

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: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-3S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-3S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

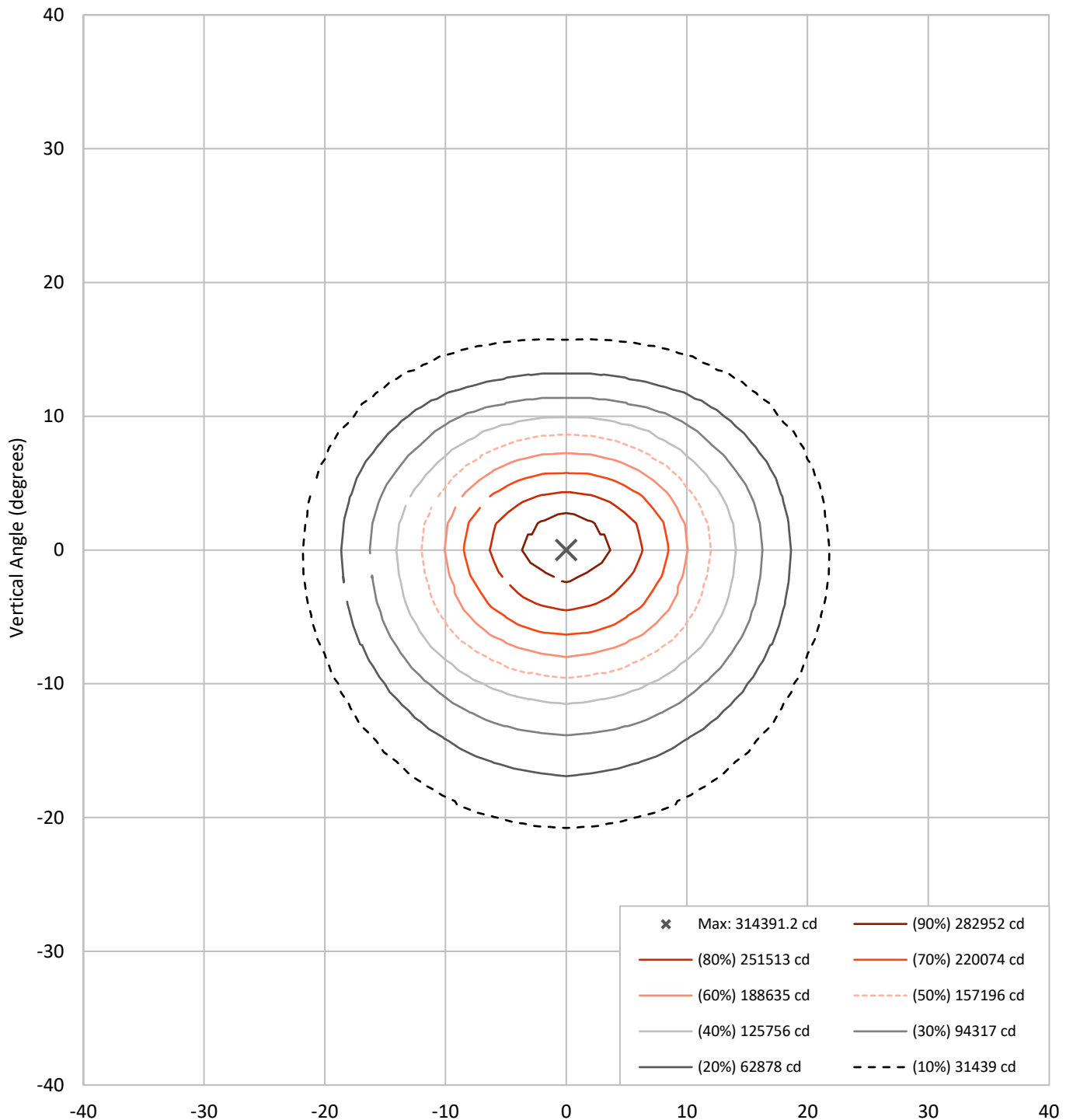
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	52558.4 lumens	Max Intensity:	314391.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	93.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	22483.3 lumens	Field Lumens:	44916.4 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 559.9
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-57-80-3S-CV5

Iso-Candela Plot





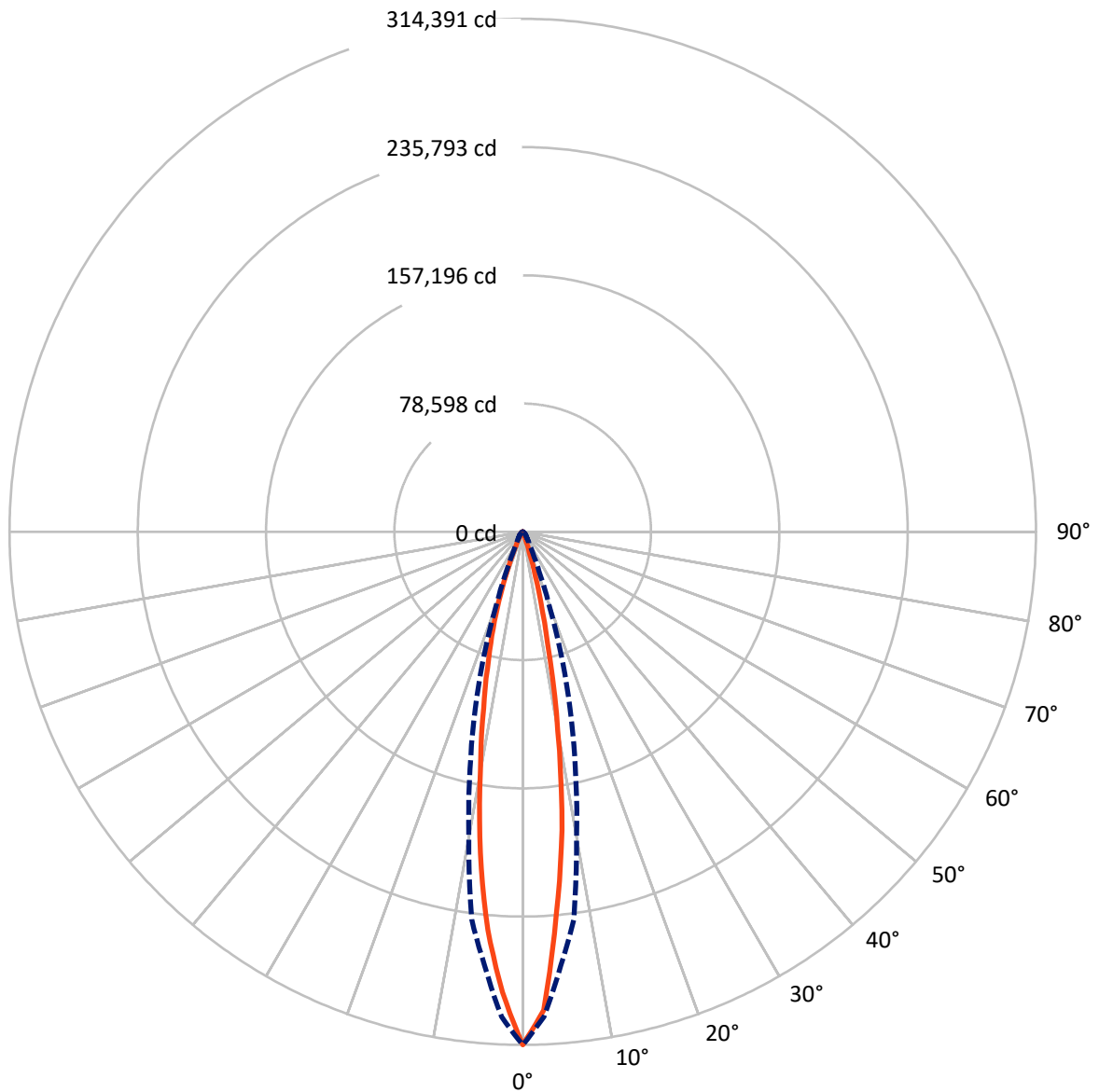
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Lumen Table

90																			
80	0.1	0.4		0.6		0.7		0.8		0.7		0.6		0.4		0.1			
70																			
60	0.1	0.1	0.2	0.6	0.7	0.4	0.3	0.2	0.2	0.3	0.4	0.7	0.6	0.2	0.1	0.1			
50		0.1	0.4	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.4	0.1				
40	0.2	0.2	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.2	0.2			
30		0.2	0.5	0.8	1.4	2.1	2.6	3.4	3.4	2.6	2.1	1.4	0.8	0.5	0.2				
20	0.2	0.4	1.5	3.7	6.9	10.6	23.9	48.1	48.1	23.9	10.6	6.9	3.7	1.5	0.4	0.2			
10		1.0	5.4	17.3	37.9	101.5	563.0	1288.3	1288.3	563.0	101.5	37.9	17.3	5.4	1.0				
0	0.3	1.9	11.3	40.9	95.3	419.2	2629.3	6137.2	6137.2	2629.3	419.2	95.3	40.9	11.3	1.9	0.3			
-10		2.6	13.5	47.8	106.9	446.8	2804.3	6321.2	6321.2	2804.3	446.8	106.9	47.8	13.5	2.6				
-20	0.5	2.7	11.6	36.3	75.9	192.6	1018.2	2291.4	2291.4	1018.2	192.6	75.9	36.3	11.6	2.7	0.5			
-30		2.6	9.4	22.8	53.6	90.8	197.2	396.5	396.5	197.2	90.8	53.6	22.8	9.4	2.6				
-40	0.4	2.4	7.5	15.9	34.7	62.6	85.1	99.3	99.3	85.1	62.6	34.7	15.9	7.5	2.4	0.4			
-50		1.7	5.6	12.1	21.6	35.2	53.8	67.7	67.7	53.8	35.2	21.6	12.1	5.6	1.7				
-60	0.2	0.8	3.3	7.7	13.7	20.1	25.5	28.7	28.7	25.5	20.1	13.7	7.7	3.3	0.8	0.2			
-70		0.3	1.1	3.3	6.2	9.5	12.7	14.7	14.7	12.7	9.5	6.2	3.3	1.1	0.3				
-80	0.2	0.8		2.5		6.8		10.5		6.8		2.5		0.8		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

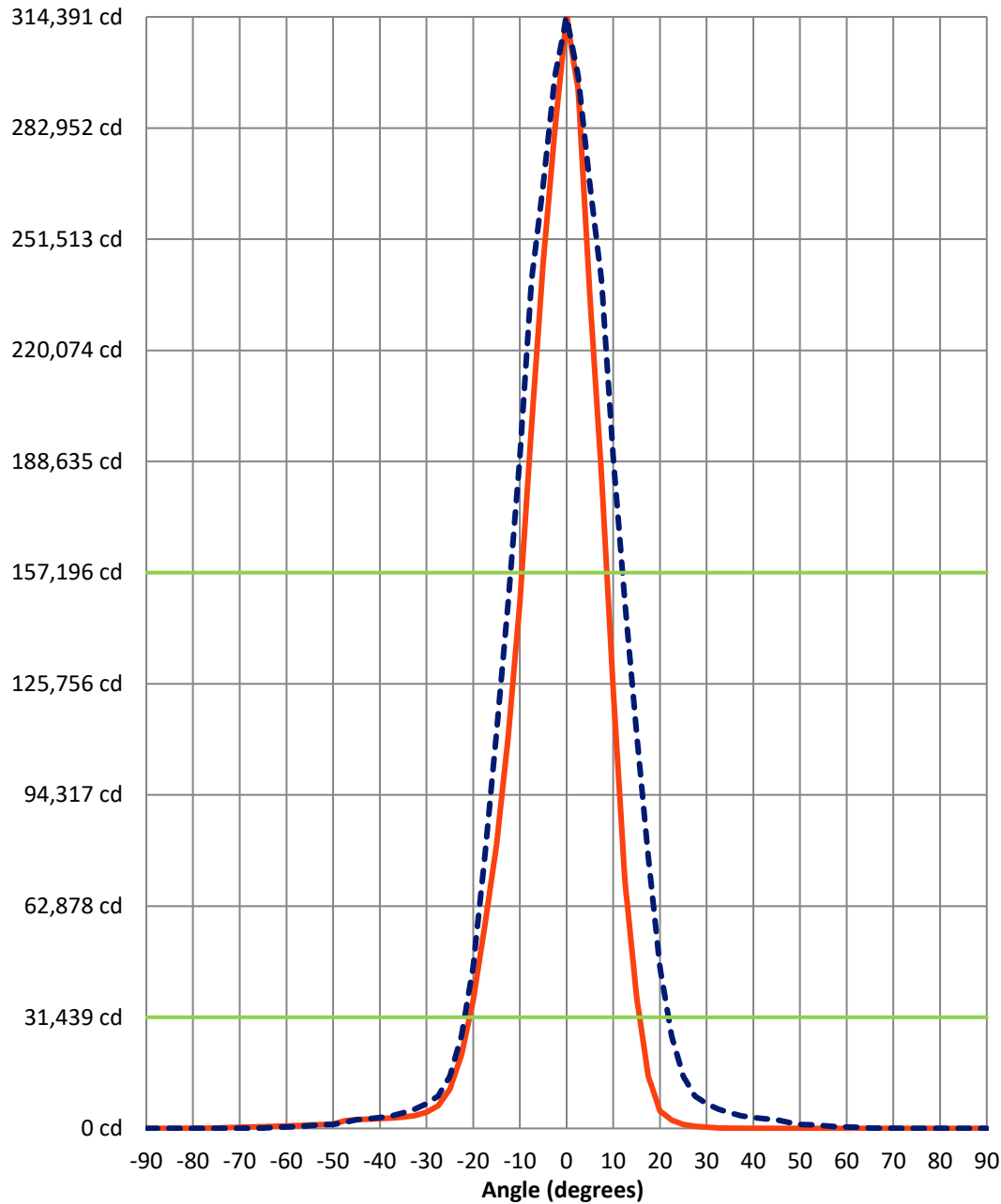
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24°
V Angle: 18.2°
Lumens: 22483.3
Efficiency: 42.8%

Field:
H Angle: 43.7°
V Angle: 36.4°
Lumens: 44916.4
Efficiency: 85.5%

Spill:
Lumens: 7642
Efficiency: 14.5%

— 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°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
85°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
75°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
72.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
70°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.2
67.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.6	6.6	7.2	7.8
65°	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.6	7.2	7.8	8.1
62.5°	6.6	6.6	6.6	6.6	6.6	6.8	6.8	6.9	7.7	8.2	7.7
60°	6.6	6.6	6.6	6.6	6.6	6.9	6.9	7.4	8.2	8.0	7.3
57.5°	6.6	6.6	6.6	6.6	6.8	7.1	7.2	7.8	8.2	7.8	7.2
55°	6.6	6.6	6.6	6.6	6.9	7.3	7.6	8.3	8.2	7.7	7.3
52.5°	6.6	6.6	6.7	6.6	7.1	7.5	7.9	8.3	8.1	7.8	7.4
50°	6.6	6.6	6.7	6.6	7.3	7.7	8.1	8.4	8.2	7.9	9.0
47.5°	6.6	6.6	6.8	6.6	7.5	7.8	8.3	8.5	8.3	8.0	10.4
45°	6.6	6.6	6.8	6.8	7.7	8.0	8.5	8.7	8.5	8.8	11.4
42.5°	6.6	6.6	6.9	7.0	7.9	8.1	8.6	8.9	8.7	9.4	12.5
40°	6.6	6.6	6.9	7.1	8.1	8.2	8.8	9.1	9.1	9.7	13.6
37.5°	6.6	6.6	7.0	7.3	8.1	8.3	9.0	9.3	9.8	10.8	14.5
35°	6.6	6.6	7.1	7.5	8.2	8.4	9.3	9.6	10.5	12.5	15.1
32.5°	6.6	6.6	7.1	7.7	8.3	8.6	9.5	10.0	11.2	14.3	16.5
30°	6.6	6.6	7.2	7.8	8.3	8.8	9.8	10.4	12.0	16.1	18.4
27.5°	6.6	6.6	7.3	7.9	8.3	9.0	10.0	11.0	13.1	18.0	20.5
25°	6.6	6.6	7.4	8.0	8.3	9.2	10.3	11.7	14.6	19.8	23.1
22.5°	6.6	6.6	7.5	8.1	8.3	9.3	10.6	12.3	16.2	21.8	27.9
20°	6.6	6.6	7.6	8.1	8.3	9.5	10.9	13.0	17.7	23.9	33.1
17.5°	6.6	6.6	7.7	8.2	8.3	9.6	11.1	13.6	19.1	26.1	38.7
15°	6.6	6.6	7.8	8.2	8.3	9.7	11.3	14.3	20.6	28.4	44.6
12.5°	6.6	6.6	7.9	8.3	8.3	9.8	11.4	15.2	22.2	30.8	50.7
10°	6.6	6.6	8.0	8.3	8.3	9.9	11.5	16.2	23.9	34.7	58.1
7.5°	6.6	6.6	8.1	8.3	8.3	9.9	11.5	17.2	25.6	39.0	68.4
5°	6.6	6.6	8.1	8.3	8.3	10.0	11.6	18.1	27.2	43.3	78.7
2.5°	6.6	6.6	8.2	8.3	8.3	10.0	11.6	19.1	28.6	47.5	88.7
0°	6.6	6.6	8.3	8.3	8.3	10.0	11.6	19.9	29.9	51.5	98.0
-2.5°	6.6	6.6	8.3	8.3	8.4	10.4	13.1	23.8	37.9	63.3	112.2
-5°	6.6	6.6	8.3	8.3	8.6	10.7	14.6	27.4	45.6	74.5	125.4
-7.5°	6.6	6.6	8.3	8.3	8.7	11.0	16.0	30.7	52.8	85.0	137.4
-10°	6.6	6.6	8.2	8.3	8.9	11.3	17.2	33.7	59.2	94.6	148.1
-12.5°	6.6	6.6	8.2	8.3	9.0	11.5	18.3	36.1	64.7	103.2	157.9
-15°	6.6	6.6	8.2	8.3	9.1	11.7	19.1	38.0	69.8	111.0	166.4
-17.5°	6.6	6.6	8.1	8.3	9.1	11.8	19.7	40.2	74.6	117.7	173.2
-20°	6.6	6.6	8.1	8.3	9.2	11.9	20.2	42.2	78.2	123.2	178.2



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.6	6.6	8.0	8.3	9.2	11.9	20.9	43.3	80.4	127.5	181.3
-25°	6.6	6.6	8.0	8.3	9.2	12.1	21.0	43.4	81.3	130.4	182.6
-27.5°	6.6	6.6	7.9	8.3	9.2	12.1	20.5	42.4	80.8	131.8	185.1
-30°	6.6	6.6	7.8	8.3	9.1	12.1	19.5	40.3	79.4	130.8	186.0
-32.5°	6.6	6.6	7.8	8.3	9.1	12.1	17.8	38.8	76.9	127.9	185.1
-35°	6.6	6.6	7.7	8.3	9.1	11.9	17.1	36.8	72.7	122.8	182.5
-37.5°	6.6	6.6	7.6	8.3	9.0	11.7	16.8	33.9	66.9	115.7	170.2
-40°	6.6	6.6	7.5	8.3	8.9	11.6	16.4	30.0	59.5	107.4	155.2
-42.5°	6.6	6.6	7.4	8.3	8.9	11.4	15.8	25.1	52.9	94.3	138.6
-45°	6.6	6.6	7.3	8.3	8.9	11.1	15.1	21.4	46.1	79.7	120.7
-47.5°	6.6	6.6	7.2	8.3	8.9	10.8	14.3	20.4	38.0	64.1	103.1
-50°	6.6	6.6	7.1	8.2	8.8	10.5	13.7	19.1	28.2	52.9	84.3
-52.5°	6.6	6.6	7.0	8.0	8.7	10.0	13.1	17.7	23.7	41.2	65.1
-55°	6.6	6.6	6.8	7.9	8.6	9.8	12.5	16.1	21.5	29.0	51.4
-57.5°	6.6	6.6	6.7	7.7	8.5	9.5	11.7	15.1	19.2	24.2	37.1
-60°	6.6	6.6	6.6	7.6	8.3	9.2	10.9	14.0	17.1	21.6	26.2
-62.5°	6.6	6.6	6.6	7.4	8.1	8.9	10.4	12.8	15.7	18.9	23.2
-65°	6.6	6.6	6.6	7.3	8.0	8.5	9.8	11.7	14.3	17.1	20.2
-67.5°	6.6	6.6	6.6	7.1	7.8	8.2	9.1	10.8	12.8	15.4	18.0
-70°	6.6	6.6	6.6	7.0	7.7	8.1	8.4	10.0	11.8	13.7	16.1
-72.5°	6.6	6.6	6.6	6.9	7.6	8.0	8.3	9.1	10.9	12.6	14.3
-75°	6.6	6.6	6.6	6.9	7.4	7.9	8.3	8.8	9.8	11.4	13.0
-77.5°	6.6	6.6	6.6	6.9	7.3	7.9	8.3	8.6	9.4	10.4	11.8
-80°	6.6	6.6	6.6	6.8	7.2	7.7	8.3	8.4	8.9	9.5	10.5
-82.5°	6.6	6.6	6.6	6.8	7.0	7.4	7.9	8.1	8.3	8.7	9.2
-85°	6.6	6.6	6.6	6.7	6.9	7.1	7.5	7.6	7.8	7.9	8.0
-87.5°	6.6	6.6	6.6	6.7	6.7	6.9	7.0	7.1	7.2	7.3	7.3
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.0	7.5	7.9
87.5°	6.4	6.2	6.0	5.9	5.7	5.5	5.3	5.0	5.0	5.0	5.0
85°	6.6	6.6	6.6	6.6	6.2	5.8	5.4	5.0	5.0	5.0	5.0
82.5°	6.6	6.6	6.6	6.6	6.2	5.8	5.5	5.2	5.3	5.2	5.2
80°	6.6	6.6	6.6	6.6	6.4	6.3	6.3	6.3	6.2	5.9	5.5
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.3	5.9	5.5
75°	6.6	6.6	6.7	6.7	6.6	6.6	6.6	6.6	6.5	6.3	6.3
72.5°	6.9	7.1	7.1	6.8	6.6	6.6	6.6	6.6	7.8	9.5	10.7
70°	7.6	7.6	7.1	6.7	6.6	7.0	9.1	11.9	14.8	17.0	19.7
67.5°	8.1	7.3	6.8	6.8	8.0	10.2	13.4	20.5	28.4	31.5	32.4
65°	7.4	6.8	7.0	8.1	9.8	15.7	23.5	32.7	39.4	38.9	36.9
62.5°	6.8	6.8	7.7	10.4	15.8	23.1	30.2	36.6	43.0	41.3	35.4
60°	6.7	7.0	10.2	15.6	21.2	26.6	33.2	36.9	39.8	39.6	31.3
57.5°	6.8	8.9	14.4	19.7	24.2	28.3	30.3	32.9	33.9	34.0	25.4
55°	7.9	12.3	17.6	22.1	25.5	24.8	25.6	26.0	26.1	24.4	17.3
52.5°	10.5	15.2	19.5	23.4	24.2	21.8	19.0	19.1	17.9	15.1	12.5
50°	12.7	16.8	21.1	23.7	22.7	18.1	14.0	14.0	12.8	11.1	9.6
47.5°	14.3	18.4	22.5	24.0	20.2	16.4	13.0	11.3	10.2	9.8	8.7
45°	15.6	19.7	24.0	22.4	19.0	16.3	13.4	10.0	10.4	10.3	10.7
42.5°	16.9	20.5	22.9	21.4	19.5	17.4	14.8	12.8	11.9	13.2	13.7
40°	17.5	21.1	22.2	22.5	20.7	19.6	19.2	17.7	15.3	17.5	18.2
37.5°	17.7	21.0	23.1	25.8	23.4	24.0	25.0	25.3	24.0	23.4	26.3
35°	17.7	21.6	27.8	31.1	29.1	30.5	33.4	34.7	34.8	34.1	39.1
32.5°	18.1	22.7	34.4	37.2	39.4	41.1	43.0	46.1	49.0	52.2	60.4
30°	20.5	28.9	41.9	44.1	52.0	60.1	57.8	59.4	65.8	86.6	104.8
27.5°	25.5	37.2	48.5	55.2	67.9	85.0	90.3	79.8	98.8	131.0	161.8
25°	31.5	60.3	55.6	68.9	92.5	118.1	132.4	130.8	149.4	190.2	226.7
22.5°	44.2	90.4	87.7	83.7	121.0	158.7	183.1	225.7	285.6	285.3	298.6
20°	66.5	119.2	128.1	139.2	163.3	205.3	240.3	352.9	477.7	520.0	473.9
17.5°	92.4	151.0	174.2	211.7	265.1	292.3	312.3	505.0	715.8	799.4	825.6
15°	121.3	185.1	223.5	292.8	378.0	426.3	511.4	731.5	980.7	1122.3	1227.5
12.5°	152.2	221.1	275.1	380.5	499.1	562.9	751.5	1070.2	1318.3	1489.2	1756.8
10°	183.9	258.2	328.2	472.5	625.7	701.1	1008.6	1419.0	1678.2	1875.9	2242.2
7.5°	218.9	295.2	380.9	566.4	755.1	839.9	1274.1	1770.4	2028.9	2249.2	2663.1
5°	252.9	330.7	428.2	646.3	858.8	957.0	1513.6	2115.3	2369.7	2608.8	3043.2
2.5°	284.4	364.6	473.6	719.8	941.0	1039.0	1628.9	2290.8	2568.1	2864.8	3330.4
0°	312.1	396.8	516.4	787.0	1016.1	1117.4	1720.1	2442.3	2729.6	3066.6	3539.8
-2.5°	318.0	409.6	531.6	786.0	1006.1	1115.4	1728.9	2449.0	2785.2	3141.5	3604.6
-5°	319.5	419.8	543.3	778.2	989.4	1109.0	1711.1	2424.3	2794.4	3123.3	3540.3
-7.5°	317.3	427.2	551.4	762.7	956.9	1072.1	1610.2	2274.1	2648.3	2934.8	3327.0
-10°	311.6	426.1	542.4	728.1	904.9	1016.2	1472.1	2100.7	2496.2	2742.8	3084.5
-12.5°	301.7	418.2	528.1	690.8	852.4	959.1	1311.3	1908.7	2342.0	2552.6	2829.0
-15°	290.5	408.7	511.2	652.4	801.1	901.7	1128.7	1701.5	2195.1	2409.6	2615.0
-17.5°	278.9	398.0	492.0	613.9	752.6	844.7	931.6	1481.4	2009.3	2263.7	2462.2
-20°	267.5	386.3	470.6	576.6	707.0	800.6	871.8	1258.4	1748.2	2102.2	2301.4



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	256.9	373.8	450.4	547.6	666.7	765.4	837.7	1040.2	1472.8	1926.5	2141.8
-25°	252.9	355.9	433.9	522.2	628.2	729.9	804.4	855.0	1212.5	1661.6	1989.8
-27.5°	253.1	340.9	418.1	494.9	589.8	692.1	766.4	818.7	1014.7	1401.4	1818.3
-30°	250.8	322.8	400.7	468.4	556.1	648.6	727.1	799.2	861.3	1170.8	1538.8
-32.5°	241.3	303.8	379.7	447.6	522.2	606.7	695.0	772.1	839.4	940.1	1273.5
-35°	228.6	288.1	356.9	425.3	487.9	569.2	656.1	740.4	811.8	874.4	1026.5
-37.5°	216.9	270.2	333.3	400.8	462.2	532.0	614.2	698.8	775.5	849.8	918.5
-40°	203.5	250.3	310.8	374.3	435.6	496.5	570.8	650.6	731.6	817.2	900.0
-42.5°	188.2	233.8	286.9	346.7	404.8	464.6	525.5	600.5	681.9	772.5	858.8
-45°	168.1	215.6	261.7	315.7	370.7	428.7	487.5	548.0	626.6	710.1	800.5
-47.5°	146.2	194.5	239.3	282.6	334.4	388.4	445.6	505.0	567.1	643.3	724.3
-50°	123.3	168.3	213.8	252.8	296.2	346.1	398.7	457.7	516.9	576.7	645.7
-52.5°	101.0	140.3	182.9	223.4	260.9	302.7	351.4	404.8	461.4	518.8	572.2
-55°	77.4	113.1	149.9	189.5	227.4	262.9	302.2	350.1	400.8	454.0	502.9
-57.5°	58.4	85.3	118.1	152.6	189.3	225.2	259.5	294.3	338.0	385.0	426.8
-60°	42.0	61.5	86.6	117.0	148.4	182.3	216.9	249.3	281.2	312.0	349.4
-62.5°	27.5	42.8	60.5	81.8	109.6	138.2	168.8	200.0	231.1	257.8	282.5
-65°	24.1	27.6	39.6	55.6	71.5	97.2	123.2	148.1	175.3	199.9	223.6
-67.5°	20.6	23.8	27.0	32.6	47.0	62.9	79.7	102.5	124.1	141.8	159.4
-70°	18.3	20.2	22.9	25.7	28.7	35.2	49.2	63.9	78.3	91.9	107.0
-72.5°	16.1	17.8	19.6	21.2	23.9	26.9	30.1	33.3	41.4	52.3	62.7
-75°	14.3	15.5	17.0	18.5	20.1	22.0	24.0	26.7	29.3	31.6	33.6
-77.5°	12.7	13.6	14.6	15.8	17.1	18.5	20.0	21.6	23.2	25.0	26.8
-80°	11.1	11.6	12.2	13.0	14.1	15.2	16.3	17.3	18.3	19.5	20.7
-82.5°	9.6	9.9	10.3	10.7	11.3	12.1	13.0	13.8	14.1	14.4	14.9
-85°	8.2	8.3	8.5	8.8	9.1	9.5	9.9	10.4	10.5	10.5	10.5
-87.5°	7.4	7.4	7.5	7.6	7.6	7.7	7.7	7.8	8.0	8.1	8.2
-90°	6.2	5.8	5.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.3	8.7	9.1	9.6	10.0	13.7	17.4	21.2	24.9	31.1	37.3
87.5°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.7	1.7
85°	5.0	4.6	4.2	3.7	3.3	3.2	3.2	3.2	3.2	2.9	2.5
82.5°	5.0	4.6	4.2	3.8	3.3	3.3	3.3	3.3	3.3	2.9	2.5
80°	5.1	4.8	4.6	4.4	4.4	4.2	4.0	3.7	3.3	3.3	3.3
77.5°	5.2	5.3	5.3	5.2	5.0	4.7	4.2	3.8	3.4	3.3	3.3
75°	6.4	6.6	6.8	6.5	6.0	5.6	5.3	5.0	4.7	4.5	4.1
72.5°	11.6	11.7	11.2	10.7	9.7	9.3	9.3	9.2	9.0	8.8	8.7
70°	21.3	21.7	20.8	18.8	15.9	14.0	13.1	11.9	10.5	9.9	9.9
67.5°	30.3	27.8	25.1	22.2	18.6	15.6	13.8	12.2	10.6	9.8	9.4
65°	33.2	27.1	22.7	19.1	16.4	14.0	12.2	10.3	8.6	7.4	7.0
62.5°	28.9	21.6	17.2	14.5	12.6	11.3	9.4	7.8	6.4	5.6	5.8
60°	23.5	15.9	11.8	10.3	9.2	8.3	7.3	6.3	5.5	5.0	5.1
57.5°	17.6	11.6	8.3	8.1	7.6	6.9	6.3	5.9	5.4	5.0	5.0
55°	12.1	9.6	8.3	7.9	7.4	6.9	6.4	6.0	5.5	5.0	5.0
52.5°	9.5	8.7	8.3	8.0	7.5	7.0	6.5	6.1	5.6	5.1	5.0
50°	8.7	8.4	8.5	8.2	7.7	7.2	6.7	6.4	6.3	6.1	6.1
47.5°	8.9	9.2	9.0	8.4	8.0	8.1	8.1	8.1	8.2	7.9	7.8
45°	10.2	10.2	10.1	10.0	9.6	10.5	11.1	11.2	13.0	12.3	10.4
42.5°	12.6	13.3	14.0	14.9	13.7	17.5	23.5	27.6	23.6	18.6	15.7
40°	19.2	19.7	23.9	26.1	30.9	36.4	33.1	27.7	24.7	26.4	27.3
37.5°	30.2	35.3	42.2	50.0	48.1	39.8	40.8	40.7	39.2	42.6	42.8
35°	49.4	61.8	67.7	69.5	66.1	63.5	65.8	68.1	63.0	71.0	73.5
32.5°	80.6	95.9	99.3	95.7	96.1	101.7	105.8	113.4	121.0	133.1	147.5
30°	118.9	135.3	143.1	135.9	137.5	150.7	159.2	176.5	203.9	235.4	274.7
27.5°	176.2	188.3	202.3	204.3	197.7	217.1	247.4	265.5	339.5	388.5	476.8
25°	251.8	270.6	282.9	303.7	314.8	338.3	396.4	452.3	566.1	676.8	864.7
22.5°	350.9	411.5	433.8	430.6	496.1	559.0	608.6	765.3	989.2	1317.0	1686.1
20°	482.0	606.4	712.2	746.5	769.8	935.9	1106.8	1593.1	2150.7	3081.2	3804.6
17.5°	868.8	909.7	1142.0	1331.1	1421.0	1772.9	2570.5	3794.8	5899.1	8778.3	10548.6
15°	1450.5	1567.3	1800.2	2200.2	2695.1	3627.9	4959.4	8862.5	14259.4	20157.0	25771.9
12.5°	2092.8	2336.6	2763.3	3352.3	4138.0	6799.3	11096.5	18439.9	28431.2	38649.2	51681.0
10°	2688.9	3179.1	3879.4	4873.6	6891.2	11437.6	18670.8	31153.5	48851.2	67305.0	85740.9
7.5°	3175.1	3876.6	4900.6	6389.8	10005.9	17305.1	29167.5	47559.1	70250.4	93992.1	118988.5
5°	3666.2	4554.2	5787.6	7589.4	12046.9	21838.2	37616.5	62795.2	92078.5	121993.8	153494.7
2.5°	4091.9	5130.7	6558.6	8663.7	13419.4	24291.6	42713.5	73717.6	108099.2	143897.7	184019.2
0°	4406.5	5464.1	6981.7	9171.6	14771.9	26201.6	45697.2	76946.2	111916.0	148874.1	189879.9
-2.5°	4362.7	5319.1	6694.7	8868.0	14301.9	25857.0	43833.5	74287.9	108513.3	143158.0	179729.8
-5°	4163.4	4995.2	6227.7	8173.1	12679.1	22434.2	39335.6	67402.6	99227.7	130887.3	163427.3
-7.5°	3859.6	4579.2	5659.5	7330.8	10807.8	18489.2	32535.1	54490.6	81851.7	108909.9	134011.5
-10°	3545.8	4132.0	5007.6	6328.1	8808.3	14175.7	24108.4	40521.8	63275.9	85559.1	104795.1
-12.5°	3250.8	3687.3	4310.0	5229.5	6758.1	10612.2	18112.0	30087.0	45286.1	62418.4	79074.8
-15°	2975.7	3298.4	3745.6	4487.2	5710.6	7996.6	12068.1	20048.4	30739.3	42698.1	54212.0
-17.5°	2723.4	2989.5	3338.5	3860.6	4618.7	6032.3	8884.5	13447.1	19901.8	28408.1	36359.4
-20°	2497.4	2738.4	2999.4	3390.6	3972.7	4804.8	6209.0	9041.4	12766.2	18127.7	23386.1



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2320.4	2509.7	2712.5	3011.7	3497.1	4087.1	4785.1	5945.5	7995.7	10745.7	13860.2
-25°	2158.6	2298.8	2509.3	2831.3	3163.7	3557.3	3980.6	4446.0	5355.6	6240.1	7870.7
-27.5°	2004.8	2152.8	2372.0	2662.6	2965.9	3149.7	3420.4	3707.9	4143.0	4527.0	5176.6
-30°	1876.5	2031.9	2218.1	2463.3	2718.6	2891.7	3032.6	3240.6	3481.9	3722.7	4002.2
-32.5°	1635.5	1931.8	2060.8	2247.8	2477.7	2659.9	2784.6	2939.1	3068.0	3217.7	3369.5
-35°	1371.8	1698.6	1965.5	2086.4	2245.4	2447.9	2625.2	2749.3	2849.2	2941.5	3028.5
-37.5°	1073.4	1413.2	1704.6	1950.0	2095.5	2231.2	2419.1	2586.1	2706.3	2769.8	2826.4
-40°	959.8	1057.9	1365.8	1647.2	1866.2	2078.7	2225.2	2388.8	2527.7	2615.4	2681.1
-42.5°	940.4	990.8	1030.6	1243.9	1509.6	1737.3	1931.1	2122.1	2291.7	2417.6	2519.2
-45°	887.9	947.9	1003.8	1043.3	1084.1	1285.4	1501.8	1712.7	1904.2	2075.5	2225.3
-47.5°	803.1	874.7	934.4	991.7	1036.1	1071.2	1111.7	1178.9	1358.3	1534.4	1701.6
-50°	711.0	775.8	840.6	902.1	950.4	992.8	1031.9	1065.3	1098.9	1134.1	1167.6
-52.5°	619.9	677.8	735.4	789.5	840.9	889.3	934.4	967.5	995.8	1020.8	1039.6
-55°	548.2	591.3	633.2	679.1	724.7	767.5	806.7	842.5	875.1	904.2	926.6
-57.5°	469.0	511.3	551.5	585.7	619.1	651.3	684.5	716.3	744.4	768.7	788.5
-60°	386.3	422.4	458.2	491.9	524.0	554.3	581.5	606.6	629.2	648.7	663.2
-62.5°	306.5	335.0	367.1	396.5	422.3	447.0	475.1	500.3	522.8	541.4	555.3
-65°	246.1	266.5	289.6	312.4	334.7	358.8	383.2	404.9	424.0	439.6	452.0
-67.5°	179.4	199.5	221.9	242.3	261.1	281.5	304.9	326.4	346.0	361.8	374.7
-70°	120.9	135.2	153.0	172.0	190.4	209.8	231.1	251.7	271.4	286.4	298.6
-72.5°	72.5	81.9	91.4	103.8	116.9	132.8	150.7	168.7	186.5	199.4	209.6
-75°	35.5	39.2	47.1	54.3	60.9	69.4	78.5	87.1	95.1	100.9	105.7
-77.5°	28.7	30.5	32.3	34.0	35.7	39.4	43.9	48.6	53.4	57.1	60.7
-80°	22.1	23.2	24.4	25.7	27.0	29.9	33.0	36.1	39.2	41.6	43.8
-82.5°	15.4	16.0	16.5	17.1	17.6	19.6	21.8	23.8	25.8	27.7	29.5
-85°	10.4	10.6	10.7	10.9	11.0	13.0	15.2	17.3	19.5	21.3	23.1
-87.5°	8.3	8.4	8.4	8.4	8.5	10.2	11.9	13.6	15.2	16.9	18.5
-90°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.3	0.9



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	43.6	49.8	45.6	41.5	45.6	49.8	43.6	37.3	31.1	24.9	21.2
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
85°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.2	3.2
82.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.8
75°	3.7	3.3	4.1	5.0	4.1	3.3	3.7	4.1	4.5	4.7	5.0
72.5°	8.5	8.2	8.3	8.3	8.3	8.2	8.5	8.7	8.8	9.0	9.2
70°	9.9	9.9	10.0	10.0	10.0	9.9	9.9	9.9	9.9	10.5	11.9
67.5°	8.9	8.4	8.3	8.3	8.3	8.4	8.9	9.4	9.8	10.6	12.2
65°	6.8	6.7	6.6	6.6	6.6	6.7	6.8	7.0	7.4	8.6	10.3
62.5°	6.1	6.5	6.6	6.6	6.6	6.5	6.1	5.8	5.6	6.4	7.8
60°	5.1	5.1	5.0	5.0	5.0	5.1	5.1	5.1	5.0	5.5	6.3
57.5°	5.0	5.0	5.6	6.6	5.6	5.0	5.0	5.0	5.0	5.4	5.9
55°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.5	6.0
52.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.6	6.1
50°	6.3	6.5	6.6	6.6	6.6	6.5	6.3	6.1	6.1	6.3	6.4
47.5°	8.0	8.2	7.7	6.6	7.7	8.2	8.0	7.8	7.9	8.2	8.1
45°	10.4	10.2	10.0	10.0	10.0	10.2	10.4	10.4	12.3	13.0	11.2
42.5°	16.2	16.4	16.4	16.6	16.4	16.4	16.2	15.7	18.6	23.6	27.6
40°	28.7	29.4	29.6	29.9	29.6	29.4	28.7	27.3	26.4	24.7	27.7
37.5°	43.4	44.2	44.4	44.8	44.4	44.2	43.4	42.8	42.6	39.2	40.7
35°	73.3	73.0	70.6	71.4	70.6	73.0	73.3	73.5	71.0	63.0	68.1
32.5°	157.4	158.6	150.4	137.8	150.4	158.6	157.4	147.5	133.1	121.0	113.4
30°	304.2	330.2	347.7	348.7	347.7	330.2	304.2	274.7	235.4	203.9	176.5
27.5°	535.8	576.3	593.5	602.7	593.5	576.3	535.8	476.8	388.5	339.5	265.5
25°	1012.3	1105.2	1155.3	1117.4	1155.3	1105.2	1012.3	864.7	676.8	566.1	452.3
22.5°	2036.9	2214.5	2365.9	2374.3	2365.9	2214.5	2036.9	1686.1	1317.0	989.2	765.3
20°	4810.5	4770.1	5152.7	4961.1	5152.7	4770.1	4810.5	3804.6	3081.2	2150.7	1593.1
17.5°	13644.6	15153.8	15988.0	14846.6	15988.0	15153.8	13644.6	10548.6	8778.3	5899.1	3794.8
15°	31368.3	35133.5	37681.1	37355.7	37681.1	35133.5	31368.3	25771.9	20157.0	14259.4	8862.5
12.5°	58980.5	65167.8	70441.4	70220.2	70441.4	65167.8	58980.5	51681.0	38649.2	28431.2	18439.9
10°	102165.9	112952.8	123005.6	124053.0	123005.6	112952.8	102165.9	85740.9	67305.0	48851.2	31153.5
7.5°	141953.1	166244.0	180723.3	184438.2	180723.3	166244.0	141953.1	118988.5	93992.1	70250.4	47559.1
5°	191773.6	219903.4	235121.2	235527.3	235121.2	219903.4	191773.6	153494.7	121993.8	92078.5	62795.2
2.5°	228654.6	260340.9	279026.3	293483.5	279026.3	260340.9	228654.6	184019.2	143897.7	108099.2	73717.6
0°	239623.3	266949.0	297439.3	314391.2	297439.3	266949.0	239623.3	189879.9	148874.1	111916.0	76946.2
-2.5°	224925.9	253535.4	268671.0	282459.7	268671.0	253535.4	224925.9	179729.8	143158.0	108513.3	74287.9
-5°	197004.4	227306.5	241848.8	244953.0	241848.8	227306.5	197004.4	163427.3	130887.3	99227.7	67402.6
-7.5°	156756.7	178084.5	192806.9	198580.9	192806.9	178084.5	156756.7	134011.5	108909.9	81851.7	54490.6
-10°	122683.6	136455.6	143823.1	148722.1	143823.1	136455.6	122683.6	104795.1	85559.1	63275.9	40521.8
-12.5°	92499.9	102455.5	108233.6	110748.8	108233.6	102455.5	92499.9	79074.8	62418.4	45286.1	30087.0
-15°	65840.8	73718.6	77631.2	80122.4	77631.2	73718.6	65840.8	54212.0	42698.1	30739.3	20048.4
-17.5°	45109.7	51444.0	55054.4	57402.5	55054.4	51444.0	45109.7	36359.4	28408.1	19901.8	13447.1
-20°	28862.4	32634.0	35412.1	36221.7	35412.1	32634.0	28862.4	23386.1	18127.7	12766.2	9041.4



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16863.3	19084.1	20483.1	20800.6	20483.1	19084.1	16863.3	13860.2	10745.7	7995.7	5945.5
-25°	9169.0	10136.5	10870.5	11119.2	10870.5	10136.5	9169.0	7870.7	6240.1	5355.6	4446.0
-27.5°	5630.6	6004.7	6275.8	6415.5	6275.8	6004.7	5630.6	5176.6	4527.0	4143.0	3707.9
-30°	4235.2	4405.8	4507.7	4575.9	4507.7	4405.8	4235.2	4002.2	3722.7	3481.9	3240.6
-32.5°	3477.2	3553.6	3599.6	3631.1	3599.6	3553.6	3477.2	3369.5	3217.7	3068.0	2939.1
-35°	3097.3	3146.9	3180.9	3197.8	3180.9	3146.9	3097.3	3028.5	2941.5	2849.2	2749.3
-37.5°	2868.4	2899.7	2922.4	2935.5	2922.4	2899.7	2868.4	2826.4	2769.8	2706.3	2586.1
-40°	2712.4	2734.4	2752.5	2772.7	2752.5	2734.4	2712.4	2681.1	2615.4	2527.7	2388.8
-42.5°	2570.2	2602.7	2619.1	2623.3	2619.1	2602.7	2570.2	2519.2	2417.6	2291.7	2122.1
-45°	2340.0	2430.4	2486.0	2503.8	2486.0	2430.4	2340.0	2225.3	2075.5	1904.2	1712.7
-47.5°	1855.3	1990.6	2092.8	2155.1	2092.8	1990.6	1855.3	1701.6	1534.4	1358.3	1178.9
-50°	1198.8	1227.4	1238.7	1232.0	1238.7	1227.4	1198.8	1167.6	1134.1	1098.9	1065.3
-52.5°	1054.4	1065.9	1075.5	1082.5	1075.5	1065.9	1054.4	1039.6	1020.8	995.8	967.5
-55°	944.1	957.0	969.2	979.6	969.2	957.0	944.1	926.6	904.2	875.1	842.5
-57.5°	805.0	818.1	823.0	821.9	823.0	818.1	805.0	788.5	768.7	744.4	716.3
-60°	675.2	684.5	691.4	695.7	691.4	684.5	675.2	663.2	648.7	629.2	606.6
-62.5°	566.2	574.3	583.4	591.1	583.4	574.3	566.2	555.3	541.4	522.8	500.3
-65°	462.4	471.0	477.9	483.2	477.9	471.0	462.4	452.0	439.6	424.0	404.9
-67.5°	386.2	396.3	404.0	410.1	404.0	396.3	386.2	374.7	361.8	346.0	326.4
-70°	309.9	320.0	326.1	330.4	326.1	320.0	309.9	298.6	286.4	271.4	251.7
-72.5°	218.3	225.6	229.1	230.8	229.1	225.6	218.3	209.6	199.4	186.5	168.7
-75°	109.8	113.4	116.7	119.5	116.7	113.4	109.8	105.7	100.9	95.1	87.1
-77.5°	64.2	67.6	69.6	71.4	69.6	67.6	64.2	60.7	57.1	53.4	48.6
-80°	45.9	47.8	49.7	51.5	49.7	47.8	45.9	43.8	41.6	39.2	36.1
-82.5°	31.3	33.1	34.0	34.9	34.0	33.1	31.3	29.5	27.7	25.8	23.8
-85°	24.8	26.5	27.4	28.2	27.4	26.5	24.8	23.1	21.3	19.5	17.3
-87.5°	20.1	21.7	22.4	23.2	22.4	21.7	20.1	18.5	16.9	15.2	13.6
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	2.1



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	17.4	13.7	10.0	9.6	9.1	8.7	8.3	7.9	7.5	7.0	6.6
87.5°	2.5	2.9	3.3	3.7	4.2	4.6	5.0	5.0	5.0	5.0	5.0
85°	3.2	3.2	3.3	3.7	4.2	4.6	5.0	5.0	5.0	5.0	5.0
82.5°	3.3	3.3	3.3	3.8	4.2	4.6	5.0	5.2	5.2	5.3	5.2
80°	4.0	4.2	4.4	4.4	4.6	4.8	5.1	5.5	5.9	6.2	6.3
77.5°	4.2	4.7	5.0	5.2	5.3	5.3	5.2	5.5	5.9	6.3	6.6
75°	5.3	5.6	6.0	6.5	6.8	6.6	6.4	6.3	6.3	6.5	6.6
72.5°	9.3	9.3	9.7	10.7	11.2	11.7	11.6	10.7	9.5	7.8	6.6
70°	13.1	14.0	15.9	18.8	20.8	21.7	21.3	19.7	17.0	14.8	11.9
67.5°	13.8	15.6	18.6	22.2	25.1	27.8	30.3	32.4	31.5	28.4	20.5
65°	12.2	14.0	16.4	19.1	22.7	27.1	33.2	36.9	38.9	39.4	32.7
62.5°	9.4	11.3	12.6	14.5	17.2	21.6	28.9	35.4	41.3	43.0	36.6
60°	7.3	8.3	9.2	10.3	11.8	15.9	23.5	31.3	39.6	39.8	36.9
57.5°	6.3	6.9	7.6	8.1	8.3	11.6	17.6	25.4	34.0	33.9	32.9
55°	6.4	6.9	7.4	7.9	8.3	9.6	12.1	17.3	24.4	26.1	26.0
52.5°	6.5	7.0	7.5	8.0	8.3	8.7	9.5	12.5	15.1	17.9	19.1
50°	6.7	7.2	7.7	8.2	8.5	8.4	8.7	9.6	11.1	12.8	14.0
47.5°	8.1	8.1	8.0	8.4	9.0	9.2	8.9	8.7	9.8	10.2	11.3
45°	11.1	10.5	9.6	10.0	10.1	10.2	10.2	10.7	10.3	10.4	10.0
42.5°	23.5	17.5	13.7	14.9	14.0	13.3	12.6	13.7	13.2	11.9	12.8
40°	33.1	36.4	30.9	26.1	23.9	19.7	19.2	18.2	17.5	15.3	17.7
37.5°	40.8	39.8	48.1	50.0	42.2	35.3	30.2	26.3	23.4	24.0	25.3
35°	65.8	63.5	66.1	69.5	67.7	61.8	49.4	39.1	34.1	34.8	34.7
32.5°	105.8	101.7	96.1	95.7	99.3	95.9	80.6	60.4	52.2	49.0	46.1
30°	159.2	150.7	137.5	135.9	143.1	135.3	118.9	104.8	86.6	65.8	59.4
27.5°	247.4	217.1	197.7	204.3	202.3	188.3	176.2	161.8	131.0	98.8	79.8
25°	396.4	338.3	314.8	303.7	282.9	270.6	251.8	226.7	190.2	149.4	130.8
22.5°	608.6	559.0	496.1	430.6	433.8	411.5	350.9	298.6	285.3	285.6	225.7
20°	1106.8	935.9	769.8	746.5	712.2	606.4	482.0	473.9	520.0	477.7	352.9
17.5°	2570.5	1772.9	1421.0	1331.1	1142.0	909.7	868.8	825.6	799.4	715.8	505.0
15°	4959.4	3627.9	2695.1	2200.2	1800.2	1567.3	1450.5	1227.5	1122.3	980.7	731.5
12.5°	11096.5	6799.3	4138.0	3352.3	2763.3	2336.6	2092.8	1756.8	1489.2	1318.3	1070.2
10°	18670.8	11437.6	6891.2	4873.6	3879.4	3179.1	2688.9	2242.2	1875.9	1678.2	1419.0
7.5°	29167.5	17305.1	10005.9	6389.8	4900.6	3876.6	3175.1	2663.1	2249.2	2028.9	1770.4
5°	37616.5	21838.2	12046.9	7589.4	5787.6	4554.2	3666.2	3043.2	2608.8	2369.7	2115.3
2.5°	42713.5	24291.6	13419.4	8663.7	6558.6	5130.7	4091.9	3330.4	2864.8	2568.1	2290.8
0°	45697.2	26201.6	14771.9	9171.6	6981.7	5464.1	4406.5	3539.8	3066.6	2729.6	2442.3
-2.5°	43833.5	25857.0	14301.9	8868.0	6694.7	5319.1	4362.7	3604.6	3141.5	2785.2	2449.0
-5°	39335.6	22434.2	12679.1	8173.1	6227.7	4995.2	4163.4	3540.3	3123.3	2794.4	2424.3
-7.5°	32535.1	18489.2	10807.8	7330.8	5659.5	4579.2	3859.6	3327.0	2934.8	2648.3	2274.1
-10°	24108.4	14175.7	8808.3	6328.1	5007.6	4132.0	3545.8	3084.5	2742.8	2496.2	2100.7
-12.5°	18112.0	10612.2	6758.1	5229.5	4310.0	3687.3	3250.8	2829.0	2552.6	2342.0	1908.7
-15°	12068.1	7996.6	5710.6	4487.2	3745.6	3298.4	2975.7	2615.0	2409.6	2195.1	1701.5
-17.5°	8884.5	6032.3	4618.7	3860.6	3338.5	2989.5	2723.4	2462.2	2263.7	2009.3	1481.4
-20°	6209.0	4804.8	3972.7	3390.6	2999.4	2738.4	2497.4	2301.4	2102.2	1748.2	1258.4



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4785.1	4087.1	3497.1	3011.7	2712.5	2509.7	2320.4	2141.8	1926.5	1472.8	1040.2
-25°	3980.6	3557.3	3163.7	2831.3	2509.3	2298.8	2158.6	1989.8	1661.6	1212.5	855.0
-27.5°	3420.4	3149.7	2965.9	2662.6	2372.0	2152.8	2004.8	1818.3	1401.4	1014.7	818.7
-30°	3032.6	2891.7	2718.6	2463.3	2218.1	2031.9	1876.5	1538.8	1170.8	861.3	799.2
-32.5°	2784.6	2659.9	2477.7	2247.8	2060.8	1931.8	1635.5	1273.5	940.1	839.4	772.1
-35°	2625.2	2447.9	2245.4	2086.4	1965.5	1698.6	1371.8	1026.5	874.4	811.8	740.4
-37.5°	2419.1	2231.2	2095.5	1950.0	1704.6	1413.2	1073.4	918.5	849.8	775.5	698.8
-40°	2225.2	2078.7	1866.2	1647.2	1365.8	1057.9	959.8	900.0	817.2	731.6	650.6
-42.5°	1931.1	1737.3	1509.6	1243.9	1030.6	990.8	940.4	858.8	772.5	681.9	600.5
-45°	1501.8	1285.4	1084.1	1043.3	1003.8	947.9	887.9	800.5	710.1	626.6	548.0
-47.5°	1111.7	1071.2	1036.1	991.7	934.4	874.7	803.1	724.3	643.3	567.1	505.0
-50°	1031.9	992.8	950.4	902.1	840.6	775.8	711.0	645.7	576.7	516.9	457.7
-52.5°	934.4	889.3	840.9	789.5	735.4	677.8	619.9	572.2	518.8	461.4	404.8
-55°	806.7	767.5	724.7	679.1	633.2	591.3	548.2	502.9	454.0	400.8	350.1
-57.5°	684.5	651.3	619.1	585.7	551.5	511.3	469.0	426.8	385.0	338.0	294.3
-60°	581.5	554.3	524.0	491.9	458.2	422.4	386.3	349.4	312.0	281.2	249.3
-62.5°	475.1	447.0	422.3	396.5	367.1	335.0	306.5	282.5	257.8	231.1	200.0
-65°	383.2	358.8	334.7	312.4	289.6	266.5	246.1	223.6	199.9	175.3	148.1
-67.5°	304.9	281.5	261.1	242.3	221.9	199.5	179.4	159.4	141.8	124.1	102.5
-70°	231.1	209.8	190.4	172.0	153.0	135.2	120.9	107.0	91.9	78.3	63.9
-72.5°	150.7	132.8	116.9	103.8	91.4	81.9	72.5	62.7	52.3	41.4	33.3
-75°	78.5	69.4	60.9	54.3	47.1	39.2	35.5	33.6	31.6	29.3	26.7
-77.5°	43.9	39.4	35.7	34.0	32.3	30.5	28.7	26.8	25.0	23.2	21.6
-80°	33.0	29.9	27.0	25.7	24.4	23.2	22.1	20.7	19.5	18.3	17.3
-82.5°	21.8	19.6	17.6	17.1	16.5	16.0	15.4	14.9	14.4	14.1	13.8
-85°	15.2	13.0	11.0	10.9	10.7	10.6	10.4	10.5	10.5	10.5	10.4
-87.5°	11.9	10.2	8.5	8.4	8.4	8.4	8.3	8.2	8.1	8.0	7.8
-90°	2.5	2.9	3.3	3.7	4.2	4.6	5.0	5.0	5.0	5.0	5.0



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	5.3	5.5	5.7	5.9	6.0	6.2	6.4	6.6	6.6	6.6	6.6
85°	5.4	5.8	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	5.5	5.8	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	6.3	6.3	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
75°	6.6	6.6	6.6	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.6
72.5°	6.6	6.6	6.6	6.8	7.1	7.1	6.9	6.6	6.6	6.6	6.6
70°	9.1	7.0	6.6	6.7	7.1	7.6	7.6	7.2	6.6	6.6	6.6
67.5°	13.4	10.2	8.0	6.8	6.8	7.3	8.1	7.8	7.2	6.6	6.6
65°	23.5	15.7	9.8	8.1	7.0	6.8	7.4	8.1	7.8	7.2	6.6
62.5°	30.2	23.1	15.8	10.4	7.7	6.8	6.8	7.7	8.2	7.7	6.9
60°	33.2	26.6	21.2	15.6	10.2	7.0	6.7	7.3	8.0	8.2	7.4
57.5°	30.3	28.3	24.2	19.7	14.4	8.9	6.8	7.2	7.8	8.2	7.8
55°	25.6	24.8	25.5	22.1	17.6	12.3	7.9	7.3	7.7	8.2	8.3
52.5°	19.0	21.8	24.2	23.4	19.5	15.2	10.5	7.4	7.8	8.1	8.3
50°	14.0	18.1	22.7	23.7	21.1	16.8	12.7	9.0	7.9	8.2	8.4
47.5°	13.0	16.4	20.2	24.0	22.5	18.4	14.3	10.4	8.0	8.3	8.5
45°	13.4	16.3	19.0	22.4	24.0	19.7	15.6	11.4	8.8	8.5	8.7
42.5°	14.8	17.4	19.5	21.4	22.9	20.5	16.9	12.5	9.4	8.7	8.9
40°	19.2	19.6	20.7	22.5	22.2	21.1	17.5	13.6	9.7	9.1	9.1
37.5°	25.0	24.0	23.4	25.8	23.1	21.0	17.7	14.5	10.8	9.8	9.3
35°	33.4	30.5	29.1	31.1	27.8	21.6	17.7	15.1	12.5	10.5	9.6
32.5°	43.0	41.1	39.4	37.2	34.4	22.7	18.1	16.5	14.3	11.2	10.0
30°	57.8	60.1	52.0	44.1	41.9	28.9	20.5	18.4	16.1	12.0	10.4
27.5°	90.3	85.0	67.9	55.2	48.5	37.2	25.5	20.5	18.0	13.1	11.0
25°	132.4	118.1	92.5	68.9	55.6	60.3	31.5	23.1	19.8	14.6	11.7
22.5°	183.1	158.7	121.0	83.7	87.7	90.4	44.2	27.9	21.8	16.2	12.3
20°	240.3	205.3	163.3	139.2	128.1	119.2	66.5	33.1	23.9	17.7	13.0
17.5°	312.3	292.3	265.1	211.7	174.2	151.0	92.4	38.7	26.1	19.1	13.6
15°	511.4	426.3	378.0	292.8	223.5	185.1	121.3	44.6	28.4	20.6	14.3
12.5°	751.5	562.9	499.1	380.5	275.1	221.1	152.2	50.7	30.8	22.2	15.2
10°	1008.6	701.1	625.7	472.5	328.2	258.2	183.9	58.1	34.7	23.9	16.2
7.5°	1274.1	839.9	755.1	566.4	380.9	295.2	218.9	68.4	39.0	25.6	17.2
5°	1513.6	957.0	858.8	646.3	428.2	330.7	252.9	78.7	43.3	27.2	18.1
2.5°	1628.9	1039.0	941.0	719.8	473.6	364.6	284.4	88.7	47.5	28.6	19.1
0°	1720.1	1117.4	1016.1	787.0	516.4	396.8	312.1	98.0	51.5	29.9	19.9
-2.5°	1728.9	1115.4	1006.1	786.0	531.6	409.6	318.0	112.2	63.3	37.9	23.8
-5°	1711.1	1109.0	989.4	778.2	543.3	419.8	319.5	125.4	74.5	45.6	27.4
-7.5°	1610.2	1072.1	956.9	762.7	551.4	427.2	317.3	137.4	85.0	52.8	30.7
-10°	1472.1	1016.2	904.9	728.1	542.4	426.1	311.6	148.1	94.6	59.2	33.7
-12.5°	1311.3	959.1	852.4	690.8	528.1	418.2	301.7	157.9	103.2	64.7	36.1
-15°	1128.7	901.7	801.1	652.4	511.2	408.7	290.5	166.4	111.0	69.8	38.0
-17.5°	931.6	844.7	752.6	613.9	492.0	398.0	278.9	173.2	117.7	74.6	40.2
-20°	871.8	800.6	707.0	576.6	470.6	386.3	267.5	178.2	123.2	78.2	42.2



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	837.7	765.4	666.7	547.6	450.4	373.8	256.9	181.3	127.5	80.4	43.3
-25°	804.4	729.9	628.2	522.2	433.9	355.9	252.9	182.6	130.4	81.3	43.4
-27.5°	766.4	692.1	589.8	494.9	418.1	340.9	253.1	185.1	131.8	80.8	42.4
-30°	727.1	648.6	556.1	468.4	400.7	322.8	250.8	186.0	130.8	79.4	40.3
-32.5°	695.0	606.7	522.2	447.6	379.7	303.8	241.3	185.1	127.9	76.9	38.8
-35°	656.1	569.2	487.9	425.3	356.9	288.1	228.6	182.5	122.8	72.7	36.8
-37.5°	614.2	532.0	462.2	400.8	333.3	270.2	216.9	170.2	115.7	66.9	33.9
-40°	570.8	496.5	435.6	374.3	310.8	250.3	203.5	155.2	107.4	59.5	30.0
-42.5°	525.5	464.6	404.8	346.7	286.9	233.8	188.2	138.6	94.3	52.9	25.1
-45°	487.5	428.7	370.7	315.7	261.7	215.6	168.1	120.7	79.7	46.1	21.4
-47.5°	445.6	388.4	334.4	282.6	239.3	194.5	146.2	103.1	64.1	38.0	20.4
-50°	398.7	346.1	296.2	252.8	213.8	168.3	123.3	84.3	52.9	28.2	19.1
-52.5°	351.4	302.7	260.9	223.4	182.9	140.3	101.0	65.1	41.2	23.7	17.7
-55°	302.2	262.9	227.4	189.5	149.9	113.1	77.4	51.4	29.0	21.5	16.1
-57.5°	259.5	225.2	189.3	152.6	118.1	85.3	58.4	37.1	24.2	19.2	15.1
-60°	216.9	182.3	148.4	117.0	86.6	61.5	42.0	26.2	21.6	17.1	14.0
-62.5°	168.8	138.2	109.6	81.8	60.5	42.8	27.5	23.2	18.9	15.7	12.8
-65°	123.2	97.2	71.5	55.6	39.6	27.6	24.1	20.2	17.1	14.3	11.7
-67.5°	79.7	62.9	47.0	32.6	27.0	23.8	20.6	18.0	15.4	12.8	10.8
-70°	49.2	35.2	28.7	25.7	22.9	20.2	18.3	16.1	13.7	11.8	10.0
-72.5°	30.1	26.9	23.9	21.2	19.6	17.8	16.1	14.3	12.6	10.9	9.1
-75°	24.0	22.0	20.1	18.5	17.0	15.5	14.3	13.0	11.4	9.8	8.8
-77.5°	20.0	18.5	17.1	15.8	14.6	13.6	12.7	11.8	10.4	9.4	8.6
-80°	16.3	15.2	14.1	13.0	12.2	11.6	11.1	10.5	9.5	8.9	8.4
-82.5°	13.0	12.1	11.3	10.7	10.3	9.9	9.6	9.2	8.7	8.3	8.1
-85°	9.9	9.5	9.1	8.8	8.5	8.3	8.2	8.0	7.9	7.8	7.6
-87.5°	7.7	7.7	7.6	7.6	7.5	7.4	7.4	7.3	7.3	7.2	7.1
-90°	5.0	5.0	5.0	5.0	5.4	5.8	6.2	6.6	6.6	6.6	6.6



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
85°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
75°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
72.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
70°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
67.5°	6.7	6.6	6.6	6.6	6.6	6.6	6.6
65°	6.7	6.7	6.6	6.6	6.6	6.6	6.6
62.5°	6.8	6.8	6.6	6.6	6.6	6.6	6.6
60°	6.9	6.9	6.6	6.6	6.6	6.6	6.6
57.5°	7.2	7.1	6.8	6.6	6.6	6.6	6.6
55°	7.6	7.3	6.9	6.6	6.6	6.6	6.6
52.5°	7.9	7.5	7.1	6.6	6.7	6.6	6.6
50°	8.1	7.7	7.3	6.6	6.7	6.6	6.6
47.5°	8.3	7.8	7.5	6.6	6.8	6.6	6.6
45°	8.5	8.0	7.7	6.8	6.8	6.6	6.6
42.5°	8.6	8.1	7.9	7.0	6.9	6.6	6.6
40°	8.8	8.2	8.1	7.1	6.9	6.6	6.6
37.5°	9.0	8.3	8.1	7.3	7.0	6.6	6.6
35°	9.3	8.4	8.2	7.5	7.1	6.6	6.6
32.5°	9.5	8.6	8.3	7.7	7.1	6.6	6.6
30°	9.8	8.8	8.3	7.8	7.2	6.6	6.6
27.5°	10.0	9.0	8.3	7.9	7.3	6.6	6.6
25°	10.3	9.2	8.3	8.0	7.4	6.6	6.6
22.5°	10.6	9.3	8.3	8.1	7.5	6.6	6.6
20°	10.9	9.5	8.3	8.1	7.6	6.6	6.6
17.5°	11.1	9.6	8.3	8.2	7.7	6.6	6.6
15°	11.3	9.7	8.3	8.2	7.8	6.6	6.6
12.5°	11.4	9.8	8.3	8.3	7.9	6.6	6.6
10°	11.5	9.9	8.3	8.3	8.0	6.6	6.6
7.5°	11.5	9.9	8.3	8.3	8.1	6.6	6.6
5°	11.6	10.0	8.3	8.3	8.1	6.6	6.6
2.5°	11.6	10.0	8.3	8.3	8.2	6.6	6.6
0°	11.6	10.0	8.3	8.3	8.3	6.6	6.6
-2.5°	13.1	10.4	8.4	8.3	8.3	6.6	6.6
-5°	14.6	10.7	8.6	8.3	8.3	6.6	6.6
-7.5°	16.0	11.0	8.7	8.3	8.3	6.6	6.6
-10°	17.2	11.3	8.9	8.3	8.2	6.6	6.6
-12.5°	18.3	11.5	9.0	8.3	8.2	6.6	6.6
-15°	19.1	11.7	9.1	8.3	8.2	6.6	6.6
-17.5°	19.7	11.8	9.1	8.3	8.1	6.6	6.6
-20°	20.2	11.9	9.2	8.3	8.1	6.6	6.6



REPORT NUMBER: P731580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.9	11.9	9.2	8.3	8.0	6.6	6.6
-25°	21.0	12.1	9.2	8.3	8.0	6.6	6.6
-27.5°	20.5	12.1	9.2	8.3	7.9	6.6	6.6
-30°	19.5	12.1	9.1	8.3	7.8	6.6	6.6
-32.5°	17.8	12.1	9.1	8.3	7.8	6.6	6.6
-35°	17.1	11.9	9.1	8.3	7.7	6.6	6.6
-37.5°	16.8	11.7	9.0	8.3	7.6	6.6	6.6
-40°	16.4	11.6	8.9	8.3	7.5	6.6	6.6
-42.5°	15.8	11.4	8.9	8.3	7.4	6.6	6.6
-45°	15.1	11.1	8.9	8.3	7.3	6.6	6.6
-47.5°	14.3	10.8	8.9	8.3	7.2	6.6	6.6
-50°	13.7	10.5	8.8	8.2	7.1	6.6	6.6
-52.5°	13.1	10.0	8.7	8.0	7.0	6.6	6.6
-55°	12.5	9.8	8.6	7.9	6.8	6.6	6.6
-57.5°	11.7	9.5	8.5	7.7	6.7	6.6	6.6
-60°	10.9	9.2	8.3	7.6	6.6	6.6	6.6
-62.5°	10.4	8.9	8.1	7.4	6.6	6.6	6.6
-65°	9.8	8.5	8.0	7.3	6.6	6.6	6.6
-67.5°	9.1	8.2	7.8	7.1	6.6	6.6	6.6
-70°	8.4	8.1	7.7	7.0	6.6	6.6	6.6
-72.5°	8.3	8.0	7.6	6.9	6.6	6.6	6.6
-75°	8.3	7.9	7.4	6.9	6.6	6.6	6.6
-77.5°	8.3	7.9	7.3	6.9	6.6	6.6	6.6
-80°	8.3	7.7	7.2	6.8	6.6	6.6	6.6
-82.5°	7.9	7.4	7.0	6.8	6.6	6.6	6.6
-85°	7.5	7.1	6.9	6.7	6.6	6.6	6.6
-87.5°	7.0	6.9	6.7	6.7	6.6	6.6	6.6
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6

(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

