

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: P731576 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-2S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731576 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-57-80-2S-CV5
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

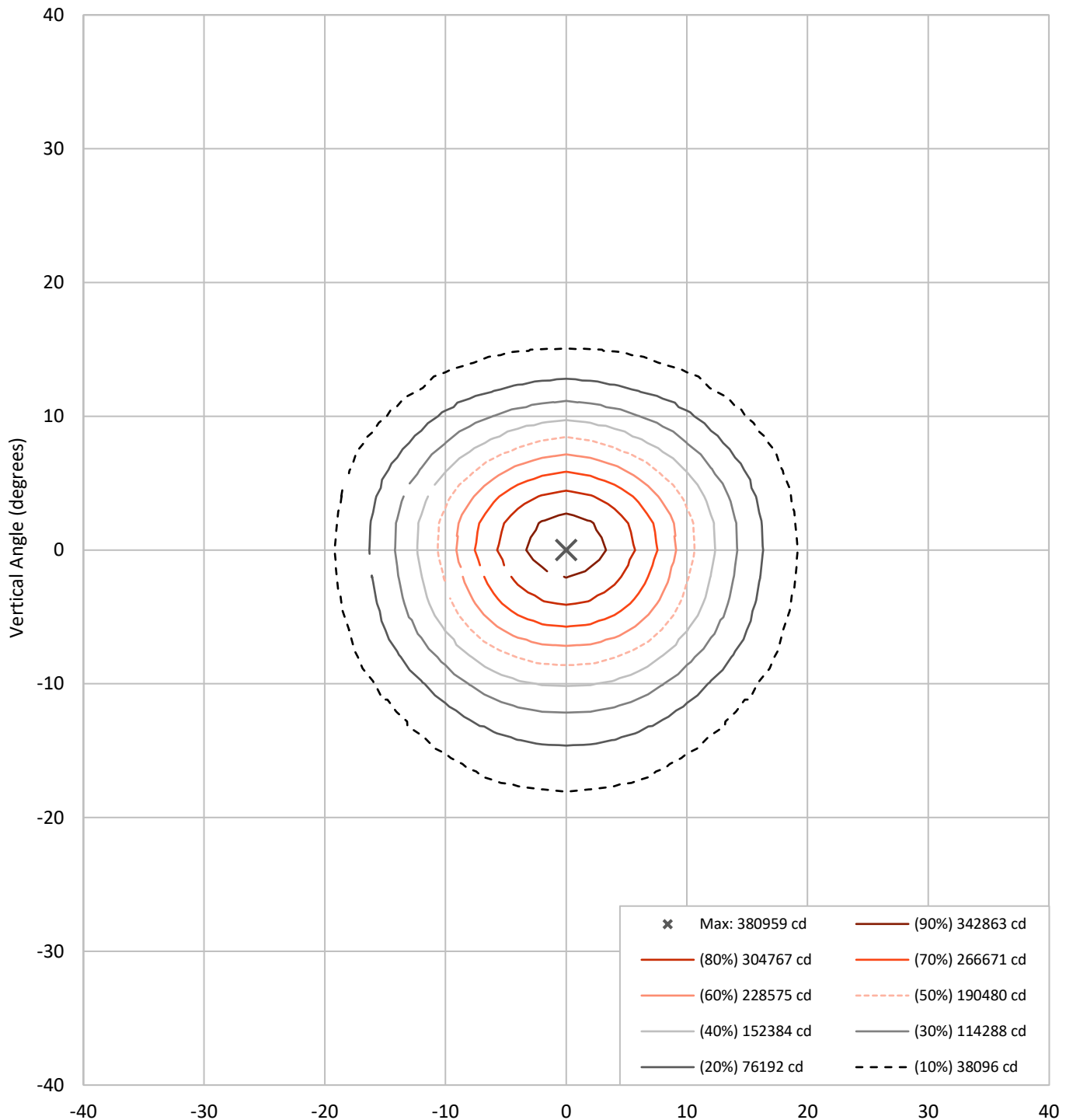
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	51383.6 lumens	Max Intensity:	380959 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	22486.7 lumens	Field Lumens:	43524.6 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 561.4
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





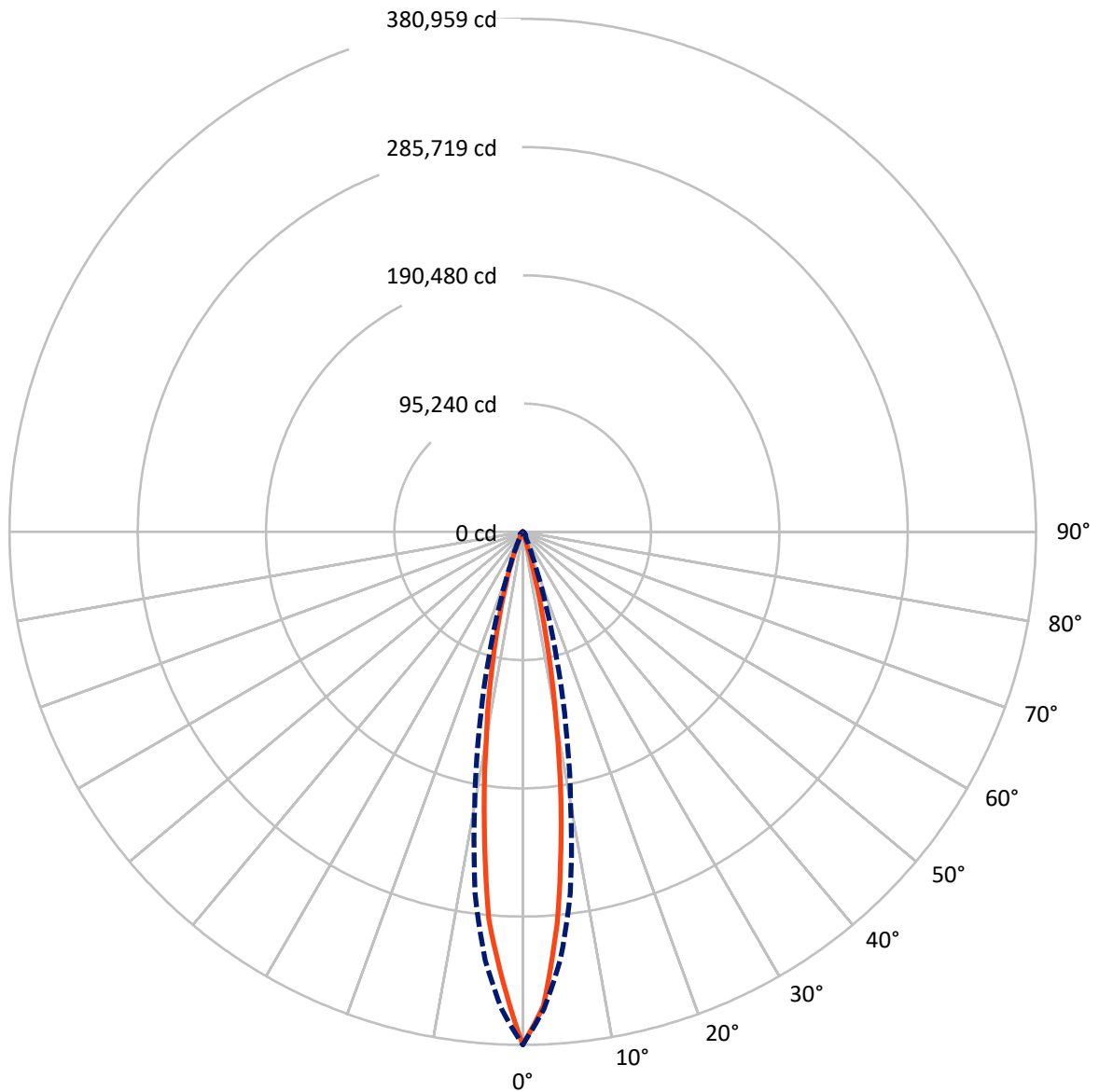
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Lumen Table

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	0.1	0.1	0.2	0.6	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7	0.6	0.2	0.1	0.1			
60		0.1	0.3	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.3	0.1				
50	0.2	0.2	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.2	0.2			
40		0.2	0.5	0.7	1.4	1.9	2.2	2.5	2.5	2.2	1.9	1.4	0.7	0.5	0.2				
30	0.3	0.4	1.3	3.3	6.4	8.3	14.6	30.9	30.9	14.6	8.3	6.4	3.3	1.3	0.4	0.3			
20		1.0	4.7	15.8	33.0	59.9	413.4	1273.3	1273.3	413.4	59.9	33.0	15.8	4.7	1.0				
10	0.3	1.8	9.8	38.4	77.0	244.5	2386.7	7094.7	7094.7	2386.7	244.5	77.0	38.4	9.8	1.8	0.3			
0		2.4	11.6	44.9	87.9	255.1	2436.1	7132.9	7132.9	2436.1	255.1	87.9	44.9	11.6	2.4				
-10	0.5	2.5	10.2	33.5	67.9	110.1	672.7	1998.3	1998.3	672.7	110.1	67.9	33.5	10.2	2.5	0.5			
-20		2.4	8.6	19.9	50.5	71.7	108.4	227.5	227.5	108.4	71.7	50.5	19.9	8.6	2.4				
-30	0.5	2.2	6.9	13.8	30.9	59.1	75.3	80.9	80.9	75.3	59.1	30.9	13.8	6.9	2.2	0.5			
-40		1.5	5.1	11.0	18.7	30.3	49.1	63.9	63.9	49.1	30.3	18.7	11.0	5.1	1.5				
-50	0.3	0.7	3.0	7.0	12.6	18.4	22.8	25.3	25.3	22.8	18.4	12.6	7.0	3.0	0.7	0.3			
-60		0.3	1.0	2.9	5.6	8.7	11.7	13.7	13.7	11.7	8.7	5.6	2.9	1.0	0.3				
-70																			
-80	0.2	1.0	2.6	6.4	10.0	6.4	2.6	1.0	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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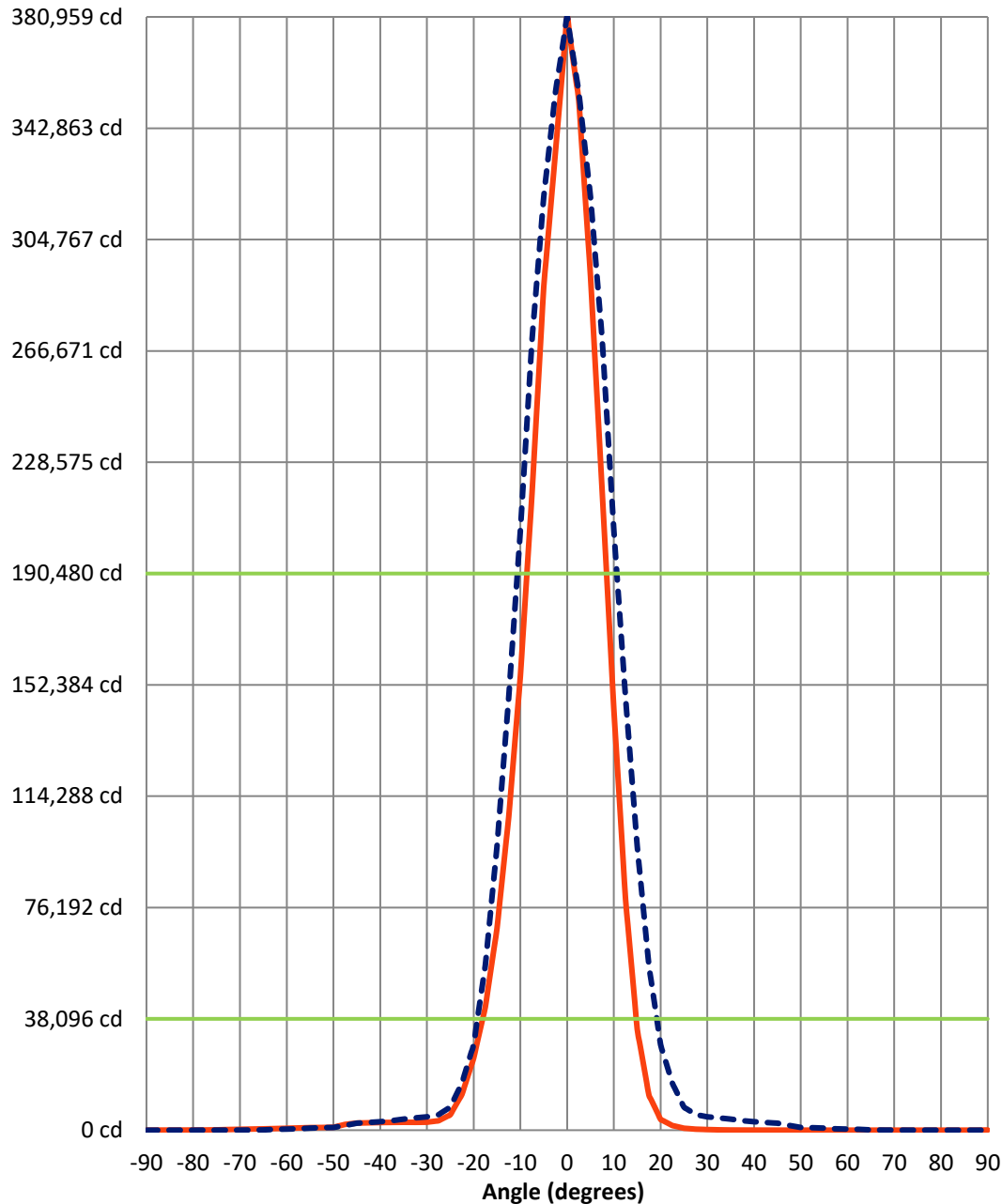
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 21.3°
V Angle: 17°
Lumens: 22486.7
Efficiency: 43.8%

Field:
H Angle: 38.4°
V Angle: 32.9°
Lumens: 43524.6
Efficiency: 84.7%

Spill:
Lumens: 7859
Efficiency: 15.3%

— 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°	6.3	6.3	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.0	5.8	5.6	5.4
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.2	6.1	6.0	6.1
82.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
75°	6.3	6.3	6.3	6.3	6.3	6.4	6.3	6.3	6.3	6.3	6.3
72.5°	6.3	6.3	6.3	6.3	6.5	6.5	6.4	6.3	6.3	6.3	6.3
70°	6.3	6.3	6.3	6.3	6.6	6.7	6.4	6.3	6.3	6.3	6.4
67.5°	6.3	6.3	6.3	6.5	6.8	6.8	6.5	6.3	6.3	6.5	6.5
65°	6.3	6.3	6.3	6.6	6.9	6.9	6.5	6.3	6.6	6.8	6.6
62.5°	6.3	6.3	6.3	6.8	7.1	6.9	6.6	6.6	7.0	7.1	6.7
60°	6.3	6.3	6.3	7.0	7.3	7.0	6.6	7.0	7.4	7.1	6.8
57.5°	6.3	6.3	6.4	7.1	7.3	7.0	7.0	7.5	7.6	7.2	7.3
55°	6.3	6.3	6.5	7.3	7.4	7.1	7.4	7.9	7.6	7.4	7.9
52.5°	6.3	6.3	6.6	7.5	7.4	7.1	7.8	8.1	7.7	8.0	8.6
50°	6.3	6.3	6.8	7.7	7.5	7.5	8.2	8.2	7.9	8.6	9.9
47.5°	6.3	6.3	6.9	7.8	7.5	7.8	8.5	8.4	8.4	9.2	11.1
45°	6.3	6.3	7.0	7.8	7.6	8.1	8.7	8.6	9.0	9.9	12.0
42.5°	6.3	6.3	7.1	7.9	7.6	8.4	9.0	9.0	9.6	10.5	13.3
40°	6.3	6.3	7.2	7.9	7.8	8.7	9.2	9.6	10.3	10.9	14.4
37.5°	6.3	6.3	7.2	8.0	8.0	9.0	9.5	10.1	11.0	12.0	15.5
35°	6.3	6.3	7.3	8.0	8.2	9.2	9.8	10.5	11.8	13.7	16.1
32.5°	6.3	6.3	7.4	8.1	8.4	9.5	10.1	11.0	12.8	15.4	17.4
30°	6.3	6.3	7.5	8.1	8.6	9.7	10.5	11.6	13.7	17.1	19.0
27.5°	6.3	6.3	7.5	8.2	8.8	10.0	10.9	12.3	14.9	18.9	20.8
25°	6.3	6.3	7.6	8.3	9.0	10.3	11.3	13.1	16.3	20.5	23.0
22.5°	6.3	6.3	7.7	8.4	9.1	10.5	11.7	14.0	17.7	22.1	27.4
20°	6.3	6.3	7.7	8.5	9.2	10.6	12.0	14.8	19.1	23.9	32.3
17.5°	6.3	6.3	7.8	8.7	9.3	10.7	12.3	15.6	20.4	25.8	37.5
15°	6.3	6.3	7.8	8.8	9.4	10.8	12.6	16.4	21.7	27.8	42.9
12.5°	6.3	6.3	7.8	8.9	9.4	10.9	12.9	16.9	22.9	29.8	48.5
10°	6.3	6.3	7.9	9.0	9.5	11.0	13.2	17.5	24.2	33.1	55.1
7.5°	6.3	6.3	7.9	9.2	9.5	11.0	13.5	18.0	25.4	36.8	64.0
5°	6.3	6.3	7.9	9.3	9.5	11.1	13.8	18.4	26.5	40.5	72.7
2.5°	6.3	6.3	7.9	9.4	9.5	11.1	14.1	18.7	27.6	44.2	81.0
0°	6.3	6.3	7.9	9.5	9.5	11.1	14.3	19.0	28.5	47.6	88.8
-2.5°	6.3	6.3	8.0	9.6	9.8	11.4	15.5	22.7	35.9	58.9	103.1
-5°	6.3	6.4	8.0	9.7	10.1	11.8	16.7	26.2	43.0	69.6	116.5
-7.5°	6.3	6.4	8.1	9.8	10.3	12.1	17.8	29.5	49.6	79.6	128.7
-10°	6.3	6.4	8.1	9.8	10.6	12.4	18.8	32.4	55.5	88.7	139.6
-12.5°	6.3	6.5	8.2	9.9	10.8	12.7	19.5	34.9	60.6	96.8	149.0
-15°	6.3	6.5	8.2	10.0	11.1	12.9	20.1	36.8	65.2	103.7	156.7
-17.5°	6.3	6.5	8.2	10.0	11.3	13.2	20.5	38.7	69.4	109.5	162.8
-20°	6.3	6.6	8.3	10.0	11.4	13.4	20.9	40.5	72.5	114.0	167.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.3	6.6	8.3	10.1	11.6	13.6	21.4	41.3	74.5	117.3	169.4
-25°	6.3	6.6	8.3	10.1	11.7	13.9	21.5	41.3	75.3	119.2	169.8
-27.5°	6.3	6.6	8.3	10.1	11.8	14.1	21.1	40.3	74.8	119.8	171.2
-30°	6.3	6.6	8.3	10.1	11.9	14.3	20.3	38.2	73.5	118.9	171.0
-32.5°	6.3	6.7	8.3	10.0	11.9	14.4	19.0	36.8	71.0	116.4	169.0
-35°	6.3	6.7	8.2	10.0	11.9	14.4	18.6	35.3	67.0	112.0	165.0
-37.5°	6.3	6.7	8.2	10.0	11.9	14.3	18.6	33.0	61.5	105.8	153.4
-40°	6.3	6.7	8.2	9.9	11.9	14.3	18.4	29.9	54.4	98.1	139.9
-42.5°	6.3	6.7	8.1	9.9	11.9	14.2	18.0	26.1	48.8	85.8	125.1
-45°	6.3	6.7	8.1	9.8	11.8	14.1	17.4	23.3	43.5	72.2	109.0
-47.5°	6.3	6.7	8.0	9.7	11.6	14.0	16.7	22.4	37.3	57.8	92.8
-50°	6.3	6.7	8.0	9.6	11.5	13.8	16.4	21.3	29.4	48.9	75.7
-52.5°	6.3	6.7	7.9	9.5	11.3	13.6	16.1	20.0	25.6	39.5	58.4
-55°	6.3	6.7	7.8	9.4	11.1	13.3	15.8	18.6	23.5	29.8	47.4
-57.5°	6.3	6.7	7.8	9.2	10.9	13.0	15.4	18.1	21.4	25.7	36.0
-60°	6.3	6.6	7.7	9.1	10.7	12.6	14.9	17.4	19.6	23.5	27.2
-62.5°	6.3	6.6	7.6	8.9	10.4	12.2	14.4	16.6	18.6	21.2	24.8
-65°	6.3	6.6	7.5	8.7	10.1	11.8	13.8	15.8	17.6	19.7	22.3
-67.5°	6.3	6.6	7.4	8.5	9.8	11.3	13.2	15.0	16.5	18.3	20.4
-70°	6.3	6.6	7.3	8.3	9.4	10.9	12.5	14.2	15.7	16.9	18.7
-72.5°	6.3	6.5	7.2	8.1	9.1	10.3	11.8	13.5	14.9	16.1	17.1
-75°	6.3	6.5	7.1	7.9	8.7	9.8	11.1	12.6	14.2	15.4	16.5
-77.5°	6.3	6.5	7.0	7.7	8.4	9.3	10.3	11.8	13.2	14.6	15.9
-80°	6.3	6.4	6.8	7.5	8.2	8.8	9.6	10.9	12.2	13.5	14.8
-82.5°	6.3	6.4	6.7	7.3	7.9	8.5	9.1	10.1	11.1	12.3	13.5
-85°	6.3	6.4	6.6	7.1	7.6	8.2	8.7	9.5	10.3	11.2	12.2
-87.5°	6.3	6.3	6.4	6.9	7.4	7.8	8.3	8.9	9.5	10.2	10.8
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	5.9	5.6	5.2	4.8



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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°	9.5	9.5	9.5	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3
87.5°	5.3	5.2	5.0	4.8	4.8	4.8	4.8	4.8	4.4	4.0	3.6
85°	5.9	5.6	5.3	5.0	5.0	5.0	4.9	4.8	4.6	4.4	4.3
82.5°	6.1	5.9	5.9	5.9	5.8	5.5	5.2	4.8	4.8	4.8	4.8
80°	6.2	6.3	6.3	6.3	6.0	5.6	5.2	4.9	4.8	4.8	4.9
77.5°	6.3	6.3	6.3	6.3	6.0	5.8	5.6	5.6	5.6	5.5	5.3
75°	6.3	6.3	6.3	6.3	6.2	6.2	6.3	6.3	6.2	6.0	6.0
72.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.6	9.4	10.6
70°	6.3	6.3	6.3	6.3	6.3	6.8	9.2	12.3	15.4	17.2	19.2
67.5°	6.3	6.3	6.3	6.6	8.2	10.9	14.4	21.0	28.6	30.8	30.8
65°	6.3	6.3	7.1	8.7	10.9	16.2	23.4	32.3	39.1	38.0	35.3
62.5°	6.3	7.1	8.6	11.3	15.8	22.4	29.2	35.7	42.4	40.6	34.5
60°	7.0	8.0	10.9	15.4	20.2	24.8	31.4	35.5	39.1	39.2	30.2
57.5°	7.7	9.8	14.2	18.8	22.5	25.6	28.3	31.5	32.6	31.8	23.2
55°	9.0	12.3	17.0	21.2	23.7	22.3	23.6	24.3	23.9	21.8	15.3
52.5°	11.1	14.7	19.3	22.7	22.7	19.9	17.7	17.8	16.2	13.3	11.3
50°	12.8	17.0	21.4	23.3	21.6	17.1	13.4	13.0	11.9	10.6	9.5
47.5°	14.6	19.1	23.1	23.7	19.3	15.7	12.4	11.3	10.6	10.4	9.9
45°	16.2	20.4	24.5	21.9	18.2	15.5	13.3	11.1	11.3	11.2	10.7
42.5°	17.7	21.2	23.1	20.4	18.6	16.8	15.2	13.6	12.7	13.0	12.9
40°	18.3	21.7	22.0	21.5	19.7	19.1	18.9	17.6	15.1	16.2	16.6
37.5°	18.5	21.4	22.5	24.2	22.3	22.9	23.6	24.0	22.2	21.0	24.1
35°	18.5	21.9	26.3	28.8	27.6	28.2	31.0	32.1	31.4	30.9	36.6
32.5°	18.9	23.0	31.6	34.5	36.5	37.3	39.7	42.0	44.2	47.7	58.6
30°	21.1	27.9	37.8	41.1	47.3	54.1	52.4	53.6	59.4	80.9	99.6
27.5°	25.7	34.6	44.1	51.0	61.2	75.6	77.9	71.6	90.3	123.1	153.8
25°	31.3	55.8	50.9	62.8	82.2	101.6	110.7	114.9	136.9	181.2	215.7
22.5°	43.0	84.0	82.0	75.7	106.4	131.8	154.1	198.4	260.5	274.5	281.9
20°	63.6	112.0	120.0	126.2	142.8	165.8	204.4	310.3	442.7	491.4	440.8
17.5°	88.1	142.6	162.4	191.3	229.2	236.5	268.4	443.8	671.5	751.0	766.4
15°	115.5	175.4	207.4	264.2	321.8	349.2	441.8	659.7	921.9	1051.8	1141.7
12.5°	145.0	209.8	254.4	343.0	419.2	462.6	660.0	992.3	1243.9	1395.6	1632.9
10°	175.5	245.2	302.7	425.8	520.0	575.9	901.0	1335.7	1589.4	1761.7	2067.1
7.5°	207.3	279.3	350.6	510.4	622.6	688.6	1154.8	1682.2	1925.6	2113.6	2421.2
5°	237.8	310.8	393.4	581.6	707.7	786.1	1390.0	2022.2	2252.3	2451.5	2727.1
2.5°	265.7	340.9	434.7	647.0	779.1	859.7	1523.9	2216.5	2460.4	2697.7	2999.5
0°	290.1	369.3	473.9	706.9	846.4	930.4	1632.6	2385.4	2637.4	2895.8	3257.2
-2.5°	293.7	377.9	486.0	701.4	833.8	919.5	1604.1	2359.4	2665.7	2967.2	3344.6
-5°	293.4	384.2	495.0	690.4	817.5	905.4	1548.3	2299.8	2655.5	2954.4	3308.7
-7.5°	290.0	388.0	500.4	674.1	792.2	873.7	1441.0	2153.4	2526.3	2789.7	3130.1
-10°	284.3	386.6	492.9	646.5	756.4	830.8	1303.9	1980.5	2390.4	2621.5	2924.1
-12.5°	276.9	381.1	481.1	616.9	721.4	787.0	1144.9	1784.5	2251.3	2454.4	2702.0
-15°	268.3	374.2	467.2	586.6	688.5	742.7	965.8	1568.5	2114.1	2324.8	2518.7
-17.5°	259.3	366.0	451.5	556.6	659.0	698.7	772.3	1332.9	1918.6	2183.9	2380.4
-20°	250.2	356.9	434.1	527.7	631.1	669.7	717.5	1106.3	1634.3	2021.1	2229.0



REPORT NUMBER: P731576 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	241.8	346.9	417.8	504.1	599.7	653.9	690.7	884.7	1334.3	1839.1	2067.4
-25°	238.5	332.1	404.2	482.1	569.9	639.3	665.9	698.5	1060.9	1544.7	1903.7
-27.5°	237.8	319.7	389.1	458.4	540.2	620.3	648.1	672.1	856.8	1249.0	1714.3
-30°	234.6	302.9	372.3	434.8	511.7	586.7	634.4	660.9	702.4	1005.4	1392.8
-32.5°	224.3	285.0	352.5	414.7	482.1	554.5	623.0	655.5	689.6	772.9	1097.5
-35°	210.9	268.7	331.4	392.7	451.8	523.1	593.4	651.2	676.8	715.6	850.9
-37.5°	198.4	250.6	309.7	369.1	426.2	490.7	561.8	626.6	671.4	701.4	749.7
-40°	184.2	230.9	287.9	344.9	399.7	458.4	524.4	591.3	651.9	703.6	740.7
-42.5°	168.3	213.4	264.6	319.7	371.3	426.7	485.2	550.0	618.7	689.5	742.1
-45°	150.3	194.1	240.3	290.3	340.3	392.3	447.6	505.8	575.5	647.7	717.9
-47.5°	130.7	172.8	216.7	259.0	306.4	355.4	407.1	464.0	525.6	594.0	666.2
-50°	110.1	149.3	190.2	229.2	270.4	316.1	363.8	418.3	475.6	535.5	600.4
-52.5°	90.0	124.2	162.0	199.6	236.0	275.0	319.7	368.7	421.6	476.9	531.0
-55°	68.9	100.0	132.4	167.9	203.1	236.8	274.1	318.2	363.6	413.7	461.7
-57.5°	52.8	75.5	104.2	134.6	167.7	200.9	234.3	267.6	307.4	349.2	388.7
-60°	39.6	55.3	76.7	103.1	130.4	161.6	194.6	226.0	256.4	285.2	319.2
-62.5°	28.0	40.3	54.6	72.5	96.6	121.4	149.7	179.9	210.7	235.6	258.4
-65°	25.4	28.2	37.8	50.8	63.7	85.4	108.0	130.4	156.6	180.7	203.3
-67.5°	22.8	25.3	27.8	32.2	43.9	56.3	68.9	88.7	108.2	125.6	142.7
-70°	20.7	22.5	24.6	26.8	29.2	34.5	45.5	56.4	67.4	80.1	95.2
-72.5°	18.7	20.5	22.1	23.5	25.6	28.1	30.8	33.6	39.9	48.7	57.7
-75°	17.4	18.7	20.3	21.7	22.9	24.3	26.0	28.3	30.5	32.4	34.1
-77.5°	16.5	17.3	18.4	19.7	20.7	21.5	22.5	23.8	25.3	27.0	28.8
-80°	15.4	15.9	16.4	17.2	17.9	18.5	19.2	19.8	20.6	21.7	23.0
-82.5°	13.9	14.3	14.6	15.0	15.3	15.6	16.0	16.5	17.0	17.5	18.1
-85°	12.5	12.7	12.9	13.2	13.1	13.1	13.1	13.1	13.4	13.7	13.9
-87.5°	11.0	11.1	11.2	11.3	11.4	11.3	11.2	11.1	11.2	11.3	11.3
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.4	4.0	3.6



REPORT NUMBER: P731576 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	12.7	12.7	12.7	12.7	12.7	17.0	21.4	25.7	30.1	37.6	45.1
87.5°	3.2	3.2	3.2	3.2	3.2	2.8	2.4	2.0	1.6	1.6	1.6
85°	4.2	4.0	3.8	3.5	3.2	3.1	3.1	3.1	3.1	2.8	2.4
82.5°	4.8	4.4	4.0	3.6	3.2	2.9	2.6	2.2	1.8	1.7	1.6
80°	4.8	4.5	4.1	3.7	3.3	3.1	3.0	3.0	3.0	3.0	3.1
77.5°	5.0	4.8	4.4	3.9	3.3	3.2	3.2	3.2	3.2	2.9	2.5
75°	6.2	6.1	5.9	5.5	4.9	4.6	4.3	3.9	3.3	3.2	3.1
72.5°	11.2	11.2	10.6	10.0	8.8	8.0	7.7	7.4	7.0	6.8	6.7
70°	20.0	19.6	18.5	16.3	13.3	11.2	10.4	9.4	8.3	7.8	7.8
67.5°	28.0	24.9	22.0	18.8	15.1	12.3	10.8	9.2	7.5	6.7	6.5
65°	31.1	24.9	20.6	17.1	14.4	11.8	9.7	7.9	6.1	5.3	5.5
62.5°	28.0	20.6	16.1	13.1	10.8	9.2	7.6	6.3	5.3	4.8	4.9
60°	22.2	15.0	11.1	9.2	7.7	6.4	5.7	4.9	4.3	3.8	4.0
57.5°	16.0	10.7	7.8	7.2	6.3	5.3	4.6	4.3	4.2	4.3	4.6
55°	10.9	8.9	7.9	7.1	6.2	5.4	4.8	4.8	4.8	4.8	4.8
52.5°	9.0	8.5	8.1	7.4	6.5	5.6	4.8	4.8	4.8	4.8	4.8
50°	9.1	8.7	8.2	7.7	6.8	5.9	4.9	5.0	5.3	5.6	5.6
47.5°	9.3	8.8	8.5	8.0	7.2	6.8	6.3	6.4	7.0	7.3	7.1
45°	9.7	9.7	9.6	9.5	8.9	9.0	9.1	9.2	11.3	11.2	9.8
42.5°	11.9	12.7	13.3	13.8	11.8	15.4	20.9	23.4	20.5	16.6	14.0
40°	17.9	18.7	22.5	24.3	29.9	35.2	30.4	24.6	22.0	24.0	25.4
37.5°	28.5	33.8	41.2	49.8	46.3	36.8	37.1	37.0	36.1	39.2	39.1
35°	47.8	59.8	67.2	65.6	60.6	57.9	60.5	63.2	57.0	62.5	64.0
32.5°	76.8	91.4	93.3	88.3	88.6	93.4	102.1	100.8	102.7	109.0	116.2
30°	110.9	128.1	134.8	125.7	119.2	130.6	135.5	139.9	153.9	172.3	188.8
27.5°	167.0	179.5	190.9	181.4	162.4	176.7	186.7	183.7	222.4	243.1	289.4
25°	237.2	255.1	261.6	265.1	258.7	256.0	281.1	293.9	347.4	404.0	500.3
22.5°	323.9	372.6	386.4	368.4	388.6	402.9	419.8	477.1	584.0	757.9	1006.3
20°	434.0	533.3	613.4	600.5	552.8	613.8	682.7	863.2	1175.6	1878.2	2453.2
17.5°	782.3	784.1	944.0	1008.3	929.7	1061.9	1400.5	1987.7	3279.2	5649.1	7185.6
15°	1320.6	1356.2	1429.8	1515.9	1657.3	2002.5	2684.8	5145.2	8850.5	13977.1	19237.6
12.5°	1891.2	1971.6	2097.5	2167.9	2456.5	3380.5	6306.7	11694.4	19515.4	29384.8	45756.3
10°	2381.6	2595.5	2757.7	2978.1	3722.5	5892.9	10942.3	20251.6	36017.1	57309.8	82475.2
7.5°	2728.4	3041.4	3315.7	3730.1	5276.0	9651.0	18119.9	33606.9	57419.8	87489.3	122179.7
5°	3077.1	3473.2	3780.7	4327.0	6268.1	12469.9	23739.7	46120.6	80506.0	121440.1	167834.9
2.5°	3431.4	3876.7	4215.6	4891.4	6902.8	13899.2	26590.9	53588.7	95771.7	145613.9	201940.8
0°	3788.2	4209.8	4566.4	5330.4	7888.6	16148.0	29276.6	56438.8	97194.1	148071.1	205245.4
-2.5°	3771.7	4050.1	4376.7	4968.7	7195.7	14865.1	27211.6	53338.6	92010.3	139201.4	191049.9
-5°	3628.3	3823.8	4082.6	4605.8	6437.5	12390.7	23534.5	45594.2	81265.6	124500.8	169191.5
-7.5°	3405.5	3569.5	3762.9	4194.8	5563.5	9861.9	19036.8	36568.9	64466.0	95789.6	130059.0
-10°	3191.8	3318.3	3455.7	3755.0	4634.5	7228.0	13505.2	24779.2	44875.6	68308.8	94388.2
-12.5°	2994.8	3095.7	3168.7	3295.2	3733.4	5235.4	9710.2	17772.4	29317.4	43833.1	63071.8
-15°	2794.0	2879.6	2917.4	3018.9	3305.5	4048.8	5852.7	10924.2	18327.2	27701.2	37456.0
-17.5°	2578.5	2680.2	2737.0	2802.2	2927.1	3235.0	4230.4	6362.8	10838.4	17131.6	23414.5
-20°	2401.3	2521.0	2569.7	2615.1	2730.2	2911.1	3195.2	4154.1	5788.9	9708.3	13615.3



REPORT NUMBER: P731576 (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°	2230.1	2338.0	2401.4	2498.7	2647.6	2772.8	2865.9	3094.3	3773.4	4842.8	6752.2
-25°	2074.4	2167.7	2292.9	2479.7	2625.5	2714.9	2732.5	2742.2	2935.8	3148.1	3792.7
-27.5°	1917.6	2049.9	2236.2	2447.0	2620.2	2663.8	2666.1	2662.8	2709.0	2741.2	2901.6
-30°	1777.9	1951.3	2127.1	2352.2	2520.7	2591.6	2621.7	2642.4	2666.1	2695.4	2706.1
-32.5°	1493.2	1847.4	1989.8	2170.0	2382.4	2494.6	2551.0	2599.1	2625.4	2651.0	2671.2
-35°	1180.5	1554.2	1894.1	2010.5	2161.3	2351.3	2492.9	2550.5	2598.9	2626.3	2651.9
-37.5°	887.9	1208.2	1538.7	1848.2	2002.1	2136.5	2317.4	2458.3	2547.3	2582.4	2613.2
-40°	782.4	865.6	1157.4	1441.4	1712.5	1968.6	2119.0	2289.2	2425.2	2494.1	2547.5
-42.5°	778.3	808.9	838.7	1038.1	1290.0	1536.9	1770.3	1988.8	2190.5	2327.7	2429.3
-45°	777.5	799.3	824.2	853.9	884.0	1076.7	1292.5	1509.4	1730.7	1938.4	2124.5
-47.5°	727.0	781.2	810.9	834.7	854.7	880.2	909.2	964.0	1144.2	1325.8	1507.8
-50°	657.6	711.8	761.4	808.9	833.0	849.5	865.4	883.4	906.2	929.0	952.4
-52.5°	580.0	631.5	682.0	727.3	766.3	803.8	839.4	855.8	867.8	879.0	888.5
-55°	507.6	551.8	594.6	634.7	673.6	710.2	743.6	772.1	798.5	822.6	841.4
-57.5°	430.8	472.7	512.6	546.3	578.6	609.2	638.7	666.2	691.0	712.9	731.2
-60°	353.7	388.2	423.1	455.3	486.0	514.9	539.4	562.0	582.6	601.5	618.8
-62.5°	281.0	308.0	337.5	364.6	388.9	412.5	438.5	461.1	480.2	496.9	512.5
-65°	224.1	243.3	264.5	285.0	304.8	327.2	351.8	373.3	391.9	407.4	420.7
-67.5°	161.9	180.7	200.9	219.5	236.6	255.3	278.0	299.3	319.3	335.4	348.4
-70°	109.0	122.4	137.7	154.2	170.7	188.3	208.1	227.4	246.0	260.8	273.1
-72.5°	66.9	75.7	84.4	95.5	106.9	120.4	135.6	151.0	166.4	179.0	189.7
-75°	35.7	38.7	45.3	51.5	57.4	65.0	72.8	80.1	86.8	92.9	98.5
-77.5°	30.4	31.7	32.8	33.9	34.9	37.9	41.7	45.6	49.6	53.8	58.0
-80°	24.3	25.2	26.2	27.1	28.1	30.4	32.9	35.4	37.9	40.7	43.5
-82.5°	18.8	19.2	19.7	20.1	20.4	22.1	24.0	25.8	27.6	29.9	32.1
-85°	14.2	14.4	14.6	14.8	15.0	16.4	17.7	19.1	20.4	22.8	25.2
-87.5°	11.4	11.4	11.3	11.3	11.2	13.0	14.7	16.3	17.8	19.8	21.8
-90°	3.2	3.2	3.2	3.2	3.2	2.8	2.4	2.0	1.6	1.2	0.8



REPORT NUMBER: P731576 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	52.7	60.2	64.2	68.2	64.2	60.2	52.7	45.1	37.6	30.1	25.7
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
85°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.1	3.1
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8	2.2
80°	3.1	3.2	2.4	1.6	2.4	3.2	3.1	3.1	3.0	3.0	3.0
77.5°	2.1	1.6	2.4	3.2	2.4	1.6	2.1	2.5	2.9	3.2	3.2
75°	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.2	3.3	3.9
72.5°	6.5	6.3	6.3	6.3	6.3	6.3	6.5	6.7	6.8	7.0	7.4
70°	7.8	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8	8.3	9.4
67.5°	6.4	6.4	5.6	4.8	5.6	6.4	6.4	6.5	6.7	7.5	9.2
65°	5.9	6.2	5.6	4.8	5.6	6.2	5.9	5.5	5.3	6.1	7.9
62.5°	4.9	4.9	4.8	4.8	4.8	4.9	4.9	4.9	4.8	5.3	6.3
60°	4.3	4.7	4.8	4.8	4.8	4.7	4.3	4.0	3.8	4.3	4.9
57.5°	4.7	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.3	4.2	4.3
55°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
52.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
50°	5.4	5.0	4.8	4.8	4.8	5.0	5.4	5.6	5.6	5.3	5.0
47.5°	6.8	6.5	6.3	6.3	6.3	6.5	6.8	7.1	7.3	7.0	6.4
45°	9.8	9.5	9.4	9.5	9.4	9.5	9.8	9.8	11.2	11.3	9.2
42.5°	14.2	14.2	14.2	14.3	14.2	14.2	14.2	14.0	16.6	20.5	23.4
40°	26.6	26.8	26.2	25.4	26.2	26.8	26.6	25.4	24.0	22.0	24.6
37.5°	39.0	39.2	39.2	39.6	39.2	39.2	39.0	39.1	39.2	36.1	37.0
35°	63.1	61.5	58.0	58.6	58.0	61.5	63.1	64.0	62.5	57.0	63.2
32.5°	120.8	119.1	112.4	117.3	112.4	119.1	120.8	116.2	109.0	102.7	100.8
30°	203.3	211.3	214.7	214.0	214.7	211.3	203.3	188.8	172.3	153.9	139.9
27.5°	313.0	330.9	342.1	348.7	342.1	330.9	313.0	289.4	243.1	222.4	183.7
25°	569.5	613.7	638.8	672.0	638.8	613.7	569.5	500.3	404.0	347.4	293.9
22.5°	1273.5	1433.4	1535.0	1607.2	1535.0	1433.4	1273.5	1006.3	757.9	584.0	477.1
20°	3304.2	3291.1	3556.0	3699.4	3556.0	3291.1	3304.2	2453.2	1878.2	1175.6	863.2
17.5°	10343.2	11987.0	12404.2	12047.6	12404.2	11987.0	10343.2	7185.6	5649.1	3279.2	1987.7
15°	26586.8	32077.4	34621.9	34586.4	34621.9	32077.4	26586.8	19237.6	13977.1	8850.5	5145.2
12.5°	57330.7	67934.8	74858.7	79047.4	74858.7	67934.8	57330.7	45756.3	29384.8	19515.4	11694.4
10°	104042.1	122207.5	136693.3	143970.7	136693.3	122207.5	104042.1	82475.2	57309.8	36017.1	20251.6
7.5°	154188.2	183580.3	208398.5	218700.5	208398.5	183580.3	154188.2	122179.7	87489.3	57419.8	33606.9
5°	212281.6	259049.1	282276.9	292285.9	282276.9	259049.1	212281.6	167834.9	121440.1	80506.0	46120.6
2.5°	260883.3	307516.8	339982.5	352321.2	339982.5	307516.8	260883.3	201940.8	145613.9	95771.7	53588.7
0°	270611.8	319362.6	355094.1	380959.0	355094.1	319362.6	270611.8	205245.4	148071.1	97194.1	56438.8
-2.5°	249948.9	297582.8	323691.4	334630.2	323691.4	297582.8	249948.9	191049.9	139201.4	92010.3	53338.6
-5°	217289.5	259567.0	283705.3	288553.3	283705.3	259567.0	217289.5	169191.5	124500.8	81265.6	45594.2
-7.5°	166048.3	195314.3	214353.3	218196.5	214353.3	195314.3	166048.3	130059.0	95789.6	64466.0	36568.9
-10°	120757.5	141858.4	154085.0	155408.1	154085.0	141858.4	120757.5	94388.2	68308.8	44875.6	24779.2
-12.5°	80684.3	97218.1	105865.5	107115.4	105865.5	97218.1	80684.3	63071.8	43833.1	29317.4	17772.4
-15°	50560.6	61315.0	67666.1	69042.8	67666.1	61315.0	50560.6	37456.0	27701.2	18327.2	10924.2
-17.5°	31152.9	36592.9	39924.1	42126.3	39924.1	36592.9	31152.9	23414.5	17131.6	10838.4	6362.8
-20°	18215.7	21743.2	23722.8	24623.0	23722.8	21743.2	18215.7	13615.3	9708.3	5788.9	4154.1



REPORT NUMBER: P731576 (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°	9145.1	10885.4	12070.8	12250.5	12070.8	10885.4	9145.1	6752.2	4842.8	3773.4	3094.3
-25°	4435.2	4919.9	5252.6	5271.7	5252.6	4919.9	4435.2	3792.7	3148.1	2935.8	2742.2
-27.5°	3032.7	3133.5	3198.7	3236.6	3198.7	3133.5	3032.7	2901.6	2741.2	2709.0	2662.8
-30°	2717.3	2732.4	2741.5	2729.4	2741.5	2732.4	2717.3	2706.1	2695.4	2666.1	2642.4
-32.5°	2678.0	2685.1	2690.0	2681.8	2690.0	2685.1	2678.0	2671.2	2651.0	2625.4	2599.1
-35°	2674.9	2694.4	2709.7	2705.6	2709.7	2694.4	2674.9	2651.9	2626.3	2598.9	2550.5
-37.5°	2635.6	2652.8	2664.4	2664.4	2664.4	2652.8	2635.6	2613.2	2582.4	2547.3	2458.3
-40°	2577.3	2600.8	2615.4	2615.3	2615.4	2600.8	2577.3	2547.5	2494.1	2425.2	2289.2
-42.5°	2477.8	2510.8	2526.3	2524.9	2526.3	2510.8	2477.8	2429.3	2327.7	2190.5	1988.8
-45°	2264.2	2370.4	2427.3	2433.0	2427.3	2370.4	2264.2	2124.5	1938.4	1730.7	1509.4
-47.5°	1687.1	1850.6	1950.9	1973.3	1950.9	1850.6	1687.1	1507.8	1325.8	1144.2	964.0
-50°	975.6	997.5	1006.7	1003.3	1006.7	997.5	975.6	952.4	929.0	906.2	883.4
-52.5°	897.7	906.5	913.1	917.7	913.1	906.5	897.7	888.5	879.0	867.8	855.8
-55°	856.6	868.5	876.0	879.7	876.0	868.5	856.6	841.4	822.6	798.5	772.1
-57.5°	746.3	758.1	764.6	767.1	764.6	758.1	746.3	731.2	712.9	691.0	666.2
-60°	633.2	644.7	651.4	654.6	651.4	644.7	633.2	618.8	601.5	582.6	562.0
-62.5°	525.7	536.6	543.1	546.8	543.1	536.6	525.7	512.5	496.9	480.2	461.1
-65°	432.5	442.8	448.4	451.7	448.4	442.8	432.5	420.7	407.4	391.9	373.3
-67.5°	360.0	370.3	377.0	382.0	377.0	370.3	360.0	348.4	335.4	319.3	299.3
-70°	284.4	294.4	298.1	299.6	298.1	294.4	284.4	273.1	260.8	246.0	227.4
-72.5°	199.2	207.6	213.1	217.1	213.1	207.6	199.2	189.7	179.0	166.4	151.0
-75°	103.6	108.2	111.4	114.1	111.4	108.2	103.6	98.5	92.9	86.8	80.1
-77.5°	62.1	66.1	68.0	69.7	68.0	66.1	62.1	58.0	53.8	49.6	45.6
-80°	46.2	48.8	49.8	50.7	49.8	48.8	46.2	43.5	40.7	37.9	35.4
-82.5°	34.3	36.4	37.2	38.0	37.2	36.4	34.3	32.1	29.9	27.6	25.8
-85°	27.6	30.0	30.9	31.7	30.9	30.0	27.6	25.2	22.8	20.4	19.1
-87.5°	23.6	25.5	27.0	28.5	27.0	25.5	23.6	21.8	19.8	17.8	16.3
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.6	2.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.4	17.0	12.7	12.7	12.7	12.7	12.7	12.3	11.9	11.5	11.1
87.5°	2.4	2.8	3.2	3.2	3.2	3.2	3.2	3.6	4.0	4.4	4.8
85°	3.1	3.1	3.2	3.5	3.8	4.0	4.2	4.3	4.4	4.6	4.8
82.5°	2.6	2.9	3.2	3.6	4.0	4.4	4.8	4.8	4.8	4.8	4.8
80°	3.0	3.1	3.3	3.7	4.1	4.5	4.8	4.9	4.8	4.8	4.9
77.5°	3.2	3.2	3.3	3.9	4.4	4.8	5.0	5.3	5.5	5.6	5.6
75°	4.3	4.6	4.9	5.5	5.9	6.1	6.2	6.0	6.0	6.2	6.3
72.5°	7.7	8.0	8.8	10.0	10.6	11.2	11.2	10.6	9.4	7.6	6.3
70°	10.4	11.2	13.3	16.3	18.5	19.6	20.0	19.2	17.2	15.4	12.3
67.5°	10.8	12.3	15.1	18.8	22.0	24.9	28.0	30.8	30.8	28.6	21.0
65°	9.7	11.8	14.4	17.1	20.6	24.9	31.1	35.3	38.0	39.1	32.3
62.5°	7.6	9.2	10.8	13.1	16.1	20.6	28.0	34.5	40.6	42.4	35.7
60°	5.7	6.4	7.7	9.2	11.1	15.0	22.2	30.2	39.2	39.1	35.5
57.5°	4.6	5.3	6.3	7.2	7.8	10.7	16.0	23.2	31.8	32.6	31.5
55°	4.8	5.4	6.2	7.1	7.9	8.9	10.9	15.3	21.8	23.9	24.3
52.5°	4.8	5.6	6.5	7.4	8.1	8.5	9.0	11.3	13.3	16.2	17.8
50°	4.9	5.9	6.8	7.7	8.2	8.7	9.1	9.5	10.6	11.9	13.0
47.5°	6.3	6.8	7.2	8.0	8.5	8.8	9.3	9.9	10.4	10.6	11.3
45°	9.1	9.0	8.9	9.5	9.6	9.7	9.7	10.7	11.2	11.3	11.1
42.5°	20.9	15.4	11.8	13.8	13.3	12.7	11.9	12.9	13.0	12.7	13.6
40°	30.4	35.2	29.9	24.3	22.5	18.7	17.9	16.6	16.2	15.1	17.6
37.5°	37.1	36.8	46.3	49.8	41.2	33.8	28.5	24.1	21.0	22.2	24.0
35°	60.5	57.9	60.6	65.6	67.2	59.8	47.8	36.6	30.9	31.4	32.1
32.5°	102.1	93.4	88.6	88.3	93.3	91.4	76.8	58.6	47.7	44.2	42.0
30°	135.5	130.6	119.2	125.7	134.8	128.1	110.9	99.6	80.9	59.4	53.6
27.5°	186.7	176.7	162.4	181.4	190.9	179.5	167.0	153.8	123.1	90.3	71.6
25°	281.1	256.0	258.7	265.1	261.6	255.1	237.2	215.7	181.2	136.9	114.9
22.5°	419.8	402.9	388.6	368.4	386.4	372.6	323.9	281.9	274.5	260.5	198.4
20°	682.7	613.8	552.8	600.5	613.4	533.3	434.0	440.8	491.4	442.7	310.3
17.5°	1400.5	1061.9	929.7	1008.3	944.0	784.1	782.3	766.4	751.0	671.5	443.8
15°	2684.8	2002.5	1657.3	1515.9	1429.8	1356.2	1320.6	1141.7	1051.8	921.9	659.7
12.5°	6306.7	3380.5	2456.5	2167.9	2097.5	1971.6	1891.2	1632.9	1395.6	1243.9	992.3
10°	10942.3	5892.9	3722.5	2978.1	2757.7	2595.5	2381.6	2067.1	1761.7	1589.4	1335.7
7.5°	18119.9	9651.0	5276.0	3730.1	3315.7	3041.4	2728.4	2421.2	2113.6	1925.6	1682.2
5°	23739.7	12469.9	6268.1	4327.0	3780.7	3473.2	3077.1	2727.1	2451.5	2252.3	2022.2
2.5°	26590.9	13899.2	6902.8	4891.4	4215.6	3876.7	3431.4	2999.5	2697.7	2460.4	2216.5
0°	29276.6	16148.0	7888.6	5330.4	4566.4	4209.8	3788.2	3257.2	2895.8	2637.4	2385.4
-2.5°	27211.6	14865.1	7195.7	4968.7	4376.7	4050.1	3771.7	3344.6	2967.2	2665.7	2359.4
-5°	23534.5	12390.7	6437.5	4605.8	4082.6	3823.8	3628.3	3308.7	2954.4	2655.5	2299.8
-7.5°	19036.8	9861.9	5563.5	4194.8	3762.9	3569.5	3405.5	3130.1	2789.7	2526.3	2153.4
-10°	13505.2	7228.0	4634.5	3755.0	3455.7	3318.3	3191.8	2924.1	2621.5	2390.4	1980.5
-12.5°	9710.2	5235.4	3733.4	3295.2	3168.7	3095.7	2994.8	2702.0	2454.4	2251.3	1784.5
-15°	5852.7	4048.8	3305.5	3018.9	2917.4	2879.6	2794.0	2518.7	2324.8	2114.1	1568.5
-17.5°	4230.4	3235.0	2927.1	2802.2	2737.0	2680.2	2578.5	2380.4	2183.9	1918.6	1332.9
-20°	3195.2	2911.1	2730.2	2615.1	2569.7	2521.0	2401.3	2229.0	2021.1	1634.3	1106.3



REPORT NUMBER: P731576 (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°	2865.9	2772.8	2647.6	2498.7	2401.4	2338.0	2230.1	2067.4	1839.1	1334.3	884.7
-25°	2732.5	2714.9	2625.5	2479.7	2292.9	2167.7	2074.4	1903.7	1544.7	1060.9	698.5
-27.5°	2666.1	2663.8	2620.2	2447.0	2236.2	2049.9	1917.6	1714.3	1249.0	856.8	672.1
-30°	2621.7	2591.6	2520.7	2352.2	2127.1	1951.3	1777.9	1392.8	1005.4	702.4	660.9
-32.5°	2551.0	2494.6	2382.4	2170.0	1989.8	1847.4	1493.2	1097.5	772.9	689.6	655.5
-35°	2492.9	2351.3	2161.3	2010.5	1894.1	1554.2	1180.5	850.9	715.6	676.8	651.2
-37.5°	2317.4	2136.5	2002.1	1848.2	1538.7	1208.2	887.9	749.7	701.4	671.4	626.6
-40°	2119.0	1968.6	1712.5	1441.4	1157.4	865.6	782.4	740.7	703.6	651.9	591.3
-42.5°	1770.3	1536.9	1290.0	1038.1	838.7	808.9	778.3	742.1	689.5	618.7	550.0
-45°	1292.5	1076.7	884.0	853.9	824.2	799.3	777.5	717.9	647.7	575.5	505.8
-47.5°	909.2	880.2	854.7	834.7	810.9	781.2	727.0	666.2	594.0	525.6	464.0
-50°	865.4	849.5	833.0	808.9	761.4	711.8	657.6	600.4	535.5	475.6	418.3
-52.5°	839.4	803.8	766.3	727.3	682.0	631.5	580.0	531.0	476.9	421.6	368.7
-55°	743.6	710.2	673.6	634.7	594.6	551.8	507.6	461.7	413.7	363.6	318.2
-57.5°	638.7	609.2	578.6	546.3	512.6	472.7	430.8	388.7	349.2	307.4	267.6
-60°	539.4	514.9	486.0	455.3	423.1	388.2	353.7	319.2	285.2	256.4	226.0
-62.5°	438.5	412.5	388.9	364.6	337.5	308.0	281.0	258.4	235.6	210.7	179.9
-65°	351.8	327.2	304.8	285.0	264.5	243.3	224.1	203.3	180.7	156.6	130.4
-67.5°	278.0	255.3	236.6	219.5	200.9	180.7	161.9	142.7	125.6	108.2	88.7
-70°	208.1	188.3	170.7	154.2	137.7	122.4	109.0	95.2	80.1	67.4	56.4
-72.5°	135.6	120.4	106.9	95.5	84.4	75.7	66.9	57.7	48.7	39.9	33.6
-75°	72.8	65.0	57.4	51.5	45.3	38.7	35.7	34.1	32.4	30.5	28.3
-77.5°	41.7	37.9	34.9	33.9	32.8	31.7	30.4	28.8	27.0	25.3	23.8
-80°	32.9	30.4	28.1	27.1	26.2	25.2	24.3	23.0	21.7	20.6	19.8
-82.5°	24.0	22.1	20.4	20.1	19.7	19.2	18.8	18.1	17.5	17.0	16.5
-85°	17.7	16.4	15.0	14.8	14.6	14.4	14.2	13.9	13.7	13.4	13.1
-87.5°	14.7	13.0	11.2	11.3	11.3	11.4	11.4	11.3	11.3	11.2	11.1
-90°	2.4	2.8	3.2	3.2	3.2	3.2	3.2	3.6	4.0	4.4	4.8



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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°	10.7	10.3	9.9	9.5	9.5	9.5	9.5	9.5	9.1	8.7	8.3
87.5°	4.8	4.8	4.8	4.8	5.0	5.2	5.3	5.4	5.6	5.8	6.0
85°	4.9	5.0	5.0	5.0	5.3	5.6	5.9	6.1	6.0	6.1	6.2
82.5°	5.2	5.5	5.8	5.9	5.9	5.9	6.1	6.3	6.3	6.3	6.3
80°	5.2	5.6	6.0	6.3	6.3	6.3	6.2	6.3	6.3	6.3	6.3
77.5°	5.6	5.8	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
75°	6.3	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
72.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
70°	9.2	6.8	6.3	6.3	6.3	6.3	6.3	6.4	6.3	6.3	6.3
67.5°	14.4	10.9	8.2	6.6	6.3	6.3	6.3	6.5	6.5	6.3	6.3
65°	23.4	16.2	10.9	8.7	7.1	6.3	6.3	6.6	6.8	6.6	6.3
62.5°	29.2	22.4	15.8	11.3	8.6	7.1	6.3	6.7	7.1	7.0	6.6
60°	31.4	24.8	20.2	15.4	10.9	8.0	7.0	6.8	7.1	7.4	7.0
57.5°	28.3	25.6	22.5	18.8	14.2	9.8	7.7	7.3	7.2	7.6	7.5
55°	23.6	22.3	23.7	21.2	17.0	12.3	9.0	7.9	7.4	7.6	7.9
52.5°	17.7	19.9	22.7	22.7	19.3	14.7	11.1	8.6	8.0	7.7	8.1
50°	13.4	17.1	21.6	23.3	21.4	17.0	12.8	9.9	8.6	7.9	8.2
47.5°	12.4	15.7	19.3	23.7	23.1	19.1	14.6	11.1	9.2	8.4	8.4
45°	13.3	15.5	18.2	21.9	24.5	20.4	16.2	12.0	9.9	9.0	8.6
42.5°	15.2	16.8	18.6	20.4	23.1	21.2	17.7	13.3	10.5	9.6	9.0
40°	18.9	19.1	19.7	21.5	22.0	21.7	18.3	14.4	10.9	10.3	9.6
37.5°	23.6	22.9	22.3	24.2	22.5	21.4	18.5	15.5	12.0	11.0	10.1
35°	31.0	28.2	27.6	28.8	26.3	21.9	18.5	16.1	13.7	11.8	10.5
32.5°	39.7	37.3	36.5	34.5	31.6	23.0	18.9	17.4	15.4	12.8	11.0
30°	52.4	54.1	47.3	41.1	37.8	27.9	21.1	19.0	17.1	13.7	11.6
27.5°	77.9	75.6	61.2	51.0	44.1	34.6	25.7	20.8	18.9	14.9	12.3
25°	110.7	101.6	82.2	62.8	50.9	55.8	31.3	23.0	20.5	16.3	13.1
22.5°	154.1	131.8	106.4	75.7	82.0	84.0	43.0	27.4	22.1	17.7	14.0
20°	204.4	165.8	142.8	126.2	120.0	112.0	63.6	32.3	23.9	19.1	14.8
17.5°	268.4	236.5	229.2	191.3	162.4	142.6	88.1	37.5	25.8	20.4	15.6
15°	441.8	349.2	321.8	264.2	207.4	175.4	115.5	42.9	27.8	21.7	16.4
12.5°	660.0	462.6	419.2	343.0	254.4	209.8	145.0	48.5	29.8	22.9	16.9
10°	901.0	575.9	520.0	425.8	302.7	245.2	175.5	55.1	33.1	24.2	17.5
7.5°	1154.8	688.6	622.6	510.4	350.6	279.3	207.3	64.0	36.8	25.4	18.0
5°	1390.0	786.1	707.7	581.6	393.4	310.8	237.8	72.7	40.5	26.5	18.4
2.5°	1523.9	859.7	779.1	647.0	434.7	340.9	265.7	81.0	44.2	27.6	18.7
0°	1632.6	930.4	846.4	706.9	473.9	369.3	290.1	88.8	47.6	28.5	19.0
-2.5°	1604.1	919.5	833.8	701.4	486.0	377.9	293.7	103.1	58.9	35.9	22.7
-5°	1548.3	905.4	817.5	690.4	495.0	384.2	293.4	116.5	69.6	43.0	26.2
-7.5°	1441.0	873.7	792.2	674.1	500.4	388.0	290.0	128.7	79.6	49.6	29.5
-10°	1303.9	830.8	756.4	646.5	492.9	386.6	284.3	139.6	88.7	55.5	32.4
-12.5°	1144.9	787.0	721.4	616.9	481.1	381.1	276.9	149.0	96.8	60.6	34.9
-15°	965.8	742.7	688.5	586.6	467.2	374.2	268.3	156.7	103.7	65.2	36.8
-17.5°	772.3	698.7	659.0	556.6	451.5	366.0	259.3	162.8	109.5	69.4	38.7
-20°	717.5	669.7	631.1	527.7	434.1	356.9	250.2	167.0	114.0	72.5	40.5



REPORT NUMBER: P731576 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	690.7	653.9	599.7	504.1	417.8	346.9	241.8	169.4	117.3	74.5	41.3
-25°	665.9	639.3	569.9	482.1	404.2	332.1	238.5	169.8	119.2	75.3	41.3
-27.5°	648.1	620.3	540.2	458.4	389.1	319.7	237.8	171.2	119.8	74.8	40.3
-30°	634.4	586.7	511.7	434.8	372.3	302.9	234.6	171.0	118.9	73.5	38.2
-32.5°	623.0	554.5	482.1	414.7	352.5	285.0	224.3	169.0	116.4	71.0	36.8
-35°	593.4	523.1	451.8	392.7	331.4	268.7	210.9	165.0	112.0	67.0	35.3
-37.5°	561.8	490.7	426.2	369.1	309.7	250.6	198.4	153.4	105.8	61.5	33.0
-40°	524.4	458.4	399.7	344.9	287.9	230.9	184.2	139.9	98.1	54.4	29.9
-42.5°	485.2	426.7	371.3	319.7	264.6	213.4	168.3	125.1	85.8	48.8	26.1
-45°	447.6	392.3	340.3	290.3	240.3	194.1	150.3	109.0	72.2	43.5	23.3
-47.5°	407.1	355.4	306.4	259.0	216.7	172.8	130.7	92.8	57.8	37.3	22.4
-50°	363.8	316.1	270.4	229.2	190.2	149.3	110.1	75.7	48.9	29.4	21.3
-52.5°	319.7	275.0	236.0	199.6	162.0	124.2	90.0	58.4	39.5	25.6	20.0
-55°	274.1	236.8	203.1	167.9	132.4	100.0	68.9	47.4	29.8	23.5	18.6
-57.5°	234.3	200.9	167.7	134.6	104.2	75.5	52.8	36.0	25.7	21.4	18.1
-60°	194.6	161.6	130.4	103.1	76.7	55.3	39.6	27.2	23.5	19.6	17.4
-62.5°	149.7	121.4	96.6	72.5	54.6	40.3	28.0	24.8	21.2	18.6	16.6
-65°	108.0	85.4	63.7	50.8	37.8	28.2	25.4	22.3	19.7	17.6	15.8
-67.5°	68.9	56.3	43.9	32.2	27.8	25.3	22.8	20.4	18.3	16.5	15.0
-70°	45.5	34.5	29.2	26.8	24.6	22.5	20.7	18.7	16.9	15.7	14.2
-72.5°	30.8	28.1	25.6	23.5	22.1	20.5	18.7	17.1	16.1	14.9	13.5
-75°	26.0	24.3	22.9	21.7	20.3	18.7	17.4	16.5	15.4	14.2	12.6
-77.5°	22.5	21.5	20.7	19.7	18.4	17.3	16.5	15.9	14.6	13.2	11.8
-80°	19.2	18.5	17.9	17.2	16.4	15.9	15.4	14.8	13.5	12.2	10.9
-82.5°	16.0	15.6	15.3	15.0	14.6	14.3	13.9	13.5	12.3	11.1	10.1
-85°	13.1	13.1	13.1	13.2	12.9	12.7	12.5	12.2	11.2	10.3	9.5
-87.5°	11.2	11.3	11.4	11.3	11.2	11.1	11.0	10.8	10.2	9.5	8.9
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.2	5.6	5.9



REPORT NUMBER: P731576 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.9	7.5	7.1	6.7	6.3	6.3	6.3
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
82.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3
75°	6.3	6.4	6.3	6.3	6.3	6.3	6.3
72.5°	6.4	6.5	6.5	6.3	6.3	6.3	6.3
70°	6.4	6.7	6.6	6.3	6.3	6.3	6.3
67.5°	6.5	6.8	6.8	6.5	6.3	6.3	6.3
65°	6.5	6.9	6.9	6.6	6.3	6.3	6.3
62.5°	6.6	6.9	7.1	6.8	6.3	6.3	6.3
60°	6.6	7.0	7.3	7.0	6.3	6.3	6.3
57.5°	7.0	7.0	7.3	7.1	6.4	6.3	6.3
55°	7.4	7.1	7.4	7.3	6.5	6.3	6.3
52.5°	7.8	7.1	7.4	7.5	6.6	6.3	6.3
50°	8.2	7.5	7.5	7.7	6.8	6.3	6.3
47.5°	8.5	7.8	7.5	7.8	6.9	6.3	6.3
45°	8.7	8.1	7.6	7.8	7.0	6.3	6.3
42.5°	9.0	8.4	7.6	7.9	7.1	6.3	6.3
40°	9.2	8.7	7.8	7.9	7.2	6.3	6.3
37.5°	9.5	9.0	8.0	8.0	7.2	6.3	6.3
35°	9.8	9.2	8.2	8.0	7.3	6.3	6.3
32.5°	10.1	9.5	8.4	8.1	7.4	6.3	6.3
30°	10.5	9.7	8.6	8.1	7.5	6.3	6.3
27.5°	10.9	10.0	8.8	8.2	7.5	6.3	6.3
25°	11.3	10.3	9.0	8.3	7.6	6.3	6.3
22.5°	11.7	10.5	9.1	8.4	7.7	6.3	6.3
20°	12.0	10.6	9.2	8.5	7.7	6.3	6.3
17.5°	12.3	10.7	9.3	8.7	7.8	6.3	6.3
15°	12.6	10.8	9.4	8.8	7.8	6.3	6.3
12.5°	12.9	10.9	9.4	8.9	7.8	6.3	6.3
10°	13.2	11.0	9.5	9.0	7.9	6.3	6.3
7.5°	13.5	11.0	9.5	9.2	7.9	6.3	6.3
5°	13.8	11.1	9.5	9.3	7.9	6.3	6.3
2.5°	14.1	11.1	9.5	9.4	7.9	6.3	6.3
0°	14.3	11.1	9.5	9.5	7.9	6.3	6.3
-2.5°	15.5	11.4	9.8	9.6	8.0	6.3	6.3
-5°	16.7	11.8	10.1	9.7	8.0	6.4	6.3
-7.5°	17.8	12.1	10.3	9.8	8.1	6.4	6.3
-10°	18.8	12.4	10.6	9.8	8.1	6.4	6.3
-12.5°	19.5	12.7	10.8	9.9	8.2	6.5	6.3
-15°	20.1	12.9	11.1	10.0	8.2	6.5	6.3
-17.5°	20.5	13.2	11.3	10.0	8.2	6.5	6.3
-20°	20.9	13.4	11.4	10.0	8.3	6.6	6.3



REPORT NUMBER: P731576 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.4	13.6	11.6	10.1	8.3	6.6	6.3
-25°	21.5	13.9	11.7	10.1	8.3	6.6	6.3
-27.5°	21.1	14.1	11.8	10.1	8.3	6.6	6.3
-30°	20.3	14.3	11.9	10.1	8.3	6.6	6.3
-32.5°	19.0	14.4	11.9	10.0	8.3	6.7	6.3
-35°	18.6	14.4	11.9	10.0	8.2	6.7	6.3
-37.5°	18.6	14.3	11.9	10.0	8.2	6.7	6.3
-40°	18.4	14.3	11.9	9.9	8.2	6.7	6.3
-42.5°	18.0	14.2	11.9	9.9	8.1	6.7	6.3
-45°	17.4	14.1	11.8	9.8	8.1	6.7	6.3
-47.5°	16.7	14.0	11.6	9.7	8.0	6.7	6.3
-50°	16.4	13.8	11.5	9.6	8.0	6.7	6.3
-52.5°	16.1	13.6	11.3	9.5	7.9	6.7	6.3
-55°	15.8	13.3	11.1	9.4	7.8	6.7	6.3
-57.5°	15.4	13.0	10.9	9.2	7.8	6.7	6.3
-60°	14.9	12.6	10.7	9.1	7.7	6.6	6.3
-62.5°	14.4	12.2	10.4	8.9	7.6	6.6	6.3
-65°	13.8	11.8	10.1	8.7	7.5	6.6	6.3
-67.5°	13.2	11.3	9.8	8.5	7.4	6.6	6.3
-70°	12.5	10.9	9.4	8.3	7.3	6.6	6.3
-72.5°	11.8	10.3	9.1	8.1	7.2	6.5	6.3
-75°	11.1	9.8	8.7	7.9	7.1	6.5	6.3
-77.5°	10.3	9.3	8.4	7.7	7.0	6.5	6.3
-80°	9.6	8.8	8.2	7.5	6.8	6.4	6.3
-82.5°	9.1	8.5	7.9	7.3	6.7	6.4	6.3
-85°	8.7	8.2	7.6	7.1	6.6	6.4	6.3
-87.5°	8.3	7.8	7.4	6.9	6.4	6.3	6.3
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3

(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

