

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: P731406 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-2S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731406 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-70-2S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

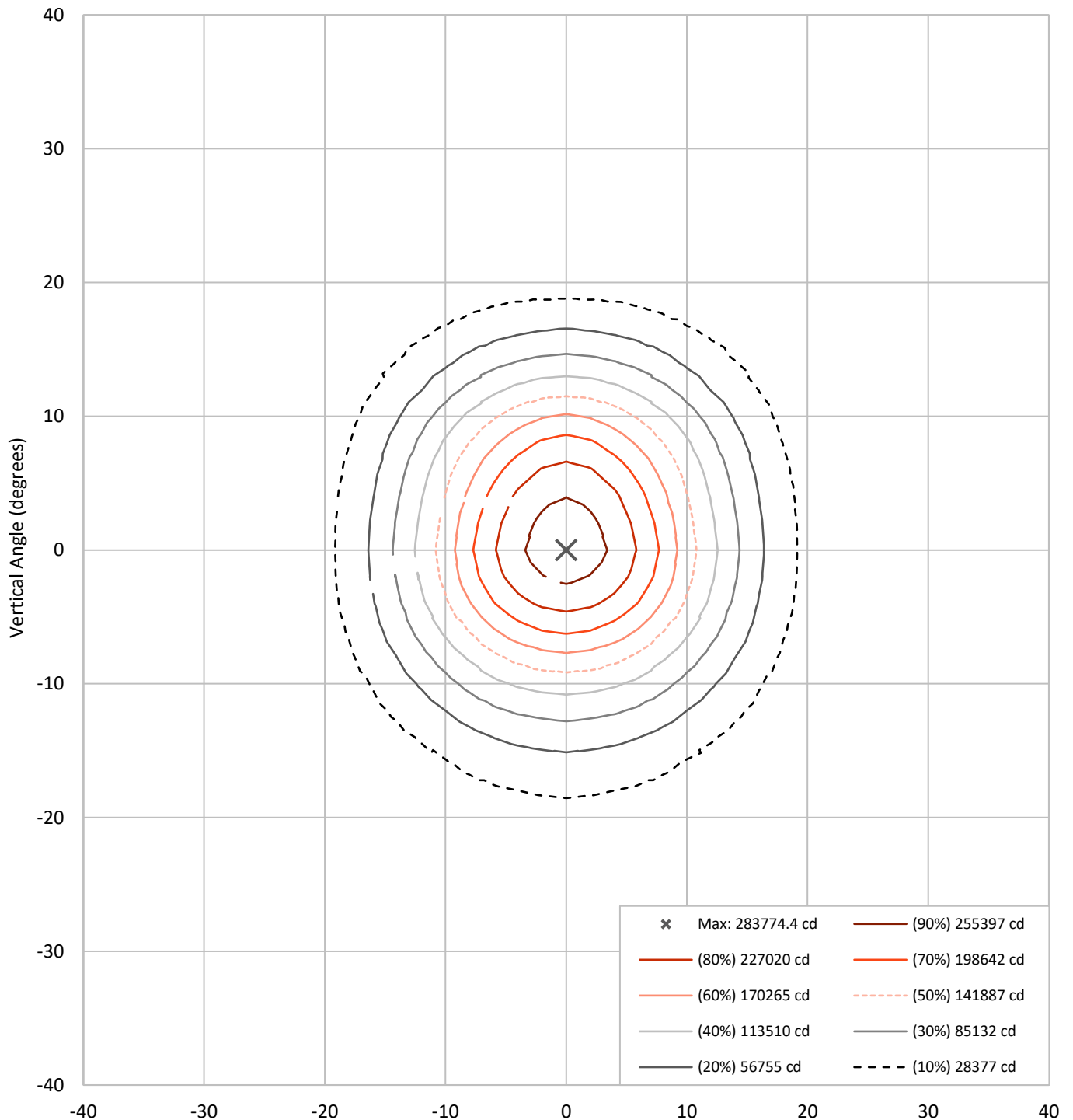
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	45886.6 lumens	Max Intensity:	283774.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	131.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	21307.7 lumens	Field Lumens:	38791.5 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

Input Watts (W): 348.5
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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CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV1

Iso-Candela Plot





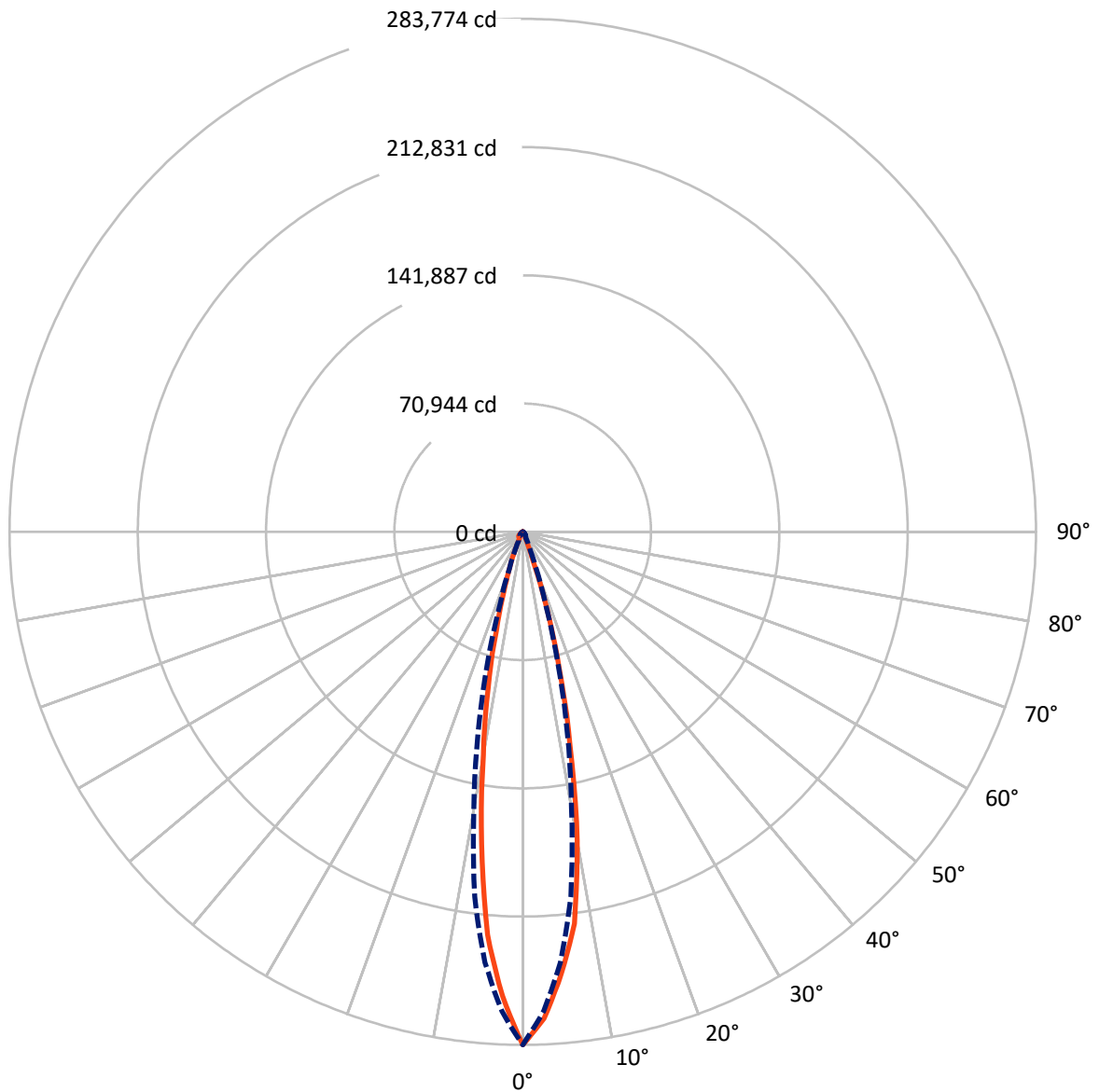
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Lumen Table

90	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1									
80	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1									
70	0.1	0.0	0.1	0.4	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.4	0.4	0.1	0.0	0.1			
60		0.1	0.2	0.4	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.3	0.4	0.6	1.1	0.7	0.7	1.1	0.6	0.4	0.3	0.3	0.1	0.1			
40		0.2	0.6	1.6	3.0	4.4	6.1	7.4	7.4	6.1	4.4	3.0	1.6	0.6	0.2				
30	0.2	0.3	2.9	9.3	22.0	33.3	57.7	109.3	109.3	57.7	33.3	22.0	9.3	2.9	0.3	0.2			
20		0.8	6.2	24.5	56.2	105.1	686.5	2127.4	2127.4	686.5	105.1	56.2	24.5	6.2	0.8				
10	0.2	1.3	8.0	32.9	66.8	210.6	2017.8	6047.4	6047.4	2017.8	210.6	66.8	32.9	8.0	1.3	0.2			
0		1.7	8.6	33.0	66.6	200.7	1897.8	5500.0	5500.0	1897.8	200.7	66.6	33.0	8.6	1.7				
-10	0.4	2.0	8.2	26.4	56.3	97.6	558.3	1616.5	1616.5	558.3	97.6	56.3	26.4	8.2	2.0	0.4			
-20		2.0	7.7	18.7	50.5	75.3	114.5	221.3	221.3	114.5	75.3	50.5	18.7	7.7	2.0				
-30	0.3	1.8	6.6	14.1	35.2	73.2	95.0	106.2	106.2	95.0	73.2	35.2	14.1	6.6	1.8	0.3			
-40		1.2	5.0	11.6	20.8	35.3	60.3	80.3	80.3	60.3	35.3	20.8	11.6	5.0	1.2				
-50	0.2	0.6	3.0	7.7	14.8	22.4	29.2	33.1	33.1	29.2	22.4	14.8	7.7	3.0	0.6	0.2			
-60		0.3	1.0	3.1	6.5	10.5	14.4	16.7	16.7	14.4	10.5	6.5	3.1	1.0	0.3				
-70	0.1	0.7	2.2	5.1	6.9	5.1	2.2	0.7	0.1							0.1			
-80		0.1	0.7	2.2	5.1	6.9	5.1	2.2	0.7	0.1									
-90	0.1	0.7	2.2	5.1	6.9	5.1	2.2	0.7	0.1										

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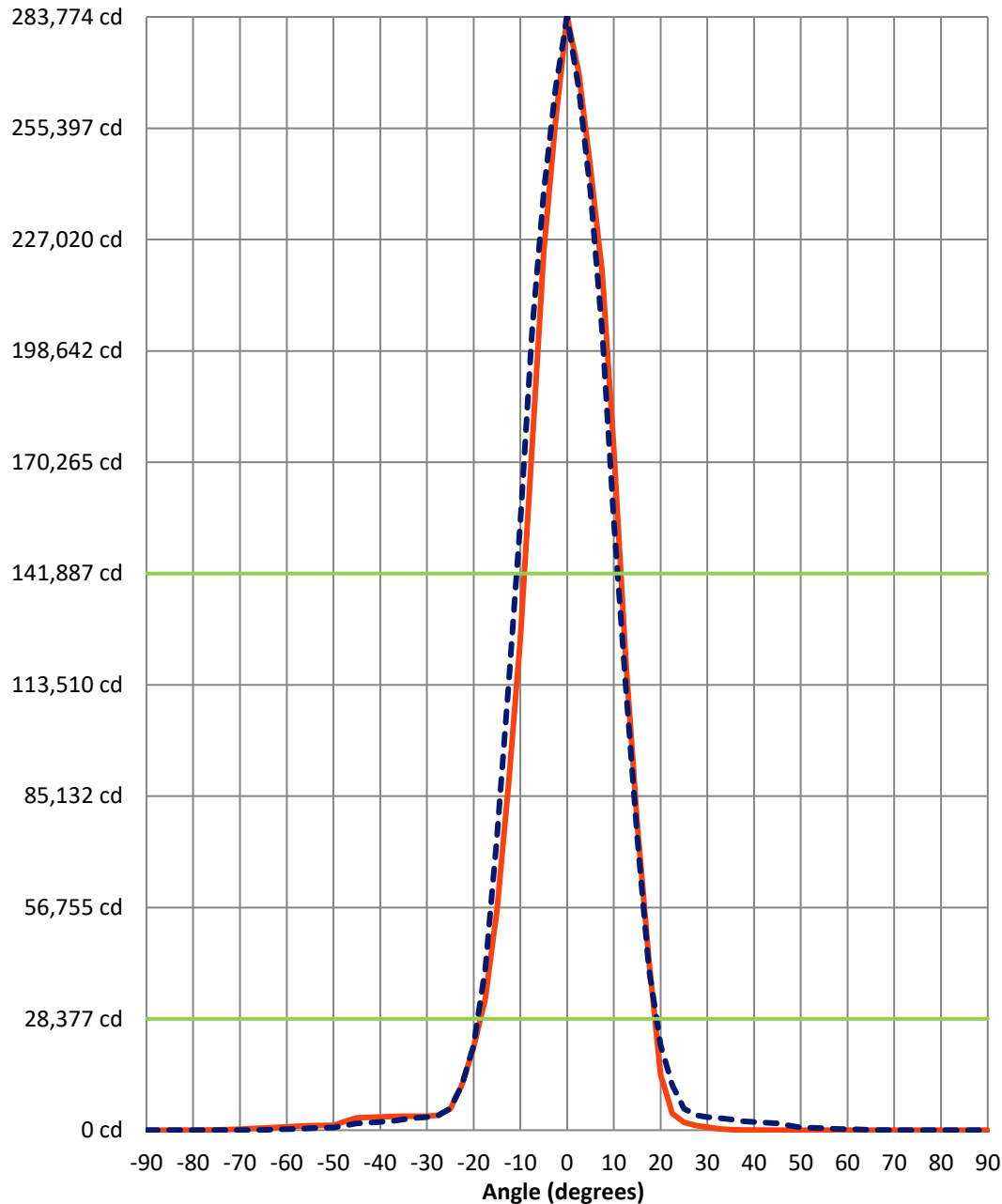
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.6°
 V Angle: 20.7°
 Lumens: 21307.7
 Efficiency: 46.4%

Field:
 H Angle: 38.3°
 V Angle: 37.3°
 Lumens: 38791.5
 Efficiency: 84.5%

Spill:
 Lumens: 7095.1
 Efficiency: 15.5%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.4	4.0	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.4	6.7
87.5°	3.4	3.4	3.4	3.1	2.9	2.7	2.5	2.5	2.4	2.3	2.2
85°	3.4	3.4	3.4	3.2	3.0	2.9	2.8	2.7	2.6	2.4	2.2
82.5°	3.4	3.5	3.4	3.2	3.1	3.1	3.1	3.0	2.8	2.6	2.5
80°	3.4	3.5	3.4	3.3	3.2	3.3	3.4	3.2	3.0	3.0	3.0
77.5°	3.4	3.5	3.4	3.3	3.3	3.4	3.4	3.3	3.2	3.3	3.4
75°	3.4	3.5	3.4	3.3	3.4	3.5	3.4	3.4	3.4	3.4	3.4
72.5°	3.4	3.6	3.4	3.4	3.5	3.6	3.5	3.4	3.4	3.4	3.4
70°	3.4	3.6	3.4	3.4	3.6	3.6	3.5	3.4	3.4	3.4	3.4
67.5°	3.4	3.6	3.5	3.5	3.7	3.7	3.5	3.4	3.4	3.6	3.5
65°	3.4	3.7	3.5	3.6	3.8	3.8	3.5	3.4	3.6	3.8	3.6
62.5°	3.4	3.7	3.5	3.8	4.0	3.8	3.6	3.6	3.9	3.9	3.7
60°	3.4	3.7	3.5	3.9	4.1	3.9	3.6	3.9	4.2	4.0	3.7
57.5°	3.4	3.7	3.6	4.0	4.1	3.9	3.9	4.2	4.3	4.0	4.1
55°	3.4	3.8	3.7	4.1	4.1	3.9	4.1	4.5	4.3	4.2	4.5
52.5°	3.4	3.8	3.8	4.2	4.2	4.0	4.4	4.6	4.4	4.6	5.0
50°	3.4	3.8	3.9	4.3	4.2	4.2	4.7	4.7	4.5	5.0	6.1
47.5°	3.4	3.9	4.0	4.4	4.2	4.4	4.9	4.7	4.9	5.4	7.2
45°	3.4	3.9	4.0	4.5	4.3	4.6	5.0	4.8	5.3	6.2	8.1
42.5°	3.4	3.9	4.1	4.5	4.3	4.9	5.0	5.0	5.7	6.9	9.4
40°	3.4	4.0	4.2	4.5	4.4	5.1	5.1	5.4	6.2	7.5	10.6
37.5°	3.4	4.0	4.2	4.5	4.6	5.3	5.1	5.8	6.9	8.4	11.8
35°	3.4	4.0	4.3	4.6	4.7	5.4	5.2	6.2	7.5	9.8	12.7
32.5°	3.4	4.1	4.3	4.6	4.9	5.4	5.3	6.6	8.1	11.1	14.1
30°	3.4	4.1	4.4	4.7	5.0	5.5	5.7	7.1	8.7	12.5	15.6
27.5°	3.4	4.2	4.4	4.7	5.1	5.5	6.0	7.6	9.5	13.9	17.1
25°	3.4	4.2	4.4	4.8	5.2	5.6	6.3	8.0	10.6	15.3	18.8
22.5°	3.4	4.2	4.4	4.9	5.3	5.6	6.7	8.5	11.7	16.6	21.9
20°	3.4	4.3	4.5	4.9	5.4	5.7	7.0	8.9	12.8	18.0	25.4
17.5°	3.4	4.3	4.5	5.0	5.5	5.8	7.3	9.3	13.8	19.3	29.1
15°	3.4	4.3	4.5	5.1	5.5	5.9	7.6	9.6	14.8	20.7	33.1
12.5°	3.4	4.4	4.5	5.2	5.6	6.0	7.9	10.0	15.7	22.0	37.2
10°	3.4	4.4	4.5	5.3	5.6	6.2	8.2	10.3	16.3	23.7	41.4
7.5°	3.4	4.4	4.5	5.4	5.6	6.3	8.4	10.5	16.9	25.4	45.6
5°	3.4	4.4	4.5	5.4	5.6	6.4	8.7	10.8	17.4	27.2	49.5
2.5°	3.4	4.5	4.5	5.5	5.6	6.6	8.8	11.0	17.7	28.8	53.1
0°	3.4	4.5	4.5	5.6	5.6	6.7	9.0	11.2	18.0	30.3	56.2
-2.5°	3.4	4.5	4.5	5.7	5.8	7.1	9.9	13.8	23.4	39.9	70.1
-5°	3.4	4.5	4.6	5.7	6.0	7.4	10.7	16.4	28.6	49.1	83.1
-7.5°	3.4	4.6	4.6	5.8	6.2	7.8	11.5	18.7	33.5	57.7	95.3
-10°	3.4	4.6	4.7	5.8	6.4	8.1	12.2	20.8	37.8	65.4	106.2
-12.5°	3.4	4.6	4.7	5.9	6.6	8.4	12.8	22.7	41.6	72.0	115.5
-15°	3.4	4.6	4.8	5.9	6.7	8.6	13.3	24.1	45.2	77.7	123.0
-17.5°	3.4	4.6	4.8	5.9	6.9	8.8	13.7	25.8	48.9	82.4	128.7
-20°	3.4	4.6	4.9	6.0	7.0	9.0	14.1	27.4	51.6	86.1	132.4



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.4	4.6	4.9	6.0	7.1	9.2	14.6	28.4	53.3	88.7	134.0
-25°	3.4	4.6	5.0	6.0	7.2	9.3	14.9	28.6	54.0	90.2	133.3
-27.5°	3.4	4.6	5.0	6.0	7.2	9.4	14.7	28.1	53.6	90.7	134.3
-30°	3.4	4.6	5.1	6.0	7.3	9.5	14.3	26.8	52.7	90.0	134.0
-32.5°	3.4	4.6	5.1	6.0	7.3	9.5	13.4	26.0	51.2	87.8	132.2
-35°	3.4	4.6	5.1	6.0	7.4	9.4	13.1	25.0	48.5	83.9	128.8
-37.5°	3.4	4.6	5.2	5.9	7.4	9.3	13.0	23.5	44.6	78.4	120.9
-40°	3.4	4.6	5.2	5.9	7.4	9.4	12.8	21.3	39.4	72.4	111.1
-42.5°	3.4	4.6	5.2	5.9	7.4	9.4	12.4	18.6	35.3	64.2	99.6
-45°	3.4	4.6	5.3	5.8	7.4	9.3	12.0	16.5	31.5	54.7	87.0
-47.5°	3.4	4.5	5.3	5.8	7.4	9.2	11.5	15.8	26.9	44.3	75.1
-50°	3.4	4.5	5.3	5.8	7.3	9.1	11.3	15.0	21.3	37.9	62.0
-52.5°	3.4	4.5	5.4	5.9	7.2	9.0	11.1	14.1	18.7	31.0	48.4
-55°	3.4	4.5	5.4	5.9	7.1	8.8	10.9	13.1	17.3	23.4	39.7
-57.5°	3.4	4.5	5.4	5.9	7.0	8.7	10.6	12.8	15.9	20.3	30.3
-60°	3.4	4.4	5.5	5.9	6.8	8.4	10.3	12.4	14.5	18.4	22.9
-62.5°	3.4	4.4	5.4	5.9	6.8	8.2	10.0	11.9	13.8	16.3	20.5
-65°	3.4	4.4	5.3	5.9	6.7	7.9	9.6	11.3	13.2	15.2	17.9
-67.5°	3.4	4.3	5.3	5.9	6.6	7.7	9.2	10.8	12.4	14.3	16.3
-70°	3.4	4.3	5.2	5.8	6.5	7.4	8.8	10.2	11.7	13.4	15.2
-72.5°	3.4	4.3	5.1	5.7	6.3	7.1	8.3	9.6	10.9	12.4	14.0
-75°	3.4	4.2	5.0	5.6	6.1	6.8	7.8	8.9	10.0	11.3	12.7
-77.5°	3.4	4.2	4.9	5.5	6.0	6.5	7.3	8.3	9.3	10.3	11.4
-80°	3.4	4.1	4.9	5.3	5.8	6.3	6.7	7.7	8.6	9.5	10.4
-82.5°	3.4	4.1	4.8	5.2	5.6	6.0	6.4	7.1	7.9	8.7	9.5
-85°	3.4	4.0	4.7	5.1	5.4	5.8	6.2	6.7	7.3	7.9	8.6
-87.5°	3.4	4.0	4.6	4.9	5.2	5.6	5.9	6.3	6.7	7.2	7.7
-90°	3.4	3.4	3.4	3.1	2.8	2.5	2.2	2.2	2.2	2.2	2.2



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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°	6.7	6.7	6.7	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.7
87.5°	2.1	1.9	1.8	1.7	1.6	1.5	1.3	1.1	1.1	1.1	1.1
85°	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1	1.1
82.5°	2.6	2.5	2.4	2.2	2.0	1.7	1.4	1.3	1.3	1.3	1.2
80°	3.0	2.8	2.5	2.2	2.1	2.0	2.0	2.0	1.9	1.8	1.6
77.5°	3.2	2.9	2.6	2.3	2.2	2.4	2.6	2.8	2.8	2.7	2.5
75°	3.2	2.9	2.8	2.8	3.0	3.2	3.4	3.4	3.3	3.2	3.2
72.5°	3.3	3.2	3.2	3.4	3.4	3.4	3.4	3.4	4.3	5.6	6.4
70°	3.4	3.4	3.4	3.4	3.4	3.7	5.3	7.5	9.8	11.0	12.1
67.5°	3.4	3.4	3.4	3.5	4.3	6.0	8.5	13.4	18.5	19.8	19.6
65°	3.4	3.4	3.8	4.6	5.5	9.7	14.9	21.0	25.5	24.8	23.2
62.5°	3.4	3.9	4.6	6.2	9.6	14.5	19.3	23.7	28.0	27.2	23.5
60°	3.9	4.4	6.3	9.6	13.3	16.9	21.4	24.2	27.0	27.7	21.2
57.5°	4.4	5.7	8.8	12.3	15.4	18.1	19.7	22.2	23.2	22.5	16.5
55°	5.3	7.6	11.0	14.3	16.5	15.8	16.8	17.6	17.3	15.9	11.7
52.5°	6.9	9.4	12.7	15.4	15.7	14.2	13.2	13.4	12.4	10.5	9.1
50°	8.3	11.1	14.2	15.7	15.0	12.7	10.6	10.3	9.6	8.7	7.9
47.5°	9.8	12.8	15.3	16.1	13.9	11.9	9.8	9.1	8.6	8.9	8.4
45°	11.3	14.1	16.6	15.2	13.3	11.7	10.8	9.0	10.1	10.8	11.2
42.5°	12.7	15.3	16.3	14.5	13.4	13.4	13.2	12.8	13.4	16.2	17.8
40°	13.7	16.4	16.3	15.9	14.7	16.9	19.0	20.7	20.8	24.4	27.3
37.5°	14.7	16.8	17.7	19.9	18.9	23.0	26.5	40.5	41.1	34.0	46.1
35°	15.5	17.6	23.3	29.7	32.2	31.3	51.2	69.7	74.2	66.7	79.2
32.5°	16.5	18.9	30.8	45.8	59.4	60.3	83.0	112.4	127.9	133.1	139.9
30°	18.2	25.9	42.6	66.2	98.7	125.4	136.2	167.8	196.4	253.5	293.5
27.5°	21.5	35.1	62.1	102.5	152.5	202.8	220.0	242.0	316.8	418.0	518.2
25°	25.4	54.5	84.4	150.6	227.0	282.9	304.8	334.5	475.7	671.4	786.5
22.5°	35.6	79.5	118.0	206.1	309.7	360.9	389.6	496.0	712.2	972.1	1088.7
20°	53.8	109.2	159.0	252.4	392.7	438.3	470.5	692.0	1006.7	1253.6	1436.4
17.5°	74.9	139.0	199.7	301.2	428.7	497.3	564.5	908.3	1315.3	1532.3	1747.7
15°	98.1	168.7	235.0	344.7	461.2	532.6	709.1	1153.1	1594.3	1806.0	2020.8
12.5°	122.7	197.9	265.3	382.8	493.3	565.6	840.5	1327.7	1743.3	2021.9	2279.7
10°	147.9	226.4	291.2	415.7	524.5	596.1	963.4	1476.1	1822.3	2070.2	2362.2
7.5°	164.8	245.0	311.3	443.6	554.0	624.2	1074.8	1598.5	1876.0	2094.4	2353.9
5°	178.2	252.0	319.0	463.5	578.3	646.3	1162.5	1695.2	1908.6	2098.1	2310.4
2.5°	188.9	256.8	325.0	478.9	597.7	660.4	1191.6	1725.0	1915.1	2098.0	2289.5
0°	196.6	259.6	329.2	489.9	613.5	671.9	1197.8	1731.5	1910.2	2093.4	2297.9
-2.5°	203.6	267.6	342.1	499.3	614.2	673.2	1191.9	1723.8	1931.8	2144.1	2388.3
-5°	207.8	274.0	352.8	504.1	611.8	672.5	1164.7	1693.1	1929.5	2144.9	2403.2
-7.5°	209.9	278.8	360.6	503.5	603.4	663.4	1092.8	1594.8	1853.7	2056.6	2327.4
-10°	210.6	284.8	365.8	492.8	587.6	648.1	999.9	1478.1	1769.8	1959.9	2222.7
-12.5°	212.5	291.6	369.0	480.8	571.9	630.7	894.8	1345.6	1679.0	1856.2	2103.1
-15°	212.4	296.8	370.7	468.4	557.4	611.2	780.0	1199.3	1611.4	1836.5	2038.3
-17.5°	210.4	300.5	370.8	456.5	544.7	589.7	661.9	1070.0	1555.4	1828.4	2024.2
-20°	206.8	302.7	369.7	445.9	533.1	580.6	639.4	944.8	1406.7	1799.6	2018.6



REPORT NUMBER: P731406 (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°	201.6	303.3	368.4	440.5	523.9	583.5	633.9	807.5	1210.3	1751.9	1981.0
-25°	198.8	294.4	366.9	434.2	514.1	587.0	628.3	681.0	1016.2	1511.4	1892.8
-27.5°	197.2	284.1	358.5	423.8	501.6	586.1	628.8	673.4	852.0	1236.8	1756.5
-30°	192.6	267.2	347.1	410.2	486.9	569.5	632.8	667.9	718.0	1016.5	1440.6
-32.5°	183.0	249.4	328.5	395.4	467.6	550.3	628.6	667.7	710.5	799.1	1141.3
-35°	172.8	235.5	307.1	377.1	443.9	524.2	600.8	666.3	703.3	749.1	902.2
-37.5°	164.7	219.8	285.2	354.7	420.6	492.7	569.9	642.3	697.7	743.9	802.2
-40°	154.6	202.4	265.3	330.4	394.8	461.5	533.7	606.6	676.5	746.6	799.7
-42.5°	142.4	188.8	244.4	305.6	367.3	431.4	495.9	566.2	647.8	736.1	804.2
-45°	127.9	173.1	222.6	279.2	337.3	398.9	461.3	524.8	610.8	701.5	787.0
-47.5°	111.6	154.9	202.1	250.9	305.7	363.1	423.9	490.3	565.8	652.4	745.5
-50°	94.3	134.6	178.6	223.9	272.8	325.8	382.0	449.1	520.1	596.0	680.1
-52.5°	78.0	112.2	152.9	196.2	240.4	288.0	340.6	400.7	467.2	537.8	608.5
-55°	60.5	91.2	125.2	165.6	208.1	250.9	296.9	350.2	408.1	472.5	535.8
-57.5°	46.8	69.3	98.7	132.4	172.1	213.6	254.2	297.5	348.2	403.1	456.5
-60°	35.4	50.9	72.5	101.1	132.9	170.2	209.3	248.7	289.5	330.3	375.8
-62.5°	25.1	37.0	51.3	70.3	97.4	125.2	157.9	194.2	232.6	267.6	301.2
-65°	22.0	25.5	35.2	48.6	62.5	85.5	110.3	135.7	167.4	198.8	230.8
-67.5°	18.7	21.9	25.1	30.1	42.2	54.1	66.1	87.7	109.7	129.8	151.2
-70°	16.9	18.5	21.2	24.0	26.8	31.7	42.2	52.5	62.6	74.5	91.5
-72.5°	15.4	16.8	18.2	19.8	22.2	24.6	27.0	29.3	35.3	43.5	51.3
-75°	13.9	15.0	16.1	17.4	18.8	20.3	21.9	24.0	25.9	27.7	29.6
-77.5°	12.4	13.4	14.3	15.1	16.1	17.2	18.4	19.7	20.8	21.9	23.0
-80°	11.1	11.7	12.5	13.3	13.9	14.6	15.3	16.1	16.7	17.3	18.0
-82.5°	9.9	10.4	10.9	11.4	11.8	12.2	12.5	12.9	13.5	14.1	14.6
-85°	8.8	9.0	9.2	9.5	9.9	10.4	10.7	11.0	11.3	11.6	11.9
-87.5°	7.8	7.8	7.9	8.0	8.4	8.7	9.1	9.5	9.6	9.7	9.8
-90°	1.9	1.7	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P731406 (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°	9.0	9.0	9.0	9.0	9.0	9.3	9.6	9.8	10.1	10.1	10.1
87.5°	1.1	1.1	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.4	1.4	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	2.4	2.2	1.9	1.6	1.2	1.1	1.1	1.1	1.1	1.1	1.1
75°	3.3	3.2	3.1	2.8	2.3	2.2	2.2	2.2	2.0	2.0	2.1
72.5°	6.9	6.8	6.4	5.9	5.1	4.6	4.5	4.3	4.1	3.9	3.8
70°	12.4	12.0	11.3	10.0	8.3	7.2	6.6	5.8	4.9	4.5	4.4
67.5°	17.9	16.1	14.5	12.8	10.5	8.6	7.6	6.6	5.7	5.2	5.0
65°	20.7	16.5	13.8	11.6	10.0	8.4	7.2	6.2	5.3	4.7	4.6
62.5°	19.0	13.8	10.9	9.1	7.6	6.6	5.8	5.0	4.2	3.8	3.9
60°	15.5	10.6	8.1	7.1	6.3	5.7	4.9	4.3	3.7	3.5	3.8
57.5°	11.8	8.4	6.6	6.2	5.6	4.8	4.3	4.2	4.1	4.1	4.3
55°	8.8	7.5	6.7	5.9	5.3	4.7	4.5	4.7	4.7	4.5	4.5
52.5°	7.5	6.9	6.1	5.4	5.3	5.3	5.5	5.3	5.2	5.2	5.3
50°	7.4	6.8	6.2	5.6	5.8	5.8	5.6	5.8	6.2	6.3	6.4
47.5°	8.0	7.5	7.9	6.6	6.9	7.8	7.8	8.0	8.9	9.4	9.5
45°	10.5	12.8	12.7	11.8	11.4	16.4	16.8	14.0	22.8	21.9	15.4
42.5°	19.4	20.6	20.6	25.8	34.9	39.8	52.7	73.4	68.7	53.4	32.3
40°	32.1	30.5	37.2	47.7	58.3	70.8	88.6	123.7	117.8	94.3	103.6
37.5°	55.3	55.4	58.6	73.2	77.3	66.6	94.6	91.4	72.8	102.4	108.3
35°	101.2	111.4	94.6	117.2	120.3	110.7	116.0	128.2	110.9	132.7	142.1
32.5°	181.8	200.6	203.0	208.6	225.3	238.1	234.6	264.5	266.0	294.2	332.9
30°	290.5	329.4	369.8	376.2	397.0	430.8	447.9	508.1	572.0	613.8	690.6
27.5°	510.7	520.3	601.5	665.4	639.9	690.6	817.5	891.1	1013.1	1085.9	1163.2
25°	820.2	846.7	961.1	1078.8	1094.5	1140.9	1325.2	1430.4	1556.2	1629.6	1789.1
22.5°	1213.0	1327.2	1453.1	1608.0	1671.6	1780.4	1959.6	2113.8	2375.9	2700.2	3398.8
20°	1650.6	1822.2	1991.4	2127.5	2258.6	2431.6	2649.6	3394.2	4276.5	6934.8	8768.9
17.5°	2025.1	2306.2	2467.9	2599.7	2764.1	3098.0	3963.5	6157.6	10388.9	16307.2	21724.5
15°	2316.3	2578.8	2838.8	3004.0	3261.0	4000.0	5761.0	11142.2	19909.9	29900.4	41990.0
12.5°	2547.1	2765.1	2983.5	3226.5	3701.6	5141.8	9621.9	17932.2	30682.0	46831.2	68263.8
10°	2671.8	2889.9	3100.7	3446.7	4325.9	6948.5	13227.2	24186.5	44197.4	69418.7	96733.0
7.5°	2671.0	2936.8	3197.4	3619.4	4962.3	9107.3	17474.1	32304.2	55973.6	87594.0	122758.7
5°	2669.5	2991.2	3264.2	3740.5	5360.3	10580.6	20110.2	36799.9	65562.4	101246.1	138898.9
2.5°	2695.4	3049.4	3307.4	3820.3	5544.7	11371.2	21572.6	40350.8	72266.2	109016.7	149251.7
0°	2756.3	3101.3	3332.7	3828.3	5522.7	11534.3	21742.6	41209.9	74846.3	113890.3	155178.3
-2.5°	2857.1	3093.8	3318.4	3795.9	5449.1	11197.8	21345.4	40460.5	71856.7	108467.1	148426.2
-5°	2796.4	2987.6	3186.3	3615.9	5087.7	10018.4	19227.5	36205.5	63021.3	95897.7	130128.1
-7.5°	2640.6	2834.4	3018.4	3389.0	4566.8	8267.5	15728.3	29084.7	50029.7	75633.6	102519.5
-10°	2498.6	2672.4	2845.7	3142.1	3902.0	6063.9	11255.0	20583.8	36527.4	55828.3	76374.6
-12.5°	2389.3	2535.2	2668.7	2867.3	3290.0	4497.4	8188.1	15111.9	24528.9	36816.8	51853.7
-15°	2293.1	2406.5	2504.7	2695.9	3010.0	3640.8	5102.1	9057.6	14925.3	22668.0	30878.6
-17.5°	2204.1	2312.9	2428.9	2574.5	2772.3	3075.1	3914.5	5578.3	8963.5	14021.3	18863.6
-20°	2158.6	2291.8	2391.4	2505.3	2673.2	2905.9	3200.9	4026.2	5421.5	8529.9	11678.4



REPORT NUMBER: P731406 (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°	2122.7	2249.7	2363.4	2495.6	2668.0	2851.6	3010.8	3262.9	3921.2	4897.4	6522.8
-25°	2079.0	2204.2	2372.3	2564.7	2712.8	2851.7	2932.5	2985.0	3267.5	3546.6	4168.8
-27.5°	1995.9	2194.3	2441.3	2649.0	2808.4	2894.6	2959.7	3002.2	3171.6	3338.0	3519.0
-30°	1921.7	2225.9	2492.6	2734.1	2872.8	2978.1	3062.9	3139.7	3256.7	3397.6	3463.4
-32.5°	1658.3	2217.3	2514.0	2736.3	2878.9	3003.1	3133.8	3204.7	3307.8	3411.0	3494.2
-35°	1302.6	1870.6	2490.8	2618.1	2759.6	2921.6	3078.6	3179.5	3284.5	3390.7	3488.7
-37.5°	975.8	1400.5	1903.5	2363.6	2553.4	2719.2	2912.0	3067.5	3204.8	3320.7	3432.3
-40°	855.3	970.5	1340.5	1705.9	2093.9	2450.0	2640.6	2848.7	3055.4	3198.5	3325.9
-42.5°	853.9	898.1	935.9	1180.7	1479.3	1785.6	2109.6	2411.7	2748.0	2983.7	3162.6
-45°	859.4	893.8	929.0	964.5	997.0	1222.3	1458.7	1698.3	2049.3	2397.7	2699.0
-47.5°	818.6	884.8	927.0	961.0	993.3	1024.9	1055.8	1120.4	1344.8	1582.3	1799.3
-50°	753.6	822.0	884.7	947.7	984.7	1016.0	1049.6	1086.5	1122.4	1158.9	1183.1
-52.5°	674.1	741.3	806.6	866.4	920.2	973.1	1026.0	1068.9	1107.3	1144.7	1163.3
-55°	598.0	658.5	718.0	770.6	823.1	875.2	927.8	980.1	1032.1	1083.1	1109.2
-57.5°	513.5	572.3	628.3	672.6	717.1	761.6	809.4	858.5	905.9	949.3	972.2
-60°	423.9	474.3	522.3	565.2	607.0	647.1	687.6	728.6	768.8	804.1	824.8
-62.5°	334.7	373.6	413.6	451.1	486.7	521.0	557.9	593.2	626.5	654.7	674.3
-65°	262.0	291.1	316.7	342.6	369.0	399.1	429.6	458.4	485.4	507.7	524.4
-67.5°	178.0	204.7	228.1	250.2	270.4	290.9	312.8	333.8	353.6	370.1	383.0
-70°	107.7	122.7	136.1	150.9	168.5	185.8	203.1	219.1	233.6	245.5	254.9
-72.5°	58.5	64.9	71.7	82.4	92.2	102.0	111.7	120.6	128.6	135.8	142.0
-75°	31.5	34.2	39.1	43.6	47.5	51.5	55.3	58.9	62.1	64.7	66.9
-77.5°	24.3	25.6	26.8	27.9	28.8	29.7	30.5	31.3	32.1	32.9	33.5
-80°	18.7	19.6	20.5	21.3	22.1	22.7	23.2	23.6	23.9	24.4	24.9
-82.5°	15.0	15.4	15.8	16.3	16.7	17.2	17.6	18.1	18.5	18.7	18.8
-85°	12.3	12.4	12.6	12.7	12.9	13.0	13.2	13.3	13.3	13.4	13.4
-87.5°	9.9	9.9	10.0	10.0	10.0	10.3	10.6	10.9	11.2	11.2	11.2
-90°	1.1	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	9.8
87.5°	0.0	0.0	0.5	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.2
72.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.6	3.8	3.9	4.1	4.3
70°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.5	4.9	5.8
67.5°	4.8	4.5	4.0	3.4	4.0	4.5	4.8	5.0	5.2	5.7	6.6
65°	4.5	4.5	4.0	3.4	4.0	4.5	4.5	4.6	4.7	5.3	6.2
62.5°	4.2	4.4	4.0	3.4	4.0	4.4	4.2	3.9	3.8	4.2	5.0
60°	4.1	4.4	4.5	4.5	4.5	4.4	4.1	3.8	3.5	3.7	4.3
57.5°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.1	4.1	4.2
55°	4.5	4.5	4.9	5.6	4.9	4.5	4.5	4.5	4.5	4.7	4.7
52.5°	5.4	5.5	5.6	5.6	5.6	5.5	5.4	5.3	5.2	5.2	5.3
50°	6.5	6.6	6.7	6.7	6.7	6.6	6.5	6.4	6.3	6.2	5.8
47.5°	9.5	9.2	9.0	9.0	9.0	9.2	9.5	9.5	9.4	8.9	8.0
45°	15.7	15.6	15.6	15.7	15.6	15.6	15.7	15.4	21.9	22.8	14.0
42.5°	31.4	28.3	25.9	27.0	25.9	28.3	31.4	32.3	53.4	68.7	73.4
40°	92.5	63.5	36.8	37.1	36.8	63.5	92.5	103.6	94.3	117.8	123.7
37.5°	86.4	69.7	62.9	61.8	62.9	69.7	86.4	108.3	102.4	72.8	91.4
35°	142.6	141.7	135.5	134.8	135.5	141.7	142.6	142.1	132.7	110.9	128.2
32.5°	347.8	362.1	357.5	351.7	357.5	362.1	347.8	332.9	294.2	266.0	264.5
30°	727.1	758.8	752.4	769.7	752.4	758.8	727.1	690.6	613.8	572.0	508.1
27.5°	1206.0	1226.7	1205.2	1198.9	1205.2	1226.7	1206.0	1163.2	1085.9	1013.1	891.1
25°	1898.0	1938.2	1956.6	1994.5	1956.6	1938.2	1898.0	1789.1	1629.6	1556.2	1430.4
22.5°	4267.5	4516.1	4388.4	4274.4	4388.4	4516.1	4267.5	3398.8	2700.2	2375.9	2113.8
20°	12523.7	14735.6	14572.6	14281.6	14572.6	14735.6	12523.7	8768.9	6934.8	4276.5	3394.2
17.5°	30198.4	36993.8	41225.7	43452.7	41225.7	36993.8	30198.4	21724.5	16307.2	10388.9	6157.6
15°	56337.5	67767.4	74478.5	78284.7	74478.5	67767.4	56337.5	41990.0	29900.4	19909.9	11142.2
12.5°	88868.6	106783.4	118668.2	120940.1	118668.2	106783.4	88868.6	68263.8	46831.2	30682.0	17932.2
10°	124689.7	147634.5	166557.5	173458.9	166557.5	147634.5	124689.7	96733.0	69418.7	44197.4	24186.5
7.5°	155282.2	184562.2	209689.3	218626.3	209689.3	184562.2	155282.2	122758.7	87594.0	55973.6	32304.2
5°	177527.7	216368.9	239113.1	245250.0	239113.1	216368.9	177527.7	138898.9	101246.1	65562.4	36799.9
2.5°	195635.7	232505.6	256890.4	269463.0	256890.4	232505.6	195635.7	149251.7	109016.7	72266.2	40350.8
0°	203597.5	239029.5	265328.5	283774.4	265328.5	239029.5	203597.5	155178.3	113890.3	74846.3	41209.9
-2.5°	193813.1	230047.3	248755.1	256839.9	248755.1	230047.3	193813.1	148426.2	108467.1	71856.7	40460.5
-5°	164781.7	198939.0	217741.7	223715.3	217741.7	198939.0	164781.7	130128.1	95897.7	63021.3	36205.5
-7.5°	128536.5	152200.7	168423.1	174077.0	168423.1	152200.7	128536.5	102519.5	75633.6	50029.7	29084.7
-10°	96785.2	113756.5	122449.9	125388.1	122449.9	113756.5	96785.2	76374.6	55828.3	36527.4	20583.8
-12.5°	66458.0	79234.0	84853.5	88545.3	84853.5	79234.0	66458.0	51853.7	36816.8	24528.9	15111.9
-15°	40880.1	49209.1	53634.0	56160.0	53634.0	49209.1	40880.1	30878.6	22668.0	14925.3	9057.6
-17.5°	24836.8	29364.3	32296.6	33625.2	32296.6	29364.3	24836.8	18863.6	14021.3	8963.5	5578.3
-20°	15419.3	18433.8	20146.0	21128.0	20146.0	18433.8	15419.3	11678.4	8529.9	5421.5	4026.2



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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°	8662.1	10316.1	11243.6	11566.9	11243.6	10316.1	8662.1	6522.8	4897.4	3921.2	3262.9
-25°	4816.9	5237.9	5422.1	5465.4	5422.1	5237.9	4816.9	4168.8	3546.6	3267.5	2985.0
-27.5°	3675.9	3765.7	3822.5	3839.5	3822.5	3765.7	3675.9	3519.0	3338.0	3171.6	3002.2
-30°	3526.0	3535.4	3551.0	3548.5	3551.0	3535.4	3526.0	3463.4	3397.6	3256.7	3139.7
-32.5°	3552.8	3556.3	3559.4	3554.1	3559.4	3556.3	3552.8	3494.2	3411.0	3307.8	3204.7
-35°	3542.2	3552.4	3560.4	3564.2	3560.4	3552.4	3542.2	3488.7	3390.7	3284.5	3179.5
-37.5°	3476.7	3490.7	3497.6	3491.2	3497.6	3490.7	3476.7	3432.3	3320.7	3204.8	3067.5
-40°	3356.5	3366.6	3367.3	3362.0	3367.3	3366.6	3356.5	3325.9	3198.5	3055.4	2848.7
-42.5°	3217.1	3252.5	3269.3	3269.8	3269.3	3252.5	3217.1	3162.6	2983.7	2748.0	2411.7
-45°	2889.9	3038.0	3125.9	3147.3	3125.9	3038.0	2889.9	2699.0	2397.7	2049.3	1698.3
-47.5°	1972.8	2119.9	2215.6	2251.8	2215.6	2119.9	1972.8	1799.3	1582.3	1344.8	1120.4
-50°	1200.8	1218.6	1226.5	1224.8	1226.5	1218.6	1200.8	1183.1	1158.9	1122.4	1086.5
-52.5°	1177.5	1191.6	1200.3	1204.6	1200.3	1191.6	1177.5	1163.3	1144.7	1107.3	1068.9
-55°	1130.7	1148.4	1157.4	1159.6	1157.4	1148.4	1130.7	1109.2	1083.1	1032.1	980.1
-57.5°	991.4	1006.8	1015.7	1019.2	1015.7	1006.8	991.4	972.2	949.3	905.9	858.5
-60°	841.6	854.5	860.1	860.7	860.1	854.5	841.6	824.8	804.1	768.8	728.6
-62.5°	690.5	703.3	707.6	706.8	707.6	703.3	690.5	674.3	654.7	626.5	593.2
-65°	538.3	549.5	551.7	549.5	551.7	549.5	538.3	524.4	507.7	485.4	458.4
-67.5°	393.9	402.6	405.1	404.5	405.1	402.6	393.9	383.0	370.1	353.6	333.8
-70°	262.5	268.0	267.9	265.2	267.9	268.0	262.5	254.9	245.5	233.6	219.1
-72.5°	147.2	151.5	154.9	157.3	154.9	151.5	147.2	142.0	135.8	128.6	120.6
-75°	68.6	69.9	71.6	73.0	71.6	69.9	68.6	66.9	64.7	62.1	58.9
-77.5°	34.1	34.6	35.3	36.0	35.3	34.6	34.1	33.5	32.9	32.1	31.3
-80°	25.3	25.7	25.8	25.8	25.8	25.7	25.3	24.9	24.4	23.9	23.6
-82.5°	19.0	19.0	19.1	19.1	19.1	19.0	19.0	18.8	18.7	18.5	18.1
-85°	13.5	13.5	14.0	14.6	14.0	13.5	13.5	13.4	13.4	13.3	13.3
-87.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	10.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.6	9.3	9.0	9.0	9.0	9.0	9.0	8.7	8.5	8.2	7.9
87.5°	0.5	0.8	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.3
80°	1.1	1.1	1.1	1.3	1.4	1.4	1.4	1.6	1.8	1.9	2.0
77.5°	1.1	1.1	1.2	1.6	1.9	2.2	2.4	2.5	2.7	2.8	2.8
75°	2.2	2.2	2.3	2.8	3.1	3.2	3.3	3.2	3.2	3.3	3.4
72.5°	4.5	4.6	5.1	5.9	6.4	6.8	6.9	6.4	5.6	4.3	3.4
70°	6.6	7.2	8.3	10.0	11.3	12.0	12.4	12.1	11.0	9.8	7.5
67.5°	7.6	8.6	10.5	12.8	14.5	16.1	17.9	19.6	19.8	18.5	13.4
65°	7.2	8.4	10.0	11.6	13.8	16.5	20.7	23.2	24.8	25.5	21.0
62.5°	5.8	6.6	7.6	9.1	10.9	13.8	19.0	23.5	27.2	28.0	23.7
60°	4.9	5.7	6.3	7.1	8.1	10.6	15.5	21.2	27.7	27.0	24.2
57.5°	4.3	4.8	5.6	6.2	6.6	8.4	11.8	16.5	22.5	23.2	22.2
55°	4.5	4.7	5.3	5.9	6.7	7.5	8.8	11.7	15.9	17.3	17.6
52.5°	5.5	5.3	5.3	5.4	6.1	6.9	7.5	9.1	10.5	12.4	13.4
50°	5.6	5.8	5.8	5.6	6.2	6.8	7.4	7.9	8.7	9.6	10.3
47.5°	7.8	7.8	6.9	6.6	7.9	7.5	8.0	8.4	8.9	8.6	9.1
45°	16.8	16.4	11.4	11.8	12.7	12.8	10.5	11.2	10.8	10.1	9.0
42.5°	52.7	39.8	34.9	25.8	20.6	20.6	19.4	17.8	16.2	13.4	12.8
40°	88.6	70.8	58.3	47.7	37.2	30.5	32.1	27.3	24.4	20.8	20.7
37.5°	94.6	66.6	77.3	73.2	58.6	55.4	55.3	46.1	34.0	41.1	40.5
35°	116.0	110.7	120.3	117.2	94.6	111.4	101.2	79.2	66.7	74.2	69.7
32.5°	234.6	238.1	225.3	208.6	203.0	200.6	181.8	139.9	133.1	127.9	112.4
30°	447.9	430.8	397.0	376.2	369.8	329.4	290.5	293.5	253.5	196.4	167.8
27.5°	817.5	690.6	639.9	665.4	601.5	520.3	510.7	518.2	418.0	316.8	242.0
25°	1325.2	1140.9	1094.5	1078.8	961.1	846.7	820.2	786.5	671.4	475.7	334.5
22.5°	1959.6	1780.4	1671.6	1608.0	1453.1	1327.2	1213.0	1088.7	972.1	712.2	496.0
20°	2649.6	2431.6	2258.6	2127.5	1991.4	1822.2	1650.6	1436.4	1253.6	1006.7	692.0
17.5°	3963.5	3098.0	2764.1	2599.7	2467.9	2306.2	2025.1	1747.7	1532.3	1315.3	908.3
15°	5761.0	4000.0	3261.0	3004.0	2838.8	2578.8	2316.3	2020.8	1806.0	1594.3	1153.1
12.5°	9621.9	5141.8	3701.6	3226.5	2983.5	2765.1	2547.1	2279.7	2021.9	1743.3	1327.7
10°	13227.2	6948.5	4325.9	3446.7	3100.7	2889.9	2671.8	2362.2	2070.2	1822.3	1476.1
7.5°	17474.1	9107.3	4962.3	3619.4	3197.4	2936.8	2671.0	2353.9	2094.4	1876.0	1598.5
5°	20110.2	10580.6	5360.3	3740.5	3264.2	2991.2	2669.5	2310.4	2098.1	1908.6	1695.2
2.5°	21572.6	11371.2	5544.7	3820.3	3307.4	3049.4	2695.4	2289.5	2098.0	1915.1	1725.0
0°	21742.6	11534.3	5522.7	3828.3	3332.7	3101.3	2756.3	2297.9	2093.4	1910.2	1731.5
-2.5°	21345.4	11197.8	5449.1	3795.9	3318.4	3093.8	2857.1	2388.3	2144.1	1931.8	1723.8
-5°	19227.5	10018.4	5087.7	3615.9	3186.3	2987.6	2796.4	2403.2	2144.9	1929.5	1693.1
-7.5°	15728.3	8267.5	4566.8	3389.0	3018.4	2834.4	2640.6	2327.4	2056.6	1853.7	1594.8
-10°	11255.0	6063.9	3902.0	3142.1	2845.7	2672.4	2498.6	2222.7	1959.9	1769.8	1478.1
-12.5°	8188.1	4497.4	3290.0	2867.3	2668.7	2535.2	2389.3	2103.1	1856.2	1679.0	1345.6
-15°	5102.1	3640.8	3010.0	2695.9	2504.7	2406.5	2293.1	2038.3	1836.5	1611.4	1199.3
-17.5°	3914.5	3075.1	2772.3	2574.5	2428.9	2312.9	2204.1	2024.2	1828.4	1555.4	1070.0
-20°	3200.9	2905.9	2673.2	2505.3	2391.4	2291.8	2158.6	2018.6	1799.6	1406.7	944.8



REPORT NUMBER: P731406 (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°	3010.8	2851.6	2668.0	2495.6	2363.4	2249.7	2122.7	1981.0	1751.9	1210.3	807.5
-25°	2932.5	2851.7	2712.8	2564.7	2372.3	2204.2	2079.0	1892.8	1511.4	1016.2	681.0
-27.5°	2959.7	2894.6	2808.4	2649.0	2441.3	2194.3	1995.9	1756.5	1236.8	852.0	673.4
-30°	3062.9	2978.1	2872.8	2734.1	2492.6	2225.9	1921.7	1440.6	1016.5	718.0	667.9
-32.5°	3133.8	3003.1	2878.9	2736.3	2514.0	2217.3	1658.3	1141.3	799.1	710.5	667.7
-35°	3078.6	2921.6	2759.6	2618.1	2490.8	1870.6	1302.6	902.2	749.1	703.3	666.3
-37.5°	2912.0	2719.2	2553.4	2363.6	1903.5	1400.5	975.8	802.2	743.9	697.7	642.3
-40°	2640.6	2450.0	2093.9	1705.9	1340.5	970.5	855.3	799.7	746.6	676.5	606.6
-42.5°	2109.6	1785.6	1479.3	1180.7	935.9	898.1	853.9	804.2	736.1	647.8	566.2
-45°	1458.7	1222.3	997.0	964.5	929.0	893.8	859.4	787.0	701.5	610.8	524.8
-47.5°	1055.8	1024.9	993.3	961.0	927.0	884.8	818.6	745.5	652.4	565.8	490.3
-50°	1049.6	1016.0	984.7	947.7	884.7	822.0	753.6	680.1	596.0	520.1	449.1
-52.5°	1026.0	973.1	920.2	866.4	806.6	741.3	674.1	608.5	537.8	467.2	400.7
-55°	927.8	875.2	823.1	770.6	718.0	658.5	598.0	535.8	472.5	408.1	350.2
-57.5°	809.4	761.6	717.1	672.6	628.3	572.3	513.5	456.5	403.1	348.2	297.5
-60°	687.6	647.1	607.0	565.2	522.3	474.3	423.9	375.8	330.3	289.5	248.7
-62.5°	557.9	521.0	486.7	451.1	413.6	373.6	334.7	301.2	267.6	232.6	194.2
-65°	429.6	399.1	369.0	342.6	316.7	291.1	262.0	230.8	198.8	167.4	135.7
-67.5°	312.8	290.9	270.4	250.2	228.1	204.7	178.0	151.2	129.8	109.7	87.7
-70°	203.1	185.8	168.5	150.9	136.1	122.7	107.7	91.5	74.5	62.6	52.5
-72.5°	111.7	102.0	92.2	82.4	71.7	64.9	58.5	51.3	43.5	35.3	29.3
-75°	55.3	51.5	47.5	43.6	39.1	34.2	31.5	29.6	27.7	25.9	24.0
-77.5°	30.5	29.7	28.8	27.9	26.8	25.6	24.3	23.0	21.9	20.8	19.7
-80°	23.2	22.7	22.1	21.3	20.5	19.6	18.7	18.0	17.3	16.7	16.1
-82.5°	17.6	17.2	16.7	16.3	15.8	15.4	15.0	14.6	14.1	13.5	12.9
-85°	13.2	13.0	12.9	12.7	12.6	12.4	12.3	11.9	11.6	11.3	11.0
-87.5°	10.6	10.3	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6	9.5
-90°	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1	1.1	1.1	1.1



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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°	7.6	7.3	7.0	6.7	6.7	6.7	6.7	6.7	6.4	6.2	5.9
87.5°	1.3	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5
85°	1.4	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.4	2.6	2.7
82.5°	1.4	1.7	2.0	2.2	2.4	2.5	2.6	2.5	2.6	2.8	3.0
80°	2.0	2.0	2.1	2.2	2.5	2.8	3.0	3.0	3.0	3.0	3.2
77.5°	2.6	2.4	2.2	2.3	2.6	2.9	3.2	3.4	3.3	3.2	3.3
75°	3.4	3.2	3.0	2.8	2.8	2.9	3.2	3.4	3.4	3.4	3.4
72.5°	3.4	3.4	3.4	3.4	3.2	3.2	3.3	3.4	3.4	3.4	3.4
70°	5.3	3.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
67.5°	8.5	6.0	4.3	3.5	3.4	3.4	3.4	3.5	3.6	3.4	3.4
65°	14.9	9.7	5.5	4.6	3.8	3.4	3.4	3.6	3.8	3.6	3.4
62.5°	19.3	14.5	9.6	6.2	4.6	3.9	3.4	3.7	3.9	3.9	3.6
60°	21.4	16.9	13.3	9.6	6.3	4.4	3.9	3.7	4.0	4.2	3.9
57.5°	19.7	18.1	15.4	12.3	8.8	5.7	4.4	4.1	4.0	4.3	4.2
55°	16.8	15.8	16.5	14.3	11.0	7.6	5.3	4.5	4.2	4.3	4.5
52.5°	13.2	14.2	15.7	15.4	12.7	9.4	6.9	5.0	4.6	4.4	4.6
50°	10.6	12.7	15.0	15.7	14.2	11.1	8.3	6.1	5.0	4.5	4.7
47.5°	9.8	11.9	13.9	16.1	15.3	12.8	9.8	7.2	5.4	4.9	4.7
45°	10.8	11.7	13.3	15.2	16.6	14.1	11.3	8.1	6.2	5.3	4.8
42.5°	13.2	13.4	13.4	14.5	16.3	15.3	12.7	9.4	6.9	5.7	5.0
40°	19.0	16.9	14.7	15.9	16.3	16.4	13.7	10.6	7.5	6.2	5.4
37.5°	26.5	23.0	18.9	19.9	17.7	16.8	14.7	11.8	8.4	6.9	5.8
35°	51.2	31.3	32.2	29.7	23.3	17.6	15.5	12.7	9.8	7.5	6.2
32.5°	83.0	60.3	59.4	45.8	30.8	18.9	16.5	14.1	11.1	8.1	6.6
30°	136.2	125.4	98.7	66.2	42.6	25.9	18.2	15.6	12.5	8.7	7.1
27.5°	220.0	202.8	152.5	102.5	62.1	35.1	21.5	17.1	13.9	9.5	7.6
25°	304.8	282.9	227.0	150.6	84.4	54.5	25.4	18.8	15.3	10.6	8.0
22.5°	389.6	360.9	309.7	206.1	118.0	79.5	35.6	21.9	16.6	11.7	8.5
20°	470.5	438.3	392.7	252.4	159.0	109.2	53.8	25.4	18.0	12.8	8.9
17.5°	564.5	497.3	428.7	301.2	199.7	139.0	74.9	29.1	19.3	13.8	9.3
15°	709.1	532.6	461.2	344.7	235.0	168.7	98.1	33.1	20.7	14.8	9.6
12.5°	840.5	565.6	493.3	382.8	265.3	197.9	122.7	37.2	22.0	15.7	10.0
10°	963.4	596.1	524.5	415.7	291.2	226.4	147.9	41.4	23.7	16.3	10.3
7.5°	1074.8	624.2	554.0	443.6	311.3	245.0	164.8	45.6	25.4	16.9	10.5
5°	1162.5	646.3	578.3	463.5	319.0	252.0	178.2	49.5	27.2	17.4	10.8
2.5°	1191.6	660.4	597.7	478.9	325.0	256.8	188.9	53.1	28.8	17.7	11.0
0°	1197.8	671.9	613.5	489.9	329.2	259.6	196.6	56.2	30.3	18.0	11.2
-2.5°	1191.9	673.2	614.2	499.3	342.1	267.6	203.6	70.1	39.9	23.4	13.8
-5°	1164.7	672.5	611.8	504.1	352.8	274.0	207.8	83.1	49.1	28.6	16.4
-7.5°	1092.8	663.4	603.4	503.5	360.6	278.8	209.9	95.3	57.7	33.5	18.7
-10°	999.9	648.1	587.6	492.8	365.8	284.8	210.6	106.2	65.4	37.8	20.8
-12.5°	894.8	630.7	571.9	480.8	369.0	291.6	212.5	115.5	72.0	41.6	22.7
-15°	780.0	611.2	557.4	468.4	370.7	296.8	212.4	123.0	77.7	45.2	24.1
-17.5°	661.9	589.7	544.7	456.5	370.8	300.5	210.4	128.7	82.4	48.9	25.8
-20°	639.4	580.6	533.1	445.9	369.7	302.7	206.8	132.4	86.1	51.6	27.4



REPORT NUMBER: P731406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	633.9	583.5	523.9	440.5	368.4	303.3	201.6	134.0	88.7	53.3	28.4
-25°	628.3	587.0	514.1	434.2	366.9	294.4	198.8	133.3	90.2	54.0	28.6
-27.5°	628.8	586.1	501.6	423.8	358.5	284.1	197.2	134.3	90.7	53.6	28.1
-30°	632.8	569.5	486.9	410.2	347.1	267.2	192.6	134.0	90.0	52.7	26.8
-32.5°	628.6	550.3	467.6	395.4	328.5	249.4	183.0	132.2	87.8	51.2	26.0
-35°	600.8	524.2	443.9	377.1	307.1	235.5	172.8	128.8	83.9	48.5	25.0
-37.5°	569.9	492.7	420.6	354.7	285.2	219.8	164.7	120.9	78.4	44.6	23.5
-40°	533.7	461.5	394.8	330.4	265.3	202.4	154.6	111.1	72.4	39.4	21.3
-42.5°	495.9	431.4	367.3	305.6	244.4	188.8	142.4	99.6	64.2	35.3	18.6
-45°	461.3	398.9	337.3	279.2	222.6	173.1	127.9	87.0	54.7	31.5	16.5
-47.5°	423.9	363.1	305.7	250.9	202.1	154.9	111.6	75.1	44.3	26.9	15.8
-50°	382.0	325.8	272.8	223.9	178.6	134.6	94.3	62.0	37.9	21.3	15.0
-52.5°	340.6	288.0	240.4	196.2	152.9	112.2	78.0	48.4	31.0	18.7	14.1
-55°	296.9	250.9	208.1	165.6	125.2	91.2	60.5	39.7	23.4	17.3	13.1
-57.5°	254.2	213.6	172.1	132.4	98.7	69.3	46.8	30.3	20.3	15.9	12.8
-60°	209.3	170.2	132.9	101.1	72.5	50.9	35.4	22.9	18.4	14.5	12.4
-62.5°	157.9	125.2	97.4	70.3	51.3	37.0	25.1	20.5	16.3	13.8	11.9
-65°	110.3	85.5	62.5	48.6	35.2	25.5	22.0	17.9	15.2	13.2	11.3
-67.5°	66.1	54.1	42.2	30.1	25.1	21.9	18.7	16.3	14.3	12.4	10.8
-70°	42.2	31.7	26.8	24.0	21.2	18.5	16.9	15.2	13.4	11.7	10.2
-72.5°	27.0	24.6	22.2	19.8	18.2	16.8	15.4	14.0	12.4	10.9	9.6
-75°	21.9	20.3	18.8	17.4	16.1	15.0	13.9	12.7	11.3	10.0	8.9
-77.5°	18.4	17.2	16.1	15.1	14.3	13.4	12.4	11.4	10.3	9.3	8.3
-80°	15.3	14.6	13.9	13.3	12.5	11.7	11.1	10.4	9.5	8.6	7.7
-82.5°	12.5	12.2	11.8	11.4	10.9	10.4	9.9	9.5	8.7	7.9	7.1
-85°	10.7	10.4	9.9	9.5	9.2	9.0	8.8	8.6	7.9	7.3	6.7
-87.5°	9.1	8.7	8.4	8.0	7.9	7.8	7.8	7.7	7.2	6.7	6.3
-90°	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2	2.2	2.2



REPORT NUMBER: P731406 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.6	5.3	5.1	4.8	4.5	4.0	3.4
87.5°	2.5	2.7	2.9	3.1	3.4	3.4	3.4
85°	2.8	2.9	3.0	3.2	3.4	3.4	3.4
82.5°	3.1	3.1	3.1	3.2	3.4	3.5	3.4
80°	3.4	3.3	3.2	3.3	3.4	3.5	3.4
77.5°	3.4	3.4	3.3	3.3	3.4	3.5	3.4
75°	3.4	3.5	3.4	3.3	3.4	3.5	3.4
72.5°	3.5	3.6	3.5	3.4	3.4	3.6	3.4
70°	3.5	3.6	3.6	3.4	3.4	3.6	3.4
67.5°	3.5	3.7	3.7	3.5	3.5	3.6	3.4
65°	3.5	3.8	3.8	3.6	3.5	3.7	3.4
62.5°	3.6	3.8	4.0	3.8	3.5	3.7	3.4
60°	3.6	3.9	4.1	3.9	3.5	3.7	3.4
57.5°	3.9	3.9	4.1	4.0	3.6	3.7	3.4
55°	4.1	3.9	4.1	4.1	3.7	3.8	3.4
52.5°	4.4	4.0	4.2	4.2	3.8	3.8	3.4
50°	4.7	4.2	4.2	4.3	3.9	3.8	3.4
47.5°	4.9	4.4	4.2	4.4	4.0	3.9	3.4
45°	5.0	4.6	4.3	4.5	4.0	3.9	3.4
42.5°	5.0	4.9	4.3	4.5	4.1	3.9	3.4
40°	5.1	5.1	4.4	4.5	4.2	4.0	3.4
37.5°	5.1	5.3	4.6	4.5	4.2	4.0	3.4
35°	5.2	5.4	4.7	4.6	4.3	4.0	3.4
32.5°	5.3	5.4	4.9	4.6	4.3	4.1	3.4
30°	5.7	5.5	5.0	4.7	4.4	4.1	3.4
27.5°	6.0	5.5	5.1	4.7	4.4	4.2	3.4
25°	6.3	5.6	5.2	4.8	4.4	4.2	3.4
22.5°	6.7	5.6	5.3	4.9	4.4	4.2	3.4
20°	7.0	5.7	5.4	4.9	4.5	4.3	3.4
17.5°	7.3	5.8	5.5	5.0	4.5	4.3	3.4
15°	7.6	5.9	5.5	5.1	4.5	4.3	3.4
12.5°	7.9	6.0	5.6	5.2	4.5	4.4	3.4
10°	8.2	6.2	5.6	5.3	4.5	4.4	3.4
7.5°	8.4	6.3	5.6	5.4	4.5	4.4	3.4
5°	8.7	6.4	5.6	5.4	4.5	4.4	3.4
2.5°	8.8	6.6	5.6	5.5	4.5	4.5	3.4
0°	9.0	6.7	5.6	5.6	4.5	4.5	3.4
-2.5°	9.9	7.1	5.8	5.7	4.5	4.5	3.4
-5°	10.7	7.4	6.0	5.7	4.6	4.5	3.4
-7.5°	11.5	7.8	6.2	5.8	4.6	4.6	3.4
-10°	12.2	8.1	6.4	5.8	4.7	4.6	3.4
-12.5°	12.8	8.4	6.6	5.9	4.7	4.6	3.4
-15°	13.3	8.6	6.7	5.9	4.8	4.6	3.4
-17.5°	13.7	8.8	6.9	5.9	4.8	4.6	3.4
-20°	14.1	9.0	7.0	6.0	4.9	4.6	3.4



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.6	9.2	7.1	6.0	4.9	4.6	3.4
-25°	14.9	9.3	7.2	6.0	5.0	4.6	3.4
-27.5°	14.7	9.4	7.2	6.0	5.0	4.6	3.4
-30°	14.3	9.5	7.3	6.0	5.1	4.6	3.4
-32.5°	13.4	9.5	7.3	6.0	5.1	4.6	3.4
-35°	13.1	9.4	7.4	6.0	5.1	4.6	3.4
-37.5°	13.0	9.3	7.4	5.9	5.2	4.6	3.4
-40°	12.8	9.4	7.4	5.9	5.2	4.6	3.4
-42.5°	12.4	9.4	7.4	5.9	5.2	4.6	3.4
-45°	12.0	9.3	7.4	5.8	5.3	4.6	3.4
-47.5°	11.5	9.2	7.4	5.8	5.3	4.5	3.4
-50°	11.3	9.1	7.3	5.8	5.3	4.5	3.4
-52.5°	11.1	9.0	7.2	5.9	5.4	4.5	3.4
-55°	10.9	8.8	7.1	5.9	5.4	4.5	3.4
-57.5°	10.6	8.7	7.0	5.9	5.4	4.5	3.4
-60°	10.3	8.4	6.8	5.9	5.5	4.4	3.4
-62.5°	10.0	8.2	6.8	5.9	5.4	4.4	3.4
-65°	9.6	7.9	6.7	5.9	5.3	4.4	3.4
-67.5°	9.2	7.7	6.6	5.9	5.3	4.3	3.4
-70°	8.8	7.4	6.5	5.8	5.2	4.3	3.4
-72.5°	8.3	7.1	6.3	5.7	5.1	4.3	3.4
-75°	7.8	6.8	6.1	5.6	5.0	4.2	3.4
-77.5°	7.3	6.5	6.0	5.5	4.9	4.2	3.4
-80°	6.7	6.3	5.8	5.3	4.9	4.1	3.4
-82.5°	6.4	6.0	5.6	5.2	4.8	4.1	3.4
-85°	6.2	5.8	5.4	5.1	4.7	4.0	3.4
-87.5°	5.9	5.6	5.2	4.9	4.6	4.0	3.4
-90°	2.2	2.5	2.8	3.1	3.4	3.4	3.4

(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

