

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: P731486 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-4S-CV1**

Issue Date: 11/16/2023

Test Information

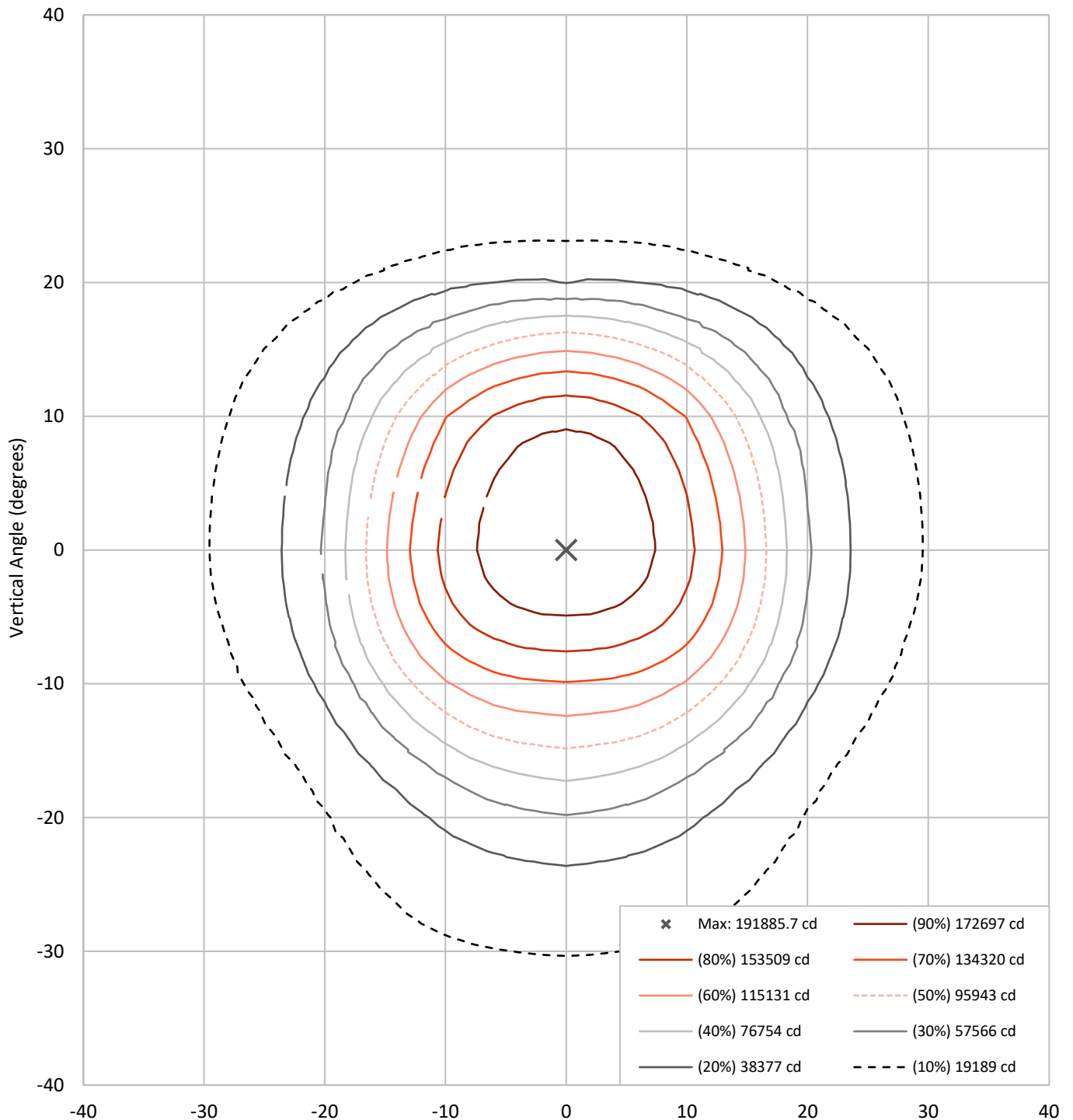
Test Method: LM-79-08
Report Number: P731486 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-80-4S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 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:	65379.4 lumens	Max Intensity:	191885.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	116.8 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:	35732.4 lumens	Field Lumens:	57576.5 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





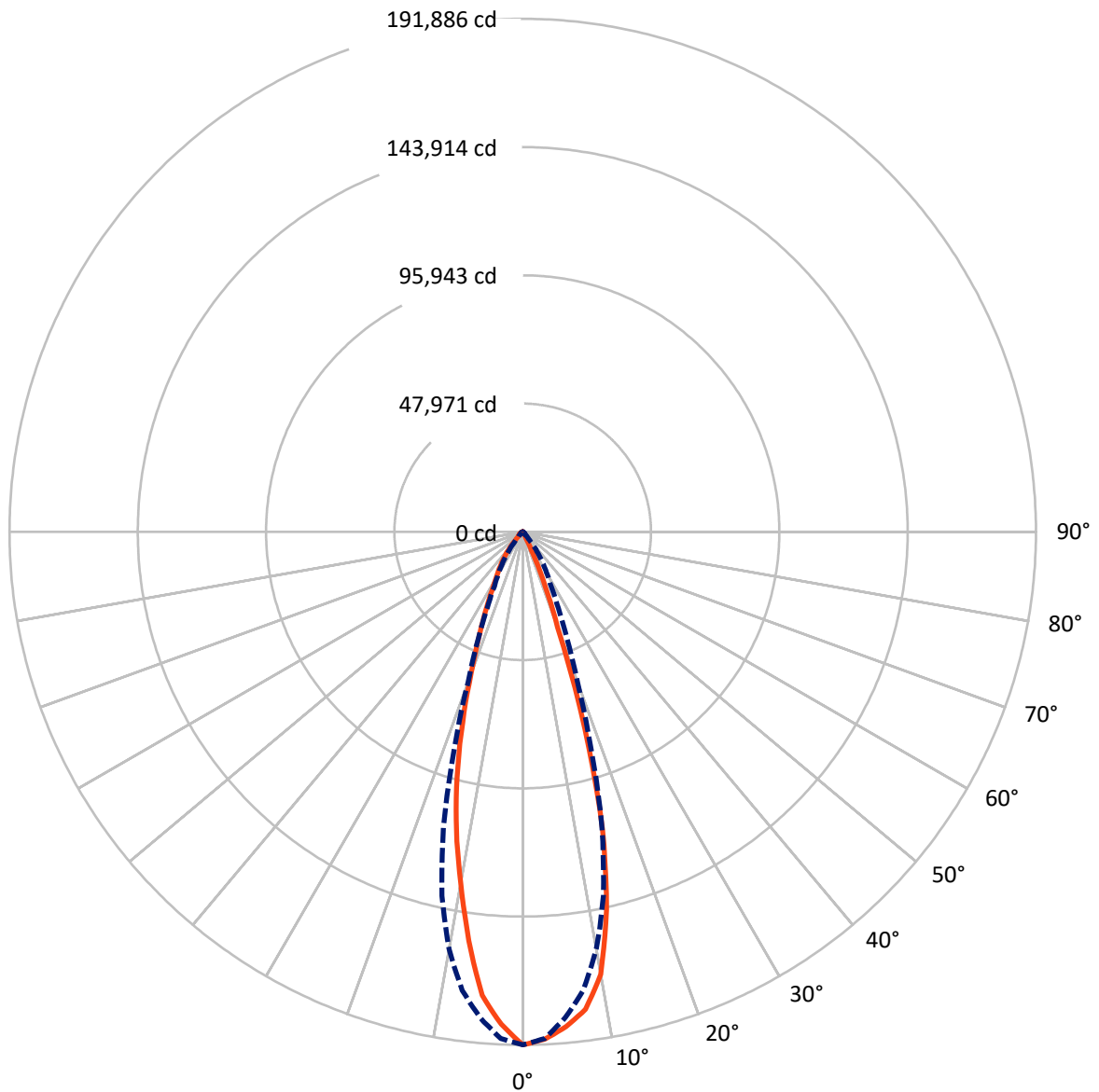
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Lumen Table

90																
80	0.0	0.1		0.3		0.4		0.3		0.4		0.3		0.1		0.0
70																
60	0.1	0.0	0.1	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.1	0.0	0.1
50		0.1	0.2	0.7	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.7	0.7	0.2	0.1	
40	0.1	0.1	0.3	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.3	0.1	0.1
30		0.2	0.7	1.9	3.5	6.1	9.4	11.5	11.5	9.4	6.1	3.5	1.9	0.7	0.2	
20	0.1	0.4	3.2	9.8	38.8	121.2	242.6	394.0	394.0	242.6	121.2	38.8	9.8	3.2	0.4	0.1
10		1.0	7.3	23.7	160.4	547.8	1634.9	3048.1	3048.1	1634.9	547.8	160.4	23.7	7.3	1.0	
0	0.2	1.6	10.0	33.9	249.9	890.1	3052.2	5227.8	5227.8	3052.2	890.1	249.9	33.9	10.0	1.6	0.2
-10		2.1	10.7	34.8	246.7	858.6	2954.2	4866.2	4866.2	2954.2	858.6	246.7	34.8	10.7	2.1	
-20	0.4	2.5	10.2	26.8	146.7	485.1	1490.8	2657.5	2657.5	1490.8	485.1	146.7	26.8	10.2	2.5	0.4
-30		2.5	9.8	20.7	69.1	263.0	605.8	966.5	966.5	605.8	263.0	69.1	20.7	9.8	2.5	
-40	0.3	2.1	8.8	17.7	34.1	97.7	244.6	371.6	371.6	244.6	97.7	34.1	17.7	8.8	2.1	0.3
-50		1.3	6.4	15.1	25.5	38.9	59.2	80.3	80.3	59.2	38.9	25.5	15.1	6.4	1.3	
-60	0.2	0.7	3.3	9.8	19.1	27.6	35.4	40.6	40.6	35.4	27.6	19.1	9.8	3.3	0.7	0.2
-70		0.3	1.2	3.5	7.7	12.8	18.1	21.0	21.0	18.1	12.8	7.7	3.5	1.2	0.3	
-80																
-90	0.1	0.6		2.4		6.1		8.2		6.1		2.4		0.6		0.1

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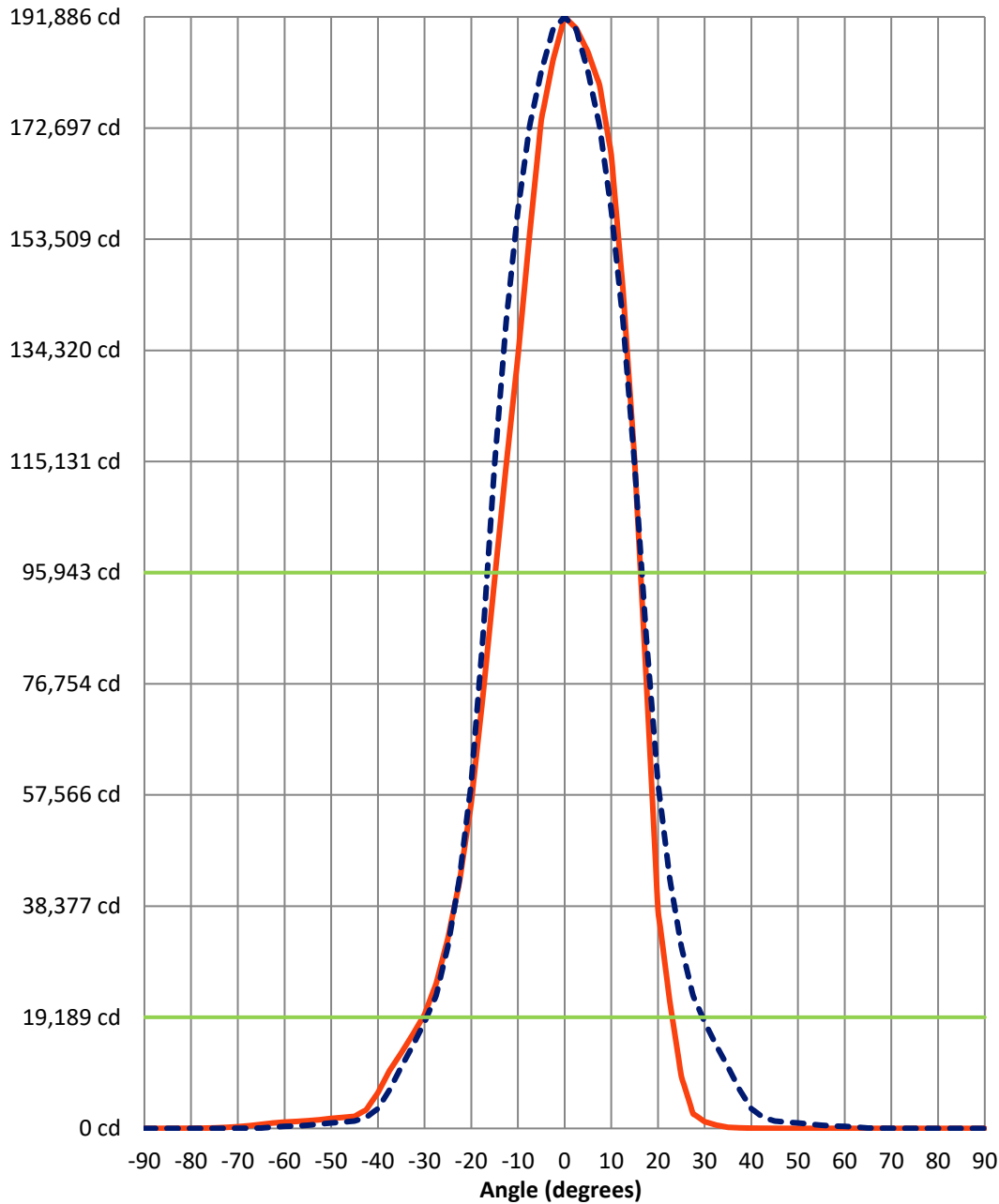
Luminous Intensity Polar Plot



— 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: 35732.4
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 57576.5
 Efficiency: 88.1%

Spill:
 Lumens: 7802.9
 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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	3.3	2.5	1.8	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7
85°	3.3	2.6	2.0	2.0	2.0	1.9	1.7	1.7	1.7	1.7	1.7
82.5°	3.3	2.6	2.1	2.2	2.1	2.0	1.7	1.7	1.7	1.8	1.7
80°	3.3	2.6	2.3	2.3	2.3	2.1	1.8	1.9	2.0	1.9	1.7
77.5°	3.3	2.7	2.4	2.5	2.4	2.2	2.2	2.3	2.3	2.1	1.9
75°	3.3	2.7	2.6	2.7	2.6	2.5	2.6	2.7	2.6	2.5	2.6
72.5°	3.3	2.8	2.7	2.8	2.7	2.7	3.0	3.0	2.9	2.9	3.2
70°	3.3	2.8	2.8	3.0	2.8	3.0	3.3	3.1	3.1	3.3	3.3
67.5°	3.3	2.8	3.0	3.0	3.0	3.2	3.3	3.2	3.3	3.3	3.3
65°	3.3	2.9	3.1	3.1	3.1	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	2.9	3.2	3.1	3.2	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.0	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.0	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
55°	3.3	3.0	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
52.5°	3.3	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
50°	3.3	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.3
47.5°	3.3	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.4
45°	3.3	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.4	4.2	6.5
42.5°	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.5	5.1	7.8
40°	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.5	3.9	6.0	9.2
37.5°	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.7	4.7	7.1	10.7
35°	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.9	5.5	8.4	11.9
32.5°	3.3	3.2	3.3	3.3	3.3	3.3	3.4	4.1	6.3	9.7	13.1
30°	3.3	3.2	3.3	3.3	3.3	3.3	3.5	4.5	7.0	10.9	14.6
27.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.7	5.1	7.8	12.0	16.3
25°	3.3	3.3	3.3	3.3	3.3	3.3	3.9	5.6	8.8	13.2	18.2
22.5°	3.3	3.3	3.3	3.3	3.3	3.3	4.1	6.2	9.6	14.7	22.1
20°	3.3	3.3	3.3	3.3	3.3	3.5	4.3	6.7	10.4	16.2	26.4
17.5°	3.3	3.3	3.3	3.3	3.3	3.6	4.6	7.1	11.2	17.7	30.9
15°	3.3	3.3	3.3	3.3	3.3	3.8	5.0	7.7	11.8	19.3	35.5
12.5°	3.3	3.3	3.3	3.3	3.3	4.0	5.3	8.4	12.9	20.9	40.2
10°	3.3	3.3	3.3	3.3	3.3	4.2	5.6	9.1	14.4	23.7	45.1
7.5°	3.3	3.3	3.3	3.3	3.3	4.4	5.9	9.8	15.8	26.7	50.3
5°	3.3	3.3	3.3	3.3	3.3	4.6	6.1	10.4	17.3	29.5	55.0
2.5°	3.3	3.3	3.3	3.3	3.3	4.8	6.4	11.0	18.6	32.3	59.2
0°	3.3	3.3	3.3	3.3	3.3	5.0	6.6	11.6	19.9	34.8	63.0
-2.5°	3.3	3.3	3.3	3.3	3.4	5.5	8.1	14.7	26.7	47.0	81.2
-5°	3.3	3.3	3.3	3.3	3.6	6.0	9.6	17.7	33.3	58.6	98.5
-7.5°	3.3	3.3	3.3	3.3	3.7	6.5	11.0	20.4	39.3	69.5	114.5
-10°	3.3	3.3	3.3	3.3	3.9	6.9	12.3	23.0	44.7	79.2	129.1
-12.5°	3.3	3.3	3.3	3.3	4.0	7.3	13.4	25.2	49.3	87.6	141.9
-15°	3.3	3.3	3.3	3.3	4.1	7.6	14.4	27.0	53.1	94.0	152.5
-17.5°	3.3	3.3	3.3	3.3	4.1	7.8	15.1	28.8	55.9	98.8	160.3
-20°	3.3	3.3	3.3	3.3	4.2	7.9	15.7	30.4	57.7	101.9	165.0



REPORT NUMBER: P731486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-4S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.3	3.3	3.3	3.3	4.2	7.9	16.3	31.4	58.4	102.9	166.5
-25°	3.3	3.3	3.3	3.3	4.2	8.0	16.6	31.8	57.7	102.0	164.5
-27.5°	3.3	3.3	3.3	3.3	4.2	8.0	16.5	31.6	55.8	99.7	163.0
-30°	3.3	3.3	3.3	3.3	4.1	7.8	16.1	30.8	54.5	97.3	158.8
-32.5°	3.3	3.3	3.3	3.3	4.2	7.5	15.3	30.1	53.5	93.1	151.6
-35°	3.3	3.3	3.3	3.3	4.2	7.1	14.7	29.1	51.5	87.1	141.4
-37.5°	3.3	3.3	3.3	3.3	4.2	6.7	14.1	27.6	48.6	79.1	128.9
-40°	3.3	3.3	3.3	3.3	4.1	6.7	13.3	25.4	44.7	73.4	116.2
-42.5°	3.3	3.3	3.3	3.3	4.2	6.6	12.2	22.8	41.2	67.0	101.7
-45°	3.3	3.3	3.3	3.4	4.2	6.5	10.9	20.2	37.4	59.6	86.6
-47.5°	3.3	3.3	3.3	3.4	4.3	6.3	9.4	18.4	32.9	51.5	77.4
-50°	3.3	3.3	3.3	3.4	4.3	6.1	8.9	16.2	27.2	44.9	67.3
-52.5°	3.3	3.3	3.3	3.4	4.2	5.9	8.6	13.7	23.0	37.5	56.7
-55°	3.3	3.3	3.3	3.4	4.2	5.7	8.2	11.2	19.5	29.3	47.2
-57.5°	3.3	3.3	3.3	3.4	4.0	5.5	7.7	10.6	15.8	24.2	36.8
-60°	3.3	3.3	3.3	3.4	3.9	5.2	7.3	9.9	12.6	19.8	27.8
-62.5°	3.3	3.3	3.3	3.4	3.9	4.9	6.8	9.2	11.7	15.2	22.6
-65°	3.3	3.3	3.3	3.4	3.8	4.6	6.2	8.4	10.6	13.2	17.2
-67.5°	3.3	3.3	3.3	3.3	3.7	4.3	5.6	7.5	9.5	11.8	14.4
-70°	3.3	3.3	3.3	3.3	3.6	4.1	4.9	6.7	8.5	10.4	12.7
-72.5°	3.3	3.3	3.3	3.3	3.5	3.9	4.5	5.8	7.6	9.3	11.0
-75°	3.3	3.3	3.3	3.3	3.3	3.6	4.2	5.2	6.5	8.1	9.7
-77.5°	3.3	3.3	3.3	3.3	3.3	3.4	3.8	4.7	5.8	7.0	8.5
-80°	3.3	3.3	3.3	3.3	3.3	3.3	3.4	4.1	5.0	6.0	7.2
-82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7	4.2	5.0	5.8
-85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.9	4.3	4.7
-87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.6	3.8	4.0
-90°	3.3	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-4S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9	2.0	2.2	2.3
80°	1.7	1.7	1.8	1.7	1.8	2.1	2.5	3.0	3.2	3.3	3.3
77.5°	2.1	2.1	2.0	1.8	2.0	2.4	2.8	3.2	3.3	3.3	3.3
75°	2.7	2.6	2.2	1.8	1.9	2.3	2.8	3.2	3.3	3.3	3.3
72.5°	3.1	2.7	2.3	1.9	2.2	2.8	3.1	3.3	4.1	5.1	5.7
70°	3.1	2.7	2.6	2.7	3.0	3.6	5.1	6.9	8.7	9.3	10.0
67.5°	3.2	3.0	3.1	3.5	4.6	6.2	8.3	10.9	13.5	14.5	15.5
65°	3.3	3.2	3.7	4.8	6.4	9.0	11.8	14.9	19.4	21.7	22.7
62.5°	3.3	3.5	4.4	6.2	8.9	11.9	15.7	20.7	26.7	30.5	30.4
60°	3.3	3.7	5.5	8.3	11.3	14.9	19.8	26.7	35.2	41.2	37.1
57.5°	3.3	4.4	7.1	10.1	13.5	17.5	24.3	32.7	40.5	48.7	41.7
55°	3.8	5.6	8.6	11.8	15.8	20.5	27.2	33.9	42.3	45.4	38.0
52.5°	5.0	6.9	9.8	13.6	18.4	22.2	25.8	31.8	35.0	36.4	31.3
50°	6.3	8.3	11.0	15.7	19.7	21.9	22.4	26.1	27.6	26.3	23.9
47.5°	7.7	9.9	12.6	17.1	19.9	20.9	20.1	20.9	20.8	20.5	17.3
45°	9.2	11.7	14.6	17.6	19.7	19.5	19.2	16.9	19.1	18.5	17.0
42.5°	10.7	13.4	16.3	18.4	18.9	19.9	19.8	20.5	20.6	21.5	23.2
40°	12.1	14.9	18.3	19.7	19.2	22.3	26.8	29.0	26.1	31.5	36.1
37.5°	13.4	17.0	21.3	24.7	22.8	29.5	36.8	48.5	50.2	46.6	59.5
35°	14.5	19.4	28.3	36.1	38.1	41.3	61.7	80.3	91.8	85.1	94.9
32.5°	16.2	21.9	37.8	54.9	68.6	72.4	93.9	132.9	155.6	159.5	153.0
30°	19.1	30.8	52.1	78.7	109.1	136.5	155.3	199.9	237.0	277.6	301.7
27.5°	23.4	42.3	74.9	116.2	162.1	213.1	255.5	289.8	357.9	426.9	486.2
25°	28.3	65.8	101.0	163.0	235.9	306.4	365.4	418.0	507.6	615.4	795.6
22.5°	40.6	95.9	144.6	215.7	318.1	407.3	486.8	568.7	678.1	823.3	1200.2
20°	62.6	133.5	194.2	270.0	402.9	512.4	613.4	716.5	853.5	1157.4	1984.4
17.5°	87.9	172.7	242.0	329.8	466.1	605.4	743.9	857.4	1023.4	1472.0	2847.9
15°	115.6	213.1	285.2	384.6	525.9	677.5	832.3	994.8	1247.9	1891.3	3667.6
12.5°	145.0	253.9	324.1	434.2	582.2	746.1	903.2	1079.2	1450.6	2527.3	4710.4
10°	175.0	294.5	359.2	478.9	634.3	810.5	966.5	1150.2	1609.4	2934.3	5438.7
7.5°	194.1	323.4	387.8	518.6	682.0	869.9	1022.5	1208.8	1743.9	3192.7	5947.7
5°	208.5	338.1	397.3	536.5	713.4	913.3	1065.8	1255.8	1852.3	3319.0	6299.5
2.5°	219.6	349.7	404.9	547.2	732.5	933.5	1078.8	1273.5	1897.2	3395.4	6543.2
0°	227.0	358.0	411.0	553.5	745.8	946.3	1085.5	1282.7	1904.2	3417.2	6662.1
-2.5°	239.4	364.6	423.4	564.7	752.8	950.3	1091.1	1289.9	1932.0	3519.4	6843.7
-5°	248.6	368.4	433.9	571.6	753.8	947.4	1091.0	1288.2	1915.9	3483.9	6614.6
-7.5°	254.8	370.0	442.2	573.8	743.8	926.6	1068.8	1251.5	1815.4	3259.8	5992.5
-10°	259.3	375.4	452.6	570.4	721.8	892.9	1037.5	1206.9	1685.8	2945.0	5271.7
-12.5°	266.2	384.2	462.9	565.3	698.7	854.2	1001.1	1155.1	1528.8	2539.6	4456.8
-15°	269.8	391.5	472.4	559.3	676.1	811.2	959.8	1096.7	1352.9	2050.4	3552.2
-17.5°	269.8	397.5	481.4	553.3	655.2	764.6	918.6	1054.4	1228.9	1749.6	2921.7
-20°	266.4	402.6	490.1	547.8	637.9	735.7	884.9	1024.5	1178.2	1524.3	2296.1



REPORT NUMBER: P731486 (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°	259.6	407.0	495.8	552.2	631.5	723.6	846.4	988.8	1125.5	1283.8	1818.5
-25°	255.1	396.1	496.5	556.6	624.9	710.8	804.9	946.8	1076.3	1228.6	1567.0
-27.5°	252.1	381.1	487.4	557.7	616.6	698.2	780.9	897.5	1038.6	1180.2	1334.9
-30°	244.3	353.8	474.8	552.6	613.2	686.8	764.6	852.4	995.3	1132.6	1275.1
-32.5°	228.7	325.3	446.8	535.9	607.7	674.0	748.1	827.2	940.2	1081.8	1212.7
-35°	210.8	303.1	412.3	515.1	597.0	661.4	729.2	803.8	887.1	1015.6	1161.1
-37.5°	194.0	277.4	376.8	484.2	570.3	648.3	707.4	778.1	855.5	944.2	1089.5
-40°	174.1	248.1	343.6	444.7	541.2	626.8	693.3	750.0	821.5	911.7	1001.8
-42.5°	152.1	222.7	307.7	404.1	499.6	590.8	676.9	732.3	795.5	879.6	965.8
-45°	133.8	193.9	269.4	358.5	450.5	545.7	633.1	719.6	780.1	847.6	929.5
-47.5°	113.5	164.3	233.3	309.4	397.0	487.5	581.2	671.0	763.3	828.0	892.3
-50°	94.0	139.1	193.3	263.3	339.7	425.0	513.1	611.7	704.8	794.8	869.3
-52.5°	81.6	111.6	160.3	216.7	284.6	358.8	443.0	534.0	630.0	725.6	807.5
-55°	68.3	93.5	127.0	175.3	230.7	295.9	368.2	451.6	538.6	630.2	716.9
-57.5°	55.5	77.3	102.2	135.9	182.9	234.1	296.9	365.6	443.7	524.8	597.2
-60°	42.5	61.1	82.4	106.9	136.7	180.7	225.7	282.5	347.5	412.9	476.1
-62.5°	30.2	45.3	63.2	83.3	106.9	130.7	166.6	208.1	251.2	304.3	356.7
-65°	24.2	31.3	44.5	61.4	79.4	99.9	121.3	143.2	178.3	213.4	247.0
-67.5°	17.9	24.2	30.9	39.7	55.0	70.3	87.0	106.0	125.2	143.1	164.5
-70°	15.1	17.4	22.5	28.6	34.6	41.9	55.2	69.6	84.4	98.5	113.4
-72.5°	13.0	15.2	17.3	19.3	24.0	28.6	32.7	36.6	45.1	56.8	68.2
-75°	11.2	12.8	14.8	16.7	18.2	19.6	21.4	25.0	28.6	32.0	35.2
-77.5°	9.5	10.6	12.0	13.7	15.1	16.0	17.1	18.3	19.9	21.6	23.5
-80°	7.8	8.3	9.1	10.2	11.3	12.3	13.2	14.0	14.9	16.1	17.4
-82.5°	6.3	6.6	7.0	7.4	8.0	8.8	9.6	10.5	11.0	11.6	12.3
-85°	4.9	5.0	5.2	5.5	5.8	6.2	6.6	7.0	7.5	8.0	8.4
-87.5°	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.8	5.2	5.6
-90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.3	3.7	4.2	4.6	5.0	5.4	5.8	6.2	6.6	6.6	6.6
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	2.4	2.4	2.2	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	3.3	3.1	2.9	2.8	2.7	2.6	2.3	2.1	1.7	1.7	1.7
77.5°	3.3	3.3	3.3	3.3	3.3	3.0	2.6	2.2	1.8	1.7	1.7
75°	3.3	3.4	3.7	3.6	3.4	3.2	3.0	3.0	3.0	2.8	2.5
72.5°	5.9	5.8	5.6	5.6	5.3	5.3	5.4	5.2	4.8	4.7	4.7
70°	10.6	10.9	10.9	10.5	9.5	8.5	7.8	7.2	6.4	6.1	5.8
67.5°	16.4	16.5	15.6	14.1	11.7	9.6	8.7	7.9	7.0	6.7	7.1
65°	22.7	20.6	18.1	15.4	12.5	9.8	9.1	8.5	8.0	8.1	8.7
62.5°	27.9	22.6	18.1	15.0	12.3	9.8	9.0	8.3	7.6	7.1	7.0
60°	30.9	22.7	16.3	13.5	11.0	8.7	7.6	7.1	6.8	6.6	6.6
57.5°	30.9	21.4	14.2	11.6	9.4	7.4	6.6	6.6	6.6	6.6	6.6
55°	27.5	18.7	12.2	10.0	8.5	7.3	6.7	6.9	6.8	6.6	7.0
52.5°	21.6	15.5	11.3	9.4	8.7	8.3	8.2	8.1	7.9	7.7	8.0
50°	17.1	12.9	10.9	9.8	9.7	9.8	9.8	9.9	10.2	10.3	10.4
47.5°	14.4	12.1	12.3	11.3	11.7	12.8	13.0	13.2	13.7	13.7	13.4
45°	14.7	17.1	17.6	17.3	17.1	19.5	19.3	17.7	19.8	20.5	20.0
42.5°	24.4	26.4	27.7	29.0	30.5	32.3	33.3	32.7	34.6	34.6	32.4
40°	41.2	39.2	42.4	46.2	49.5	50.8	53.9	57.1	58.4	57.7	55.5
37.5°	67.5	64.6	64.9	73.3	81.1	71.9	85.4	90.8	87.4	99.4	101.8
35°	112.2	124.1	107.0	137.1	152.2	144.8	161.0	192.9	168.1	213.3	224.4
32.5°	199.4	228.0	245.8	271.4	308.9	358.2	370.6	449.3	474.6	511.0	550.3
30°	325.9	406.4	554.7	582.3	618.1	788.2	834.9	877.7	967.3	1036.3	1153.7
27.5°	592.2	809.3	1119.3	1392.2	1372.2	1660.1	1980.3	1621.7	2153.8	1940.3	2450.8
25°	1109.0	1587.6	2335.1	3058.3	3403.5	3989.9	4723.3	4584.5	5552.2	5619.4	7046.8
22.5°	2109.3	3149.0	4292.0	5521.5	6714.1	8034.1	9302.4	10632.1	12631.2	15393.3	18077.7
20°	3451.1	4979.8	6825.8	8729.4	10748.2	12801.0	15185.9	19224.7	23365.7	29113.8	33174.6
17.5°	4905.1	7338.1	9604.1	11962.7	14785.0	18197.1	23130.4	30031.4	38402.0	46994.6	53641.7
15°	6175.2	8927.4	12193.8	15338.3	18847.6	23969.5	31717.8	41939.6	54387.7	67450.1	83245.8
12.5°	7404.0	10278.9	13828.6	17805.8	22574.8	29905.6	39949.3	53763.0	70253.6	89882.6	110170.2
10°	8357.7	11512.2	15462.9	19941.9	25762.6	34766.4	46437.8	62746.8	87183.4	110355.1	133522.2
7.5°	9102.9	12651.5	16836.3	21537.3	28314.7	38452.9	52416.8	72946.8	98766.1	123837.2	145175.9
5°	9765.3	13588.4	17766.9	22436.4	30151.9	41135.3	56172.4	79618.5	107171.1	131811.2	152116.7
2.5°	10287.0	14201.0	18278.1	22886.8	31334.6	42616.0	58152.9	83198.8	112588.8	136915.1	156304.1
0°	10603.0	14310.2	18363.8	22982.5	31424.4	43286.8	59698.4	84765.7	114521.2	139412.8	158482.6
-2.5°	10489.8	14065.5	18085.9	22701.4	31128.0	42658.1	58455.3	83971.8	112883.8	136172.1	155351.3
-5°	9925.9	13265.0	16998.2	21340.8	29161.8	40269.5	54931.4	78199.6	105375.6	128624.4	146672.1
-7.5°	9036.9	12146.3	15573.7	19593.9	26357.2	36394.5	49755.3	69556.3	94226.9	115678.5	131965.5
-10°	8042.3	10849.3	13818.9	17379.7	22666.3	31186.2	42343.5	57463.0	78621.5	97909.0	113308.6
-12.5°	6846.9	9182.2	11678.5	14749.2	18756.1	25701.9	35082.5	47347.5	62058.9	79222.2	93242.0
-15°	5604.4	7567.7	9633.9	12514.3	15931.7	20356.2	27098.9	36849.6	47769.6	59492.4	72212.8
-17.5°	4500.5	6162.8	8353.5	10779.5	13384.1	16463.0	22038.1	28683.2	36586.1	44947.7	52624.7
-20°	3615.2	5378.3	7346.3	9456.1	11849.3	14809.9	18234.8	23283.3	29144.0	35562.7	41712.5



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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°	2974.0	4555.0	6382.6	8361.6	10782.8	13448.0	16221.7	19390.1	23595.9	28530.7	33255.2
-25°	2265.1	3586.3	5359.2	7355.1	9585.4	11935.9	14187.3	16770.1	19844.7	23055.6	26363.9
-27.5°	1795.4	2728.1	4183.7	6058.1	8121.8	9962.1	11891.0	14041.6	16730.4	19523.9	21364.7
-30°	1465.4	2011.5	3104.2	4568.5	6293.4	7917.4	9501.2	11434.0	13544.8	15549.7	17176.9
-32.5°	1368.9	1613.2	2178.7	3222.3	4517.8	5967.3	7389.1	9114.4	10752.7	12339.3	13738.3
-35°	1300.9	1457.1	1670.3	2214.8	2995.1	4173.1	5472.1	6932.2	8410.7	9692.4	10879.0
-37.5°	1237.4	1373.0	1514.1	1654.6	2093.9	2633.0	3547.9	4702.7	5824.4	6861.5	7882.9
-40°	1146.8	1295.4	1409.5	1529.6	1660.2	1808.6	2287.4	2759.2	3308.3	4103.7	4800.5
-42.5°	1050.8	1174.6	1304.5	1416.9	1526.2	1640.3	1760.9	1880.9	2131.8	2443.9	2699.5
-45°	1010.6	1085.1	1174.4	1291.8	1401.6	1504.1	1602.3	1697.3	1797.5	1889.1	1963.9
-47.5°	962.6	1030.3	1102.6	1179.1	1259.7	1358.7	1455.8	1552.5	1640.2	1721.8	1786.8
-50°	918.3	971.5	1036.0	1101.1	1165.6	1231.9	1299.0	1373.6	1457.4	1540.0	1607.9
-52.5°	882.0	930.7	976.9	1023.0	1079.1	1135.4	1191.7	1251.2	1308.4	1362.5	1404.8
-55°	793.8	862.5	930.1	973.7	1011.5	1049.8	1092.4	1145.6	1196.4	1244.5	1272.8
-57.5°	673.9	753.4	826.4	877.9	930.6	983.9	1027.9	1066.0	1104.4	1141.1	1161.1
-60°	540.6	605.9	672.0	733.3	791.9	847.2	898.5	948.5	994.7	1033.7	1057.2
-62.5°	408.6	462.8	516.5	567.8	617.1	665.2	719.8	772.5	822.7	863.6	888.8
-65°	284.4	328.9	370.5	410.5	448.7	489.6	532.1	573.5	613.1	644.6	665.3
-67.5°	193.4	220.8	245.7	269.4	298.5	330.0	361.2	390.2	416.8	437.2	451.7
-70°	128.5	143.1	156.2	171.6	190.6	209.8	229.1	247.0	263.3	275.6	284.8
-72.5°	79.1	89.2	98.7	109.0	118.7	128.7	139.2	149.5	159.4	166.6	172.0
-75°	38.1	42.7	51.1	58.7	65.6	72.0	77.8	82.9	87.3	90.1	91.9
-77.5°	26.0	28.1	30.2	32.2	34.4	36.9	39.6	42.1	44.5	46.3	48.0
-80°	18.8	19.9	20.8	21.6	22.3	23.5	24.6	25.8	27.0	27.4	27.7
-82.5°	12.9	13.8	14.7	15.5	16.3	17.1	17.8	18.5	19.2	19.8	20.3
-85°	8.7	9.1	9.6	10.1	10.6	11.2	11.8	12.4	12.9	13.1	13.1
-87.5°	6.0	6.1	6.3	6.4	6.4	6.9	7.3	7.8	8.2	8.3	8.3
-90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.3	0.9



REPORT NUMBER: P731486 (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°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.2
87.5°	1.7	1.7	0.8	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	2.2
75°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.8	3.0	3.0
72.5°	4.8	4.9	4.2	3.3	4.2	4.9	4.8	4.7	4.7	4.8	5.2
70°	5.4	5.0	5.0	5.0	5.0	5.0	5.4	5.8	6.1	6.4	7.2
67.5°	7.6	8.1	8.3	8.3	8.3	8.1	7.6	7.1	6.7	7.0	7.9
65°	9.2	9.8	9.2	8.3	9.2	9.8	9.2	8.7	8.1	8.0	8.5
62.5°	6.9	6.7	6.6	6.6	6.6	6.7	6.9	7.0	7.1	7.6	8.3
60°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.8	7.1
57.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
55°	7.5	8.0	8.3	8.3	8.3	8.0	7.5	7.0	6.6	6.8	6.9
52.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.0	7.7	7.9	8.1
50°	10.3	10.0	9.9	9.9	9.9	10.0	10.3	10.4	10.3	10.2	9.9
47.5°	12.8	12.0	11.6	11.6	11.6	12.0	12.8	13.4	13.7	13.7	13.2
45°	20.1	19.9	19.7	19.9	19.7	19.9	20.1	20.0	20.5	19.8	17.7
42.5°	33.6	34.2	33.6	31.5	33.6	34.2	33.6	32.4	34.6	34.6	32.7
40°	55.6	53.4	50.6	49.7	50.6	53.4	55.6	55.5	57.7	58.4	57.1
37.5°	103.1	103.0	100.7	99.4	100.7	103.0	103.1	101.8	99.4	87.4	90.8
35°	216.9	215.2	203.4	192.2	203.4	215.2	216.9	224.4	213.3	168.1	192.9
32.5°	563.5	593.4	590.6	573.4	590.6	593.4	563.5	550.3	511.0	474.6	449.3
30°	1198.8	1252.3	1241.0	1170.0	1241.0	1252.3	1198.8	1153.7	1036.3	967.3	877.7
27.5°	2477.9	2603.1	2713.5	2568.7	2713.5	2603.1	2477.9	2450.8	1940.3	2153.8	1621.7
25°	8475.8	9290.9	9773.1	9023.6	9773.1	9290.9	8475.8	7046.8	5619.4	5552.2	4584.5
22.5°	20228.2	21244.1	21786.1	22095.8	21786.1	21244.1	20228.2	18077.7	15393.3	12631.2	10632.1
20°	37105.4	39277.5	40668.8	37866.0	40668.8	39277.5	37105.4	33174.6	29113.8	23365.7	19224.7
17.5°	62863.0	70873.7	75091.2	77382.7	75091.2	70873.7	62863.0	53641.7	46994.6	38402.0	30031.4
15°	95436.0	105685.5	112606.9	115316.7	112606.9	105685.5	95436.0	83245.8	67450.1	54387.7	41939.6
12.5°	126234.1	136810.0	143196.1	144801.3	143196.1	136810.0	126234.1	110170.2	89882.6	70253.6	53763.0
10°	148139.9	158104.9	165450.9	168029.9	165450.9	158104.9	148139.9	133522.2	110355.1	87183.4	62746.8
7.5°	160334.9	171983.3	178457.9	180069.6	178457.9	171983.3	160334.9	145175.9	123837.2	98766.1	72946.8
5°	167353.4	177877.9	184955.4	185813.6	184955.4	177877.9	167353.4	152116.7	131811.2	107171.1	79618.5
2.5°	171878.7	182171.4	188126.2	189876.3	188126.2	182171.4	171878.7	156304.1	136915.1	112588.8	83198.8
0°	172989.1	182452.7	189646.8	191885.7	189646.8	182452.7	172989.1	158482.6	139412.8	114521.2	84765.7
-2.5°	169626.9	178756.3	183548.4	184325.4	183548.4	178756.3	169626.9	155351.3	136172.1	112883.8	83971.8
-5°	161040.7	167792.6	173324.7	174032.3	173324.7	167792.6	161040.7	146672.1	128624.4	105375.6	78199.6
-7.5°	142802.2	150376.2	153436.0	154264.1	153436.0	150376.2	142802.2	131965.5	115678.5	94226.9	69556.3
-10°	123396.7	129885.3	132053.0	133223.1	132053.0	129885.3	123396.7	113308.6	97909.0	78621.5	57463.0
-12.5°	104398.7	110743.5	112875.6	114569.3	112875.6	110743.5	104398.7	93242.0	79222.2	62058.9	47347.5
-15°	83112.9	89360.9	92805.5	94712.3	92805.5	89360.9	83112.9	72212.8	59492.4	47769.6	36849.6
-17.5°	62367.7	68301.5	72310.6	74643.3	72310.6	68301.5	62367.7	52624.7	44947.7	36586.1	28683.2
-20°	47289.5	51305.5	54390.7	56221.5	54390.7	51305.5	47289.5	41712.5	35562.7	29144.0	23283.3



REPORT NUMBER: P731486 (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°	36940.2	39721.6	41508.9	42678.6	41508.9	39721.6	36940.2	33255.2	28530.7	23595.9	19390.1
-25°	28871.0	30696.4	31852.3	32798.2	31852.3	30696.4	28871.0	26363.9	23055.6	19844.7	16770.1
-27.5°	22859.7	23838.4	24349.3	25044.1	24349.3	23838.4	22859.7	21364.7	19523.9	16730.4	14041.6
-30°	18376.9	19127.9	19533.9	19684.6	19533.9	19127.9	18376.9	17176.9	15549.7	13544.8	11434.0
-32.5°	14790.3	15499.7	16012.1	16252.5	16012.1	15499.7	14790.3	13738.3	12339.3	10752.7	9114.4
-35°	11799.8	12391.7	12795.6	13017.5	12795.6	12391.7	11799.8	10879.0	9692.4	8410.7	6932.2
-37.5°	8728.7	9378.1	9822.8	9974.9	9822.8	9378.1	8728.7	7882.9	6861.5	5824.4	4702.7
-40°	5355.4	5769.1	6036.1	6148.3	6036.1	5769.1	5355.4	4800.5	4103.7	3308.3	2759.2
-42.5°	2898.8	3050.7	3156.1	3216.7	3156.1	3050.7	2898.8	2699.5	2443.9	2131.8	1880.9
-45°	2012.3	2050.7	2075.1	2084.8	2075.1	2050.7	2012.3	1963.9	1889.1	1797.5	1697.3
-47.5°	1834.5	1876.0	1898.1	1899.2	1898.1	1876.0	1834.5	1786.8	1721.8	1640.2	1552.5
-50°	1661.6	1706.8	1729.6	1731.8	1729.6	1706.8	1661.6	1607.9	1540.0	1457.4	1373.6
-52.5°	1443.2	1479.0	1494.6	1493.2	1494.6	1479.0	1443.2	1404.8	1362.5	1308.4	1251.2
-55°	1297.3	1318.7	1328.2	1329.1	1328.2	1318.7	1297.3	1272.8	1244.5	1196.4	1145.6
-57.5°	1179.1	1194.8	1200.4	1199.8	1200.4	1194.8	1179.1	1161.1	1141.1	1104.4	1066.0
-60°	1077.8	1095.0	1099.8	1097.1	1099.8	1095.0	1077.8	1057.2	1033.7	994.7	948.5
-62.5°	909.4	925.1	932.9	934.7	932.9	925.1	909.4	888.8	863.6	822.7	772.5
-65°	681.6	693.5	699.6	701.0	699.6	693.5	681.6	665.3	644.6	613.1	573.5
-67.5°	463.0	471.0	473.4	472.3	473.4	471.0	463.0	451.7	437.2	416.8	390.2
-70°	292.1	297.7	299.1	298.3	299.1	297.7	292.1	284.8	275.6	263.3	247.0
-72.5°	176.5	179.8	180.1	179.0	180.1	179.8	176.5	172.0	166.6	159.4	149.5
-75°	93.1	93.5	93.4	92.8	93.4	93.5	93.1	91.9	90.1	87.3	82.9
-77.5°	49.5	50.9	50.5	49.7	50.5	50.9	49.5	48.0	46.3	44.5	42.1
-80°	28.0	28.1	28.2	28.2	28.2	28.1	28.0	27.7	27.4	27.0	25.8
-82.5°	20.9	21.4	20.7	19.9	20.7	21.4	20.9	20.3	19.8	19.2	18.5
-85°	13.2	13.3	13.3	13.3	13.3	13.3	13.2	13.1	13.1	12.9	12.4
-87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.2	7.8
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.8	5.4	5.0	4.6	4.2	3.7	3.3	3.3	3.3	3.3	3.3
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	2.0	2.2	2.4	2.4	2.3	2.2	2.0	1.9
80°	2.3	2.6	2.7	2.8	2.9	3.1	3.3	3.3	3.3	3.2	3.0
77.5°	2.6	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
75°	3.0	3.2	3.4	3.6	3.7	3.4	3.3	3.3	3.3	3.3	3.2
72.5°	5.4	5.3	5.3	5.6	5.6	5.8	5.9	5.7	5.1	4.1	3.3
70°	7.8	8.5	9.5	10.5	10.9	10.9	10.6	10.0	9.3	8.7	6.9
67.5°	8.7	9.6	11.7	14.1	15.6	16.5	16.4	15.5	14.5	13.5	10.9
65°	9.1	9.8	12.5	15.4	18.1	20.6	22.7	22.7	21.7	19.4	14.9
62.5°	9.0	9.8	12.3	15.0	18.1	22.6	27.9	30.4	30.5	26.7	20.7
60°	7.6	8.7	11.0	13.5	16.3	22.7	30.9	37.1	41.2	35.2	26.7
57.5°	6.6	7.4	9.4	11.6	14.2	21.4	30.9	41.7	48.7	40.5	32.7
55°	6.7	7.3	8.5	10.0	12.2	18.7	27.5	38.0	45.4	42.3	33.9
52.5°	8.2	8.3	8.7	9.4	11.3	15.5	21.6	31.3	36.4	35.0	31.8
50°	9.8	9.8	9.7	9.8	10.9	12.9	17.1	23.9	26.3	27.6	26.1
47.5°	13.0	12.8	11.7	11.3	12.3	12.1	14.4	17.3	20.5	20.8	20.9
45°	19.3	19.5	17.1	17.3	17.6	17.1	14.7	17.0	18.5	19.1	16.9
42.5°	33.3	32.3	30.5	29.0	27.7	26.4	24.4	23.2	21.5	20.6	20.5
40°	53.9	50.8	49.5	46.2	42.4	39.2	41.2	36.1	31.5	26.1	29.0
37.5°	85.4	71.9	81.1	73.3	64.9	64.6	67.5	59.5	46.6	50.2	48.5
35°	161.0	144.8	152.2	137.1	107.0	124.1	112.2	94.9	85.1	91.8	80.3
32.5°	370.6	358.2	308.9	271.4	245.8	228.0	199.4	153.0	159.5	155.6	132.9
30°	834.9	788.2	618.1	582.3	554.7	406.4	325.9	301.7	277.6	237.0	199.9
27.5°	1980.3	1660.1	1372.2	1392.2	1119.3	809.3	592.2	486.2	426.9	357.9	289.8
25°	4723.3	3989.9	3403.5	3058.3	2335.1	1587.6	1109.0	795.6	615.4	507.6	418.0
22.5°	9302.4	8034.1	6714.1	5521.5	4292.0	3149.0	2109.3	1200.2	823.3	678.1	568.7
20°	15185.9	12801.0	10748.2	8729.4	6825.8	4979.8	3451.1	1984.4	1157.4	853.5	716.5
17.5°	23130.4	18197.1	14785.0	11962.7	9604.1	7338.1	4905.1	2847.9	1472.0	1023.4	857.4
15°	31717.8	23969.5	18847.6	15338.3	12193.8	8927.4	6175.2	3667.6	1891.3	1247.9	994.8
12.5°	39949.3	29905.6	22574.8	17805.8	13828.6	10278.9	7404.0	4710.4	2527.3	1450.6	1079.2
10°	46437.8	34766.4	25762.6	19941.9	15462.9	11512.2	8357.7	5438.7	2934.3	1609.4	1150.2
7.5°	52416.8	38452.9	28314.7	21537.3	16836.3	12651.5	9102.9	5947.7	3192.7	1743.9	1208.8
5°	56172.4	41135.3	30151.9	22436.4	17766.9	13588.4	9765.3	6299.5	3319.0	1852.3	1255.8
2.5°	58152.9	42616.0	31334.6	22886.8	18278.1	14201.0	10287.0	6543.2	3395.4	1897.2	1273.5
0°	59698.4	43286.8	31424.4	22982.5	18363.8	14310.2	10603.0	6662.1	3417.2	1904.2	1282.7
-2.5°	58455.3	42658.1	31128.0	22701.4	18085.9	14065.5	10489.8	6843.7	3519.4	1932.0	1289.9
-5°	54931.4	40269.5	29161.8	21340.8	16998.2	13265.0	9925.9	6614.6	3483.9	1915.9	1288.2
-7.5°	49755.3	36394.5	26357.2	19593.9	15573.7	12146.3	9036.9	5992.5	3259.8	1815.4	1251.5
-10°	42343.5	31186.2	22666.3	17379.7	13818.9	10849.3	8042.3	5271.7	2945.0	1685.8	1206.9
-12.5°	35082.5	25701.9	18756.1	14749.2	11678.5	9182.2	6846.9	4456.8	2539.6	1528.8	1155.1
-15°	27098.9	20356.2	15931.7	12514.3	9633.9	7567.7	5604.4	3552.2	2050.4	1352.9	1096.7
-17.5°	22038.1	16463.0	13384.1	10779.5	8353.5	6162.8	4500.5	2921.7	1749.6	1228.9	1054.4
-20°	18234.8	14809.9	11849.3	9456.1	7346.3	5378.3	3615.2	2296.1	1524.3	1178.2	1024.5



REPORT NUMBER: P731486 (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°	16221.7	13448.0	10782.8	8361.6	6382.6	4555.0	2974.0	1818.5	1283.8	1125.5	988.8
-25°	14187.3	11935.9	9585.4	7355.1	5359.2	3586.3	2265.1	1567.0	1228.6	1076.3	946.8
-27.5°	11891.0	9962.1	8121.8	6058.1	4183.7	2728.1	1795.4	1334.9	1180.2	1038.6	897.5
-30°	9501.2	7917.4	6293.4	4568.5	3104.2	2011.5	1465.4	1275.1	1132.6	995.3	852.4
-32.5°	7389.1	5967.3	4517.8	3222.3	2178.7	1613.2	1368.9	1212.7	1081.8	940.2	827.2
-35°	5472.1	4173.1	2995.1	2214.8	1670.3	1457.1	1300.9	1161.1	1015.6	887.1	803.8
-37.5°	3547.9	2633.0	2093.9	1654.6	1514.1	1373.0	1237.4	1089.5	944.2	855.5	778.1
-40°	2287.4	1808.6	1660.2	1529.6	1409.5	1295.4	1146.8	1001.8	911.7	821.5	750.0
-42.5°	1760.9	1640.3	1526.2	1416.9	1304.5	1174.6	1050.8	965.8	879.6	795.5	732.3
-45°	1602.3	1504.1	1401.6	1291.8	1174.4	1085.1	1010.6	929.5	847.6	780.1	719.6
-47.5°	1455.8	1358.7	1259.7	1179.1	1102.6	1030.3	962.6	892.3	828.0	763.3	671.0
-50°	1299.0	1231.9	1165.6	1101.1	1036.0	971.5	918.3	869.3	794.8	704.8	611.7
-52.5°	1191.7	1135.4	1079.1	1023.0	976.9	930.7	882.0	807.5	725.6	630.0	534.0
-55°	1092.4	1049.8	1011.5	973.7	930.1	862.5	793.8	716.9	630.2	538.6	451.6
-57.5°	1027.9	983.9	930.6	877.9	826.4	753.4	673.9	597.2	524.8	443.7	365.6
-60°	898.5	847.2	791.9	733.3	672.0	605.9	540.6	476.1	412.9	347.5	282.5
-62.5°	719.8	665.2	617.1	567.8	516.5	462.8	408.6	356.7	304.3	251.2	208.1
-65°	532.1	489.6	448.7	410.5	370.5	328.9	284.4	247.0	213.4	178.3	143.2
-67.5°	361.2	330.0	298.5	269.4	245.7	220.8	193.4	164.5	143.1	125.2	106.0
-70°	229.1	209.8	190.6	171.6	156.2	143.1	128.5	113.4	98.5	84.4	69.6
-72.5°	139.2	128.7	118.7	109.0	98.7	89.2	79.1	68.2	56.8	45.1	36.6
-75°	77.8	72.0	65.6	58.7	51.1	42.7	38.1	35.2	32.0	28.6	25.0
-77.5°	39.6	36.9	34.4	32.2	30.2	28.1	26.0	23.5	21.6	19.9	18.3
-80°	24.6	23.5	22.3	21.6	20.8	19.9	18.8	17.4	16.1	14.9	14.0
-82.5°	17.8	17.1	16.3	15.5	14.7	13.8	12.9	12.3	11.6	11.0	10.5
-85°	11.8	11.2	10.6	10.1	9.6	9.1	8.7	8.4	8.0	7.5	7.0
-87.5°	7.3	6.9	6.4	6.4	6.3	6.1	6.0	5.6	5.2	4.8	4.5
-90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7
80°	2.5	2.1	1.8	1.7	1.8	1.7	1.7	1.7	1.9	2.0	1.9
77.5°	2.8	2.4	2.0	1.8	2.0	2.1	2.1	1.9	2.1	2.3	2.3
75°	2.8	2.3	1.9	1.8	2.2	2.6	2.7	2.6	2.5	2.6	2.7
72.5°	3.1	2.8	2.2	1.9	2.3	2.7	3.1	3.2	2.9	2.9	3.0
70°	5.1	3.6	3.0	2.7	2.6	2.7	3.1	3.3	3.3	3.1	3.1
67.5°	8.3	6.2	4.6	3.5	3.1	3.0	3.2	3.3	3.3	3.3	3.2
65°	11.8	9.0	6.4	4.8	3.7	3.2	3.3	3.3	3.3	3.3	3.3
62.5°	15.7	11.9	8.9	6.2	4.4	3.5	3.3	3.3	3.3	3.3	3.3
60°	19.8	14.9	11.3	8.3	5.5	3.7	3.3	3.3	3.3	3.3	3.3
57.5°	24.3	17.5	13.5	10.1	7.1	4.4	3.3	3.3	3.3	3.3	3.3
55°	27.2	20.5	15.8	11.8	8.6	5.6	3.8	3.3	3.3	3.3	3.3
52.5°	25.8	22.2	18.4	13.6	9.8	6.9	5.0	3.3	3.3	3.3	3.3
50°	22.4	21.9	19.7	15.7	11.0	8.3	6.3	4.3	3.3	3.3	3.3
47.5°	20.1	20.9	19.9	17.1	12.6	9.9	7.7	5.4	3.3	3.3	3.3
45°	19.2	19.5	19.7	17.6	14.6	11.7	9.2	6.5	4.2	3.4	3.3
42.5°	19.8	19.9	18.9	18.4	16.3	13.4	10.7	7.8	5.1	3.5	3.4
40°	26.8	22.3	19.2	19.7	18.3	14.9	12.1	9.2	6.0	3.9	3.5
37.5°	36.8	29.5	22.8	24.7	21.3	17.0	13.4	10.7	7.1	4.7	3.7
35°	61.7	41.3	38.1	36.1	28.3	19.4	14.5	11.9	8.4	5.5	3.9
32.5°	93.9	72.4	68.6	54.9	37.8	21.9	16.2	13.1	9.7	6.3	4.1
30°	155.3	136.5	109.1	78.7	52.1	30.8	19.1	14.6	10.9	7.0	4.5
27.5°	255.5	213.1	162.1	116.2	74.9	42.3	23.4	16.3	12.0	7.8	5.1
25°	365.4	306.4	235.9	163.0	101.0	65.8	28.3	18.2	13.2	8.8	5.6
22.5°	486.8	407.3	318.1	215.7	144.6	95.9	40.6	22.1	14.7	9.6	6.2
20°	613.4	512.4	402.9	270.0	194.2	133.5	62.6	26.4	16.2	10.4	6.7
17.5°	743.9	605.4	466.1	329.8	242.0	172.7	87.9	30.9	17.7	11.2	7.1
15°	832.3	677.5	525.9	384.6	285.2	213.1	115.6	35.5	19.3	11.8	7.7
12.5°	903.2	746.1	582.2	434.2	324.1	253.9	145.0	40.2	20.9	12.9	8.4
10°	966.5	810.5	634.3	478.9	359.2	294.5	175.0	45.1	23.7	14.4	9.1
7.5°	1022.5	869.9	682.0	518.6	387.8	323.4	194.1	50.3	26.7	15.8	9.8
5°	1065.8	913.3	713.4	536.5	397.3	338.1	208.5	55.0	29.5	17.3	10.4
2.5°	1078.8	933.5	732.5	547.2	404.9	349.7	219.6	59.2	32.3	18.6	11.0
0°	1085.5	946.3	745.8	553.5	411.0	358.0	227.0	63.0	34.8	19.9	11.6
-2.5°	1091.1	950.3	752.8	564.7	423.4	364.6	239.4	81.2	47.0	26.7	14.7
-5°	1091.0	947.4	753.8	571.6	433.9	368.4	248.6	98.5	58.6	33.3	17.7
-7.5°	1068.8	926.6	743.8	573.8	442.2	370.0	254.8	114.5	69.5	39.3	20.4
-10°	1037.5	892.9	721.8	570.4	452.6	375.4	259.3	129.1	79.2	44.7	23.0
-12.5°	1001.1	854.2	698.7	565.3	462.9	384.2	266.2	141.9	87.6	49.3	25.2
-15°	959.8	811.2	676.1	559.3	472.4	391.5	269.8	152.5	94.0	53.1	27.0
-17.5°	918.6	764.6	655.2	553.3	481.4	397.5	269.8	160.3	98.8	55.9	28.8
-20°	884.9	735.7	637.9	547.8	490.1	402.6	266.4	165.0	101.9	57.7	30.4



REPORT NUMBER: P731486 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	846.4	723.6	631.5	552.2	495.8	407.0	259.6	166.5	102.9	58.4	31.4
-25°	804.9	710.8	624.9	556.6	496.5	396.1	255.1	164.5	102.0	57.7	31.8
-27.5°	780.9	698.2	616.6	557.7	487.4	381.1	252.1	163.0	99.7	55.8	31.6
-30°	764.6	686.8	613.2	552.6	474.8	353.8	244.3	158.8	97.3	54.5	30.8
-32.5°	748.1	674.0	607.7	535.9	446.8	325.3	228.7	151.6	93.1	53.5	30.1
-35°	729.2	661.4	597.0	515.1	412.3	303.1	210.8	141.4	87.1	51.5	29.1
-37.5°	707.4	648.3	570.3	484.2	376.8	277.4	194.0	128.9	79.1	48.6	27.6
-40°	693.3	626.8	541.2	444.7	343.6	248.1	174.1	116.2	73.4	44.7	25.4
-42.5°	676.9	590.8	499.6	404.1	307.7	222.7	152.1	101.7	67.0	41.2	22.8
-45°	633.1	545.7	450.5	358.5	269.4	193.9	133.8	86.6	59.6	37.4	20.2
-47.5°	581.2	487.5	397.0	309.4	233.3	164.3	113.5	77.4	51.5	32.9	18.4
-50°	513.1	425.0	339.7	263.3	193.3	139.1	94.0	67.3	44.9	27.2	16.2
-52.5°	443.0	358.8	284.6	216.7	160.3	111.6	81.6	56.7	37.5	23.0	13.7
-55°	368.2	295.9	230.7	175.3	127.0	93.5	68.3	47.2	29.3	19.5	11.2
-57.5°	296.9	234.1	182.9	135.9	102.2	77.3	55.5	36.8	24.2	15.8	10.6
-60°	225.7	180.7	136.7	106.9	82.4	61.1	42.5	27.8	19.8	12.6	9.9
-62.5°	166.6	130.7	106.9	83.3	63.2	45.3	30.2	22.6	15.2	11.7	9.2
-65°	121.3	99.9	79.4	61.4	44.5	31.3	24.2	17.2	13.2	10.6	8.4
-67.5°	87.0	70.3	55.0	39.7	30.9	24.2	17.9	14.4	11.8	9.5	7.5
-70°	55.2	41.9	34.6	28.6	22.5	17.4	15.1	12.7	10.4	8.5	6.7
-72.5°	32.7	28.6	24.0	19.3	17.3	15.2	13.0	11.0	9.3	7.6	5.8
-75°	21.4	19.6	18.2	16.7	14.8	12.8	11.2	9.7	8.1	6.5	5.2
-77.5°	17.1	16.0	15.1	13.7	12.0	10.6	9.5	8.5	7.0	5.8	4.7
-80°	13.2	12.3	11.3	10.2	9.1	8.3	7.8	7.2	6.0	5.0	4.1
-82.5°	9.6	8.8	8.0	7.4	7.0	6.6	6.3	5.8	5.0	4.2	3.7
-85°	6.6	6.2	5.8	5.5	5.2	5.0	4.9	4.7	4.3	3.9	3.5
-87.5°	4.4	4.4	4.3	4.3	4.2	4.1	4.1	4.0	3.8	3.6	3.4
-90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



REPORT NUMBER: P731486 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.7	1.8	1.8	1.9	1.8	2.5	3.3
85°	1.7	1.9	2.0	2.0	2.0	2.6	3.3
82.5°	1.7	2.0	2.1	2.2	2.1	2.6	3.3
80°	1.8	2.1	2.3	2.3	2.3	2.6	3.3
77.5°	2.2	2.2	2.4	2.5	2.4	2.7	3.3
75°	2.6	2.5	2.6	2.7	2.6	2.7	3.3
72.5°	3.0	2.7	2.7	2.8	2.7	2.8	3.3
70°	3.3	3.0	2.8	3.0	2.8	2.8	3.3
67.5°	3.3	3.2	3.0	3.0	3.0	2.8	3.3
65°	3.3	3.3	3.1	3.1	3.1	2.9	3.3
62.5°	3.3	3.3	3.2	3.1	3.2	2.9	3.3
60°	3.3	3.3	3.3	3.2	3.3	3.0	3.3
57.5°	3.3	3.3	3.3	3.2	3.3	3.0	3.3
55°	3.3	3.3	3.3	3.2	3.3	3.0	3.3
52.5°	3.3	3.3	3.3	3.3	3.3	3.1	3.3
50°	3.3	3.3	3.3	3.3	3.3	3.1	3.3
47.5°	3.3	3.3	3.3	3.3	3.3	3.1	3.3
45°	3.3	3.3	3.3	3.3	3.3	3.1	3.3
42.5°	3.3	3.3	3.3	3.3	3.3	3.2	3.3
40°	3.3	3.3	3.3	3.3	3.3	3.2	3.3
37.5°	3.3	3.3	3.3	3.3	3.3	3.2	3.3
35°	3.3	3.3	3.3	3.3	3.3	3.2	3.3
32.5°	3.4	3.3	3.3	3.3	3.3	3.2	3.3
30°	3.5	3.3	3.3	3.3	3.3	3.2	3.3
27.5°	3.7	3.3	3.3	3.3	3.3	3.3	3.3
25°	3.9	3.3	3.3	3.3	3.3	3.3	3.3
22.5°	4.1	3.3	3.3	3.3	3.3	3.3	3.3
20°	4.3	3.5	3.3	3.3	3.3	3.3	3.3
17.5°	4.6	3.6	3.3	3.3	3.3	3.3	3.3
15°	5.0	3.8	3.3	3.3	3.3	3.3	3.3
12.5°	5.3	4.0	3.3	3.3	3.3	3.3	3.3
10°	5.6	4.2	3.3	3.3	3.3	3.3	3.3
7.5°	5.9	4.4	3.3	3.3	3.3	3.3	3.3
5°	6.1	4.6	3.3	3.3	3.3	3.3	3.3
2.5°	6.4	4.8	3.3	3.3	3.3	3.3	3.3
0°	6.6	5.0	3.3	3.3	3.3	3.3	3.3
-2.5°	8.1	5.5	3.4	3.3	3.3	3.3	3.3
-5°	9.6	6.0	3.6	3.3	3.3	3.3	3.3
-7.5°	11.0	6.5	3.7	3.3	3.3	3.3	3.3
-10°	12.3	6.9	3.9	3.3	3.3	3.3	3.3
-12.5°	13.4	7.3	4.0	3.3	3.3	3.3	3.3
-15°	14.4	7.6	4.1	3.3	3.3	3.3	3.3
-17.5°	15.1	7.8	4.1	3.3	3.3	3.3	3.3
-20°	15.7	7.9	4.2	3.3	3.3	3.3	3.3



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-4S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.3	7.9	4.2	3.3	3.3	3.3	3.3
-25°	16.6	8.0	4.2	3.3	3.3	3.3	3.3
-27.5°	16.5	8.0	4.2	3.3	3.3	3.3	3.3
-30°	16.1	7.8	4.1	3.3	3.3	3.3	3.3
-32.5°	15.3	7.5	4.2	3.3	3.3	3.3	3.3
-35°	14.7	7.1	4.2	3.3	3.3	3.3	3.3
-37.5°	14.1	6.7	4.2	3.3	3.3	3.3	3.3
-40°	13.3	6.7	4.1	3.3	3.3	3.3	3.3
-42.5°	12.2	6.6	4.2	3.3	3.3	3.3	3.3
-45°	10.9	6.5	4.2	3.4	3.3	3.3	3.3
-47.5°	9.4	6.3	4.3	3.4	3.3	3.3	3.3
-50°	8.9	6.1	4.3	3.4	3.3	3.3	3.3
-52.5°	8.6	5.9	4.2	3.4	3.3	3.3	3.3
-55°	8.2	5.7	4.2	3.4	3.3	3.3	3.3
-57.5°	7.7	5.5	4.0	3.4	3.3	3.3	3.3
-60°	7.3	5.2	3.9	3.4	3.3	3.3	3.3
-62.5°	6.8	4.9	3.9	3.4	3.3	3.3	3.3
-65°	6.2	4.6	3.8	3.4	3.3	3.3	3.3
-67.5°	5.6	4.3	3.7	3.3	3.3	3.3	3.3
-70°	4.9	4.1	3.6	3.3	3.3	3.3	3.3
-72.5°	4.5	3.9	3.5	3.3	3.3	3.3	3.3
-75°	4.2	3.6	3.3	3.3	3.3	3.3	3.3
-77.5°	3.8	3.4	3.3	3.3	3.3	3.3	3.3
-80°	3.4	3.3	3.3	3.3	3.3	3.3	3.3
-82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-90°	1.7	1.7	1.7	1.7	1.7	2.5	3.3

(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

