

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: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-1S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
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-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

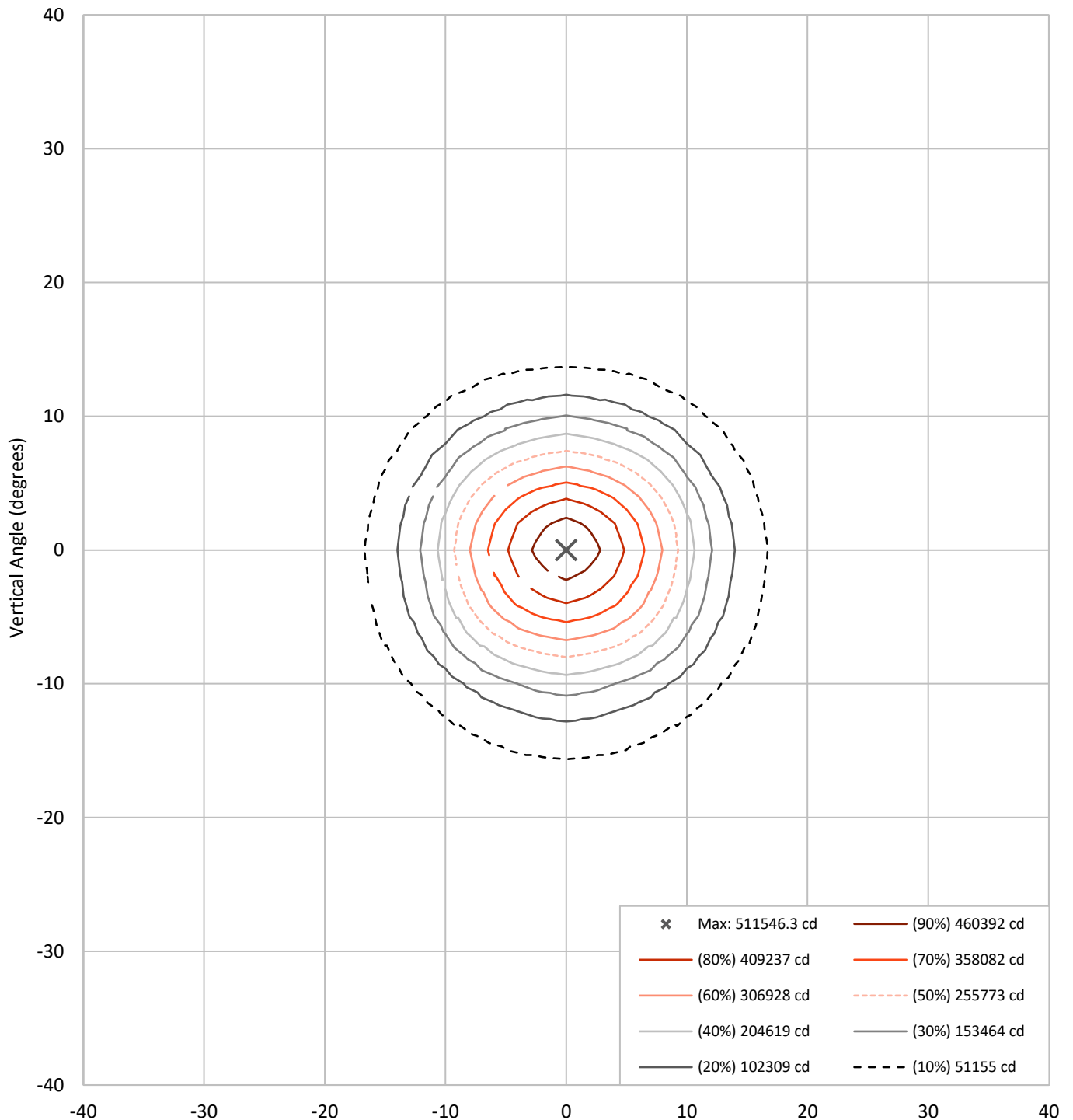
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	52591.8 lumens	Max Intensity:	511546.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	24254.7 lumens	Field Lumens:	44747.4 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

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-CV5

Iso-Candela Plot





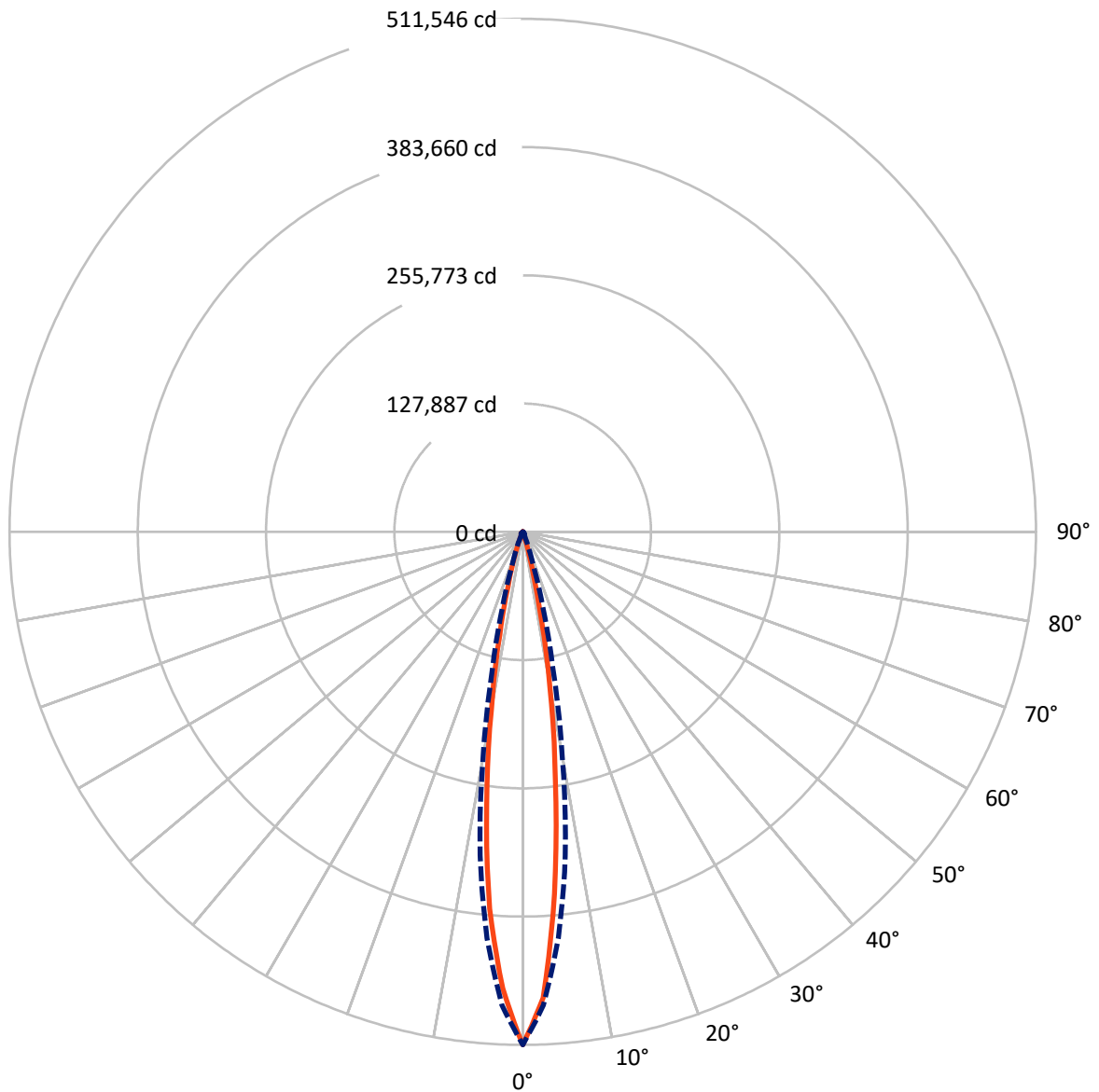
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Lumen Table

90	0.1	0.4	0.6	0.6	0.8	0.6	0.6	0.4	0.1									
80	0.1	0.4	0.6	0.6	0.8	0.6	0.6	0.4	0.1									
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.1	0.2		
60		0.1	0.3	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.3	0.1			
50	0.2	0.2	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.2	0.2		
40		0.3	0.6	0.8	1.4	1.9	2.0	2.3	2.3	2.0	1.9	1.4	0.8	0.6	0.3			
30	0.3	0.5	1.3	3.1	5.9	6.7	9.5	19.1	19.1	9.5	6.7	5.9	3.1	1.3	0.5	0.3		
20		1.0	4.2	14.4	26.8	35.6	263.7	1098.2	1098.2	263.7	35.6	26.8	14.4	4.2	1.0			
10	0.4	1.7	8.5	36.1	58.5	133.0	1934.5	8382.7	8382.7	1934.5	133.0	58.5	36.1	8.5	1.7	0.4		
0		2.1	9.9	41.6	68.5	136.2	2076.2	8761.8	8761.8	2076.2	136.2	68.5	41.6	9.9	2.1			
-10	0.5	2.3	8.6	31.4	56.6	62.3	442.8	1719.8	1719.8	442.8	62.3	56.6	31.4	8.6	2.3	0.5		
-20		2.2	7.4	17.6	45.6	52.7	58.1	113.2	113.2	58.1	52.7	45.6	17.6	7.4	2.2			
-30	0.4	1.9	6.3	11.2	27.9	52.7	61.6	62.2	62.2	61.6	52.7	27.9	11.2	6.3	1.9	0.4		
-40		1.3	4.7	9.6	15.1	26.6	44.9	58.9	58.9	44.9	26.6	15.1	9.6	4.7	1.3			
-50	0.3	0.6	2.6	6.3	11.3	15.6	18.4	20.5	20.5	18.4	15.6	11.3	6.3	2.6	0.6	0.3		
-60		0.3	0.9	2.6	5.0	7.8	10.3	12.2	12.2	10.3	7.8	5.0	2.6	0.9	0.3			
-70	0.2	0.9	2.3	5.5	9.2	5.5	2.3	0.9	0.2							0.2		
-80		0.2	0.9	2.3	5.5	9.2	5.5	2.3	0.9	0.2								
-90	0.2	0.9	2.3	5.5	9.2	5.5	2.3	0.9	0.2									

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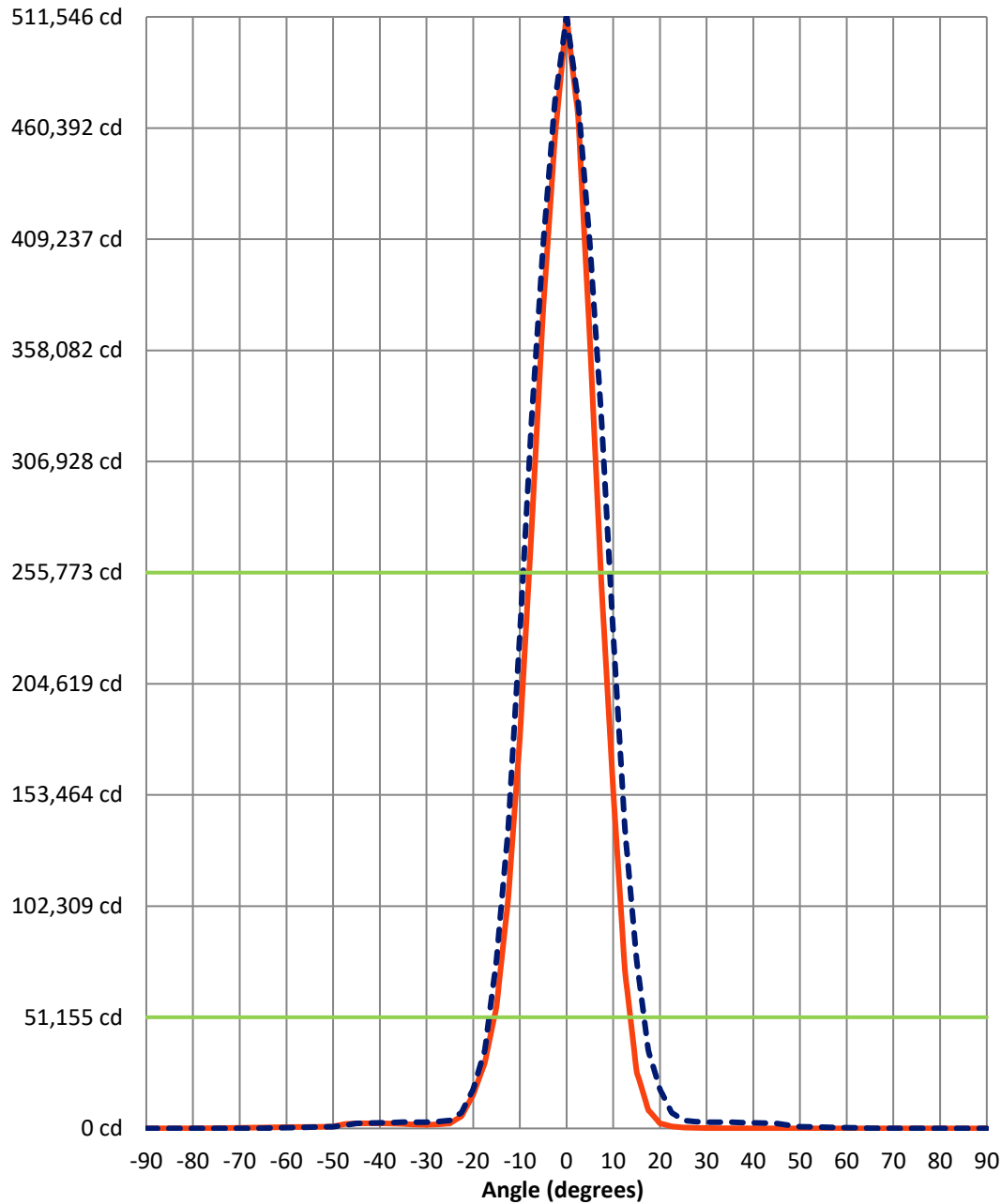
Luminous Intensity Polar Plot



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

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CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

Luminous Intensity Plot



Beam:
H Angle: 18.6°
V Angle: 15.4°
Lumens: 24254.7
Efficiency: 46.1%

Field:
H Angle: 33.2°
V Angle: 29.1°
Lumens: 44747.4
Efficiency: 85.1%

Spill:
Lumens: 7844.4
Efficiency: 14.9%

— 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°	6.5	6.5	6.5	6.8	7.2	7.5	7.8	7.8	7.8	7.8	7.8
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
85°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
82.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
80°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
77.5°	6.5	6.5	6.5	6.5	6.5	6.6	6.5	6.5	6.5	6.5	6.5
75°	6.5	6.5	6.5	6.5	6.5	6.7	6.6	6.5	6.5	6.6	6.6
72.5°	6.5	6.5	6.5	6.5	6.8	6.9	6.6	6.6	6.8	6.8	6.6
70°	6.5	6.5	6.5	6.5	7.0	7.1	6.8	6.9	7.0	7.0	7.1
67.5°	6.5	6.5	6.5	6.8	7.3	7.3	7.1	7.2	7.3	7.5	7.7
65°	6.5	6.5	6.5	7.1	7.6	7.6	7.5	7.6	7.8	8.0	8.1
62.5°	6.5	6.5	6.5	7.3	7.8	7.9	7.9	8.0	8.2	8.5	8.3
60°	6.5	6.5	6.5	7.6	8.1	8.2	8.3	8.4	8.7	8.8	8.5
57.5°	6.5	6.5	6.7	7.9	8.4	8.5	8.7	8.8	9.1	9.1	9.0
55°	6.5	6.5	6.8	8.1	8.6	8.8	9.2	9.3	9.5	9.5	9.7
52.5°	6.5	6.5	7.0	8.4	8.9	9.2	9.6	9.8	9.9	10.1	10.3
50°	6.5	6.5	7.2	8.7	9.1	9.6	10.1	10.4	10.4	10.6	11.9
47.5°	6.5	6.5	7.3	9.0	9.4	10.0	10.7	11.1	10.8	11.2	13.5
45°	6.5	6.5	7.4	9.2	9.6	10.5	11.3	11.8	11.6	12.5	15.0
42.5°	6.5	6.5	7.5	9.4	9.9	10.9	12.0	12.6	12.5	13.7	16.6
40°	6.5	6.5	7.6	9.4	10.2	11.4	12.7	13.4	13.7	15.0	17.9
37.5°	6.5	6.5	7.7	9.5	10.5	11.9	13.4	14.3	15.1	16.7	19.0
35°	6.5	6.5	7.8	9.5	10.9	12.4	14.2	15.3	16.6	18.5	19.8
32.5°	6.5	6.5	7.9	9.5	11.2	13.0	15.0	16.3	18.0	20.6	22.0
30°	6.5	6.5	7.9	9.6	11.6	13.6	15.8	17.3	19.4	22.8	24.4
27.5°	6.5	6.5	8.0	9.6	11.7	14.2	16.6	18.5	21.0	25.1	27.2
25°	6.5	6.5	8.0	9.6	11.7	14.9	17.5	19.7	22.9	27.4	30.2
22.5°	6.5	6.5	8.0	9.6	11.7	15.3	18.3	20.9	24.8	29.9	34.9
20°	6.5	6.5	8.0	9.5	11.7	15.2	19.2	22.0	26.8	32.5	39.9
17.5°	6.5	6.5	8.0	9.5	11.6	15.1	19.3	23.0	28.8	35.1	45.1
15°	6.5	6.5	8.0	9.5	11.5	15.0	19.0	23.5	30.7	37.9	50.6
12.5°	6.5	6.5	8.0	9.4	11.4	14.7	18.5	23.1	31.6	40.6	56.1
10°	6.5	6.5	8.0	9.4	11.2	14.5	18.1	22.8	31.6	41.9	61.4
7.5°	6.5	6.5	7.9	9.3	11.0	14.2	17.5	22.4	31.4	43.0	66.3
5°	6.5	6.5	7.9	9.3	10.8	13.8	16.9	21.9	31.0	44.0	71.0
2.5°	6.5	6.5	7.9	9.2	10.6	13.4	16.3	21.4	30.5	44.8	75.5
0°	6.5	6.5	7.8	9.1	10.4	13.0	15.6	20.8	29.9	45.5	79.4
-2.5°	6.5	6.5	7.8	9.1	10.5	13.1	16.3	23.0	35.3	54.5	91.8
-5°	6.5	6.6	7.8	9.1	10.6	13.2	16.9	25.1	40.3	63.0	103.2
-7.5°	6.5	6.6	7.8	9.1	10.7	13.3	17.5	27.0	45.0	70.9	113.7
-10°	6.5	6.6	7.8	9.0	10.7	13.4	17.9	28.6	49.0	78.0	122.9
-12.5°	6.5	6.6	7.8	9.0	10.8	13.4	18.3	29.9	52.3	84.3	131.7
-15°	6.5	6.7	7.7	9.0	10.8	13.4	18.5	30.8	55.7	90.7	139.3
-17.5°	6.5	6.7	7.7	8.9	10.8	13.4	18.6	32.3	59.3	96.1	145.3
-20°	6.5	6.7	7.7	8.9	10.8	13.3	18.9	33.9	61.9	100.3	149.4



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.5	6.7	7.7	8.8	10.7	13.3	19.4	34.8	63.4	103.2	151.7
-25°	6.5	6.7	7.7	8.7	10.6	13.4	19.6	35.0	63.8	104.8	151.9
-27.5°	6.5	6.8	7.6	8.7	10.5	13.5	19.5	34.2	62.9	105.1	153.1
-30°	6.5	6.8	7.6	8.6	10.3	13.6	19.0	32.6	61.7	103.9	152.7
-32.5°	6.5	6.8	7.6	8.5	10.3	13.5	18.1	31.6	59.8	100.9	150.5
-35°	6.5	6.8	7.6	8.4	10.2	13.5	17.8	30.6	56.5	96.2	146.5
-37.5°	6.5	6.8	7.6	8.3	10.1	13.3	17.6	28.9	51.9	89.7	135.4
-40°	6.5	6.8	7.6	8.2	10.0	13.2	17.4	26.7	46.0	82.8	122.7
-42.5°	6.5	6.8	7.6	8.1	9.9	13.0	17.0	23.9	41.5	72.7	108.6
-45°	6.5	6.8	7.6	8.1	9.9	12.8	16.5	21.7	37.5	61.3	93.7
-47.5°	6.5	6.8	7.6	8.0	9.9	12.5	15.9	20.9	32.8	49.2	80.0
-50°	6.5	6.8	7.6	8.1	9.8	12.1	15.4	20.0	26.7	42.4	65.4
-52.5°	6.5	6.8	7.6	8.1	9.7	11.8	14.9	18.9	23.7	35.1	50.7
-55°	6.5	6.8	7.6	8.2	9.5	11.6	14.4	17.8	22.0	27.5	42.0
-57.5°	6.5	6.8	7.6	8.2	9.4	11.3	13.8	17.0	20.3	24.2	32.9
-60°	6.5	6.8	7.6	8.2	9.2	11.1	13.2	16.2	18.6	22.1	25.7
-62.5°	6.5	6.8	7.6	8.2	9.2	10.8	12.8	15.2	17.5	20.0	23.4
-65°	6.5	6.7	7.5	8.2	9.1	10.5	12.4	14.3	16.4	18.6	21.0
-67.5°	6.5	6.7	7.4	8.1	8.9	10.2	11.9	13.7	15.3	17.3	19.3
-70°	6.5	6.7	7.3	8.1	8.8	9.9	11.4	13.0	14.5	16.0	17.8
-72.5°	6.5	6.7	7.2	8.0	8.6	9.6	10.9	12.3	13.7	15.1	16.4
-75°	6.5	6.7	7.1	7.8	8.4	9.2	10.4	11.6	12.9	14.2	15.4
-77.5°	6.5	6.6	7.0	7.6	8.2	8.9	9.8	10.8	11.9	13.2	14.4
-80°	6.5	6.6	6.9	7.5	8.0	8.6	9.1	10.0	10.9	11.9	13.0
-82.5°	6.5	6.6	6.8	7.3	7.8	8.3	8.8	9.2	9.8	10.6	11.4
-85°	6.5	6.6	6.7	7.2	7.6	8.0	8.5	8.8	9.1	9.5	10.0
-87.5°	6.5	6.5	6.6	7.0	7.4	7.8	8.1	8.3	8.5	8.7	8.9
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.8	7.8	7.8	7.8	8.1	8.5	8.8	9.1	9.1	9.1	9.1
87.5°	6.2	5.9	5.5	5.2	4.9	4.6	4.2	3.9	3.9	3.9	3.9
85°	6.2	5.9	5.5	5.2	5.0	4.7	4.6	4.4	4.4	4.3	4.1
82.5°	6.2	5.9	5.6	5.2	5.1	5.2	5.2	5.2	4.9	4.6	4.3
80°	6.2	5.9	5.7	5.6	5.6	5.6	5.5	5.2	4.9	4.7	4.5
77.5°	6.3	6.2	6.2	6.3	6.3	6.0	5.9	5.9	5.8	5.7	5.6
75°	6.4	6.5	6.6	6.6	6.4	6.4	6.5	6.5	6.4	6.3	6.3
72.5°	6.7	6.9	6.8	6.7	6.5	6.5	6.5	6.5	7.3	8.5	9.5
70°	7.2	7.3	7.0	6.7	6.5	6.9	8.4	10.1	11.9	13.7	15.9
67.5°	7.7	7.4	7.1	7.0	8.0	9.7	11.7	16.5	22.3	24.7	25.7
65°	7.8	7.5	7.8	8.8	10.2	13.7	18.9	25.6	32.9	34.2	33.4
62.5°	7.9	8.2	9.1	10.9	13.7	18.3	24.9	32.4	40.7	40.9	35.7
60°	8.4	8.9	10.9	13.9	17.2	22.4	30.0	35.8	41.8	44.2	33.8
57.5°	9.1	10.5	13.5	17.1	21.3	25.0	29.2	34.8	37.2	37.1	27.4
55°	10.3	12.6	16.4	20.9	24.0	23.2	26.0	27.9	28.3	26.4	19.1
52.5°	12.3	15.0	19.7	23.6	24.3	21.9	20.3	21.3	20.0	17.1	14.9
50°	14.3	18.1	22.8	25.3	23.9	19.6	16.2	16.3	15.4	14.1	12.7
47.5°	16.5	20.9	25.4	26.5	22.0	18.7	15.7	14.5	13.9	13.3	12.2
45°	18.6	22.9	27.7	24.8	21.3	19.4	17.0	14.3	14.3	13.9	13.9
42.5°	20.4	24.4	26.4	23.2	22.7	21.3	19.3	16.7	15.7	16.3	16.6
40°	21.5	25.6	25.4	25.4	24.9	24.2	22.7	20.7	18.5	20.0	20.7
37.5°	22.3	25.4	26.2	29.0	28.1	27.9	26.9	27.1	25.6	24.8	27.9
35°	22.8	26.0	30.5	33.9	33.5	32.3	34.0	35.1	34.5	33.5	38.4
32.5°	23.5	27.3	36.0	39.7	41.0	40.2	42.4	44.4	46.5	49.1	57.0
30°	26.0	32.4	42.2	46.2	50.3	54.9	53.9	55.5	61.2	79.7	97.0
27.5°	31.0	39.0	48.5	54.9	62.1	73.0	75.4	72.6	90.3	119.7	150.5
25°	36.7	58.7	55.2	65.2	79.7	94.7	102.9	109.2	133.4	176.5	208.7
22.5°	47.8	84.6	84.2	76.5	99.6	119.8	139.3	182.5	243.7	263.4	269.7
20°	67.0	110.7	118.9	121.5	129.3	147.9	181.0	282.4	405.0	451.1	401.7
17.5°	89.5	139.1	157.2	176.9	201.0	206.6	234.7	402.7	605.6	674.9	675.2
15°	114.6	169.6	197.8	237.8	277.6	302.7	396.2	599.1	822.6	932.5	995.3
12.5°	141.5	201.6	240.3	302.9	357.8	401.9	606.0	929.7	1137.5	1233.4	1416.5
10°	169.3	234.4	283.9	370.8	440.7	503.0	842.0	1282.4	1484.8	1578.7	1787.8
7.5°	197.0	265.1	326.4	440.0	524.8	605.0	1093.2	1646.7	1819.9	1903.6	2074.0
5°	223.6	292.3	360.1	492.5	591.3	688.5	1321.1	2009.7	2144.6	2212.1	2308.3
2.5°	248.1	318.1	392.4	539.7	644.7	741.1	1420.2	2169.1	2317.1	2418.4	2500.4
0°	269.4	342.2	422.9	583.0	694.9	789.9	1492.5	2300.6	2456.8	2577.8	2676.7
-2.5°	270.4	347.3	432.9	581.2	683.7	782.1	1423.5	2270.9	2504.7	2686.3	2834.5
-5°	267.9	350.3	440.2	575.6	669.8	770.4	1332.6	2199.6	2514.5	2707.8	2859.2
-7.5°	262.5	351.1	444.5	565.5	649.4	740.7	1253.2	2053.9	2400.8	2566.4	2727.2
-10°	255.5	349.1	438.1	541.9	619.8	699.9	1152.2	1884.5	2284.3	2426.6	2575.9
-12.5°	249.4	345.0	428.7	518.7	589.8	657.9	1020.1	1698.3	2168.8	2292.7	2412.0
-15°	242.3	339.7	418.1	497.1	560.0	615.6	855.2	1501.2	2056.0	2195.1	2287.3
-17.5°	234.7	333.1	406.7	478.1	531.2	573.7	659.9	1264.3	1868.0	2080.1	2188.0
-20°	227.1	325.6	394.6	462.8	504.0	544.1	601.8	1023.0	1575.0	1941.4	2079.2



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	220.0	317.3	382.8	447.1	489.5	525.1	571.2	788.2	1265.5	1784.4	1950.6
-25°	217.4	304.5	371.3	432.0	478.8	507.1	539.8	590.9	979.7	1472.9	1806.2
-27.5°	216.7	293.8	357.7	416.0	470.3	491.8	516.8	555.8	755.0	1153.3	1628.1
-30°	213.4	278.6	342.7	399.3	454.0	483.2	498.9	529.7	583.1	889.1	1278.6
-32.5°	203.5	262.2	324.8	381.4	434.6	478.0	490.1	516.0	555.4	642.9	959.0
-35°	191.2	246.9	305.5	362.1	414.7	463.0	490.1	505.3	531.6	573.4	715.4
-37.5°	179.5	230.4	285.5	341.0	392.4	441.3	488.5	502.0	519.6	549.4	603.5
-40°	166.0	212.8	265.9	318.6	368.2	416.6	463.1	502.5	513.1	543.1	581.0
-42.5°	150.5	195.8	245.5	294.9	341.3	388.7	435.5	479.6	521.0	541.6	570.8
-45°	133.5	176.7	224.1	268.3	311.6	358.0	403.6	449.5	502.8	550.9	570.5
-47.5°	115.1	155.7	200.0	239.7	280.1	323.2	368.8	417.1	470.8	523.9	578.9
-50°	96.2	133.7	172.3	209.8	246.9	286.3	328.4	379.3	430.5	483.6	536.8
-52.5°	78.8	110.2	144.8	179.3	213.5	248.0	288.3	334.3	383.7	434.7	481.9
-55°	60.5	88.5	116.6	148.5	180.4	211.2	246.8	288.3	331.1	378.0	420.8
-57.5°	47.0	66.5	90.8	116.8	146.3	176.1	208.6	241.8	279.8	319.2	354.6
-60°	36.3	49.0	66.5	88.5	111.1	139.4	169.8	200.1	230.8	259.8	290.0
-62.5°	26.8	36.8	47.9	62.0	81.6	102.5	128.6	156.3	184.3	208.9	230.9
-65°	24.1	26.9	34.6	44.4	53.7	72.2	91.8	111.4	135.4	157.0	177.1
-67.5°	21.4	23.9	26.4	30.2	38.9	48.6	58.6	75.8	92.9	107.8	122.7
-70°	19.5	21.0	23.1	25.3	27.6	32.1	40.6	49.3	58.2	68.6	81.6
-72.5°	17.8	19.2	20.5	21.8	23.9	26.2	28.7	31.3	36.4	43.4	50.6
-75°	16.4	17.4	18.5	19.7	21.0	22.4	24.0	26.1	28.1	29.9	31.5
-77.5°	15.1	15.8	16.6	17.6	18.6	19.6	20.8	22.1	23.3	24.7	26.2
-80°	13.7	14.3	14.8	15.4	16.1	16.8	17.6	18.5	19.2	19.9	20.7
-82.5°	11.9	12.3	12.8	13.2	13.6	14.0	14.4	14.9	15.2	15.4	15.7
-85°	10.2	10.4	10.7	11.0	11.2	11.5	11.8	12.0	11.9	11.8	11.7
-87.5°	9.0	9.1	9.2	9.3	9.5	9.7	9.9	10.0	9.8	9.6	9.4
-90°	6.2	5.9	5.5	5.2	4.9	4.6	4.2	3.9	3.9	3.9	3.9



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9.1	9.1	9.1	9.1	9.1	12.7	16.2	19.8	23.4	32.2	41.0
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	2.6	2.5	2.5	2.5	2.2	1.9
82.5°	3.9	3.8	3.6	3.6	3.5	3.4	3.1	2.9	2.6	2.3	2.0
80°	4.3	4.3	4.2	4.1	3.9	3.6	3.3	3.0	2.6	2.6	2.6
77.5°	5.4	5.2	4.9	4.5	4.0	3.8	3.7	3.7	3.7	3.5	3.2
75°	6.4	6.3	6.2	5.8	5.3	5.2	5.2	5.1	5.0	4.7	4.5
72.5°	10.3	10.4	10.0	9.6	8.9	8.6	8.6	8.5	8.3	8.2	8.1
70°	17.2	17.4	16.8	15.6	13.6	12.3	11.8	11.1	10.4	10.5	11.2
67.5°	24.9	23.1	21.4	19.2	16.4	14.3	13.3	12.2	11.0	10.3	10.1
65°	30.2	23.9	20.4	18.0	16.4	14.9	13.2	11.6	10.2	9.3	8.8
62.5°	28.8	20.4	16.7	15.0	13.7	12.6	10.9	9.4	8.1	7.3	7.3
60°	24.7	17.1	13.1	11.7	10.4	9.2	8.3	7.5	6.9	6.6	7.0
57.5°	19.3	13.4	10.3	9.8	9.1	8.2	7.7	7.5	7.0	6.5	6.9
55°	14.1	11.8	10.5	10.0	9.7	9.3	8.8	8.2	7.7	7.3	7.6
52.5°	12.2	11.5	11.4	11.3	10.5	9.8	9.1	8.9	8.8	8.6	8.8
50°	11.9	11.8	11.8	11.5	10.9	10.5	10.3	10.2	10.1	10.0	10.0
47.5°	12.2	12.4	12.4	11.8	11.6	11.8	11.7	11.6	11.8	11.9	12.2
45°	13.4	13.8	13.9	14.1	13.7	14.1	14.2	14.1	16.2	16.4	15.5
42.5°	16.2	18.0	19.2	18.8	17.2	20.6	25.7	27.9	25.7	22.3	20.1
40°	23.1	25.3	26.2	28.0	34.8	40.0	35.2	30.4	28.3	30.0	31.5
37.5°	32.4	35.2	43.5	54.0	50.2	40.8	41.8	42.2	41.3	44.0	44.4
35°	47.3	60.8	70.8	67.5	62.8	61.9	64.1	64.9	58.6	61.5	62.4
32.5°	75.9	92.2	93.0	88.8	91.1	91.6	97.9	93.7	88.3	90.9	98.2
30°	109.6	125.7	131.6	124.1	110.3	118.1	124.6	122.6	126.4	137.5	149.3
27.5°	162.2	172.7	182.4	167.3	140.0	152.0	156.6	151.8	177.8	191.8	219.5
25°	225.1	236.9	244.5	231.9	213.0	203.3	218.0	229.1	260.7	291.7	335.0
22.5°	293.5	325.2	334.3	301.4	301.4	301.2	306.9	344.6	387.2	455.3	569.7
20°	373.2	436.4	486.9	453.5	410.6	439.6	475.4	521.6	643.1	952.0	1303.3
17.5°	655.8	611.4	704.4	707.6	645.8	713.4	842.2	1008.0	1520.5	3096.6	4129.8
15°	1115.8	1069.1	1011.2	1014.3	1075.2	1207.8	1471.3	2389.0	4652.9	8016.7	11493.0
12.5°	1585.5	1515.4	1430.3	1407.7	1540.7	1807.8	3051.0	6827.3	12157.9	17962.9	32853.8
10°	1956.1	1918.8	1840.2	1898.9	2121.2	2905.5	5447.9	11997.7	22997.5	42229.3	65959.4
7.5°	2173.6	2159.4	2180.5	2352.9	2715.2	4780.1	10370.3	20106.3	38232.5	67375.9	110127.8
5°	2391.9	2403.8	2468.0	2705.1	3168.8	6080.2	14636.4	27940.2	55358.0	98197.1	164401.3
2.5°	2633.8	2644.7	2731.0	3029.6	3560.2	6283.5	15651.7	32929.2	70189.1	126327.2	214085.5
0°	2912.2	2849.8	2875.8	3147.8	3695.6	7328.7	18062.8	36110.1	77681.5	138012.0	227520.7
-2.5°	3011.1	2877.5	2853.1	3082.7	3563.0	6494.6	16135.4	33578.9	71348.9	126436.3	212155.9
-5°	2944.1	2761.4	2688.4	2876.2	3332.1	5694.8	13567.3	30554.5	63346.8	108160.1	179772.6
-7.5°	2777.3	2602.2	2494.5	2635.9	3033.9	4692.6	10392.4	23137.9	46109.2	80026.7	127706.2
-10°	2634.1	2466.3	2302.2	2347.5	2623.1	3493.0	6469.7	15155.7	30463.6	54020.2	81192.1
-12.5°	2510.2	2369.6	2123.9	2049.2	2203.7	2611.9	4515.5	10330.0	19486.0	30643.8	49690.8
-15°	2382.0	2266.8	2021.4	1903.3	1958.4	2157.2	2672.9	4961.7	10669.6	18161.7	26366.9
-17.5°	2239.8	2160.8	2013.2	1838.7	1764.1	1844.0	2090.3	2797.1	4741.6	9410.8	14527.0
-20°	2143.5	2099.5	1991.2	1838.0	1742.1	1705.2	1790.6	2007.0	2484.6	4274.2	6478.3



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2022.9	2004.6	1931.5	1887.7	1817.5	1738.2	1663.3	1730.4	1888.9	2132.8	2894.5
-25°	1908.8	1913.1	1917.9	1975.7	1964.4	1853.6	1711.4	1609.7	1663.0	1739.5	1893.7
-27.5°	1782.5	1845.2	1942.5	2051.1	2101.5	2007.8	1840.3	1687.7	1642.3	1597.6	1662.8
-30°	1671.5	1799.2	1903.4	2036.1	2123.1	2095.2	2008.8	1905.9	1794.5	1717.1	1691.7
-32.5°	1385.2	1739.2	1835.6	1942.3	2072.2	2113.5	2103.7	2064.2	2016.5	1961.9	1905.4
-35°	1076.5	1469.4	1792.8	1854.2	1939.1	2061.6	2158.1	2164.8	2158.6	2138.6	2123.4
-37.5°	760.3	1134.3	1474.9	1748.4	1850.3	1931.9	2079.6	2192.5	2256.7	2251.6	2253.1
-40°	631.4	734.4	1077.0	1393.0	1627.3	1845.8	1963.5	2111.3	2228.7	2276.6	2313.1
-42.5°	609.1	649.0	690.0	927.0	1228.6	1492.9	1696.1	1883.6	2049.5	2167.7	2261.6
-45°	593.3	620.4	651.4	690.8	733.3	969.3	1231.9	1476.1	1635.6	1795.2	1961.9
-47.5°	592.7	599.4	621.3	649.0	676.0	714.3	758.2	817.8	994.4	1154.7	1324.0
-50°	575.0	601.8	609.2	617.7	635.0	656.0	676.7	698.1	718.3	730.9	748.1
-52.5°	522.8	557.4	589.8	615.1	621.7	628.0	634.0	647.9	661.4	672.6	685.3
-55°	459.6	496.3	532.0	561.1	587.2	611.9	630.4	633.5	637.5	642.4	650.2
-57.5°	391.2	426.9	460.7	491.2	519.9	546.5	565.7	580.0	593.3	606.1	622.5
-60°	320.9	352.4	383.3	412.8	441.1	468.0	485.6	500.1	512.7	525.2	542.2
-62.5°	252.0	276.2	304.1	330.7	355.2	378.4	396.7	412.3	425.2	438.2	453.9
-65°	195.9	213.9	234.6	254.0	272.2	293.6	313.4	329.6	342.7	355.5	369.5
-67.5°	139.8	156.5	175.8	193.8	210.7	227.1	243.7	259.3	273.8	288.4	303.0
-70°	93.4	105.2	119.2	134.5	150.4	165.2	179.4	193.0	206.0	219.0	231.5
-72.5°	57.9	65.3	73.1	83.3	93.9	104.3	114.4	124.5	134.5	146.2	157.8
-75°	33.0	36.0	41.9	47.5	52.9	58.0	62.3	66.0	69.1	76.0	83.5
-77.5°	27.7	29.2	30.7	32.3	33.8	36.0	38.3	40.8	43.2	48.8	54.9
-80°	21.6	22.6	23.6	24.8	25.9	27.6	29.2	30.8	32.3	36.4	40.6
-82.5°	16.0	16.4	16.9	17.3	17.7	18.9	20.2	21.5	22.7	26.0	29.5
-85°	11.6	11.8	12.0	12.1	12.3	13.3	14.5	15.5	16.6	19.9	23.3
-87.5°	9.1	9.1	9.1	9.1	9.1	10.3	11.4	12.4	13.3	16.9	20.5
-90°	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.3	1.3



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	49.8	58.6	49.4	40.3	49.4	58.6	49.8	41.0	32.2	23.4	19.8
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
85°	1.6	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2	2.5	2.5
82.5°	1.6	1.3	1.9	2.6	1.9	1.3	1.6	2.0	2.3	2.6	2.9
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.0
77.5°	2.9	2.6	2.6	2.6	2.6	2.6	2.9	3.2	3.5	3.7	3.7
75°	4.2	3.9	3.9	3.9	3.9	3.9	4.2	4.5	4.7	5.0	5.1
72.5°	7.9	7.7	7.8	7.8	7.8	7.7	7.9	8.1	8.2	8.3	8.5
70°	11.9	12.8	13.0	13.0	13.0	12.8	11.9	11.2	10.5	10.4	11.1
67.5°	9.7	9.3	9.1	9.1	9.1	9.3	9.7	10.1	10.3	11.0	12.2
65°	8.3	7.9	7.8	7.8	7.8	7.9	8.3	8.8	9.3	10.2	11.6
62.5°	7.4	7.7	7.8	7.8	7.8	7.7	7.4	7.3	7.3	8.1	9.4
60°	7.3	7.7	7.8	7.8	7.8	7.7	7.3	7.0	6.6	6.9	7.5
57.5°	7.3	7.7	7.8	7.8	7.8	7.7	7.3	6.9	6.5	7.0	7.5
55°	7.7	7.8	8.3	9.1	8.3	7.8	7.7	7.6	7.3	7.7	8.2
52.5°	8.9	9.0	9.1	9.1	9.1	9.0	8.9	8.8	8.6	8.8	8.9
50°	10.2	10.3	10.4	10.4	10.4	10.3	10.2	10.0	10.0	10.1	10.2
47.5°	12.5	12.8	12.9	13.0	12.9	12.8	12.5	12.2	11.9	11.8	11.6
45°	15.7	15.6	15.5	15.6	15.5	15.6	15.7	15.5	16.4	16.2	14.1
42.5°	20.9	21.5	21.9	22.1	21.9	21.5	20.9	20.1	22.3	25.7	27.9
40°	33.1	33.5	33.2	32.5	33.2	33.5	33.1	31.5	30.0	28.3	30.4
37.5°	44.9	45.8	46.4	46.8	46.4	45.8	44.9	44.4	44.0	41.3	42.2
35°	63.1	63.8	63.4	65.1	63.4	63.8	63.1	62.4	61.5	58.6	64.9
32.5°	102.8	103.4	100.2	101.5	100.2	103.4	102.8	98.2	90.9	88.3	93.7
30°	157.5	164.8	169.2	174.4	169.2	164.8	157.5	149.3	137.5	126.4	122.6
27.5°	239.8	257.5	269.1	275.9	269.1	257.5	239.8	219.5	191.8	177.8	151.8
25°	374.4	401.4	415.8	426.8	415.8	401.4	374.4	335.0	291.7	260.7	229.1
22.5°	727.3	830.2	887.7	942.1	887.7	830.2	727.3	569.7	455.3	387.2	344.6
20°	1864.9	1985.0	2211.4	2351.4	2211.4	1985.0	1864.9	1303.3	952.0	643.1	521.6
17.5°	6282.3	8009.3	8331.8	8575.3	8331.8	8009.3	6282.3	4129.8	3096.6	1520.5	1008.0
15°	18708.7	23834.5	25214.1	26388.3	25214.1	23834.5	18708.7	11493.0	8016.7	4652.9	2389.0
12.5°	45171.0	59278.6	66951.9	72781.7	66951.9	59278.6	45171.0	32853.8	17962.9	12157.9	6827.3
10°	94639.8	122259.3	143222.7	155363.1	143222.7	122259.3	94639.8	65959.4	42229.3	22997.5	11997.7
7.5°	161167.7	207980.6	235345.5	249274.6	235345.5	207980.6	161167.7	110127.8	67375.9	38232.5	20106.3
5°	243086.1	303516.9	341707.7	362707.7	341707.7	303516.9	243086.1	164401.3	98197.1	55358.0	27940.2
2.5°	303637.7	381164.6	438411.3	465339.1	438411.3	381164.6	303637.7	214085.5	126327.2	70189.1	32929.2
0°	325562.5	406899.9	472341.8	511546.3	472341.8	406899.9	325562.5	227520.7	138012.0	77681.5	36110.1
-2.5°	304632.6	380990.8	431961.1	455679.8	431961.1	380990.8	304632.6	212155.9	126436.3	71348.9	33578.9
-5°	259046.7	325063.9	361692.3	377197.3	361692.3	325063.9	259046.7	179772.6	108160.1	63346.8	30554.5
-7.5°	183789.0	234147.4	259891.4	275163.9	259891.4	234147.4	183789.0	127706.2	80026.7	46109.2	23137.9
-10°	115713.0	144022.4	168648.1	179787.8	168648.1	144022.4	115713.0	81192.1	54020.2	30463.6	15155.7
-12.5°	67200.1	85123.1	99532.0	105652.8	99532.0	85123.1	67200.1	49690.8	30643.8	19486.0	10330.0
-15°	37136.6	46931.1	53565.0	56159.9	53565.0	46931.1	37136.6	26366.9	18161.7	10669.6	4961.7
-17.5°	20650.8	25403.6	27289.2	30312.9	27289.2	25403.6	20650.8	14527.0	9410.8	4741.6	2797.1
-20°	10117.1	12581.5	13371.6	15504.6	13371.6	12581.5	10117.1	6478.3	4274.2	2484.6	2007.0



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3929.9	4511.5	4641.2	5652.7	4641.2	4511.5	3929.9	2894.5	2132.8	1888.9	1730.4
-25°	2040.9	2138.9	2184.4	2303.2	2184.4	2138.9	2040.9	1893.7	1739.5	1663.0	1609.7
-27.5°	1715.6	1763.1	1801.1	1858.2	1801.1	1763.1	1715.6	1662.8	1597.6	1642.3	1687.7
-30°	1672.1	1663.7	1664.8	1670.8	1664.8	1663.7	1672.1	1691.7	1717.1	1794.5	1905.9
-32.5°	1860.3	1831.5	1817.2	1763.2	1817.2	1831.5	1860.3	1905.4	1961.9	2016.5	2064.2
-35°	2114.3	2111.8	2113.7	2088.5	2113.7	2111.8	2114.3	2123.4	2138.6	2158.6	2164.8
-37.5°	2253.8	2257.9	2262.9	2255.1	2262.9	2257.9	2253.8	2253.1	2251.6	2256.7	2192.5
-40°	2325.7	2337.5	2345.8	2343.6	2345.8	2337.5	2325.7	2313.1	2276.6	2228.7	2111.3
-42.5°	2308.5	2337.5	2351.8	2356.6	2351.8	2337.5	2308.5	2261.6	2167.7	2049.5	1883.6
-45°	2114.3	2232.8	2304.2	2324.1	2304.2	2232.8	2114.3	1961.9	1795.2	1635.6	1476.1
-47.5°	1514.6	1690.0	1854.4	1998.7	1854.4	1690.0	1514.6	1324.0	1154.7	994.4	817.8
-50°	769.5	789.4	829.9	888.8	829.9	789.4	769.5	748.1	730.9	718.3	698.1
-52.5°	697.9	709.3	720.6	731.3	720.6	709.3	697.9	685.3	672.6	661.4	647.9
-55°	657.6	664.6	669.9	674.1	669.9	664.6	657.6	650.2	642.4	637.5	633.5
-57.5°	636.5	648.2	658.2	666.2	658.2	648.2	636.5	622.5	606.1	593.3	580.0
-60°	557.1	570.0	581.9	592.1	581.9	570.0	557.1	542.2	525.2	512.7	500.1
-62.5°	467.4	478.7	490.5	501.0	490.5	478.7	467.4	453.9	438.2	425.2	412.3
-65°	382.0	392.9	402.7	411.2	402.7	392.9	382.0	369.5	355.5	342.7	329.6
-67.5°	316.5	329.0	341.3	352.6	341.3	329.0	316.5	303.0	288.4	273.8	259.3
-70°	242.8	253.0	261.9	269.4	261.9	253.0	242.8	231.5	219.0	206.0	193.0
-72.5°	168.4	178.0	189.0	199.1	189.0	178.0	168.4	157.8	146.2	134.5	124.5
-75°	90.8	97.8	104.4	110.6	104.4	97.8	90.8	83.5	76.0	69.1	66.0
-77.5°	61.0	67.1	71.4	75.5	71.4	67.1	61.0	54.9	48.8	43.2	40.8
-80°	44.9	49.1	52.6	56.0	52.6	49.1	44.9	40.6	36.4	32.3	30.8
-82.5°	32.9	36.3	39.0	41.6	39.0	36.3	32.9	29.5	26.0	22.7	21.5
-85°	26.6	29.9	32.5	35.1	32.5	29.9	26.6	23.3	19.9	16.6	15.5
-87.5°	23.9	27.4	29.3	31.2	29.3	27.4	23.9	20.5	16.9	13.3	12.4
-90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.2	12.7	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
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°	2.5	2.6	2.6	2.9	3.3	3.6	3.9	4.1	4.3	4.4	4.4
82.5°	3.1	3.4	3.5	3.6	3.6	3.8	3.9	4.3	4.6	4.9	5.2
80°	3.3	3.6	3.9	4.1	4.2	4.3	4.3	4.5	4.7	4.9	5.2
77.5°	3.7	3.8	4.0	4.5	4.9	5.2	5.4	5.6	5.7	5.8	5.9
75°	5.2	5.2	5.3	5.8	6.2	6.3	6.4	6.3	6.3	6.4	6.5
72.5°	8.6	8.6	8.9	9.6	10.0	10.4	10.3	9.5	8.5	7.3	6.5
70°	11.8	12.3	13.6	15.6	16.8	17.4	17.2	15.9	13.7	11.9	10.1
67.5°	13.3	14.3	16.4	19.2	21.4	23.1	24.9	25.7	24.7	22.3	16.5
65°	13.2	14.9	16.4	18.0	20.4	23.9	30.2	33.4	34.2	32.9	25.6
62.5°	10.9	12.6	13.7	15.0	16.7	20.4	28.8	35.7	40.9	40.7	32.4
60°	8.3	9.2	10.4	11.7	13.1	17.1	24.7	33.8	44.2	41.8	35.8
57.5°	7.7	8.2	9.1	9.8	10.3	13.4	19.3	27.4	37.1	37.2	34.8
55°	8.8	9.3	9.7	10.0	10.5	11.8	14.1	19.1	26.4	28.3	27.9
52.5°	9.1	9.8	10.5	11.3	11.4	11.5	12.2	14.9	17.1	20.0	21.3
50°	10.3	10.5	10.9	11.5	11.8	11.8	11.9	12.7	14.1	15.4	16.3
47.5°	11.7	11.8	11.6	11.8	12.4	12.4	12.2	12.2	13.3	13.9	14.5
45°	14.2	14.1	13.7	14.1	13.9	13.8	13.4	13.9	13.9	14.3	14.3
42.5°	25.7	20.6	17.2	18.8	19.2	18.0	16.2	16.6	16.3	15.7	16.7
40°	35.2	40.0	34.8	28.0	26.2	25.3	23.1	20.7	20.0	18.5	20.7
37.5°	41.8	40.8	50.2	54.0	43.5	35.2	32.4	27.9	24.8	25.6	27.1
35°	64.1	61.9	62.8	67.5	70.8	60.8	47.3	38.4	33.5	34.5	35.1
32.5°	97.9	91.6	91.1	88.8	93.0	92.2	75.9	57.0	49.1	46.5	44.4
30°	124.6	118.1	110.3	124.1	131.6	125.7	109.6	97.0	79.7	61.2	55.5
27.5°	156.6	152.0	140.0	167.3	182.4	172.7	162.2	150.5	119.7	90.3	72.6
25°	218.0	203.3	213.0	231.9	244.5	236.9	225.1	208.7	176.5	133.4	109.2
22.5°	306.9	301.2	301.4	301.4	334.3	325.2	293.5	269.7	263.4	243.7	182.5
20°	475.4	439.6	410.6	453.5	486.9	436.4	373.2	401.7	451.1	405.0	282.4
17.5°	842.2	713.4	645.8	707.6	704.4	611.4	655.8	675.2	674.9	605.6	402.7
15°	1471.3	1207.8	1075.2	1014.3	1011.2	1069.1	1115.8	995.3	932.5	822.6	599.1
12.5°	3051.0	1807.8	1540.7	1407.7	1430.3	1515.4	1585.5	1416.5	1233.4	1137.5	929.7
10°	5447.9	2905.5	2121.2	1898.9	1840.2	1918.8	1956.1	1787.8	1578.7	1484.8	1282.4
7.5°	10370.3	4780.1	2715.2	2352.9	2180.5	2159.4	2173.6	2074.0	1903.6	1819.9	1646.7
5°	14636.4	6080.2	3168.8	2705.1	2468.0	2403.8	2391.9	2308.3	2212.1	2144.6	2009.7
2.5°	15651.7	6283.5	3560.2	3029.6	2731.0	2644.7	2633.8	2500.4	2418.4	2317.1	2169.1
0°	18062.8	7328.7	3695.6	3147.8	2875.8	2849.8	2912.2	2676.7	2577.8	2456.8	2300.6
-2.5°	16135.4	6494.6	3563.0	3082.7	2853.1	2877.5	3011.1	2834.5	2686.3	2504.7	2270.9
-5°	13567.3	5694.8	3332.1	2876.2	2688.4	2761.4	2944.1	2859.2	2707.8	2514.5	2199.6
-7.5°	10392.4	4692.6	3033.9	2635.9	2494.5	2602.2	2777.3	2727.2	2566.4	2400.8	2053.9
-10°	6469.7	3493.0	2623.1	2347.5	2302.2	2466.3	2634.1	2575.9	2426.6	2284.3	1884.5
-12.5°	4515.5	2611.9	2203.7	2049.2	2123.9	2369.6	2510.2	2412.0	2292.7	2168.8	1698.3
-15°	2672.9	2157.2	1958.4	1903.3	2021.4	2266.8	2382.0	2287.3	2195.1	2056.0	1501.2
-17.5°	2090.3	1844.0	1764.1	1838.7	2013.2	2160.8	2239.8	2188.0	2080.1	1868.0	1264.3
-20°	1790.6	1705.2	1742.1	1838.0	1991.2	2099.5	2143.5	2079.2	1941.4	1575.0	1023.0



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1663.3	1738.2	1817.5	1887.7	1931.5	2004.6	2022.9	1950.6	1784.4	1265.5	788.2
-25°	1711.4	1853.6	1964.4	1975.7	1917.9	1913.1	1908.8	1806.2	1472.9	979.7	590.9
-27.5°	1840.3	2007.8	2101.5	2051.1	1942.5	1845.2	1782.5	1628.1	1153.3	755.0	555.8
-30°	2008.8	2095.2	2123.1	2036.1	1903.4	1799.2	1671.5	1278.6	889.1	583.1	529.7
-32.5°	2103.7	2113.5	2072.2	1942.3	1835.6	1739.2	1385.2	959.0	642.9	555.4	516.0
-35°	2158.1	2061.6	1939.1	1854.2	1792.8	1469.4	1076.5	715.4	573.4	531.6	505.3
-37.5°	2079.6	1931.9	1850.3	1748.4	1474.9	1134.3	760.3	603.5	549.4	519.6	502.0
-40°	1963.5	1845.8	1627.3	1393.0	1077.0	734.4	631.4	581.0	543.1	513.1	502.5
-42.5°	1696.1	1492.9	1228.6	927.0	690.0	649.0	609.1	570.8	541.6	521.0	479.6
-45°	1231.9	969.3	733.3	690.8	651.4	620.4	593.3	570.5	550.9	502.8	449.5
-47.5°	758.2	714.3	676.0	649.0	621.3	599.4	592.7	578.9	523.9	470.8	417.1
-50°	676.7	656.0	635.0	617.7	609.2	601.8	575.0	536.8	483.6	430.5	379.3
-52.5°	634.0	628.0	621.7	615.1	589.8	557.4	522.8	481.9	434.7	383.7	334.3
-55°	630.4	611.9	587.2	561.1	532.0	496.3	459.6	420.8	378.0	331.1	288.3
-57.5°	565.7	546.5	519.9	491.2	460.7	426.9	391.2	354.6	319.2	279.8	241.8
-60°	485.6	468.0	441.1	412.8	383.3	352.4	320.9	290.0	259.8	230.8	200.1
-62.5°	396.7	378.4	355.2	330.7	304.1	276.2	252.0	230.9	208.9	184.3	156.3
-65°	313.4	293.6	272.2	254.0	234.6	213.9	195.9	177.1	157.0	135.4	111.4
-67.5°	243.7	227.1	210.7	193.8	175.8	156.5	139.8	122.7	107.8	92.9	75.8
-70°	179.4	165.2	150.4	134.5	119.2	105.2	93.4	81.6	68.6	58.2	49.3
-72.5°	114.4	104.3	93.9	83.3	73.1	65.3	57.9	50.6	43.4	36.4	31.3
-75°	62.3	58.0	52.9	47.5	41.9	36.0	33.0	31.5	29.9	28.1	26.1
-77.5°	38.3	36.0	33.8	32.3	30.7	29.2	27.7	26.2	24.7	23.3	22.1
-80°	29.2	27.6	25.9	24.8	23.6	22.6	21.6	20.7	19.9	19.2	18.5
-82.5°	20.2	18.9	17.7	17.3	16.9	16.4	16.0	15.7	15.4	15.2	14.9
-85°	14.5	13.3	12.3	12.1	12.0	11.8	11.6	11.7	11.8	11.9	12.0
-87.5°	11.4	10.3	9.1	9.1	9.1	9.1	9.1	9.4	9.6	9.8	10.0
-90°	2.0	2.3	2.6	2.9	3.3	3.6	3.9	3.9	3.9	3.9	3.9



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.8	8.5	8.1	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	4.2	4.6	4.9	5.2	5.5	5.9	6.2	6.5	6.5	6.5	6.5
85°	4.6	4.7	5.0	5.2	5.5	5.9	6.2	6.5	6.5	6.5	6.5
82.5°	5.2	5.2	5.1	5.2	5.6	5.9	6.2	6.5	6.5	6.5	6.5
80°	5.5	5.6	5.6	5.6	5.7	5.9	6.2	6.5	6.5	6.5	6.5
77.5°	5.9	6.0	6.3	6.3	6.2	6.2	6.3	6.5	6.5	6.5	6.5
75°	6.5	6.4	6.4	6.6	6.6	6.5	6.4	6.6	6.6	6.5	6.5
72.5°	6.5	6.5	6.5	6.7	6.8	6.9	6.7	6.6	6.8	6.8	6.6
70°	8.4	6.9	6.5	6.7	7.0	7.3	7.2	7.1	7.0	7.0	6.9
67.5°	11.7	9.7	8.0	7.0	7.1	7.4	7.7	7.7	7.5	7.3	7.2
65°	18.9	13.7	10.2	8.8	7.8	7.5	7.8	8.1	8.0	7.8	7.6
62.5°	24.9	18.3	13.7	10.9	9.1	8.2	7.9	8.3	8.5	8.2	8.0
60°	30.0	22.4	17.2	13.9	10.9	8.9	8.4	8.5	8.8	8.7	8.4
57.5°	29.2	25.0	21.3	17.1	13.5	10.5	9.1	9.0	9.1	9.1	8.8
55°	26.0	23.2	24.0	20.9	16.4	12.6	10.3	9.7	9.5	9.5	9.3
52.5°	20.3	21.9	24.3	23.6	19.7	15.0	12.3	10.3	10.1	9.9	9.8
50°	16.2	19.6	23.9	25.3	22.8	18.1	14.3	11.9	10.6	10.4	10.4
47.5°	15.7	18.7	22.0	26.5	25.4	20.9	16.5	13.5	11.2	10.8	11.1
45°	17.0	19.4	21.3	24.8	27.7	22.9	18.6	15.0	12.5	11.6	11.8
42.5°	19.3	21.3	22.7	23.2	26.4	24.4	20.4	16.6	13.7	12.5	12.6
40°	22.7	24.2	24.9	25.4	25.4	25.6	21.5	17.9	15.0	13.7	13.4
37.5°	26.9	27.9	28.1	29.0	26.2	25.4	22.3	19.0	16.7	15.1	14.3
35°	34.0	32.3	33.5	33.9	30.5	26.0	22.8	19.8	18.5	16.6	15.3
32.5°	42.4	40.2	41.0	39.7	36.0	27.3	23.5	22.0	20.6	18.0	16.3
30°	53.9	54.9	50.3	46.2	42.2	32.4	26.0	24.4	22.8	19.4	17.3
27.5°	75.4	73.0	62.1	54.9	48.5	39.0	31.0	27.2	25.1	21.0	18.5
25°	102.9	94.7	79.7	65.2	55.2	58.7	36.7	30.2	27.4	22.9	19.7
22.5°	139.3	119.8	99.6	76.5	84.2	84.6	47.8	34.9	29.9	24.8	20.9
20°	181.0	147.9	129.3	121.5	118.9	110.7	67.0	39.9	32.5	26.8	22.0
17.5°	234.7	206.6	201.0	176.9	157.2	139.1	89.5	45.1	35.1	28.8	23.0
15°	396.2	302.7	277.6	237.8	197.8	169.6	114.6	50.6	37.9	30.7	23.5
12.5°	606.0	401.9	357.8	302.9	240.3	201.6	141.5	56.1	40.6	31.6	23.1
10°	842.0	503.0	440.7	370.8	283.9	234.4	169.3	61.4	41.9	31.6	22.8
7.5°	1093.2	605.0	524.8	440.0	326.4	265.1	197.0	66.3	43.0	31.4	22.4
5°	1321.1	688.5	591.3	492.5	360.1	292.3	223.6	71.0	44.0	31.0	21.9
2.5°	1420.2	741.1	644.7	539.7	392.4	318.1	248.1	75.5	44.8	30.5	21.4
0°	1492.5	789.9	694.9	583.0	422.9	342.2	269.4	79.4	45.5	29.9	20.8
-2.5°	1423.5	782.1	683.7	581.2	432.9	347.3	270.4	91.8	54.5	35.3	23.0
-5°	1332.6	770.4	669.8	575.6	440.2	350.3	267.9	103.2	63.0	40.3	25.1
-7.5°	1253.2	740.7	649.4	565.5	444.5	351.1	262.5	113.7	70.9	45.0	27.0
-10°	1152.2	699.9	619.8	541.9	438.1	349.1	255.5	122.9	78.0	49.0	28.6
-12.5°	1020.1	657.9	589.8	518.7	428.7	345.0	249.4	131.7	84.3	52.3	29.9
-15°	855.2	615.6	560.0	497.1	418.1	339.7	242.3	139.3	90.7	55.7	30.8
-17.5°	659.9	573.7	531.2	478.1	406.7	333.1	234.7	145.3	96.1	59.3	32.3
-20°	601.8	544.1	504.0	462.8	394.6	325.6	227.1	149.4	100.3	61.9	33.9



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	571.2	525.1	489.5	447.1	382.8	317.3	220.0	151.7	103.2	63.4	34.8
-25°	539.8	507.1	478.8	432.0	371.3	304.5	217.4	151.9	104.8	63.8	35.0
-27.5°	516.8	491.8	470.3	416.0	357.7	293.8	216.7	153.1	105.1	62.9	34.2
-30°	498.9	483.2	454.0	399.3	342.7	278.6	213.4	152.7	103.9	61.7	32.6
-32.5°	490.1	478.0	434.6	381.4	324.8	262.2	203.5	150.5	100.9	59.8	31.6
-35°	490.1	463.0	414.7	362.1	305.5	246.9	191.2	146.5	96.2	56.5	30.6
-37.5°	488.5	441.3	392.4	341.0	285.5	230.4	179.5	135.4	89.7	51.9	28.9
-40°	463.1	416.6	368.2	318.6	265.9	212.8	166.0	122.7	82.8	46.0	26.7
-42.5°	435.5	388.7	341.3	294.9	245.5	195.8	150.5	108.6	72.7	41.5	23.9
-45°	403.6	358.0	311.6	268.3	224.1	176.7	133.5	93.7	61.3	37.5	21.7
-47.5°	368.8	323.2	280.1	239.7	200.0	155.7	115.1	80.0	49.2	32.8	20.9
-50°	328.4	286.3	246.9	209.8	172.3	133.7	96.2	65.4	42.4	26.7	20.0
-52.5°	288.3	248.0	213.5	179.3	144.8	110.2	78.8	50.7	35.1	23.7	18.9
-55°	246.8	211.2	180.4	148.5	116.6	88.5	60.5	42.0	27.5	22.0	17.8
-57.5°	208.6	176.1	146.3	116.8	90.8	66.5	47.0	32.9	24.2	20.3	17.0
-60°	169.8	139.4	111.1	88.5	66.5	49.0	36.3	25.7	22.1	18.6	16.2
-62.5°	128.6	102.5	81.6	62.0	47.9	36.8	26.8	23.4	20.0	17.5	15.2
-65°	91.8	72.2	53.7	44.4	34.6	26.9	24.1	21.0	18.6	16.4	14.3
-67.5°	58.6	48.6	38.9	30.2	26.4	23.9	21.4	19.3	17.3	15.3	13.7
-70°	40.6	32.1	27.6	25.3	23.1	21.0	19.5	17.8	16.0	14.5	13.0
-72.5°	28.7	26.2	23.9	21.8	20.5	19.2	17.8	16.4	15.1	13.7	12.3
-75°	24.0	22.4	21.0	19.7	18.5	17.4	16.4	15.4	14.2	12.9	11.6
-77.5°	20.8	19.6	18.6	17.6	16.6	15.8	15.1	14.4	13.2	11.9	10.8
-80°	17.6	16.8	16.1	15.4	14.8	14.3	13.7	13.0	11.9	10.9	10.0
-82.5°	14.4	14.0	13.6	13.2	12.8	12.3	11.9	11.4	10.6	9.8	9.2
-85°	11.8	11.5	11.2	11.0	10.7	10.4	10.2	10.0	9.5	9.1	8.8
-87.5°	9.9	9.7	9.5	9.3	9.2	9.1	9.0	8.9	8.7	8.5	8.3
-90°	4.2	4.6	4.9	5.2	5.5	5.9	6.2	6.5	6.5	6.5	6.5



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.8	7.5	7.2	6.8	6.5	6.5	6.5
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
85°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
82.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
80°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
77.5°	6.5	6.6	6.5	6.5	6.5	6.5	6.5
75°	6.6	6.7	6.5	6.5	6.5	6.5	6.5
72.5°	6.6	6.9	6.8	6.5	6.5	6.5	6.5
70°	6.8	7.1	7.0	6.5	6.5	6.5	6.5
67.5°	7.1	7.3	7.3	6.8	6.5	6.5	6.5
65°	7.5	7.6	7.6	7.1	6.5	6.5	6.5
62.5°	7.9	7.9	7.8	7.3	6.5	6.5	6.5
60°	8.3	8.2	8.1	7.6	6.5	6.5	6.5
57.5°	8.7	8.5	8.4	7.9	6.7	6.5	6.5
55°	9.2	8.8	8.6	8.1	6.8	6.5	6.5
52.5°	9.6	9.2	8.9	8.4	7.0	6.5	6.5
50°	10.1	9.6	9.1	8.7	7.2	6.5	6.5
47.5°	10.7	10.0	9.4	9.0	7.3	6.5	6.5
45°	11.3	10.5	9.6	9.2	7.4	6.5	6.5
42.5°	12.0	10.9	9.9	9.4	7.5	6.5	6.5
40°	12.7	11.4	10.2	9.4	7.6	6.5	6.5
37.5°	13.4	11.9	10.5	9.5	7.7	6.5	6.5
35°	14.2	12.4	10.9	9.5	7.8	6.5	6.5
32.5°	15.0	13.0	11.2	9.5	7.9	6.5	6.5
30°	15.8	13.6	11.6	9.6	7.9	6.5	6.5
27.5°	16.6	14.2	11.7	9.6	8.0	6.5	6.5
25°	17.5	14.9	11.7	9.6	8.0	6.5	6.5
22.5°	18.3	15.3	11.7	9.6	8.0	6.5	6.5
20°	19.2	15.2	11.7	9.5	8.0	6.5	6.5
17.5°	19.3	15.1	11.6	9.5	8.0	6.5	6.5
15°	19.0	15.0	11.5	9.5	8.0	6.5	6.5
12.5°	18.5	14.7	11.4	9.4	8.0	6.5	6.5
10°	18.1	14.5	11.2	9.4	8.0	6.5	6.5
7.5°	17.5	14.2	11.0	9.3	7.9	6.5	6.5
5°	16.9	13.8	10.8	9.3	7.9	6.5	6.5
2.5°	16.3	13.4	10.6	9.2	7.9	6.5	6.5
0°	15.6	13.0	10.4	9.1	7.8	6.5	6.5
-2.5°	16.3	13.1	10.5	9.1	7.8	6.5	6.5
-5°	16.9	13.2	10.6	9.1	7.8	6.6	6.5
-7.5°	17.5	13.3	10.7	9.1	7.8	6.6	6.5
-10°	17.9	13.4	10.7	9.0	7.8	6.6	6.5
-12.5°	18.3	13.4	10.8	9.0	7.8	6.6	6.5
-15°	18.5	13.4	10.8	9.0	7.7	6.7	6.5
-17.5°	18.6	13.4	10.8	8.9	7.7	6.7	6.5
-20°	18.9	13.3	10.8	8.9	7.7	6.7	6.5



REPORT NUMBER: P731572 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	19.4	13.3	10.7	8.8	7.7	6.7	6.5
-25°	19.6	13.4	10.6	8.7	7.7	6.7	6.5
-27.5°	19.5	13.5	10.5	8.7	7.6	6.8	6.5
-30°	19.0	13.6	10.3	8.6	7.6	6.8	6.5
-32.5°	18.1	13.5	10.3	8.5	7.6	6.8	6.5
-35°	17.8	13.5	10.2	8.4	7.6	6.8	6.5
-37.5°	17.6	13.3	10.1	8.3	7.6	6.8	6.5
-40°	17.4	13.2	10.0	8.2	7.6	6.8	6.5
-42.5°	17.0	13.0	9.9	8.1	7.6	6.8	6.5
-45°	16.5	12.8	9.9	8.1	7.6	6.8	6.5
-47.5°	15.9	12.5	9.9	8.0	7.6	6.8	6.5
-50°	15.4	12.1	9.8	8.1	7.6	6.8	6.5
-52.5°	14.9	11.8	9.7	8.1	7.6	6.8	6.5
-55°	14.4	11.6	9.5	8.2	7.6	6.8	6.5
-57.5°	13.8	11.3	9.4	8.2	7.6	6.8	6.5
-60°	13.2	11.1	9.2	8.2	7.6	6.8	6.5
-62.5°	12.8	10.8	9.2	8.2	7.6	6.8	6.5
-65°	12.4	10.5	9.1	8.2	7.5	6.7	6.5
-67.5°	11.9	10.2	8.9	8.1	7.4	6.7	6.5
-70°	11.4	9.9	8.8	8.1	7.3	6.7	6.5
-72.5°	10.9	9.6	8.6	8.0	7.2	6.7	6.5
-75°	10.4	9.2	8.4	7.8	7.1	6.7	6.5
-77.5°	9.8	8.9	8.2	7.6	7.0	6.6	6.5
-80°	9.1	8.6	8.0	7.5	6.9	6.6	6.5
-82.5°	8.8	8.3	7.8	7.3	6.8	6.6	6.5
-85°	8.5	8.0	7.6	7.2	6.7	6.6	6.5
-87.5°	8.1	7.8	7.4	7.0	6.6	6.5	6.5
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5

(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

