

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: P731475 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-1S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731475 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
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-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

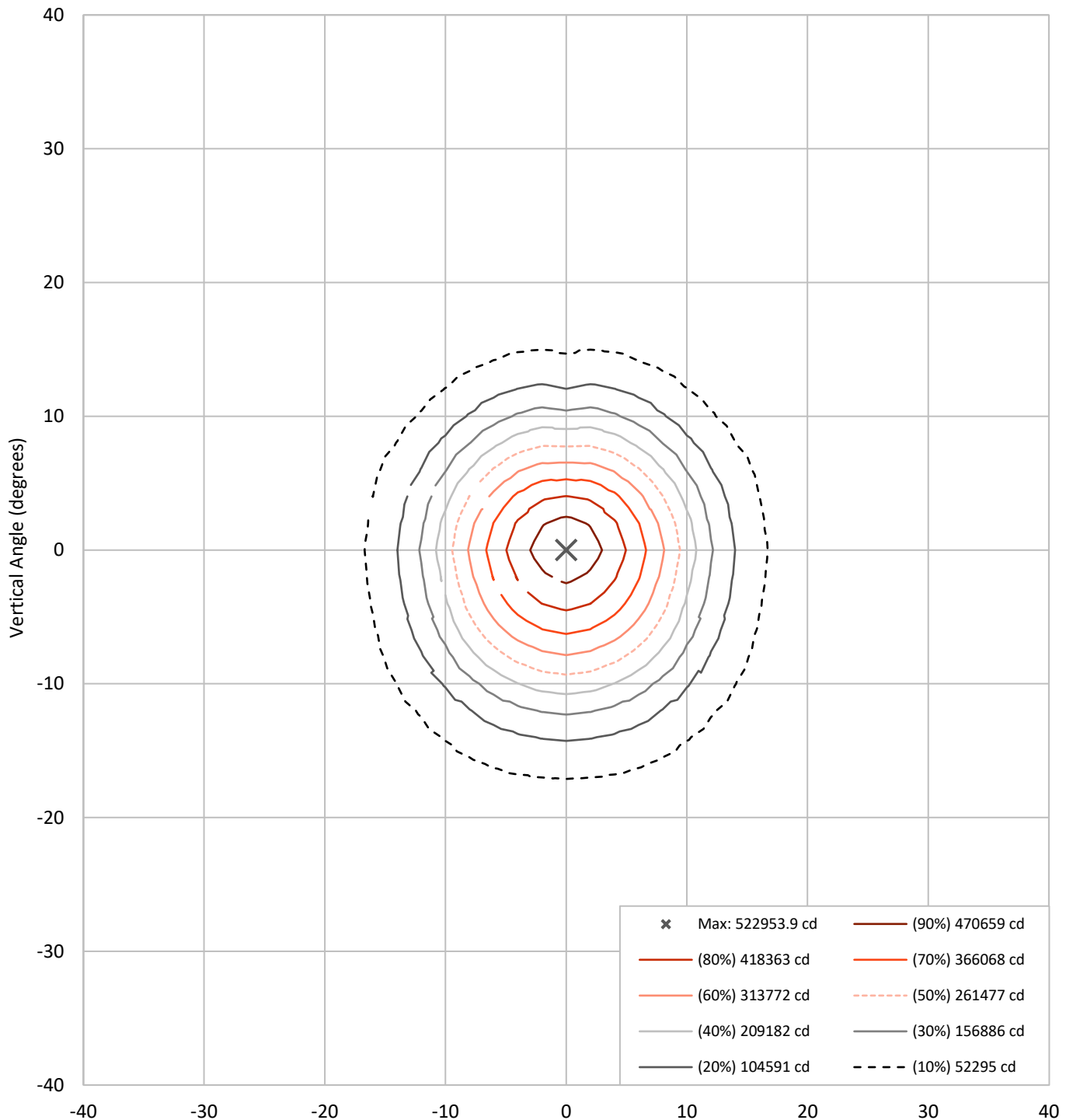
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	60292.1 lumens	Max Intensity:	522953.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	27771.9 lumens	Field Lumens:	51049 lumens
Beam Efficiency:	46.1%	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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Iso-Candela Plot





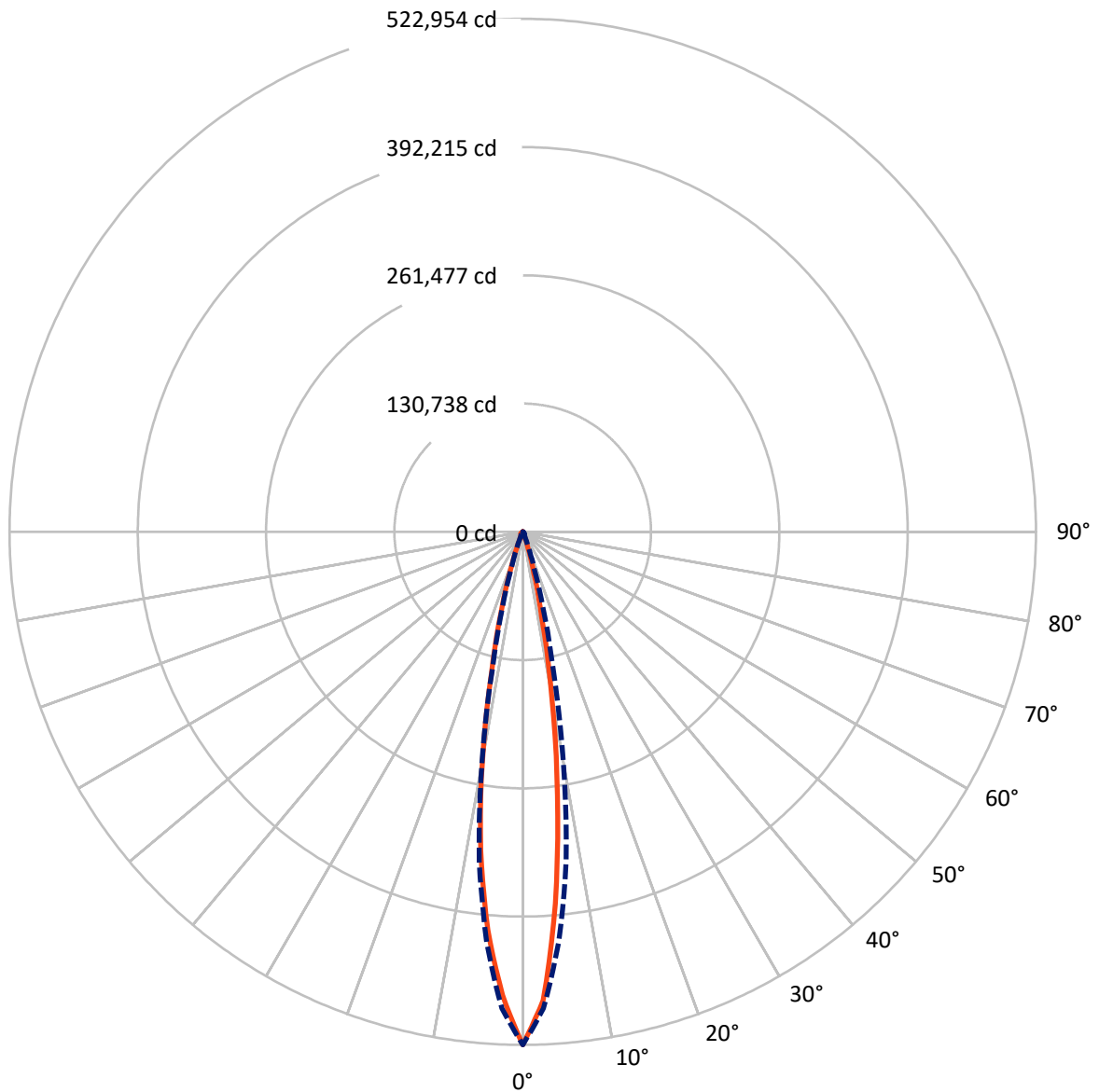
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Lumen Table

90	0.1		0.3		0.5		0.4		0.5		0.4		0.5		0.3		0.1	
80	0.1		0.3		0.5		0.4		0.5		0.4		0.5		0.3		0.1	
70	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.1	0.1	0.1		
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.1			
50	0.2	0.1	0.3	0.4	0.5	0.7	0.9	1.0	1.0	0.9	0.7	0.5	0.4	0.3	0.1	0.2		
40		0.2	0.7	1.3	2.9	4.6	4.9	5.6	5.6	4.9	4.6	2.9	1.3	0.7	0.2			
30	0.2	0.3	2.1	7.3	19.5	23.7	31.3	58.3	58.3	31.3	23.7	19.5	7.3	2.1	0.3	0.2		
20		0.7	4.7	19.0	41.5	58.3	398.1	1601.0	1601.0	398.1	58.3	41.5	19.0	4.7	0.7			
10	0.3	1.4	8.0	36.7	62.7	145.2	2080.3	8977.7	8977.7	2080.3	145.2	62.7	36.7	8.0	1.4	0.3		
0		2.2	10.6	43.3	72.4	144.1	2256.9	9608.5	9608.5	2256.9	144.1	72.4	43.3	10.6	2.2			
-10	0.4	2.6	10.9	40.7	77.1	90.5	654.6	2478.8	2478.8	654.6	90.5	77.1	40.7	10.9	2.6	0.4		
-20		2.4	9.5	22.5	58.8	72.9	88.9	164.4	164.4	88.9	72.9	58.8	22.5	9.5	2.4			
-30	0.4	2.1	7.1	13.2	32.7	62.1	74.3	77.0	77.0	74.3	62.1	32.7	13.2	7.1	2.1	0.4		
-40		1.3	4.9	10.4	16.8	30.4	55.5	76.6	76.6	55.5	30.4	16.8	10.4	4.9	1.3			
-50	0.2	0.6	2.8	7.0	12.8	18.3	22.7	25.4	25.4	22.7	18.3	12.8	7.0	2.8	0.6	0.2		
-60		0.3	1.0	3.2	6.8	11.1	15.6	18.4	18.4	15.6	11.1	6.8	3.2	1.0	0.3			
-70	0.2	0.6	2.8	7.0	12.8	18.3	22.7	25.4	25.4	22.7	18.3	12.8	7.0	2.8	0.6	0.2		
-80		0.3	1.0	3.2	6.8	11.1	15.6	18.4	18.4	15.6	11.1	6.8	3.2	1.0	0.3			
-90	0.2		0.8		2.5		6.1		9.0		6.1		2.5		0.8		0.2	

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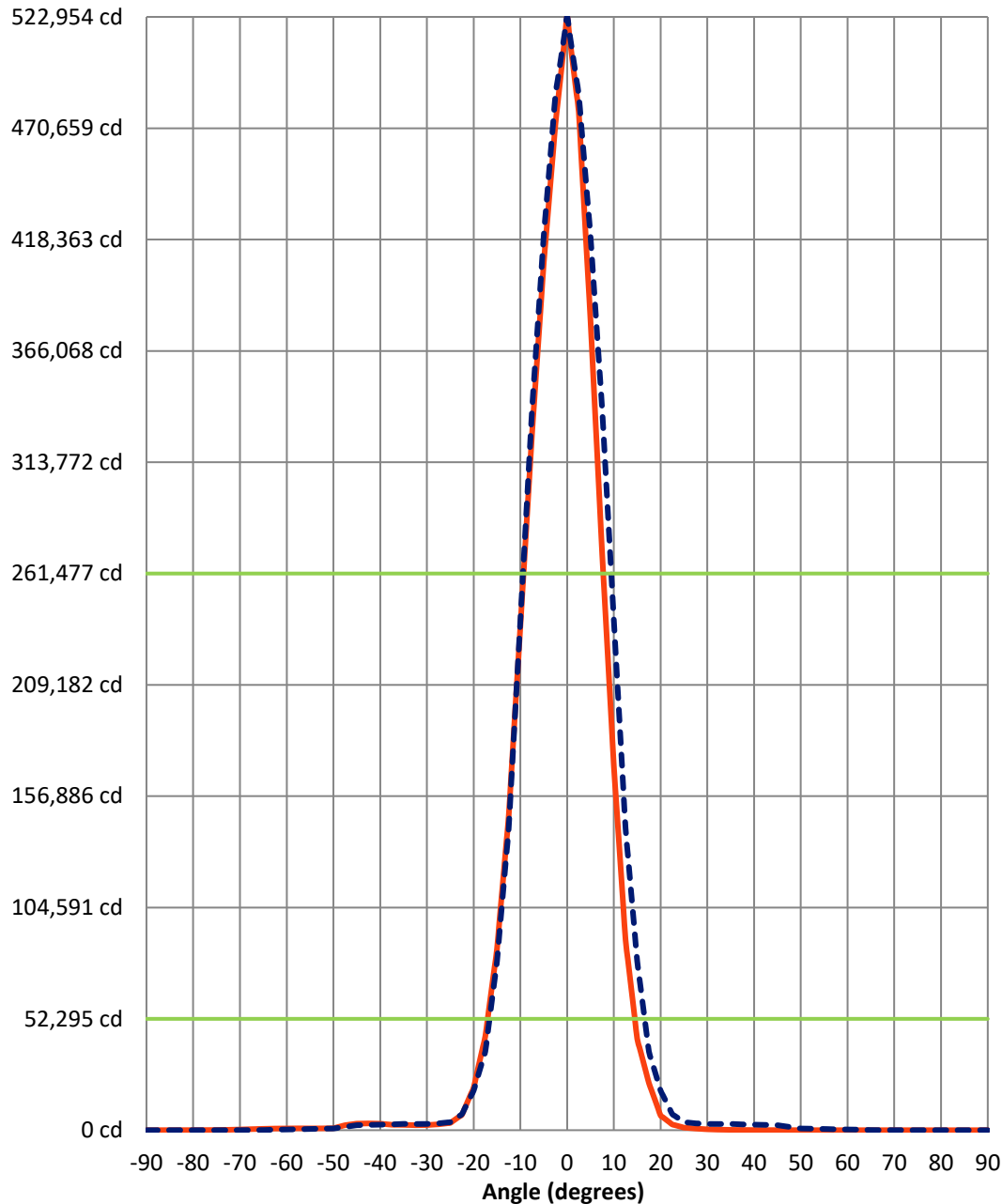
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 18.9°
V Angle: 17.1°
Lumens: 27771.9
Efficiency: 46.1%

Field:
H Angle: 33.2°
V Angle: 31.5°
Lumens: 51049
Efficiency: 84.7%

Spill:
Lumens: 9243
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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.7	7.1	7.4	7.7
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	5.8	5.4	5.1
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	5.8	5.4	5.1
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	5.8	5.6	5.5
80°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.0	6.0	6.0
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.3	6.4
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5
67.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.6	6.6
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.7	6.8	6.7
62.5°	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.6	7.0	7.0	6.7
60°	6.4	6.4	6.4	6.4	6.4	6.7	6.6	7.0	7.3	7.1	6.8
57.5°	6.4	6.4	6.4	6.4	6.5	6.8	6.9	7.3	7.4	7.1	6.9
55°	6.4	6.4	6.4	6.4	6.7	6.9	7.1	7.7	7.5	7.2	6.9
52.5°	6.4	6.4	6.4	6.4	6.8	7.1	7.4	7.7	7.6	7.3	7.0
50°	6.4	6.4	6.4	6.4	6.9	7.2	7.6	7.7	7.6	7.4	7.9
47.5°	6.4	6.4	6.4	6.4	7.1	7.3	7.7	7.7	7.7	7.4	8.7
45°	6.4	6.4	6.4	6.5	7.2	7.5	7.7	7.7	7.7	8.0	9.3
42.5°	6.4	6.4	6.4	6.7	7.4	7.6	7.7	7.7	7.8	8.4	10.2
40°	6.4	6.4	6.4	6.8	7.5	7.6	7.7	7.9	8.0	8.8	10.9
37.5°	6.4	6.4	6.4	6.9	7.6	7.7	7.7	8.0	8.4	9.3	11.5
35°	6.4	6.4	6.4	7.0	7.6	7.7	7.7	8.1	8.8	10.3	11.9
32.5°	6.4	6.4	6.4	7.1	7.7	7.7	7.7	8.3	9.1	11.4	13.3
30°	6.4	6.4	6.4	7.2	7.7	7.7	7.9	8.5	9.5	12.6	15.0
27.5°	6.4	6.4	6.4	7.3	7.7	7.7	8.0	8.8	10.1	14.0	16.9
25°	6.4	6.4	6.4	7.3	7.7	7.7	8.2	9.1	11.1	15.5	19.2
22.5°	6.4	6.4	6.4	7.4	7.7	7.7	8.3	9.3	12.2	17.2	22.5
20°	6.4	6.4	6.4	7.5	7.7	7.8	8.5	9.6	13.3	19.1	25.7
17.5°	6.4	6.4	6.4	7.5	7.7	7.9	8.7	9.8	14.5	20.9	28.8
15°	6.4	6.4	6.4	7.6	7.7	8.1	9.0	10.1	15.6	22.9	31.8
12.5°	6.4	6.4	6.4	7.6	7.7	8.2	9.2	10.6	16.8	24.8	34.5
10°	6.4	6.4	6.4	7.6	7.7	8.4	9.5	11.0	18.0	27.2	38.6
7.5°	6.4	6.4	6.4	7.7	7.7	8.5	9.7	11.5	19.1	29.5	45.9
5°	6.4	6.4	6.4	7.7	7.7	8.7	9.9	12.0	20.1	31.8	53.4
2.5°	6.4	6.4	6.4	7.7	7.7	8.9	10.1	12.4	21.0	34.0	60.9
0°	6.4	6.4	6.4	7.7	7.7	9.0	10.3	12.8	21.8	36.0	68.1
-2.5°	6.4	6.4	6.5	7.7	7.8	9.1	11.0	15.4	27.6	46.7	86.3
-5°	6.4	6.4	6.5	7.7	7.9	9.3	11.6	17.9	33.0	56.9	103.3
-7.5°	6.4	6.4	6.6	7.7	8.0	9.4	12.2	20.2	38.1	66.4	118.9
-10°	6.4	6.4	6.6	7.7	8.1	9.5	12.7	22.2	42.5	74.8	132.5
-12.5°	6.4	6.4	6.7	7.6	8.2	9.6	13.1	23.9	46.3	82.2	143.2
-15°	6.4	6.4	6.7	7.6	8.3	9.6	13.4	25.1	50.4	90.1	151.6
-17.5°	6.4	6.4	6.8	7.6	8.3	9.7	13.6	27.0	55.0	96.6	158.0
-20°	6.4	6.4	6.8	7.6	8.4	9.7	14.1	29.2	58.5	101.6	162.1



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.4	6.4	6.8	7.6	8.4	9.8	14.9	30.5	60.8	105.1	164.0
-25°	6.4	6.4	6.8	7.6	8.4	10.0	15.4	31.0	61.7	106.9	163.5
-27.5°	6.4	6.4	6.9	7.6	8.4	10.3	15.5	30.6	61.2	107.4	164.9
-30°	6.4	6.4	6.9	7.6	8.3	10.5	15.2	29.1	60.3	106.7	164.3
-32.5°	6.4	6.4	6.9	7.6	8.4	10.6	14.5	28.4	58.6	103.9	161.3
-35°	6.4	6.4	6.9	7.6	8.4	10.6	14.3	27.5	55.5	99.1	156.1
-37.5°	6.4	6.4	6.9	7.6	8.4	10.6	14.3	26.0	50.8	92.1	142.3
-40°	6.4	6.4	6.8	7.7	8.4	10.6	14.2	23.7	44.7	84.9	127.4
-42.5°	6.4	6.4	6.8	7.7	8.4	10.5	14.0	20.8	40.0	73.8	111.5
-45°	6.4	6.4	6.8	7.8	8.4	10.4	13.6	18.5	35.8	61.5	95.0
-47.5°	6.4	6.4	6.7	7.8	8.4	10.2	13.1	17.9	30.6	48.6	80.5
-50°	6.4	6.4	6.7	7.7	8.4	10.0	12.7	17.1	24.1	41.2	65.2
-52.5°	6.4	6.4	6.6	7.6	8.4	9.7	12.3	16.1	21.0	33.4	50.0
-55°	6.4	6.4	6.6	7.5	8.4	9.6	11.9	15.0	19.4	25.2	40.8
-57.5°	6.4	6.4	6.5	7.4	8.3	9.4	11.4	14.3	17.7	21.8	31.2
-60°	6.4	6.4	6.4	7.2	8.2	9.2	10.8	13.4	16.1	19.9	23.8
-62.5°	6.4	6.4	6.4	7.1	8.0	9.0	10.4	12.6	15.1	17.9	21.5
-65°	6.4	6.4	6.4	7.0	7.8	8.7	10.0	11.7	14.1	16.5	19.2
-67.5°	6.4	6.4	6.4	6.8	7.6	8.4	9.5	11.1	13.0	15.3	17.6
-70°	6.4	6.4	6.4	6.7	7.4	8.2	9.0	10.4	12.1	14.0	16.2
-72.5°	6.4	6.4	6.4	6.7	7.2	7.9	8.6	9.7	11.2	12.9	14.7
-75°	6.4	6.4	6.4	6.6	7.0	7.7	8.3	9.2	10.2	11.7	13.3
-77.5°	6.4	6.4	6.4	6.6	6.9	7.4	8.0	8.7	9.6	10.6	11.8
-80°	6.4	6.4	6.4	6.6	6.8	7.2	7.7	8.3	9.0	9.8	10.7
-82.5°	6.4	6.4	6.4	6.5	6.7	7.0	7.4	7.9	8.4	9.0	9.7
-85°	6.4	6.4	6.4	6.5	6.6	6.8	7.1	7.5	7.9	8.4	8.8
-87.5°	6.4	6.4	6.4	6.4	6.5	6.6	6.7	7.1	7.5	7.9	8.2
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	5.8	5.4	5.1



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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	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	5.1	5.1	5.1	5.1	4.8	4.5	4.2	3.9	3.9	3.9	3.9
85°	5.1	5.1	5.1	5.1	4.8	4.5	4.2	3.9	3.9	3.9	3.9
82.5°	5.5	5.4	5.3	5.1	4.8	4.5	4.2	4.1	4.1	4.1	4.0
80°	6.0	5.8	5.5	5.2	5.0	4.9	4.8	4.9	4.8	4.6	4.3
77.5°	6.1	5.8	5.5	5.2	5.1	5.2	5.3	5.1	4.9	4.6	4.3
75°	6.2	5.9	5.7	5.7	5.8	5.7	5.6	5.2	5.0	4.9	4.9
72.5°	6.3	6.1	6.2	6.4	6.2	5.9	5.6	5.3	5.6	6.2	6.7
70°	6.3	6.4	6.4	6.4	6.3	6.1	6.4	7.2	8.3	9.7	11.9
67.5°	6.4	6.4	6.4	6.4	6.4	6.8	7.8	12.5	18.1	20.6	21.5
65°	6.4	6.4	6.4	6.4	6.4	10.0	15.2	21.8	28.6	29.9	29.1
62.5°	6.4	6.4	6.4	7.3	10.3	15.2	21.3	28.4	36.4	36.6	32.0
60°	6.5	6.4	7.7	10.6	14.1	18.8	25.9	31.5	37.5	40.1	30.7
57.5°	6.6	7.4	10.1	13.5	17.3	20.9	25.0	30.5	33.3	33.7	24.9
55°	7.1	9.1	12.3	16.1	19.1	18.9	22.0	24.4	25.4	24.0	17.2
52.5°	8.4	10.7	14.4	18.0	19.2	17.8	17.1	18.7	18.0	15.5	12.6
50°	9.6	12.6	16.4	19.4	19.2	16.4	13.8	14.6	13.9	12.2	10.3
47.5°	10.9	14.2	18.7	20.7	18.4	16.4	14.1	13.4	12.7	13.0	11.6
45°	12.1	15.8	20.8	20.4	18.9	18.1	16.3	14.0	16.3	16.7	16.2
42.5°	13.1	17.2	20.7	20.4	21.4	20.9	19.4	20.4	21.6	22.7	23.2
40°	14.0	18.3	21.1	24.2	24.6	24.5	26.6	28.4	28.5	30.4	31.9
37.5°	14.7	19.3	23.7	30.8	28.5	30.8	35.0	38.6	40.7	39.1	43.7
35°	15.0	21.0	32.1	39.6	37.4	39.4	45.9	53.1	60.3	56.2	64.2
32.5°	16.2	23.4	42.8	49.5	56.8	57.2	58.2	78.4	93.8	100.7	104.5
30°	19.1	33.2	54.7	61.0	83.9	88.6	87.8	112.7	141.1	208.8	260.6
27.5°	23.0	45.2	65.7	84.9	117.3	125.6	137.5	166.3	253.4	381.9	527.4
25°	26.9	60.8	77.8	117.2	153.2	170.4	190.9	234.3	410.4	698.6	804.0
22.5°	35.2	78.2	97.3	153.9	193.0	216.4	253.8	359.6	602.9	1045.6	1074.1
20°	48.7	94.4	125.8	188.8	236.3	262.1	316.5	489.6	816.8	1139.4	1265.0
17.5°	62.8	112.3	157.0	223.9	283.3	320.0	386.9	613.2	983.5	1260.8	1408.8
15°	77.3	131.6	185.8	262.7	334.6	392.5	526.0	780.3	1099.1	1404.2	1617.0
12.5°	91.8	151.8	212.2	304.0	389.6	464.9	694.2	1056.4	1351.5	1596.9	1878.0
10°	106.1	172.4	236.3	346.8	447.0	536.5	879.3	1353.7	1644.6	1861.1	2107.4
7.5°	140.6	204.1	263.1	389.6	505.3	606.6	1072.6	1661.7	1910.9	2087.3	2272.7
5°	179.6	246.5	314.7	453.2	568.8	673.6	1260.7	1967.7	2155.4	2283.4	2398.7
2.5°	218.1	287.2	365.1	516.6	632.1	735.3	1419.5	2166.9	2327.8	2449.5	2541.5
0°	254.4	326.3	413.7	575.6	691.2	792.7	1555.8	2335.6	2480.8	2602.9	2713.4
-2.5°	274.7	357.9	450.1	598.1	697.9	796.3	1449.6	2278.1	2494.8	2657.6	2822.5
-5°	290.5	387.1	483.8	617.1	702.7	796.5	1325.3	2178.9	2511.5	2713.9	2915.4
-7.5°	301.8	413.0	514.6	632.6	708.4	799.7	1318.6	2214.1	2611.7	2795.2	2992.8
-10°	306.7	422.8	520.8	635.7	715.3	803.2	1302.1	2197.8	2708.3	2879.8	3057.2
-12.5°	297.2	418.1	519.1	634.7	721.0	802.9	1235.5	2124.3	2804.8	2972.4	3088.9
-15°	286.1	411.3	512.9	629.3	725.8	798.8	1111.8	1990.0	2822.2	2929.7	3044.6
-17.5°	274.2	402.5	501.9	619.4	730.1	790.8	916.2	1651.0	2531.3	2789.4	2971.9
-20°	262.3	391.7	485.8	605.0	730.6	764.3	828.2	1325.1	2066.9	2587.5	2828.0



REPORT NUMBER: P731475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	250.8	379.2	467.6	585.5	682.2	724.4	771.1	1022.8	1582.2	2327.8	2573.8
-25°	245.5	360.1	450.8	544.8	632.7	682.7	709.5	778.4	1183.8	1837.4	2291.8
-27.5°	243.7	343.6	425.7	505.5	590.0	637.5	658.4	709.2	929.1	1364.8	1978.6
-30°	238.8	318.4	399.2	469.9	547.5	593.6	610.6	655.4	730.6	1046.4	1491.5
-32.5°	224.4	292.3	370.0	439.4	506.9	560.0	582.8	623.5	677.7	774.1	1093.5
-35°	206.5	270.0	339.6	407.8	469.9	527.8	568.1	597.4	634.2	682.9	839.7
-37.5°	190.7	246.7	309.0	374.9	434.7	494.1	551.3	578.2	607.1	644.2	709.9
-40°	173.4	222.4	281.3	341.5	399.9	457.8	513.3	561.7	584.7	623.0	668.2
-42.5°	154.8	201.8	253.9	308.0	363.8	418.5	473.4	524.8	574.4	604.7	640.9
-45°	136.0	179.6	226.2	276.8	326.7	378.0	429.3	482.3	543.5	596.5	622.9
-47.5°	116.1	156.5	200.3	245.1	291.2	337.5	384.3	441.3	502.5	559.8	615.4
-50°	96.2	133.4	173.7	215.7	256.8	298.4	341.0	400.6	459.7	515.6	568.7
-52.5°	78.4	109.1	147.3	187.1	224.8	261.7	305.5	359.8	416.3	471.5	522.0
-55°	59.8	87.8	119.6	157.0	194.6	228.2	270.5	320.1	371.1	424.2	473.8
-57.5°	46.1	66.6	93.9	124.8	160.7	197.9	238.8	280.1	326.6	374.7	418.6
-60°	35.0	49.2	69.4	95.4	123.6	160.5	204.8	245.7	284.7	323.1	364.2
-62.5°	25.1	36.4	49.8	67.2	91.5	120.1	157.5	199.6	244.9	278.2	310.5
-65°	22.6	25.9	35.2	47.6	60.4	84.0	112.2	143.7	181.8	215.7	250.3
-67.5°	20.0	23.1	26.2	31.0	42.3	54.9	68.2	93.3	121.0	144.4	168.9
-70°	18.2	20.3	23.1	25.8	28.7	34.4	45.5	57.2	68.6	81.7	101.5
-72.5°	16.4	18.1	20.2	22.5	25.0	27.9	31.0	34.3	41.0	49.5	57.6
-75°	14.6	15.8	17.4	19.1	21.2	23.4	25.9	28.5	30.9	33.0	35.1
-77.5°	12.8	13.7	14.8	15.9	17.1	18.8	20.6	22.5	24.3	25.9	27.5
-80°	11.1	11.6	12.3	13.0	14.0	15.0	16.0	17.0	18.0	19.1	20.4
-82.5°	9.8	10.0	10.2	10.5	11.2	11.9	12.6	13.4	13.9	14.5	15.1
-85°	8.6	8.4	8.3	8.3	8.9	9.4	10.0	10.6	10.8	11.0	11.2
-87.5°	8.2	8.0	7.9	7.7	7.9	8.1	8.4	8.6	8.7	8.7	8.7
-90°	5.1	5.1	5.1	5.1	4.8	4.5	4.2	3.9	3.9	3.9	3.9



REPORT NUMBER: P731475 (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°	7.7	8.0	8.4	8.7	9.0	9.6	10.3	10.9	11.6	16.4	21.2
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	2.3	2.0	1.6	1.3	1.3	1.3
82.5°	3.9	3.6	3.3	3.0	2.6	2.3	2.0	1.6	1.3	1.3	1.3
80°	3.9	3.6	3.3	3.0	2.6	2.5	2.5	2.4	2.4	2.2	1.9
77.5°	4.1	3.9	3.7	3.5	3.3	3.2	3.1	2.9	2.6	2.3	2.0
75°	5.0	5.0	4.9	4.6	4.1	3.7	3.3	3.0	2.7	2.6	2.5
72.5°	7.0	6.9	6.5	6.3	5.7	5.3	5.2	5.0	4.6	4.7	4.8
70°	13.2	13.4	12.8	11.6	9.9	8.7	8.2	7.4	6.4	6.3	6.7
67.5°	20.7	19.0	17.5	15.8	13.5	11.5	10.5	9.6	8.7	8.5	8.7
65°	26.1	20.7	17.8	15.6	13.9	12.4	11.2	10.0	8.7	8.0	7.9
62.5°	26.2	18.7	15.1	13.4	12.2	11.2	9.5	8.0	6.7	5.9	6.0
60°	22.5	15.4	11.3	9.9	8.7	7.7	6.9	6.1	5.5	5.1	5.2
57.5°	17.1	11.1	7.7	7.5	7.2	6.7	6.3	6.1	5.6	5.1	5.4
55°	11.9	9.2	7.8	7.9	8.0	7.9	7.4	6.8	6.3	5.9	6.2
52.5°	9.5	9.3	9.7	9.9	9.1	8.4	7.7	7.6	7.7	8.0	8.3
50°	10.1	10.5	10.7	10.1	9.7	9.3	8.9	9.3	9.9	10.4	10.8
47.5°	11.7	12.3	12.6	11.5	11.5	12.3	11.8	12.1	14.4	16.3	17.6
45°	15.4	17.3	17.6	17.9	17.7	19.4	20.4	21.3	26.2	28.1	28.0
42.5°	23.7	26.5	28.4	30.2	28.8	34.0	41.4	46.5	45.2	43.4	44.1
40°	35.7	41.0	48.4	52.5	56.9	62.7	64.9	56.2	54.9	61.9	62.6
37.5°	54.4	68.6	84.3	96.4	98.4	95.8	92.7	91.4	93.4	98.0	105.0
35°	89.5	122.8	137.3	144.9	149.6	135.5	130.2	135.3	130.9	143.8	148.2
32.5°	158.6	201.5	214.1	219.8	231.4	217.2	185.7	222.9	208.8	206.7	221.1
30°	251.5	311.4	363.0	366.8	358.5	356.3	374.3	379.2	362.3	362.2	418.7
27.5°	481.7	495.3	586.5	627.8	524.6	532.4	581.6	555.5	616.6	675.5	722.1
25°	762.8	774.1	933.4	909.1	799.8	830.9	859.7	854.0	924.8	995.7	1076.4
22.5°	1021.1	1067.4	1198.3	1164.4	1115.8	1129.2	1155.7	1208.0	1303.2	1447.4	1822.9
20°	1227.3	1257.3	1320.8	1349.8	1352.6	1378.9	1463.3	1607.8	1904.3	2876.9	4050.9
17.5°	1425.8	1379.3	1455.8	1505.9	1560.0	1656.7	1852.8	2444.5	3874.4	6822.2	9711.1
15°	1714.4	1685.8	1640.8	1709.2	1859.5	2057.2	2515.2	4679.0	9536.4	15063.8	20810.6
12.5°	2028.8	1990.9	1928.8	1986.6	2214.8	2566.9	4719.9	10203.2	17967.8	27877.3	47180.0
10°	2279.4	2262.4	2223.7	2346.3	2644.1	3705.2	7518.8	16146.5	27692.2	50679.5	78779.5
7.5°	2432.8	2424.9	2458.0	2658.8	3064.4	5411.1	12291.2	24304.8	44593.1	76505.8	123677.4
5°	2600.3	2588.3	2641.5	2885.0	3364.9	6504.8	16019.0	31633.5	61847.7	105999.9	174503.4
2.5°	2780.1	2752.5	2807.2	3084.8	3600.2	6747.4	16855.9	33828.4	72090.3	128735.6	220516.4
0°	2961.3	2904.8	2934.3	3211.8	3775.8	7542.7	18590.1	36992.7	79331.1	141889.3	239504.1
-2.5°	2976.1	2880.2	2909.6	3166.2	3706.2	6494.2	16140.2	34077.1	75398.2	132020.1	219330.5
-5°	3001.1	2876.2	2867.9	3092.7	3606.9	5924.9	13693.3	31166.0	66615.0	116176.2	191834.8
-7.5°	3047.7	2900.0	2828.9	2995.2	3449.4	5150.6	11171.6	25944.7	53891.3	94754.2	149580.5
-10°	3124.0	2965.3	2849.1	2922.1	3250.6	4200.6	7391.7	18857.2	40793.2	71439.5	108602.4
-12.5°	3218.2	3144.9	2970.4	2869.5	3049.9	3564.7	5810.0	14088.9	28660.9	45196.7	72307.1
-15°	3261.9	3289.6	3163.6	2962.8	2974.6	3293.0	4063.4	7714.1	17991.0	30005.6	43379.4
-17.5°	3202.5	3333.6	3187.9	2957.5	2864.1	3052.8	3413.2	4751.5	8313.6	16030.7	23874.4
-20°	3029.1	3071.9	3042.1	2903.8	2805.9	2816.1	2994.5	3341.6	4036.4	6562.7	9339.0



REPORT NUMBER: P731475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2707.7	2735.3	2727.5	2829.9	2720.1	2670.6	2709.4	2844.1	3059.8	3387.5	4306.3
-25°	2433.9	2422.2	2485.5	2656.8	2683.9	2564.4	2533.2	2543.0	2665.6	2811.0	3012.4
-27.5°	2172.5	2251.6	2390.8	2564.6	2640.2	2559.9	2458.9	2392.8	2451.9	2497.7	2588.1
-30°	1953.9	2158.2	2304.1	2462.4	2576.1	2563.4	2465.1	2432.7	2404.8	2372.4	2395.3
-32.5°	1605.9	2045.5	2196.1	2325.4	2463.1	2518.9	2518.1	2504.5	2517.1	2490.6	2431.6
-35°	1248.1	1721.9	2112.8	2184.8	2273.7	2405.2	2506.0	2522.0	2537.1	2536.4	2522.3
-37.5°	895.4	1335.9	1732.1	2023.3	2127.9	2224.2	2412.2	2512.6	2545.3	2597.3	2616.4
-40°	734.3	866.4	1262.5	1618.8	1859.0	2150.9	2346.2	2527.8	2714.7	2824.0	2885.8
-42.5°	686.0	740.9	799.0	1073.0	1415.6	1736.1	2042.2	2388.1	2653.6	2859.8	3065.3
-45°	651.2	686.4	725.0	778.9	832.8	1104.2	1416.1	1729.2	2023.0	2319.1	2603.3
-47.5°	637.4	650.3	677.1	707.9	743.8	791.3	836.3	906.0	1148.5	1388.6	1646.2
-50°	615.2	647.6	659.2	670.4	699.4	727.2	748.7	778.2	807.5	825.9	850.2
-52.5°	568.5	610.2	645.9	678.6	697.4	713.6	727.8	752.0	774.6	794.3	807.9
-55°	520.3	563.3	604.4	644.6	682.3	718.4	749.7	767.1	784.5	802.2	809.4
-57.5°	463.5	508.9	553.4	595.2	636.2	676.3	711.9	743.9	774.7	803.1	821.0
-60°	404.1	442.8	487.7	534.1	577.0	616.5	655.8	692.9	727.2	756.4	774.7
-62.5°	346.3	383.1	420.1	462.0	508.4	553.2	588.7	624.7	661.0	692.8	715.9
-65°	283.5	314.4	344.0	375.5	408.8	444.7	482.2	519.1	555.1	585.3	608.0
-67.5°	197.9	227.5	254.9	281.9	306.9	332.1	359.1	386.4	413.6	437.6	457.9
-70°	120.7	138.6	154.5	171.8	192.4	213.6	234.8	254.4	272.1	286.9	298.7
-72.5°	65.3	72.2	79.9	92.7	104.4	117.0	130.0	142.1	153.1	163.2	172.3
-75°	37.2	40.4	45.8	50.8	55.1	60.5	66.4	72.0	77.3	82.6	87.3
-77.5°	29.1	30.6	32.1	33.5	34.8	36.8	39.1	41.3	43.6	47.5	51.6
-80°	21.7	22.7	23.7	24.7	25.6	26.9	28.2	29.5	30.6	32.3	34.0
-82.5°	15.7	16.2	16.7	17.1	17.5	18.3	19.2	20.1	21.0	22.8	24.6
-85°	11.4	11.6	11.8	11.9	12.1	12.5	13.0	13.4	13.8	15.5	17.2
-87.5°	8.8	8.8	8.9	9.0	9.0	9.3	9.7	10.0	10.3	12.0	13.6
-90°	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.0	0.7



REPORT NUMBER: P731475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	26.0	30.8	35.3	39.8	35.3	30.8	26.0	21.2	16.4	11.6	10.9
87.5°	1.3	1.3	0.6	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
80°	1.6	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2	2.4	2.4
77.5°	1.6	1.3	1.3	1.3	1.3	1.3	1.6	2.0	2.3	2.6	2.9
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.7	3.0
72.5°	4.9	5.0	5.1	5.1	5.1	5.0	4.9	4.8	4.7	4.6	5.0
70°	7.2	7.6	8.3	9.0	8.3	7.6	7.2	6.7	6.3	6.4	7.4
67.5°	8.9	9.0	7.8	6.4	7.8	9.0	8.9	8.7	8.5	8.7	9.6
65°	7.8	7.8	7.1	6.4	7.1	7.8	7.8	7.9	8.0	8.7	10.0
62.5°	6.1	6.4	6.4	6.4	6.4	6.4	6.1	6.0	5.9	6.7	8.0
60°	5.2	5.2	5.1	5.1	5.1	5.2	5.2	5.2	5.1	5.5	6.1
57.5°	5.8	6.2	6.4	6.4	6.4	6.2	5.8	5.4	5.1	5.6	6.1
55°	6.3	6.4	6.9	7.7	6.9	6.4	6.3	6.2	5.9	6.3	6.8
52.5°	8.6	8.8	9.0	9.0	9.0	8.8	8.6	8.3	8.0	7.7	7.6
50°	11.2	11.4	11.6	11.6	11.6	11.4	11.2	10.8	10.4	9.9	9.3
47.5°	18.5	18.9	19.6	20.6	19.6	18.9	18.5	17.6	16.3	14.4	12.1
45°	29.3	30.1	31.3	33.4	31.3	30.1	29.3	28.0	28.1	26.2	21.3
42.5°	46.4	47.7	49.0	51.4	49.0	47.7	46.4	44.1	43.4	45.2	46.5
40°	64.0	64.8	65.6	68.1	65.6	64.8	64.0	62.6	61.9	54.9	56.2
37.5°	108.1	103.5	98.7	109.2	98.7	103.5	108.1	105.0	98.0	93.4	91.4
35°	147.5	150.2	154.5	161.9	154.5	150.2	147.5	148.2	143.8	130.9	135.3
32.5°	223.7	235.9	241.4	249.2	241.4	235.9	223.7	221.1	206.7	208.8	222.9
30°	445.1	444.4	408.6	415.0	408.6	444.4	445.1	418.7	362.2	362.3	379.2
27.5°	736.9	745.8	741.9	760.6	741.9	745.8	736.9	722.1	675.5	616.6	555.5
25°	1147.2	1185.5	1178.0	1215.4	1178.0	1185.5	1147.2	1076.4	995.7	924.8	854.0
22.5°	2284.5	2461.3	2458.5	2694.1	2458.5	2461.3	2284.5	1822.9	1447.4	1303.2	1208.0
20°	6101.6	7308.7	6811.3	6902.9	6811.3	7308.7	6101.6	4050.9	2876.9	1904.3	1607.8
17.5°	14070.6	18160.6	19936.9	22156.5	19936.9	18160.6	14070.6	9711.1	6822.2	3874.4	2444.5
15°	32120.5	43017.7	48468.5	42905.0	48468.5	43017.7	32120.5	20810.6	15063.8	9536.4	4679.0
12.5°	67250.9	86384.1	99609.7	89460.0	99609.7	86384.1	67250.9	47180.0	27877.3	17967.8	10203.2
10°	116181.7	151424.8	180551.4	170951.9	180551.4	151424.8	116181.7	78779.5	50679.5	27692.2	16146.5
7.5°	178610.0	235544.0	271078.9	270815.7	271078.9	235544.0	178610.0	123677.4	76505.8	44593.1	24304.8
5°	256965.4	329808.4	375055.4	380511.5	375055.4	329808.4	256965.4	174503.4	105999.9	61847.7	31633.5
2.5°	314982.1	393958.3	455740.2	478024.1	455740.2	393958.3	314982.1	220516.4	128735.6	72090.3	33828.4
0°	338669.6	420089.0	486130.8	522953.9	486130.8	420089.0	338669.6	239504.1	141889.3	79331.1	36992.7
-2.5°	320057.3	395256.6	449727.0	472540.9	449727.0	395256.6	320057.3	219330.5	132020.1	75398.2	34077.1
-5°	279453.1	350273.8	392292.7	407214.7	392292.7	350273.8	279453.1	191834.8	116176.2	66615.0	31166.0
-7.5°	218687.7	277971.2	314244.1	327345.3	314244.1	277971.2	218687.7	149580.5	94754.2	53891.3	25944.7
-10°	151441.9	195508.5	227000.4	236768.9	227000.4	195508.5	151441.9	108602.4	71439.5	40793.2	18857.2
-12.5°	97582.2	123727.2	141174.5	147529.3	141174.5	123727.2	97582.2	72307.1	45196.7	28660.9	14088.9
-15°	59364.5	73922.1	82371.9	85219.0	82371.9	73922.1	59364.5	43379.4	30005.6	17991.0	7714.1
-17.5°	32709.6	39735.4	42318.4	44135.8	42318.4	39735.4	32709.6	23874.4	16030.7	8313.6	4751.5
-20°	14653.9	17704.1	19200.8	19968.6	19200.8	17704.1	14653.9	9339.0	6562.7	4036.4	3341.6



REPORT NUMBER: P731475 (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°	5650.2	6540.9	6942.0	7271.6	6942.0	6540.9	5650.2	4306.3	3387.5	3059.8	2844.1
-25°	3187.6	3311.2	3367.5	3404.5	3367.5	3311.2	3187.6	3012.4	2811.0	2665.6	2543.0
-27.5°	2652.6	2724.0	2773.0	2764.7	2773.0	2724.0	2652.6	2588.1	2497.7	2451.9	2392.8
-30°	2397.1	2419.0	2437.5	2423.0	2437.5	2419.0	2397.1	2395.3	2372.4	2404.8	2432.7
-32.5°	2390.0	2367.5	2354.6	2351.1	2354.6	2367.5	2390.0	2431.6	2490.6	2517.1	2504.5
-35°	2506.2	2496.0	2489.5	2493.7	2489.5	2496.0	2506.2	2522.3	2536.4	2537.1	2522.0
-37.5°	2618.8	2603.8	2581.0	2563.0	2581.0	2603.8	2618.8	2616.4	2597.3	2545.3	2512.6
-40°	2897.8	2951.8	3020.2	3057.7	3020.2	2951.8	2897.8	2885.8	2824.0	2714.7	2527.8
-42.5°	3126.3	3165.7	3183.5	3182.3	3183.5	3165.7	3126.3	3065.3	2859.8	2653.6	2388.1
-45°	2818.8	2976.4	3061.6	3078.2	3061.6	2976.4	2818.8	2603.3	2319.1	2023.0	1729.2
-47.5°	1923.8	2179.8	2330.0	2349.8	2330.0	2179.8	1923.8	1646.2	1388.6	1148.5	906.0
-50°	883.5	917.9	930.4	921.2	930.4	917.9	883.5	850.2	825.9	807.5	778.2
-52.5°	820.9	834.1	840.9	842.8	840.9	834.1	820.9	807.9	794.3	774.6	752.0
-55°	816.2	823.5	828.3	832.5	828.3	823.5	816.2	809.4	802.2	784.5	767.1
-57.5°	837.7	853.1	860.4	863.3	860.4	853.1	837.7	821.0	803.1	774.7	743.9
-60°	791.4	806.5	811.9	813.2	811.9	806.5	791.4	774.7	756.4	727.2	692.9
-62.5°	737.5	757.4	764.9	767.0	764.9	757.4	737.5	715.9	692.8	661.0	624.7
-65°	627.8	644.7	645.9	641.1	645.9	644.7	627.8	608.0	585.3	555.1	519.1
-67.5°	476.2	492.1	492.9	488.2	492.9	492.1	476.2	457.9	437.6	413.6	386.4
-70°	308.2	315.5	317.0	316.0	317.0	315.5	308.2	298.7	286.9	272.1	254.4
-72.5°	180.3	187.2	185.8	182.4	185.8	187.2	180.3	172.3	163.2	153.1	142.1
-75°	91.6	95.4	96.8	97.6	96.8	95.4	91.6	87.3	82.6	77.3	72.0
-77.5°	55.7	59.8	60.9	61.7	60.9	59.8	55.7	51.6	47.5	43.6	41.3
-80°	35.6	37.1	37.3	37.3	37.3	37.1	35.6	34.0	32.3	30.6	29.5
-82.5°	26.4	28.2	28.9	29.5	28.9	28.2	26.4	24.6	22.8	21.0	20.1
-85°	18.9	20.6	21.2	21.8	21.2	20.6	18.9	17.2	15.5	13.8	13.4
-87.5°	15.2	16.8	17.4	18.0	17.4	16.8	15.2	13.6	12.0	10.3	10.0
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	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°	10.3	9.6	9.0	8.7	8.4	8.0	7.7	7.7	7.7	7.7	7.7
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°	2.0	2.3	2.6	2.9	3.3	3.6	3.9	3.9	3.9	3.9	3.9
82.5°	2.0	2.3	2.6	3.0	3.3	3.6	3.9	4.0	4.1	4.1	4.1
80°	2.5	2.5	2.6	3.0	3.3	3.6	3.9	4.3	4.6	4.8	4.9
77.5°	3.1	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.9	5.1
75°	3.3	3.7	4.1	4.6	4.9	5.0	5.0	4.9	4.9	5.0	5.2
72.5°	5.2	5.3	5.7	6.3	6.5	6.9	7.0	6.7	6.2	5.6	5.3
70°	8.2	8.7	9.9	11.6	12.8	13.4	13.2	11.9	9.7	8.3	7.2
67.5°	10.5	11.5	13.5	15.8	17.5	19.0	20.7	21.5	20.6	18.1	12.5
65°	11.2	12.4	13.9	15.6	17.8	20.7	26.1	29.1	29.9	28.6	21.8
62.5°	9.5	11.2	12.2	13.4	15.1	18.7	26.2	32.0	36.6	36.4	28.4
60°	6.9	7.7	8.7	9.9	11.3	15.4	22.5	30.7	40.1	37.5	31.5
57.5°	6.3	6.7	7.2	7.5	7.7	11.1	17.1	24.9	33.7	33.3	30.5
55°	7.4	7.9	8.0	7.9	7.8	9.2	11.9	17.2	24.0	25.4	24.4
52.5°	7.7	8.4	9.1	9.9	9.7	9.3	9.5	12.6	15.5	18.0	18.7
50°	8.9	9.3	9.7	10.1	10.7	10.5	10.1	10.3	12.2	13.9	14.6
47.5°	11.8	12.3	11.5	11.5	12.6	12.3	11.7	11.6	13.0	12.7	13.4
45°	20.4	19.4	17.7	17.9	17.6	17.3	15.4	16.2	16.7	16.3	14.0
42.5°	41.4	34.0	28.8	30.2	28.4	26.5	23.7	23.2	22.7	21.6	20.4
40°	64.9	62.7	56.9	52.5	48.4	41.0	35.7	31.9	30.4	28.5	28.4
37.5°	92.7	95.8	98.4	96.4	84.3	68.6	54.4	43.7	39.1	40.7	38.6
35°	130.2	135.5	149.6	144.9	137.3	122.8	89.5	64.2	56.2	60.3	53.1
32.5°	185.7	217.2	231.4	219.8	214.1	201.5	158.6	104.5	100.7	93.8	78.4
30°	374.3	356.3	358.5	366.8	363.0	311.4	251.5	260.6	208.8	141.1	112.7
27.5°	581.6	532.4	524.6	627.8	586.5	495.3	481.7	527.4	381.9	253.4	166.3
25°	859.7	830.9	799.8	909.1	933.4	774.1	762.8	804.0	698.6	410.4	234.3
22.5°	1155.7	1129.2	1115.8	1164.4	1198.3	1067.4	1021.1	1074.1	1045.6	602.9	359.6
20°	1463.3	1378.9	1352.6	1349.8	1320.8	1257.3	1227.3	1265.0	1139.4	816.8	489.6
17.5°	1852.8	1656.7	1560.0	1505.9	1455.8	1379.3	1425.8	1408.8	1260.8	983.5	613.2
15°	2515.2	2057.2	1859.5	1709.2	1640.8	1685.8	1714.4	1617.0	1404.2	1099.1	780.3
12.5°	4719.9	2566.9	2214.8	1986.6	1928.8	1990.9	2028.8	1878.0	1596.9	1351.5	1056.4
10°	7518.8	3705.2	2644.1	2346.3	2223.7	2262.4	2279.4	2107.4	1861.1	1644.6	1353.7
7.5°	12291.2	5411.1	3064.4	2658.8	2458.0	2424.9	2432.8	2272.7	2087.3	1910.9	1661.7
5°	16019.0	6504.8	3364.9	2885.0	2641.5	2588.3	2600.3	2398.7	2283.4	2155.4	1967.7
2.5°	16855.9	6747.4	3600.2	3084.8	2807.2	2752.5	2780.1	2541.5	2449.5	2327.8	2166.9
0°	18590.1	7542.7	3775.8	3211.8	2934.3	2904.8	2961.3	2713.4	2602.9	2480.8	2335.6
-2.5°	16140.2	6494.2	3706.2	3166.2	2909.6	2880.2	2976.1	2822.5	2657.6	2494.8	2278.1
-5°	13693.3	5924.9	3606.9	3092.7	2867.9	2876.2	3001.1	2915.4	2713.9	2511.5	2178.9
-7.5°	11171.6	5150.6	3449.4	2995.2	2828.9	2900.0	3047.7	2992.8	2795.2	2611.7	2214.1
-10°	7391.7	4200.6	3250.6	2922.1	2849.1	2965.3	3124.0	3057.2	2879.8	2708.3	2197.8
-12.5°	5810.0	3564.7	3049.9	2869.5	2970.4	3144.9	3218.2	3088.9	2972.4	2804.8	2124.3
-15°	4063.4	3293.0	2974.6	2962.8	3163.6	3289.6	3261.9	3044.6	2929.7	2822.2	1990.0
-17.5°	3413.2	3052.8	2864.1	2957.5	3187.9	3333.6	3202.5	2971.9	2789.4	2531.3	1651.0
-20°	2994.5	2816.1	2805.9	2903.8	3042.1	3071.9	3029.1	2828.0	2587.5	2066.9	1325.1



REPORT NUMBER: P731475 (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°	2709.4	2670.6	2720.1	2829.9	2727.5	2735.3	2707.7	2573.8	2327.8	1582.2	1022.8
-25°	2533.2	2564.4	2683.9	2656.8	2485.5	2422.2	2433.9	2291.8	1837.4	1183.8	778.4
-27.5°	2458.9	2559.9	2640.2	2564.6	2390.8	2251.6	2172.5	1978.6	1364.8	929.1	709.2
-30°	2465.1	2563.4	2576.1	2462.4	2304.1	2158.2	1953.9	1491.5	1046.4	730.6	655.4
-32.5°	2518.1	2518.9	2463.1	2325.4	2196.1	2045.5	1605.9	1093.5	774.1	677.7	623.5
-35°	2506.0	2405.2	2273.7	2184.8	2112.8	1721.9	1248.1	839.7	682.9	634.2	597.4
-37.5°	2412.2	2224.2	2127.9	2023.3	1732.1	1335.9	895.4	709.9	644.2	607.1	578.2
-40°	2346.2	2150.9	1859.0	1618.8	1262.5	866.4	734.3	668.2	623.0	584.7	561.7
-42.5°	2042.2	1736.1	1415.6	1073.0	799.0	740.9	686.0	640.9	604.7	574.4	524.8
-45°	1416.1	1104.2	832.8	778.9	725.0	686.4	651.2	622.9	596.5	543.5	482.3
-47.5°	836.3	791.3	743.8	707.9	677.1	650.3	637.4	615.4	559.8	502.5	441.3
-50°	748.7	727.2	699.4	670.4	659.2	647.6	615.2	568.7	515.6	459.7	400.6
-52.5°	727.8	713.6	697.4	678.6	645.9	610.2	568.5	522.0	471.5	416.3	359.8
-55°	749.7	718.4	682.3	644.6	604.4	563.3	520.3	473.8	424.2	371.1	320.1
-57.5°	711.9	676.3	636.2	595.2	553.4	508.9	463.5	418.6	374.7	326.6	280.1
-60°	655.8	616.5	577.0	534.1	487.7	442.8	404.1	364.2	323.1	284.7	245.7
-62.5°	588.7	553.2	508.4	462.0	420.1	383.1	346.3	310.5	278.2	244.9	199.6
-65°	482.2	444.7	408.8	375.5	344.0	314.4	283.5	250.3	215.7	181.8	143.7
-67.5°	359.1	332.1	306.9	281.9	254.9	227.5	197.9	168.9	144.4	121.0	93.3
-70°	234.8	213.6	192.4	171.8	154.5	138.6	120.7	101.5	81.7	68.6	57.2
-72.5°	130.0	117.0	104.4	92.7	79.9	72.2	65.3	57.6	49.5	41.0	34.3
-75°	66.4	60.5	55.1	50.8	45.8	40.4	37.2	35.1	33.0	30.9	28.5
-77.5°	39.1	36.8	34.8	33.5	32.1	30.6	29.1	27.5	25.9	24.3	22.5
-80°	28.2	26.9	25.6	24.7	23.7	22.7	21.7	20.4	19.1	18.0	17.0
-82.5°	19.2	18.3	17.5	17.1	16.7	16.2	15.7	15.1	14.5	13.9	13.4
-85°	13.0	12.5	12.1	11.9	11.8	11.6	11.4	11.2	11.0	10.8	10.6
-87.5°	9.7	9.3	9.0	9.0	8.9	8.8	8.8	8.7	8.7	8.7	8.6
-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°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.4	7.1	6.7
87.5°	4.2	4.5	4.8	5.1	5.1	5.1	5.1	5.1	5.4	5.8	6.1
85°	4.2	4.5	4.8	5.1	5.1	5.1	5.1	5.1	5.4	5.8	6.1
82.5°	4.2	4.5	4.8	5.1	5.3	5.4	5.5	5.5	5.6	5.8	6.1
80°	4.8	4.9	5.0	5.2	5.5	5.8	6.0	6.0	6.0	6.0	6.2
77.5°	5.3	5.2	5.1	5.2	5.5	5.8	6.1	6.4	6.3	6.2	6.3
75°	5.6	5.7	5.8	5.7	5.7	5.9	6.2	6.4	6.4	6.4	6.3
72.5°	5.6	5.9	6.2	6.4	6.2	6.1	6.3	6.4	6.4	6.4	6.4
70°	6.4	6.1	6.3	6.4	6.4	6.4	6.3	6.5	6.4	6.4	6.4
67.5°	7.8	6.8	6.4	6.4	6.4	6.4	6.4	6.6	6.6	6.4	6.4
65°	15.2	10.0	6.4	6.4	6.4	6.4	6.4	6.7	6.8	6.7	6.4
62.5°	21.3	15.2	10.3	7.3	6.4	6.4	6.4	6.7	7.0	7.0	6.6
60°	25.9	18.8	14.1	10.6	7.7	6.4	6.5	6.8	7.1	7.3	7.0
57.5°	25.0	20.9	17.3	13.5	10.1	7.4	6.6	6.9	7.1	7.4	7.3
55°	22.0	18.9	19.1	16.1	12.3	9.1	7.1	6.9	7.2	7.5	7.7
52.5°	17.1	17.8	19.2	18.0	14.4	10.7	8.4	7.0	7.3	7.6	7.7
50°	13.8	16.4	19.2	19.4	16.4	12.6	9.6	7.9	7.4	7.6	7.7
47.5°	14.1	16.4	18.4	20.7	18.7	14.2	10.9	8.7	7.4	7.7	7.7
45°	16.3	18.1	18.9	20.4	20.8	15.8	12.1	9.3	8.0	7.7	7.7
42.5°	19.4	20.9	21.4	20.4	20.7	17.2	13.1	10.2	8.4	7.8	7.7
40°	26.6	24.5	24.6	24.2	21.1	18.3	14.0	10.9	8.8	8.0	7.9
37.5°	35.0	30.8	28.5	30.8	23.7	19.3	14.7	11.5	9.3	8.4	8.0
35°	45.9	39.4	37.4	39.6	32.1	21.0	15.0	11.9	10.3	8.8	8.1
32.5°	58.2	57.2	56.8	49.5	42.8	23.4	16.2	13.3	11.4	9.1	8.3
30°	87.8	88.6	83.9	61.0	54.7	33.2	19.1	15.0	12.6	9.5	8.5
27.5°	137.5	125.6	117.3	84.9	65.7	45.2	23.0	16.9	14.0	10.1	8.8
25°	190.9	170.4	153.2	117.2	77.8	60.8	26.9	19.2	15.5	11.1	9.1
22.5°	253.8	216.4	193.0	153.9	97.3	78.2	35.2	22.5	17.2	12.2	9.3
20°	316.5	262.1	236.3	188.8	125.8	94.4	48.7	25.7	19.1	13.3	9.6
17.5°	386.9	320.0	283.3	223.9	157.0	112.3	62.8	28.8	20.9	14.5	9.8
15°	526.0	392.5	334.6	262.7	185.8	131.6	77.3	31.8	22.9	15.6	10.1
12.5°	694.2	464.9	389.6	304.0	212.2	151.8	91.8	34.5	24.8	16.8	10.6
10°	879.3	536.5	447.0	346.8	236.3	172.4	106.1	38.6	27.2	18.0	11.0
7.5°	1072.6	606.6	505.3	389.6	263.1	204.1	140.6	45.9	29.5	19.1	11.5
5°	1260.7	673.6	568.8	453.2	314.7	246.5	179.6	53.4	31.8	20.1	12.0
2.5°	1419.5	735.3	632.1	516.6	365.1	287.2	218.1	60.9	34.0	21.0	12.4
0°	1555.8	792.7	691.2	575.6	413.7	326.3	254.4	68.1	36.0	21.8	12.8
-2.5°	1449.6	796.3	697.9	598.1	450.1	357.9	274.7	86.3	46.7	27.6	15.4
-5°	1325.3	796.5	702.7	617.1	483.8	387.1	290.5	103.3	56.9	33.0	17.9
-7.5°	1318.6	799.7	708.4	632.6	514.6	413.0	301.8	118.9	66.4	38.1	20.2
-10°	1302.1	803.2	715.3	635.7	520.8	422.8	306.7	132.5	74.8	42.5	22.2
-12.5°	1235.5	802.9	721.0	634.7	519.1	418.1	297.2	143.2	82.2	46.3	23.9
-15°	1111.8	798.8	725.8	629.3	512.9	411.3	286.1	151.6	90.1	50.4	25.1
-17.5°	916.2	790.8	730.1	619.4	501.9	402.5	274.2	158.0	96.6	55.0	27.0
-20°	828.2	764.3	730.6	605.0	485.8	391.7	262.3	162.1	101.6	58.5	29.2



REPORT NUMBER: P731475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	771.1	724.4	682.2	585.5	467.6	379.2	250.8	164.0	105.1	60.8	30.5
-25°	709.5	682.7	632.7	544.8	450.8	360.1	245.5	163.5	106.9	61.7	31.0
-27.5°	658.4	637.5	590.0	505.5	425.7	343.6	243.7	164.9	107.4	61.2	30.6
-30°	610.6	593.6	547.5	469.9	399.2	318.4	238.8	164.3	106.7	60.3	29.1
-32.5°	582.8	560.0	506.9	439.4	370.0	292.3	224.4	161.3	103.9	58.6	28.4
-35°	568.1	527.8	469.9	407.8	339.6	270.0	206.5	156.1	99.1	55.5	27.5
-37.5°	551.3	494.1	434.7	374.9	309.0	246.7	190.7	142.3	92.1	50.8	26.0
-40°	513.3	457.8	399.9	341.5	281.3	222.4	173.4	127.4	84.9	44.7	23.7
-42.5°	473.4	418.5	363.8	308.0	253.9	201.8	154.8	111.5	73.8	40.0	20.8
-45°	429.3	378.0	326.7	276.8	226.2	179.6	136.0	95.0	61.5	35.8	18.5
-47.5°	384.3	337.5	291.2	245.1	200.3	156.5	116.1	80.5	48.6	30.6	17.9
-50°	341.0	298.4	256.8	215.7	173.7	133.4	96.2	65.2	41.2	24.1	17.1
-52.5°	305.5	261.7	224.8	187.1	147.3	109.1	78.4	50.0	33.4	21.0	16.1
-55°	270.5	228.2	194.6	157.0	119.6	87.8	59.8	40.8	25.2	19.4	15.0
-57.5°	238.8	197.9	160.7	124.8	93.9	66.6	46.1	31.2	21.8	17.7	14.3
-60°	204.8	160.5	123.6	95.4	69.4	49.2	35.0	23.8	19.9	16.1	13.4
-62.5°	157.5	120.1	91.5	67.2	49.8	36.4	25.1	21.5	17.9	15.1	12.6
-65°	112.2	84.0	60.4	47.6	35.2	25.9	22.6	19.2	16.5	14.1	11.7
-67.5°	68.2	54.9	42.3	31.0	26.2	23.1	20.0	17.6	15.3	13.0	11.1
-70°	45.5	34.4	28.7	25.8	23.1	20.3	18.2	16.2	14.0	12.1	10.4
-72.5°	31.0	27.9	25.0	22.5	20.2	18.1	16.4	14.7	12.9	11.2	9.7
-75°	25.9	23.4	21.2	19.1	17.4	15.8	14.6	13.3	11.7	10.2	9.2
-77.5°	20.6	18.8	17.1	15.9	14.8	13.7	12.8	11.8	10.6	9.6	8.7
-80°	16.0	15.0	14.0	13.0	12.3	11.6	11.1	10.7	9.8	9.0	8.3
-82.5°	12.6	11.9	11.2	10.5	10.2	10.0	9.8	9.7	9.0	8.4	7.9
-85°	10.0	9.4	8.9	8.3	8.3	8.4	8.6	8.8	8.4	7.9	7.5
-87.5°	8.4	8.1	7.9	7.7	7.9	8.0	8.2	8.2	7.9	7.5	7.1
-90°	4.2	4.5	4.8	5.1	5.1	5.1	5.1	5.1	5.4	5.8	6.1



REPORT NUMBER: P731475 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.4	6.4	6.4	6.4	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	6.4	6.4	6.4	6.4	6.4	6.4
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	6.5	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	6.6	6.5	6.4	6.4	6.4	6.4	6.4
60°	6.6	6.7	6.4	6.4	6.4	6.4	6.4
57.5°	6.9	6.8	6.5	6.4	6.4	6.4	6.4
55°	7.1	6.9	6.7	6.4	6.4	6.4	6.4
52.5°	7.4	7.1	6.8	6.4	6.4	6.4	6.4
50°	7.6	7.2	6.9	6.4	6.4	6.4	6.4
47.5°	7.7	7.3	7.1	6.4	6.4	6.4	6.4
45°	7.7	7.5	7.2	6.5	6.4	6.4	6.4
42.5°	7.7	7.6	7.4	6.7	6.4	6.4	6.4
40°	7.7	7.6	7.5	6.8	6.4	6.4	6.4
37.5°	7.7	7.7	7.6	6.9	6.4	6.4	6.4
35°	7.7	7.7	7.6	7.0	6.4	6.4	6.4
32.5°	7.7	7.7	7.7	7.1	6.4	6.4	6.4
30°	7.9	7.7	7.7	7.2	6.4	6.4	6.4
27.5°	8.0	7.7	7.7	7.3	6.4	6.4	6.4
25°	8.2	7.7	7.7	7.3	6.4	6.4	6.4
22.5°	8.3	7.7	7.7	7.4	6.4	6.4	6.4
20°	8.5	7.8	7.7	7.5	6.4	6.4	6.4
17.5°	8.7	7.9	7.7	7.5	6.4	6.4	6.4
15°	9.0	8.1	7.7	7.6	6.4	6.4	6.4
12.5°	9.2	8.2	7.7	7.6	6.4	6.4	6.4
10°	9.5	8.4	7.7	7.6	6.4	6.4	6.4
7.5°	9.7	8.5	7.7	7.7	6.4	6.4	6.4
5°	9.9	8.7	7.7	7.7	6.4	6.4	6.4
2.5°	10.1	8.9	7.7	7.7	6.4	6.4	6.4
0°	10.3	9.0	7.7	7.7	6.4	6.4	6.4
-2.5°	11.0	9.1	7.8	7.7	6.5	6.4	6.4
-5°	11.6	9.3	7.9	7.7	6.5	6.4	6.4
-7.5°	12.2	9.4	8.0	7.7	6.6	6.4	6.4
-10°	12.7	9.5	8.1	7.7	6.6	6.4	6.4
-12.5°	13.1	9.6	8.2	7.6	6.7	6.4	6.4
-15°	13.4	9.6	8.3	7.6	6.7	6.4	6.4
-17.5°	13.6	9.7	8.3	7.6	6.8	6.4	6.4
-20°	14.1	9.7	8.4	7.6	6.8	6.4	6.4



REPORT NUMBER: P731475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.9	9.8	8.4	7.6	6.8	6.4	6.4
-25°	15.4	10.0	8.4	7.6	6.8	6.4	6.4
-27.5°	15.5	10.3	8.4	7.6	6.9	6.4	6.4
-30°	15.2	10.5	8.3	7.6	6.9	6.4	6.4
-32.5°	14.5	10.6	8.4	7.6	6.9	6.4	6.4
-35°	14.3	10.6	8.4	7.6	6.9	6.4	6.4
-37.5°	14.3	10.6	8.4	7.6	6.9	6.4	6.4
-40°	14.2	10.6	8.4	7.7	6.8	6.4	6.4
-42.5°	14.0	10.5	8.4	7.7	6.8	6.4	6.4
-45°	13.6	10.4	8.4	7.8	6.8	6.4	6.4
-47.5°	13.1	10.2	8.4	7.8	6.7	6.4	6.4
-50°	12.7	10.0	8.4	7.7	6.7	6.4	6.4
-52.5°	12.3	9.7	8.4	7.6	6.6	6.4	6.4
-55°	11.9	9.6	8.4	7.5	6.6	6.4	6.4
-57.5°	11.4	9.4	8.3	7.4	6.5	6.4	6.4
-60°	10.8	9.2	8.2	7.2	6.4	6.4	6.4
-62.5°	10.4	9.0	8.0	7.1	6.4	6.4	6.4
-65°	10.0	8.7	7.8	7.0	6.4	6.4	6.4
-67.5°	9.5	8.4	7.6	6.8	6.4	6.4	6.4
-70°	9.0	8.2	7.4	6.7	6.4	6.4	6.4
-72.5°	8.6	7.9	7.2	6.7	6.4	6.4	6.4
-75°	8.3	7.7	7.0	6.6	6.4	6.4	6.4
-77.5°	8.0	7.4	6.9	6.6	6.4	6.4	6.4
-80°	7.7	7.2	6.8	6.6	6.4	6.4	6.4
-82.5°	7.4	7.0	6.7	6.5	6.4	6.4	6.4
-85°	7.1	6.8	6.6	6.5	6.4	6.4	6.4
-87.5°	6.7	6.6	6.5	6.4	6.4	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

