

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: P731476 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-1S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731476 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-80-1S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

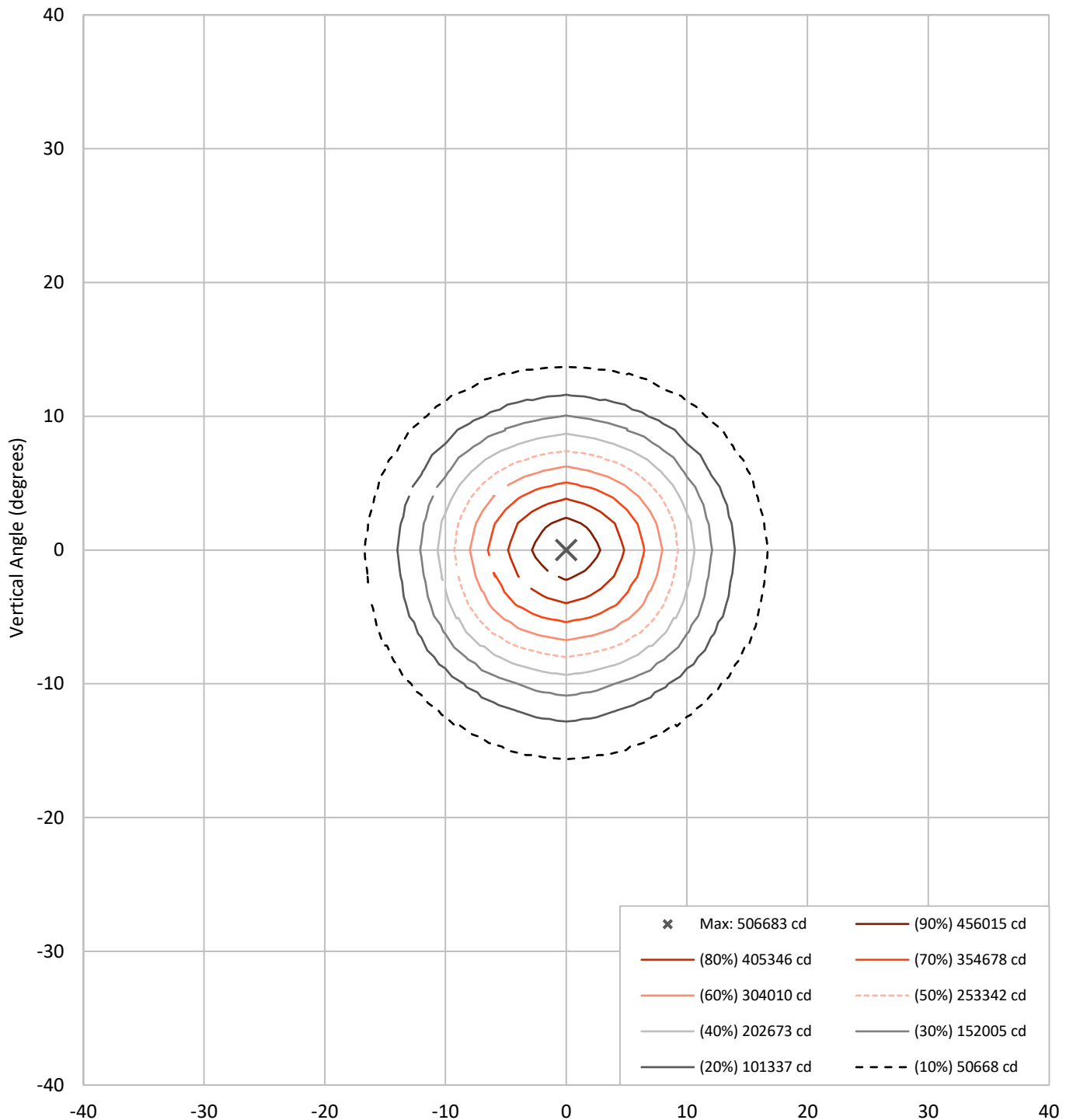
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	52091.8 lumens	Max Intensity:	506683 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	90.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	24024.1 lumens	Field Lumens:	44322 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

Input Watts (W): 577.1
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





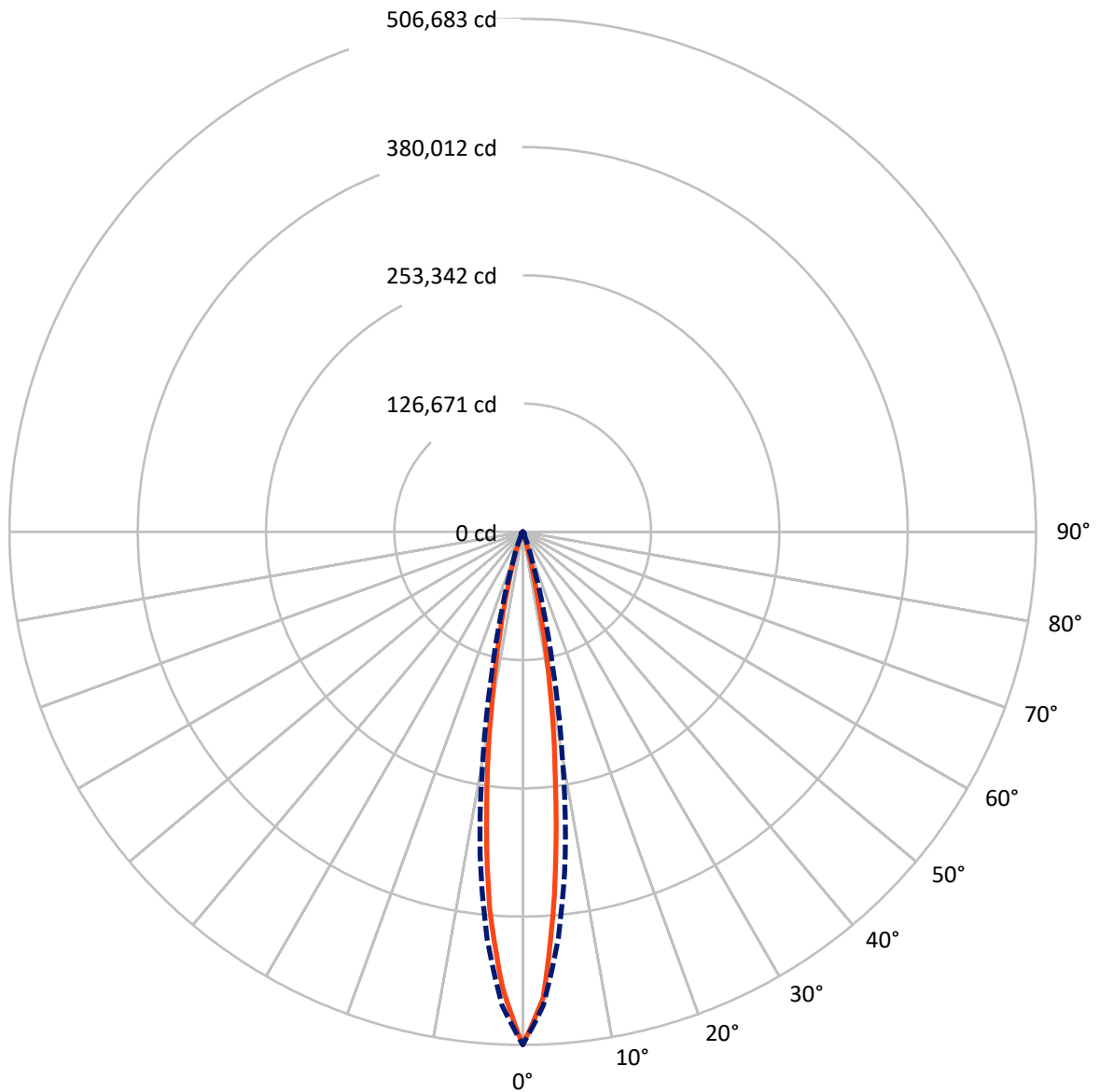
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Lumen Table

90	0.1	0.4	0.6	0.6	0.8	0.6	0.6	0.4	0.1									
80	0.1	0.4	0.6	0.6	0.8	0.6	0.6	0.4	0.1									
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.1	0.2		
60		0.1	0.3	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.3	0.1			
50	0.2	0.2	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.2	0.2		
40		0.3	0.6	0.8	1.4	1.9	2.0	2.3	2.3	2.0	1.9	1.4	0.8	0.6	0.3			
30	0.3	0.5	1.3	3.1	5.8	6.6	9.4	18.9	18.9	9.4	6.6	5.8	3.1	1.3	0.5	0.3		
20		1.0	4.2	14.2	26.5	35.2	261.1	1087.7	1087.7	261.1	35.2	26.5	14.2	4.2	1.0			
10	0.4	1.7	8.4	35.8	57.9	131.7	1916.1	8303.0	8303.0	1916.1	131.7	57.9	35.8	8.4	1.7	0.4		
0		2.1	9.8	41.2	67.9	134.9	2056.4	8678.5	8678.5	2056.4	134.9	67.9	41.2	9.8	2.1			
-10	0.5	2.2	8.5	31.1	56.0	61.7	438.6	1703.5	1703.5	438.6	61.7	56.0	31.1	8.5	2.2	0.5		
-20		2.2	7.4	17.5	45.1	52.2	57.6	112.1	112.1	57.6	52.2	45.1	17.5	7.4	2.2			
-30	0.4	1.9	6.3	11.1	27.6	52.2	61.0	61.6	61.6	61.0	52.2	27.6	11.1	6.3	1.9	0.4		
-40		1.3	4.7	9.6	15.0	26.3	44.4	58.3	58.3	44.4	26.3	15.0	9.6	4.7	1.3			
-50	0.3	0.6	2.6	6.2	11.2	15.5	18.2	20.3	20.3	18.2	15.5	11.2	6.2	2.6	0.6	0.3		
-60		0.3	0.9	2.5	4.9	7.7	10.2	12.1	12.1	10.2	7.7	4.9	2.5	0.9	0.3			
-70	0.2	0.9	2.3	5.5	9.2	5.5	2.3	0.9	0.2							0.2		
-80		0.2	0.9	2.3	5.5	9.2	5.5	2.3	0.9	0.2								
-90	0.2	0.9	2.3	5.5	9.2	5.5	2.3	0.9	0.2									

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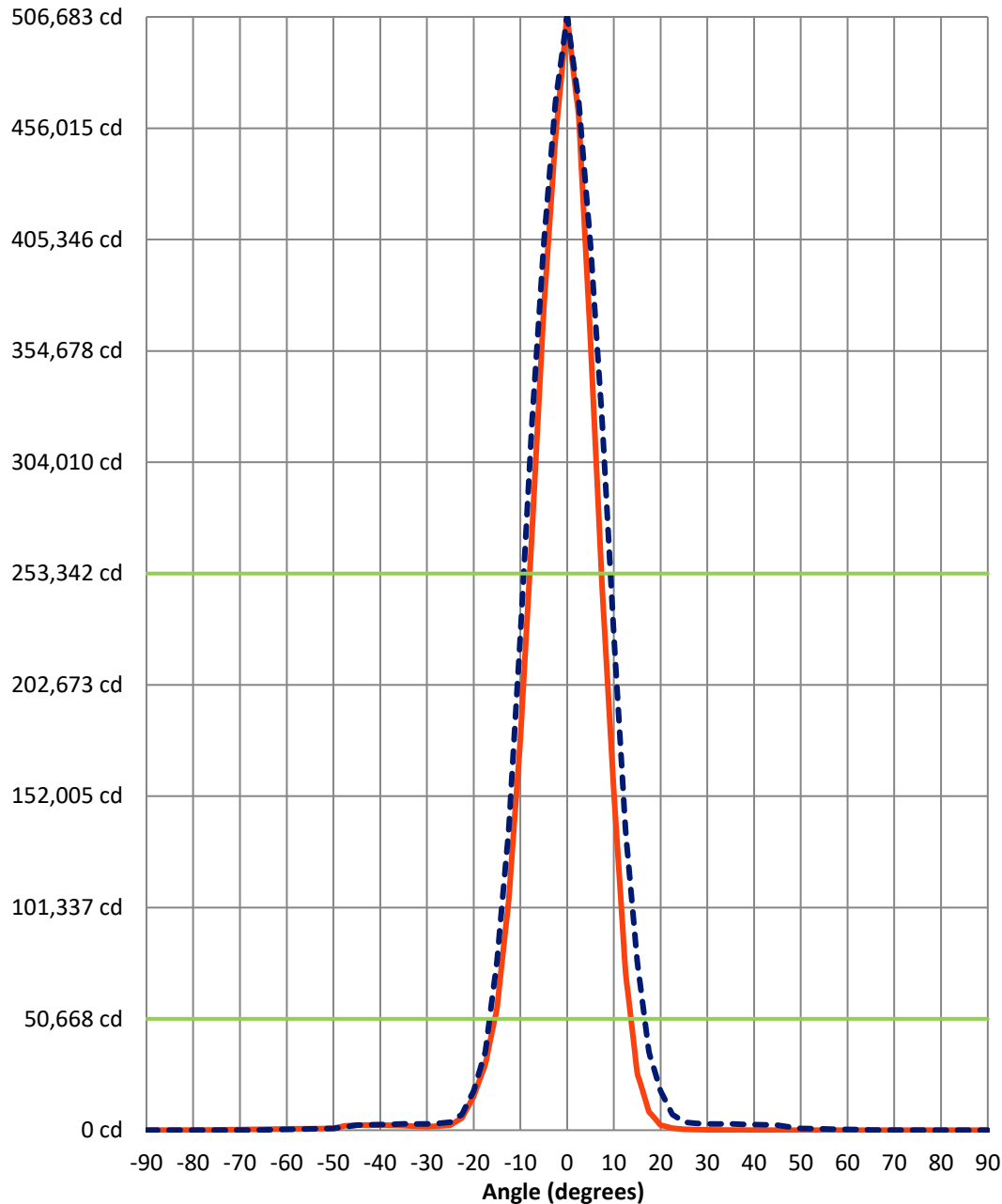
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.6°
 V Angle: 15.4°
 Lumens: 24024.1
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 29.1°
 Lumens: 44322
 Efficiency: 85.1%

Spill:
 Lumens: 7769.9
 Efficiency: 14.9%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.4	6.4	6.4	6.7	7.1	7.4	7.7	7.7	7.7	7.7	7.7
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
80°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
77.5°	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.4	6.4
75°	6.4	6.4	6.4	6.4	6.4	6.6	6.5	6.4	6.4	6.5	6.5
72.5°	6.4	6.4	6.4	6.4	6.7	6.8	6.5	6.5	6.7	6.7	6.5
70°	6.4	6.4	6.4	6.4	6.9	7.0	6.7	6.8	6.9	6.9	7.0
67.5°	6.4	6.4	6.4	6.7	7.2	7.2	7.0	7.1	7.2	7.4	7.6
65°	6.4	6.4	6.4	7.0	7.5	7.5	7.4	7.5	7.7	7.9	8.0
62.5°	6.4	6.4	6.4	7.2	7.7	7.8	7.8	7.9	8.1	8.4	8.2
60°	6.4	6.4	6.4	7.5	8.0	8.1	8.2	8.3	8.6	8.7	8.4
57.5°	6.4	6.4	6.6	7.8	8.3	8.4	8.6	8.7	9.0	9.0	8.9
55°	6.4	6.4	6.7	8.0	8.5	8.7	9.1	9.2	9.4	9.4	9.6
52.5°	6.4	6.4	6.9	8.3	8.8	9.1	9.5	9.7	9.8	10.0	10.2
50°	6.4	6.4	7.1	8.6	9.0	9.5	10.0	10.3	10.3	10.5	11.8
47.5°	6.4	6.4	7.2	8.9	9.3	9.9	10.6	11.0	10.7	11.1	13.4
45°	6.4	6.4	7.3	9.1	9.5	10.4	11.2	11.7	11.5	12.4	14.9
42.5°	6.4	6.4	7.4	9.3	9.8	10.8	11.9	12.5	12.4	13.6	16.4
40°	6.4	6.4	7.5	9.3	10.1	11.3	12.6	13.3	13.5	14.9	17.8
37.5°	6.4	6.4	7.6	9.4	10.4	11.8	13.3	14.2	15.0	16.6	18.8
35°	6.4	6.4	7.7	9.4	10.8	12.3	14.1	15.1	16.5	18.4	19.6
32.5°	6.4	6.4	7.8	9.4	11.1	12.9	14.9	16.1	17.9	20.4	21.8
30°	6.4	6.4	7.8	9.5	11.5	13.5	15.7	17.2	19.3	22.6	24.2
27.5°	6.4	6.4	7.9	9.5	11.6	14.1	16.5	18.4	20.8	24.8	26.9
25°	6.4	6.4	7.9	9.5	11.6	14.8	17.3	19.5	22.7	27.2	29.9
22.5°	6.4	6.4	7.9	9.5	11.6	15.2	18.2	20.7	24.6	29.6	34.5
20°	6.4	6.4	7.9	9.4	11.6	15.1	19.0	21.8	26.6	32.2	39.5
17.5°	6.4	6.4	7.9	9.4	11.5	15.0	19.1	22.8	28.5	34.8	44.7
15°	6.4	6.4	7.9	9.4	11.4	14.9	18.8	23.3	30.5	37.5	50.1
12.5°	6.4	6.4	7.9	9.3	11.3	14.6	18.4	22.9	31.3	40.2	55.6
10°	6.4	6.4	7.9	9.3	11.1	14.4	17.9	22.6	31.3	41.5	60.8
7.5°	6.4	6.4	7.8	9.2	10.9	14.1	17.4	22.2	31.1	42.6	65.6
5°	6.4	6.4	7.8	9.2	10.7	13.7	16.8	21.7	30.7	43.6	70.3
2.5°	6.4	6.4	7.8	9.1	10.5	13.3	16.2	21.2	30.2	44.4	74.7
0°	6.4	6.4	7.7	9.0	10.3	12.9	15.5	20.6	29.6	45.1	78.6
-2.5°	6.4	6.4	7.7	9.0	10.4	13.0	16.2	22.8	34.9	54.0	90.9
-5°	6.4	6.5	7.7	9.0	10.5	13.1	16.8	24.9	39.9	62.4	102.3
-7.5°	6.4	6.5	7.7	9.0	10.6	13.2	17.3	26.7	44.5	70.2	112.6
-10°	6.4	6.5	7.7	8.9	10.6	13.3	17.8	28.3	48.5	77.2	121.8
-12.5°	6.4	6.5	7.7	8.9	10.7	13.3	18.1	29.6	51.8	83.4	130.5
-15°	6.4	6.6	7.6	8.9	10.7	13.3	18.4	30.5	55.2	89.8	138.0
-17.5°	6.4	6.6	7.6	8.8	10.7	13.3	18.5	32.0	58.8	95.1	143.9
-20°	6.4	6.6	7.6	8.8	10.7	13.2	18.7	33.6	61.3	99.3	148.0



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.4	6.6	7.6	8.7	10.6	13.2	19.3	34.5	62.8	102.2	150.2
-25°	6.4	6.6	7.6	8.6	10.5	13.3	19.5	34.6	63.2	103.8	150.4
-27.5°	6.4	6.7	7.5	8.6	10.4	13.4	19.4	33.9	62.3	104.1	151.7
-30°	6.4	6.7	7.5	8.5	10.2	13.4	18.9	32.3	61.1	102.9	151.3
-32.5°	6.4	6.7	7.5	8.4	10.2	13.4	18.0	31.4	59.2	100.0	149.1
-35°	6.4	6.7	7.5	8.3	10.1	13.3	17.6	30.3	56.0	95.3	145.1
-37.5°	6.4	6.7	7.5	8.2	10.0	13.2	17.5	28.7	51.4	88.9	134.2
-40°	6.4	6.7	7.5	8.1	9.9	13.0	17.2	26.5	45.6	82.0	121.5
-42.5°	6.4	6.7	7.5	8.0	9.8	12.9	16.8	23.7	41.1	72.0	107.6
-45°	6.4	6.7	7.5	8.0	9.8	12.6	16.3	21.5	37.2	60.7	92.8
-47.5°	6.4	6.7	7.5	7.9	9.8	12.4	15.7	20.7	32.5	48.8	79.2
-50°	6.4	6.7	7.5	8.0	9.7	12.0	15.2	19.8	26.5	42.0	64.8
-52.5°	6.4	6.7	7.5	8.0	9.6	11.7	14.8	18.7	23.5	34.8	50.2
-55°	6.4	6.7	7.5	8.1	9.4	11.5	14.3	17.6	21.8	27.2	41.6
-57.5°	6.4	6.7	7.5	8.1	9.3	11.2	13.7	16.9	20.1	24.0	32.6
-60°	6.4	6.7	7.5	8.1	9.1	11.0	13.1	16.0	18.4	21.9	25.5
-62.5°	6.4	6.7	7.5	8.1	9.1	10.7	12.7	15.1	17.4	19.8	23.2
-65°	6.4	6.6	7.4	8.1	9.0	10.4	12.3	14.2	16.3	18.4	20.8
-67.5°	6.4	6.6	7.3	8.0	8.8	10.1	11.8	13.6	15.2	17.1	19.1
-70°	6.4	6.6	7.2	8.0	8.7	9.8	11.3	12.9	14.4	15.9	17.7
-72.5°	6.4	6.6	7.1	7.9	8.5	9.5	10.8	12.2	13.6	15.0	16.3
-75°	6.4	6.6	7.0	7.7	8.3	9.1	10.3	11.5	12.8	14.1	15.3
-77.5°	6.4	6.5	6.9	7.5	8.1	8.8	9.7	10.7	11.8	13.1	14.3
-80°	6.4	6.5	6.8	7.4	7.9	8.5	9.0	9.9	10.8	11.8	12.9
-82.5°	6.4	6.5	6.7	7.2	7.7	8.2	8.7	9.1	9.7	10.5	11.3
-85°	6.4	6.5	6.6	7.1	7.5	7.9	8.4	8.7	9.0	9.4	9.9
-87.5°	6.4	6.4	6.5	6.9	7.3	7.7	8.0	8.2	8.4	8.6	8.8
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4



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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°	7.7	7.7	7.7	7.7	8.0	8.4	8.7	9.0	9.0	9.0	9.0
87.5°	6.1	5.8	5.5	5.2	4.9	4.6	4.2	3.9	3.9	3.9	3.9
85°	6.1	5.8	5.5	5.2	5.0	4.7	4.6	4.4	4.4	4.3	4.1
82.5°	6.1	5.8	5.5	5.2	5.1	5.2	5.2	5.2	4.9	4.6	4.3
80°	6.1	5.8	5.7	5.6	5.6	5.6	5.4	5.2	4.9	4.7	4.5
77.5°	6.2	6.1	6.1	6.2	6.2	6.0	5.9	5.9	5.8	5.7	5.5
75°	6.3	6.4	6.5	6.5	6.3	6.3	6.4	6.4	6.3	6.2	6.2
72.5°	6.6	6.8	6.7	6.6	6.4	6.4	6.4	6.4	7.2	8.4	9.4
70°	7.1	7.2	6.9	6.6	6.4	6.8	8.3	10.0	11.8	13.6	15.8
67.5°	7.6	7.3	7.0	6.9	7.9	9.6	11.6	16.3	22.0	24.5	25.5
65°	7.7	7.4	7.7	8.7	10.1	13.6	18.7	25.4	32.5	33.8	33.1
62.5°	7.8	8.1	9.0	10.8	13.6	18.2	24.7	32.1	40.3	40.5	35.3
60°	8.3	8.8	10.8	13.8	17.1	22.2	29.7	35.5	41.4	43.8	33.5
57.5°	9.0	10.4	13.4	17.0	21.2	24.8	28.9	34.5	36.9	36.8	27.1
55°	10.2	12.5	16.3	20.7	23.8	23.0	25.7	27.7	28.1	26.1	18.9
52.5°	12.2	14.9	19.6	23.4	24.1	21.7	20.2	21.1	19.8	16.9	14.7
50°	14.2	18.0	22.6	25.1	23.8	19.5	16.1	16.2	15.3	14.0	12.6
47.5°	16.4	20.7	25.2	26.3	21.8	18.6	15.6	14.4	13.8	13.2	12.1
45°	18.5	22.7	27.5	24.6	21.1	19.3	16.9	14.2	14.2	13.8	13.7
42.5°	20.2	24.2	26.2	23.0	22.6	21.2	19.1	16.6	15.5	16.1	16.5
40°	21.3	25.4	25.2	25.2	24.7	23.9	22.6	20.5	18.3	19.8	20.6
37.5°	22.1	25.2	26.0	28.8	27.8	27.6	26.7	26.9	25.4	24.6	27.7
35°	22.6	25.8	30.3	33.6	33.1	32.0	33.7	34.7	34.2	33.2	38.1
32.5°	23.3	27.1	35.7	39.3	40.6	39.9	42.0	44.0	46.1	48.6	56.5
30°	25.8	32.1	41.9	45.8	49.8	54.4	53.4	54.9	60.6	79.0	96.1
27.5°	30.7	38.6	48.0	54.4	61.5	72.3	74.7	71.8	89.4	118.6	149.0
25°	36.4	58.1	54.7	64.6	79.0	93.8	101.9	108.1	132.2	174.9	206.7
22.5°	47.4	83.9	83.4	75.8	98.7	118.7	138.0	180.7	241.4	260.9	267.1
20°	66.4	109.6	117.8	120.3	128.1	146.4	179.2	279.7	401.1	446.8	397.9
17.5°	88.6	137.8	155.7	175.2	199.1	204.6	232.5	398.8	599.8	668.5	668.7
15°	113.5	168.0	195.9	235.6	274.9	299.8	392.4	593.4	814.8	923.6	985.8
12.5°	140.2	199.6	238.0	300.0	354.4	398.0	600.2	920.8	1126.7	1221.7	1403.0
10°	167.7	232.2	281.2	367.3	436.4	498.2	834.0	1270.1	1470.7	1563.7	1770.8
7.5°	195.1	262.6	323.3	435.7	519.7	599.2	1082.8	1631.0	1802.6	1885.5	2054.3
5°	221.4	289.5	356.7	487.8	585.6	681.9	1308.6	1990.6	2124.3	2191.1	2286.3
2.5°	245.7	315.1	388.7	534.5	638.5	734.1	1406.8	2148.5	2295.1	2395.4	2476.6
0°	266.8	339.0	418.9	577.4	688.3	782.4	1478.4	2278.8	2433.4	2553.3	2651.3
-2.5°	267.8	344.0	428.8	575.6	677.2	774.6	1410.0	2249.3	2480.9	2660.8	2807.6
-5°	265.3	347.0	436.1	570.1	663.5	763.0	1320.0	2178.7	2490.6	2682.1	2832.1
-7.5°	260.0	347.7	440.3	560.1	643.2	733.6	1241.3	2034.4	2378.0	2542.0	2701.3
-10°	253.1	345.7	434.0	536.8	613.9	693.2	1141.3	1866.6	2262.6	2403.5	2551.4
-12.5°	247.1	341.7	424.7	513.8	584.1	651.7	1010.4	1682.1	2148.2	2270.9	2389.0
-15°	240.0	336.4	414.2	492.4	554.7	609.8	847.0	1486.9	2036.4	2174.2	2265.5
-17.5°	232.5	329.9	402.8	473.6	526.1	568.3	653.6	1252.3	1850.3	2060.3	2167.2
-20°	225.0	322.5	390.8	458.4	499.2	539.0	596.1	1013.3	1560.0	1922.9	2059.4



REPORT NUMBER: P731476 (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°	218.0	314.3	379.1	442.9	484.8	520.2	565.8	780.6	1253.5	1767.4	1932.1
-25°	215.4	301.6	367.7	427.9	474.2	502.3	534.7	585.3	970.4	1458.8	1789.0
-27.5°	214.7	291.0	354.3	412.0	465.9	487.1	511.9	550.5	747.8	1142.3	1612.6
-30°	211.4	275.9	339.4	395.4	449.7	478.5	494.2	524.7	577.6	880.7	1266.4
-32.5°	201.6	259.8	321.7	377.7	430.5	473.4	485.4	511.1	550.2	636.8	949.8
-35°	189.3	244.6	302.6	358.6	410.7	458.6	485.4	500.5	526.6	568.0	708.6
-37.5°	177.8	228.2	282.8	337.7	388.6	437.1	483.8	497.2	514.7	544.2	597.8
-40°	164.4	210.8	263.3	315.5	364.7	412.7	458.7	497.7	508.2	538.0	575.5
-42.5°	149.1	194.0	243.2	292.1	338.1	385.0	431.4	475.1	516.0	536.4	565.4
-45°	132.3	175.0	222.0	265.7	308.7	354.6	399.8	445.2	498.1	545.6	565.0
-47.5°	114.0	154.2	198.1	237.4	277.5	320.1	365.3	413.1	466.3	519.0	573.4
-50°	95.3	132.4	170.6	207.8	244.6	283.6	325.2	375.6	426.4	479.0	531.7
-52.5°	78.1	109.2	143.4	177.6	211.4	245.7	285.6	331.2	380.1	430.5	477.4
-55°	59.9	87.6	115.5	147.0	178.7	209.2	244.5	285.6	328.0	374.5	416.9
-57.5°	46.5	65.8	89.9	115.7	144.9	174.4	206.5	239.5	277.2	316.2	351.3
-60°	36.0	48.5	65.8	87.6	110.0	138.0	168.2	198.2	228.6	257.3	287.2
-62.5°	26.6	36.4	47.4	61.3	80.8	101.6	127.3	154.8	182.5	206.9	228.7
-65°	23.9	26.7	34.3	44.0	53.2	71.5	90.9	110.4	134.2	155.5	175.4
-67.5°	21.2	23.7	26.2	30.0	38.6	48.1	58.0	75.0	92.0	106.8	121.6
-70°	19.3	20.8	22.9	25.1	27.4	31.8	40.2	48.9	57.6	67.9	80.8
-72.5°	17.7	19.0	20.3	21.6	23.7	26.0	28.5	31.0	36.1	43.0	50.1
-75°	16.3	17.2	18.4	19.5	20.8	22.2	23.8	25.9	27.9	29.7	31.3
-77.5°	15.0	15.7	16.5	17.4	18.4	19.4	20.6	21.9	23.1	24.5	26.0
-80°	13.6	14.2	14.7	15.3	15.9	16.7	17.5	18.3	19.0	19.7	20.5
-82.5°	11.8	12.2	12.7	13.1	13.5	13.9	14.3	14.8	15.0	15.3	15.5
-85°	10.1	10.3	10.6	10.9	11.1	11.4	11.7	11.9	11.8	11.7	11.6
-87.5°	8.9	9.0	9.1	9.2	9.4	9.6	9.8	9.9	9.7	9.5	9.3
-90°	6.1	5.8	5.5	5.2	4.9	4.6	4.2	3.9	3.9	3.9	3.9



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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	12.5	16.1	19.6	23.2	31.9	40.6
87.5°	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.3	1.3
85°	3.9	3.6	3.3	2.9	2.6	2.6	2.5	2.5	2.5	2.2	1.9
82.5°	3.9	3.8	3.6	3.6	3.5	3.4	3.1	2.9	2.6	2.3	2.0
80°	4.3	4.3	4.2	4.1	3.9	3.6	3.3	3.0	2.6	2.6	2.6
77.5°	5.4	5.2	4.8	4.5	4.0	3.8	3.7	3.7	3.7	3.5	3.2
75°	6.3	6.2	6.1	5.8	5.2	5.1	5.1	5.1	5.0	4.7	4.5
72.5°	10.2	10.3	9.9	9.5	8.8	8.5	8.5	8.4	8.2	8.1	8.0
70°	17.1	17.3	16.7	15.4	13.5	12.2	11.7	11.0	10.3	10.4	11.1
67.5°	24.7	22.9	21.2	19.1	16.3	14.2	13.2	12.1	10.9	10.2	10.0
65°	29.9	23.7	20.2	17.8	16.3	14.8	13.1	11.5	10.1	9.2	8.7
62.5°	28.5	20.2	16.6	14.9	13.6	12.5	10.8	9.3	8.0	7.2	7.2
60°	24.5	16.9	13.0	11.6	10.3	9.1	8.2	7.4	6.8	6.5	6.9
57.5°	19.1	13.3	10.2	9.7	9.0	8.1	7.6	7.4	6.9	6.4	6.8
55°	14.0	11.7	10.4	9.9	9.6	9.2	8.7	8.1	7.6	7.2	7.5
52.5°	12.1	11.4	11.3	11.2	10.4	9.7	9.0	8.8	8.7	8.5	8.7
50°	11.8	11.7	11.7	11.4	10.8	10.4	10.2	10.1	10.0	9.9	9.9
47.5°	12.1	12.3	12.3	11.7	11.5	11.7	11.6	11.5	11.7	11.8	12.1
45°	13.3	13.7	13.8	14.0	13.6	14.0	14.1	14.0	16.1	16.3	15.4
42.5°	16.1	17.9	19.1	18.6	17.0	20.4	25.4	27.7	25.4	22.1	20.0
40°	22.9	25.1	26.0	27.7	34.5	39.6	34.9	30.1	28.1	29.8	31.2
37.5°	32.1	34.9	43.1	53.5	49.7	40.4	41.4	41.8	40.9	43.6	44.0
35°	46.9	60.2	70.0	66.9	62.2	61.3	63.5	64.2	58.0	60.9	61.8
32.5°	75.2	91.3	92.1	88.0	90.2	90.7	97.0	92.8	87.5	90.1	97.2
30°	108.6	124.5	130.3	122.9	109.3	116.9	123.4	121.4	125.2	136.3	147.9
27.5°	160.6	171.0	180.7	165.7	138.7	150.5	155.1	150.5	176.2	190.0	217.4
25°	222.9	234.6	242.2	229.7	211.0	201.3	215.9	226.9	258.2	288.9	331.8
22.5°	290.6	322.1	331.2	298.6	298.5	298.4	304.0	341.3	383.5	451.0	564.2
20°	369.6	432.3	482.4	449.2	406.7	435.4	470.9	516.7	637.0	943.0	1290.9
17.5°	649.5	605.6	697.8	700.8	639.7	706.7	834.3	998.4	1506.1	3067.1	4090.5
15°	1105.2	1058.9	1001.6	1004.6	1065.0	1196.4	1457.4	2366.3	4608.7	7940.4	11383.8
12.5°	1570.4	1501.0	1416.7	1394.2	1526.1	1790.6	3022.0	6762.4	12042.4	17792.1	32541.5
10°	1937.5	1900.6	1822.7	1880.8	2101.0	2877.9	5396.2	11883.7	22778.9	41827.8	65332.3
7.5°	2152.9	2138.9	2159.8	2330.5	2689.4	4734.7	10271.7	19915.1	37869.1	66735.4	109080.8
5°	2369.1	2380.9	2444.6	2679.3	3138.7	6022.5	14497.2	27674.5	54831.7	97263.5	162838.4
2.5°	2608.8	2619.6	2705.1	3000.8	3526.3	6223.8	15502.9	32616.1	69521.8	125126.2	212050.1
0°	2884.5	2822.7	2848.5	3117.8	3660.5	7259.0	17891.1	35766.8	76943.0	136699.9	225357.7
-2.5°	2982.4	2850.1	2825.9	3053.4	3529.1	6432.9	15982.0	33259.7	70670.5	125234.3	210138.9
-5°	2916.1	2735.2	2662.8	2848.9	3300.4	5640.7	13438.3	30263.9	62744.5	107131.8	178063.4
-7.5°	2750.9	2577.5	2470.8	2610.9	3005.1	4648.0	10293.6	22917.9	45670.8	79265.9	126492.2
-10°	2609.1	2442.9	2280.3	2325.2	2598.2	3459.8	6408.2	15011.6	30174.0	53506.7	80420.2
-12.5°	2486.4	2347.1	2103.7	2029.7	2182.7	2587.1	4472.6	10231.8	19300.7	30352.5	49218.3
-15°	2359.4	2245.2	2002.2	1885.2	1939.7	2136.7	2647.4	4914.5	10568.2	17989.0	26116.3
-17.5°	2218.6	2140.2	1994.1	1821.2	1747.3	1826.5	2070.4	2770.5	4696.5	9321.3	14388.9
-20°	2123.2	2079.6	1972.3	1820.5	1725.5	1688.9	1773.6	1987.9	2461.0	4233.5	6416.7



REPORT NUMBER: P731476 (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°	2003.7	1985.5	1913.1	1869.7	1800.2	1721.7	1647.5	1713.9	1871.0	2112.5	2866.9
-25°	1890.6	1895.0	1899.7	1956.9	1945.7	1836.0	1695.2	1594.4	1647.2	1723.0	1875.7
-27.5°	1765.5	1827.6	1924.0	2031.5	2081.5	1988.7	1822.8	1671.7	1626.7	1582.4	1647.0
-30°	1655.6	1782.0	1885.3	2016.7	2102.9	2075.2	1989.7	1887.8	1777.5	1700.7	1675.5
-32.5°	1372.0	1722.6	1818.1	1923.8	2052.5	2093.5	2083.7	2044.5	1997.3	1943.3	1887.3
-35°	1066.3	1455.5	1775.7	1836.5	1920.7	2042.0	2137.6	2144.2	2138.0	2118.2	2103.2
-37.5°	753.1	1123.5	1460.9	1731.7	1832.6	1913.5	2059.8	2171.7	2235.2	2230.2	2231.7
-40°	625.4	727.4	1066.8	1379.8	1611.9	1828.2	1944.9	2091.2	2207.6	2255.0	2291.1
-42.5°	603.3	642.8	683.4	918.2	1216.9	1478.7	1679.9	1865.7	2029.9	2147.1	2240.1
-45°	587.7	614.5	645.2	684.2	726.3	960.1	1220.2	1462.0	1620.1	1778.2	1943.2
-47.5°	587.1	593.7	615.4	642.8	669.6	707.5	751.0	810.0	984.9	1143.7	1311.4
-50°	569.6	596.1	603.4	611.8	628.9	649.8	670.2	691.5	711.4	724.0	741.0
-52.5°	517.8	552.1	584.2	609.3	615.8	622.1	628.0	641.8	655.1	666.2	678.8
-55°	455.2	491.6	526.9	555.8	581.7	606.1	624.4	627.5	631.5	636.4	644.0
-57.5°	387.5	422.8	456.3	486.5	514.9	541.3	560.3	574.5	587.7	600.3	616.6
-60°	317.9	349.1	379.7	408.9	436.9	463.5	481.0	495.4	507.9	520.2	537.0
-62.5°	249.6	273.6	301.2	327.6	351.9	374.8	392.9	408.3	421.1	434.0	449.6
-65°	194.1	211.9	232.4	251.6	269.6	290.8	310.4	326.5	339.3	352.0	366.0
-67.5°	138.5	155.0	174.1	192.0	208.7	224.9	241.3	256.8	271.1	285.6	300.1
-70°	92.6	104.2	118.1	133.3	148.9	163.6	177.7	191.2	204.0	216.9	229.3
-72.5°	57.4	64.6	72.3	82.5	93.0	103.3	113.3	123.3	133.2	144.8	156.3
-75°	32.7	35.6	41.5	47.1	52.5	57.4	61.8	65.4	68.5	75.3	82.8
-77.5°	27.5	28.9	30.5	32.0	33.5	35.6	38.0	40.4	42.8	48.4	54.4
-80°	21.4	22.4	23.4	24.5	25.7	27.3	28.9	30.5	32.0	36.0	40.3
-82.5°	15.8	16.3	16.7	17.1	17.5	18.7	20.0	21.3	22.5	25.8	29.2
-85°	11.5	11.7	11.9	12.0	12.2	13.2	14.4	15.4	16.5	19.8	23.1
-87.5°	9.0	9.0	9.0	9.0	9.0	10.2	11.3	12.3	13.2	16.8	20.3
-90°	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.3	1.3



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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°	49.3	58.0	49.0	40.0	49.0	58.0	49.3	40.6	31.9	23.2	19.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
85°	1.6	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2	2.5	2.5
82.5°	1.6	1.3	1.9	2.6	1.9	1.3	1.6	2.0	2.3	2.6	2.9
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.0
77.5°	2.9	2.6	2.6	2.6	2.6	2.6	2.9	3.2	3.5	3.7	3.7
75°	4.2	3.9	3.9	3.9	3.9	3.9	4.2	4.5	4.7	5.0	5.1
72.5°	7.8	7.6	7.7	7.7	7.7	7.6	7.8	8.0	8.1	8.2	8.4
70°	11.8	12.7	12.9	12.9	12.9	12.7	11.8	11.1	10.4	10.3	11.0
67.5°	9.6	9.2	9.0	9.0	9.0	9.2	9.6	10.0	10.2	10.9	12.1
65°	8.2	7.8	7.7	7.7	7.7	7.8	8.2	8.7	9.2	10.1	11.5
62.5°	7.3	7.6	7.7	7.7	7.7	7.6	7.3	7.2	7.2	8.0	9.3
60°	7.2	7.6	7.7	7.7	7.7	7.6	7.2	6.9	6.5	6.8	7.4
57.5°	7.2	7.6	7.7	7.7	7.7	7.6	7.2	6.8	6.4	6.9	7.4
55°	7.6	7.7	8.2	9.0	8.2	7.7	7.6	7.5	7.2	7.6	8.1
52.5°	8.8	8.9	9.0	9.0	9.0	8.9	8.8	8.7	8.5	8.7	8.8
50°	10.1	10.2	10.3	10.3	10.3	10.2	10.1	9.9	9.9	10.0	10.1
47.5°	12.4	12.7	12.8	12.9	12.8	12.7	12.4	12.1	11.8	11.7	11.5
45°	15.6	15.5	15.4	15.5	15.4	15.5	15.6	15.4	16.3	16.1	14.0
42.5°	20.7	21.3	21.7	21.9	21.7	21.3	20.7	20.0	22.1	25.4	27.7
40°	32.8	33.3	32.9	32.2	32.9	33.3	32.8	31.2	29.8	28.1	30.1
37.5°	44.5	45.4	46.0	46.4	46.0	45.4	44.5	44.0	43.6	40.9	41.8
35°	62.5	63.2	62.8	64.4	62.8	63.2	62.5	61.8	60.9	58.0	64.2
32.5°	101.9	102.4	99.2	100.5	99.2	102.4	101.9	97.2	90.1	87.5	92.8
30°	156.0	163.2	167.5	172.7	167.5	163.2	156.0	147.9	136.3	125.2	121.4
27.5°	237.5	255.1	266.6	273.2	266.6	255.1	237.5	217.4	190.0	176.2	150.5
25°	370.9	397.6	411.9	422.8	411.9	397.6	370.9	331.8	288.9	258.2	226.9
22.5°	720.4	822.3	879.2	933.2	879.2	822.3	720.4	564.2	451.0	383.5	341.3
20°	1847.2	1966.2	2190.4	2329.0	2190.4	1966.2	1847.2	1290.9	943.0	637.0	516.7
17.5°	6222.5	7933.2	8252.5	8493.8	8252.5	7933.2	6222.5	4090.5	3067.1	1506.1	998.4
15°	18530.9	23607.9	24974.4	26137.5	24974.4	23607.9	18530.9	11383.8	7940.4	4608.7	2366.3
12.5°	44741.5	58715.1	66315.4	72089.7	66315.4	58715.1	44741.5	32541.5	17792.1	12042.4	6762.4
10°	93740.0	121097.0	141861.1	153886.0	141861.1	121097.0	93740.0	65332.3	41827.8	22778.9	11883.7
7.5°	159635.5	206003.4	233108.0	246904.8	233108.0	206003.4	159635.5	109080.8	66735.4	37869.1	19915.1
5°	240775.1	300631.3	338459.0	359259.4	338459.0	300631.3	240775.1	162838.4	97263.5	54831.7	27674.5
2.5°	300751.0	377540.8	434243.3	460915.1	434243.3	377540.8	300751.0	212050.1	125126.2	69521.8	32616.1
0°	322467.4	403031.5	467851.2	506683.0	467851.2	403031.5	322467.4	225357.7	136699.9	76943.0	35766.8
-2.5°	301736.5	377368.7	427854.4	451347.6	427854.4	377368.7	301736.5	210138.9	125234.3	70670.5	33259.7
-5°	256583.9	321973.5	358253.6	373611.3	358253.6	321973.5	256583.9	178063.4	107131.8	62744.5	30263.9
-7.5°	182041.8	231921.3	257420.6	272547.9	257420.6	231921.3	182041.8	126492.2	79265.9	45670.8	22917.9
-10°	114612.9	142653.2	167044.8	178078.5	167044.8	142653.2	114612.9	80420.2	53506.7	30174.0	15011.6
-12.5°	66561.1	84313.8	98585.7	104648.4	98585.7	84313.8	66561.1	49218.3	30352.5	19300.7	10231.8
-15°	36783.6	46484.9	53055.7	55626.0	53055.7	46484.9	36783.6	26116.3	17989.0	10568.2	4914.5
-17.5°	20454.5	25162.1	27029.8	30024.8	27029.8	25162.1	20454.5	14388.9	9321.3	4696.5	2770.5
-20°	10020.9	12461.8	13244.5	15357.2	13244.5	12461.8	10020.9	6416.7	4233.5	2461.0	1987.9



REPORT NUMBER: P731476 (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°	3892.5	4468.6	4597.0	5598.9	4597.0	4468.6	3892.5	2866.9	2112.5	1871.0	1713.9
-25°	2021.5	2118.6	2163.7	2281.3	2163.7	2118.6	2021.5	1875.7	1723.0	1647.2	1594.4
-27.5°	1699.3	1746.4	1783.9	1840.5	1783.9	1746.4	1699.3	1647.0	1582.4	1626.7	1671.7
-30°	1656.1	1647.9	1649.0	1654.9	1649.0	1647.9	1656.1	1675.5	1700.7	1777.5	1887.8
-32.5°	1842.6	1814.0	1799.8	1746.4	1799.8	1814.0	1842.6	1887.3	1943.3	1997.3	2044.5
-35°	2094.1	2091.8	2093.6	2068.7	2093.6	2091.8	2094.1	2103.2	2118.2	2138.0	2144.2
-37.5°	2232.4	2236.4	2241.4	2233.7	2241.4	2236.4	2232.4	2231.7	2230.2	2235.2	2171.7
-40°	2303.7	2315.3	2323.5	2321.3	2323.5	2315.3	2303.7	2291.1	2255.0	2207.6	2091.2
-42.5°	2286.5	2315.3	2329.4	2334.2	2329.4	2315.3	2286.5	2240.1	2147.1	2029.9	1865.7
-45°	2094.2	2211.6	2282.4	2302.0	2282.4	2211.6	2094.2	1943.2	1778.2	1620.1	1462.0
-47.5°	1500.2	1673.9	1836.7	1979.7	1836.7	1673.9	1500.2	1311.4	1143.7	984.9	810.0
-50°	762.2	781.9	822.0	880.3	822.0	781.9	762.2	741.0	724.0	711.4	691.5
-52.5°	691.3	702.6	713.8	724.4	713.8	702.6	691.3	678.8	666.2	655.1	641.8
-55°	651.4	658.3	663.5	667.6	663.5	658.3	651.4	644.0	636.4	631.5	627.5
-57.5°	630.5	642.1	652.0	659.9	652.0	642.1	630.5	616.6	600.3	587.7	574.5
-60°	551.8	564.5	576.4	586.4	576.4	564.5	551.8	537.0	520.2	507.9	495.4
-62.5°	463.0	474.2	485.8	496.2	485.8	474.2	463.0	449.6	434.0	421.1	408.3
-65°	378.3	389.1	398.8	407.3	398.8	389.1	378.3	366.0	352.0	339.3	326.5
-67.5°	313.5	325.9	338.1	349.3	338.1	325.9	313.5	300.1	285.6	271.1	256.8
-70°	240.5	250.7	259.4	266.8	259.4	250.7	240.5	229.3	216.9	204.0	191.2
-72.5°	166.9	176.3	187.2	197.2	187.2	176.3	166.9	156.3	144.8	133.2	123.3
-75°	90.0	96.9	103.4	109.6	103.4	96.9	90.0	82.8	75.3	68.5	65.4
-77.5°	60.4	66.4	70.7	74.8	70.7	66.4	60.4	54.4	48.4	42.8	40.4
-80°	44.5	48.7	52.1	55.4	52.1	48.7	44.5	40.3	36.0	32.0	30.5
-82.5°	32.6	36.0	38.6	41.2	38.6	36.0	32.6	29.2	25.8	22.5	21.3
-85°	26.3	29.6	32.2	34.8	32.2	29.6	26.3	23.1	19.8	16.5	15.4
-87.5°	23.8	27.2	29.0	30.9	29.0	27.2	23.8	20.3	16.8	13.2	12.3
-90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.1	12.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
87.5°	2.0	2.3	2.6	2.9	3.3	3.6	3.9	3.9	3.9	3.9	3.9
85°	2.5	2.6	2.6	2.9	3.3	3.6	3.9	4.1	4.3	4.4	4.4
82.5°	3.1	3.4	3.5	3.6	3.6	3.8	3.9	4.3	4.6	4.9	5.2
80°	3.3	3.6	3.9	4.1	4.2	4.3	4.3	4.5	4.7	4.9	5.2
77.5°	3.7	3.8	4.0	4.5	4.8	5.2	5.4	5.5	5.7	5.8	5.9
75°	5.1	5.1	5.2	5.8	6.1	6.2	6.3	6.2	6.2	6.3	6.4
72.5°	8.5	8.5	8.8	9.5	9.9	10.3	10.2	9.4	8.4	7.2	6.4
70°	11.7	12.2	13.5	15.4	16.7	17.3	17.1	15.8	13.6	11.8	10.0
67.5°	13.2	14.2	16.3	19.1	21.2	22.9	24.7	25.5	24.5	22.0	16.3
65°	13.1	14.8	16.3	17.8	20.2	23.7	29.9	33.1	33.8	32.5	25.4
62.5°	10.8	12.5	13.6	14.9	16.6	20.2	28.5	35.3	40.5	40.3	32.1
60°	8.2	9.1	10.3	11.6	13.0	16.9	24.5	33.5	43.8	41.4	35.5
57.5°	7.6	8.1	9.0	9.7	10.2	13.3	19.1	27.1	36.8	36.9	34.5
55°	8.7	9.2	9.6	9.9	10.4	11.7	14.0	18.9	26.1	28.1	27.7
52.5°	9.0	9.7	10.4	11.2	11.3	11.4	12.1	14.7	16.9	19.8	21.1
50°	10.2	10.4	10.8	11.4	11.7	11.7	11.8	12.6	14.0	15.3	16.2
47.5°	11.6	11.7	11.5	11.7	12.3	12.3	12.1	12.1	13.2	13.8	14.4
45°	14.1	14.0	13.6	14.0	13.8	13.7	13.3	13.7	13.8	14.2	14.2
42.5°	25.4	20.4	17.0	18.6	19.1	17.9	16.1	16.5	16.1	15.5	16.6
40°	34.9	39.6	34.5	27.7	26.0	25.1	22.9	20.6	19.8	18.3	20.5
37.5°	41.4	40.4	49.7	53.5	43.1	34.9	32.1	27.7	24.6	25.4	26.9
35°	63.5	61.3	62.2	66.9	70.0	60.2	46.9	38.1	33.2	34.2	34.7
32.5°	97.0	90.7	90.2	88.0	92.1	91.3	75.2	56.5	48.6	46.1	44.0
30°	123.4	116.9	109.3	122.9	130.3	124.5	108.6	96.1	79.0	60.6	54.9
27.5°	155.1	150.5	138.7	165.7	180.7	171.0	160.6	149.0	118.6	89.4	71.8
25°	215.9	201.3	211.0	229.7	242.2	234.6	222.9	206.7	174.9	132.2	108.1
22.5°	304.0	298.4	298.5	298.6	331.2	322.1	290.6	267.1	260.9	241.4	180.7
20°	470.9	435.4	406.7	449.2	482.4	432.3	369.6	397.9	446.8	401.1	279.7
17.5°	834.3	706.7	639.7	700.8	697.8	605.6	649.5	668.7	668.5	599.8	398.8
15°	1457.4	1196.4	1065.0	1004.6	1001.6	1058.9	1105.2	985.8	923.6	814.8	593.4
12.5°	3022.0	1790.6	1526.1	1394.2	1416.7	1501.0	1570.4	1403.0	1221.7	1126.7	920.8
10°	5396.2	2877.9	2101.0	1880.8	1822.7	1900.6	1937.5	1770.8	1563.7	1470.7	1270.1
7.5°	10271.7	4734.7	2689.4	2330.5	2159.8	2138.9	2152.9	2054.3	1885.5	1802.6	1631.0
5°	14497.2	6022.5	3138.7	2679.3	2444.6	2380.9	2369.1	2286.3	2191.1	2124.3	1990.6
2.5°	15502.9	6223.8	3526.3	3000.8	2705.1	2619.6	2608.8	2476.6	2395.4	2295.1	2148.5
0°	17891.1	7259.0	3660.5	3117.8	2848.5	2822.7	2884.5	2651.3	2553.3	2433.4	2278.8
-2.5°	15982.0	6432.9	3529.1	3053.4	2825.9	2850.1	2982.4	2807.6	2660.8	2480.9	2249.3
-5°	13438.3	5640.7	3300.4	2848.9	2662.8	2735.2	2916.1	2832.1	2682.1	2490.6	2178.7
-7.5°	10293.6	4648.0	3005.1	2610.9	2470.8	2577.5	2750.9	2701.3	2542.0	2378.0	2034.4
-10°	6408.2	3459.8	2598.2	2325.2	2280.3	2442.9	2609.1	2551.4	2403.5	2262.6	1866.6
-12.5°	4472.6	2587.1	2182.7	2029.7	2103.7	2347.1	2486.4	2389.0	2270.9	2148.2	1682.1
-15°	2647.4	2136.7	1939.7	1885.2	2002.2	2245.2	2359.4	2265.5	2174.2	2036.4	1486.9
-17.5°	2070.4	1826.5	1747.3	1821.2	1994.1	2140.2	2218.6	2167.2	2060.3	1850.3	1252.3
-20°	1773.6	1688.9	1725.5	1820.5	1972.3	2079.6	2123.2	2059.4	1922.9	1560.0	1013.3



REPORT NUMBER: P731476 (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°	1647.5	1721.7	1800.2	1869.7	1913.1	1985.5	2003.7	1932.1	1767.4	1253.5	780.6
-25°	1695.2	1836.0	1945.7	1956.9	1899.7	1895.0	1890.6	1789.0	1458.8	970.4	585.3
-27.5°	1822.8	1988.7	2081.5	2031.5	1924.0	1827.6	1765.5	1612.6	1142.3	747.8	550.5
-30°	1989.7	2075.2	2102.9	2016.7	1885.3	1782.0	1655.6	1266.4	880.7	577.6	524.7
-32.5°	2083.7	2093.5	2052.5	1923.8	1818.1	1722.6	1372.0	949.8	636.8	550.2	511.1
-35°	2137.6	2042.0	1920.7	1836.5	1775.7	1455.5	1066.3	708.6	568.0	526.6	500.5
-37.5°	2059.8	1913.5	1832.6	1731.7	1460.9	1123.5	753.1	597.8	544.2	514.7	497.2
-40°	1944.9	1828.2	1611.9	1379.8	1066.8	727.4	625.4	575.5	538.0	508.2	497.7
-42.5°	1679.9	1478.7	1216.9	918.2	683.4	642.8	603.3	565.4	536.4	516.0	475.1
-45°	1220.2	960.1	726.3	684.2	645.2	614.5	587.7	565.0	545.6	498.1	445.2
-47.5°	751.0	707.5	669.6	642.8	615.4	593.7	587.1	573.4	519.0	466.3	413.1
-50°	670.2	649.8	628.9	611.8	603.4	596.1	569.6	531.7	479.0	426.4	375.6
-52.5°	628.0	622.1	615.8	609.3	584.2	552.1	517.8	477.4	430.5	380.1	331.2
-55°	624.4	606.1	581.7	555.8	526.9	491.6	455.2	416.9	374.5	328.0	285.6
-57.5°	560.3	541.3	514.9	486.5	456.3	422.8	387.5	351.3	316.2	277.2	239.5
-60°	481.0	463.5	436.9	408.9	379.7	349.1	317.9	287.2	257.3	228.6	198.2
-62.5°	392.9	374.8	351.9	327.6	301.2	273.6	249.6	228.7	206.9	182.5	154.8
-65°	310.4	290.8	269.6	251.6	232.4	211.9	194.1	175.4	155.5	134.2	110.4
-67.5°	241.3	224.9	208.7	192.0	174.1	155.0	138.5	121.6	106.8	92.0	75.0
-70°	177.7	163.6	148.9	133.3	118.1	104.2	92.6	80.8	67.9	57.6	48.9
-72.5°	113.3	103.3	93.0	82.5	72.3	64.6	57.4	50.1	43.0	36.1	31.0
-75°	61.8	57.4	52.5	47.1	41.5	35.6	32.7	31.3	29.7	27.9	25.9
-77.5°	38.0	35.6	33.5	32.0	30.5	28.9	27.5	26.0	24.5	23.1	21.9
-80°	28.9	27.3	25.7	24.5	23.4	22.4	21.4	20.5	19.7	19.0	18.3
-82.5°	20.0	18.7	17.5	17.1	16.7	16.3	15.8	15.5	15.3	15.0	14.8
-85°	14.4	13.2	12.2	12.0	11.9	11.7	11.5	11.6	11.7	11.8	11.9
-87.5°	11.3	10.2	9.0	9.0	9.0	9.0	9.0	9.3	9.5	9.7	9.9
-90°	2.0	2.3	2.6	2.9	3.3	3.6	3.9	3.9	3.9	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.7	8.4	8.0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	4.2	4.6	4.9	5.2	5.5	5.8	6.1	6.4	6.4	6.4	6.4
85°	4.6	4.7	5.0	5.2	5.5	5.8	6.1	6.4	6.4	6.4	6.4
82.5°	5.2	5.2	5.1	5.2	5.5	5.8	6.1	6.4	6.4	6.4	6.4
80°	5.4	5.6	5.6	5.6	5.7	5.8	6.1	6.4	6.4	6.4	6.4
77.5°	5.9	6.0	6.2	6.2	6.1	6.1	6.2	6.4	6.4	6.4	6.4
75°	6.4	6.3	6.3	6.5	6.5	6.4	6.3	6.5	6.5	6.4	6.4
72.5°	6.4	6.4	6.4	6.6	6.7	6.8	6.6	6.5	6.7	6.7	6.5
70°	8.3	6.8	6.4	6.6	6.9	7.2	7.1	7.0	6.9	6.9	6.8
67.5°	11.6	9.6	7.9	6.9	7.0	7.3	7.6	7.6	7.4	7.2	7.1
65°	18.7	13.6	10.1	8.7	7.7	7.4	7.7	8.0	7.9	7.7	7.5
62.5°	24.7	18.2	13.6	10.8	9.0	8.1	7.8	8.2	8.4	8.1	7.9
60°	29.7	22.2	17.1	13.8	10.8	8.8	8.3	8.4	8.7	8.6	8.3
57.5°	28.9	24.8	21.2	17.0	13.4	10.4	9.0	8.9	9.0	9.0	8.7
55°	25.7	23.0	23.8	20.7	16.3	12.5	10.2	9.6	9.4	9.4	9.2
52.5°	20.2	21.7	24.1	23.4	19.6	14.9	12.2	10.2	10.0	9.8	9.7
50°	16.1	19.5	23.8	25.1	22.6	18.0	14.2	11.8	10.5	10.3	10.3
47.5°	15.6	18.6	21.8	26.3	25.2	20.7	16.4	13.4	11.1	10.7	11.0
45°	16.9	19.3	21.1	24.6	27.5	22.7	18.5	14.9	12.4	11.5	11.7
42.5°	19.1	21.2	22.6	23.0	26.2	24.2	20.2	16.4	13.6	12.4	12.5
40°	22.6	23.9	24.7	25.2	25.2	25.4	21.3	17.8	14.9	13.5	13.3
37.5°	26.7	27.6	27.8	28.8	26.0	25.2	22.1	18.8	16.6	15.0	14.2
35°	33.7	32.0	33.1	33.6	30.3	25.8	22.6	19.6	18.4	16.5	15.1
32.5°	42.0	39.9	40.6	39.3	35.7	27.1	23.3	21.8	20.4	17.9	16.1
30°	53.4	54.4	49.8	45.8	41.9	32.1	25.8	24.2	22.6	19.3	17.2
27.5°	74.7	72.3	61.5	54.4	48.0	38.6	30.7	26.9	24.8	20.8	18.4
25°	101.9	93.8	79.0	64.6	54.7	58.1	36.4	29.9	27.2	22.7	19.5
22.5°	138.0	118.7	98.7	75.8	83.4	83.9	47.4	34.5	29.6	24.6	20.7
20°	179.2	146.4	128.1	120.3	117.8	109.6	66.4	39.5	32.2	26.6	21.8
17.5°	232.5	204.6	199.1	175.2	155.7	137.8	88.6	44.7	34.8	28.5	22.8
15°	392.4	299.8	274.9	235.6	195.9	168.0	113.5	50.1	37.5	30.5	23.3
12.5°	600.2	398.0	354.4	300.0	238.0	199.6	140.2	55.6	40.2	31.3	22.9
10°	834.0	498.2	436.4	367.3	281.2	232.2	167.7	60.8	41.5	31.3	22.6
7.5°	1082.8	599.2	519.7	435.7	323.3	262.6	195.1	65.6	42.6	31.1	22.2
5°	1308.6	681.9	585.6	487.8	356.7	289.5	221.4	70.3	43.6	30.7	21.7
2.5°	1406.8	734.1	638.5	534.5	388.7	315.1	245.7	74.7	44.4	30.2	21.2
0°	1478.4	782.4	688.3	577.4	418.9	339.0	266.8	78.6	45.1	29.6	20.6
-2.5°	1410.0	774.6	677.2	575.6	428.8	344.0	267.8	90.9	54.0	34.9	22.8
-5°	1320.0	763.0	663.5	570.1	436.1	347.0	265.3	102.3	62.4	39.9	24.9
-7.5°	1241.3	733.6	643.2	560.1	440.3	347.7	260.0	112.6	70.2	44.5	26.7
-10°	1141.3	693.2	613.9	536.8	434.0	345.7	253.1	121.8	77.2	48.5	28.3
-12.5°	1010.4	651.7	584.1	513.8	424.7	341.7	247.1	130.5	83.4	51.8	29.6
-15°	847.0	609.8	554.7	492.4	414.2	336.4	240.0	138.0	89.8	55.2	30.5
-17.5°	653.6	568.3	526.1	473.6	402.8	329.9	232.5	143.9	95.1	58.8	32.0
-20°	596.1	539.0	499.2	458.4	390.8	322.5	225.0	148.0	99.3	61.3	33.6



REPORT NUMBER: P731476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	565.8	520.2	484.8	442.9	379.1	314.3	218.0	150.2	102.2	62.8	34.5
-25°	534.7	502.3	474.2	427.9	367.7	301.6	215.4	150.4	103.8	63.2	34.6
-27.5°	511.9	487.1	465.9	412.0	354.3	291.0	214.7	151.7	104.1	62.3	33.9
-30°	494.2	478.5	449.7	395.4	339.4	275.9	211.4	151.3	102.9	61.1	32.3
-32.5°	485.4	473.4	430.5	377.7	321.7	259.8	201.6	149.1	100.0	59.2	31.4
-35°	485.4	458.6	410.7	358.6	302.6	244.6	189.3	145.1	95.3	56.0	30.3
-37.5°	483.8	437.1	388.6	337.7	282.8	228.2	177.8	134.2	88.9	51.4	28.7
-40°	458.7	412.7	364.7	315.5	263.3	210.8	164.4	121.5	82.0	45.6	26.5
-42.5°	431.4	385.0	338.1	292.1	243.2	194.0	149.1	107.6	72.0	41.1	23.7
-45°	399.8	354.6	308.7	265.7	222.0	175.0	132.3	92.8	60.7	37.2	21.5
-47.5°	365.3	320.1	277.5	237.4	198.1	154.2	114.0	79.2	48.8	32.5	20.7
-50°	325.2	283.6	244.6	207.8	170.6	132.4	95.3	64.8	42.0	26.5	19.8
-52.5°	285.6	245.7	211.4	177.6	143.4	109.2	78.1	50.2	34.8	23.5	18.7
-55°	244.5	209.2	178.7	147.0	115.5	87.6	59.9	41.6	27.2	21.8	17.6
-57.5°	206.5	174.4	144.9	115.7	89.9	65.8	46.5	32.6	24.0	20.1	16.9
-60°	168.2	138.0	110.0	87.6	65.8	48.5	36.0	25.5	21.9	18.4	16.0
-62.5°	127.3	101.6	80.8	61.3	47.4	36.4	26.6	23.2	19.8	17.4	15.1
-65°	90.9	71.5	53.2	44.0	34.3	26.7	23.9	20.8	18.4	16.3	14.2
-67.5°	58.0	48.1	38.6	30.0	26.2	23.7	21.2	19.1	17.1	15.2	13.6
-70°	40.2	31.8	27.4	25.1	22.9	20.8	19.3	17.7	15.9	14.4	12.9
-72.5°	28.5	26.0	23.7	21.6	20.3	19.0	17.7	16.3	15.0	13.6	12.2
-75°	23.8	22.2	20.8	19.5	18.4	17.2	16.3	15.3	14.1	12.8	11.5
-77.5°	20.6	19.4	18.4	17.4	16.5	15.7	15.0	14.3	13.1	11.8	10.7
-80°	17.5	16.7	15.9	15.3	14.7	14.2	13.6	12.9	11.8	10.8	9.9
-82.5°	14.3	13.9	13.5	13.1	12.7	12.2	11.8	11.3	10.5	9.7	9.1
-85°	11.7	11.4	11.1	10.9	10.6	10.3	10.1	9.9	9.4	9.0	8.7
-87.5°	9.8	9.6	9.4	9.2	9.1	9.0	8.9	8.8	8.6	8.4	8.2
-90°	4.2	4.6	4.9	5.2	5.5	5.8	6.1	6.4	6.4	6.4	6.4



REPORT NUMBER: P731476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.7	7.4	7.1	6.7	6.4	6.4	6.4
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
80°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
77.5°	6.4	6.5	6.4	6.4	6.4	6.4	6.4
75°	6.5	6.6	6.4	6.4	6.4	6.4	6.4
72.5°	6.5	6.8	6.7	6.4	6.4	6.4	6.4
70°	6.7	7.0	6.9	6.4	6.4	6.4	6.4
67.5°	7.0	7.2	7.2	6.7	6.4	6.4	6.4
65°	7.4	7.5	7.5	7.0	6.4	6.4	6.4
62.5°	7.8	7.8	7.7	7.2	6.4	6.4	6.4
60°	8.2	8.1	8.0	7.5	6.4	6.4	6.4
57.5°	8.6	8.4	8.3	7.8	6.6	6.4	6.4
55°	9.1	8.7	8.5	8.0	6.7	6.4	6.4
52.5°	9.5	9.1	8.8	8.3	6.9	6.4	6.4
50°	10.0	9.5	9.0	8.6	7.1	6.4	6.4
47.5°	10.6	9.9	9.3	8.9	7.2	6.4	6.4
45°	11.2	10.4	9.5	9.1	7.3	6.4	6.4
42.5°	11.9	10.8	9.8	9.3	7.4	6.4	6.4
40°	12.6	11.3	10.1	9.3	7.5	6.4	6.4
37.5°	13.3	11.8	10.4	9.4	7.6	6.4	6.4
35°	14.1	12.3	10.8	9.4	7.7	6.4	6.4
32.5°	14.9	12.9	11.1	9.4	7.8	6.4	6.4
30°	15.7	13.5	11.5	9.5	7.8	6.4	6.4
27.5°	16.5	14.1	11.6	9.5	7.9	6.4	6.4
25°	17.3	14.8	11.6	9.5	7.9	6.4	6.4
22.5°	18.2	15.2	11.6	9.5	7.9	6.4	6.4
20°	19.0	15.1	11.6	9.4	7.9	6.4	6.4
17.5°	19.1	15.0	11.5	9.4	7.9	6.4	6.4
15°	18.8	14.9	11.4	9.4	7.9	6.4	6.4
12.5°	18.4	14.6	11.3	9.3	7.9	6.4	6.4
10°	17.9	14.4	11.1	9.3	7.9	6.4	6.4
7.5°	17.4	14.1	10.9	9.2	7.8	6.4	6.4
5°	16.8	13.7	10.7	9.2	7.8	6.4	6.4
2.5°	16.2	13.3	10.5	9.1	7.8	6.4	6.4
0°	15.5	12.9	10.3	9.0	7.7	6.4	6.4
-2.5°	16.2	13.0	10.4	9.0	7.7	6.4	6.4
-5°	16.8	13.1	10.5	9.0	7.7	6.5	6.4
-7.5°	17.3	13.2	10.6	9.0	7.7	6.5	6.4
-10°	17.8	13.3	10.6	8.9	7.7	6.5	6.4
-12.5°	18.1	13.3	10.7	8.9	7.7	6.5	6.4
-15°	18.4	13.3	10.7	8.9	7.6	6.6	6.4
-17.5°	18.5	13.3	10.7	8.8	7.6	6.6	6.4
-20°	18.7	13.2	10.7	8.8	7.6	6.6	6.4



REPORT NUMBER: P731476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	19.3	13.2	10.6	8.7	7.6	6.6	6.4
-25°	19.5	13.3	10.5	8.6	7.6	6.6	6.4
-27.5°	19.4	13.4	10.4	8.6	7.5	6.7	6.4
-30°	18.9	13.4	10.2	8.5	7.5	6.7	6.4
-32.5°	18.0	13.4	10.2	8.4	7.5	6.7	6.4
-35°	17.6	13.3	10.1	8.3	7.5	6.7	6.4
-37.5°	17.5	13.2	10.0	8.2	7.5	6.7	6.4
-40°	17.2	13.0	9.9	8.1	7.5	6.7	6.4
-42.5°	16.8	12.9	9.8	8.0	7.5	6.7	6.4
-45°	16.3	12.6	9.8	8.0	7.5	6.7	6.4
-47.5°	15.7	12.4	9.8	7.9	7.5	6.7	6.4
-50°	15.2	12.0	9.7	8.0	7.5	6.7	6.4
-52.5°	14.8	11.7	9.6	8.0	7.5	6.7	6.4
-55°	14.3	11.5	9.4	8.1	7.5	6.7	6.4
-57.5°	13.7	11.2	9.3	8.1	7.5	6.7	6.4
-60°	13.1	11.0	9.1	8.1	7.5	6.7	6.4
-62.5°	12.7	10.7	9.1	8.1	7.5	6.7	6.4
-65°	12.3	10.4	9.0	8.1	7.4	6.6	6.4
-67.5°	11.8	10.1	8.8	8.0	7.3	6.6	6.4
-70°	11.3	9.8	8.7	8.0	7.2	6.6	6.4
-72.5°	10.8	9.5	8.5	7.9	7.1	6.6	6.4
-75°	10.3	9.1	8.3	7.7	7.0	6.6	6.4
-77.5°	9.7	8.8	8.1	7.5	6.9	6.5	6.4
-80°	9.0	8.5	7.9	7.4	6.8	6.5	6.4
-82.5°	8.7	8.2	7.7	7.2	6.7	6.5	6.4
-85°	8.4	7.9	7.5	7.1	6.6	6.5	6.4
-87.5°	8.0	7.7	7.3	6.9	6.5	6.4	6.4
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4

(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

