

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: P731558 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-4S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731558 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-4S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

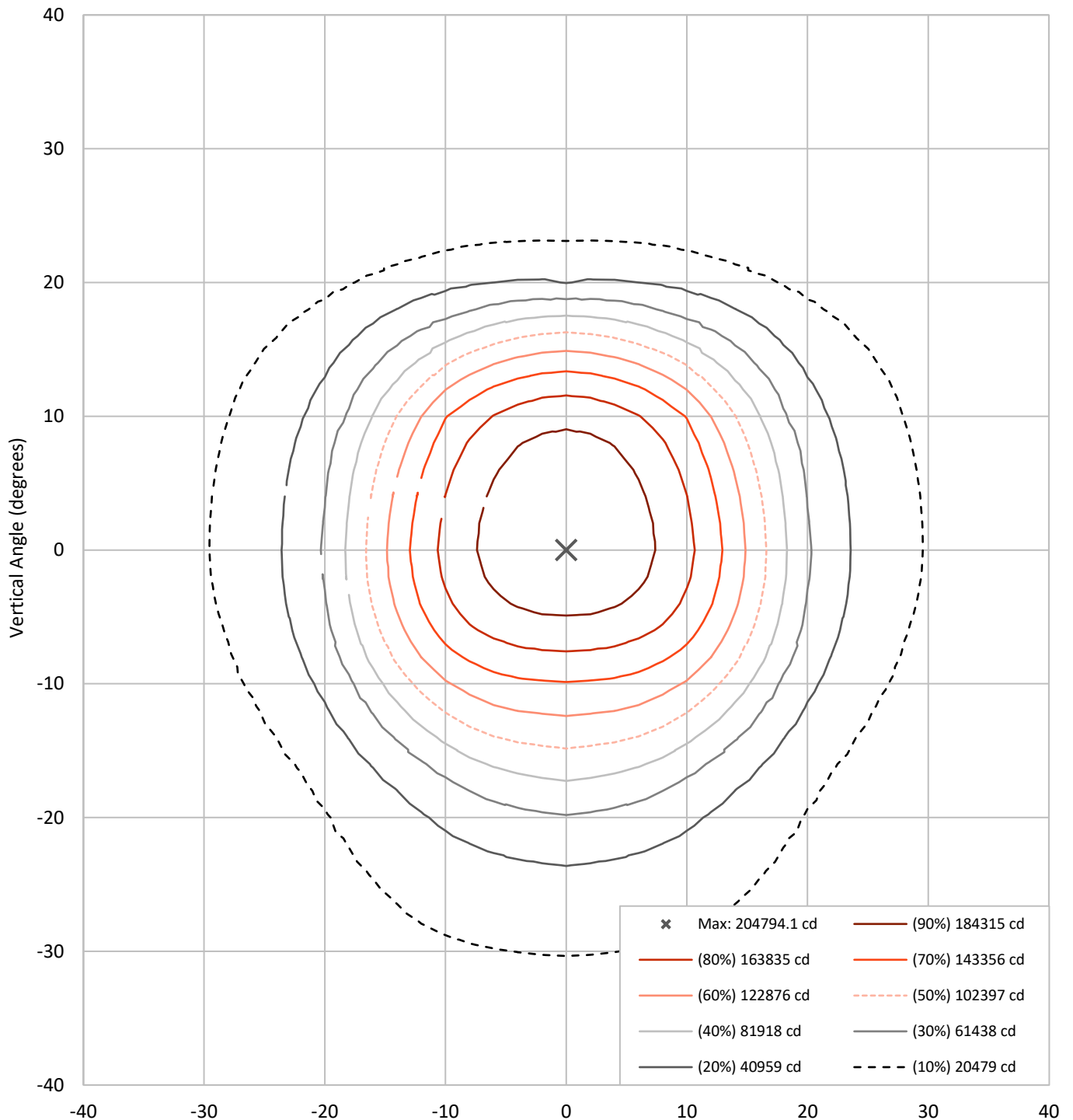
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	69777.6 lumens	Max Intensity:	204794.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	38136.2 lumens	Field Lumens:	61449.8 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%

Input Watts (W): 559.9
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





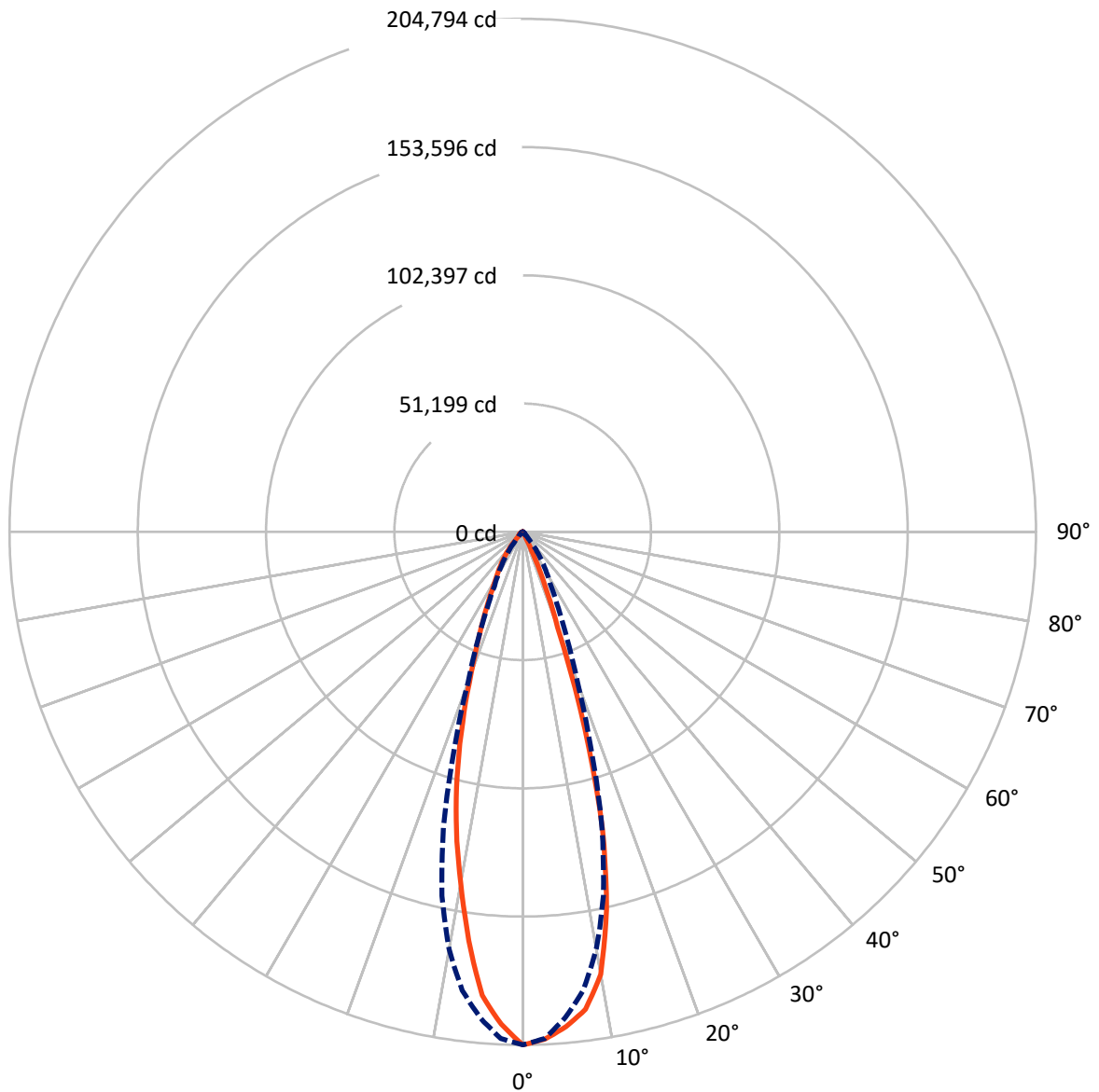
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Lumen Table

90	0.1		0.1		0.3		0.4		0.3		0.4		0.3		0.1		0.1	
80	0.1		0.1		0.3		0.4		0.3		0.4		0.3		0.1		0.1	
70	0.1	0.0	0.1	0.4	0.6	0.3	0.2	0.2	0.2	0.2	0.3	0.6	0.4	0.1	0.0	0.1	0.1	0.1
60		0.1	0.2	0.7	0.7	0.3	0.2	0.3	0.3	0.2	0.3	0.7	0.7	0.2	0.1			
50	0.1	0.1	0.3	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.3	0.1	0.1	0.1	0.1
40		0.2	0.8	2.1	3.8	6.6	10.0	12.3	12.3	10.0	6.6	3.8	2.1	0.8	0.2			
30	0.1	0.4	3.4	10.5	41.4	129.3	259.0	420.5	420.5	259.0	129.3	41.4	10.5	3.4	0.4	0.1	0.1	0.1
20		1.1	7.8	25.3	171.2	584.7	1744.9	3253.1	3253.1	1744.9	584.7	171.2	25.3	7.8	1.1			
10	0.2	1.7	10.7	36.1	266.7	950.0	3257.5	5579.5	5579.5	3257.5	950.0	266.7	36.1	10.7	1.7	0.2	0.2	0.2
0		2.2	11.4	37.2	263.3	916.4	3153.0	5193.5	5193.5	3153.0	916.4	263.3	37.2	11.4	2.2			
-10	0.4	2.6	10.9	28.6	156.5	517.7	1591.1	2836.3	2836.3	1591.1	517.7	156.5	28.6	10.9	2.6	0.4	0.4	0.4
-20		2.7	10.4	22.1	73.7	280.7	646.6	1031.5	1031.5	646.6	280.7	73.7	22.1	10.4	2.7			
-30	0.3	2.2	9.4	18.9	36.4	104.3	261.1	396.6	396.6	261.1	104.3	36.4	18.9	9.4	2.2	0.3	0.3	0.3
-40		1.4	6.8	16.1	27.2	41.5	63.1	85.7	85.7	63.1	41.5	27.2	16.1	6.8	1.4			
-50	0.2	0.7	3.5	10.5	20.4	29.5	37.8	43.3	43.3	37.8	29.5	20.4	10.5	3.5	0.7	0.2	0.2	0.2
-60		0.3	1.2	3.7	8.2	13.7	19.3	22.4	22.4	19.3	13.7	8.2	3.7	1.2	0.3			
-70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-80		0.6	2.6	6.5	8.7	6.5	2.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
-90	0.1		0.6		2.6		6.5		8.7		6.5		2.6		0.6		0.1	

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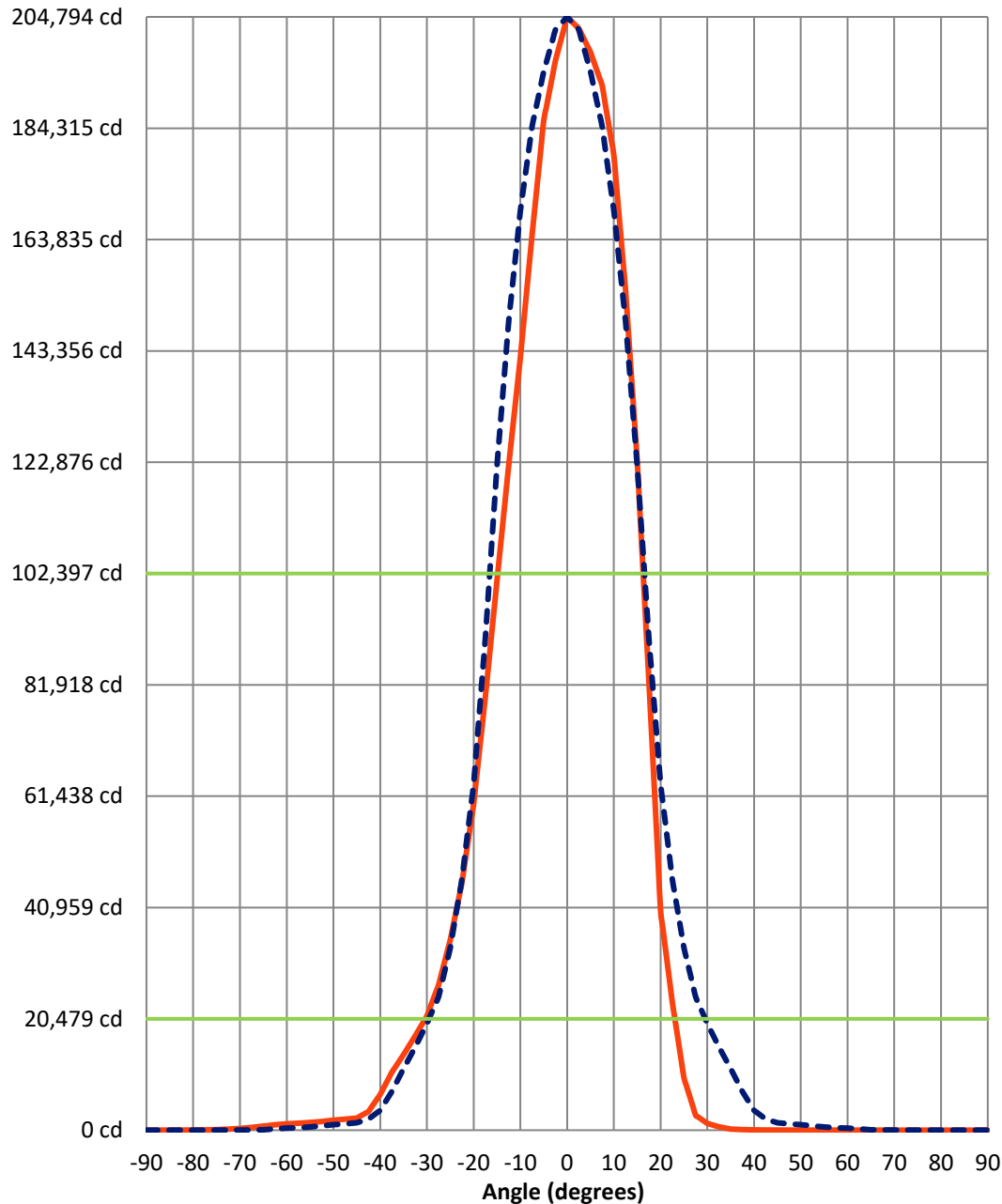
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 31.1°
 Lumens: 38136.2
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 61449.8
 Efficiency: 88.1%

Spill:
 Lumens: 8327.8
 Efficiency: 11.9%

— 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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	3.5	2.7	1.9	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8
85°	3.5	2.7	2.1	2.1	2.1	2.0	1.8	1.8	1.8	1.8	1.8
82.5°	3.5	2.8	2.3	2.3	2.2	2.1	1.8	1.8	1.8	1.9	1.8
80°	3.5	2.8	2.4	2.5	2.4	2.2	1.9	2.1	2.1	2.1	1.8
77.5°	3.5	2.8	2.6	2.6	2.6	2.4	2.3	2.5	2.4	2.3	2.0
75°	3.5	2.9	2.7	2.8	2.7	2.6	2.8	2.9	2.8	2.7	2.7
72.5°	3.5	2.9	2.9	3.0	2.9	2.9	3.2	3.2	3.1	3.1	3.4
70°	3.5	3.0	3.0	3.2	3.0	3.2	3.5	3.3	3.3	3.5	3.5
67.5°	3.5	3.0	3.1	3.2	3.2	3.4	3.5	3.4	3.5	3.5	3.5
65°	3.5	3.1	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.1	3.4	3.3	3.4	3.5	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.1	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.2	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.2	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
52.5°	3.5	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
50°	3.5	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.6
47.5°	3.5	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.8
45°	3.5	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.6	4.5	6.9
42.5°	3.5	3.3	3.5	3.5	3.5	3.5	3.5	3.6	3.7	5.5	8.4
40°	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.7	4.1	6.5	9.9
37.5°	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.9	5.0	7.6	11.4
35°	3.5	3.4	3.5	3.5	3.5	3.5	3.5	4.1	5.9	9.0	12.8
32.5°	3.5	3.4	3.5	3.5	3.5	3.5	3.6	4.3	6.7	10.3	14.0
30°	3.5	3.4	3.5	3.5	3.5	3.5	3.7	4.7	7.5	11.6	15.6
27.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.9	5.4	8.4	12.8	17.4
25°	3.5	3.5	3.5	3.5	3.5	3.5	4.2	6.0	9.3	14.1	19.5
22.5°	3.5	3.5	3.5	3.5	3.5	3.5	4.4	6.6	10.3	15.6	23.6
20°	3.5	3.5	3.5	3.5	3.5	3.7	4.6	7.1	11.1	17.2	28.1
17.5°	3.5	3.5	3.5	3.5	3.5	3.8	4.9	7.6	11.8	18.9	32.9
15°	3.5	3.5	3.5	3.5	3.5	4.0	5.3	8.2	12.5	20.6	37.9
12.5°	3.5	3.5	3.5	3.5	3.5	4.2	5.6	8.9	13.7	22.3	42.9
10°	3.5	3.5	3.5	3.5	3.5	4.4	6.0	9.7	15.3	25.3	48.1
7.5°	3.5	3.5	3.5	3.5	3.5	4.7	6.3	10.4	16.8	28.5	53.6
5°	3.5	3.5	3.5	3.5	3.5	4.9	6.6	11.1	18.4	31.5	58.6
2.5°	3.5	3.5	3.5	3.5	3.5	5.1	6.8	11.8	19.8	34.4	63.2
0°	3.5	3.5	3.5	3.5	3.5	5.3	7.1	12.4	21.2	37.1	67.2
-2.5°	3.5	3.5	3.5	3.5	3.7	5.9	8.7	15.7	28.5	50.1	86.6
-5°	3.5	3.5	3.5	3.5	3.8	6.4	10.3	18.9	35.5	62.5	105.1
-7.5°	3.5	3.5	3.5	3.5	4.0	6.9	11.8	21.8	42.0	74.1	122.2
-10°	3.5	3.5	3.5	3.5	4.1	7.4	13.2	24.5	47.7	84.5	137.7
-12.5°	3.5	3.5	3.5	3.5	4.2	7.8	14.4	26.9	52.7	93.4	151.4
-15°	3.5	3.5	3.5	3.5	4.3	8.1	15.4	28.9	56.7	100.3	162.7
-17.5°	3.5	3.5	3.5	3.5	4.4	8.3	16.2	30.8	59.7	105.5	171.0
-20°	3.5	3.5	3.5	3.5	4.4	8.4	16.8	32.4	61.6	108.7	176.1



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.5	3.5	3.5	3.5	4.5	8.4	17.4	33.5	62.3	109.9	177.7
-25°	3.5	3.5	3.5	3.5	4.5	8.5	17.7	34.0	61.6	108.8	175.5
-27.5°	3.5	3.5	3.5	3.5	4.4	8.5	17.6	33.8	59.6	106.5	173.9
-30°	3.5	3.5	3.5	3.5	4.4	8.3	17.2	32.9	58.2	103.9	169.5
-32.5°	3.5	3.5	3.5	3.5	4.4	8.0	16.3	32.2	57.1	99.4	161.8
-35°	3.5	3.5	3.5	3.5	4.4	7.5	15.7	31.1	55.0	93.0	151.0
-37.5°	3.5	3.5	3.5	3.5	4.4	7.1	15.0	29.4	51.9	84.4	137.6
-40°	3.5	3.5	3.5	3.5	4.4	7.1	14.1	27.1	47.7	78.4	124.1
-42.5°	3.5	3.5	3.5	3.5	4.4	7.0	13.0	24.3	43.9	71.5	108.6
-45°	3.5	3.5	3.5	3.6	4.5	6.9	11.6	21.6	39.9	63.6	92.5
-47.5°	3.5	3.5	3.5	3.6	4.5	6.7	10.0	19.6	35.1	55.0	82.6
-50°	3.5	3.5	3.5	3.6	4.5	6.5	9.5	17.3	29.0	47.8	71.9
-52.5°	3.5	3.5	3.5	3.6	4.5	6.2	9.1	14.6	24.5	39.9	60.4
-55°	3.5	3.5	3.5	3.6	4.4	6.0	8.7	11.9	20.8	31.3	50.3
-57.5°	3.5	3.5	3.5	3.6	4.3	5.8	8.2	11.3	16.9	25.7	39.3
-60°	3.5	3.5	3.5	3.6	4.2	5.6	7.7	10.6	13.5	21.1	29.6
-62.5°	3.5	3.5	3.5	3.6	4.1	5.2	7.2	9.7	12.4	16.2	24.1
-65°	3.5	3.5	3.5	3.6	4.0	4.9	6.6	8.9	11.3	14.1	18.4
-67.5°	3.5	3.5	3.5	3.6	3.9	4.6	6.0	8.0	10.1	12.6	15.4
-70°	3.5	3.5	3.5	3.5	3.8	4.4	5.2	7.1	9.1	11.1	13.6
-72.5°	3.5	3.5	3.5	3.5	3.7	4.1	4.8	6.2	8.0	9.9	11.7
-75°	3.5	3.5	3.5	3.5	3.5	3.9	4.4	5.5	6.9	8.7	10.4
-77.5°	3.5	3.5	3.5	3.5	3.5	3.6	4.0	4.9	6.1	7.5	9.0
-80°	3.5	3.5	3.5	3.5	3.5	3.5	3.6	4.3	5.3	6.4	7.6
-82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.9	4.4	5.3	6.2
-85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.5	5.0
-87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.8	4.0	4.3
-90°	3.5	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.2	2.3	2.4
80°	1.8	1.8	1.9	1.8	2.0	2.2	2.6	3.1	3.4	3.5	3.5
77.5°	2.2	2.3	2.2	1.9	2.1	2.5	3.0	3.4	3.5	3.5	3.5
75°	2.9	2.8	2.4	2.0	2.1	2.5	2.9	3.4	3.5	3.5	3.5
72.5°	3.3	2.8	2.4	2.0	2.3	2.9	3.3	3.5	4.3	5.4	6.1
70°	3.3	2.9	2.7	2.8	3.2	3.9	5.4	7.4	9.3	10.0	10.7
67.5°	3.4	3.2	3.3	3.7	4.9	6.7	8.9	11.7	14.5	15.4	16.5
65°	3.5	3.4	3.9	5.1	6.9	9.6	12.7	15.9	20.7	23.1	24.3
62.5°	3.5	3.8	4.7	6.6	9.6	12.8	16.8	22.1	28.5	32.6	32.4
60°	3.5	3.9	5.9	8.8	12.1	15.9	21.2	28.5	37.5	44.0	39.6
57.5°	3.5	4.7	7.6	10.9	14.4	18.7	25.9	34.9	43.2	51.9	44.5
55°	4.0	6.0	9.2	12.6	16.8	21.9	29.0	36.1	45.1	48.4	40.5
52.5°	5.4	7.4	10.5	14.5	19.6	23.7	27.6	33.9	37.3	38.9	33.4
50°	6.8	8.9	11.8	16.7	21.1	23.4	23.9	27.8	29.4	28.1	25.5
47.5°	8.2	10.6	13.5	18.3	21.3	22.4	21.5	22.3	22.2	21.9	18.4
45°	9.8	12.5	15.5	18.9	21.1	20.8	20.4	18.0	20.4	19.7	18.1
42.5°	11.4	14.3	17.4	19.7	20.2	21.3	21.1	21.9	21.9	23.0	24.8
40°	13.0	16.0	19.5	21.1	20.6	23.8	28.6	31.0	27.9	33.6	38.6
37.5°	14.3	18.2	22.8	26.4	24.3	31.5	39.3	51.7	53.5	49.7	63.5
35°	15.5	20.7	30.2	38.6	40.7	44.1	65.9	85.7	98.0	90.8	101.3
32.5°	17.3	23.4	40.4	58.7	73.2	77.3	100.2	141.9	166.1	170.2	163.4
30°	20.4	32.9	55.6	84.0	116.5	145.6	165.7	213.3	253.0	296.3	322.0
27.5°	24.9	45.2	79.9	124.0	173.0	227.4	272.7	309.4	382.0	455.6	519.0
25°	30.3	70.2	107.8	174.1	251.8	327.0	389.9	446.2	541.8	656.8	849.1
22.5°	43.4	102.3	154.3	230.3	339.5	434.6	519.6	607.0	723.7	878.6	1281.0
20°	66.8	142.4	207.3	288.2	430.0	546.9	654.6	764.6	910.9	1235.3	2118.0
17.5°	93.8	184.3	258.3	352.1	497.4	646.1	794.0	915.1	1092.3	1571.0	3039.6
15°	123.4	227.4	304.4	410.5	561.3	723.1	888.3	1061.7	1331.9	2018.5	3914.4
12.5°	154.7	271.0	345.9	463.5	621.3	796.3	964.0	1151.8	1548.2	2697.3	5027.4
10°	186.7	314.3	383.4	511.1	677.0	865.0	1031.6	1227.6	1717.6	3131.7	5804.6
7.5°	207.1	345.1	414.0	553.5	727.9	928.4	1091.3	1290.1	1861.3	3407.5	6347.8
5°	222.6	360.8	424.0	572.6	761.3	974.7	1137.6	1340.3	1976.9	3542.3	6723.2
2.5°	234.3	373.1	432.2	584.1	781.7	996.3	1151.4	1359.1	2024.8	3623.8	6983.3
0°	242.3	382.0	438.6	590.8	795.9	1009.9	1158.5	1369.0	2032.3	3647.1	7110.2
-2.5°	255.6	389.0	451.9	602.7	803.4	1014.2	1164.5	1376.7	2062.0	3756.1	7304.0
-5°	265.3	393.1	463.1	610.0	804.5	1011.1	1164.5	1374.8	2044.8	3718.2	7059.5
-7.5°	272.0	394.9	472.0	612.5	793.8	988.9	1140.8	1335.6	1937.5	3479.1	6395.6
-10°	276.8	400.7	483.2	608.8	770.3	952.9	1107.3	1288.0	1799.2	3143.1	5626.3
-12.5°	284.2	410.1	494.1	603.3	745.7	911.6	1068.4	1232.8	1631.7	2710.4	4756.6
-15°	287.9	417.8	504.2	597.0	721.6	865.8	1024.4	1170.5	1443.9	2188.4	3791.2
-17.5°	288.0	424.3	513.8	590.5	699.3	816.0	980.3	1125.3	1311.5	1867.3	3118.2
-20°	284.4	429.7	523.1	584.7	680.8	785.1	944.4	1093.5	1257.4	1626.9	2450.6



REPORT NUMBER: P731558 (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°	277.0	434.3	529.1	589.3	674.1	772.3	903.3	1055.4	1201.2	1370.1	1940.9
-25°	272.2	422.7	529.9	594.1	666.9	758.6	859.0	1010.5	1148.7	1311.3	1672.4
-27.5°	269.0	406.7	520.2	595.2	658.1	745.3	833.4	957.8	1108.5	1259.6	1424.7
-30°	260.7	377.6	506.7	589.8	654.5	733.0	816.1	909.7	1062.3	1208.8	1360.9
-32.5°	244.1	347.1	476.8	572.0	648.7	719.4	798.5	882.8	1003.5	1154.6	1294.3
-35°	224.9	323.5	440.0	549.7	637.2	706.0	778.2	857.9	946.8	1084.0	1239.3
-37.5°	207.1	296.0	402.2	516.8	608.7	692.0	754.9	830.5	913.1	1007.7	1162.8
-40°	185.9	264.8	366.7	474.6	577.6	669.0	739.9	800.4	876.7	973.0	1069.3
-42.5°	162.3	237.7	328.5	431.3	533.2	630.6	722.5	781.5	849.0	938.7	1030.8
-45°	142.9	207.0	287.5	382.7	480.8	582.4	675.7	768.0	832.6	904.6	992.0
-47.5°	121.1	175.4	249.1	330.2	423.8	520.3	620.3	716.1	814.7	883.7	952.3
-50°	100.3	148.5	206.4	281.1	362.6	453.6	547.7	652.9	752.2	848.3	927.9
-52.5°	87.1	119.1	171.1	231.3	303.8	382.9	472.8	570.0	672.4	774.4	861.9
-55°	72.8	99.8	135.6	187.1	246.3	315.8	393.0	482.1	574.9	672.6	765.1
-57.5°	59.2	82.4	109.0	145.0	195.2	249.9	316.9	390.2	473.6	560.2	637.5
-60°	45.4	65.2	88.0	114.1	145.9	192.9	240.9	301.5	370.9	440.7	508.2
-62.5°	32.2	48.3	67.4	88.9	114.0	139.5	177.8	222.1	268.1	324.8	380.7
-65°	25.8	33.4	47.5	65.6	84.7	106.7	129.5	152.8	190.3	227.8	263.6
-67.5°	19.1	25.8	33.0	42.4	58.7	75.1	92.8	113.1	133.6	152.7	175.6
-70°	16.1	18.6	24.0	30.6	37.0	44.7	58.9	74.3	90.0	105.1	121.0
-72.5°	13.9	16.2	18.4	20.6	25.6	30.5	35.0	39.1	48.1	60.6	72.7
-75°	11.9	13.7	15.8	17.8	19.4	20.9	22.9	26.7	30.5	34.2	37.5
-77.5°	10.1	11.3	12.8	14.7	16.1	17.1	18.3	19.5	21.2	23.1	25.0
-80°	8.2	8.8	9.7	10.8	12.0	13.2	14.1	14.9	15.9	17.2	18.6
-82.5°	6.6	7.0	7.4	7.8	8.5	9.3	10.2	11.2	11.8	12.4	13.1
-85°	5.2	5.3	5.6	5.8	6.2	6.5	7.0	7.5	8.0	8.5	9.0
-87.5°	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	5.2	5.6	6.0
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



REPORT NUMBER: P731558 (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°	3.5	4.0	4.4	4.9	5.3	5.8	6.2	6.7	7.1	7.1	7.1
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	2.6	2.5	2.3	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	3.5	3.3	3.1	2.9	2.9	2.7	2.5	2.2	1.8	1.8	1.8
77.5°	3.5	3.5	3.5	3.5	3.5	3.2	2.7	2.3	1.9	1.8	1.8
75°	3.5	3.6	3.9	3.9	3.6	3.4	3.2	3.2	3.2	3.0	2.6
72.5°	6.4	6.3	6.0	5.9	5.7	5.7	5.7	5.5	5.0	4.9	5.0
70°	11.3	11.6	11.6	11.2	10.1	9.0	8.4	7.6	6.9	6.5	6.2
67.5°	17.4	17.5	16.6	15.0	12.5	10.3	9.4	8.4	7.5	7.2	7.6
65°	24.2	22.0	19.3	16.5	13.4	10.5	9.7	9.1	8.5	8.6	9.2
62.5°	29.9	24.1	19.4	16.0	13.1	10.4	9.6	8.8	8.1	7.6	7.5
60°	33.0	24.3	17.4	14.4	11.7	9.2	8.1	7.6	7.3	7.1	7.1
57.5°	33.0	22.9	15.2	12.4	10.0	7.9	7.1	7.1	7.1	7.1	7.1
55°	29.4	20.0	13.0	10.7	9.1	7.8	7.2	7.4	7.3	7.1	7.5
52.5°	23.0	16.6	12.1	10.0	9.3	8.9	8.7	8.6	8.4	8.2	8.5
50°	18.3	13.7	11.6	10.4	10.4	10.4	10.4	10.6	10.8	11.0	11.1
47.5°	15.3	12.9	13.1	12.1	12.5	13.6	13.9	14.0	14.6	14.6	14.3
45°	15.7	18.2	18.8	18.5	18.3	20.8	20.6	19.0	21.2	21.9	21.4
42.5°	26.0	28.2	29.7	31.0	32.5	34.4	35.5	34.9	36.9	36.9	34.6
40°	44.0	41.9	45.2	49.2	52.8	54.2	57.5	61.0	62.3	61.6	59.2
37.5°	72.1	69.0	69.3	78.2	86.5	76.8	91.1	96.9	93.3	106.1	108.7
35°	119.7	132.4	114.1	146.4	162.4	154.5	171.8	205.8	179.4	227.7	239.5
32.5°	212.9	243.3	262.4	289.6	329.7	382.3	395.6	479.6	506.5	545.4	587.3
30°	347.9	433.8	592.0	621.5	659.7	841.2	891.1	936.8	1032.4	1106.0	1231.3
27.5°	632.1	863.8	1194.6	1485.9	1464.6	1771.7	2113.6	1730.8	2298.7	2070.9	2615.7
25°	1183.7	1694.4	2492.1	3264.0	3632.4	4258.3	5041.1	4892.9	5925.7	5997.4	7520.8
22.5°	2251.2	3360.8	4580.7	5892.9	7165.8	8574.5	9928.2	11347.3	13480.9	16428.8	19293.9
20°	3683.3	5314.7	7285.0	9316.7	11471.2	13662.1	16207.5	20518.0	24937.6	31072.4	35406.3
17.5°	5235.0	7831.7	10250.2	12767.5	15779.5	19421.2	24686.5	32051.7	40985.4	50156.0	57250.3
15°	6590.5	9528.0	13014.1	16370.1	20115.6	25582.0	33851.5	44760.9	58046.4	71987.6	88845.8
12.5°	7902.1	10970.4	14758.8	19003.7	24093.4	31917.4	42636.7	57379.7	74979.7	95929.1	117581.5
10°	8919.9	12286.6	16503.0	21283.5	27495.7	37105.2	49561.7	66967.8	93048.3	117778.9	142504.5
7.5°	9715.3	13502.6	17968.9	22986.1	30219.5	41039.7	55942.9	77854.0	105410.3	132167.9	154942.0
5°	10422.2	14502.5	18962.1	23945.7	32180.3	43902.5	59951.1	84974.5	114380.7	140678.3	162349.8
2.5°	10979.1	15156.3	19507.6	24426.4	33442.5	45482.8	62064.9	88795.8	120162.9	146125.5	166818.8
0°	11316.2	15272.8	19599.1	24528.5	33538.4	46198.8	63714.4	90468.0	122225.2	148791.3	169143.9
-2.5°	11195.4	15011.7	19302.5	24228.5	33222.1	45527.7	62387.6	89620.6	120477.6	145332.6	165802.0
-5°	10593.6	14157.4	18141.7	22776.4	31123.6	42978.5	58626.7	83460.2	112464.3	137277.2	156538.9
-7.5°	9644.8	12963.4	16621.3	20912.1	28130.3	38842.8	53102.4	74235.5	100565.6	123460.3	140843.0
-10°	8583.3	11579.2	14748.5	18548.8	24191.1	33284.2	45192.0	61328.7	83910.4	104495.5	120931.1
-12.5°	7307.4	9799.9	12464.1	15741.4	20017.8	27430.9	37442.5	50532.6	66233.7	84551.6	99514.5
-15°	5981.4	8076.8	10282.0	13356.1	17003.4	21725.6	28921.9	39328.5	50983.1	63494.5	77070.6
-17.5°	4803.2	6577.3	8915.5	11504.7	14284.5	17570.5	23520.7	30612.7	39047.3	47971.3	56164.8
-20°	3858.4	5740.0	7840.5	10092.3	12646.5	15806.3	19461.5	24849.7	31104.5	37955.0	44518.6



REPORT NUMBER: P731558 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3174.1	4861.4	6812.0	8924.1	11508.1	14352.7	17312.9	20694.5	25183.2	30450.1	35492.3
-25°	2417.5	3827.6	5719.7	7849.8	10230.3	12738.8	15141.7	17898.2	21179.7	24606.6	28137.5
-27.5°	1916.2	2911.6	4465.2	6465.6	8668.2	10632.3	12690.9	14986.2	17855.9	20837.3	22801.9
-30°	1564.0	2146.8	3313.0	4875.9	6716.8	8450.0	10140.3	12203.2	14456.0	16595.8	18332.5
-32.5°	1461.1	1721.8	2325.2	3439.1	4821.7	6368.7	7886.1	9727.6	11476.0	13169.4	14662.6
-35°	1388.4	1555.1	1782.7	2363.8	3196.6	4453.8	5840.2	7398.5	8976.5	10344.4	11610.9
-37.5°	1320.7	1465.3	1616.0	1765.9	2234.7	2810.1	3786.5	5019.0	6216.1	7323.1	8413.2
-40°	1224.0	1382.6	1504.3	1632.5	1771.9	1930.3	2441.3	2944.9	3530.9	4379.8	5123.5
-42.5°	1121.5	1253.6	1392.2	1512.2	1628.9	1750.6	1879.4	2007.5	2275.3	2608.3	2881.1
-45°	1078.6	1158.1	1253.4	1378.7	1495.9	1605.3	1710.1	1811.4	1918.5	2016.2	2096.0
-47.5°	1027.4	1099.7	1176.8	1258.4	1344.5	1450.1	1553.7	1656.9	1750.6	1837.6	1907.1
-50°	980.0	1036.8	1105.7	1175.2	1244.0	1314.9	1386.4	1466.0	1555.5	1643.6	1716.0
-52.5°	941.4	993.4	1042.6	1091.9	1151.7	1211.8	1271.9	1335.3	1396.4	1454.1	1499.2
-55°	847.3	920.6	992.7	1039.2	1079.5	1120.4	1165.9	1222.7	1276.9	1328.2	1358.4
-57.5°	719.3	804.2	882.1	937.0	993.2	1050.2	1097.1	1137.7	1178.7	1217.8	1239.2
-60°	577.0	646.7	717.2	782.7	845.2	904.2	959.0	1012.3	1061.7	1103.2	1128.4
-62.5°	436.1	493.9	551.2	606.0	658.6	709.8	768.2	824.5	878.0	921.7	948.6
-65°	303.6	351.0	395.4	438.0	478.9	522.5	567.9	612.1	654.4	688.0	710.1
-67.5°	206.4	235.7	262.2	287.5	318.5	352.1	385.5	416.4	444.8	466.6	482.1
-70°	137.2	152.8	166.7	183.2	203.5	223.9	244.5	263.6	281.1	294.1	303.9
-72.5°	84.4	95.2	105.3	116.3	126.7	137.4	148.6	159.6	170.2	177.8	183.6
-75°	40.6	45.6	54.5	62.7	70.0	76.8	83.0	88.5	93.2	96.1	98.1
-77.5°	27.6	29.9	32.1	34.4	36.6	39.4	42.2	44.9	47.5	49.4	51.2
-80°	20.0	21.2	22.2	23.1	23.8	25.0	26.3	27.5	28.8	29.3	29.6
-82.5°	13.8	14.8	15.7	16.6	17.5	18.3	19.0	19.8	20.4	21.1	21.7
-85°	9.3	9.8	10.3	10.8	11.4	12.0	12.6	13.2	13.7	13.8	13.9
-87.5°	6.4	6.6	6.7	6.8	6.9	7.4	7.8	8.3	8.7	8.8	8.8
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	0.9



REPORT NUMBER: P731558 (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°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.7
87.5°	1.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3
75°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.6	3.0	3.2	3.2
72.5°	5.1	5.2	4.4	3.5	4.4	5.2	5.1	5.0	4.9	5.0	5.5
70°	5.8	5.4	5.3	5.3	5.3	5.4	5.8	6.2	6.5	6.9	7.6
67.5°	8.1	8.6	8.8	8.8	8.8	8.6	8.1	7.6	7.2	7.5	8.4
65°	9.9	10.4	9.8	8.8	9.8	10.4	9.9	9.2	8.6	8.5	9.1
62.5°	7.4	7.3	7.1	7.1	7.1	7.3	7.4	7.5	7.6	8.1	8.8
60°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.6
57.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
55°	8.0	8.5	8.8	8.8	8.8	8.5	8.0	7.5	7.1	7.3	7.4
52.5°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.5	8.2	8.4	8.6
50°	11.0	10.7	10.6	10.6	10.6	10.7	11.0	11.1	11.0	10.8	10.6
47.5°	13.7	12.9	12.4	12.4	12.4	12.9	13.7	14.3	14.6	14.6	14.0
45°	21.5	21.2	21.0	21.2	21.0	21.2	21.5	21.4	21.9	21.2	19.0
42.5°	35.9	36.4	35.8	33.6	35.8	36.4	35.9	34.6	36.9	36.9	34.9
40°	59.3	57.0	54.0	53.1	54.0	57.0	59.3	59.2	61.6	62.3	61.0
37.5°	110.1	110.0	107.5	106.1	107.5	110.0	110.1	108.7	106.1	93.3	96.9
35°	231.6	229.7	217.1	205.2	217.1	229.7	231.6	239.5	227.7	179.4	205.8
32.5°	601.4	633.3	630.3	612.0	630.3	633.3	601.4	587.3	545.4	506.5	479.6
30°	1279.5	1336.6	1324.5	1248.7	1324.5	1336.6	1279.5	1231.3	1106.0	1032.4	936.8
27.5°	2644.5	2778.2	2896.0	2741.5	2896.0	2778.2	2644.5	2615.7	2070.9	2298.7	1730.8
25°	9046.0	9915.8	10430.5	9630.6	10430.5	9915.8	9046.0	7520.8	5997.4	5925.7	4892.9
22.5°	21589.0	22673.1	23251.6	23582.3	23251.6	22673.1	21589.0	19293.9	16428.8	13480.9	11347.3
20°	39601.6	41919.7	43404.7	40413.3	43404.7	41919.7	39601.6	35406.3	31072.4	24937.6	20518.0
17.5°	67091.9	75641.4	80142.7	82588.3	80142.7	75641.4	67091.9	57250.3	50156.0	40985.4	32051.7
15°	101856.1	112795.1	120182.1	123074.2	120182.1	112795.1	101856.1	88845.8	71987.6	58046.4	44760.9
12.5°	134726.1	146013.5	152829.1	154542.3	152829.1	146013.5	134726.1	117581.5	95929.1	74979.7	57379.7
10°	158105.4	168740.8	176581.1	179333.4	176581.1	168740.8	158105.4	142504.5	117778.9	93048.3	66967.8
7.5°	171120.8	183552.8	190463.0	192183.2	190463.0	183552.8	171120.8	154942.0	132167.9	105410.3	77854.0
5°	178611.5	189844.0	197397.6	198313.5	197397.6	189844.0	178611.5	162349.8	140678.3	114380.7	84974.5
2.5°	183441.3	194426.3	200781.7	202649.5	200781.7	194426.3	183441.3	166818.8	146125.5	120162.9	88795.8
0°	184626.4	194726.6	202404.5	204794.1	202404.5	194726.6	184626.4	169143.9	148791.3	122225.2	90468.0
-2.5°	181037.9	190781.5	195896.0	196725.2	195896.0	190781.5	181037.9	165802.0	145332.6	120477.6	89620.6
-5°	171874.1	179080.2	184984.5	185739.7	184984.5	179080.2	171874.1	156538.9	137277.2	112464.3	83460.2
-7.5°	152408.6	160492.3	163757.9	164641.7	163757.9	160492.3	152408.6	140843.0	123460.3	100565.6	74235.5
-10°	131697.7	138622.9	140936.3	142185.1	140936.3	138622.9	131697.7	120931.1	104495.5	83910.4	61328.7
-12.5°	111421.7	118193.4	120468.8	122276.5	120468.8	118193.4	111421.7	99514.5	84551.6	66233.7	50532.6
-15°	88704.0	95372.4	99048.6	101083.8	99048.6	95372.4	88704.0	77070.6	63494.5	50983.1	39328.5
-17.5°	66563.3	72896.2	77175.0	79664.6	77175.0	72896.2	66563.3	56164.8	47971.3	39047.3	30612.7
-20°	50470.7	54756.9	58049.7	60003.6	58049.7	54756.9	50470.7	44518.6	37955.0	31104.5	24849.7



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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°	39425.2	42393.7	44301.3	45549.7	44301.3	42393.7	39425.2	35492.3	30450.1	25183.2	20694.5
-25°	30813.1	32761.4	33995.0	35004.6	33995.0	32761.4	30813.1	28137.5	24606.6	21179.7	17898.2
-27.5°	24397.5	25442.0	25987.3	26728.8	25987.3	25442.0	24397.5	22801.9	20837.3	17855.9	14986.2
-30°	19613.1	20414.7	20848.0	21008.8	20848.0	20414.7	19613.1	18332.5	16595.8	14456.0	12203.2
-32.5°	15785.3	16542.5	17089.3	17345.8	17089.3	16542.5	15785.3	14662.6	13169.4	11476.0	9727.6
-35°	12593.6	13225.3	13656.4	13893.2	13656.4	13225.3	12593.6	11610.9	10344.4	8976.5	7398.5
-37.5°	9316.0	10009.1	10483.6	10645.9	10483.6	10009.1	9316.0	8413.2	7323.1	6216.1	5019.0
-40°	5715.7	6157.2	6442.1	6561.9	6442.1	6157.2	5715.7	5123.5	4379.8	3530.9	2944.9
-42.5°	3093.8	3255.8	3368.4	3433.1	3368.4	3255.8	3093.8	2881.1	2608.3	2275.3	2007.5
-45°	2147.6	2188.7	2214.7	2225.0	2214.7	2188.7	2147.6	2096.0	2016.2	1918.5	1811.4
-47.5°	1957.9	2002.2	2025.8	2026.9	2025.8	2002.2	1957.9	1907.1	1837.6	1750.6	1656.9
-50°	1773.4	1821.6	1846.0	1848.3	1846.0	1821.6	1773.4	1716.0	1643.6	1555.5	1466.0
-52.5°	1540.2	1578.5	1595.1	1593.6	1595.1	1578.5	1540.2	1499.2	1454.1	1396.4	1335.3
-55°	1384.6	1407.4	1417.5	1418.5	1417.5	1407.4	1384.6	1358.4	1328.2	1276.9	1222.7
-57.5°	1258.4	1275.2	1281.2	1280.5	1281.2	1275.2	1258.4	1239.2	1217.8	1178.7	1137.7
-60°	1150.3	1168.6	1173.7	1170.9	1173.7	1168.6	1150.3	1128.4	1103.2	1061.7	1012.3
-62.5°	970.5	987.3	995.7	997.6	995.7	987.3	970.5	948.6	921.7	878.0	824.5
-65°	727.4	740.0	746.7	748.2	746.7	740.0	727.4	710.1	688.0	654.4	612.1
-67.5°	494.1	502.6	505.3	504.1	505.3	502.6	494.1	482.1	466.6	444.8	416.4
-70°	311.8	317.8	319.3	318.4	319.3	317.8	311.8	303.9	294.1	281.1	263.6
-72.5°	188.4	192.0	192.2	191.0	192.2	192.0	188.4	183.6	177.8	170.2	159.6
-75°	99.3	99.8	99.7	99.0	99.7	99.8	99.3	98.1	96.1	93.2	88.5
-77.5°	52.8	54.3	53.9	53.1	53.9	54.3	52.8	51.2	49.4	47.5	44.9
-80°	29.8	30.0	30.1	30.1	30.1	30.0	29.8	29.6	29.3	28.8	27.5
-82.5°	22.3	22.9	22.1	21.2	22.1	22.9	22.3	21.7	21.1	20.4	19.8
-85°	14.0	14.1	14.1	14.1	14.1	14.1	14.0	13.9	13.8	13.7	13.2
-87.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.3
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.2	5.8	5.3	4.9	4.4	4.0	3.5	3.5	3.5	3.5	3.5
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	2.1	2.3	2.5	2.6	2.4	2.3	2.2	2.0
80°	2.5	2.7	2.9	2.9	3.1	3.3	3.5	3.5	3.5	3.4	3.1
77.5°	2.7	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4
75°	3.2	3.4	3.6	3.9	3.9	3.6	3.5	3.5	3.5	3.5	3.4
72.5°	5.7	5.7	5.7	5.9	6.0	6.3	6.4	6.1	5.4	4.3	3.5
70°	8.4	9.0	10.1	11.2	11.6	11.6	11.3	10.7	10.0	9.3	7.4
67.5°	9.4	10.3	12.5	15.0	16.6	17.5	17.4	16.5	15.4	14.5	11.7
65°	9.7	10.5	13.4	16.5	19.3	22.0	24.2	24.3	23.1	20.7	15.9
62.5°	9.6	10.4	13.1	16.0	19.4	24.1	29.9	32.4	32.6	28.5	22.1
60°	8.1	9.2	11.7	14.4	17.4	24.3	33.0	39.6	44.0	37.5	28.5
57.5°	7.1	7.9	10.0	12.4	15.2	22.9	33.0	44.5	51.9	43.2	34.9
55°	7.2	7.8	9.1	10.7	13.0	20.0	29.4	40.5	48.4	45.1	36.1
52.5°	8.7	8.9	9.3	10.0	12.1	16.6	23.0	33.4	38.9	37.3	33.9
50°	10.4	10.4	10.4	10.4	11.6	13.7	18.3	25.5	28.1	29.4	27.8
47.5°	13.9	13.6	12.5	12.1	13.1	12.9	15.3	18.4	21.9	22.2	22.3
45°	20.6	20.8	18.3	18.5	18.8	18.2	15.7	18.1	19.7	20.4	18.0
42.5°	35.5	34.4	32.5	31.0	29.7	28.2	26.0	24.8	23.0	21.9	21.9
40°	57.5	54.2	52.8	49.2	45.2	41.9	44.0	38.6	33.6	27.9	31.0
37.5°	91.1	76.8	86.5	78.2	69.3	69.0	72.1	63.5	49.7	53.5	51.7
35°	171.8	154.5	162.4	146.4	114.1	132.4	119.7	101.3	90.8	98.0	85.7
32.5°	395.6	382.3	329.7	289.6	262.4	243.3	212.9	163.4	170.2	166.1	141.9
30°	891.1	841.2	659.7	621.5	592.0	433.8	347.9	322.0	296.3	253.0	213.3
27.5°	2113.6	1771.7	1464.6	1485.9	1194.6	863.8	632.1	519.0	455.6	382.0	309.4
25°	5041.1	4258.3	3632.4	3264.0	2492.1	1694.4	1183.7	849.1	656.8	541.8	446.2
22.5°	9928.2	8574.5	7165.8	5892.9	4580.7	3360.8	2251.2	1281.0	878.6	723.7	607.0
20°	16207.5	13662.1	11471.2	9316.7	7285.0	5314.7	3683.3	2118.0	1235.3	910.9	764.6
17.5°	24686.5	19421.2	15779.5	12767.5	10250.2	7831.7	5235.0	3039.6	1571.0	1092.3	915.1
15°	33851.5	25582.0	20115.6	16370.1	13014.1	9528.0	6590.5	3914.4	2018.5	1331.9	1061.7
12.5°	42636.7	31917.4	24093.4	19003.7	14758.8	10970.4	7902.1	5027.4	2697.3	1548.2	1151.8
10°	49561.7	37105.2	27495.7	21283.5	16503.0	12286.6	8919.9	5804.6	3131.7	1717.6	1227.6
7.5°	55942.9	41039.7	30219.5	22986.1	17968.9	13502.6	9715.3	6347.8	3407.5	1861.3	1290.1
5°	59951.1	43902.5	32180.3	23945.7	18962.1	14502.5	10422.2	6723.2	3542.3	1976.9	1340.3
2.5°	62064.9	45482.8	33442.5	24426.4	19507.6	15156.3	10979.1	6983.3	3623.8	2024.8	1359.1
0°	63714.4	46198.8	33538.4	24528.5	19599.1	15272.8	11316.2	7110.2	3647.1	2032.3	1369.0
-2.5°	62387.6	45527.7	33222.1	24228.5	19302.5	15011.7	11195.4	7304.0	3756.1	2062.0	1376.7
-5°	58626.7	42978.5	31123.6	22776.4	18141.7	14157.4	10593.6	7059.5	3718.2	2044.8	1374.8
-7.5°	53102.4	38842.8	28130.3	20912.1	16621.3	12963.4	9644.8	6395.6	3479.1	1937.5	1335.6
-10°	45192.0	33284.2	24191.1	18548.8	14748.5	11579.2	8583.3	5626.3	3143.1	1799.2	1288.0
-12.5°	37442.5	27430.9	20017.8	15741.4	12464.1	9799.9	7307.4	4756.6	2710.4	1631.7	1232.8
-15°	28921.9	21725.6	17003.4	13356.1	10282.0	8076.8	5981.4	3791.2	2188.4	1443.9	1170.5
-17.5°	23520.7	17570.5	14284.5	11504.7	8915.5	6577.3	4803.2	3118.2	1867.3	1311.5	1125.3
-20°	19461.5	15806.3	12646.5	10092.3	7840.5	5740.0	3858.4	2450.6	1626.9	1257.4	1093.5



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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°	17312.9	14352.7	11508.1	8924.1	6812.0	4861.4	3174.1	1940.9	1370.1	1201.2	1055.4
-25°	15141.7	12738.8	10230.3	7849.8	5719.7	3827.6	2417.5	1672.4	1311.3	1148.7	1010.5
-27.5°	12690.9	10632.3	8668.2	6465.6	4465.2	2911.6	1916.2	1424.7	1259.6	1108.5	957.8
-30°	10140.3	8450.0	6716.8	4875.9	3313.0	2146.8	1564.0	1360.9	1208.8	1062.3	909.7
-32.5°	7886.1	6368.7	4821.7	3439.1	2325.2	1721.8	1461.1	1294.3	1154.6	1003.5	882.8
-35°	5840.2	4453.8	3196.6	2363.8	1782.7	1555.1	1388.4	1239.3	1084.0	946.8	857.9
-37.5°	3786.5	2810.1	2234.7	1765.9	1616.0	1465.3	1320.7	1162.8	1007.7	913.1	830.5
-40°	2441.3	1930.3	1771.9	1632.5	1504.3	1382.6	1224.0	1069.3	973.0	876.7	800.4
-42.5°	1879.4	1750.6	1628.9	1512.2	1392.2	1253.6	1121.5	1030.8	938.7	849.0	781.5
-45°	1710.1	1605.3	1495.9	1378.7	1253.4	1158.1	1078.6	992.0	904.6	832.6	768.0
-47.5°	1553.7	1450.1	1344.5	1258.4	1176.8	1099.7	1027.4	952.3	883.7	814.7	716.1
-50°	1386.4	1314.9	1244.0	1175.2	1105.7	1036.8	980.0	927.9	848.3	752.2	652.9
-52.5°	1271.9	1211.8	1151.7	1091.9	1042.6	993.4	941.4	861.9	774.4	672.4	570.0
-55°	1165.9	1120.4	1079.5	1039.2	992.7	920.6	847.3	765.1	672.6	574.9	482.1
-57.5°	1097.1	1050.2	993.2	937.0	882.1	804.2	719.3	637.5	560.2	473.6	390.2
-60°	959.0	904.2	845.2	782.7	717.2	646.7	577.0	508.2	440.7	370.9	301.5
-62.5°	768.2	709.8	658.6	606.0	551.2	493.9	436.1	380.7	324.8	268.1	222.1
-65°	567.9	522.5	478.9	438.0	395.4	351.0	303.6	263.6	227.8	190.3	152.8
-67.5°	385.5	352.1	318.5	287.5	262.2	235.7	206.4	175.6	152.7	133.6	113.1
-70°	244.5	223.9	203.5	183.2	166.7	152.8	137.2	121.0	105.1	90.0	74.3
-72.5°	148.6	137.4	126.7	116.3	105.3	95.2	84.4	72.7	60.6	48.1	39.1
-75°	83.0	76.8	70.0	62.7	54.5	45.6	40.6	37.5	34.2	30.5	26.7
-77.5°	42.2	39.4	36.6	34.4	32.1	29.9	27.6	25.0	23.1	21.2	19.5
-80°	26.3	25.0	23.8	23.1	22.2	21.2	20.0	18.6	17.2	15.9	14.9
-82.5°	19.0	18.3	17.5	16.6	15.7	14.8	13.8	13.1	12.4	11.8	11.2
-85°	12.6	12.0	11.4	10.8	10.3	9.8	9.3	9.0	8.5	8.0	7.5
-87.5°	7.8	7.4	6.9	6.8	6.7	6.6	6.4	6.0	5.6	5.2	4.8
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
80°	2.6	2.2	2.0	1.8	1.9	1.8	1.8	1.8	2.1	2.1	2.1
77.5°	3.0	2.5	2.1	1.9	2.2	2.3	2.2	2.0	2.3	2.4	2.5
75°	2.9	2.5	2.1	2.0	2.4	2.8	2.9	2.7	2.7	2.8	2.9
72.5°	3.3	2.9	2.3	2.0	2.4	2.8	3.3	3.4	3.1	3.1	3.2
70°	5.4	3.9	3.2	2.8	2.7	2.9	3.3	3.5	3.5	3.3	3.3
67.5°	8.9	6.7	4.9	3.7	3.3	3.2	3.4	3.5	3.5	3.5	3.4
65°	12.7	9.6	6.9	5.1	3.9	3.4	3.5	3.5	3.5	3.5	3.5
62.5°	16.8	12.8	9.6	6.6	4.7	3.8	3.5	3.5	3.5	3.5	3.5
60°	21.2	15.9	12.1	8.8	5.9	3.9	3.5	3.5	3.5	3.5	3.5
57.5°	25.9	18.7	14.4	10.9	7.6	4.7	3.5	3.5	3.5	3.5	3.5
55°	29.0	21.9	16.8	12.6	9.2	6.0	4.0	3.5	3.5	3.5	3.5
52.5°	27.6	23.7	19.6	14.5	10.5	7.4	5.4	3.5	3.5	3.5	3.5
50°	23.9	23.4	21.1	16.7	11.8	8.9	6.8	4.6	3.5	3.5	3.5
47.5°	21.5	22.4	21.3	18.3	13.5	10.6	8.2	5.8	3.5	3.5	3.5
45°	20.4	20.8	21.1	18.9	15.5	12.5	9.8	6.9	4.5	3.6	3.5
42.5°	21.1	21.3	20.2	19.7	17.4	14.3	11.4	8.4	5.5	3.7	3.6
40°	28.6	23.8	20.6	21.1	19.5	16.0	13.0	9.9	6.5	4.1	3.7
37.5°	39.3	31.5	24.3	26.4	22.8	18.2	14.3	11.4	7.6	5.0	3.9
35°	65.9	44.1	40.7	38.6	30.2	20.7	15.5	12.8	9.0	5.9	4.1
32.5°	100.2	77.3	73.2	58.7	40.4	23.4	17.3	14.0	10.3	6.7	4.3
30°	165.7	145.6	116.5	84.0	55.6	32.9	20.4	15.6	11.6	7.5	4.7
27.5°	272.7	227.4	173.0	124.0	79.9	45.2	24.9	17.4	12.8	8.4	5.4
25°	389.9	327.0	251.8	174.1	107.8	70.2	30.3	19.5	14.1	9.3	6.0
22.5°	519.6	434.6	339.5	230.3	154.3	102.3	43.4	23.6	15.6	10.3	6.6
20°	654.6	546.9	430.0	288.2	207.3	142.4	66.8	28.1	17.2	11.1	7.1
17.5°	794.0	646.1	497.4	352.1	258.3	184.3	93.8	32.9	18.9	11.8	7.6
15°	888.3	723.1	561.3	410.5	304.4	227.4	123.4	37.9	20.6	12.5	8.2
12.5°	964.0	796.3	621.3	463.5	345.9	271.0	154.7	42.9	22.3	13.7	8.9
10°	1031.6	865.0	677.0	511.1	383.4	314.3	186.7	48.1	25.3	15.3	9.7
7.5°	1091.3	928.4	727.9	553.5	414.0	345.1	207.1	53.6	28.5	16.8	10.4
5°	1137.6	974.7	761.3	572.6	424.0	360.8	222.6	58.6	31.5	18.4	11.1
2.5°	1151.4	996.3	781.7	584.1	432.2	373.1	234.3	63.2	34.4	19.8	11.8
0°	1158.5	1009.9	795.9	590.8	438.6	382.0	242.3	67.2	37.1	21.2	12.4
-2.5°	1164.5	1014.2	803.4	602.7	451.9	389.0	255.6	86.6	50.1	28.5	15.7
-5°	1164.5	1011.1	804.5	610.0	463.1	393.1	265.3	105.1	62.5	35.5	18.9
-7.5°	1140.8	988.9	793.8	612.5	472.0	394.9	272.0	122.2	74.1	42.0	21.8
-10°	1107.3	952.9	770.3	608.8	483.2	400.7	276.8	137.7	84.5	47.7	24.5
-12.5°	1068.4	911.6	745.7	603.3	494.1	410.1	284.2	151.4	93.4	52.7	26.9
-15°	1024.4	865.8	721.6	597.0	504.2	417.8	287.9	162.7	100.3	56.7	28.9
-17.5°	980.3	816.0	699.3	590.5	513.8	424.3	288.0	171.0	105.5	59.7	30.8
-20°	944.4	785.1	680.8	584.7	523.1	429.7	284.4	176.1	108.7	61.6	32.4



REPORT NUMBER: P731558 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	903.3	772.3	674.1	589.3	529.1	434.3	277.0	177.7	109.9	62.3	33.5
-25°	859.0	758.6	666.9	594.1	529.9	422.7	272.2	175.5	108.8	61.6	34.0
-27.5°	833.4	745.3	658.1	595.2	520.2	406.7	269.0	173.9	106.5	59.6	33.8
-30°	816.1	733.0	654.5	589.8	506.7	377.6	260.7	169.5	103.9	58.2	32.9
-32.5°	798.5	719.4	648.7	572.0	476.8	347.1	244.1	161.8	99.4	57.1	32.2
-35°	778.2	706.0	637.2	549.7	440.0	323.5	224.9	151.0	93.0	55.0	31.1
-37.5°	754.9	692.0	608.7	516.8	402.2	296.0	207.1	137.6	84.4	51.9	29.4
-40°	739.9	669.0	577.6	474.6	366.7	264.8	185.9	124.1	78.4	47.7	27.1
-42.5°	722.5	630.6	533.2	431.3	328.5	237.7	162.3	108.6	71.5	43.9	24.3
-45°	675.7	582.4	480.8	382.7	287.5	207.0	142.9	92.5	63.6	39.9	21.6
-47.5°	620.3	520.3	423.8	330.2	249.1	175.4	121.1	82.6	55.0	35.1	19.6
-50°	547.7	453.6	362.6	281.1	206.4	148.5	100.3	71.9	47.8	29.0	17.3
-52.5°	472.8	382.9	303.8	231.3	171.1	119.1	87.1	60.4	39.9	24.5	14.6
-55°	393.0	315.8	246.3	187.1	135.6	99.8	72.8	50.3	31.3	20.8	11.9
-57.5°	316.9	249.9	195.2	145.0	109.0	82.4	59.2	39.3	25.7	16.9	11.3
-60°	240.9	192.9	145.9	114.1	88.0	65.2	45.4	29.6	21.1	13.5	10.6
-62.5°	177.8	139.5	114.0	88.9	67.4	48.3	32.2	24.1	16.2	12.4	9.7
-65°	129.5	106.7	84.7	65.6	47.5	33.4	25.8	18.4	14.1	11.3	8.9
-67.5°	92.8	75.1	58.7	42.4	33.0	25.8	19.1	15.4	12.6	10.1	8.0
-70°	58.9	44.7	37.0	30.6	24.0	18.6	16.1	13.6	11.1	9.1	7.1
-72.5°	35.0	30.5	25.6	20.6	18.4	16.2	13.9	11.7	9.9	8.0	6.2
-75°	22.9	20.9	19.4	17.8	15.8	13.7	11.9	10.4	8.7	6.9	5.5
-77.5°	18.3	17.1	16.1	14.7	12.8	11.3	10.1	9.0	7.5	6.1	4.9
-80°	14.1	13.2	12.0	10.8	9.7	8.8	8.2	7.6	6.4	5.3	4.3
-82.5°	10.2	9.3	8.5	7.8	7.4	7.0	6.6	6.2	5.3	4.4	3.9
-85°	7.0	6.5	6.2	5.8	5.6	5.3	5.2	5.0	4.5	4.1	3.8
-87.5°	4.7	4.7	4.6	4.5	4.5	4.4	4.3	4.3	4.0	3.8	3.6
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	1.8	1.9	1.9	2.0	1.9	2.7	3.5
85°	1.8	2.0	2.1	2.1	2.1	2.7	3.5
82.5°	1.8	2.1	2.2	2.3	2.3	2.8	3.5
80°	1.9	2.2	2.4	2.5	2.4	2.8	3.5
77.5°	2.3	2.4	2.6	2.6	2.6	2.8	3.5
75°	2.8	2.6	2.7	2.8	2.7	2.9	3.5
72.5°	3.2	2.9	2.9	3.0	2.9	2.9	3.5
70°	3.5	3.2	3.0	3.2	3.0	3.0	3.5
67.5°	3.5	3.4	3.2	3.2	3.1	3.0	3.5
65°	3.5	3.5	3.3	3.3	3.3	3.1	3.5
62.5°	3.5	3.5	3.4	3.3	3.4	3.1	3.5
60°	3.5	3.5	3.5	3.4	3.5	3.1	3.5
57.5°	3.5	3.5	3.5	3.4	3.5	3.2	3.5
55°	3.5	3.5	3.5	3.4	3.5	3.2	3.5
52.5°	3.5	3.5	3.5	3.5	3.5	3.2	3.5
50°	3.5	3.5	3.5	3.5	3.5	3.3	3.5
47.5°	3.5	3.5	3.5	3.5	3.5	3.3	3.5
45°	3.5	3.5	3.5	3.5	3.5	3.3	3.5
42.5°	3.5	3.5	3.5	3.5	3.5	3.3	3.5
40°	3.5	3.5	3.5	3.5	3.5	3.4	3.5
37.5°	3.5	3.5	3.5	3.5	3.5	3.4	3.5
35°	3.5	3.5	3.5	3.5	3.5	3.4	3.5
32.5°	3.6	3.5	3.5	3.5	3.5	3.4	3.5
30°	3.7	3.5	3.5	3.5	3.5	3.4	3.5
27.5°	3.9	3.5	3.5	3.5	3.5	3.5	3.5
25°	4.2	3.5	3.5	3.5	3.5	3.5	3.5
22.5°	4.4	3.5	3.5	3.5	3.5	3.5	3.5
20°	4.6	3.7	3.5	3.5	3.5	3.5	3.5
17.5°	4.9	3.8	3.5	3.5	3.5	3.5	3.5
15°	5.3	4.0	3.5	3.5	3.5	3.5	3.5
12.5°	5.6	4.2	3.5	3.5	3.5	3.5	3.5
10°	6.0	4.4	3.5	3.5	3.5	3.5	3.5
7.5°	6.3	4.7	3.5	3.5	3.5	3.5	3.5
5°	6.6	4.9	3.5	3.5	3.5	3.5	3.5
2.5°	6.8	5.1	3.5	3.5	3.5	3.5	3.5
0°	7.1	5.3	3.5	3.5	3.5	3.5	3.5
-2.5°	8.7	5.9	3.7	3.5	3.5	3.5	3.5
-5°	10.3	6.4	3.8	3.5	3.5	3.5	3.5
-7.5°	11.8	6.9	4.0	3.5	3.5	3.5	3.5
-10°	13.2	7.4	4.1	3.5	3.5	3.5	3.5
-12.5°	14.4	7.8	4.2	3.5	3.5	3.5	3.5
-15°	15.4	8.1	4.3	3.5	3.5	3.5	3.5
-17.5°	16.2	8.3	4.4	3.5	3.5	3.5	3.5
-20°	16.8	8.4	4.4	3.5	3.5	3.5	3.5



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.4	8.4	4.5	3.5	3.5	3.5	3.5
-25°	17.7	8.5	4.5	3.5	3.5	3.5	3.5
-27.5°	17.6	8.5	4.4	3.5	3.5	3.5	3.5
-30°	17.2	8.3	4.4	3.5	3.5	3.5	3.5
-32.5°	16.3	8.0	4.4	3.5	3.5	3.5	3.5
-35°	15.7	7.5	4.4	3.5	3.5	3.5	3.5
-37.5°	15.0	7.1	4.4	3.5	3.5	3.5	3.5
-40°	14.1	7.1	4.4	3.5	3.5	3.5	3.5
-42.5°	13.0	7.0	4.4	3.5	3.5	3.5	3.5
-45°	11.6	6.9	4.5	3.6	3.5	3.5	3.5
-47.5°	10.0	6.7	4.5	3.6	3.5	3.5	3.5
-50°	9.5	6.5	4.5	3.6	3.5	3.5	3.5
-52.5°	9.1	6.2	4.5	3.6	3.5	3.5	3.5
-55°	8.7	6.0	4.4	3.6	3.5	3.5	3.5
-57.5°	8.2	5.8	4.3	3.6	3.5	3.5	3.5
-60°	7.7	5.6	4.2	3.6	3.5	3.5	3.5
-62.5°	7.2	5.2	4.1	3.6	3.5	3.5	3.5
-65°	6.6	4.9	4.0	3.6	3.5	3.5	3.5
-67.5°	6.0	4.6	3.9	3.6	3.5	3.5	3.5
-70°	5.2	4.4	3.8	3.5	3.5	3.5	3.5
-72.5°	4.8	4.1	3.7	3.5	3.5	3.5	3.5
-75°	4.4	3.9	3.5	3.5	3.5	3.5	3.5
-77.5°	4.0	3.6	3.5	3.5	3.5	3.5	3.5
-80°	3.6	3.5	3.5	3.5	3.5	3.5	3.5
-82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-90°	1.8	1.8	1.8	1.8	1.8	2.7	3.5

(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

