

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: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-1S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731570 (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: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-1S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

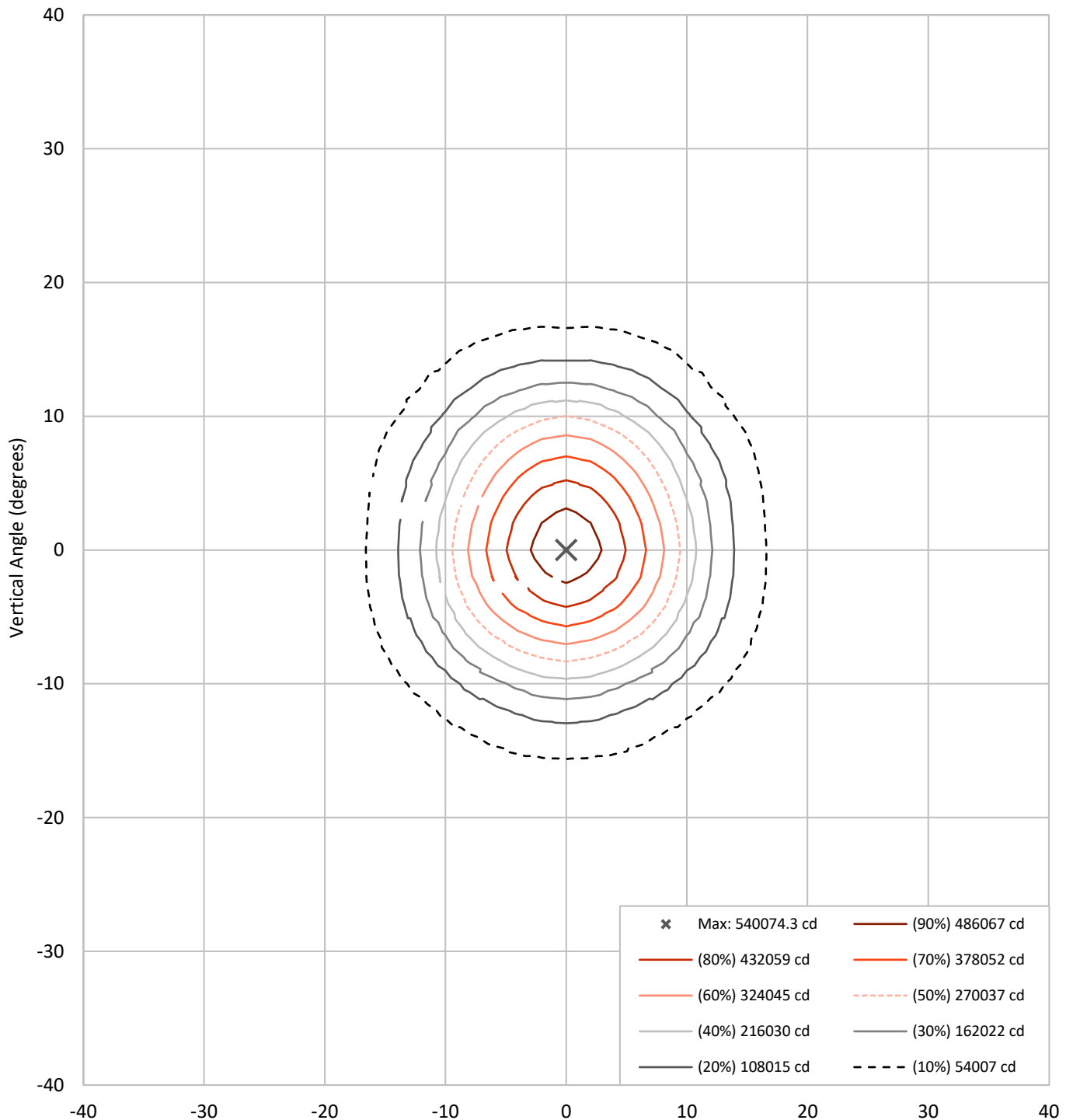
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	65052.8 lumens	Max Intensity:	540074.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.7 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:	30351.7 lumens	Field Lumens:	55127 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-57-80-1S-CV1

Iso-Candela Plot





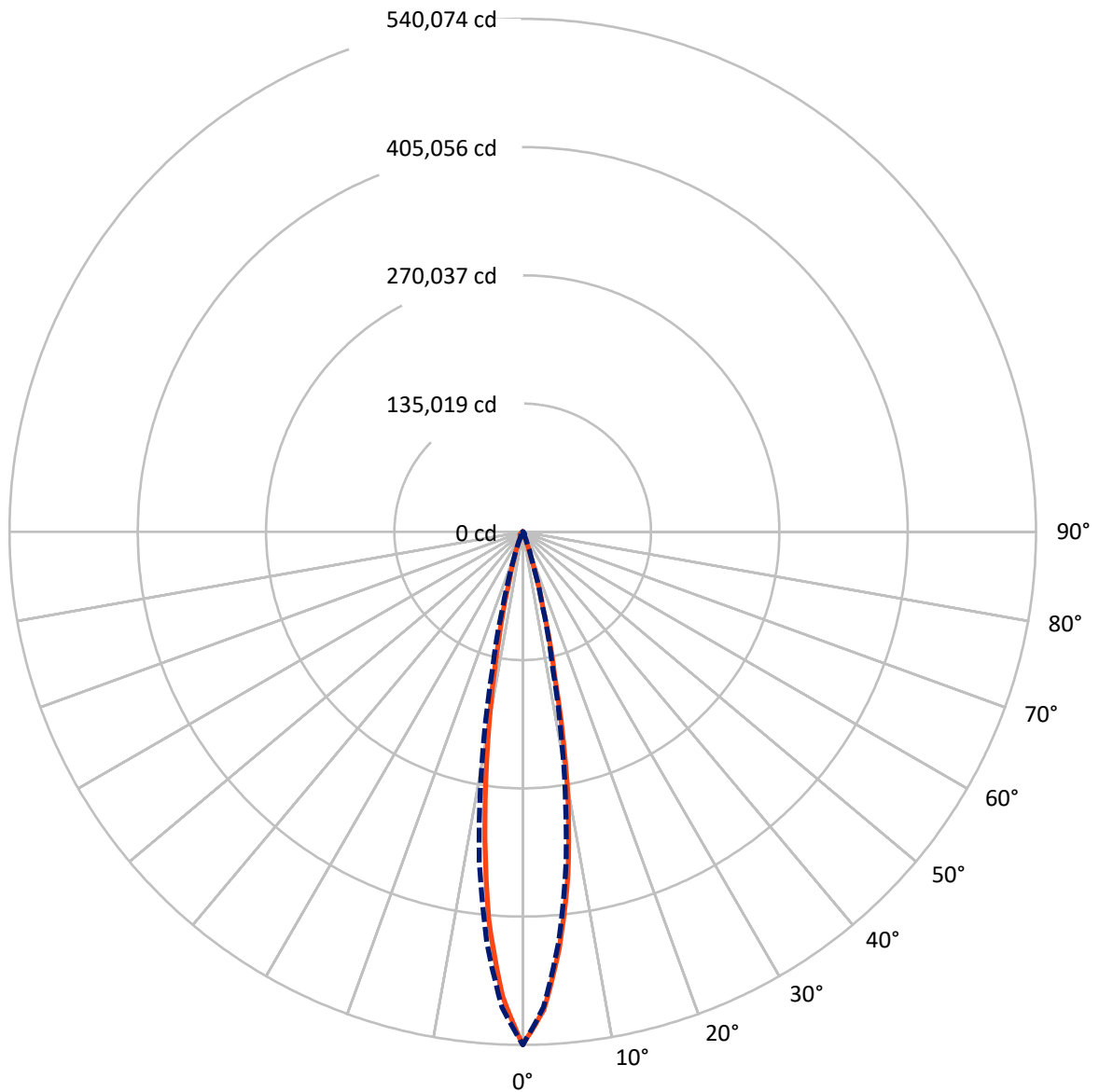
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Lumen Table

90	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1									
80	0.1	0.2	0.4	0.4	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	5.2	7.4	9.1	9.1	7.4	5.2	3.6	1.8	0.8	0.2				
30	0.2	0.5	3.6	11.2	26.5	36.1	57.7	103.1	103.1	57.7	36.1	26.5	11.2	3.6	0.5	0.2			
20		1.1	7.6	32.5	65.3	86.6	632.7	2549.7	2549.7	632.7	86.6	65.3	32.5	7.6	1.1				
10	0.3	1.8	9.7	43.8	72.7	159.0	2370.4	10236.6	10236.6	2370.4	159.0	72.7	43.8	9.7	1.8	0.3			
0		2.2	10.3	43.0	72.6	154.3	2267.7	9482.8	9482.8	2267.7	154.3	72.6	43.0	10.3	2.2				
-10	0.5	2.6	9.8	34.4	66.9	84.5	505.0	1893.3	1893.3	505.0	84.5	66.9	34.4	9.8	2.6	0.5			
-20		2.6	9.6	23.9	66.3	83.1	94.1	162.5	162.5	94.1	83.1	66.3	23.9	9.6	2.6				
-30	0.4	2.3	8.7	16.8	47.1	97.5	114.1	117.7	117.7	114.1	97.5	47.1	16.8	8.7	2.3	0.4			
-40		1.6	6.6	14.9	24.9	44.8	81.3	110.3	110.3	81.3	44.8	24.9	14.9	6.6	1.6				
-50	0.3	0.8	3.9	10.0	19.1	27.7	34.9	39.3	39.3	34.9	27.7	19.1	10.0	3.9	0.8	0.3			
-60		0.4	1.3	3.9	8.2	13.4	18.5	21.6	21.6	18.5	13.4	8.2	3.9	1.3	0.4				
-70	0.2	1.1	2.9	6.8	9.2	6.8	2.9	1.1	0.2							0.2			
-80		1.1	2.9	6.8	9.2	6.8	2.9	1.1	0.2										
-90	0.2	1.1	2.9	6.8	9.2	6.8	2.9	1.1	0.2							0.2			

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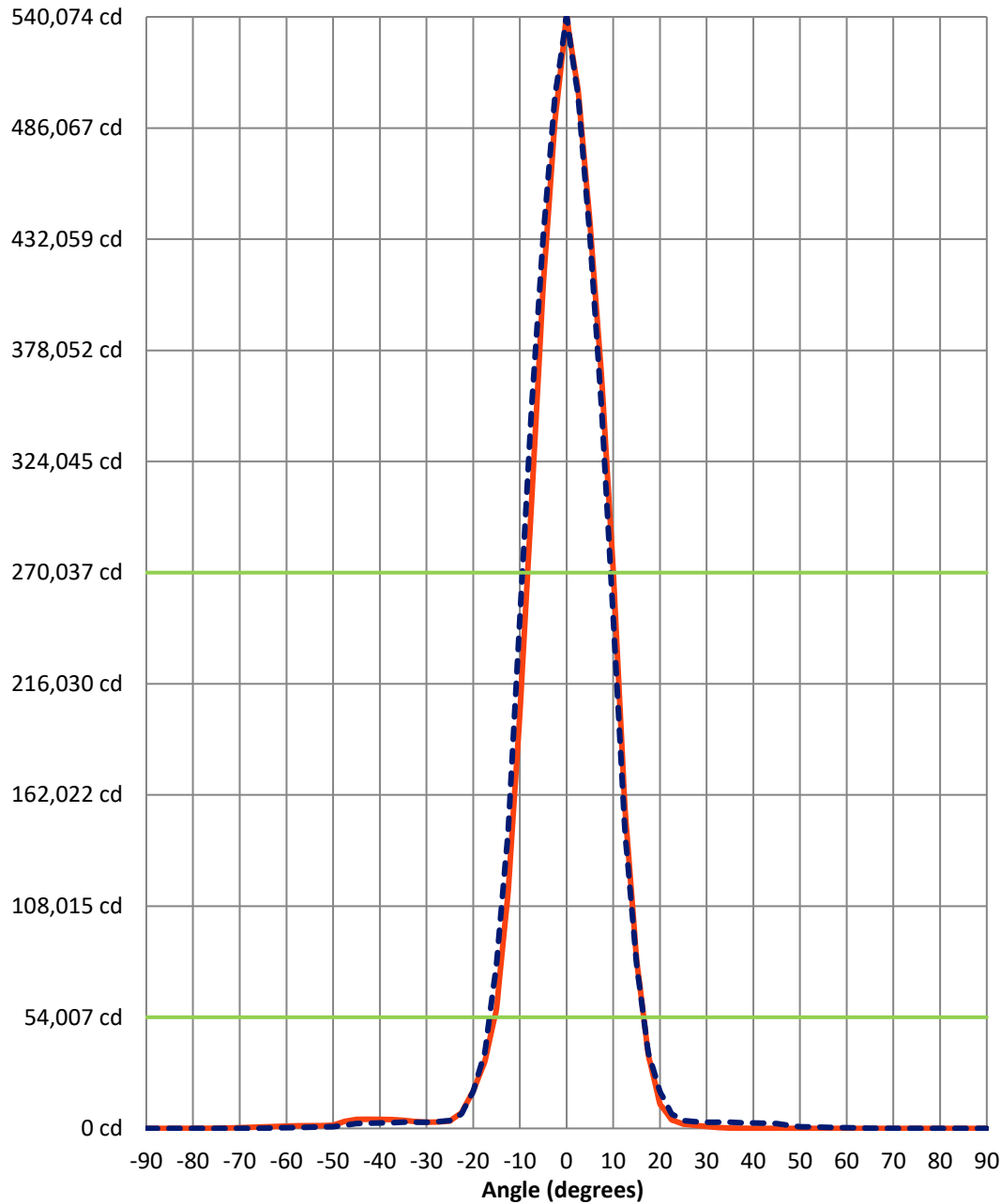
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 18.9°
V Angle: 18.3°
Lumens: 30351.7
Efficiency: 46.7%

Field:
H Angle: 33°
V Angle: 31.9°
Lumens: 55127
Efficiency: 84.7%

Spill:
Lumens: 9925.7
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	7.2	7.8	8.5	9.1
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	6.2	5.9
57.5°	3.9	4.3	4.2	4.7	5.3	5.6	5.8	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	6.9	6.9	7.1
52.5°	3.9	4.4	4.4	5.0	5.6	5.9	6.4	6.9	7.3	7.5	7.7
50°	3.9	4.4	4.6	5.1	5.7	6.2	6.7	7.4	7.8	8.0	8.9
47.5°	3.9	4.5	4.7	5.2	5.9	6.4	7.0	7.8	8.2	8.6	10.0
45°	3.9	4.5	4.8	5.3	6.0	6.7	7.5	8.3	8.7	9.5	11.1
42.5°	3.9	4.5	4.9	5.5	6.2	6.9	7.9	8.7	9.2	10.4	13.2
40°	3.9	4.6	5.1	5.6	6.4	7.2	8.3	9.1	9.8	11.3	15.2
37.5°	3.9	4.6	5.2	5.8	6.6	7.4	8.8	9.6	10.6	12.5	17.1
35°	3.9	4.7	5.3	6.0	6.8	7.7	9.2	9.9	11.5	14.3	18.6
32.5°	3.9	4.7	5.4	6.1	6.9	8.1	9.6	10.3	12.3	16.1	20.2
30°	3.9	4.7	5.5	6.3	7.1	8.4	10.0	10.8	13.2	17.8	22.1
27.5°	3.9	4.8	5.6	6.5	7.3	8.8	10.3	11.5	14.2	19.4	24.3
25°	3.9	4.8	5.7	6.6	7.5	9.1	10.6	12.2	15.6	21.1	26.7
22.5°	3.9	4.9	5.8	6.8	7.7	9.4	10.9	12.9	16.9	23.0	30.5
20°	3.9	4.9	5.9	6.9	7.9	9.7	11.2	13.5	18.0	24.9	34.5
17.5°	3.9	5.0	6.0	7.0	8.1	9.9	11.4	14.2	19.1	27.0	38.8
15°	3.9	5.0	6.1	7.2	8.2	10.0	11.6	14.7	20.1	29.1	43.2
12.5°	3.9	5.0	6.2	7.3	8.4	10.2	11.9	15.2	21.0	31.1	47.7
10°	3.9	5.1	6.2	7.4	8.6	10.3	12.1	15.7	22.0	33.1	52.2
7.5°	3.9	5.1	6.3	7.5	8.7	10.3	12.4	16.0	22.8	34.8	56.5
5°	3.9	5.1	6.4	7.6	8.9	10.4	12.6	16.4	23.5	36.5	60.6
2.5°	3.9	5.2	6.4	7.7	9.0	10.4	12.8	16.7	24.2	37.9	64.4
0°	3.9	5.2	6.5	7.8	9.1	10.4	13.0	16.9	24.7	39.1	67.7
-2.5°	3.9	5.2	6.6	7.9	9.3	11.0	14.2	20.2	31.7	51.6	87.1
-5°	3.9	5.3	6.6	8.0	9.5	11.5	15.3	23.3	38.5	63.6	105.5
-7.5°	3.9	5.3	6.6	8.0	9.7	12.0	16.4	26.2	44.7	74.7	122.6
-10°	3.9	5.3	6.7	8.1	9.9	12.5	17.4	28.8	50.3	84.8	138.0
-12.5°	3.9	5.3	6.7	8.1	10.1	12.9	18.3	31.0	55.1	93.6	150.9
-15°	3.9	5.3	6.7	8.2	10.2	13.3	19.0	32.7	59.8	101.5	161.4
-17.5°	3.9	5.3	6.8	8.2	10.3	13.6	19.6	34.8	64.2	108.0	169.6
-20°	3.9	5.3	6.8	8.2	10.4	13.8	20.3	36.7	67.6	112.8	175.2



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-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	8.3	10.4	14.0	21.0	37.8	69.6	116.0	178.0
-25°	3.9	5.3	6.8	8.3	10.4	14.1	21.3	38.1	70.2	117.3	177.8
-27.5°	3.9	5.3	6.8	8.3	10.4	14.2	21.3	37.3	69.4	117.2	178.7
-30°	3.9	5.3	6.8	8.3	10.3	14.2	20.8	35.6	68.1	116.0	177.3
-32.5°	3.9	5.3	6.8	8.2	10.3	14.1	19.9	34.6	66.1	112.9	173.2
-35°	3.9	5.3	6.8	8.2	10.3	13.9	19.4	33.6	62.6	107.5	166.6
-37.5°	3.9	5.2	6.8	8.2	10.2	13.6	19.2	31.9	57.5	100.1	156.0
-40°	3.9	5.2	6.7	8.1	10.0	13.5	18.8	29.5	50.9	92.3	143.6
-42.5°	3.9	5.2	6.7	8.1	9.9	13.3	18.2	26.4	46.0	82.3	129.0
-45°	3.9	5.1	6.7	8.1	9.9	13.0	17.5	23.9	41.6	70.6	112.7
-47.5°	3.9	5.1	6.6	8.0	9.9	12.7	16.7	22.9	36.4	57.6	97.8
-50°	3.9	5.1	6.6	8.0	9.8	12.3	16.1	21.7	30.1	50.3	81.2
-52.5°	3.9	5.0	6.5	7.9	9.7	11.8	15.5	20.4	27.0	42.3	64.0
-55°	3.9	5.0	6.5	7.8	9.5	11.6	14.8	19.0	25.1	33.5	53.7
-57.5°	3.9	4.9	6.4	7.7	9.4	11.3	14.0	18.0	23.1	29.6	42.5
-60°	3.9	4.8	6.3	7.5	9.2	11.1	13.2	16.9	21.2	27.0	33.5
-62.5°	3.9	4.8	6.2	7.4	8.9	10.8	12.8	15.8	19.9	24.2	30.3
-65°	3.9	4.7	6.0	7.2	8.6	10.5	12.4	14.8	18.5	22.4	26.9
-67.5°	3.9	4.6	5.8	7.0	8.3	10.1	11.9	14.2	17.1	20.9	24.6
-70°	3.9	4.6	5.6	6.8	8.0	9.5	11.4	13.6	16.2	19.2	22.8
-72.5°	3.9	4.5	5.4	6.5	7.6	8.9	10.6	12.8	15.2	17.9	20.9
-75°	3.9	4.4	5.2	6.3	7.2	8.3	9.8	11.9	14.1	16.4	19.1
-77.5°	3.9	4.3	5.0	6.0	6.8	7.7	8.8	10.8	12.9	15.0	17.1
-80°	3.9	4.2	4.8	5.7	6.5	7.2	7.9	9.7	11.7	13.6	15.5
-82.5°	3.9	4.2	4.6	5.4	6.2	6.9	7.5	8.8	10.4	12.2	13.9
-85°	3.9	4.1	4.4	5.1	5.9	6.5	7.2	8.3	9.5	10.9	12.4
-87.5°	3.9	4.0	4.1	4.8	5.5	6.2	6.8	7.7	8.7	9.7	10.7
-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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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.1	9.1	9.1	9.1	9.4	9.8	10.1	10.4	10.7	11.1	11.4
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	9.5	11.1	13.5
67.5°	5.1	5.0	5.0	5.4	6.2	7.5	9.1	14.4	20.4	23.0	23.7
65°	5.2	5.2	5.7	6.6	7.7	11.8	17.6	24.7	31.4	32.1	30.9
62.5°	5.3	5.7	6.6	8.5	12.3	17.9	24.1	30.8	38.4	38.7	33.9
60°	5.8	6.4	8.4	12.1	16.6	21.6	28.4	33.8	40.1	43.0	32.8
57.5°	6.5	7.7	10.9	15.3	19.9	23.6	27.2	32.9	36.2	36.8	27.1
55°	7.5	9.2	13.4	18.4	21.8	20.9	23.9	27.1	28.4	26.4	18.8
52.5°	9.1	11.1	16.4	20.7	21.4	19.6	19.6	21.1	19.7	16.9	14.7
50°	10.5	14.4	19.2	21.9	21.3	18.7	15.8	15.5	15.0	14.0	12.7
47.5°	12.9	17.4	21.5	23.2	20.5	17.8	14.4	13.9	13.9	13.3	12.2
45°	15.5	19.8	24.1	22.5	20.0	17.3	16.0	14.3	14.3	14.4	15.2
42.5°	17.9	21.8	23.9	21.9	20.2	19.5	19.2	17.1	17.0	20.6	21.8
40°	19.6	23.5	23.9	23.6	21.8	23.6	24.2	24.3	25.4	29.2	31.0
37.5°	20.9	24.1	25.7	28.1	26.4	29.3	30.6	44.8	46.6	39.3	54.0
35°	22.0	25.3	31.9	39.0	41.3	36.7	55.4	74.9	81.7	77.3	93.9
32.5°	23.3	27.1	40.3	57.3	72.8	68.9	87.0	120.9	142.4	153.4	166.7
30°	25.7	35.0	53.6	80.7	120.7	144.7	146.1	181.9	221.7	292.2	355.9
27.5°	29.7	45.4	76.0	125.0	186.7	236.8	246.1	269.2	360.2	493.6	661.7
25°	34.4	70.5	101.7	185.2	276.0	332.5	348.8	388.2	546.0	852.1	1018.1
22.5°	47.1	104.0	145.3	255.3	376.3	425.0	459.2	602.5	887.3	1291.9	1416.6
20°	71.2	142.8	199.4	315.5	477.5	516.4	567.9	875.2	1331.8	1668.7	1838.0
17.5°	99.7	182.0	253.5	375.0	517.5	589.5	698.5	1187.4	1790.8	2032.8	2209.0
15°	131.5	221.2	300.4	427.3	552.9	638.1	903.1	1550.3	2179.1	2379.4	2551.8
12.5°	165.5	260.1	340.8	472.8	587.9	683.3	1089.4	1805.5	2365.8	2649.0	2871.1
10°	200.6	298.3	375.4	511.7	621.8	724.9	1263.8	2024.2	2460.2	2694.7	2939.8
7.5°	222.3	322.6	401.9	544.5	654.2	762.6	1421.9	2206.2	2525.2	2708.9	2890.6
5°	238.6	331.0	408.7	559.2	678.5	790.5	1540.9	2350.9	2566.5	2698.0	2804.7
2.5°	251.0	336.7	413.2	567.2	696.6	804.5	1552.2	2373.7	2553.9	2677.4	2751.0
0°	259.2	340.0	415.5	570.5	711.2	814.1	1529.3	2361.7	2525.8	2653.4	2739.4
-2.5°	268.3	349.9	434.3	580.6	712.5	814.5	1507.4	2338.2	2553.6	2725.0	2867.8
-5°	273.8	357.9	450.2	586.8	710.2	811.3	1458.3	2278.2	2550.2	2730.7	2905.7
-7.5°	276.4	364.0	462.7	588.6	700.0	795.7	1375.0	2135.0	2442.9	2611.8	2828.3
-10°	277.4	371.8	468.5	579.4	680.2	771.3	1263.9	1969.6	2332.0	2486.5	2714.2
-12.5°	280.0	381.2	472.1	570.2	660.1	744.4	1128.1	1788.4	2220.4	2356.3	2588.1
-15°	280.0	388.7	474.7	562.4	640.6	715.1	968.7	1596.7	2159.3	2380.1	2570.7
-17.5°	277.7	394.4	476.7	556.8	622.6	683.8	792.4	1425.7	2120.8	2431.5	2619.5
-20°	273.2	398.4	478.4	554.6	607.5	669.2	755.5	1235.0	1925.2	2454.9	2684.4



REPORT NUMBER: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	266.8	400.7	479.9	552.8	612.3	670.8	743.4	1018.8	1653.4	2451.9	2686.4
-25°	263.8	389.4	479.7	552.5	619.7	673.8	729.1	813.1	1361.2	2103.0	2615.2
-27.5°	262.6	376.5	471.4	547.1	626.3	678.5	726.5	794.6	1081.8	1685.2	2469.3
-30°	257.5	355.3	459.5	536.3	619.7	684.1	731.2	774.4	853.5	1325.1	1977.7
-32.5°	245.7	333.0	436.8	520.3	603.9	689.3	732.9	770.1	828.5	968.0	1498.0
-35°	231.9	315.4	409.9	500.0	581.8	671.6	730.2	769.2	807.5	875.0	1115.3
-37.5°	219.3	295.1	382.5	473.4	555.4	639.8	723.9	765.2	803.8	852.1	943.5
-40°	204.4	272.2	356.6	443.0	525.0	606.3	687.8	759.5	798.3	861.0	921.3
-42.5°	187.2	253.0	328.8	411.7	490.3	570.0	649.8	726.6	807.0	870.0	930.3
-45°	168.3	231.1	299.3	374.7	451.9	529.6	607.1	687.0	783.9	879.9	940.3
-47.5°	146.7	206.6	271.4	333.8	408.1	484.3	560.3	643.9	740.0	840.2	948.2
-50°	124.0	179.3	238.6	295.8	359.0	433.1	507.7	591.9	682.2	779.2	880.9
-52.5°	103.2	149.1	202.5	257.9	312.9	374.7	449.4	529.4	614.0	705.1	794.0
-55°	80.5	121.1	163.5	215.6	269.6	322.0	382.8	457.7	535.7	618.2	698.4
-57.5°	63.5	92.1	127.9	169.3	220.1	273.0	325.4	381.9	451.0	523.9	590.8
-60°	49.6	68.4	94.4	128.3	165.8	214.5	266.3	317.5	370.9	424.2	481.9
-62.5°	36.8	51.2	67.9	89.9	121.4	154.6	197.7	245.5	295.1	339.3	381.2
-65°	32.7	36.9	48.4	63.6	79.2	106.6	137.0	169.0	210.5	249.4	287.2
-67.5°	28.3	32.3	36.1	41.8	55.4	69.1	82.6	109.1	136.8	161.7	188.2
-70°	25.6	27.9	31.2	34.5	37.5	43.3	55.2	66.8	77.9	91.4	112.3
-72.5°	23.2	25.0	27.1	29.5	32.2	34.9	37.6	40.4	47.4	56.6	64.8
-75°	20.8	22.0	23.5	25.3	27.2	29.2	31.1	33.4	35.8	38.4	41.1
-77.5°	18.4	19.4	20.4	21.3	22.6	24.2	25.9	27.4	29.0	30.4	31.8
-80°	16.3	16.9	17.6	18.4	19.2	20.2	21.2	22.2	23.3	24.4	25.6
-82.5°	14.5	14.9	15.4	15.8	16.2	16.6	17.0	17.7	18.3	19.0	19.7
-85°	12.7	13.0	13.3	13.6	13.8	14.1	14.4	14.6	14.8	15.1	15.3
-87.5°	10.9	11.0	11.2	11.3	11.6	11.8	12.0	12.2	12.4	12.5	12.7
-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: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11.7	12.0	12.4	12.7	13.0	13.3	13.7	14.0	14.3	14.3	14.3
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	8.0	7.9	7.7	7.1	6.6	6.3	6.1	5.7	5.6	5.5
70°	14.7	14.9	14.3	13.0	11.0	9.7	9.2	8.5	7.8	7.7	8.1
67.5°	22.5	20.5	18.8	16.6	13.9	12.1	11.5	10.8	10.0	9.7	9.6
65°	27.7	21.8	18.6	16.4	15.1	13.6	12.1	10.7	9.3	8.4	8.1
62.5°	27.4	19.1	15.4	13.7	12.4	11.4	10.0	8.7	7.6	6.9	6.7
60°	23.8	15.9	11.8	10.7	9.8	9.1	8.3	7.5	6.9	6.5	6.5
57.5°	18.6	12.4	9.1	8.9	8.6	8.1	7.6	7.2	6.8	6.5	6.8
55°	13.5	10.9	9.2	9.0	8.7	8.2	7.7	7.6	7.5	7.3	7.9
52.5°	11.7	10.7	10.3	10.0	9.4	9.1	9.0	9.0	9.1	9.4	9.6
50°	11.5	11.1	10.8	10.3	10.3	10.3	10.3	10.7	11.1	11.2	11.2
47.5°	12.0	11.8	12.3	11.5	11.8	12.6	12.8	13.1	14.1	14.2	14.2
45°	14.1	16.0	16.5	16.4	16.0	20.9	21.9	20.0	27.5	26.4	20.6
42.5°	21.8	24.1	25.7	30.3	37.3	41.9	54.0	74.2	66.4	50.0	32.3
40°	37.4	36.8	43.8	52.5	57.7	67.1	82.0	101.3	93.5	79.4	84.8
37.5°	66.0	66.8	69.1	80.5	84.6	74.2	96.1	94.5	80.1	102.5	105.1
35°	121.0	133.9	113.7	138.4	144.3	135.4	143.4	158.7	137.3	166.0	175.2
32.5°	217.8	240.0	240.9	246.6	267.1	286.9	292.5	333.6	346.9	381.6	418.9
30°	347.8	388.8	423.7	433.1	460.5	509.4	549.7	628.9	713.7	777.5	861.2
27.5°	626.9	589.9	667.5	762.0	731.9	803.0	948.4	1062.7	1231.8	1353.5	1419.2
25°	1014.1	953.7	1095.2	1239.4	1239.7	1251.7	1462.2	1645.7	1784.0	1893.8	1990.1
22.5°	1470.9	1546.0	1672.9	1840.3	1753.0	1832.5	2041.4	2190.4	2384.3	2574.3	3143.4
20°	1982.9	2134.9	2239.3	2214.3	2210.5	2345.6	2529.4	2817.0	3403.3	5470.0	7443.5
17.5°	2434.0	2618.7	2609.5	2504.4	2554.2	2781.1	3114.7	4231.1	7192.8	13905.0	20186.8
15°	2783.8	2866.1	2811.9	2749.1	2860.5	3200.4	4034.7	7644.8	16632.2	27381.1	39650.1
12.5°	3017.5	2985.2	2843.1	2853.5	3118.1	3595.8	6431.2	14880.3	27875.8	43140.7	73987.2
10°	3107.9	3019.4	2895.1	3010.1	3371.2	4520.8	8649.9	20660.8	40308.3	72044.6	113621.7
7.5°	3046.3	2971.0	2935.9	3139.1	3619.8	5987.1	13445.9	29223.0	57778.4	98704.7	157214.2
5°	3006.6	2956.2	2963.8	3223.8	3776.9	7065.4	16835.4	34609.5	71668.6	124486.5	198923.3
2.5°	3004.2	2974.3	2987.5	3282.6	3865.4	7617.3	18744.9	35506.5	76547.8	138510.3	233051.0
0°	3036.4	3016.9	3005.2	3294.3	3823.2	7077.2	17984.0	36947.6	79895.1	144837.4	247877.6
-2.5°	3186.5	3026.5	3019.8	3293.7	3870.0	7478.8	18429.4	36449.9	78687.0	138989.7	231972.6
-5°	3150.5	2969.7	2940.9	3170.8	3708.8	6734.8	16134.3	33662.5	69118.3	118183.6	191199.8
-7.5°	3008.2	2887.4	2836.1	3019.1	3486.9	5652.8	12512.4	26576.9	52047.3	89082.4	137779.5
-10°	2892.4	2812.7	2736.8	2863.6	3219.1	4319.9	7976.5	17829.7	35403.1	60577.9	88465.8
-12.5°	2831.6	2793.8	2657.2	2692.5	2941.0	3429.3	5581.3	12051.7	22171.3	32894.5	53735.5
-15°	2788.5	2759.9	2631.8	2623.4	2762.1	3050.8	3676.8	6251.2	12398.3	20118.1	28390.6
-17.5°	2749.5	2739.1	2671.2	2597.6	2614.9	2782.2	3126.9	4041.1	6340.5	11247.5	16594.5
-20°	2768.3	2774.4	2722.6	2645.7	2618.2	2639.9	2818.9	3133.9	3716.4	5700.1	8122.5



REPORT NUMBER: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2762.4	2780.1	2766.2	2771.7	2738.6	2688.3	2652.9	2790.4	3010.8	3363.5	4259.5
-25°	2761.8	2786.1	2889.5	3022.0	3008.3	2888.1	2762.3	2653.3	2779.4	2931.8	3154.1
-27.5°	2720.9	2879.0	3136.6	3331.9	3387.9	3256.2	3080.2	2897.1	2876.9	2872.1	2957.6
-30°	2707.5	3047.2	3351.0	3629.5	3668.7	3602.3	3520.8	3390.3	3250.2	3172.6	3131.3
-32.5°	2298.9	3121.4	3493.0	3743.4	3805.4	3802.4	3820.8	3758.8	3715.1	3665.0	3594.2
-35°	1745.3	2608.5	3518.0	3633.5	3734.3	3824.3	3944.7	3975.5	3999.7	4027.4	4052.2
-37.5°	1218.8	1891.7	2647.4	3306.7	3516.1	3672.5	3885.8	4042.3	4172.4	4237.0	4314.5
-40°	1009.6	1195.6	1781.0	2338.3	2887.3	3393.7	3623.4	3890.0	4139.3	4277.8	4404.5
-42.5°	988.9	1055.1	1125.4	1514.1	1978.8	2456.7	2926.3	3352.0	3805.5	4107.9	4330.5
-45°	995.6	1029.0	1070.1	1138.3	1211.1	1575.8	1969.3	2371.0	2866.6	3350.8	3773.5
-47.5°	994.8	1025.3	1057.8	1090.8	1134.2	1202.2	1272.1	1385.8	1737.3	2108.9	2468.5
-50°	960.3	1022.3	1052.6	1083.5	1115.1	1148.7	1184.0	1233.9	1293.4	1349.1	1394.2
-52.5°	873.3	946.4	1016.6	1075.4	1104.4	1133.9	1165.2	1206.8	1245.9	1282.5	1301.5
-55°	774.9	847.7	918.8	982.0	1041.7	1099.1	1152.4	1190.5	1229.5	1269.1	1285.3
-57.5°	661.9	735.3	805.9	864.9	924.3	983.9	1039.1	1092.1	1145.0	1195.1	1223.1
-60°	541.6	602.9	666.1	726.5	784.4	839.4	890.8	941.0	989.1	1031.2	1057.7
-62.5°	423.4	471.7	525.0	577.4	628.2	677.3	724.8	770.0	812.6	848.6	873.6
-65°	324.1	360.1	396.9	434.7	473.3	515.6	555.4	593.1	628.3	657.5	679.3
-67.5°	220.2	251.3	281.0	309.0	337.3	367.2	397.4	425.9	452.4	473.9	490.8
-70°	132.4	151.8	170.7	190.9	213.6	235.3	256.6	276.9	295.7	310.4	321.5
-72.5°	72.2	79.2	88.5	104.0	118.3	131.6	143.7	154.7	164.5	172.7	179.4
-75°	43.9	47.5	53.2	58.7	63.9	69.1	73.9	78.3	82.3	85.7	88.5
-77.5°	33.6	35.5	37.4	39.1	40.7	42.4	44.1	45.7	47.2	48.5	49.7
-80°	26.8	27.9	29.0	30.0	30.9	32.0	33.1	34.2	35.2	35.9	36.6
-82.5°	20.4	21.5	22.5	23.4	24.2	24.8	25.4	26.0	26.6	27.1	27.7
-85°	15.5	16.2	17.0	17.7	18.5	18.8	18.9	19.1	19.2	19.6	20.0
-87.5°	12.8	13.1	13.5	13.8	14.2	14.5	14.9	15.2	15.6	15.9	16.2
-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: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.0
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	6.1
70°	8.5	8.9	9.1	9.1	9.1	8.9	8.5	8.1	7.7	7.8	8.5
67.5°	9.4	9.1	7.9	6.5	7.9	9.1	9.4	9.6	9.7	10.0	10.8
65°	8.0	7.9	7.2	6.5	7.2	7.9	8.0	8.1	8.4	9.3	10.7
62.5°	6.6	6.6	6.5	6.5	6.5	6.6	6.6	6.7	6.9	7.6	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°	7.2	7.6	7.8	7.8	7.8	7.6	7.2	6.8	6.5	6.8	7.2
55°	8.4	8.9	9.1	9.1	9.1	8.9	8.4	7.9	7.3	7.5	7.6
52.5°	9.5	9.2	9.6	10.4	9.6	9.2	9.5	9.6	9.4	9.1	9.0
50°	11.4	11.5	11.7	11.7	11.7	11.5	11.4	11.2	11.2	11.1	10.7
47.5°	14.4	14.3	14.2	14.3	14.2	14.3	14.4	14.2	14.2	14.1	13.1
45°	21.3	21.7	22.3	23.4	22.3	21.7	21.3	20.6	26.4	27.5	20.0
42.5°	33.8	34.5	34.9	35.2	34.9	34.5	33.8	32.3	50.0	66.4	74.2
40°	80.4	63.9	47.9	48.2	47.9	63.9	80.4	84.8	79.4	93.5	101.3
37.5°	92.4	84.0	80.7	79.5	80.7	84.0	92.4	105.1	102.5	80.1	94.5
35°	175.0	178.1	174.1	175.9	174.1	178.1	175.0	175.2	166.0	137.3	158.7
32.5°	430.8	448.3	442.1	444.2	442.1	448.3	430.8	418.9	381.6	346.9	333.6
30°	895.0	948.7	960.9	957.4	960.9	948.7	895.0	861.2	777.5	713.7	628.9
27.5°	1445.7	1488.3	1497.1	1488.9	1497.1	1488.3	1445.7	1419.2	1353.5	1231.8	1062.7
25°	2043.3	2083.9	2106.9	2095.9	2106.9	2083.9	2043.3	1990.1	1893.8	1784.0	1645.7
22.5°	3802.4	3987.1	4077.0	4199.7	4077.0	3987.1	3802.4	3143.4	2574.3	2384.3	2190.4
20°	11214.1	12488.8	12247.3	11984.1	12247.3	12488.8	11214.1	7443.5	5470.0	3403.3	2817.0
17.5°	27991.9	34259.6	37244.2	36029.3	37244.2	34259.6	27991.9	20186.8	13905.0	7192.8	4231.1
15°	57251.5	74763.9	85003.2	82269.8	85003.2	74763.9	57251.5	39650.1	27381.1	16632.2	7644.8
12.5°	103711.5	131543.9	152866.1	155918.2	152866.1	131543.9	103711.5	73987.2	43140.7	27875.8	14880.3
10°	163102.7	214534.3	256919.4	270758.1	256919.4	214534.3	163102.7	113621.7	72044.6	40308.3	20660.8
7.5°	233894.0	302551.8	351433.7	365020.6	351433.7	302551.8	233894.0	157214.2	98704.7	57778.4	29223.0
5°	290669.7	369685.5	423816.5	440443.1	423816.5	369685.5	290669.7	198923.3	124486.5	71668.6	34609.5
2.5°	333196.3	416076.6	476438.5	504019.7	476438.5	416076.6	333196.3	233051.0	138510.3	76547.8	35506.5
0°	349670.4	433190.1	500877.0	540074.3	500877.0	433190.1	349670.4	247877.6	144837.4	79895.1	36947.6
-2.5°	333555.1	411204.9	463328.3	489031.6	463328.3	411204.9	333555.1	231972.6	138989.7	78687.0	36449.9
-5°	277695.3	346405.2	391354.5	409500.6	391354.5	346405.2	277695.3	191199.8	118183.6	69118.3	33662.5
-7.5°	198975.5	255378.0	288882.7	304172.4	288882.7	255378.0	198975.5	137779.5	89082.4	52047.3	26576.9
-10°	129272.4	160492.0	194273.8	201504.2	194273.8	160492.0	129272.4	88465.8	60577.9	35403.1	17829.7
-12.5°	72828.9	92528.9	109318.5	115377.9	109318.5	92528.9	72828.9	53735.5	32894.5	22171.3	12051.7
-15°	39402.8	50627.0	56674.8	58162.1	56674.8	50627.0	39402.8	28390.6	20118.1	12398.3	6251.2
-17.5°	22622.5	28014.3	31099.6	32516.1	31099.6	28014.3	22622.5	16594.5	11247.5	6340.5	4041.1
-20°	12088.9	15131.2	16868.3	18146.9	16868.3	15131.2	12088.9	8122.5	5700.1	3716.4	3133.9



REPORT NUMBER: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5552.6	6490.3	7020.2	7619.0	7020.2	6490.3	5552.6	4259.5	3363.5	3010.8	2790.4
-25°	3347.3	3473.5	3549.5	3610.9	3549.5	3473.5	3347.3	3154.1	2931.8	2779.4	2653.3
-27.5°	3031.1	3072.3	3096.2	3121.1	3096.2	3072.3	3031.1	2957.6	2872.1	2876.9	2897.1
-30°	3095.7	3053.8	3039.3	3023.4	3039.3	3053.8	3095.7	3131.3	3172.6	3250.2	3390.3
-32.5°	3522.9	3441.6	3397.9	3356.9	3397.9	3441.6	3522.9	3594.2	3665.0	3715.1	3758.8
-35°	4042.6	4006.1	3986.8	3962.6	3986.8	4006.1	4042.6	4052.2	4027.4	3999.7	3975.5
-37.5°	4327.5	4321.1	4320.0	4307.8	4320.0	4321.1	4327.5	4314.5	4237.0	4172.4	4042.3
-40°	4419.2	4416.6	4410.3	4404.2	4410.3	4416.6	4419.2	4404.5	4277.8	4139.3	3890.0
-42.5°	4389.7	4429.0	4447.9	4448.5	4447.9	4429.0	4389.7	4330.5	4107.9	3805.5	3352.0
-45°	4042.9	4243.1	4359.7	4391.1	4359.7	4243.1	4042.9	3773.5	3350.8	2866.6	2371.0
-47.5°	2788.6	3071.2	3289.0	3425.9	3289.0	3071.2	2788.6	2468.5	2108.9	1737.3	1385.8
-50°	1433.5	1470.3	1507.4	1543.6	1507.4	1470.3	1433.5	1394.2	1349.1	1293.4	1233.9
-52.5°	1316.7	1332.1	1341.6	1346.9	1341.6	1332.1	1316.7	1301.5	1282.5	1245.9	1206.8
-55°	1300.1	1314.3	1321.3	1323.5	1321.3	1314.3	1300.1	1285.3	1269.1	1229.5	1190.5
-57.5°	1247.2	1267.1	1279.0	1284.4	1279.0	1267.1	1247.2	1223.1	1195.1	1145.0	1092.1
-60°	1079.8	1097.5	1109.4	1116.3	1109.4	1097.5	1079.8	1057.7	1031.2	989.1	941.0
-62.5°	894.3	910.7	919.9	923.6	919.9	910.7	894.3	873.6	848.6	812.6	770.0
-65°	697.4	711.6	726.0	737.3	726.0	711.6	697.4	679.3	657.5	628.3	593.1
-67.5°	505.1	516.6	529.2	539.3	529.2	516.6	505.1	490.8	473.9	452.4	425.9
-70°	330.2	336.5	346.8	355.6	346.8	336.5	330.2	321.5	310.4	295.7	276.9
-72.5°	184.7	188.8	196.4	203.2	196.4	188.8	184.7	179.4	172.7	164.5	154.7
-75°	90.9	92.8	93.6	93.8	93.6	92.8	90.9	88.5	85.7	82.3	78.3
-77.5°	50.8	51.8	52.0	52.1	52.0	51.8	50.8	49.7	48.5	47.2	45.7
-80°	37.1	37.7	38.4	39.1	38.4	37.7	37.1	36.6	35.9	35.2	34.2
-82.5°	28.2	28.6	28.7	28.7	28.7	28.6	28.2	27.7	27.1	26.6	26.0
-85°	20.4	20.8	20.8	20.8	20.8	20.8	20.4	20.0	19.6	19.2	19.1
-87.5°	16.6	16.9	16.9	16.9	16.9	16.9	16.6	16.2	15.9	15.6	15.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.7	13.3	13.0	12.7	12.4	12.0	11.7	11.4	11.1	10.7	10.4
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	6.6	7.1	7.7	7.9	8.0	7.7	7.1	6.4	5.7	5.1
70°	9.2	9.7	11.0	13.0	14.3	14.9	14.7	13.5	11.1	9.5	8.0
67.5°	11.5	12.1	13.9	16.6	18.8	20.5	22.5	23.7	23.0	20.4	14.4
65°	12.1	13.6	15.1	16.4	18.6	21.8	27.7	30.9	32.1	31.4	24.7
62.5°	10.0	11.4	12.4	13.7	15.4	19.1	27.4	33.9	38.7	38.4	30.8
60°	8.3	9.1	9.8	10.7	11.8	15.9	23.8	32.8	43.0	40.1	33.8
57.5°	7.6	8.1	8.6	8.9	9.1	12.4	18.6	27.1	36.8	36.2	32.9
55°	7.7	8.2	8.7	9.0	9.2	10.9	13.5	18.8	26.4	28.4	27.1
52.5°	9.0	9.1	9.4	10.0	10.3	10.7	11.7	14.7	16.9	19.7	21.1
50°	10.3	10.3	10.3	10.3	10.8	11.1	11.5	12.7	14.0	15.0	15.5
47.5°	12.8	12.6	11.8	11.5	12.3	11.8	12.0	12.2	13.3	13.9	13.9
45°	21.9	20.9	16.0	16.4	16.5	16.0	14.1	15.2	14.4	14.3	14.3
42.5°	54.0	41.9	37.3	30.3	25.7	24.1	21.8	21.8	20.6	17.0	17.1
40°	82.0	67.1	57.7	52.5	43.8	36.8	37.4	31.0	29.2	25.4	24.3
37.5°	96.1	74.2	84.6	80.5	69.1	66.8	66.0	54.0	39.3	46.6	44.8
35°	143.4	135.4	144.3	138.4	113.7	133.9	121.0	93.9	77.3	81.7	74.9
32.5°	292.5	286.9	267.1	246.6	240.9	240.0	217.8	166.7	153.4	142.4	120.9
30°	549.7	509.4	460.5	433.1	423.7	388.8	347.8	355.9	292.2	221.7	181.9
27.5°	948.4	803.0	731.9	762.0	667.5	589.9	626.9	661.7	493.6	360.2	269.2
25°	1462.2	1251.7	1239.7	1239.4	1095.2	953.7	1014.1	1018.1	852.1	546.0	388.2
22.5°	2041.4	1832.5	1753.0	1840.3	1672.9	1546.0	1470.9	1416.6	1291.9	887.3	602.5
20°	2529.4	2345.6	2210.5	2214.3	2239.3	2134.9	1982.9	1838.0	1668.7	1331.8	875.2
17.5°	3114.7	2781.1	2554.2	2504.4	2609.5	2618.7	2434.0	2209.0	2032.8	1790.8	1187.4
15°	4034.7	3200.4	2860.5	2749.1	2811.9	2866.1	2783.8	2551.8	2379.4	2179.1	1550.3
12.5°	6431.2	3595.8	3118.1	2853.5	2843.1	2985.2	3017.5	2871.1	2649.0	2365.8	1805.5
10°	8649.9	4520.8	3371.2	3010.1	2895.1	3019.4	3107.9	2939.8	2694.7	2460.2	2024.2
7.5°	13445.9	5987.1	3619.8	3139.1	2935.9	2971.0	3046.3	2890.6	2708.9	2525.2	2206.2
5°	16835.4	7065.4	3776.9	3223.8	2963.8	2956.2	3006.6	2804.7	2698.0	2566.5	2350.9
2.5°	18744.9	7617.3	3865.4	3282.6	2987.5	2974.3	3004.2	2751.0	2677.4	2553.9	2373.7
0°	17984.0	7077.2	3823.2	3294.3	3005.2	3016.9	3036.4	2739.4	2653.4	2525.8	2361.7
-2.5°	18429.4	7478.8	3870.0	3293.7	3019.8	3026.5	3186.5	2867.8	2725.0	2553.6	2338.2
-5°	16134.3	6734.8	3708.8	3170.8	2940.9	2969.7	3150.5	2905.7	2730.7	2550.2	2278.2
-7.5°	12512.4	5652.8	3486.9	3019.1	2836.1	2887.4	3008.2	2828.3	2611.8	2442.9	2135.0
-10°	7976.5	4319.9	3219.1	2863.6	2736.8	2812.7	2892.4	2714.2	2486.5	2332.0	1969.6
-12.5°	5581.3	3429.3	2941.0	2692.5	2657.2	2793.8	2831.6	2588.1	2356.3	2220.4	1788.4
-15°	3676.8	3050.8	2762.1	2623.4	2631.8	2759.9	2788.5	2570.7	2380.1	2159.3	1596.7
-17.5°	3126.9	2782.2	2614.9	2597.6	2671.2	2739.1	2749.5	2619.5	2431.5	2120.8	1425.7
-20°	2818.9	2639.9	2618.2	2645.7	2722.6	2774.4	2768.3	2684.4	2454.9	1925.2	1235.0



REPORT NUMBER: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2652.9	2688.3	2738.6	2771.7	2766.2	2780.1	2762.4	2686.4	2451.9	1653.4	1018.8
-25°	2762.3	2888.1	3008.3	3022.0	2889.5	2786.1	2761.8	2615.2	2103.0	1361.2	813.1
-27.5°	3080.2	3256.2	3387.9	3331.9	3136.6	2879.0	2720.9	2469.3	1685.2	1081.8	794.6
-30°	3520.8	3602.3	3668.7	3629.5	3351.0	3047.2	2707.5	1977.7	1325.1	853.5	774.4
-32.5°	3820.8	3802.4	3805.4	3743.4	3493.0	3121.4	2298.9	1498.0	968.0	828.5	770.1
-35°	3944.7	3824.3	3734.3	3633.5	3518.0	2608.5	1745.3	1115.3	875.0	807.5	769.2
-37.5°	3885.8	3672.5	3516.1	3306.7	2647.4	1891.7	1218.8	943.5	852.1	803.8	765.2
-40°	3623.4	3393.7	2887.3	2338.3	1781.0	1195.6	1009.6	921.3	861.0	798.3	759.5
-42.5°	2926.3	2456.7	1978.8	1514.1	1125.4	1055.1	988.9	930.3	870.0	807.0	726.6
-45°	1969.3	1575.8	1211.1	1138.3	1070.1	1029.0	995.6	940.3	879.9	783.9	687.0
-47.5°	1272.1	1202.2	1134.2	1090.8	1057.8	1025.3	994.8	948.2	840.2	740.0	643.9
-50°	1184.0	1148.7	1115.1	1083.5	1052.6	1022.3	960.3	880.9	779.2	682.2	591.9
-52.5°	1165.2	1133.9	1104.4	1075.4	1016.6	946.4	873.3	794.0	705.1	614.0	529.4
-55°	1152.4	1099.1	1041.7	982.0	918.8	847.7	774.9	698.4	618.2	535.7	457.7
-57.5°	1039.1	983.9	924.3	864.9	805.9	735.3	661.9	590.8	523.9	451.0	381.9
-60°	890.8	839.4	784.4	726.5	666.1	602.9	541.6	481.9	424.2	370.9	317.5
-62.5°	724.8	677.3	628.2	577.4	525.0	471.7	423.4	381.2	339.3	295.1	245.5
-65°	555.4	515.6	473.3	434.7	396.9	360.1	324.1	287.2	249.4	210.5	169.0
-67.5°	397.4	367.2	337.3	309.0	281.0	251.3	220.2	188.2	161.7	136.8	109.1
-70°	256.6	235.3	213.6	190.9	170.7	151.8	132.4	112.3	91.4	77.9	66.8
-72.5°	143.7	131.6	118.3	104.0	88.5	79.2	72.2	64.8	56.6	47.4	40.4
-75°	73.9	69.1	63.9	58.7	53.2	47.5	43.9	41.1	38.4	35.8	33.4
-77.5°	44.1	42.4	40.7	39.1	37.4	35.5	33.6	31.8	30.4	29.0	27.4
-80°	33.1	32.0	30.9	30.0	29.0	27.9	26.8	25.6	24.4	23.3	22.2
-82.5°	25.4	24.8	24.2	23.4	22.5	21.5	20.4	19.7	19.0	18.3	17.7
-85°	18.9	18.8	18.5	17.7	17.0	16.2	15.5	15.3	15.1	14.8	14.6
-87.5°	14.9	14.5	14.2	13.8	13.5	13.1	12.8	12.7	12.5	12.4	12.2
-90°	0.0	0.0	0.0	0.3	0.7	1.0	1.3	1.3	1.3	1.3	1.3



REPORT NUMBER: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.1	9.8	9.4	9.1	9.1	9.1	9.1	9.1	8.5	7.8	7.2
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°	9.1	7.5	6.2	5.4	5.0	5.0	5.1	5.1	4.9	4.7	5.0
65°	17.6	11.8	7.7	6.6	5.7	5.2	5.2	5.5	5.4	5.2	5.1
62.5°	24.1	17.9	12.3	8.5	6.6	5.7	5.3	5.7	5.9	5.6	5.4
60°	28.4	21.6	16.6	12.1	8.4	6.4	5.8	5.9	6.2	6.1	5.8
57.5°	27.2	23.6	19.9	15.3	10.9	7.7	6.5	6.4	6.5	6.5	6.1
55°	23.9	20.9	21.8	18.4	13.4	9.2	7.5	7.1	6.9	6.9	6.5
52.5°	19.6	19.6	21.4	20.7	16.4	11.1	9.1	7.7	7.5	7.3	6.9
50°	15.8	18.7	21.3	21.9	19.2	14.4	10.5	8.9	8.0	7.8	7.4
47.5°	14.4	17.8	20.5	23.2	21.5	17.4	12.9	10.0	8.6	8.2	7.8
45°	16.0	17.3	20.0	22.5	24.1	19.8	15.5	11.1	9.5	8.7	8.3
42.5°	19.2	19.5	20.2	21.9	23.9	21.8	17.9	13.2	10.4	9.2	8.7
40°	24.2	23.6	21.8	23.6	23.9	23.5	19.6	15.2	11.3	9.8	9.1
37.5°	30.6	29.3	26.4	28.1	25.7	24.1	20.9	17.1	12.5	10.6	9.6
35°	55.4	36.7	41.3	39.0	31.9	25.3	22.0	18.6	14.3	11.5	9.9
32.5°	87.0	68.9	72.8	57.3	40.3	27.1	23.3	20.2	16.1	12.3	10.3
30°	146.1	144.7	120.7	80.7	53.6	35.0	25.7	22.1	17.8	13.2	10.8
27.5°	246.1	236.8	186.7	125.0	76.0	45.4	29.7	24.3	19.4	14.2	11.5
25°	348.8	332.5	276.0	185.2	101.7	70.5	34.4	26.7	21.1	15.6	12.2
22.5°	459.2	425.0	376.3	255.3	145.3	104.0	47.1	30.5	23.0	16.9	12.9
20°	567.9	516.4	477.5	315.5	199.4	142.8	71.2	34.5	24.9	18.0	13.5
17.5°	698.5	589.5	517.5	375.0	253.5	182.0	99.7	38.8	27.0	19.1	14.2
15°	903.1	638.1	552.9	427.3	300.4	221.2	131.5	43.2	29.1	20.1	14.7
12.5°	1089.4	683.3	587.9	472.8	340.8	260.1	165.5	47.7	31.1	21.0	15.2
10°	1263.8	724.9	621.8	511.7	375.4	298.3	200.6	52.2	33.1	22.0	15.7
7.5°	1421.9	762.6	654.2	544.5	401.9	322.6	222.3	56.5	34.8	22.8	16.0
5°	1540.9	790.5	678.5	559.2	408.7	331.0	238.6	60.6	36.5	23.5	16.4
2.5°	1552.2	804.5	696.6	567.2	413.2	336.7	251.0	64.4	37.9	24.2	16.7
0°	1529.3	814.1	711.2	570.5	415.5	340.0	259.2	67.7	39.1	24.7	16.9
-2.5°	1507.4	814.5	712.5	580.6	434.3	349.9	268.3	87.1	51.6	31.7	20.2
-5°	1458.3	811.3	710.2	586.8	450.2	357.9	273.8	105.5	63.6	38.5	23.3
-7.5°	1375.0	795.7	700.0	588.6	462.7	364.0	276.4	122.6	74.7	44.7	26.2
-10°	1263.9	771.3	680.2	579.4	468.5	371.8	277.4	138.0	84.8	50.3	28.8
-12.5°	1128.1	744.4	660.1	570.2	472.1	381.2	280.0	150.9	93.6	55.1	31.0
-15°	968.7	715.1	640.6	562.4	474.7	388.7	280.0	161.4	101.5	59.8	32.7
-17.5°	792.4	683.8	622.6	556.8	476.7	394.4	277.7	169.6	108.0	64.2	34.8
-20°	755.5	669.2	607.5	554.6	478.4	398.4	273.2	175.2	112.8	67.6	36.7



REPORT NUMBER: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	743.4	670.8	612.3	552.8	479.9	400.7	266.8	178.0	116.0	69.6	37.8
-25°	729.1	673.8	619.7	552.5	479.7	389.4	263.8	177.8	117.3	70.2	38.1
-27.5°	726.5	678.5	626.3	547.1	471.4	376.5	262.6	178.7	117.2	69.4	37.3
-30°	731.2	684.1	619.7	536.3	459.5	355.3	257.5	177.3	116.0	68.1	35.6
-32.5°	732.9	689.3	603.9	520.3	436.8	333.0	245.7	173.2	112.9	66.1	34.6
-35°	730.2	671.6	581.8	500.0	409.9	315.4	231.9	166.6	107.5	62.6	33.6
-37.5°	723.9	639.8	555.4	473.4	382.5	295.1	219.3	156.0	100.1	57.5	31.9
-40°	687.8	606.3	525.0	443.0	356.6	272.2	204.4	143.6	92.3	50.9	29.5
-42.5°	649.8	570.0	490.3	411.7	328.8	253.0	187.2	129.0	82.3	46.0	26.4
-45°	607.1	529.6	451.9	374.7	299.3	231.1	168.3	112.7	70.6	41.6	23.9
-47.5°	560.3	484.3	408.1	333.8	271.4	206.6	146.7	97.8	57.6	36.4	22.9
-50°	507.7	433.1	359.0	295.8	238.6	179.3	124.0	81.2	50.3	30.1	21.7
-52.5°	449.4	374.7	312.9	257.9	202.5	149.1	103.2	64.0	42.3	27.0	20.4
-55°	382.8	322.0	269.6	215.6	163.5	121.1	80.5	53.7	33.5	25.1	19.0
-57.5°	325.4	273.0	220.1	169.3	127.9	92.1	63.5	42.5	29.6	23.1	18.0
-60°	266.3	214.5	165.8	128.3	94.4	68.4	49.6	33.5	27.0	21.2	16.9
-62.5°	197.7	154.6	121.4	89.9	67.9	51.2	36.8	30.3	24.2	19.9	15.8
-65°	137.0	106.6	79.2	63.6	48.4	36.9	32.7	26.9	22.4	18.5	14.8
-67.5°	82.6	69.1	55.4	41.8	36.1	32.3	28.3	24.6	20.9	17.1	14.2
-70°	55.2	43.3	37.5	34.5	31.2	27.9	25.6	22.8	19.2	16.2	13.6
-72.5°	37.6	34.9	32.2	29.5	27.1	25.0	23.2	20.9	17.9	15.2	12.8
-75°	31.1	29.2	27.2	25.3	23.5	22.0	20.8	19.1	16.4	14.1	11.9
-77.5°	25.9	24.2	22.6	21.3	20.4	19.4	18.4	17.1	15.0	12.9	10.8
-80°	21.2	20.2	19.2	18.4	17.6	16.9	16.3	15.5	13.6	11.7	9.7
-82.5°	17.0	16.6	16.2	15.8	15.4	14.9	14.5	13.9	12.2	10.4	8.8
-85°	14.4	14.1	13.8	13.6	13.3	13.0	12.7	12.4	10.9	9.5	8.3
-87.5°	12.0	11.8	11.6	11.3	11.2	11.0	10.9	10.7	9.7	8.7	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: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

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°	5.8	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	6.2	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°	7.5	6.7	6.0	5.3	4.8	4.5	3.9
42.5°	7.9	6.9	6.2	5.5	4.9	4.5	3.9
40°	8.3	7.2	6.4	5.6	5.1	4.6	3.9
37.5°	8.8	7.4	6.6	5.8	5.2	4.6	3.9
35°	9.2	7.7	6.8	6.0	5.3	4.7	3.9
32.5°	9.6	8.1	6.9	6.1	5.4	4.7	3.9
30°	10.0	8.4	7.1	6.3	5.5	4.7	3.9
27.5°	10.3	8.8	7.3	6.5	5.6	4.8	3.9
25°	10.6	9.1	7.5	6.6	5.7	4.8	3.9
22.5°	10.9	9.4	7.7	6.8	5.8	4.9	3.9
20°	11.2	9.7	7.9	6.9	5.9	4.9	3.9
17.5°	11.4	9.9	8.1	7.0	6.0	5.0	3.9
15°	11.6	10.0	8.2	7.2	6.1	5.0	3.9
12.5°	11.9	10.2	8.4	7.3	6.2	5.0	3.9
10°	12.1	10.3	8.6	7.4	6.2	5.1	3.9
7.5°	12.4	10.3	8.7	7.5	6.3	5.1	3.9
5°	12.6	10.4	8.9	7.6	6.4	5.1	3.9
2.5°	12.8	10.4	9.0	7.7	6.4	5.2	3.9
0°	13.0	10.4	9.1	7.8	6.5	5.2	3.9
-2.5°	14.2	11.0	9.3	7.9	6.6	5.2	3.9
-5°	15.3	11.5	9.5	8.0	6.6	5.3	3.9
-7.5°	16.4	12.0	9.7	8.0	6.6	5.3	3.9
-10°	17.4	12.5	9.9	8.1	6.7	5.3	3.9
-12.5°	18.3	12.9	10.1	8.1	6.7	5.3	3.9
-15°	19.0	13.3	10.2	8.2	6.7	5.3	3.9
-17.5°	19.6	13.6	10.3	8.2	6.8	5.3	3.9
-20°	20.3	13.8	10.4	8.2	6.8	5.3	3.9



REPORT NUMBER: P731570 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.0	14.0	10.4	8.3	6.8	5.3	3.9
-25°	21.3	14.1	10.4	8.3	6.8	5.3	3.9
-27.5°	21.3	14.2	10.4	8.3	6.8	5.3	3.9
-30°	20.8	14.2	10.3	8.3	6.8	5.3	3.9
-32.5°	19.9	14.1	10.3	8.2	6.8	5.3	3.9
-35°	19.4	13.9	10.3	8.2	6.8	5.3	3.9
-37.5°	19.2	13.6	10.2	8.2	6.8	5.2	3.9
-40°	18.8	13.5	10.0	8.1	6.7	5.2	3.9
-42.5°	18.2	13.3	9.9	8.1	6.7	5.2	3.9
-45°	17.5	13.0	9.9	8.1	6.7	5.1	3.9
-47.5°	16.7	12.7	9.9	8.0	6.6	5.1	3.9
-50°	16.1	12.3	9.8	8.0	6.6	5.1	3.9
-52.5°	15.5	11.8	9.7	7.9	6.5	5.0	3.9
-55°	14.8	11.6	9.5	7.8	6.5	5.0	3.9
-57.5°	14.0	11.3	9.4	7.7	6.4	4.9	3.9
-60°	13.2	11.1	9.2	7.5	6.3	4.8	3.9
-62.5°	12.8	10.8	8.9	7.4	6.2	4.8	3.9
-65°	12.4	10.5	8.6	7.2	6.0	4.7	3.9
-67.5°	11.9	10.1	8.3	7.0	5.8	4.6	3.9
-70°	11.4	9.5	8.0	6.8	5.6	4.6	3.9
-72.5°	10.6	8.9	7.6	6.5	5.4	4.5	3.9
-75°	9.8	8.3	7.2	6.3	5.2	4.4	3.9
-77.5°	8.8	7.7	6.8	6.0	5.0	4.3	3.9
-80°	7.9	7.2	6.5	5.7	4.8	4.2	3.9
-82.5°	7.5	6.9	6.2	5.4	4.6	4.2	3.9
-85°	7.2	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

