5	7.5	7.7	7.9	7.9	7.7	7.6	7.8	7.8	7.6
70°	9.6	7.9	7.5	7.7	8.1	8.4	8.4	8.2	8.1	8.1	8.0
67.5°	13.5	11.2	9.3	8.1	8.2	8.5	8.9	8.8	8.7	8.5	8.3
65°	21.8	15.8	11.8	10.2	9.0	8.6	9.0	9.3	9.2	9.0	8.7
62.5°	28.8	21.1	15.8	12.5	10.4	9.4	9.1	9.6	9.8	9.5	9.2
60°	34.6	25.8	19.9	16.1	12.6	10.3	9.7	9.8	10.1	10.0	9.6
57.5°	33.7	28.9	24.6	19.8	15.6	12.1	10.5	10.4	10.5	10.5	10.1
55°	30.0	26.7	27.6	24.1	18.9	14.6	11.9	11.1	11.0	10.9	10.7
52.5°	23.5	25.2	28.0	27.3	22.8	17.3	14.2	11.9	11.6	11.4	11.3
50°	18.7	22.6	27.6	29.2	26.3	20.9	16.5	13.7	12.3	11.9	12.0
47.5°	18.1	21.6	25.3	30.6	29.3	24.1	19.0	15.5	12.9	12.5	12.8
45°	19.7	22.4	24.6	28.6	31.9	26.4	21.5	17.3	14.4	13.4	13.6
42.5°	22.3	24.6	26.2	26.8	30.5	28.2	23.6	19.1	15.9	14.5	14.5
40°	26.2	27.9	28.8	29.3	29.3	29.5	24.9	20.7	17.3	15.8	15.5
37.5°	31.0	32.1	32.4	33.5	30.2	29.3	25.8	22.0	19.2	17.5	16.5
35°	39.2	37.3	38.6	39.1	35.2	30.0	26.3	22.9	21.4	19.2	17.6
32.5°	48.9	46.4	47.2	45.7	41.6	31.6	27.1	25.3	23.8	20.8	18.8
30°	62.1	63.3	57.9	53.3	48.7	37.4	30.0	28.2	26.3	22.4	20.0
27.5°	86.9	84.1	71.6	63.3	55.9	45.0	35.7	31.3	28.9	24.2	21.4
25°	118.5	109.1	91.8	75.1	63.6	67.6	42.3	34.9	31.7	26.4	22.7
22.5°	160.5	138.0	114.7	88.1	97.0	97.6	55.1	40.2	34.5	28.6	24.1
20°	208.5	170.3	149.0	139.9	137.0	127.5	77.2	46.0	37.5	30.9	25.3
17.5°	270.4	238.0	231.6	203.8	181.1	160.3	103.1	52.0	40.6	33.2	26.6
15°	456.4	348.7	319.8	274.0	227.9	195.4	132.1	58.3	43.7	35.5	27.1
12.5°	698.2	462.9	412.2	349.0	276.8	232.2	163.1	64.7	46.9	36.5	26.7
10°	970.0	579.5	507.6	427.2	327.0	270.0	195.1	70.8	48.3	36.4	26.3
7.5°	1259.4	696.9	604.5	506.9	376.1	305.4	226.9	76.3	49.6	36.2	25.8
5°	1522.0	793.1	681.2	567.3	414.9	336.7	257.6	81.8	50.7	35.8	25.3
2.5°	1636.1	853.7	742.7	621.7	452.1	366.4	285.8	86.9	51.7	35.2	24.7
0°	1719.4	909.9	800.5	671.6	487.2	394.3	310.3	91.4	52.5	34.5	24.0
-2.5°	1639.9	900.9	787.6	669.5	498.7	400.1	311.5	105.7	62.8	40.7	26.5
-5°	1535.2	887.4	771.6	663.1	507.2	403.5	308.5	118.9	72.7	46.5	28.9
-7.5°	1443.7	853.2	748.0	651.4	512.2	404.4	302.4	131.0	81.7	51.8	31.1
-10°	1327.4	806.2	713.9	624.3	504.8	402.1	294.3	141.6	89.8	56.5	33.0
-12.5°	1175.1	757.9	679.4	597.6	493.9	397.4	287.4	151.7	97.0	60.3	34.5
-15°	985.1	709.2	645.1	572.7	481.7	391.2	279.2	160.5	104.5	64.2	35.5
-17.5°	760.1	660.9	611.9	550.8	468.5	383.7	270.4	167.4	110.7	68.4	37.2
-20°	693.3	626.8	580.6	533.2	454.6	375.1	261.7	172.1	115.5	71.4	39.1



REPORT NUMBER: P731620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	658.0	604.9	563.9	515.1	441.0	365.6	253.5	174.7	118.9	73.1	40.2
-25°	621.8	584.2	551.6	497.7	427.7	350.8	250.5	175.0	120.8	73.5	40.3
-27.5°	595.4	566.5	541.9	479.2	412.1	338.5	249.7	176.4	121.1	72.4	39.5
-30°	574.7	556.6	523.0	459.9	394.8	320.9	245.8	176.0	119.7	71.0	37.6
-32.5°	564.6	550.7	500.7	439.3	374.2	302.1	234.4	173.4	116.3	68.9	36.5
-35°	564.5	533.4	477.7	417.1	351.9	284.4	220.2	168.8	110.9	65.1	35.3
-37.5°	562.7	508.4	452.0	392.8	328.9	265.5	206.8	156.1	103.3	59.9	33.4
-40°	533.5	480.0	424.2	367.0	306.3	245.2	191.2	141.3	95.4	53.0	30.8
-42.5°	501.7	447.8	393.2	339.7	282.9	225.6	173.4	125.1	83.7	47.9	27.6
-45°	465.0	412.4	359.0	309.0	258.2	203.5	153.8	107.9	70.7	43.3	25.0
-47.5°	424.9	372.3	322.7	276.1	230.4	179.3	132.6	92.2	56.8	37.8	24.1
-50°	378.3	329.9	284.4	241.7	198.5	154.0	110.8	75.3	48.9	30.9	23.1
-52.5°	332.2	285.8	245.9	206.6	166.8	126.9	90.8	58.4	40.5	27.4	21.8
-55°	284.3	243.3	207.8	171.0	134.3	101.9	69.7	48.4	31.7	25.4	20.5
-57.5°	240.2	202.9	168.6	134.5	104.6	76.6	54.2	37.9	27.9	23.4	19.7
-60°	195.6	160.6	128.0	101.9	76.6	56.5	41.9	29.7	25.5	21.5	18.6
-62.5°	148.1	118.1	94.0	71.4	55.2	42.4	30.9	27.0	23.1	20.2	17.6
-65°	105.7	83.2	61.9	51.2	39.9	31.0	27.8	24.2	21.4	18.9	16.5
-67.5°	67.5	56.0	44.9	34.9	30.4	27.6	24.6	22.2	19.9	17.6	15.8
-70°	46.8	37.0	31.9	29.2	26.7	24.2	22.5	20.6	18.4	16.7	15.0
-72.5°	33.1	30.3	27.5	25.2	23.7	22.1	20.6	19.0	17.4	15.8	14.2
-75°	27.7	25.8	24.2	22.7	21.4	20.0	18.9	17.8	16.4	14.9	13.4
-77.5°	24.0	22.7	21.4	20.3	19.2	18.3	17.5	16.6	15.2	13.8	12.5
-80°	20.4	19.4	18.6	17.8	17.1	16.5	15.8	15.0	13.7	12.6	11.5
-82.5°	16.6	16.2	15.7	15.2	14.7	14.2	13.7	13.2	12.2	11.3	10.7
-85°	13.6	13.3	13.0	12.7	12.3	12.0	11.8	11.5	11.0	10.5	10.1
-87.5°	11.4	11.2	11.0	10.7	10.6	10.5	10.4	10.3	10.0	9.8	9.6
-90°	4.9	5.3	5.6	6.0	6.4	6.8	7.1	7.5	7.5	7.5	7.5



REPORT NUMBER: P731620 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.0	8.6	8.3	7.9	7.5	7.5	7.5
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	7.5	7.6	7.5	7.5	7.5	7.5	7.5
75°	7.6	7.7	7.5	7.5	7.5	7.5	7.5
72.5°	7.7	8.0	7.8	7.5	7.5	7.5	7.5
70°	7.8	8.2	8.1	7.6	7.5	7.5	7.5
67.5°	8.2	8.4	8.4	7.9	7.5	7.5	7.5
65°	8.7	8.7	8.7	8.2	7.5	7.5	7.5
62.5°	9.1	9.1	9.0	8.5	7.5	7.5	7.5
60°	9.5	9.5	9.4	8.8	7.5	7.5	7.5
57.5°	10.0	9.8	9.7	9.1	7.7	7.5	7.5
55°	10.6	10.2	10.0	9.4	7.9	7.5	7.5
52.5°	11.1	10.6	10.3	9.7	8.1	7.5	7.5
50°	11.7	11.1	10.5	10.1	8.3	7.5	7.5
47.5°	12.3	11.6	10.8	10.4	8.4	7.5	7.5
45°	13.0	12.1	11.1	10.6	8.6	7.5	7.5
42.5°	13.8	12.6	11.4	10.8	8.7	7.5	7.5
40°	14.6	13.1	11.7	10.9	8.8	7.5	7.5
37.5°	15.5	13.7	12.1	10.9	8.9	7.5	7.5
35°	16.3	14.3	12.5	11.0	9.0	7.5	7.5
32.5°	17.3	15.0	13.0	11.0	9.1	7.5	7.5
30°	18.2	15.7	13.4	11.0	9.1	7.5	7.5
27.5°	19.2	16.4	13.5	11.0	9.2	7.5	7.5
25°	20.1	17.1	13.5	11.0	9.2	7.5	7.5
22.5°	21.1	17.6	13.5	11.0	9.3	7.5	7.5
20°	22.1	17.6	13.5	11.0	9.3	7.5	7.5
17.5°	22.3	17.5	13.4	11.0	9.3	7.5	7.5
15°	21.9	17.3	13.3	10.9	9.3	7.5	7.5
12.5°	21.4	17.0	13.1	10.9	9.2	7.5	7.5
10°	20.8	16.7	12.9	10.8	9.2	7.5	7.5
7.5°	20.2	16.3	12.7	10.8	9.2	7.5	7.5
5°	19.5	15.9	12.5	10.7	9.1	7.5	7.5
2.5°	18.8	15.5	12.3	10.6	9.1	7.5	7.5
0°	18.0	15.0	12.0	10.5	9.0	7.5	7.5
-2.5°	18.8	15.2	12.1	10.5	9.0	7.5	7.5
-5°	19.5	15.3	12.2	10.5	9.0	7.6	7.5
-7.5°	20.2	15.4	12.3	10.5	9.0	7.6	7.5
-10°	20.7	15.4	12.4	10.4	9.0	7.6	7.5
-12.5°	21.1	15.5	12.4	10.4	8.9	7.7	7.5
-15°	21.4	15.5	12.5	10.3	8.9	7.7	7.5
-17.5°	21.5	15.4	12.5	10.3	8.9	7.7	7.5
-20°	21.8	15.4	12.4	10.2	8.9	7.7	7.5



REPORT NUMBER: P731620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.4	15.3	12.3	10.2	8.9	7.8	7.5
-25°	22.7	15.4	12.2	10.1	8.8	7.8	7.5
-27.5°	22.5	15.6	12.1	10.0	8.8	7.8	7.5
-30°	21.9	15.6	11.9	9.9	8.8	7.8	7.5
-32.5°	20.9	15.6	11.9	9.8	8.8	7.8	7.5
-35°	20.5	15.5	11.8	9.7	8.8	7.9	7.5
-37.5°	20.3	15.4	11.7	9.6	8.8	7.9	7.5
-40°	20.0	15.2	11.6	9.4	8.7	7.9	7.5
-42.5°	19.6	15.0	11.5	9.4	8.7	7.9	7.5
-45°	19.0	14.7	11.4	9.3	8.7	7.9	7.5
-47.5°	18.3	14.4	11.4	9.3	8.7	7.9	7.5
-50°	17.8	14.0	11.3	9.3	8.7	7.9	7.5
-52.5°	17.2	13.6	11.2	9.4	8.8	7.9	7.5
-55°	16.6	13.3	11.0	9.4	8.8	7.9	7.5
-57.5°	16.0	13.1	10.8	9.4	8.8	7.8	7.5
-60°	15.3	12.8	10.6	9.4	8.8	7.8	7.5
-62.5°	14.8	12.5	10.6	9.4	8.7	7.8	7.5
-65°	14.3	12.1	10.4	9.4	8.6	7.8	7.5
-67.5°	13.8	11.8	10.3	9.4	8.6	7.8	7.5
-70°	13.2	11.4	10.1	9.3	8.5	7.7	7.5
-72.5°	12.6	11.1	10.0	9.2	8.4	7.7	7.5
-75°	12.0	10.7	9.7	9.0	8.2	7.7	7.5
-77.5°	11.3	10.2	9.5	8.8	8.1	7.7	7.5
-80°	10.6	9.9	9.3	8.6	8.0	7.6	7.5
-82.5°	10.1	9.6	9.0	8.5	7.9	7.6	7.5
-85°	9.8	9.3	8.8	8.3	7.8	7.6	7.5
-87.5°	9.4	8.9	8.5	8.1	7.6	7.5	7.5
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5

(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

