

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: P731474 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-1S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731474 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-40-80-1S-CV1
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

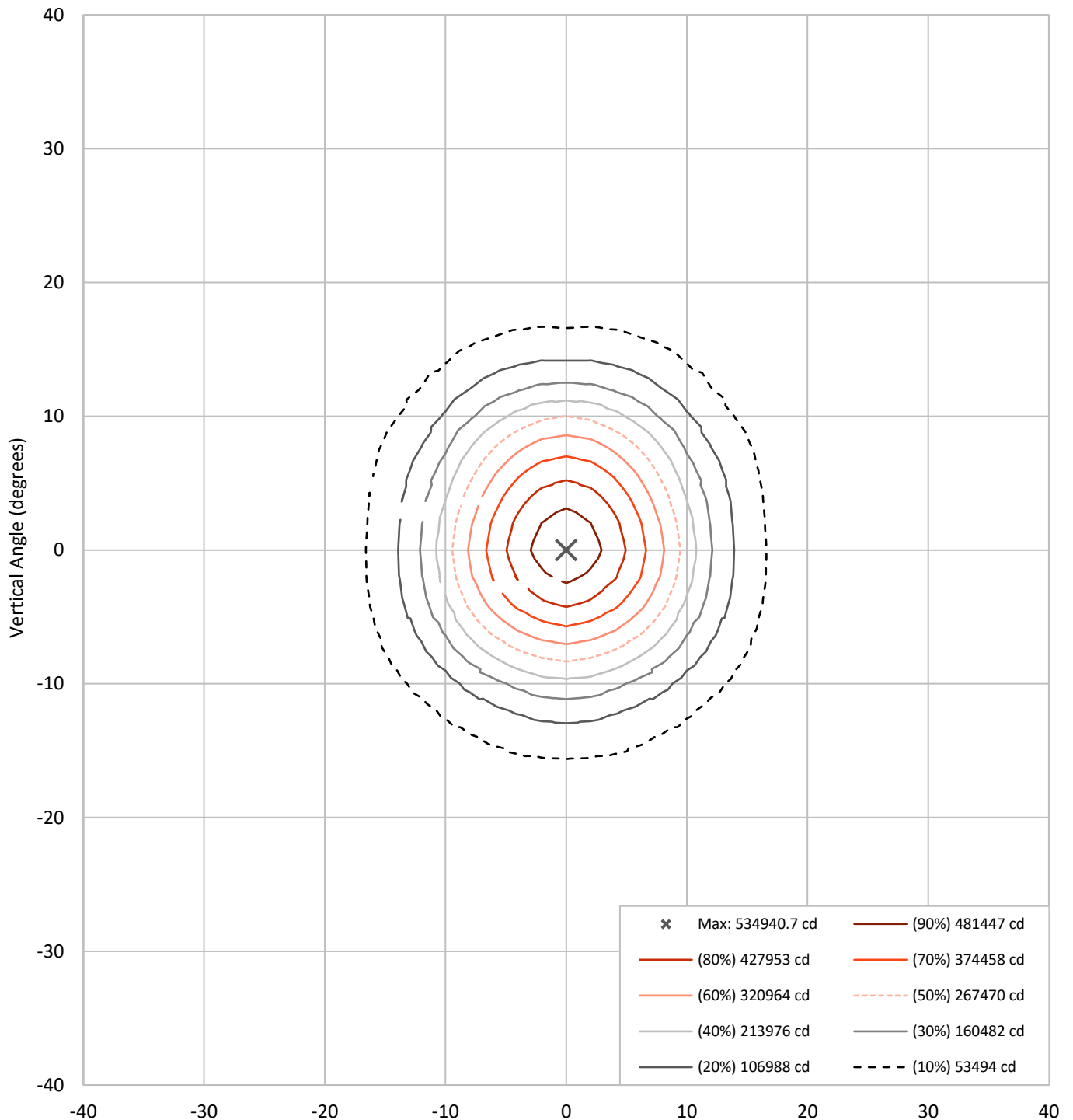
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64434.5 lumens	Max Intensity:	534940.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	111.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	30063.2 lumens	Field Lumens:	54603 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

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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CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV1

Iso-Candela Plot





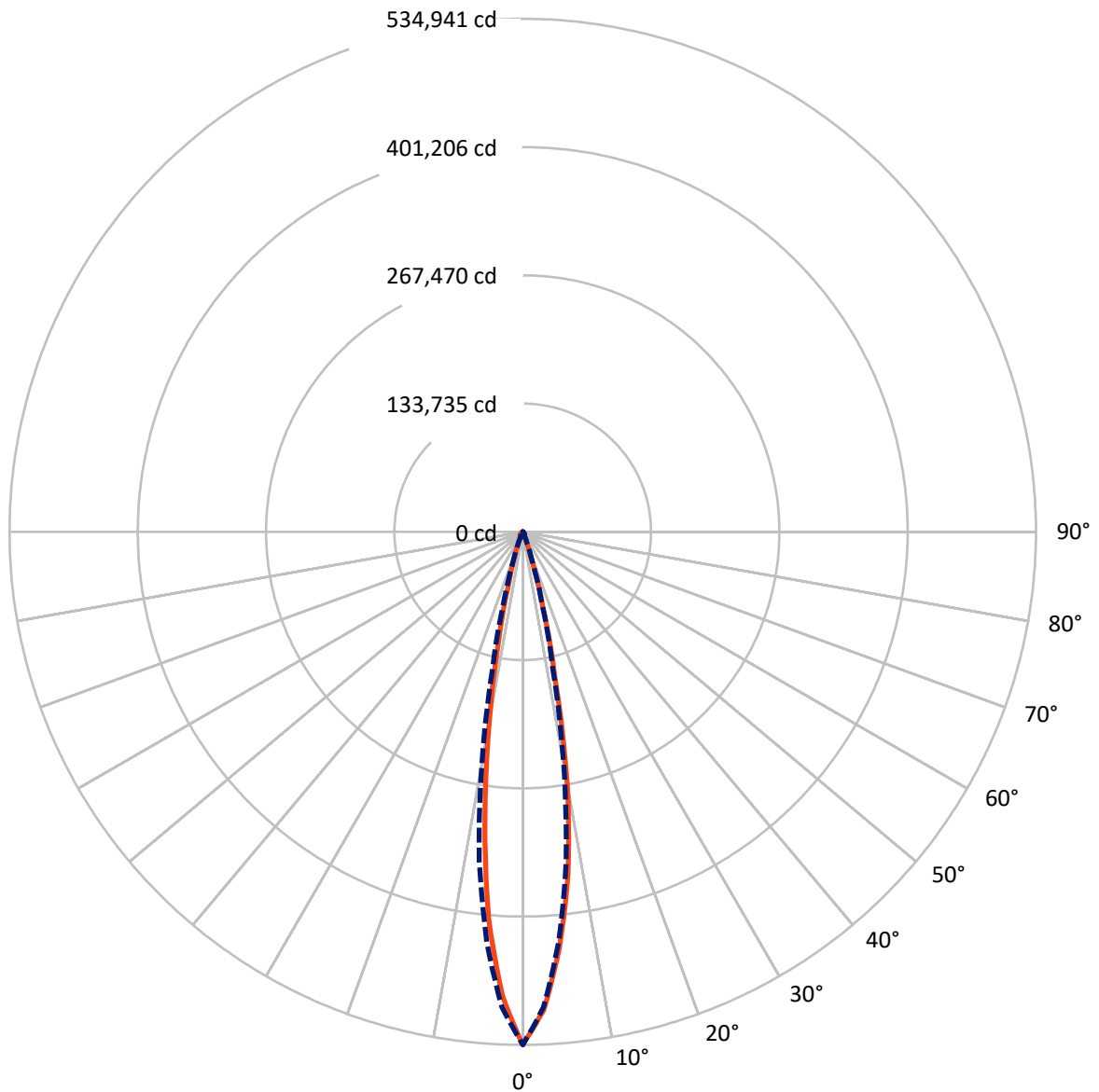
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Lumen Table

90	0.1		0.2		0.4		0.4		0.4		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.4		0.4		0.4		0.2		0.1	
70	0.1	0.1	0.1	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.5	0.1	0.1	0.1
60		0.1	0.3	0.5	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.5	0.3	0.1	
50	0.2	0.2	0.4	0.4	0.5	0.7	1.1	0.8	0.8	1.1	0.7	0.5	0.4	0.4	0.2	0.2
40		0.2	0.8	1.8	3.6	5.1	7.3	9.0	9.0	7.3	5.1	3.6	1.8	0.8	0.2	
30	0.2	0.4	3.5	11.1	26.3	35.7	57.2	102.1	102.1	57.2	35.7	26.3	11.1	3.5	0.4	0.2
20		1.1	7.5	32.1	64.7	85.7	626.7	2525.5	2525.5	626.7	85.7	64.7	32.1	7.5	1.1	
10	0.3	1.7	9.6	43.4	72.0	157.5	2347.8	10139.3	10139.3	2347.8	157.5	72.0	43.4	9.6	1.7	0.3
0		2.2	10.2	42.6	71.9	152.9	2246.1	9392.7	9392.7	2246.1	152.9	71.9	42.6	10.2	2.2	
-10	0.5	2.6	9.8	34.1	66.3	83.7	500.2	1875.3	1875.3	500.2	83.7	66.3	34.1	9.8	2.6	0.5
-20		2.6	9.5	23.7	65.6	82.3	93.2	160.9	160.9	93.2	82.3	65.6	23.7	9.5	2.6	
-30	0.4	2.3	8.6	16.7	46.6	96.6	113.0	116.5	116.5	113.0	96.6	46.6	16.7	8.6	2.3	0.4
-40		1.6	6.6	14.7	24.7	44.4	80.5	109.3	109.3	80.5	44.4	24.7	14.7	6.6	1.6	
-50	0.3	0.8	3.8	9.9	18.9	27.4	34.6	38.9	38.9	34.6	27.4	18.9	9.9	3.8	0.8	0.3
-60		0.4	1.3	3.9	8.1	13.3	18.3	21.4	21.4	18.3	13.3	8.1	3.9	1.3	0.4	
-70	0.2	0.4	1.3	3.9	8.1	13.3	18.3	21.4	21.4	18.3	13.3	8.1	3.9	1.3	0.4	0.2
-80		0.2	1.1	2.9	6.7	9.1	6.7	2.9	1.1	0.2						
-90	0.1		0.2		0.4		0.4		0.4		0.4		0.2		0.1	

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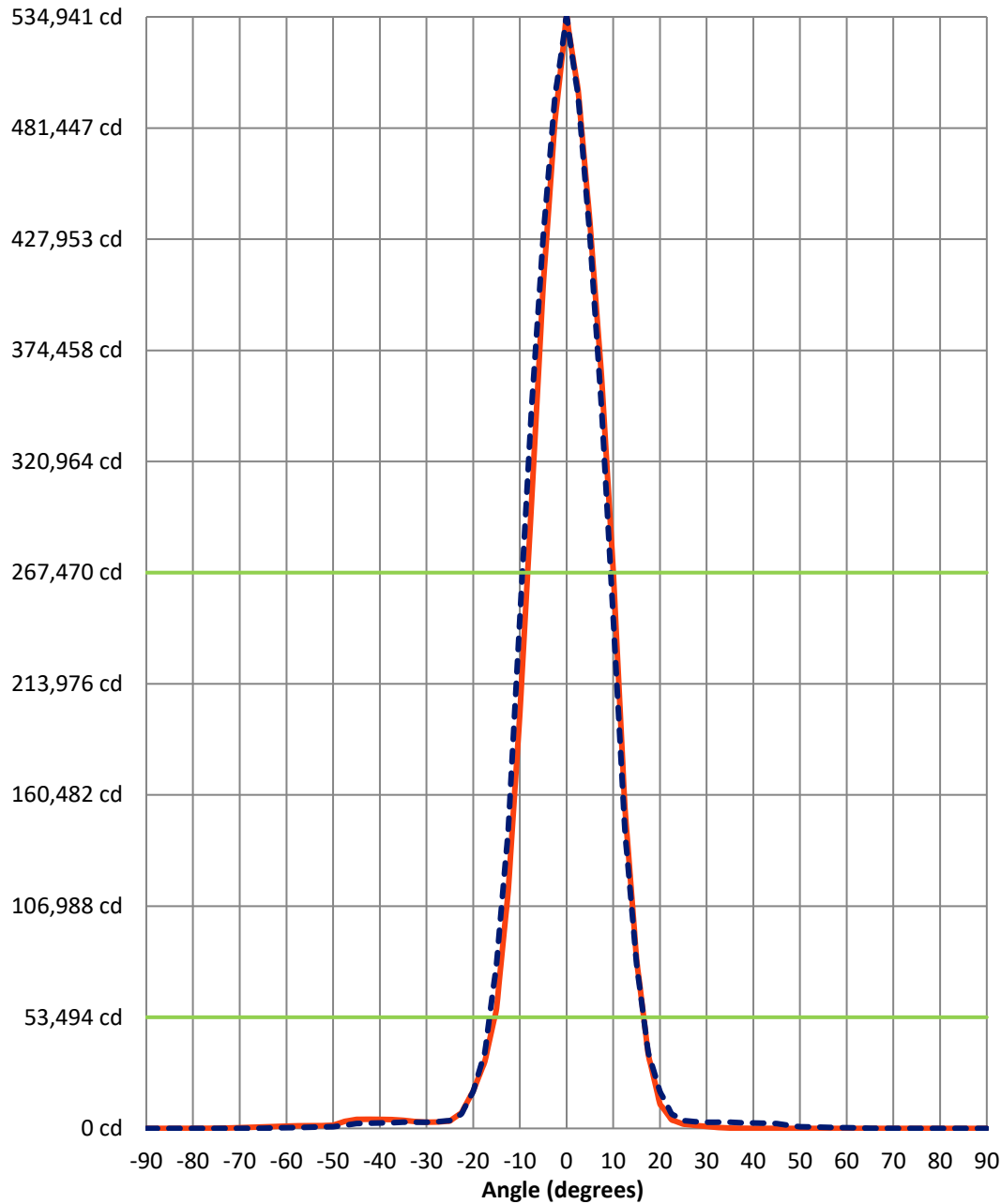
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 18.3°
 Lumens: 30063.2
 Efficiency: 46.7%

Field:
 H Angle: 33°
 V Angle: 31.9°
 Lumens: 54603
 Efficiency: 84.7%

Spill:
 Lumens: 9831.4
 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°	3.9	3.9	3.9	4.6	5.2	5.9	6.5	7.1	7.8	8.4	9.0
87.5°	3.9	3.9	3.9	3.6	3.4	3.1	2.9	2.9	2.8	2.7	2.6
85°	3.9	4.0	3.9	3.7	3.5	3.3	3.3	3.2	3.1	2.9	2.6
82.5°	3.9	4.0	3.9	3.7	3.6	3.6	3.6	3.5	3.3	3.1	3.0
80°	3.9	4.0	3.9	3.8	3.7	3.8	3.9	3.9	3.8	3.6	3.5
77.5°	3.9	4.0	3.9	3.8	3.8	4.0	4.3	4.3	4.2	4.2	4.0
75°	3.9	4.1	3.9	3.8	3.9	4.3	4.6	4.7	4.6	4.3	4.0
72.5°	3.9	4.1	3.9	3.9	4.2	4.5	4.9	5.0	4.7	4.3	4.0
70°	3.9	4.1	4.0	3.9	4.4	4.8	5.2	5.0	4.7	4.4	4.5
67.5°	3.9	4.2	4.0	4.1	4.6	5.1	5.2	5.0	4.7	4.9	5.1
65°	3.9	4.2	4.0	4.2	4.8	5.2	5.3	5.1	5.2	5.4	5.5
62.5°	3.9	4.2	4.0	4.4	5.0	5.3	5.4	5.4	5.6	5.9	5.7
60°	3.9	4.3	4.1	4.5	5.2	5.5	5.4	5.8	6.1	6.1	5.9
57.5°	3.9	4.3	4.2	4.7	5.3	5.6	5.7	6.1	6.5	6.5	6.4
55°	3.9	4.3	4.3	4.8	5.5	5.7	6.1	6.5	6.8	6.9	7.0
52.5°	3.9	4.4	4.4	5.0	5.6	5.9	6.4	6.9	7.2	7.4	7.6
50°	3.9	4.4	4.6	5.1	5.7	6.1	6.7	7.3	7.7	8.0	8.8
47.5°	3.9	4.5	4.7	5.2	5.9	6.4	7.0	7.7	8.1	8.5	10.0
45°	3.9	4.5	4.8	5.3	6.0	6.6	7.4	8.2	8.6	9.4	11.0
42.5°	3.9	4.5	4.9	5.5	6.2	6.9	7.8	8.6	9.1	10.3	13.1
40°	3.9	4.6	5.1	5.6	6.4	7.1	8.2	9.0	9.7	11.2	15.1
37.5°	3.9	4.6	5.2	5.8	6.6	7.3	8.7	9.5	10.5	12.4	17.0
35°	3.9	4.7	5.3	6.0	6.7	7.6	9.1	9.8	11.4	14.2	18.5
32.5°	3.9	4.7	5.4	6.1	6.9	8.0	9.5	10.2	12.2	16.0	20.1
30°	3.9	4.7	5.5	6.3	7.0	8.3	9.9	10.7	13.1	17.7	21.9
27.5°	3.9	4.8	5.6	6.4	7.2	8.7	10.2	11.4	14.1	19.3	24.0
25°	3.9	4.8	5.7	6.6	7.4	9.0	10.5	12.1	15.5	20.9	26.5
22.5°	3.9	4.9	5.8	6.7	7.6	9.3	10.8	12.8	16.7	22.8	30.2
20°	3.9	4.9	5.9	6.9	7.8	9.6	11.1	13.4	17.9	24.7	34.2
17.5°	3.9	5.0	6.0	7.0	8.0	9.8	11.3	14.1	19.0	26.7	38.4
15°	3.9	5.0	6.1	7.1	8.1	9.9	11.5	14.6	19.9	28.7	42.8
12.5°	3.9	5.0	6.2	7.2	8.3	10.1	11.8	15.1	20.9	30.8	47.3
10°	3.9	5.1	6.2	7.3	8.5	10.2	12.0	15.6	21.8	32.7	51.7
7.5°	3.9	5.1	6.3	7.4	8.6	10.2	12.3	15.9	22.6	34.5	56.0
5°	3.9	5.1	6.4	7.5	8.8	10.3	12.5	16.3	23.3	36.1	60.1
2.5°	3.9	5.2	6.4	7.6	8.9	10.3	12.7	16.6	24.0	37.5	63.8
0°	3.9	5.2	6.5	7.7	9.0	10.3	12.9	16.8	24.5	38.7	67.1
-2.5°	3.9	5.2	6.6	7.8	9.2	10.9	14.1	20.0	31.5	51.1	86.3
-5°	3.9	5.3	6.6	7.9	9.4	11.4	15.2	23.1	38.1	62.9	104.6
-7.5°	3.9	5.3	6.6	7.9	9.6	11.9	16.3	25.9	44.3	74.0	121.5
-10°	3.9	5.3	6.7	8.0	9.8	12.4	17.3	28.5	49.9	83.9	136.7
-12.5°	3.9	5.3	6.7	8.0	10.0	12.8	18.1	30.7	54.6	92.6	149.4
-15°	3.9	5.3	6.7	8.1	10.1	13.2	18.9	32.4	59.2	100.5	159.9
-17.5°	3.9	5.3	6.7	8.1	10.2	13.5	19.5	34.4	63.6	106.9	168.0
-20°	3.9	5.3	6.8	8.1	10.3	13.7	20.1	36.3	66.9	111.7	173.5



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.9	5.3	6.8	8.2	10.3	13.9	20.8	37.5	68.9	114.9	176.2
-25°	3.9	5.3	6.8	8.2	10.3	14.0	21.1	37.7	69.5	116.2	176.1
-27.5°	3.9	5.3	6.8	8.2	10.3	14.1	21.1	37.0	68.7	116.1	177.0
-30°	3.9	5.3	6.8	8.2	10.2	14.0	20.6	35.2	67.5	114.9	175.6
-32.5°	3.9	5.3	6.8	8.1	10.2	13.9	19.7	34.3	65.4	111.8	171.6
-35°	3.9	5.3	6.7	8.1	10.2	13.8	19.3	33.3	61.9	106.5	165.0
-37.5°	3.9	5.2	6.7	8.1	10.1	13.5	19.0	31.6	56.9	99.1	154.5
-40°	3.9	5.2	6.7	8.0	9.9	13.4	18.6	29.2	50.4	91.4	142.3
-42.5°	3.9	5.2	6.7	8.0	9.8	13.2	18.1	26.1	45.5	81.5	127.8
-45°	3.9	5.1	6.6	8.0	9.8	12.9	17.4	23.7	41.2	69.9	111.6
-47.5°	3.9	5.1	6.6	7.9	9.8	12.6	16.6	22.7	36.0	57.1	96.8
-50°	3.9	5.1	6.5	7.9	9.7	12.2	16.0	21.6	29.8	49.8	80.4
-52.5°	3.9	5.0	6.5	7.8	9.6	11.7	15.4	20.3	26.7	41.9	63.3
-55°	3.9	5.0	6.4	7.7	9.4	11.5	14.7	18.9	24.9	33.1	53.1
-57.5°	3.9	4.9	6.4	7.6	9.3	11.2	13.9	17.9	22.9	29.2	42.1
-60°	3.9	4.8	6.3	7.5	9.1	11.0	13.1	16.8	21.0	26.7	33.2
-62.5°	3.9	4.8	6.2	7.3	8.9	10.7	12.7	15.7	19.7	24.0	30.0
-65°	3.9	4.7	6.0	7.2	8.6	10.4	12.3	14.7	18.4	22.3	26.6
-67.5°	3.9	4.6	5.8	7.0	8.2	10.0	11.8	14.1	17.0	20.7	24.4
-70°	3.9	4.6	5.6	6.8	7.9	9.4	11.3	13.5	16.1	19.1	22.6
-72.5°	3.9	4.5	5.4	6.5	7.5	8.8	10.5	12.7	15.1	17.7	20.7
-75°	3.9	4.4	5.2	6.3	7.1	8.2	9.7	11.8	14.0	16.3	18.9
-77.5°	3.9	4.3	5.0	6.0	6.8	7.6	8.7	10.7	12.8	14.9	17.0
-80°	3.9	4.2	4.8	5.7	6.5	7.2	7.8	9.6	11.6	13.5	15.4
-82.5°	3.9	4.2	4.6	5.4	6.2	6.8	7.4	8.7	10.3	12.1	13.8
-85°	3.9	4.1	4.4	5.1	5.9	6.5	7.1	8.2	9.5	10.8	12.3
-87.5°	3.9	4.0	4.1	4.8	5.5	6.2	6.8	7.7	8.6	9.6	10.6
-90°	3.9	3.9	3.9	3.6	3.3	2.9	2.6	2.6	2.6	2.6	2.6



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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°	9.0	9.0	9.0	9.0	9.3	9.7	10.0	10.3	10.6	11.0	11.3
87.5°	2.4	2.3	2.2	2.0	1.9	1.7	1.5	1.3	1.3	1.3	1.3
85°	2.6	2.6	2.6	2.6	2.4	2.1	2.0	1.8	1.8	1.7	1.5
82.5°	3.0	2.9	2.8	2.6	2.5	2.6	2.6	2.6	2.4	2.2	2.0
80°	3.5	3.3	3.1	3.0	3.0	3.0	2.9	2.6	2.6	2.7	2.8
77.5°	3.7	3.6	3.6	3.7	3.7	3.4	3.3	3.3	3.5	3.7	3.8
75°	3.8	3.9	4.0	4.0	3.8	3.8	3.9	4.2	4.3	4.3	4.2
72.5°	4.1	4.3	4.2	4.1	4.2	4.5	4.8	5.1	5.7	6.4	7.1
70°	4.6	4.7	4.6	4.7	4.9	5.5	6.6	8.0	9.4	11.0	13.4
67.5°	5.1	5.0	5.0	5.4	6.2	7.4	9.0	14.2	20.2	22.7	23.5
65°	5.2	5.2	5.7	6.5	7.6	11.7	17.4	24.4	31.0	31.8	30.6
62.5°	5.3	5.7	6.6	8.4	12.2	17.7	23.9	30.5	38.0	38.3	33.6
60°	5.8	6.4	8.3	12.0	16.5	21.4	28.1	33.5	39.7	42.7	32.5
57.5°	6.5	7.6	10.8	15.2	19.7	23.4	27.0	32.6	35.9	36.4	26.8
55°	7.5	9.2	13.3	18.3	21.6	20.8	23.8	26.8	28.1	26.1	18.7
52.5°	9.0	11.0	16.3	20.6	21.3	19.5	19.5	21.0	19.5	16.8	14.6
50°	10.4	14.3	19.1	21.8	21.2	18.6	15.7	15.4	14.9	13.9	12.6
47.5°	12.8	17.3	21.4	23.0	20.3	17.7	14.2	13.8	13.8	13.2	12.1
45°	15.4	19.7	23.9	22.3	19.9	17.2	15.8	14.2	14.2	14.3	15.1
42.5°	17.8	21.7	23.7	21.7	20.0	19.3	19.1	17.0	16.9	20.4	21.6
40°	19.4	23.3	23.7	23.4	21.6	23.4	23.9	24.1	25.2	28.9	30.7
37.5°	20.8	23.9	25.4	27.8	26.2	29.0	30.3	44.4	46.2	38.9	53.5
35°	21.9	25.1	31.6	38.6	40.9	36.3	54.8	74.2	80.9	76.5	93.0
32.5°	23.1	26.8	40.0	56.8	72.1	68.2	86.2	119.7	141.1	152.0	165.1
30°	25.4	34.6	53.1	79.9	119.5	143.3	144.6	180.2	219.6	289.4	352.5
27.5°	29.4	44.9	75.3	123.8	184.8	234.5	243.7	266.7	356.8	489.0	655.4
25°	34.0	69.8	100.8	183.4	273.4	329.3	345.5	384.5	540.8	844.0	1008.4
22.5°	46.7	103.0	143.9	252.8	372.7	420.9	454.9	596.8	878.9	1279.6	1403.1
20°	70.6	141.5	197.5	312.5	472.9	511.5	562.5	866.9	1319.1	1652.8	1820.6
17.5°	98.7	180.3	251.1	371.4	512.6	583.9	691.9	1176.1	1773.8	2013.5	2188.0
15°	130.2	219.1	297.5	423.3	547.7	632.1	894.6	1535.6	2158.5	2356.7	2527.6
12.5°	163.9	257.6	337.5	468.3	582.3	676.8	1079.1	1788.4	2343.4	2623.8	2843.8
10°	198.6	295.4	371.8	506.9	615.9	717.9	1251.8	2005.0	2436.8	2669.1	2911.9
7.5°	220.2	319.5	398.1	539.3	648.0	755.4	1408.4	2185.2	2501.2	2683.1	2863.1
5°	236.3	327.8	404.8	553.9	672.0	782.9	1526.3	2328.6	2542.1	2672.4	2778.0
2.5°	248.6	333.5	409.3	561.8	690.0	796.8	1537.4	2351.1	2529.6	2652.0	2724.8
0°	256.8	336.8	411.6	565.1	704.5	806.4	1514.7	2339.2	2501.8	2628.2	2713.4
-2.5°	265.8	346.6	430.2	575.1	705.8	806.7	1493.1	2316.0	2529.4	2699.2	2840.6
-5°	271.2	354.5	445.9	581.3	703.4	803.5	1444.5	2256.6	2525.9	2704.8	2878.1
-7.5°	273.8	360.5	458.2	583.0	693.4	788.1	1361.9	2114.8	2419.7	2587.0	2801.5
-10°	274.7	368.3	464.0	573.9	673.8	764.0	1251.9	1951.0	2309.9	2462.9	2688.4
-12.5°	277.3	377.5	467.6	564.8	653.8	737.3	1117.4	1771.4	2199.3	2333.9	2563.6
-15°	277.3	385.0	470.2	557.0	634.5	708.3	959.5	1581.6	2138.9	2357.5	2546.3
-17.5°	275.0	390.7	472.2	551.6	616.7	677.3	784.8	1412.1	2100.7	2408.4	2594.6
-20°	270.6	394.6	473.8	549.3	601.7	662.9	748.3	1223.2	1906.9	2431.5	2658.9



REPORT NUMBER: P731474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	264.3	396.9	475.3	547.6	606.5	664.4	736.3	1009.1	1637.6	2428.5	2660.8
-25°	261.3	385.7	475.1	547.3	613.8	667.4	722.2	805.4	1348.3	2083.0	2590.3
-27.5°	260.1	372.9	466.9	541.9	620.4	672.1	719.6	787.1	1071.5	1669.1	2445.8
-30°	255.1	351.9	455.1	531.1	613.8	677.6	724.3	767.1	845.4	1312.5	1958.9
-32.5°	243.3	329.9	432.6	515.4	598.1	682.7	726.0	762.8	820.6	958.8	1483.8
-35°	229.6	312.4	406.0	495.3	576.2	665.2	723.2	761.9	799.8	866.7	1104.7
-37.5°	217.2	292.3	378.8	468.9	550.1	633.7	717.0	758.0	796.2	843.9	934.5
-40°	202.5	269.6	353.2	438.8	520.0	600.5	681.3	752.3	790.7	852.8	912.6
-42.5°	185.4	250.6	325.7	407.8	485.6	564.5	643.6	719.7	799.3	861.7	921.5
-45°	166.7	228.9	296.5	371.2	447.5	524.5	601.3	680.4	776.4	871.5	931.4
-47.5°	145.3	204.6	268.9	330.7	404.2	479.6	554.9	637.8	733.0	832.2	939.1
-50°	122.7	177.6	236.3	293.0	355.5	428.9	502.8	586.2	675.7	771.8	872.5
-52.5°	102.1	147.6	200.5	255.4	310.0	371.1	445.1	524.3	608.1	698.4	786.4
-55°	79.7	119.9	161.9	213.5	267.0	318.9	379.1	453.3	530.6	612.4	691.8
-57.5°	62.8	91.2	126.6	167.7	218.0	270.5	322.3	378.3	446.7	518.9	585.2
-60°	49.1	67.7	93.4	127.0	164.2	212.5	263.7	314.5	367.4	420.1	477.3
-62.5°	36.4	50.6	67.2	89.0	120.2	153.1	195.8	243.1	292.3	336.1	377.6
-65°	32.3	36.5	47.9	63.0	78.4	105.6	135.7	167.4	208.5	247.0	284.5
-67.5°	28.0	32.0	35.7	41.3	54.9	68.4	81.8	108.0	135.5	160.2	186.4
-70°	25.4	27.6	30.9	34.1	37.1	42.9	54.7	66.2	77.1	90.6	111.3
-72.5°	23.0	24.7	26.8	29.2	31.9	34.5	37.2	40.0	46.9	56.0	64.2
-75°	20.6	21.8	23.3	25.0	27.0	28.9	30.8	33.1	35.5	38.0	40.7
-77.5°	18.3	19.3	20.2	21.1	22.4	24.0	25.6	27.2	28.7	30.1	31.5
-80°	16.2	16.8	17.5	18.3	19.1	20.0	21.0	22.0	23.1	24.2	25.4
-82.5°	14.4	14.8	15.3	15.7	16.1	16.5	16.9	17.6	18.2	18.9	19.6
-85°	12.6	12.9	13.2	13.5	13.7	14.0	14.3	14.5	14.7	15.0	15.2
-87.5°	10.8	10.9	11.1	11.2	11.5	11.7	11.9	12.1	12.3	12.4	12.6
-90°	2.3	2.0	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



REPORT NUMBER: P731474 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11.6	11.9	12.3	12.6	12.9	13.2	13.6	13.9	14.2	14.2	14.2
87.5°	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.0	0.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.9	1.8	1.7	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.3	1.3	1.3
77.5°	3.9	3.7	3.3	3.0	2.7	2.5	2.4	2.4	2.4	2.4	2.5
75°	4.0	3.9	4.1	4.1	3.9	3.7	3.5	3.2	2.7	2.6	2.6
72.5°	7.7	7.9	7.8	7.7	7.0	6.5	6.3	6.0	5.7	5.6	5.5
70°	14.6	14.8	14.2	12.9	10.9	9.6	9.1	8.4	7.7	7.6	8.0
67.5°	22.3	20.4	18.6	16.5	13.8	12.0	11.4	10.7	9.9	9.6	9.5
65°	27.5	21.6	18.4	16.3	15.0	13.5	12.0	10.6	9.2	8.3	8.0
62.5°	27.2	19.0	15.3	13.6	12.3	11.3	9.9	8.7	7.5	6.8	6.7
60°	23.6	15.8	11.7	10.6	9.7	9.0	8.2	7.5	6.9	6.5	6.5
57.5°	18.4	12.3	9.0	8.8	8.5	8.0	7.5	7.2	6.8	6.5	6.8
55°	13.4	10.8	9.1	8.9	8.6	8.1	7.6	7.6	7.4	7.3	7.8
52.5°	11.6	10.6	10.2	9.9	9.3	9.0	8.9	8.9	9.0	9.3	9.5
50°	11.4	11.0	10.7	10.2	10.2	10.2	10.2	10.6	11.0	11.1	11.1
47.5°	11.9	11.7	12.2	11.4	11.7	12.5	12.7	13.0	14.0	14.1	14.1
45°	14.0	15.9	16.3	16.3	15.9	20.7	21.7	19.8	27.3	26.2	20.4
42.5°	21.6	23.9	25.4	30.1	37.0	41.5	53.5	73.5	65.8	49.5	32.0
40°	37.1	36.4	43.4	52.0	57.1	66.5	81.3	100.4	92.6	78.6	84.0
37.5°	65.3	66.2	68.5	79.7	83.8	73.5	95.2	93.6	79.3	101.5	104.1
35°	119.9	132.6	112.6	137.1	143.0	134.1	142.0	157.2	135.9	164.4	173.6
32.5°	215.7	237.7	238.6	244.3	264.6	284.2	289.8	330.5	343.7	378.0	414.9
30°	344.5	385.1	419.7	429.0	456.2	504.6	544.5	622.9	707.0	770.1	853.0
27.5°	621.0	584.3	661.2	754.8	725.0	795.3	939.4	1052.7	1220.1	1340.7	1405.7
25°	1004.4	944.7	1084.8	1227.6	1227.9	1239.9	1448.3	1630.0	1767.0	1875.8	1971.2
22.5°	1456.9	1531.3	1657.0	1822.8	1736.4	1815.1	2022.1	2169.6	2361.6	2549.8	3113.6
20°	1964.1	2114.6	2218.0	2193.3	2189.4	2323.4	2505.5	2790.2	3370.9	5418.0	7372.8
17.5°	2410.8	2593.7	2584.7	2480.6	2529.9	2754.7	3085.2	4190.9	7124.4	13772.8	19994.9
15°	2757.3	2838.8	2785.2	2723.0	2833.3	3170.0	3996.4	7572.1	16474.1	27120.8	39273.2
12.5°	2988.8	2956.9	2816.2	2826.3	3088.6	3561.6	6370.0	14738.9	27610.9	42730.6	73284.0
10°	3078.3	2990.7	2867.6	2981.5	3339.2	4477.8	8567.7	20464.4	39925.2	71359.8	112541.7
7.5°	3017.4	2942.7	2908.0	3109.3	3585.4	5930.2	13318.1	28945.2	57229.2	97766.5	155719.8
5°	2978.0	2928.1	2935.6	3193.1	3741.0	6998.2	16675.4	34280.5	70987.4	123303.2	197032.4
2.5°	2975.7	2946.0	2959.1	3251.4	3828.7	7544.9	18566.7	35169.0	75820.2	137193.7	230835.8
0°	3007.6	2988.2	2976.6	3263.0	3786.9	7009.9	17813.1	36596.4	79135.7	143460.7	245521.4
-2.5°	3156.2	2997.8	2991.1	3262.3	3833.2	7407.8	18254.2	36103.5	77939.1	137668.5	229767.6
-5°	3120.6	2941.5	2912.9	3140.7	3673.5	6670.8	15980.9	33342.5	68461.4	117060.3	189382.4
-7.5°	2979.6	2859.9	2809.1	2990.4	3453.8	5599.0	12393.5	26324.3	51552.7	88235.7	136469.8
-10°	2864.9	2785.9	2710.8	2836.4	3188.5	4278.9	7900.7	17660.2	35066.6	60002.0	87624.9
-12.5°	2804.7	2767.3	2631.9	2667.0	2913.0	3396.7	5528.2	11937.1	21960.5	32581.9	53224.7
-15°	2762.0	2733.7	2606.8	2598.5	2735.9	3021.8	3641.8	6191.8	12280.5	19926.9	28120.7
-17.5°	2723.4	2713.1	2645.9	2572.9	2590.1	2755.8	3097.2	4002.6	6280.3	11140.6	16436.7
-20°	2742.0	2748.0	2696.7	2620.5	2593.3	2614.8	2792.1	3104.1	3681.0	5645.9	8045.3



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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°	2736.1	2753.6	2739.9	2745.3	2712.6	2662.8	2627.6	2763.8	2982.1	3331.5	4219.0
-25°	2735.5	2759.7	2862.1	2993.3	2979.7	2860.7	2736.0	2628.1	2753.0	2903.9	3124.2
-27.5°	2695.0	2851.7	3106.8	3300.2	3355.7	3225.3	3050.9	2869.5	2849.6	2844.9	2929.5
-30°	2681.7	3018.3	3319.2	3594.9	3633.8	3568.0	3487.3	3358.0	3219.3	3142.5	3101.5
-32.5°	2277.0	3091.7	3459.7	3707.8	3769.2	3766.3	3784.4	3723.1	3679.8	3630.1	3560.0
-35°	1728.8	2583.7	3484.5	3598.9	3698.9	3788.0	3907.2	3937.7	3961.7	3989.2	4013.7
-37.5°	1207.2	1873.7	2622.2	3275.2	3482.7	3637.7	3848.9	4003.9	4132.8	4196.7	4273.5
-40°	1000.0	1184.3	1764.1	2316.1	2859.9	3361.5	3589.0	3853.0	4099.9	4237.1	4362.6
-42.5°	979.5	1045.0	1114.7	1499.7	1960.0	2433.4	2898.5	3320.1	3769.3	4068.9	4289.2
-45°	986.1	1019.2	1059.9	1127.5	1199.6	1560.9	1950.6	2348.4	2839.3	3318.9	3737.6
-47.5°	985.3	1015.5	1047.7	1080.4	1123.5	1190.8	1260.0	1372.6	1720.7	2088.8	2445.0
-50°	951.1	1012.6	1042.6	1073.2	1104.5	1137.8	1172.8	1222.2	1281.1	1336.3	1380.9
-52.5°	865.0	937.4	1007.0	1065.3	1093.9	1123.2	1154.2	1195.4	1234.0	1270.3	1289.1
-55°	767.6	839.6	910.1	972.7	1031.8	1088.7	1141.5	1179.2	1217.8	1257.0	1273.1
-57.5°	655.6	728.4	798.2	856.6	915.5	974.5	1029.2	1081.7	1134.2	1183.8	1211.5
-60°	536.4	597.2	659.8	719.6	776.9	831.4	882.3	932.1	979.7	1021.4	1047.7
-62.5°	419.4	467.2	520.1	572.0	622.3	671.0	717.9	762.7	804.9	840.5	865.3
-65°	321.0	356.7	393.1	430.6	468.8	510.6	550.1	587.4	622.4	651.3	672.9
-67.5°	218.1	248.9	278.4	306.1	334.2	363.7	393.7	421.9	448.1	469.4	486.2
-70°	131.1	150.4	169.1	189.0	211.5	233.0	254.2	274.2	292.9	307.5	318.5
-72.5°	71.5	78.4	87.7	103.0	117.1	130.2	142.3	153.2	163.0	171.0	177.7
-75°	43.5	47.0	52.7	58.1	63.3	68.3	73.1	77.5	81.5	84.8	87.7
-77.5°	33.3	35.2	37.0	38.6	40.2	41.9	43.6	45.2	46.7	48.0	49.2
-80°	26.6	27.6	28.7	29.6	30.5	31.6	32.7	33.8	34.8	35.5	36.2
-82.5°	20.3	21.3	22.3	23.1	24.0	24.6	25.2	25.7	26.3	26.9	27.4
-85°	15.4	16.1	16.9	17.6	18.4	18.7	18.8	19.0	19.1	19.5	19.9
-87.5°	12.7	13.0	13.4	13.7	14.1	14.4	14.8	15.1	15.5	15.8	16.1
-90°	1.3	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.9
87.5°	0.3	0.0	0.6	1.3	0.6	0.0	0.3	0.6	1.0	1.3	1.2
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
77.5°	2.5	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4
75°	2.6	2.6	3.2	3.9	3.2	2.6	2.6	2.6	2.6	2.7	3.2
72.5°	5.4	5.2	5.2	5.2	5.2	5.2	5.4	5.5	5.6	5.7	6.0
70°	8.4	8.8	9.0	9.0	9.0	8.8	8.4	8.0	7.6	7.7	8.4
67.5°	9.3	9.0	7.9	6.5	7.9	9.0	9.3	9.5	9.6	9.9	10.7
65°	7.9	7.8	7.2	6.5	7.2	7.8	7.9	8.0	8.3	9.2	10.6
62.5°	6.6	6.6	6.5	6.5	6.5	6.6	6.6	6.7	6.8	7.5	8.7
60°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.9	7.5
57.5°	7.1	7.5	7.7	7.7	7.7	7.5	7.1	6.8	6.5	6.8	7.2
55°	8.3	8.8	9.0	9.0	9.0	8.8	8.3	7.8	7.3	7.4	7.6
52.5°	9.4	9.1	9.5	10.3	9.5	9.1	9.4	9.5	9.3	9.0	8.9
50°	11.3	11.4	11.6	11.6	11.6	11.4	11.3	11.1	11.1	11.0	10.6
47.5°	14.3	14.2	14.1	14.2	14.1	14.2	14.3	14.1	14.1	14.0	13.0
45°	21.1	21.5	22.1	23.2	22.1	21.5	21.1	20.4	26.2	27.3	19.8
42.5°	33.5	34.2	34.5	34.8	34.5	34.2	33.5	32.0	49.5	65.8	73.5
40°	79.6	63.3	47.4	47.7	47.4	63.3	79.6	84.0	78.6	92.6	100.4
37.5°	91.5	83.2	79.9	78.7	79.9	83.2	91.5	104.1	101.5	79.3	93.6
35°	173.3	176.4	172.4	174.2	172.4	176.4	173.3	173.6	164.4	135.9	157.2
32.5°	426.7	444.0	437.9	440.0	437.9	444.0	426.7	414.9	378.0	343.7	330.5
30°	886.4	939.7	951.8	948.3	951.8	939.7	886.4	853.0	770.1	707.0	622.9
27.5°	1431.9	1474.1	1482.9	1474.7	1482.9	1474.1	1431.9	1405.7	1340.7	1220.1	1052.7
25°	2023.9	2064.1	2086.9	2076.0	2086.9	2064.1	2023.9	1971.2	1875.8	1767.0	1630.0
22.5°	3766.3	3949.1	4038.2	4159.7	4038.2	3949.1	3766.3	3113.6	2549.8	2361.6	2169.6
20°	11107.5	12370.2	12130.9	11870.2	12130.9	12370.2	11107.5	7372.8	5418.0	3370.9	2790.2
17.5°	27725.8	33934.0	36890.2	35686.8	36890.2	33934.0	27725.8	19994.9	13772.8	7124.4	4190.9
15°	56707.3	74053.2	84195.2	81487.8	84195.2	74053.2	56707.3	39273.2	27120.8	16474.1	7572.1
12.5°	102725.7	130293.5	151413.1	154436.1	151413.1	130293.5	102725.7	73284.0	42730.6	27610.9	14738.9
10°	161552.3	212495.1	254477.3	268184.5	254477.3	212495.1	161552.3	112541.7	71359.8	39925.2	20464.4
7.5°	231670.8	299675.9	348093.2	361551.0	348093.2	299675.9	231670.8	155719.8	97766.5	57229.2	28945.2
5°	287906.8	366171.6	419788.0	436256.6	419788.0	366171.6	287906.8	197032.4	123303.2	70987.4	34280.5
2.5°	330029.2	412121.7	471909.8	499228.8	471909.8	412121.7	330029.2	230835.8	137193.7	75820.2	35169.0
0°	346346.7	429072.5	496116.0	534940.7	496116.0	429072.5	346346.7	245521.4	143460.7	79135.7	36596.4
-2.5°	330384.5	407296.3	458924.2	484383.2	458924.2	407296.3	330384.5	229767.6	137668.5	77939.1	36103.5
-5°	275055.7	343112.5	387634.6	405608.2	387634.6	343112.5	275055.7	189382.4	117060.3	68461.4	33342.5
-7.5°	197084.2	252950.5	286136.8	301281.1	286136.8	252950.5	197084.2	136469.8	88235.7	51552.7	26324.3
-10°	128043.6	158966.4	192427.2	199588.8	192427.2	158966.4	128043.6	87624.9	60002.0	35066.6	17660.2
-12.5°	72136.6	91649.4	108279.5	114281.2	108279.5	91649.4	72136.6	53224.7	32581.9	21960.5	11937.1
-15°	39028.3	50145.8	56136.1	57609.3	56136.1	50145.8	39028.3	28120.7	19926.9	12280.5	6191.8
-17.5°	22407.4	27748.0	30803.9	32207.0	30803.9	27748.0	22407.4	16436.7	11140.6	6280.3	4002.6
-20°	11973.9	14987.4	16707.9	17974.4	16707.9	14987.4	11973.9	8045.3	5645.9	3681.0	3104.1



REPORT NUMBER: P731474 (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°	5499.8	6428.6	6953.5	7546.6	6953.5	6428.6	5499.8	4219.0	3331.5	2982.1	2763.8
-25°	3315.5	3440.4	3515.7	3576.6	3515.7	3440.4	3315.5	3124.2	2903.9	2753.0	2628.1
-27.5°	3002.2	3043.1	3066.8	3091.4	3066.8	3043.1	3002.2	2929.5	2844.9	2849.6	2869.5
-30°	3066.3	3024.8	3010.4	2994.7	3010.4	3024.8	3066.3	3101.5	3142.5	3219.3	3358.0
-32.5°	3489.4	3408.9	3365.7	3325.0	3365.7	3408.9	3489.4	3560.0	3630.1	3679.8	3723.1
-35°	4004.2	3968.0	3948.9	3924.9	3948.9	3968.0	4004.2	4013.7	3989.2	3961.7	3937.7
-37.5°	4286.4	4280.0	4278.9	4266.8	4278.9	4280.0	4286.4	4273.5	4196.7	4132.8	4003.9
-40°	4377.2	4374.7	4368.4	4362.3	4368.4	4374.7	4377.2	4362.6	4237.1	4099.9	3853.0
-42.5°	4347.9	4386.9	4405.6	4406.2	4405.6	4386.9	4347.9	4289.2	4068.9	3769.3	3320.1
-45°	4004.4	4202.8	4318.3	4349.4	4318.3	4202.8	4004.4	3737.6	3318.9	2839.3	2348.4
-47.5°	2762.1	3042.0	3257.7	3393.3	3257.7	3042.0	2762.1	2445.0	2088.8	1720.7	1372.6
-50°	1419.9	1456.3	1493.0	1528.9	1493.0	1456.3	1419.9	1380.9	1336.3	1281.1	1222.2
-52.5°	1304.2	1319.4	1328.9	1334.1	1328.9	1319.4	1304.2	1289.1	1270.3	1234.0	1195.4
-55°	1287.7	1301.7	1308.7	1310.9	1308.7	1301.7	1287.7	1273.1	1257.0	1217.8	1179.2
-57.5°	1235.3	1255.0	1266.8	1272.2	1266.8	1255.0	1235.3	1211.5	1183.8	1134.2	1081.7
-60°	1069.6	1087.1	1098.9	1105.7	1098.9	1087.1	1069.6	1047.7	1021.4	979.7	932.1
-62.5°	885.8	902.0	911.1	914.8	911.1	902.0	885.8	865.3	840.5	804.9	762.7
-65°	690.7	704.8	719.0	730.3	719.0	704.8	690.7	672.9	651.3	622.4	587.4
-67.5°	500.3	511.7	524.2	534.2	524.2	511.7	500.3	486.2	469.4	448.1	421.9
-70°	327.0	333.3	343.5	352.2	343.5	333.3	327.0	318.5	307.5	292.9	274.2
-72.5°	183.0	187.0	194.5	201.3	194.5	187.0	183.0	177.7	171.0	163.0	153.2
-75°	90.0	91.9	92.7	92.9	92.7	91.9	90.0	87.7	84.8	81.5	77.5
-77.5°	50.3	51.3	51.5	51.6	51.5	51.3	50.3	49.2	48.0	46.7	45.2
-80°	36.7	37.3	38.0	38.7	38.0	37.3	36.7	36.2	35.5	34.8	33.8
-82.5°	27.9	28.3	28.4	28.4	28.4	28.3	27.9	27.4	26.9	26.3	25.7
-85°	20.2	20.6	20.6	20.6	20.6	20.6	20.2	19.9	19.5	19.1	19.0
-87.5°	16.5	16.8	16.8	16.8	16.8	16.8	16.5	16.1	15.8	15.5	15.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.6	13.2	12.9	12.6	12.3	11.9	11.6	11.3	11.0	10.6	10.3
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.7	1.8	1.8
82.5°	1.3	1.3	1.3	1.5	1.7	1.8	1.9	2.0	2.2	2.4	2.6
80°	1.8	2.0	2.2	2.4	2.6	2.8	3.0	2.8	2.7	2.6	2.6
77.5°	2.4	2.5	2.7	3.0	3.3	3.7	3.9	3.8	3.7	3.5	3.3
75°	3.5	3.7	3.9	4.1	4.1	3.9	4.0	4.2	4.3	4.3	4.2
72.5°	6.3	6.5	7.0	7.7	7.8	7.9	7.7	7.1	6.4	5.7	5.1
70°	9.1	9.6	10.9	12.9	14.2	14.8	14.6	13.4	11.0	9.4	8.0
67.5°	11.4	12.0	13.8	16.5	18.6	20.4	22.3	23.5	22.7	20.2	14.2
65°	12.0	13.5	15.0	16.3	18.4	21.6	27.5	30.6	31.8	31.0	24.4
62.5°	9.9	11.3	12.3	13.6	15.3	19.0	27.2	33.6	38.3	38.0	30.5
60°	8.2	9.0	9.7	10.6	11.7	15.8	23.6	32.5	42.7	39.7	33.5
57.5°	7.5	8.0	8.5	8.8	9.0	12.3	18.4	26.8	36.4	35.9	32.6
55°	7.6	8.1	8.6	8.9	9.1	10.8	13.4	18.7	26.1	28.1	26.8
52.5°	8.9	9.0	9.3	9.9	10.2	10.6	11.6	14.6	16.8	19.5	21.0
50°	10.2	10.2	10.2	10.2	10.7	11.0	11.4	12.6	13.9	14.9	15.4
47.5°	12.7	12.5	11.7	11.4	12.2	11.7	11.9	12.1	13.2	13.8	13.8
45°	21.7	20.7	15.9	16.3	16.3	15.9	14.0	15.1	14.3	14.2	14.2
42.5°	53.5	41.5	37.0	30.1	25.4	23.9	21.6	21.6	20.4	16.9	17.0
40°	81.3	66.5	57.1	52.0	43.4	36.4	37.1	30.7	28.9	25.2	24.1
37.5°	95.2	73.5	83.8	79.7	68.5	66.2	65.3	53.5	38.9	46.2	44.4
35°	142.0	134.1	143.0	137.1	112.6	132.6	119.9	93.0	76.5	80.9	74.2
32.5°	289.8	284.2	264.6	244.3	238.6	237.7	215.7	165.1	152.0	141.1	119.7
30°	544.5	504.6	456.2	429.0	419.7	385.1	344.5	352.5	289.4	219.6	180.2
27.5°	939.4	795.3	725.0	754.8	661.2	584.3	621.0	655.4	489.0	356.8	266.7
25°	1448.3	1239.9	1227.9	1227.6	1084.8	944.7	1004.4	1008.4	844.0	540.8	384.5
22.5°	2022.1	1815.1	1736.4	1822.8	1657.0	1531.3	1456.9	1403.1	1279.6	878.9	596.8
20°	2505.5	2323.4	2189.4	2193.3	2218.0	2114.6	1964.1	1820.6	1652.8	1319.1	866.9
17.5°	3085.2	2754.7	2529.9	2480.6	2584.7	2593.7	2410.8	2188.0	2013.5	1773.8	1176.1
15°	3996.4	3170.0	2833.3	2723.0	2785.2	2838.8	2757.3	2527.6	2356.7	2158.5	1535.6
12.5°	6370.0	3561.6	3088.6	2826.3	2816.2	2956.9	2988.8	2843.8	2623.8	2343.4	1788.4
10°	8567.7	4477.8	3339.2	2981.5	2867.6	2990.7	3078.3	2911.9	2669.1	2436.8	2005.0
7.5°	13318.1	5930.2	3585.4	3109.3	2908.0	2942.7	3017.4	2863.1	2683.1	2501.2	2185.2
5°	16675.4	6998.2	3741.0	3193.1	2935.6	2928.1	2978.0	2778.0	2672.4	2542.1	2328.6
2.5°	18566.7	7544.9	3828.7	3251.4	2959.1	2946.0	2975.7	2724.8	2652.0	2529.6	2351.1
0°	17813.1	7009.9	3786.9	3263.0	2976.6	2988.2	3007.6	2713.4	2628.2	2501.8	2339.2
-2.5°	18254.2	7407.8	3833.2	3262.3	2991.1	2997.8	3156.2	2840.6	2699.2	2529.4	2316.0
-5°	15980.9	6670.8	3673.5	3140.7	2912.9	2941.5	3120.6	2878.1	2704.8	2525.9	2256.6
-7.5°	12393.5	5599.0	3453.8	2990.4	2809.1	2859.9	2979.6	2801.5	2587.0	2419.7	2114.8
-10°	7900.7	4278.9	3188.5	2836.4	2710.8	2785.9	2864.9	2688.4	2462.9	2309.9	1951.0
-12.5°	5528.2	3396.7	2913.0	2667.0	2631.9	2767.3	2804.7	2563.6	2333.9	2199.3	1771.4
-15°	3641.8	3021.8	2735.9	2598.5	2606.8	2733.7	2762.0	2546.3	2357.5	2138.9	1581.6
-17.5°	3097.2	2755.8	2590.1	2572.9	2645.9	2713.1	2723.4	2594.6	2408.4	2100.7	1412.1
-20°	2792.1	2614.8	2593.3	2620.5	2696.7	2748.0	2742.0	2658.9	2431.5	1906.9	1223.2



REPORT NUMBER: P731474 (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°	2627.6	2662.8	2712.6	2745.3	2739.9	2753.6	2736.1	2660.8	2428.5	1637.6	1009.1
-25°	2736.0	2860.7	2979.7	2993.3	2862.1	2759.7	2735.5	2590.3	2083.0	1348.3	805.4
-27.5°	3050.9	3225.3	3355.7	3300.2	3106.8	2851.7	2695.0	2445.8	1669.1	1071.5	787.1
-30°	3487.3	3568.0	3633.8	3594.9	3319.2	3018.3	2681.7	1958.9	1312.5	845.4	767.1
-32.5°	3784.4	3766.3	3769.2	3707.8	3459.7	3091.7	2277.0	1483.8	958.8	820.6	762.8
-35°	3907.2	3788.0	3698.9	3598.9	3484.5	2583.7	1728.8	1104.7	866.7	799.8	761.9
-37.5°	3848.9	3637.7	3482.7	3275.2	2622.2	1873.7	1207.2	934.5	843.9	796.2	758.0
-40°	3589.0	3361.5	2859.9	2316.1	1764.1	1184.3	1000.0	912.6	852.8	790.7	752.3
-42.5°	2898.5	2433.4	1960.0	1499.7	1114.7	1045.0	979.5	921.5	861.7	799.3	719.7
-45°	1950.6	1560.9	1199.6	1127.5	1059.9	1019.2	986.1	931.4	871.5	776.4	680.4
-47.5°	1260.0	1190.8	1123.5	1080.4	1047.7	1015.5	985.3	939.1	832.2	733.0	637.8
-50°	1172.8	1137.8	1104.5	1073.2	1042.6	1012.6	951.1	872.5	771.8	675.7	586.2
-52.5°	1154.2	1123.2	1093.9	1065.3	1007.0	937.4	865.0	786.4	698.4	608.1	524.3
-55°	1141.5	1088.7	1031.8	972.7	910.1	839.6	767.6	691.8	612.4	530.6	453.3
-57.5°	1029.2	974.5	915.5	856.6	798.2	728.4	655.6	585.2	518.9	446.7	378.3
-60°	882.3	831.4	776.9	719.6	659.8	597.2	536.4	477.3	420.1	367.4	314.5
-62.5°	717.9	671.0	622.3	572.0	520.1	467.2	419.4	377.6	336.1	292.3	243.1
-65°	550.1	510.6	468.8	430.6	393.1	356.7	321.0	284.5	247.0	208.5	167.4
-67.5°	393.7	363.7	334.2	306.1	278.4	248.9	218.1	186.4	160.2	135.5	108.0
-70°	254.2	233.0	211.5	189.0	169.1	150.4	131.1	111.3	90.6	77.1	66.2
-72.5°	142.3	130.2	117.1	103.0	87.7	78.4	71.5	64.2	56.0	46.9	40.0
-75°	73.1	68.3	63.3	58.1	52.7	47.0	43.5	40.7	38.0	35.5	33.1
-77.5°	43.6	41.9	40.2	38.6	37.0	35.2	33.3	31.5	30.1	28.7	27.2
-80°	32.7	31.6	30.5	29.6	28.7	27.6	26.6	25.4	24.2	23.1	22.0
-82.5°	25.2	24.6	24.0	23.1	22.3	21.3	20.3	19.6	18.9	18.2	17.6
-85°	18.8	18.7	18.4	17.6	16.9	16.1	15.4	15.2	15.0	14.7	14.5
-87.5°	14.8	14.4	14.1	13.7	13.4	13.0	12.7	12.6	12.4	12.3	12.1
-90°	0.0	0.0	0.0	0.3	0.7	1.0	1.3	1.3	1.3	1.3	1.3



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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°	10.0	9.7	9.3	9.0	9.0	9.0	9.0	9.0	8.4	7.8	7.1
87.5°	1.5	1.7	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9
85°	2.0	2.1	2.4	2.6	2.6	2.6	2.6	2.6	2.9	3.1	3.2
82.5°	2.6	2.6	2.5	2.6	2.8	2.9	3.0	3.0	3.1	3.3	3.5
80°	2.9	3.0	3.0	3.0	3.1	3.3	3.5	3.5	3.6	3.8	3.9
77.5°	3.3	3.4	3.7	3.7	3.6	3.6	3.7	4.0	4.2	4.2	4.3
75°	3.9	3.8	3.8	4.0	4.0	3.9	3.8	4.0	4.3	4.6	4.7
72.5°	4.8	4.5	4.2	4.1	4.2	4.3	4.1	4.0	4.3	4.7	5.0
70°	6.6	5.5	4.9	4.7	4.6	4.7	4.6	4.5	4.4	4.7	5.0
67.5°	9.0	7.4	6.2	5.4	5.0	5.0	5.1	5.1	4.9	4.7	5.0
65°	17.4	11.7	7.6	6.5	5.7	5.2	5.2	5.5	5.4	5.2	5.1
62.5°	23.9	17.7	12.2	8.4	6.6	5.7	5.3	5.7	5.9	5.6	5.4
60°	28.1	21.4	16.5	12.0	8.3	6.4	5.8	5.9	6.1	6.1	5.8
57.5°	27.0	23.4	19.7	15.2	10.8	7.6	6.5	6.4	6.5	6.5	6.1
55°	23.8	20.8	21.6	18.3	13.3	9.2	7.5	7.0	6.9	6.8	6.5
52.5°	19.5	19.5	21.3	20.6	16.3	11.0	9.0	7.6	7.4	7.2	6.9
50°	15.7	18.6	21.2	21.8	19.1	14.3	10.4	8.8	8.0	7.7	7.3
47.5°	14.2	17.7	20.3	23.0	21.4	17.3	12.8	10.0	8.5	8.1	7.7
45°	15.8	17.2	19.9	22.3	23.9	19.7	15.4	11.0	9.4	8.6	8.2
42.5°	19.1	19.3	20.0	21.7	23.7	21.7	17.8	13.1	10.3	9.1	8.6
40°	23.9	23.4	21.6	23.4	23.7	23.3	19.4	15.1	11.2	9.7	9.0
37.5°	30.3	29.0	26.2	27.8	25.4	23.9	20.8	17.0	12.4	10.5	9.5
35°	54.8	36.3	40.9	38.6	31.6	25.1	21.9	18.5	14.2	11.4	9.8
32.5°	86.2	68.2	72.1	56.8	40.0	26.8	23.1	20.1	16.0	12.2	10.2
30°	144.6	143.3	119.5	79.9	53.1	34.6	25.4	21.9	17.7	13.1	10.7
27.5°	243.7	234.5	184.8	123.8	75.3	44.9	29.4	24.0	19.3	14.1	11.4
25°	345.5	329.3	273.4	183.4	100.8	69.8	34.0	26.5	20.9	15.5	12.1
22.5°	454.9	420.9	372.7	252.8	143.9	103.0	46.7	30.2	22.8	16.7	12.8
20°	562.5	511.5	472.9	312.5	197.5	141.5	70.6	34.2	24.7	17.9	13.4
17.5°	691.9	583.9	512.6	371.4	251.1	180.3	98.7	38.4	26.7	19.0	14.1
15°	894.6	632.1	547.7	423.3	297.5	219.1	130.2	42.8	28.7	19.9	14.6
12.5°	1079.1	676.8	582.3	468.3	337.5	257.6	163.9	47.3	30.8	20.9	15.1
10°	1251.8	717.9	615.9	506.9	371.8	295.4	198.6	51.7	32.7	21.8	15.6
7.5°	1408.4	755.4	648.0	539.3	398.1	319.5	220.2	56.0	34.5	22.6	15.9
5°	1526.3	782.9	672.0	553.9	404.8	327.8	236.3	60.1	36.1	23.3	16.3
2.5°	1537.4	796.8	690.0	561.8	409.3	333.5	248.6	63.8	37.5	24.0	16.6
0°	1514.7	806.4	704.5	565.1	411.6	336.8	256.8	67.1	38.7	24.5	16.8
-2.5°	1493.1	806.7	705.8	575.1	430.2	346.6	265.8	86.3	51.1	31.5	20.0
-5°	1444.5	803.5	703.4	581.3	445.9	354.5	271.2	104.6	62.9	38.1	23.1
-7.5°	1361.9	788.1	693.4	583.0	458.2	360.5	273.8	121.5	74.0	44.3	25.9
-10°	1251.9	764.0	673.8	573.9	464.0	368.3	274.7	136.7	83.9	49.9	28.5
-12.5°	1117.4	737.3	653.8	564.8	467.6	377.5	277.3	149.4	92.6	54.6	30.7
-15°	959.5	708.3	634.5	557.0	470.2	385.0	277.3	159.9	100.5	59.2	32.4
-17.5°	784.8	677.3	616.7	551.6	472.2	390.7	275.0	168.0	106.9	63.6	34.4
-20°	748.3	662.9	601.7	549.3	473.8	394.6	270.6	173.5	111.7	66.9	36.3



REPORT NUMBER: P731474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	736.3	664.4	606.5	547.6	475.3	396.9	264.3	176.2	114.9	68.9	37.5
-25°	722.2	667.4	613.8	547.3	475.1	385.7	261.3	176.1	116.2	69.5	37.7
-27.5°	719.6	672.1	620.4	541.9	466.9	372.9	260.1	177.0	116.1	68.7	37.0
-30°	724.3	677.6	613.8	531.1	455.1	351.9	255.1	175.6	114.9	67.5	35.2
-32.5°	726.0	682.7	598.1	515.4	432.6	329.9	243.3	171.6	111.8	65.4	34.3
-35°	723.2	665.2	576.2	495.3	406.0	312.4	229.6	165.0	106.5	61.9	33.3
-37.5°	717.0	633.7	550.1	468.9	378.8	292.3	217.2	154.5	99.1	56.9	31.6
-40°	681.3	600.5	520.0	438.8	353.2	269.6	202.5	142.3	91.4	50.4	29.2
-42.5°	643.6	564.5	485.6	407.8	325.7	250.6	185.4	127.8	81.5	45.5	26.1
-45°	601.3	524.5	447.5	371.2	296.5	228.9	166.7	111.6	69.9	41.2	23.7
-47.5°	554.9	479.6	404.2	330.7	268.9	204.6	145.3	96.8	57.1	36.0	22.7
-50°	502.8	428.9	355.5	293.0	236.3	177.6	122.7	80.4	49.8	29.8	21.6
-52.5°	445.1	371.1	310.0	255.4	200.5	147.6	102.1	63.3	41.9	26.7	20.3
-55°	379.1	318.9	267.0	213.5	161.9	119.9	79.7	53.1	33.1	24.9	18.9
-57.5°	322.3	270.5	218.0	167.7	126.6	91.2	62.8	42.1	29.2	22.9	17.9
-60°	263.7	212.5	164.2	127.0	93.4	67.7	49.1	33.2	26.7	21.0	16.8
-62.5°	195.8	153.1	120.2	89.0	67.2	50.6	36.4	30.0	24.0	19.7	15.7
-65°	135.7	105.6	78.4	63.0	47.9	36.5	32.3	26.6	22.3	18.4	14.7
-67.5°	81.8	68.4	54.9	41.3	35.7	32.0	28.0	24.4	20.7	17.0	14.1
-70°	54.7	42.9	37.1	34.1	30.9	27.6	25.4	22.6	19.1	16.1	13.5
-72.5°	37.2	34.5	31.9	29.2	26.8	24.7	23.0	20.7	17.7	15.1	12.7
-75°	30.8	28.9	27.0	25.0	23.3	21.8	20.6	18.9	16.3	14.0	11.8
-77.5°	25.6	24.0	22.4	21.1	20.2	19.3	18.3	17.0	14.9	12.8	10.7
-80°	21.0	20.0	19.1	18.3	17.5	16.8	16.2	15.4	13.5	11.6	9.6
-82.5°	16.9	16.5	16.1	15.7	15.3	14.8	14.4	13.8	12.1	10.3	8.7
-85°	14.3	14.0	13.7	13.5	13.2	12.9	12.6	12.3	10.8	9.5	8.2
-87.5°	11.9	11.7	11.5	11.2	11.1	10.9	10.8	10.6	9.6	8.6	7.7
-90°	1.3	1.3	1.3	1.3	1.6	2.0	2.3	2.6	2.6	2.6	2.6



REPORT NUMBER: P731474 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.5	5.9	5.2	4.6	3.9	3.9	3.9
87.5°	2.9	3.1	3.4	3.6	3.9	3.9	3.9
85°	3.3	3.3	3.5	3.7	3.9	4.0	3.9
82.5°	3.6	3.6	3.6	3.7	3.9	4.0	3.9
80°	3.9	3.8	3.7	3.8	3.9	4.0	3.9
77.5°	4.3	4.0	3.8	3.8	3.9	4.0	3.9
75°	4.6	4.3	3.9	3.8	3.9	4.1	3.9
72.5°	4.9	4.5	4.2	3.9	3.9	4.1	3.9
70°	5.2	4.8	4.4	3.9	4.0	4.1	3.9
67.5°	5.2	5.1	4.6	4.1	4.0	4.2	3.9
65°	5.3	5.2	4.8	4.2	4.0	4.2	3.9
62.5°	5.4	5.3	5.0	4.4	4.0	4.2	3.9
60°	5.4	5.5	5.2	4.5	4.1	4.3	3.9
57.5°	5.7	5.6	5.3	4.7	4.2	4.3	3.9
55°	6.1	5.7	5.5	4.8	4.3	4.3	3.9
52.5°	6.4	5.9	5.6	5.0	4.4	4.4	3.9
50°	6.7	6.1	5.7	5.1	4.6	4.4	3.9
47.5°	7.0	6.4	5.9	5.2	4.7	4.5	3.9
45°	7.4	6.6	6.0	5.3	4.8	4.5	3.9
42.5°	7.8	6.9	6.2	5.5	4.9	4.5	3.9
40°	8.2	7.1	6.4	5.6	5.1	4.6	3.9
37.5°	8.7	7.3	6.6	5.8	5.2	4.6	3.9
35°	9.1	7.6	6.7	6.0	5.3	4.7	3.9
32.5°	9.5	8.0	6.9	6.1	5.4	4.7	3.9
30°	9.9	8.3	7.0	6.3	5.5	4.7	3.9
27.5°	10.2	8.7	7.2	6.4	5.6	4.8	3.9
25°	10.5	9.0	7.4	6.6	5.7	4.8	3.9
22.5°	10.8	9.3	7.6	6.7	5.8	4.9	3.9
20°	11.1	9.6	7.8	6.9	5.9	4.9	3.9
17.5°	11.3	9.8	8.0	7.0	6.0	5.0	3.9
15°	11.5	9.9	8.1	7.1	6.1	5.0	3.9
12.5°	11.8	10.1	8.3	7.2	6.2	5.0	3.9
10°	12.0	10.2	8.5	7.3	6.2	5.1	3.9
7.5°	12.3	10.2	8.6	7.4	6.3	5.1	3.9
5°	12.5	10.3	8.8	7.5	6.4	5.1	3.9
2.5°	12.7	10.3	8.9	7.6	6.4	5.2	3.9
0°	12.9	10.3	9.0	7.7	6.5	5.2	3.9
-2.5°	14.1	10.9	9.2	7.8	6.6	5.2	3.9
-5°	15.2	11.4	9.4	7.9	6.6	5.3	3.9
-7.5°	16.3	11.9	9.6	7.9	6.6	5.3	3.9
-10°	17.3	12.4	9.8	8.0	6.7	5.3	3.9
-12.5°	18.1	12.8	10.0	8.0	6.7	5.3	3.9
-15°	18.9	13.2	10.1	8.1	6.7	5.3	3.9
-17.5°	19.5	13.5	10.2	8.1	6.7	5.3	3.9
-20°	20.1	13.7	10.3	8.1	6.8	5.3	3.9



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.8	13.9	10.3	8.2	6.8	5.3	3.9
-25°	21.1	14.0	10.3	8.2	6.8	5.3	3.9
-27.5°	21.1	14.1	10.3	8.2	6.8	5.3	3.9
-30°	20.6	14.0	10.2	8.2	6.8	5.3	3.9
-32.5°	19.7	13.9	10.2	8.1	6.8	5.3	3.9
-35°	19.3	13.8	10.2	8.1	6.7	5.3	3.9
-37.5°	19.0	13.5	10.1	8.1	6.7	5.2	3.9
-40°	18.6	13.4	9.9	8.0	6.7	5.2	3.9
-42.5°	18.1	13.2	9.8	8.0	6.7	5.2	3.9
-45°	17.4	12.9	9.8	8.0	6.6	5.1	3.9
-47.5°	16.6	12.6	9.8	7.9	6.6	5.1	3.9
-50°	16.0	12.2	9.7	7.9	6.5	5.1	3.9
-52.5°	15.4	11.7	9.6	7.8	6.5	5.0	3.9
-55°	14.7	11.5	9.4	7.7	6.4	5.0	3.9
-57.5°	13.9	11.2	9.3	7.6	6.4	4.9	3.9
-60°	13.1	11.0	9.1	7.5	6.3	4.8	3.9
-62.5°	12.7	10.7	8.9	7.3	6.2	4.8	3.9
-65°	12.3	10.4	8.6	7.2	6.0	4.7	3.9
-67.5°	11.8	10.0	8.2	7.0	5.8	4.6	3.9
-70°	11.3	9.4	7.9	6.8	5.6	4.6	3.9
-72.5°	10.5	8.8	7.5	6.5	5.4	4.5	3.9
-75°	9.7	8.2	7.1	6.3	5.2	4.4	3.9
-77.5°	8.7	7.6	6.8	6.0	5.0	4.3	3.9
-80°	7.8	7.2	6.5	5.7	4.8	4.2	3.9
-82.5°	7.4	6.8	6.2	5.4	4.6	4.2	3.9
-85°	7.1	6.5	5.9	5.1	4.4	4.1	3.9
-87.5°	6.8	6.2	5.5	4.8	4.1	4.0	3.9
-90°	2.6	2.9	3.3	3.6	3.9	3.9	3.9

(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

