

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: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-4S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-4S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

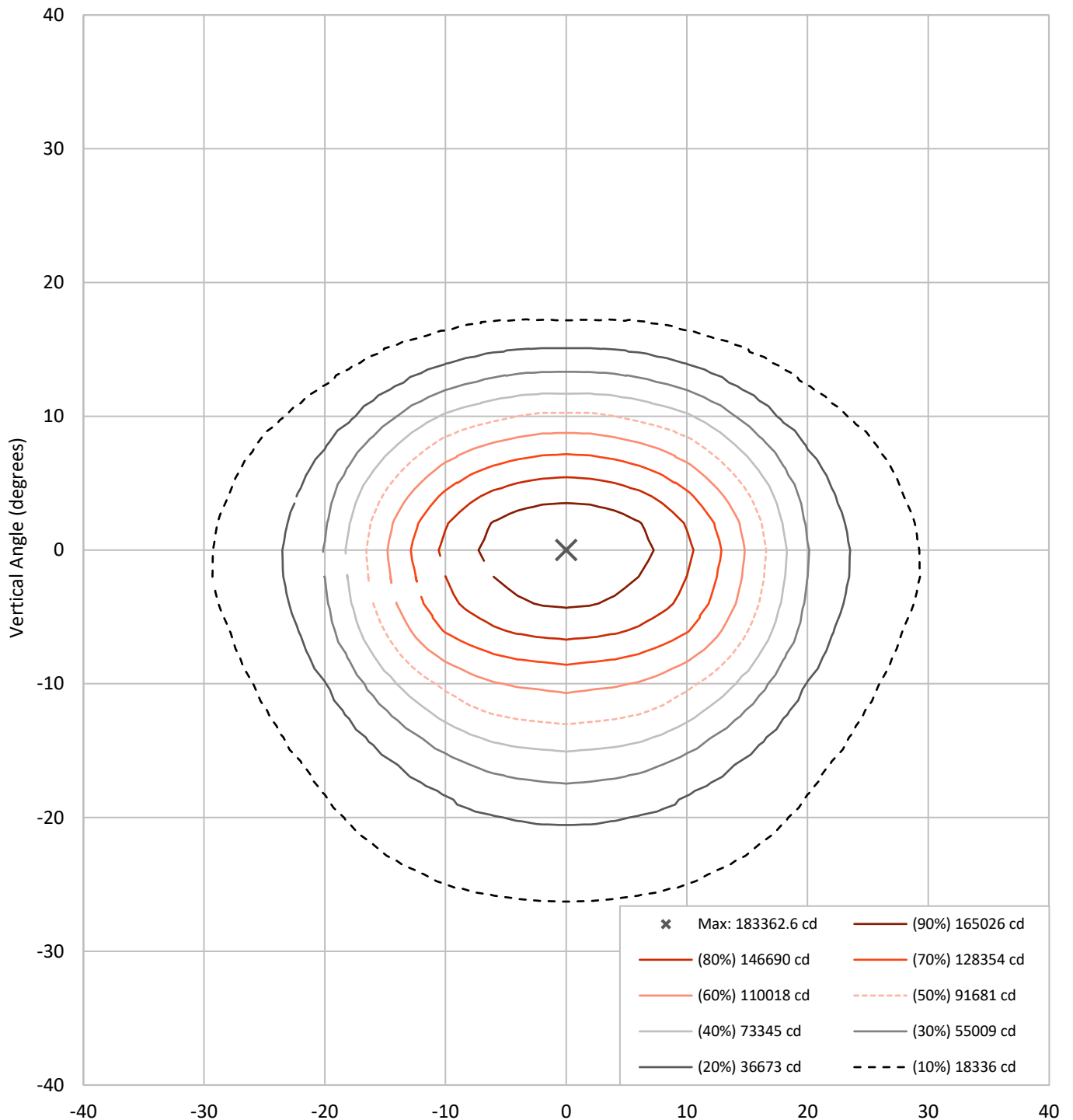
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	48404.5 lumens	Max Intensity:	183362.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	86.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	24491.1 lumens	Field Lumens:	41744.7 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

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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Iso-Candela Plot





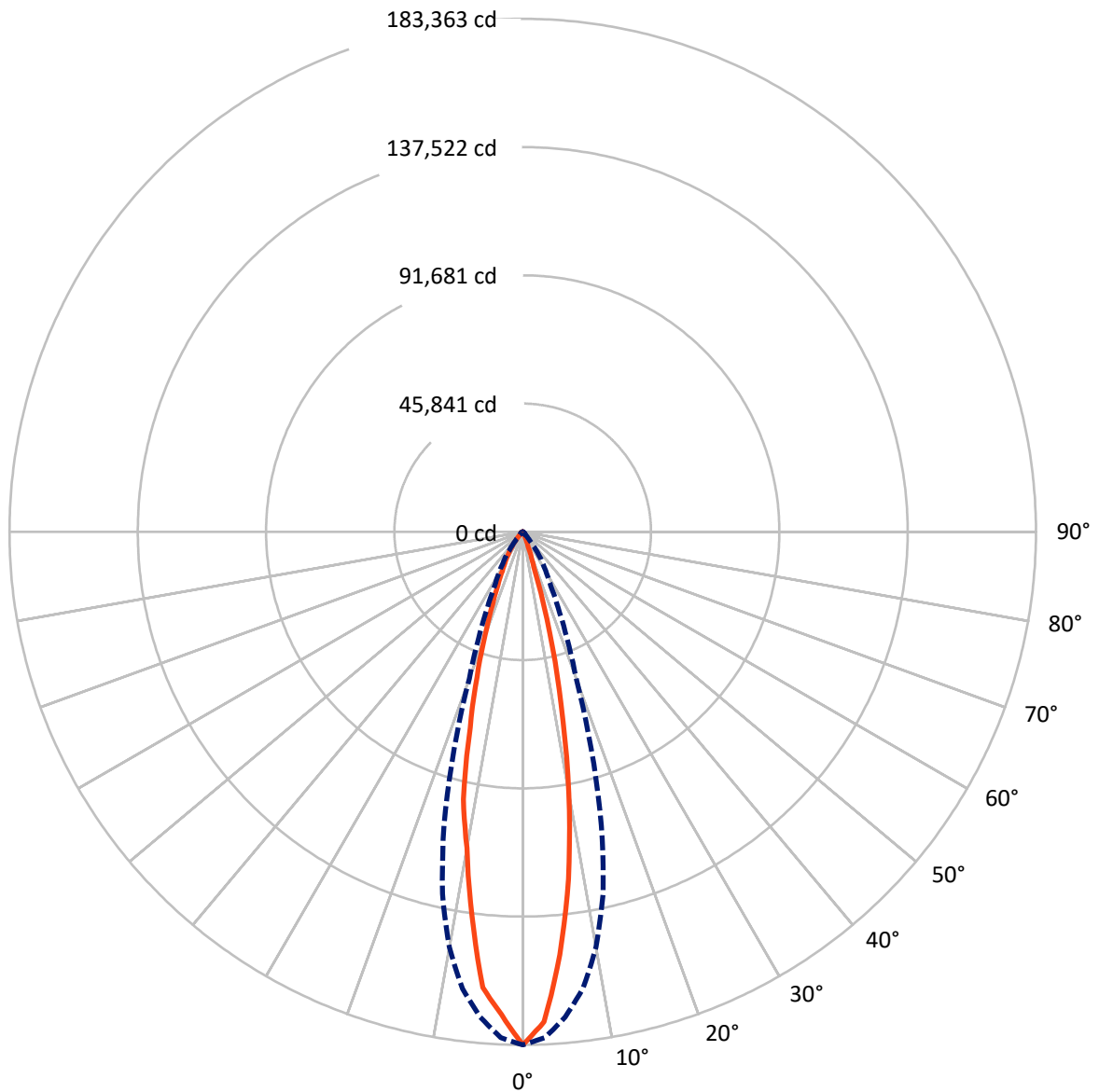
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Lumen Table

90	0.2	0.4	0.7	0.6	0.4	0.6	0.7	0.4	0.2									
80	0.2	0.4	0.7	0.6	0.4	0.6	0.7	0.4	0.2									
70	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.4	0.2	0.1	0.2		
60		0.1	0.3	0.7	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.7	0.7	0.3	0.1			
50	0.2	0.1	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.1	0.2		
40		0.2	0.5	0.7	1.0	2.1	3.8	5.5	5.5	3.8	2.1	1.0	0.7	0.5	0.2			
30	0.2	0.3	1.3	2.7	7.3	20.2	41.8	69.5	69.5	41.8	20.2	7.3	2.7	1.3	0.3	0.2		
20		0.8	4.2	10.9	65.3	204.1	621.9	1162.4	1162.4	621.9	204.1	65.3	10.9	4.2	0.8			
10	0.3	1.5	8.4	27.6	202.8	714.3	2473.1	4208.6	4208.6	2473.1	714.3	202.8	27.6	8.4	1.5	0.3		
0		2.1	10.4	33.1	225.9	788.2	2724.0	4471.7	4471.7	2724.0	788.2	225.9	33.1	10.4	2.1			
-10	0.4	2.3	9.2	23.2	133.9	434.4	1205.5	2118.6	2118.6	1205.5	434.4	133.9	23.2	9.2	2.3	0.4		
-20		2.1	7.7	15.5	56.0	217.1	447.5	651.7	651.7	447.5	217.1	56.0	15.5	7.7	2.1			
-30	0.4	1.8	6.5	12.1	22.7	67.6	153.5	217.8	217.8	153.5	67.6	22.7	12.1	6.5	1.8	0.4		
-40		1.1	4.7	10.0	16.2	24.2	35.0	45.9	45.9	35.0	24.2	16.2	10.0	4.7	1.1			
-50	0.2	0.6	2.4	6.4	11.4	15.9	19.6	21.9	21.9	19.6	15.9	11.4	6.4	2.4	0.6	0.2		
-60		0.2	0.9	2.4	4.8	7.7	10.3	11.9	11.9	10.3	7.7	4.8	2.4	0.9	0.2			
-70	0.2	0.2	0.9	2.4	4.8	7.7	10.3	11.9	11.9	10.3	7.7	4.8	2.4	0.9	0.2	0.2		
-80		0.2	0.7	2.3	5.9	8.5	5.9	2.3	0.7	0.2								
-90	0.2	0.7	2.3	5.9	8.5	5.9	2.3	0.7	0.2									

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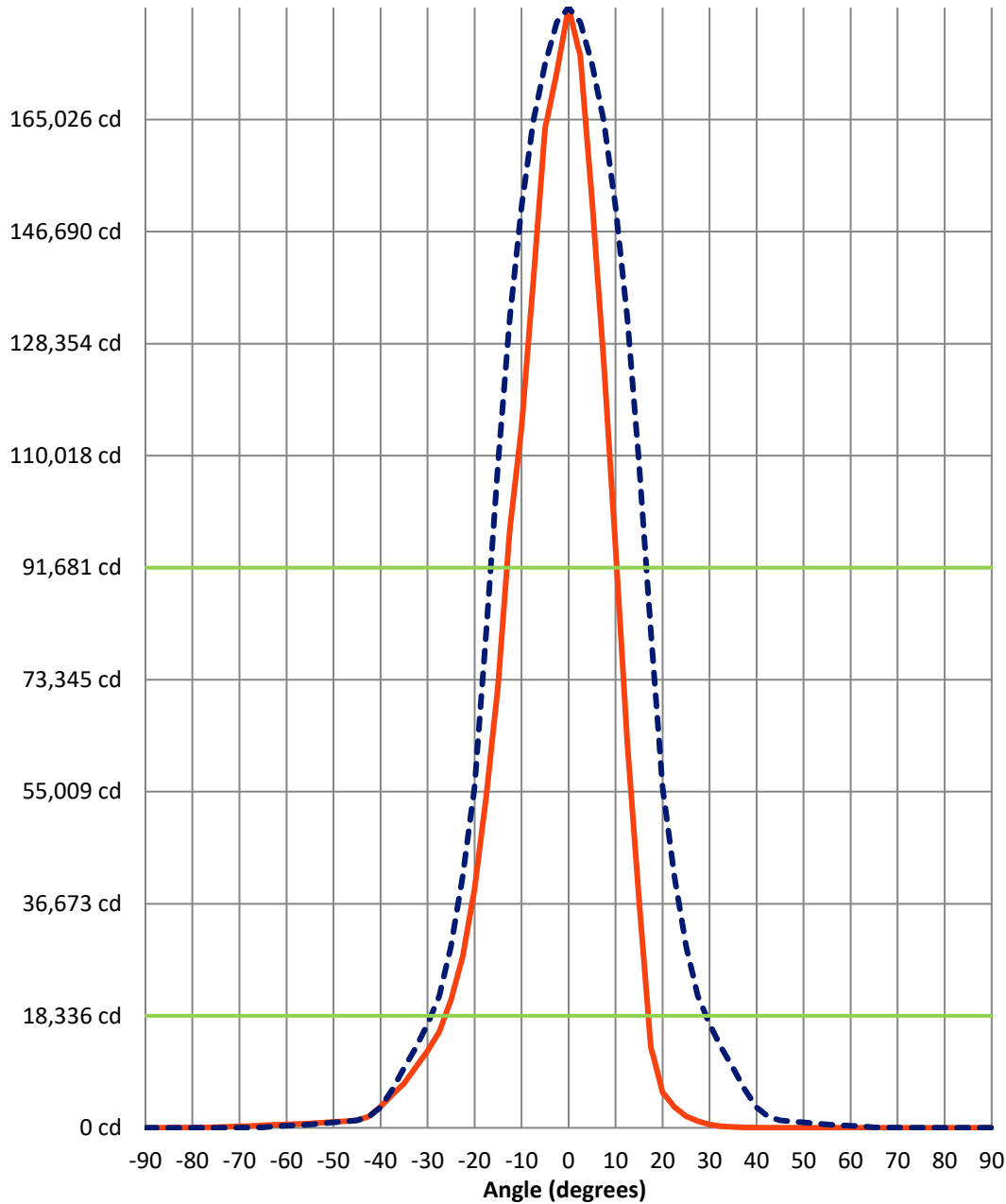
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 24491.1
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 41744.7
 Efficiency: 86.2%

Spill:
 Lumens: 6659.9
 Efficiency: 13.8%

- 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°	6.7	7.5	8.4	8.0	7.6	7.1	6.7	7.1	7.6	8.0	8.4
87.5°	6.7	6.8	6.8	6.9	7.0	7.1	7.1	7.1	7.0	6.9	6.7
85°	6.7	6.8	7.0	7.1	7.3	7.4	7.6	7.5	7.3	7.0	6.7
82.5°	6.7	6.9	7.1	7.4	7.6	7.8	8.0	7.9	7.6	7.3	7.2
80°	6.7	7.0	7.3	7.6	7.9	8.2	8.4	8.1	7.9	7.8	7.9
77.5°	6.7	7.1	7.4	7.8	8.2	8.4	8.4	8.2	8.2	8.3	8.4
75°	6.7	7.1	7.6	8.0	8.4	8.4	8.4	8.3	8.4	8.4	8.4
72.5°	6.7	7.2	7.7	8.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4
70°	6.7	7.3	7.9	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
67.5°	6.7	7.4	8.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
65°	6.7	7.4	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
62.5°	6.7	7.5	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
60°	6.7	7.5	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
57.5°	6.7	7.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
55°	6.7	7.7	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
52.5°	6.7	7.7	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
50°	6.7	7.8	8.4	8.4	8.4	8.4	8.4	8.5	8.4	8.4	9.1
47.5°	6.7	7.8	8.4	8.4	8.4	8.4	8.4	8.6	8.4	8.4	9.8
45°	6.7	7.9	8.4	8.4	8.4	8.4	8.5	8.8	8.5	8.9	10.5
42.5°	6.7	8.0	8.4	8.4	8.4	8.4	8.7	8.9	8.6	9.3	10.9
40°	6.7	8.0	8.4	8.4	8.4	8.4	8.9	9.0	8.8	9.7	11.2
37.5°	6.7	8.0	8.4	8.4	8.4	8.4	9.1	9.1	9.3	10.3	11.6
35°	6.7	8.1	8.4	8.4	8.4	8.5	9.3	9.2	9.7	11.1	11.9
32.5°	6.7	8.1	8.4	8.4	8.4	8.7	9.5	9.3	10.2	12.0	13.1
30°	6.7	8.2	8.4	8.4	8.4	8.8	9.6	9.4	10.6	13.0	14.5
27.5°	6.7	8.2	8.4	8.4	8.4	9.0	9.7	9.8	11.2	14.3	16.1
25°	6.7	8.2	8.4	8.4	8.4	9.2	9.8	10.1	12.1	15.6	18.0
22.5°	6.7	8.3	8.4	8.4	8.4	9.4	9.9	10.5	13.1	17.0	21.5
20°	6.7	8.3	8.4	8.4	8.4	9.5	10.0	10.8	14.2	18.6	25.3
17.5°	6.7	8.3	8.4	8.4	8.4	9.6	10.1	11.1	15.2	20.2	29.2
15°	6.7	8.3	8.4	8.4	8.4	9.7	10.3	11.6	16.3	21.8	33.2
12.5°	6.7	8.4	8.4	8.4	8.4	9.8	10.5	12.4	17.8	23.5	37.3
10°	6.7	8.4	8.4	8.4	8.4	9.9	10.7	13.2	19.8	26.9	42.6
7.5°	6.7	8.4	8.4	8.4	8.4	9.9	11.0	14.1	21.6	30.7	50.6
5°	6.7	8.4	8.4	8.4	8.4	10.0	11.2	15.0	23.5	34.5	58.6
2.5°	6.7	8.4	8.4	8.4	8.4	10.0	11.5	15.9	25.2	38.2	66.3
0°	6.7	8.4	8.4	8.4	8.4	10.0	11.7	16.7	26.8	41.8	73.6
-2.5°	6.7	8.4	8.4	8.4	8.4	10.2	12.8	19.0	31.6	50.6	86.9
-5°	6.7	8.4	8.4	8.4	8.4	10.3	13.9	21.3	36.0	59.0	99.3
-7.5°	6.7	8.4	8.4	8.4	8.4	10.5	14.8	23.3	40.2	66.7	110.6
-10°	6.7	8.4	8.4	8.4	8.4	10.6	15.7	25.2	43.8	73.4	120.4
-12.5°	6.7	8.4	8.4	8.4	8.4	10.6	16.4	26.7	46.8	79.3	129.2
-15°	6.7	8.3	8.4	8.4	8.4	10.6	16.9	28.0	49.7	84.9	136.5
-17.5°	6.7	8.3	8.4	8.4	8.4	10.6	17.2	29.4	52.3	89.2	141.9
-20°	6.7	8.3	8.4	8.4	8.4	10.5	17.5	30.7	54.0	92.0	145.3



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.7	8.3	8.4	8.4	8.4	10.4	17.9	31.5	54.6	93.2	146.5
-25°	6.7	8.3	8.4	8.4	8.4	10.4	17.9	32.0	54.0	92.7	145.5
-27.5°	6.7	8.3	8.4	8.4	8.4	10.4	17.6	31.9	52.2	91.1	144.6
-30°	6.7	8.2	8.4	8.4	8.4	10.3	17.0	31.3	51.1	88.9	141.5
-32.5°	6.7	8.2	8.4	8.4	8.5	10.0	16.0	30.5	50.3	85.0	136.0
-35°	6.7	8.2	8.4	8.4	8.7	9.6	15.4	29.3	48.8	79.3	128.0
-37.5°	6.7	8.2	8.4	8.4	8.8	9.3	14.9	27.5	46.6	71.8	115.4
-40°	6.7	8.1	8.4	8.4	8.9	9.4	14.2	25.2	43.6	67.0	102.7
-42.5°	6.7	8.1	8.4	8.4	9.0	9.6	13.2	22.3	40.2	61.5	89.0
-45°	6.7	8.1	8.4	8.5	9.0	9.7	12.1	19.7	36.2	55.0	75.6
-47.5°	6.7	8.1	8.4	8.5	9.1	9.8	10.7	18.0	31.5	48.0	67.5
-50°	6.7	8.0	8.4	8.5	9.1	9.9	10.6	16.0	25.4	41.0	58.8
-52.5°	6.7	8.0	8.4	8.5	9.1	10.0	10.7	13.8	21.4	33.7	49.4
-55°	6.7	8.0	8.4	8.5	9.1	10.0	10.8	11.5	18.2	25.9	40.5
-57.5°	6.7	7.9	8.4	8.5	9.0	9.9	11.0	11.7	15.1	21.3	31.2
-60°	6.7	7.9	8.4	8.5	9.0	9.8	11.0	11.7	12.5	17.8	23.3
-62.5°	6.7	7.9	8.4	8.5	8.9	9.7	10.8	11.7	12.3	14.2	19.5
-65°	6.7	7.9	8.4	8.5	8.8	9.5	10.5	11.6	12.1	13.1	15.6
-67.5°	6.7	7.8	8.4	8.4	8.8	9.3	10.2	11.1	11.7	12.4	13.7
-70°	6.7	7.8	8.4	8.4	8.7	9.2	9.9	10.6	11.2	11.7	12.7
-72.5°	6.7	7.8	8.4	8.4	8.5	8.9	9.6	10.1	10.6	11.1	11.6
-75°	6.7	7.7	8.4	8.3	8.4	8.7	9.2	9.7	10.1	10.5	10.9
-77.5°	6.7	7.7	8.4	8.3	8.3	8.5	8.8	9.2	9.5	9.8	10.2
-80°	6.7	7.7	8.4	8.2	8.1	8.2	8.4	8.7	9.0	9.2	9.5
-82.5°	6.7	7.7	8.4	8.1	8.0	8.0	8.0	8.3	8.4	8.6	8.8
-85°	6.7	7.6	8.4	8.1	7.8	7.7	7.6	7.9	8.1	8.3	8.4
-87.5°	6.7	7.6	8.4	8.0	7.7	7.4	7.1	7.5	7.8	8.1	8.4
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.0	7.6	7.1	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.3	5.9	5.4
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.3	6.2
82.5°	7.2	7.1	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	7.8	7.6	7.2	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	8.1	7.7	7.2	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	8.1	7.7	7.3	6.9	6.7	6.7	6.7	7.1	7.3	7.3	7.1
72.5°	8.2	7.7	7.3	6.9	7.1	7.5	7.9	8.2	8.6	8.9	9.1
70°	8.2	7.8	7.6	7.7	8.1	8.6	9.3	10.2	11.1	11.7	12.7
67.5°	8.3	8.1	8.2	8.5	9.0	9.8	10.9	13.1	15.4	16.7	18.1
65°	8.4	8.3	8.6	9.1	9.9	12.0	14.5	17.2	21.3	23.7	24.8
62.5°	8.4	8.5	8.9	10.1	12.5	15.1	18.6	23.1	28.7	32.6	32.8
60°	8.4	8.6	10.0	12.3	15.0	18.3	22.8	29.1	37.3	43.4	39.5
57.5°	8.4	9.4	11.7	14.2	17.1	20.8	26.8	34.7	42.5	50.8	43.6
55°	8.8	10.7	13.0	15.6	18.9	22.9	29.1	35.8	44.3	46.8	38.6
52.5°	9.9	11.8	13.8	16.6	20.3	23.8	27.7	33.6	36.3	36.8	30.6
50°	10.9	12.4	14.2	17.4	20.9	23.4	24.3	27.7	27.9	25.3	22.0
47.5°	11.5	12.9	14.4	17.7	20.9	22.4	22.0	21.2	19.4	18.0	14.0
45°	11.9	13.4	14.9	18.1	20.7	21.3	19.4	15.4	16.0	14.2	13.2
42.5°	12.4	13.9	16.1	18.6	20.3	20.2	17.5	16.2	15.1	14.7	14.3
40°	12.8	14.4	17.7	19.9	20.4	19.8	19.9	19.0	16.3	17.4	17.5
37.5°	13.2	16.0	19.9	23.3	21.0	22.2	23.7	24.0	22.7	22.1	24.4
35°	13.5	17.7	24.4	28.1	26.1	26.8	30.0	31.3	31.6	31.5	33.2
32.5°	14.6	19.6	30.3	33.9	35.0	35.5	37.6	40.9	44.5	46.1	44.1
30°	17.0	25.1	37.1	41.0	45.3	51.6	50.1	52.6	60.8	64.2	67.3
27.5°	20.8	32.2	43.9	50.5	58.3	72.5	77.6	72.4	79.4	86.1	96.2
25°	25.2	50.2	51.5	61.4	78.8	100.2	113.9	119.8	104.2	115.8	142.8
22.5°	34.9	73.8	78.6	73.0	102.5	134.2	161.1	175.6	173.7	162.5	198.8
20°	52.1	97.7	110.4	112.8	135.3	173.1	215.1	239.7	262.9	303.4	409.6
17.5°	72.3	124.2	144.1	164.4	205.3	238.9	274.8	311.3	366.4	486.7	847.2
15°	94.7	152.7	179.4	220.4	281.4	337.6	381.5	414.2	511.4	763.6	1401.1
12.5°	118.6	182.7	215.7	279.7	361.6	441.4	503.6	569.4	733.1	1229.0	2281.9
10°	143.1	213.7	252.8	341.1	444.5	548.5	629.1	728.2	984.0	1755.8	3243.1
7.5°	170.4	246.7	290.5	403.1	528.3	657.0	756.3	888.2	1240.0	2288.2	4210.4
5°	196.9	281.2	330.7	456.7	598.9	752.3	875.0	1046.4	1493.4	2804.3	5150.4
2.5°	221.2	314.7	370.1	505.6	658.2	824.8	956.0	1141.1	1668.8	3143.4	5842.3
0°	242.6	346.3	408.2	550.5	712.8	891.8	1032.3	1228.1	1810.3	3348.0	6255.9
-2.5°	250.8	358.5	423.8	561.8	720.4	903.2	1046.3	1235.7	1853.7	3430.9	6316.8
-5°	255.4	367.9	437.6	569.2	723.0	907.6	1054.6	1235.5	1842.9	3359.0	6019.8
-7.5°	256.9	374.2	449.2	570.2	709.3	878.4	1013.3	1170.7	1697.7	3062.1	5379.7
-10°	255.4	373.2	445.7	549.1	673.9	827.2	958.1	1099.8	1530.2	2689.5	4667.7
-12.5°	250.7	366.4	439.1	527.0	637.2	772.3	900.1	1024.3	1344.2	2246.1	3934.5
-15°	244.4	358.3	432.1	504.4	600.3	714.5	840.2	945.0	1150.6	1773.0	3206.7
-17.5°	237.0	349.4	425.2	482.2	564.2	654.7	781.7	878.9	1007.9	1471.4	2621.2
-20°	228.7	339.9	418.6	461.1	530.5	609.3	725.4	824.1	933.2	1233.6	1993.2



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	220.1	330.1	409.0	449.4	508.3	578.1	668.7	766.2	857.4	971.2	1460.1
-25°	215.8	315.9	394.8	441.4	487.7	547.7	613.9	705.4	786.8	896.2	1178.2
-27.5°	213.8	302.5	378.0	432.5	467.6	520.1	574.8	645.5	738.7	835.4	937.6
-30°	208.8	282.7	360.7	420.0	454.8	497.5	543.3	603.3	692.4	781.7	872.0
-32.5°	196.5	261.6	338.5	400.0	443.0	476.2	520.8	575.8	647.3	729.3	810.4
-35°	180.7	243.1	313.4	380.1	429.6	461.9	502.3	549.6	605.6	679.0	765.7
-37.5°	164.8	222.6	287.1	356.2	408.0	450.5	482.8	525.7	574.4	632.6	717.9
-40°	147.1	200.1	261.8	326.7	387.3	433.9	469.9	502.4	544.4	601.6	662.6
-42.5°	128.2	178.6	235.2	295.8	356.2	409.6	455.2	485.9	521.5	571.1	626.8
-45°	112.1	155.1	206.9	262.7	319.5	378.3	426.9	471.5	504.0	541.6	591.2
-47.5°	95.1	131.5	178.6	227.5	281.0	336.1	392.9	440.1	486.0	520.3	555.4
-50°	79.2	111.8	147.9	193.3	240.6	291.9	344.8	400.8	449.0	493.3	531.5
-52.5°	68.4	91.1	123.1	158.9	201.3	245.9	295.5	346.8	399.8	450.3	490.0
-55°	56.8	76.0	98.6	129.0	163.2	202.4	245.0	292.2	339.0	388.4	433.7
-57.5°	45.6	62.1	79.7	101.0	129.7	160.5	198.1	237.4	280.2	322.5	358.5
-60°	34.5	48.8	64.4	80.4	98.0	124.8	152.1	185.3	221.6	256.8	288.4
-62.5°	24.3	36.0	49.7	63.9	78.2	92.1	114.0	138.8	163.6	193.2	221.0
-65°	20.2	25.2	35.1	47.7	60.6	73.5	86.1	98.3	118.9	139.8	159.2
-67.5°	16.0	20.5	25.1	31.3	42.6	54.1	66.1	77.3	88.2	98.7	110.9
-70°	14.2	16.0	19.6	23.9	28.1	33.9	44.0	54.4	65.2	75.9	85.2
-72.5°	12.8	14.5	16.2	17.9	21.4	25.0	28.5	32.0	38.7	48.0	57.4
-75°	11.7	13.0	14.6	16.2	17.6	19.1	20.9	24.0	27.1	30.2	33.4
-77.5°	10.7	11.6	12.7	14.2	15.5	16.6	17.8	19.2	20.6	22.2	23.8
-80°	9.7	10.0	10.6	11.4	12.5	13.6	14.7	15.7	16.7	17.8	18.9
-82.5°	9.0	9.2	9.4	9.5	10.0	10.6	11.4	12.2	12.8	13.4	14.1
-85°	8.4	8.4	8.5	8.6	8.8	9.1	9.4	9.8	10.0	10.2	10.3
-87.5°	8.2	8.0	7.8	7.7	7.7	7.8	7.8	7.9	8.0	8.0	8.0
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.3	5.9	5.4



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.7	7.5	8.3	9.2	10.0	10.8	11.7	12.6	13.4	14.2	15.1
87.5°	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.7	3.3	2.9	2.5
85°	6.1	5.9	5.6	5.3	5.0	4.6	4.2	3.7	3.3	2.9	2.5
82.5°	6.7	6.3	5.9	5.5	5.0	4.6	4.2	3.7	3.3	2.9	2.5
80°	6.7	6.3	5.9	5.5	5.1	4.6	4.2	3.8	3.3	2.9	2.5
77.5°	6.7	6.4	6.0	5.5	5.1	4.7	4.2	3.8	3.4	3.3	3.2
75°	6.8	6.6	6.5	6.3	5.9	5.6	5.3	5.0	4.7	4.5	4.1
72.5°	9.2	9.2	8.9	8.7	8.2	7.8	7.5	7.0	6.5	6.1	5.7
70°	13.7	14.2	13.8	12.9	11.4	10.2	9.6	8.9	8.2	7.5	6.8
67.5°	19.1	19.1	17.7	15.9	13.6	11.4	10.5	9.7	8.8	8.3	8.2
65°	24.7	23.1	20.7	17.9	14.7	11.6	10.7	9.8	8.9	8.4	8.4
62.5°	30.9	25.8	20.8	17.1	14.1	11.6	10.3	9.1	8.0	7.2	7.0
60°	33.2	24.6	17.8	14.8	12.3	10.3	9.0	8.0	7.2	6.7	6.7
57.5°	32.2	22.0	14.3	11.9	10.1	8.8	7.9	7.1	6.3	5.6	5.4
55°	27.4	17.9	10.7	9.2	8.3	7.3	6.5	6.0	5.5	5.0	5.0
52.5°	20.2	13.8	9.6	8.1	7.6	7.1	6.6	6.5	6.3	6.1	5.9
50°	14.8	10.7	9.2	8.3	7.9	7.9	8.2	8.2	8.0	7.8	7.6
47.5°	12.0	10.4	9.4	8.5	8.7	9.4	9.8	9.8	9.7	9.5	9.2
45°	11.6	10.7	10.2	10.7	11.3	11.7	11.7	11.5	12.0	12.2	11.9
42.5°	12.8	12.9	13.9	14.7	14.2	15.2	16.1	16.1	16.9	17.5	17.5
40°	18.0	17.6	20.2	21.0	21.3	22.3	25.1	24.8	26.1	29.7	30.3
37.5°	25.8	27.3	29.0	30.6	35.1	37.9	43.6	48.0	50.4	57.1	62.3
35°	36.5	40.1	41.1	50.0	59.1	67.7	75.5	84.9	88.9	103.9	114.2
32.5°	51.7	59.2	69.3	84.0	101.3	121.9	121.0	152.3	163.7	194.3	229.5
30°	72.3	93.3	126.7	149.8	192.4	225.9	242.8	291.8	357.6	420.4	506.0
27.5°	117.5	161.7	222.1	301.9	343.4	393.9	470.2	528.7	678.9	822.4	927.7
25°	202.0	294.8	408.9	526.7	600.5	666.6	806.0	908.3	1121.2	1281.1	1509.2
22.5°	386.3	584.7	729.1	816.5	974.8	1181.7	1282.2	1563.5	1879.2	2282.3	2615.5
20°	650.9	963.1	1285.0	1481.5	1662.2	2119.0	2319.2	2846.1	3517.3	4275.9	4908.3
17.5°	1273.7	1558.9	2214.1	2852.5	3332.8	3783.8	5049.6	5953.8	7708.8	9856.8	10847.5
15°	2285.5	3082.8	3847.3	5005.3	6230.8	7594.3	9580.6	13010.1	17317.5	22014.5	27094.9
12.5°	3705.2	5160.5	6528.2	7985.9	9740.3	13090.4	17619.4	23609.1	31348.8	39652.7	49240.8
10°	5300.1	7515.0	9512.6	11713.3	14828.5	19805.5	26518.5	35758.6	49541.7	63630.6	75851.3
7.5°	6728.4	9410.9	12120.5	15305.8	20243.7	27352.1	37010.1	51437.2	69436.6	86871.7	101737.9
5°	8097.1	11230.7	14319.1	18115.8	24339.1	33616.2	46115.4	65907.8	88662.2	108007.8	124300.5
2.5°	9163.5	12654.7	16189.0	20654.2	27754.4	38309.8	52506.4	76462.5	103926.0	125381.1	144010.9
0°	9774.5	13122.4	16958.9	21585.2	29755.1	41252.9	55812.6	81321.2	108672.0	132515.1	150721.4
-2.5°	9654.8	13163.0	17085.2	21765.3	29509.2	40548.0	54900.7	79234.1	106456.5	127950.8	145592.3
-5°	9045.3	12255.0	15713.0	19819.1	26652.0	36710.6	50802.9	73669.7	98933.7	120433.0	138362.9
-7.5°	8094.9	10933.2	13943.5	17517.3	23296.1	32048.6	44161.8	61966.4	84350.4	103822.2	117260.9
-10°	7057.5	9555.0	12271.5	15505.7	20063.6	26925.0	36103.1	48964.7	67272.0	83497.3	95962.8
-12.5°	6073.9	8344.4	10707.5	13408.1	16858.0	22262.3	29237.8	38840.1	50641.4	63978.7	76711.5
-15°	5130.7	7124.5	9186.7	11686.5	14686.7	18353.3	23042.7	29503.3	37256.6	45998.2	55428.1
-17.5°	4232.7	5983.4	7923.6	10106.3	12585.6	15386.9	19319.7	23749.9	28672.1	34367.9	39768.0
-20°	3320.7	4938.3	6698.8	8642.0	10866.4	13420.2	16218.6	19546.4	23107.4	26999.0	31038.6



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2534.4	3912.8	5453.2	7222.3	9310.6	11561.7	13732.4	15916.7	18551.2	21117.7	23695.4
-25°	1774.7	2867.8	4306.1	5997.2	7770.4	9651.8	11262.9	12802.5	14632.0	16277.5	17991.0
-27.5°	1305.3	2056.3	3245.7	4745.6	6335.8	7626.3	8982.7	10245.5	11570.3	12614.7	13821.6
-30°	995.3	1427.8	2311.6	3481.5	4757.4	5881.9	6928.7	8072.3	9161.6	10068.2	10827.0
-32.5°	907.8	1072.6	1520.0	2335.0	3257.3	4255.0	5160.7	6156.1	7069.9	7824.0	8428.0
-35°	853.2	942.5	1072.9	1484.4	2025.1	2812.9	3568.6	4383.8	5141.2	5763.3	6263.5
-37.5°	806.5	884.9	961.8	1039.2	1337.1	1669.3	2214.8	2804.9	3316.5	3885.3	4329.4
-40°	748.6	836.6	898.8	962.3	1033.9	1117.0	1404.8	1663.3	1952.6	2354.2	2686.7
-42.5°	685.0	759.4	836.8	899.1	954.2	1012.9	1078.1	1142.7	1275.7	1444.6	1582.0
-45°	643.4	692.3	748.6	819.2	883.7	932.6	981.0	1028.0	1072.4	1112.4	1145.8
-47.5°	598.4	640.0	685.6	734.2	781.9	836.2	887.2	929.7	963.5	995.7	1024.4
-50°	558.4	589.1	627.7	665.4	703.0	741.6	779.6	812.5	845.0	874.4	903.0
-52.5°	526.1	552.0	577.3	602.6	633.1	662.9	691.1	716.3	739.4	759.4	780.5
-55°	471.6	504.2	536.6	559.1	578.4	597.1	615.6	636.5	654.8	670.5	685.3
-57.5°	397.6	437.1	473.1	499.5	524.5	548.0	564.4	576.4	588.0	599.0	609.1
-60°	319.1	348.7	383.2	417.1	448.2	476.5	494.8	510.4	523.5	534.5	544.3
-62.5°	246.6	272.0	300.2	327.4	352.6	377.5	401.7	422.8	440.9	456.3	468.9
-65°	179.6	201.8	225.7	248.9	271.1	292.9	313.0	331.3	347.8	362.6	376.3
-67.5°	127.9	144.1	161.5	177.2	194.9	214.0	233.0	249.9	265.0	276.9	285.8
-70°	94.0	103.2	114.7	128.2	142.8	156.6	170.2	183.3	195.7	206.4	216.0
-72.5°	66.8	76.3	85.4	93.9	103.0	112.0	121.3	130.9	140.8	149.0	156.2
-75°	36.7	41.4	49.1	56.6	63.8	70.7	76.9	82.3	87.0	90.9	94.3
-77.5°	26.0	29.1	32.4	35.5	38.5	42.1	46.0	49.8	53.6	56.7	59.5
-80°	20.1	21.8	23.8	25.8	27.8	30.3	32.9	35.6	38.2	40.0	41.8
-82.5°	14.7	16.0	17.3	18.6	19.8	21.4	23.0	24.5	26.0	27.1	28.1
-85°	10.5	11.3	12.2	13.2	14.1	15.5	17.0	18.4	19.7	20.7	21.6
-87.5°	8.1	8.6	9.1	9.5	10.0	11.2	12.5	13.8	15.0	15.5	15.9
-90°	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.7	3.3	2.9	2.5



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15.9	16.7	16.7	16.7	16.7	16.7	15.9	15.1	14.2	13.4	12.6
87.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.7
85°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.7
82.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.7
80°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.8
77.5°	3.2	3.3	2.5	1.7	2.5	3.3	3.2	3.2	3.3	3.4	3.8
75°	3.7	3.3	2.5	1.7	2.5	3.3	3.7	4.1	4.5	4.7	5.0
72.5°	5.4	5.0	5.0	5.0	5.0	5.0	5.4	5.7	6.1	6.5	7.0
70°	6.0	5.1	5.0	5.0	5.0	5.1	6.0	6.8	7.5	8.2	8.9
67.5°	8.2	8.3	8.4	8.4	8.4	8.3	8.2	8.2	8.3	8.8	9.7
65°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.9	9.8
62.5°	6.9	6.8	6.7	6.7	6.7	6.8	6.9	7.0	7.2	8.0	9.1
60°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.2	8.0
57.5°	5.2	5.1	5.0	5.0	5.0	5.1	5.2	5.4	5.6	6.3	7.1
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°	5.6	5.2	5.0	5.0	5.0	5.2	5.6	5.9	6.1	6.3	6.5
50°	7.2	6.8	6.7	6.7	6.7	6.8	7.2	7.6	7.8	8.0	8.2
47.5°	8.9	8.5	8.4	8.4	8.4	8.5	8.9	9.2	9.5	9.7	9.8
45°	11.4	10.5	10.0	10.0	10.0	10.5	11.4	11.9	12.2	12.0	11.5
42.5°	17.3	16.9	16.5	16.7	16.5	16.9	17.3	17.5	17.5	16.9	16.1
40°	31.8	32.7	33.1	33.5	33.1	32.7	31.8	30.3	29.7	26.1	24.8
37.5°	65.2	64.0	61.1	61.9	61.1	64.0	65.2	62.3	57.1	50.4	48.0
35°	121.1	128.3	133.4	137.2	133.4	128.3	121.1	114.2	103.9	88.9	84.9
32.5°	242.5	252.4	249.6	244.3	249.6	252.4	242.5	229.5	194.3	163.7	152.3
30°	556.6	585.7	577.8	543.8	577.8	585.7	556.6	506.0	420.4	357.6	291.8
27.5°	1003.4	1073.6	1119.4	1095.9	1119.4	1073.6	1003.4	927.7	822.4	678.9	528.7
25°	1706.0	1842.3	1939.9	1899.0	1939.9	1842.3	1706.0	1509.2	1281.1	1121.2	908.3
22.5°	3033.3	3257.2	3390.2	3424.9	3390.2	3257.2	3033.3	2615.5	2282.3	1879.2	1563.5
20°	5703.7	5882.2	5917.7	5829.2	5917.7	5882.2	5703.7	4908.3	4275.9	3517.3	2846.1
17.5°	13723.8	14548.1	13943.9	13309.8	13943.9	14548.1	13723.8	10847.5	9856.8	7708.8	5953.8
15°	31393.9	34874.9	36857.9	37262.5	36857.9	34874.9	31393.9	27094.9	22014.5	17317.5	13010.1
12.5°	55318.0	60927.6	63242.6	63026.3	63242.6	60927.6	55318.0	49240.8	39652.7	31348.8	23609.1
10°	83690.5	89687.9	94848.1	94900.4	94848.1	89687.9	83690.5	75851.3	63630.6	49541.7	35758.6
7.5°	112056.5	118973.0	123827.8	125212.7	123827.8	118973.0	112056.5	101737.9	86871.7	69436.6	51437.2
5°	136889.2	145452.3	150271.9	151743.7	150271.9	145452.3	136889.2	124300.5	108007.8	88662.2	65907.8
2.5°	158722.0	169212.2	174498.1	175319.9	174498.1	169212.2	158722.0	144010.9	125381.1	103926.0	76462.5
0°	164728.9	174080.1	180925.7	183362.6	180925.7	174080.1	164728.9	150721.4	132515.1	108672.0	81321.2
-2.5°	158806.9	166988.1	171068.2	172769.9	171068.2	166988.1	158806.9	145592.3	127950.8	106456.5	79234.1
-5°	149446.1	157081.1	162277.3	163480.7	162277.3	157081.1	149446.1	138362.9	120433.0	98933.7	73669.7
-7.5°	126124.5	133639.5	135974.3	138621.2	135974.3	133639.5	126124.5	117260.9	103822.2	84350.4	61966.4
-10°	105379.4	111225.5	112833.4	114708.7	112833.4	111225.5	105379.4	95962.8	83497.3	67272.0	48964.7
-12.5°	87192.5	92983.2	95604.8	97848.5	95604.8	92983.2	87192.5	76711.5	63978.7	50641.4	38840.1
-15°	63880.3	69322.9	71203.0	72416.8	71203.0	69322.9	63880.3	55428.1	45998.2	37256.6	29503.3
-17.5°	46273.7	50418.8	52882.1	54310.1	52882.1	50418.8	46273.7	39768.0	34367.9	28672.1	23749.9
-20°	34589.5	36964.9	38873.0	39082.9	38873.0	36964.9	34589.5	31038.6	26999.0	23107.4	19546.4



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	25855.0	27270.0	28148.4	28095.3	28148.4	27270.0	25855.0	23695.4	21117.7	18551.2	15916.7
-25°	19297.7	20249.0	20854.0	20962.8	20854.0	20249.0	19297.7	17991.0	16277.5	14632.0	12802.5
-27.5°	14685.6	15355.3	15702.3	15720.8	15702.3	15355.3	14685.6	13821.6	12614.7	11570.3	10245.5
-30°	11377.7	11935.5	12305.5	12588.7	12305.5	11935.5	11377.7	10827.0	10068.2	9161.6	8072.3
-32.5°	8935.6	9411.7	9734.5	9926.7	9734.5	9411.7	8935.6	8428.0	7824.0	7069.9	6156.1
-35°	6699.0	7080.4	7308.6	7251.4	7308.6	7080.4	6699.0	6263.5	5763.3	5141.2	4383.8
-37.5°	4720.5	5043.7	5273.8	5419.3	5273.8	5043.7	4720.5	4329.4	3885.3	3316.5	2804.9
-40°	2974.4	3197.9	3357.0	3458.4	3357.0	3197.9	2974.4	2686.7	2354.2	1952.6	1663.3
-42.5°	1694.0	1777.6	1833.8	1863.9	1833.8	1777.6	1694.0	1582.0	1444.6	1275.7	1142.7
-45°	1171.6	1192.5	1207.6	1216.4	1207.6	1192.5	1171.6	1145.8	1112.4	1072.4	1028.0
-47.5°	1047.0	1064.0	1075.2	1080.8	1075.2	1064.0	1047.0	1024.4	995.7	963.5	929.7
-50°	928.8	949.8	962.4	967.1	962.4	949.8	928.8	903.0	874.4	845.0	812.5
-52.5°	800.3	817.3	828.8	834.9	828.8	817.3	800.3	780.5	759.4	739.4	716.3
-55°	698.3	709.2	714.8	716.1	714.8	709.2	698.3	685.3	670.5	654.8	636.5
-57.5°	617.7	624.6	630.2	634.1	630.2	624.6	617.7	609.1	599.0	588.0	576.4
-60°	552.2	558.2	561.3	562.2	561.3	558.2	552.2	544.3	534.5	523.5	510.4
-62.5°	478.7	485.9	491.4	495.2	491.4	485.9	478.7	468.9	456.3	440.9	422.8
-65°	388.7	399.6	405.3	408.2	405.3	399.6	388.7	376.3	362.6	347.8	331.3
-67.5°	293.0	298.5	299.8	299.5	299.8	298.5	293.0	285.8	276.9	265.0	249.9
-70°	225.0	233.1	236.2	237.6	236.2	233.1	225.0	216.0	206.4	195.7	183.3
-72.5°	162.7	168.4	171.8	174.0	171.8	168.4	162.7	156.2	149.0	140.8	130.9
-75°	97.1	99.5	101.0	102.1	101.0	99.5	97.1	94.3	90.9	87.0	82.3
-77.5°	62.2	64.8	66.0	66.9	66.0	64.8	62.2	59.5	56.7	53.6	49.8
-80°	43.4	44.9	45.1	45.2	45.1	44.9	43.4	41.8	40.0	38.2	35.6
-82.5°	29.1	30.0	30.1	30.1	30.1	30.0	29.1	28.1	27.1	26.0	24.5
-85°	22.5	23.3	23.4	23.4	23.4	23.3	22.5	21.6	20.7	19.7	18.4
-87.5°	16.3	16.7	17.5	18.4	17.5	16.7	16.3	15.9	15.5	15.0	13.8
-90°	2.1	1.7	0.9	0.0	0.9	1.7	2.1	2.5	2.9	3.3	3.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.7	10.8	10.0	9.2	8.3	7.5	6.7	6.7	6.7	6.7	6.7
87.5°	4.2	4.6	5.0	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7
85°	4.2	4.6	5.0	5.3	5.6	5.9	6.1	6.2	6.3	6.5	6.7
82.5°	4.2	4.6	5.0	5.5	5.9	6.3	6.7	6.7	6.7	6.7	6.7
80°	4.2	4.6	5.1	5.5	5.9	6.3	6.7	6.7	6.7	6.7	6.7
77.5°	4.2	4.7	5.1	5.5	6.0	6.4	6.7	6.7	6.7	6.7	6.7
75°	5.3	5.6	5.9	6.3	6.5	6.6	6.8	7.1	7.3	7.3	7.1
72.5°	7.5	7.8	8.2	8.7	8.9	9.2	9.2	9.1	8.9	8.6	8.2
70°	9.6	10.2	11.4	12.9	13.8	14.2	13.7	12.7	11.7	11.1	10.2
67.5°	10.5	11.4	13.6	15.9	17.7	19.1	19.1	18.1	16.7	15.4	13.1
65°	10.7	11.6	14.7	17.9	20.7	23.1	24.7	24.8	23.7	21.3	17.2
62.5°	10.3	11.6	14.1	17.1	20.8	25.8	30.9	32.8	32.6	28.7	23.1
60°	9.0	10.3	12.3	14.8	17.8	24.6	33.2	39.5	43.4	37.3	29.1
57.5°	7.9	8.8	10.1	11.9	14.3	22.0	32.2	43.6	50.8	42.5	34.7
55°	6.5	7.3	8.3	9.2	10.7	17.9	27.4	38.6	46.8	44.3	35.8
52.5°	6.6	7.1	7.6	8.1	9.6	13.8	20.2	30.6	36.8	36.3	33.6
50°	8.2	7.9	7.9	8.3	9.2	10.7	14.8	22.0	25.3	27.9	27.7
47.5°	9.8	9.4	8.7	8.5	9.4	10.4	12.0	14.0	18.0	19.4	21.2
45°	11.7	11.7	11.3	10.7	10.2	10.7	11.6	13.2	14.2	16.0	15.4
42.5°	16.1	15.2	14.2	14.7	13.9	12.9	12.8	14.3	14.7	15.1	16.2
40°	25.1	22.3	21.3	21.0	20.2	17.6	18.0	17.5	17.4	16.3	19.0
37.5°	43.6	37.9	35.1	30.6	29.0	27.3	25.8	24.4	22.1	22.7	24.0
35°	75.5	67.7	59.1	50.0	41.1	40.1	36.5	33.2	31.5	31.6	31.3
32.5°	121.0	121.9	101.3	84.0	69.3	59.2	51.7	44.1	46.1	44.5	40.9
30°	242.8	225.9	192.4	149.8	126.7	93.3	72.3	67.3	64.2	60.8	52.6
27.5°	470.2	393.9	343.4	301.9	222.1	161.7	117.5	96.2	86.1	79.4	72.4
25°	806.0	666.6	600.5	526.7	408.9	294.8	202.0	142.8	115.8	104.2	119.8
22.5°	1282.2	1181.7	974.8	816.5	729.1	584.7	386.3	198.8	162.5	173.7	175.6
20°	2319.2	2119.0	1662.2	1481.5	1285.0	963.1	650.9	409.6	303.4	262.9	239.7
17.5°	5049.6	3783.8	3332.8	2852.5	2214.1	1558.9	1273.7	847.2	486.7	366.4	311.3
15°	9580.6	7594.3	6230.8	5005.3	3847.3	3082.8	2285.5	1401.1	763.6	511.4	414.2
12.5°	17619.4	13090.4	9740.3	7985.9	6528.2	5160.5	3705.2	2281.9	1229.0	733.1	569.4
10°	26518.5	19805.5	14828.5	11713.3	9512.6	7515.0	5300.1	3243.1	1755.8	984.0	728.2
7.5°	37010.1	27352.1	20243.7	15305.8	12120.5	9410.9	6728.4	4210.4	2288.2	1240.0	888.2
5°	46115.4	33616.2	24339.1	18115.8	14319.1	11230.7	8097.1	5150.4	2804.3	1493.4	1046.4
2.5°	52506.4	38309.8	27754.4	20654.2	16189.0	12654.7	9163.5	5842.3	3143.4	1668.8	1141.1
0°	55812.6	41252.9	29755.1	21585.2	16958.9	13122.4	9774.5	6255.9	3348.0	1810.3	1228.1
-2.5°	54900.7	40548.0	29509.2	21765.3	17085.2	13163.0	9654.8	6316.8	3430.9	1853.7	1235.7
-5°	50802.9	36710.6	26652.0	19819.1	15713.0	12255.0	9045.3	6019.8	3359.0	1842.9	1235.5
-7.5°	44161.8	32048.6	23296.1	17517.3	13943.5	10933.2	8094.9	5379.7	3062.1	1697.7	1170.7
-10°	36103.1	26925.0	20063.6	15505.7	12271.5	9555.0	7057.5	4667.7	2689.5	1530.2	1099.8
-12.5°	29237.8	22262.3	16858.0	13408.1	10707.5	8344.4	6073.9	3934.5	2246.1	1344.2	1024.3
-15°	23042.7	18353.3	14686.7	11686.5	9186.7	7124.5	5130.7	3206.7	1773.0	1150.6	945.0
-17.5°	19319.7	15386.9	12585.6	10106.3	7923.6	5983.4	4232.7	2621.2	1471.4	1007.9	878.9
-20°	16218.6	13420.2	10866.4	8642.0	6698.8	4938.3	3320.7	1993.2	1233.6	933.2	824.1



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13732.4	11561.7	9310.6	7222.3	5453.2	3912.8	2534.4	1460.1	971.2	857.4	766.2
-25°	11262.9	9651.8	7770.4	5997.2	4306.1	2867.8	1774.7	1178.2	896.2	786.8	705.4
-27.5°	8982.7	7626.3	6335.8	4745.6	3245.7	2056.3	1305.3	937.6	835.4	738.7	645.5
-30°	6928.7	5881.9	4757.4	3481.5	2311.6	1427.8	995.3	872.0	781.7	692.4	603.3
-32.5°	5160.7	4255.0	3257.3	2335.0	1520.0	1072.6	907.8	810.4	729.3	647.3	575.8
-35°	3568.6	2812.9	2025.1	1484.4	1072.9	942.5	853.2	765.7	679.0	605.6	549.6
-37.5°	2214.8	1669.3	1337.1	1039.2	961.8	884.9	806.5	717.9	632.6	574.4	525.7
-40°	1404.8	1117.0	1033.9	962.3	898.8	836.6	748.6	662.6	601.6	544.4	502.4
-42.5°	1078.1	1012.9	954.2	899.1	836.8	759.4	685.0	626.8	571.1	521.5	485.9
-45°	981.0	932.6	883.7	819.2	748.6	692.3	643.4	591.2	541.6	504.0	471.5
-47.5°	887.2	836.2	781.9	734.2	685.6	640.0	598.4	555.4	520.3	486.0	440.1
-50°	779.6	741.6	703.0	665.4	627.7	589.1	558.4	531.5	493.3	449.0	400.8
-52.5°	691.1	662.9	633.1	602.6	577.3	552.0	526.1	490.0	450.3	399.8	346.8
-55°	615.6	597.1	578.4	559.1	536.6	504.2	471.6	433.7	388.4	339.0	292.2
-57.5°	564.4	548.0	524.5	499.5	473.1	437.1	397.6	358.5	322.5	280.2	237.4
-60°	494.8	476.5	448.2	417.1	383.2	348.7	319.1	288.4	256.8	221.6	185.3
-62.5°	401.7	377.5	352.6	327.4	300.2	272.0	246.6	221.0	193.2	163.6	138.8
-65°	313.0	292.9	271.1	248.9	225.7	201.8	179.6	159.2	139.8	118.9	98.3
-67.5°	233.0	214.0	194.9	177.2	161.5	144.1	127.9	110.9	98.7	88.2	77.3
-70°	170.2	156.6	142.8	128.2	114.7	103.2	94.0	85.2	75.9	65.2	54.4
-72.5°	121.3	112.0	103.0	93.9	85.4	76.3	66.8	57.4	48.0	38.7	32.0
-75°	76.9	70.7	63.8	56.6	49.1	41.4	36.7	33.4	30.2	27.1	24.0
-77.5°	46.0	42.1	38.5	35.5	32.4	29.1	26.0	23.8	22.2	20.6	19.2
-80°	32.9	30.3	27.8	25.8	23.8	21.8	20.1	18.9	17.8	16.7	15.7
-82.5°	23.0	21.4	19.8	18.6	17.3	16.0	14.7	14.1	13.4	12.8	12.2
-85°	17.0	15.5	14.1	13.2	12.2	11.3	10.5	10.3	10.2	10.0	9.8
-87.5°	12.5	11.2	10.0	9.5	9.1	8.6	8.1	8.0	8.0	8.0	7.9
-90°	4.2	4.6	5.0	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.7	6.7	6.7	6.7	7.1	7.6	8.0	8.4	8.0	7.6	7.1
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.9	7.0	7.1
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.0	7.3	7.5
82.5°	6.7	6.7	6.7	6.7	7.0	7.1	7.2	7.2	7.3	7.6	7.9
80°	6.7	6.7	6.7	6.8	7.2	7.6	7.8	7.9	7.8	7.9	8.1
77.5°	6.7	6.7	6.7	6.8	7.2	7.7	8.1	8.4	8.3	8.2	8.2
75°	6.7	6.7	6.7	6.9	7.3	7.7	8.1	8.4	8.4	8.4	8.3
72.5°	7.9	7.5	7.1	6.9	7.3	7.7	8.2	8.4	8.4	8.4	8.4
70°	9.3	8.6	8.1	7.7	7.6	7.8	8.2	8.4	8.4	8.4	8.4
67.5°	10.9	9.8	9.0	8.5	8.2	8.1	8.3	8.4	8.4	8.4	8.4
65°	14.5	12.0	9.9	9.1	8.6	8.3	8.4	8.4	8.4	8.4	8.4
62.5°	18.6	15.1	12.5	10.1	8.9	8.5	8.4	8.4	8.4	8.4	8.4
60°	22.8	18.3	15.0	12.3	10.0	8.6	8.4	8.4	8.4	8.4	8.4
57.5°	26.8	20.8	17.1	14.2	11.7	9.4	8.4	8.4	8.4	8.4	8.4
55°	29.1	22.9	18.9	15.6	13.0	10.7	8.8	8.4	8.4	8.4	8.4
52.5°	27.7	23.8	20.3	16.6	13.8	11.8	9.9	8.4	8.4	8.4	8.4
50°	24.3	23.4	20.9	17.4	14.2	12.4	10.9	9.1	8.4	8.4	8.5
47.5°	22.0	22.4	20.9	17.7	14.4	12.9	11.5	9.8	8.4	8.4	8.6
45°	19.4	21.3	20.7	18.1	14.9	13.4	11.9	10.5	8.9	8.5	8.8
42.5°	17.5	20.2	20.3	18.6	16.1	13.9	12.4	10.9	9.3	8.6	8.9
40°	19.9	19.8	20.4	19.9	17.7	14.4	12.8	11.2	9.7	8.8	9.0
37.5°	23.7	22.2	21.0	23.3	19.9	16.0	13.2	11.6	10.3	9.3	9.1
35°	30.0	26.8	26.1	28.1	24.4	17.7	13.5	11.9	11.1	9.7	9.2
32.5°	37.6	35.5	35.0	33.9	30.3	19.6	14.6	13.1	12.0	10.2	9.3
30°	50.1	51.6	45.3	41.0	37.1	25.1	17.0	14.5	13.0	10.6	9.4
27.5°	77.6	72.5	58.3	50.5	43.9	32.2	20.8	16.1	14.3	11.2	9.8
25°	113.9	100.2	78.8	61.4	51.5	50.2	25.2	18.0	15.6	12.1	10.1
22.5°	161.1	134.2	102.5	73.0	78.6	73.8	34.9	21.5	17.0	13.1	10.5
20°	215.1	173.1	135.3	112.8	110.4	97.7	52.1	25.3	18.6	14.2	10.8
17.5°	274.8	238.9	205.3	164.4	144.1	124.2	72.3	29.2	20.2	15.2	11.1
15°	381.5	337.6	281.4	220.4	179.4	152.7	94.7	33.2	21.8	16.3	11.6
12.5°	503.6	441.4	361.6	279.7	215.7	182.7	118.6	37.3	23.5	17.8	12.4
10°	629.1	548.5	444.5	341.1	252.8	213.7	143.1	42.6	26.9	19.8	13.2
7.5°	756.3	657.0	528.3	403.1	290.5	246.7	170.4	50.6	30.7	21.6	14.1
5°	875.0	752.3	598.9	456.7	330.7	281.2	196.9	58.6	34.5	23.5	15.0
2.5°	956.0	824.8	658.2	505.6	370.1	314.7	221.2	66.3	38.2	25.2	15.9
0°	1032.3	891.8	712.8	550.5	408.2	346.3	242.6	73.6	41.8	26.8	16.7
-2.5°	1046.3	903.2	720.4	561.8	423.8	358.5	250.8	86.9	50.6	31.6	19.0
-5°	1054.6	907.6	723.0	569.2	437.6	367.9	255.4	99.3	59.0	36.0	21.3
-7.5°	1013.3	878.4	709.3	570.2	449.2	374.2	256.9	110.6	66.7	40.2	23.3
-10°	958.1	827.2	673.9	549.1	445.7	373.2	255.4	120.4	73.4	43.8	25.2
-12.5°	900.1	772.3	637.2	527.0	439.1	366.4	250.7	129.2	79.3	46.8	26.7
-15°	840.2	714.5	600.3	504.4	432.1	358.3	244.4	136.5	84.9	49.7	28.0
-17.5°	781.7	654.7	564.2	482.2	425.2	349.4	237.0	141.9	89.2	52.3	29.4
-20°	725.4	609.3	530.5	461.1	418.6	339.9	228.7	145.3	92.0	54.0	30.7



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	668.7	578.1	508.3	449.4	409.0	330.1	220.1	146.5	93.2	54.6	31.5
-25°	613.9	547.7	487.7	441.4	394.8	315.9	215.8	145.5	92.7	54.0	32.0
-27.5°	574.8	520.1	467.6	432.5	378.0	302.5	213.8	144.6	91.1	52.2	31.9
-30°	543.3	497.5	454.8	420.0	360.7	282.7	208.8	141.5	88.9	51.1	31.3
-32.5°	520.8	476.2	443.0	400.0	338.5	261.6	196.5	136.0	85.0	50.3	30.5
-35°	502.3	461.9	429.6	380.1	313.4	243.1	180.7	128.0	79.3	48.8	29.3
-37.5°	482.8	450.5	408.0	356.2	287.1	222.6	164.8	115.4	71.8	46.6	27.5
-40°	469.9	433.9	387.3	326.7	261.8	200.1	147.1	102.7	67.0	43.6	25.2
-42.5°	455.2	409.6	356.2	295.8	235.2	178.6	128.2	89.0	61.5	40.2	22.3
-45°	426.9	378.3	319.5	262.7	206.9	155.1	112.1	75.6	55.0	36.2	19.7
-47.5°	392.9	336.1	281.0	227.5	178.6	131.5	95.1	67.5	48.0	31.5	18.0
-50°	344.8	291.9	240.6	193.3	147.9	111.8	79.2	58.8	41.0	25.4	16.0
-52.5°	295.5	245.9	201.3	158.9	123.1	91.1	68.4	49.4	33.7	21.4	13.8
-55°	245.0	202.4	163.2	129.0	98.6	76.0	56.8	40.5	25.9	18.2	11.5
-57.5°	198.1	160.5	129.7	101.0	79.7	62.1	45.6	31.2	21.3	15.1	11.7
-60°	152.1	124.8	98.0	80.4	64.4	48.8	34.5	23.3	17.8	12.5	11.7
-62.5°	114.0	92.1	78.2	63.9	49.7	36.0	24.3	19.5	14.2	12.3	11.7
-65°	86.1	73.5	60.6	47.7	35.1	25.2	20.2	15.6	13.1	12.1	11.6
-67.5°	66.1	54.1	42.6	31.3	25.1	20.5	16.0	13.7	12.4	11.7	11.1
-70°	44.0	33.9	28.1	23.9	19.6	16.0	14.2	12.7	11.7	11.2	10.6
-72.5°	28.5	25.0	21.4	17.9	16.2	14.5	12.8	11.6	11.1	10.6	10.1
-75°	20.9	19.1	17.6	16.2	14.6	13.0	11.7	10.9	10.5	10.1	9.7
-77.5°	17.8	16.6	15.5	14.2	12.7	11.6	10.7	10.2	9.8	9.5	9.2
-80°	14.7	13.6	12.5	11.4	10.6	10.0	9.7	9.5	9.2	9.0	8.7
-82.5°	11.4	10.6	10.0	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.3
-85°	9.4	9.1	8.8	8.6	8.5	8.4	8.4	8.4	8.3	8.1	7.9
-87.5°	7.8	7.8	7.7	7.7	7.8	8.0	8.2	8.4	8.1	7.8	7.5
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.7	7.1	7.6	8.0	8.4	7.5	6.7
87.5°	7.1	7.1	7.0	6.9	6.8	6.8	6.7
85°	7.6	7.4	7.3	7.1	7.0	6.8	6.7
82.5°	8.0	7.8	7.6	7.4	7.1	6.9	6.7
80°	8.4	8.2	7.9	7.6	7.3	7.0	6.7
77.5°	8.4	8.4	8.2	7.8	7.4	7.1	6.7
75°	8.4	8.4	8.4	8.0	7.6	7.1	6.7
72.5°	8.4	8.4	8.4	8.2	7.7	7.2	6.7
70°	8.4	8.4	8.4	8.4	7.9	7.3	6.7
67.5°	8.4	8.4	8.4	8.4	8.0	7.4	6.7
65°	8.4	8.4	8.4	8.4	8.1	7.4	6.7
62.5°	8.4	8.4	8.4	8.4	8.3	7.5	6.7
60°	8.4	8.4	8.4	8.4	8.4	7.5	6.7
57.5°	8.4	8.4	8.4	8.4	8.4	7.6	6.7
55°	8.4	8.4	8.4	8.4	8.4	7.7	6.7
52.5°	8.4	8.4	8.4	8.4	8.4	7.7	6.7
50°	8.4	8.4	8.4	8.4	8.4	7.8	6.7
47.5°	8.4	8.4	8.4	8.4	8.4	7.8	6.7
45°	8.5	8.4	8.4	8.4	8.4	7.9	6.7
42.5°	8.7	8.4	8.4	8.4	8.4	8.0	6.7
40°	8.9	8.4	8.4	8.4	8.4	8.0	6.7
37.5°	9.1	8.4	8.4	8.4	8.4	8.0	6.7
35°	9.3	8.5	8.4	8.4	8.4	8.1	6.7
32.5°	9.5	8.7	8.4	8.4	8.4	8.1	6.7
30°	9.6	8.8	8.4	8.4	8.4	8.2	6.7
27.5°	9.7	9.0	8.4	8.4	8.4	8.2	6.7
25°	9.8	9.2	8.4	8.4	8.4	8.2	6.7
22.5°	9.9	9.4	8.4	8.4	8.4	8.3	6.7
20°	10.0	9.5	8.4	8.4	8.4	8.3	6.7
17.5°	10.1	9.6	8.4	8.4	8.4	8.3	6.7
15°	10.3	9.7	8.4	8.4	8.4	8.3	6.7
12.5°	10.5	9.8	8.4	8.4	8.4	8.4	6.7
10°	10.7	9.9	8.4	8.4	8.4	8.4	6.7
7.5°	11.0	9.9	8.4	8.4	8.4	8.4	6.7
5°	11.2	10.0	8.4	8.4	8.4	8.4	6.7
2.5°	11.5	10.0	8.4	8.4	8.4	8.4	6.7
0°	11.7	10.0	8.4	8.4	8.4	8.4	6.7
-2.5°	12.8	10.2	8.4	8.4	8.4	8.4	6.7
-5°	13.9	10.3	8.4	8.4	8.4	8.4	6.7
-7.5°	14.8	10.5	8.4	8.4	8.4	8.4	6.7
-10°	15.7	10.6	8.4	8.4	8.4	8.4	6.7
-12.5°	16.4	10.6	8.4	8.4	8.4	8.4	6.7
-15°	16.9	10.6	8.4	8.4	8.4	8.3	6.7
-17.5°	17.2	10.6	8.4	8.4	8.4	8.3	6.7
-20°	17.5	10.5	8.4	8.4	8.4	8.3	6.7



REPORT NUMBER: P731584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.9	10.4	8.4	8.4	8.4	8.3	6.7
-25°	17.9	10.4	8.4	8.4	8.4	8.3	6.7
-27.5°	17.6	10.4	8.4	8.4	8.4	8.3	6.7
-30°	17.0	10.3	8.4	8.4	8.4	8.2	6.7
-32.5°	16.0	10.0	8.5	8.4	8.4	8.2	6.7
-35°	15.4	9.6	8.7	8.4	8.4	8.2	6.7
-37.5°	14.9	9.3	8.8	8.4	8.4	8.2	6.7
-40°	14.2	9.4	8.9	8.4	8.4	8.1	6.7
-42.5°	13.2	9.6	9.0	8.4	8.4	8.1	6.7
-45°	12.1	9.7	9.0	8.5	8.4	8.1	6.7
-47.5°	10.7	9.8	9.1	8.5	8.4	8.1	6.7
-50°	10.6	9.9	9.1	8.5	8.4	8.0	6.7
-52.5°	10.7	10.0	9.1	8.5	8.4	8.0	6.7
-55°	10.8	10.0	9.1	8.5	8.4	8.0	6.7
-57.5°	11.0	9.9	9.0	8.5	8.4	7.9	6.7
-60°	11.0	9.8	9.0	8.5	8.4	7.9	6.7
-62.5°	10.8	9.7	8.9	8.5	8.4	7.9	6.7
-65°	10.5	9.5	8.8	8.5	8.4	7.9	6.7
-67.5°	10.2	9.3	8.8	8.4	8.4	7.8	6.7
-70°	9.9	9.2	8.7	8.4	8.4	7.8	6.7
-72.5°	9.6	8.9	8.5	8.4	8.4	7.8	6.7
-75°	9.2	8.7	8.4	8.3	8.4	7.7	6.7
-77.5°	8.8	8.5	8.3	8.3	8.4	7.7	6.7
-80°	8.4	8.2	8.1	8.2	8.4	7.7	6.7
-82.5°	8.0	8.0	8.0	8.1	8.4	7.7	6.7
-85°	7.6	7.7	7.8	8.1	8.4	7.6	6.7
-87.5°	7.1	7.4	7.7	8.0	8.4	7.6	6.7
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7

(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

