

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: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-3S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-3S-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

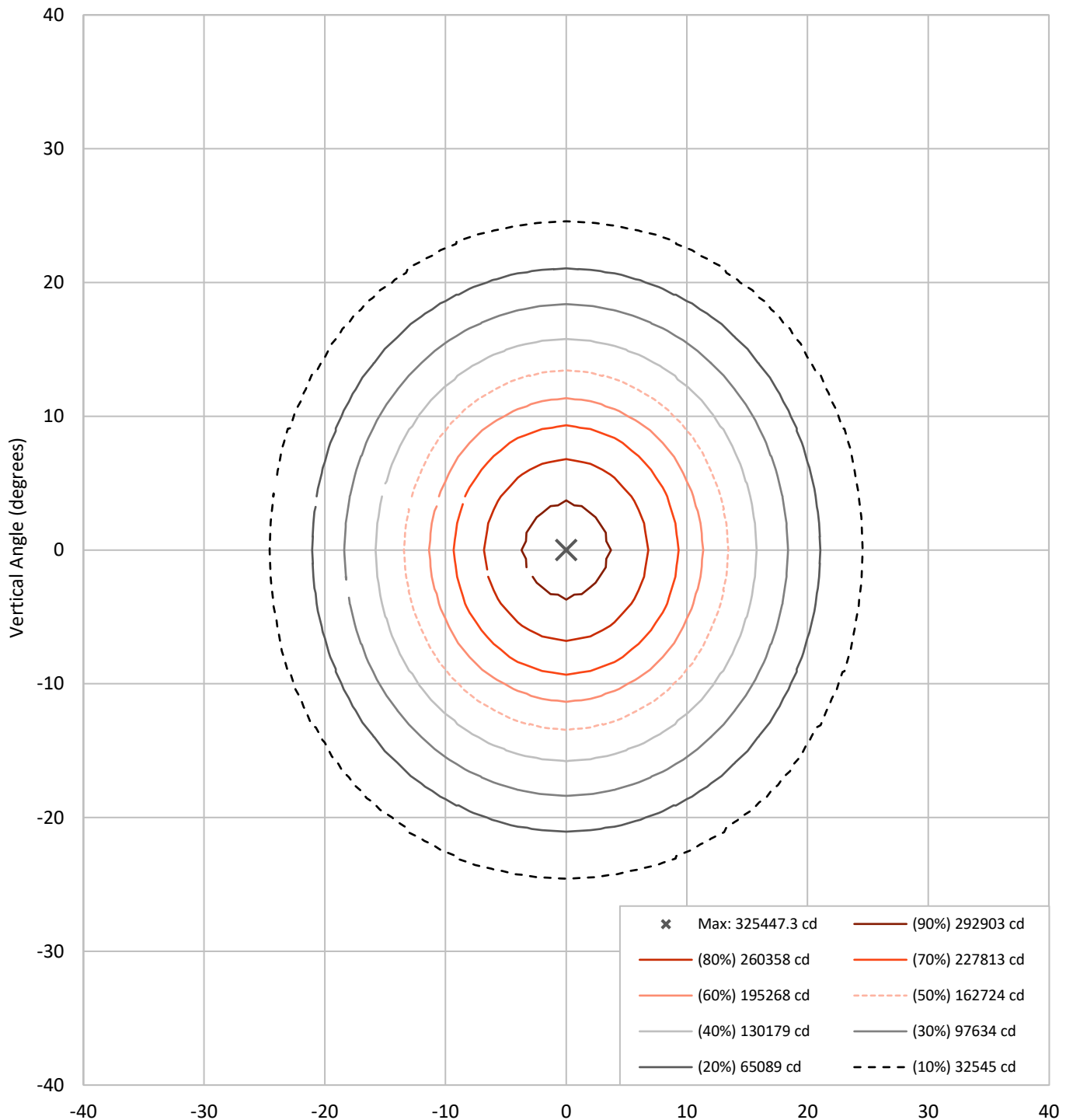
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	87899 lumens	Max Intensity:	325447.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	157.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	38111.6 lumens	Field Lumens:	72964.8 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%

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





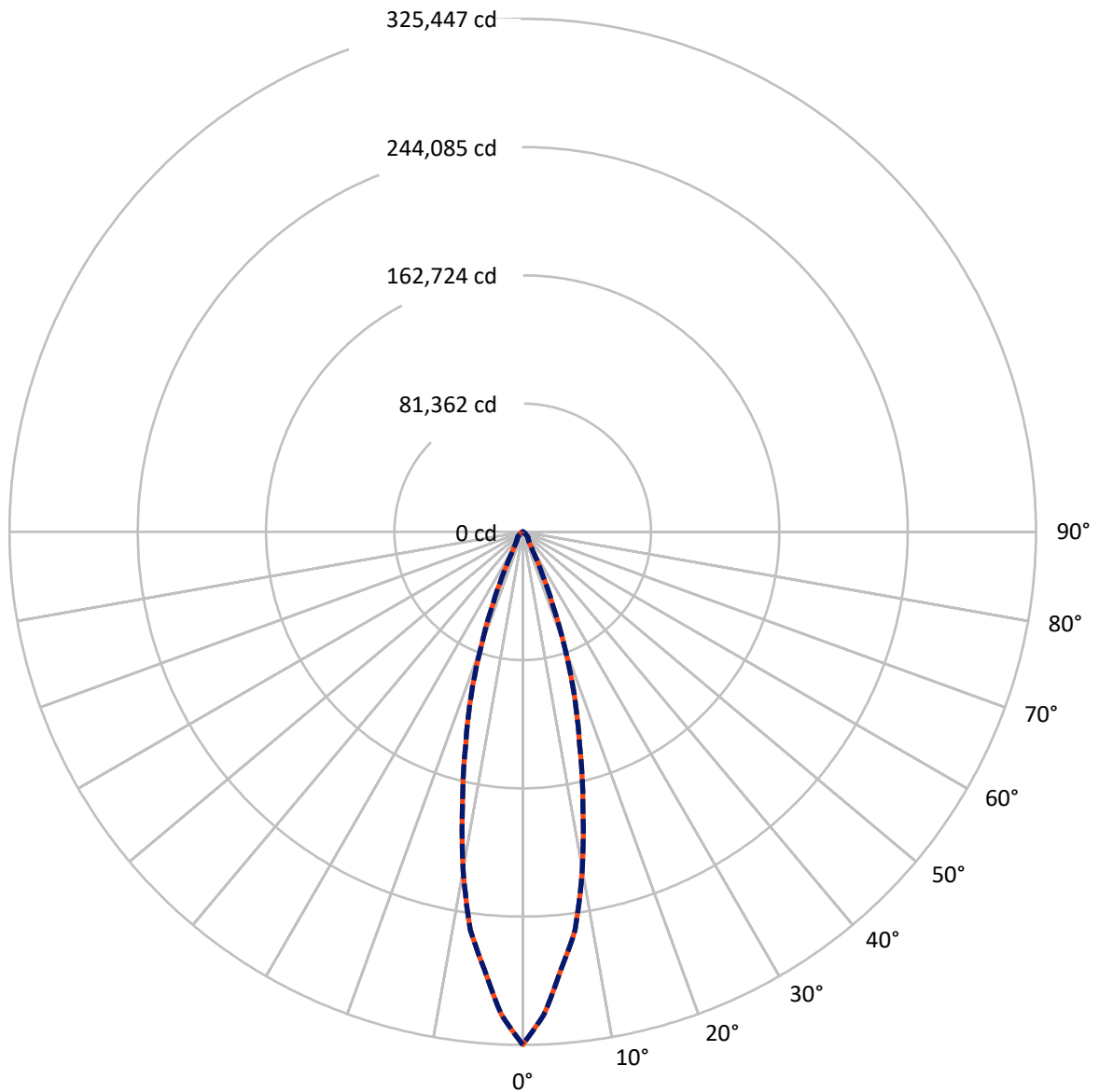
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Lumen Table

90															90				
80	0.1	0.8		3.0		8.0		10.6		8.0		3.0		0.8		0.1			
70															70				
60	0.4	0.5	1.9	5.8	11.5	17.4	22.3	25.0	25.0	22.3	17.4	11.5	5.8	1.9	0.5	0.4			
50		1.5	6.8	16.0	27.5	39.2	48.6	53.7	53.7	48.6	39.2	27.5	16.0	6.8	1.5				
40	1.0	3.6	13.1	27.8	46.0	72.5	103.7	121.7	121.7	103.7	72.5	46.0	27.8	13.1	3.6	1.0			
30		6.1	19.4	39.8	81.2	133.8	172.1	202.2	202.2	172.1	133.8	81.2	39.8	19.4	6.1				
20	2.3	8.4	25.1	57.0	121.1	191.8	443.4	912.0	912.0	443.4	191.8	121.1	57.0	25.1	8.4	2.3			
10		10.1	29.2	76.8	146.5	418.6	1940.0	3884.8	3884.8	1940.0	418.6	146.5	76.8	29.2	10.1				
0	3.0	10.9	31.3	87.3	167.1	839.5	3778.5	7452.0	7452.0	3778.5	839.5	167.1	87.3	31.3	10.9	3.0			
-10		10.9	31.3	87.3	167.1	839.5	3778.5	7452.0	7452.0	3778.5	839.5	167.1	87.3	31.3	10.9				
-20	2.3	10.1	29.2	76.8	146.5	418.6	1940.0	3884.8	3884.8	1940.0	418.6	146.5	76.8	29.2	10.1	2.3			
-30		8.4	25.1	57.0	121.1	191.8	443.4	912.0	912.0	443.4	191.8	121.1	57.0	25.1	8.4				
-40	1.0	6.1	19.4	39.8	81.2	133.8	172.1	202.2	202.2	172.1	133.8	81.2	39.8	19.4	6.1	1.0			
-50		3.6	13.1	27.8	46.0	72.5	103.7	121.7	121.7	103.7	72.5	46.0	27.8	13.1	3.6				
-60	0.4	1.5	6.8	16.0	27.5	39.2	48.6	53.7	53.7	48.6	39.2	27.5	16.0	6.8	1.5	0.4			
-70		0.5	1.9	5.8	11.5	17.4	22.3	25.0	25.0	22.3	17.4	11.5	5.8	1.9	0.5				
-80															-80				
-90	0.1	0.8		3.0		8.0		10.6		8.0		3.0		0.8		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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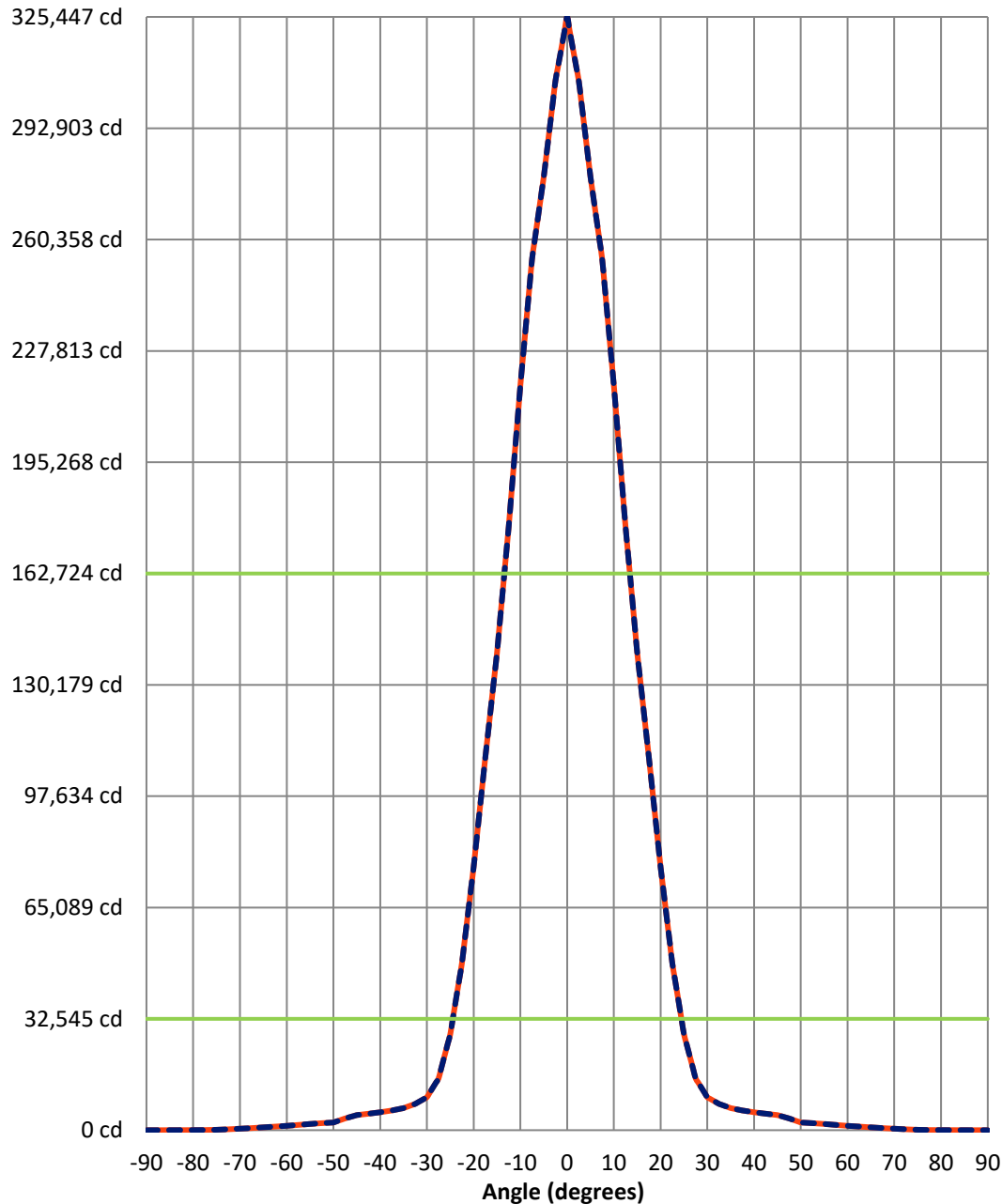
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 26.9°
 V Angle: 26.9°
 Lumens: 38111.6
 Efficiency: 43.4%

Field:
 H Angle: 48.9°
 V Angle: 48.9°
 Lumens: 72964.8
 Efficiency: 83.0%

Spill:
 Lumens: 14934.2
 Efficiency: 17.0%

- 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
85°	0.0	0.5	1.0	1.5	2.0	2.6	3.1	3.5	4.0	4.5	5.0
82.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.6	7.1
80°	0.0	1.0	2.0	3.1	4.1	5.1	6.0	6.8	7.5	8.3	9.0
77.5°	0.0	1.3	2.6	3.8	5.1	6.2	7.2	8.1	9.0	10.0	11.1
75°	0.0	1.5	3.1	4.6	6.0	7.2	8.3	9.4	10.6	12.4	14.1
72.5°	0.0	1.8	3.5	5.3	6.8	8.1	9.4	10.9	13.0	15.1	17.1
70°	0.0	2.0	4.0	6.0	7.5	9.0	10.6	13.0	15.4	17.8	21.1
67.5°	0.0	2.3	4.5	6.6	8.3	10.0	12.4	15.1	17.8	21.5	25.2
65°	0.0	2.5	5.0	7.1	9.0	11.1	14.1	17.1	21.1	25.2	30.5
62.5°	0.0	2.7	5.4	7.6	9.7	12.5	15.8	19.7	24.3	29.6	38.5
60°	0.0	2.9	5.9	8.1	10.4	13.9	17.5	22.5	27.5	36.6	46.3
57.5°	0.0	3.2	6.2	8.6	11.4	15.3	19.8	25.2	33.0	43.5	66.5
55°	0.0	3.4	6.6	9.1	12.5	16.6	22.0	27.8	39.0	53.9	92.2
52.5°	0.0	3.6	6.9	9.6	13.5	18.0	24.2	32.6	44.8	76.4	117.2
50°	0.0	3.8	7.2	10.1	14.5	19.8	26.3	37.6	54.5	98.2	162.7
47.5°	0.0	4.0	7.5	10.6	15.5	21.5	28.7	42.4	73.2	119.3	209.1
45°	0.0	4.2	7.8	11.3	16.4	23.1	32.6	47.0	91.3	159.1	254.0
42.5°	0.0	4.3	8.0	11.9	17.3	24.7	36.4	57.6	108.6	197.8	306.8
40°	0.0	4.5	8.3	12.6	18.3	26.2	40.0	72.0	130.4	234.8	359.0
37.5°	0.0	4.7	8.5	13.2	19.4	27.6	43.4	85.8	161.6	272.7	408.7
35°	0.0	4.8	8.8	13.7	20.5	29.9	46.6	98.8	191.2	314.9	455.4
32.5°	0.0	5.0	9.0	14.3	21.5	32.4	51.9	111.0	219.0	354.7	498.8
30°	0.0	5.1	9.2	14.8	22.5	34.8	61.7	125.1	245.1	392.0	539.5
27.5°	0.0	5.2	9.4	15.2	23.4	36.9	70.7	146.2	271.7	426.7	577.4
25°	0.0	5.3	9.6	15.6	24.2	39.0	79.1	165.6	299.9	458.1	612.7
22.5°	0.0	5.5	9.7	16.0	24.9	40.8	86.7	183.3	325.6	486.6	653.1
20°	0.0	5.5	9.9	16.4	25.6	42.5	93.6	199.3	348.9	512.3	689.6
17.5°	0.0	5.6	10.0	16.7	26.2	43.9	99.7	213.4	369.5	535.1	722.1
15°	0.0	5.7	10.1	16.9	26.7	45.2	105.0	225.8	387.5	555.1	750.4
12.5°	0.0	5.8	10.2	17.2	27.1	46.3	109.5	236.3	402.8	572.0	774.5
10°	0.0	5.8	10.3	17.4	27.5	47.2	113.2	244.9	415.3	586.0	794.3
7.5°	0.0	5.8	10.3	17.5	27.7	47.9	116.1	251.6	425.1	596.9	809.8
5°	0.0	5.9	10.4	17.6	27.9	48.4	118.1	256.4	432.2	604.6	820.9
2.5°	0.0	5.9	10.4	17.7	28.1	48.7	119.4	259.3	436.4	609.3	827.6
0°	0.0	5.9	10.4	17.7	28.1	48.7	119.4	259.3	436.4	609.3	827.6
-2.5°	0.0	5.9	10.4	17.7	28.1	48.7	119.4	259.3	436.4	609.3	827.6
-5°	0.0	5.9	10.4	17.6	27.9	48.4	118.1	256.4	432.2	604.6	820.9
-7.5°	0.0	5.8	10.3	17.5	27.7	47.9	116.1	251.6	425.1	596.9	809.8
-10°	0.0	5.8	10.3	17.4	27.5	47.2	113.2	244.9	415.3	586.0	794.3
-12.5°	0.0	5.8	10.2	17.2	27.1	46.3	109.5	236.3	402.8	572.0	774.5
-15°	0.0	5.7	10.1	16.9	26.7	45.2	105.0	225.8	387.5	555.1	750.4
-17.5°	0.0	5.6	10.0	16.7	26.2	43.9	99.7	213.4	369.5	535.1	722.1
-20°	0.0	5.5	9.9	16.4	25.6	42.5	93.6	199.3	348.9	512.3	689.6



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.5	9.7	16.0	24.9	40.8	86.7	183.3	325.6	486.6	653.1
-25°	0.0	5.3	9.6	15.6	24.2	39.0	79.1	165.6	299.9	458.1	612.7
-27.5°	0.0	5.2	9.4	15.2	23.4	36.9	70.7	146.2	271.7	426.7	577.4
-30°	0.0	5.1	9.2	14.8	22.5	34.8	61.7	125.1	245.1	392.0	539.5
-32.5°	0.0	5.0	9.0	14.3	21.5	32.4	51.9	111.0	219.0	354.7	498.8
-35°	0.0	4.8	8.8	13.7	20.5	29.9	46.6	98.8	191.2	314.9	455.4
-37.5°	0.0	4.7	8.5	13.2	19.4	27.6	43.4	85.8	161.6	272.7	408.7
-40°	0.0	4.5	8.3	12.6	18.3	26.2	40.0	72.0	130.4	234.8	359.0
-42.5°	0.0	4.3	8.0	11.9	17.3	24.7	36.4	57.6	108.6	197.8	306.8
-45°	0.0	4.2	7.8	11.3	16.4	23.1	32.6	47.0	91.3	159.1	254.0
-47.5°	0.0	4.0	7.5	10.6	15.5	21.5	28.7	42.4	73.2	119.3	209.1
-50°	0.0	3.8	7.2	10.1	14.5	19.8	26.3	37.6	54.5	98.2	162.7
-52.5°	0.0	3.6	6.9	9.6	13.5	18.0	24.2	32.6	44.8	76.4	117.2
-55°	0.0	3.4	6.6	9.1	12.5	16.6	22.0	27.8	39.0	53.9	92.2
-57.5°	0.0	3.2	6.2	8.6	11.4	15.3	19.8	25.2	33.0	43.5	66.5
-60°	0.0	2.9	5.9	8.1	10.4	13.9	17.5	22.5	27.5	36.6	46.3
-62.5°	0.0	2.7	5.4	7.6	9.7	12.5	15.8	19.7	24.3	29.6	38.5
-65°	0.0	2.5	5.0	7.1	9.0	11.1	14.1	17.1	21.1	25.2	30.5
-67.5°	0.0	2.3	4.5	6.6	8.3	10.0	12.4	15.1	17.8	21.5	25.2
-70°	0.0	2.0	4.0	6.0	7.5	9.0	10.6	13.0	15.4	17.8	21.1
-72.5°	0.0	1.8	3.5	5.3	6.8	8.1	9.4	10.9	13.0	15.1	17.1
-75°	0.0	1.5	3.1	4.6	6.0	7.2	8.3	9.4	10.6	12.4	14.1
-77.5°	0.0	1.3	2.6	3.8	5.1	6.2	7.2	8.1	9.0	10.0	11.1
-80°	0.0	1.0	2.0	3.1	4.1	5.1	6.0	6.8	7.5	8.3	9.0
-82.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.6	7.1
-85°	0.0	0.5	1.0	1.5	2.0	2.6	3.1	3.5	4.0	4.5	5.0
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	2.9	3.2	3.4	3.6	3.8	4.0	4.2	4.3	4.5	4.7
85°	5.4	5.9	6.2	6.6	6.9	7.2	7.5	7.8	8.0	8.3	8.5
82.5°	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.3	11.9	12.6	13.2
80°	9.7	10.4	11.4	12.5	13.5	14.5	15.5	16.4	17.3	18.3	19.4
77.5°	12.5	13.9	15.3	16.6	18.0	19.8	21.5	23.1	24.7	26.2	27.6
75°	15.8	17.5	19.8	22.0	24.2	26.3	28.7	32.6	36.4	40.0	43.4
72.5°	19.7	22.5	25.2	27.8	32.6	37.6	42.4	47.0	57.6	72.0	85.8
70°	24.3	27.5	33.0	39.0	44.8	54.5	73.2	91.3	108.6	130.4	161.6
67.5°	29.6	36.6	43.5	53.9	76.4	98.2	119.3	159.1	197.8	234.8	272.7
65°	38.5	46.3	66.5	92.2	117.2	162.7	209.1	254.0	306.8	359.0	408.7
62.5°	47.2	72.9	101.8	139.9	194.3	247.1	308.4	370.8	430.9	487.3	540.9
60°	72.9	105.0	152.6	213.4	276.0	348.9	419.5	486.6	550.8	612.7	687.1
57.5°	101.8	152.6	219.8	292.2	373.3	451.9	526.7	599.1	684.2	769.0	850.4
55°	139.9	213.4	292.2	381.5	468.0	551.0	637.1	735.9	831.3	924.9	1014.5
52.5°	194.3	276.0	373.3	468.0	559.1	657.8	767.2	874.2	978.8	1078.9	1173.0
50°	247.1	348.9	451.9	551.0	657.8	777.7	895.7	1011.5	1121.7	1226.9	1341.7
47.5°	308.4	419.5	526.7	637.1	767.2	895.7	1022.4	1143.2	1259.6	1396.1	1530.1
45°	370.8	486.6	599.1	735.9	874.2	1011.5	1143.2	1270.5	1423.6	1573.2	1722.2
42.5°	430.9	550.8	684.2	831.3	978.8	1121.7	1259.6	1423.6	1587.8	1751.9	1895.2
40°	487.3	612.7	769.0	924.9	1078.9	1226.9	1396.1	1573.2	1751.9	1907.8	2047.5
37.5°	540.9	687.1	850.4	1014.5	1173.0	1341.7	1530.1	1722.2	1895.2	2047.5	2171.2
35°	591.8	757.8	929.1	1098.7	1262.8	1461.3	1663.5	1857.7	2021.9	2160.3	2500.8
32.5°	647.6	824.7	1003.6	1177.5	1366.6	1576.6	1791.0	1971.2	2127.9	2365.1	3196.3
30°	704.7	888.7	1073.2	1251.7	1466.1	1688.7	1896.3	2074.7	2223.4	2988.8	3785.6
27.5°	757.8	948.4	1136.8	1333.2	1560.2	1793.9	1990.5	2158.6	2647.6	3553.2	4304.7
25°	807.0	1003.6	1195.8	1412.8	1650.5	1879.7	2074.2	2237.0	3163.1	4008.9	4568.2
22.5°	852.3	1054.2	1249.8	1485.8	1733.4	1954.5	2141.3	2622.8	3604.1	4420.1	4754.4
20°	893.7	1098.7	1305.4	1552.6	1808.7	2022.5	2202.4	3026.9	3963.6	4579.1	4932.6
17.5°	930.6	1138.4	1359.4	1614.3	1866.7	2078.4	2302.7	3389.8	4287.1	4722.4	5097.1
15°	962.7	1173.0	1406.7	1668.3	1915.7	2122.7	2597.3	3661.0	4477.8	4851.5	5243.9
12.5°	990.2	1202.6	1447.0	1714.4	1957.6	2160.6	2849.6	3887.0	4578.5	4967.5	5398.4
10°	1012.7	1226.9	1480.2	1752.4	1992.2	2191.9	3058.3	4074.2	4661.9	5063.9	5527.0
7.5°	1030.3	1245.9	1506.1	1782.2	2019.3	2216.4	3222.0	4221.1	4727.5	5139.9	5628.5
5°	1043.0	1259.6	1524.8	1803.6	2038.8	2234.0	3339.8	4326.9	4774.8	5194.7	5701.8
2.5°	1050.6	1267.8	1536.0	1816.4	2050.5	2244.7	3410.7	4390.7	4803.4	5227.7	5746.2
0°	1053.1	1270.5	1539.7	1820.7	2054.4	2248.2	3434.4	4412.0	4812.9	5238.8	5761.0
-2.5°	1050.6	1267.8	1536.0	1816.4	2050.5	2244.7	3410.7	4390.7	4803.4	5227.7	5746.2
-5°	1043.0	1259.6	1524.8	1803.6	2038.8	2234.0	3339.8	4326.9	4774.8	5194.7	5701.8
-7.5°	1030.3	1245.9	1506.1	1782.2	2019.3	2216.4	3222.0	4221.1	4727.5	5139.9	5628.5
-10°	1012.7	1226.9	1480.2	1752.4	1992.2	2191.9	3058.3	4074.2	4661.9	5063.9	5527.0
-12.5°	990.2	1202.6	1447.0	1714.4	1957.6	2160.6	2849.6	3887.0	4578.5	4967.5	5398.4
-15°	962.7	1173.0	1406.7	1668.3	1915.7	2122.7	2597.3	3661.0	4477.8	4851.5	5243.9
-17.5°	930.6	1138.4	1359.4	1614.3	1866.7	2078.4	2302.7	3389.8	4287.1	4722.4	5097.1
-20°	893.7	1098.7	1305.4	1552.6	1808.7	2022.5	2202.4	3026.9	3963.6	4579.1	4932.6



REPORT NUMBER: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	852.3	1054.2	1249.8	1485.8	1733.4	1954.5	2141.3	2622.8	3604.1	4420.1	4754.4
-25°	807.0	1003.6	1195.8	1412.8	1650.5	1879.7	2074.2	2237.0	3163.1	4008.9	4568.2
-27.5°	757.8	948.4	1136.8	1333.2	1560.2	1793.9	1990.5	2158.6	2647.6	3553.2	4304.7
-30°	704.7	888.7	1073.2	1251.7	1466.1	1688.7	1896.3	2074.7	2223.4	2988.8	3785.6
-32.5°	647.6	824.7	1003.6	1177.5	1366.6	1576.6	1791.0	1971.2	2127.9	2365.1	3196.3
-35°	591.8	757.8	929.1	1098.7	1262.8	1461.3	1663.5	1857.7	2021.9	2160.3	2500.8
-37.5°	540.9	687.1	850.4	1014.5	1173.0	1341.7	1530.1	1722.2	1895.2	2047.5	2171.2
-40°	487.3	612.7	769.0	924.9	1078.9	1226.9	1396.1	1573.2	1751.9	1907.8	2047.5
-42.5°	430.9	550.8	684.2	831.3	978.8	1121.7	1259.6	1423.6	1587.8	1751.9	1895.2
-45°	370.8	486.6	599.1	735.9	874.2	1011.5	1143.2	1270.5	1423.6	1573.2	1722.2
-47.5°	308.4	419.5	526.7	637.1	767.2	895.7	1022.4	1143.2	1259.6	1396.1	1530.1
-50°	247.1	348.9	451.9	551.0	657.8	777.7	895.7	1011.5	1121.7	1226.9	1341.7
-52.5°	194.3	276.0	373.3	468.0	559.1	657.8	767.2	874.2	978.8	1078.9	1173.0
-55°	139.9	213.4	292.2	381.5	468.0	551.0	637.1	735.9	831.3	924.9	1014.5
-57.5°	101.8	152.6	219.8	292.2	373.3	451.9	526.7	599.1	684.2	769.0	850.4
-60°	72.9	105.0	152.6	213.4	276.0	348.9	419.5	486.6	550.8	612.7	687.1
-62.5°	47.2	72.9	101.8	139.9	194.3	247.1	308.4	370.8	430.9	487.3	540.9
-65°	38.5	46.3	66.5	92.2	117.2	162.7	209.1	254.0	306.8	359.0	408.7
-67.5°	29.6	36.6	43.5	53.9	76.4	98.2	119.3	159.1	197.8	234.8	272.7
-70°	24.3	27.5	33.0	39.0	44.8	54.5	73.2	91.3	108.6	130.4	161.6
-72.5°	19.7	22.5	25.2	27.8	32.6	37.6	42.4	47.0	57.6	72.0	85.8
-75°	15.8	17.5	19.8	22.0	24.2	26.3	28.7	32.6	36.4	40.0	43.4
-77.5°	12.5	13.9	15.3	16.6	18.0	19.8	21.5	23.1	24.7	26.2	27.6
-80°	9.7	10.4	11.4	12.5	13.5	14.5	15.5	16.4	17.3	18.3	19.4
-82.5°	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.3	11.9	12.6	13.2
-85°	5.4	5.9	6.2	6.6	6.9	7.2	7.5	7.8	8.0	8.3	8.5
-87.5°	2.7	2.9	3.2	3.4	3.6	3.8	4.0	4.2	4.3	4.5	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	5.0	5.1	5.2	5.3	5.5	5.5	5.6	5.7	5.8	5.8
85°	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3
82.5°	13.7	14.3	14.8	15.2	15.6	16.0	16.4	16.7	16.9	17.2	17.4
80°	20.5	21.5	22.5	23.4	24.2	24.9	25.6	26.2	26.7	27.1	27.5
77.5°	29.9	32.4	34.8	36.9	39.0	40.8	42.5	43.9	45.2	46.3	47.2
75°	46.6	51.9	61.7	70.7	79.1	86.7	93.6	99.7	105.0	109.5	113.2
72.5°	98.8	111.0	125.1	146.2	165.6	183.3	199.3	213.4	225.8	236.3	244.9
70°	191.2	219.0	245.1	271.7	299.9	325.6	348.9	369.5	387.5	402.8	415.3
67.5°	314.9	354.7	392.0	426.7	458.1	486.6	512.3	535.1	555.1	572.0	586.0
65°	455.4	498.8	539.5	577.4	612.7	653.1	689.6	722.1	750.4	774.5	794.3
62.5°	591.8	647.6	704.7	757.8	807.0	852.3	893.7	930.6	962.7	990.2	1012.7
60°	757.8	824.7	888.7	948.4	1003.6	1054.2	1098.7	1138.4	1173.0	1202.6	1226.9
57.5°	929.1	1003.6	1073.2	1136.8	1195.8	1249.8	1305.4	1359.4	1406.7	1447.0	1480.2
55°	1098.7	1177.5	1251.7	1333.2	1412.8	1485.8	1552.6	1614.3	1668.3	1714.4	1752.4
52.5°	1262.8	1366.6	1466.1	1560.2	1650.5	1733.4	1808.7	1866.7	1915.7	1957.6	1992.2
50°	1461.3	1576.6	1688.7	1793.9	1879.7	1954.5	2022.5	2078.4	2122.7	2160.6	2191.9
47.5°	1663.5	1791.0	1896.3	1990.5	2074.2	2141.3	2202.4	2302.7	2597.3	2849.6	3058.3
45°	1857.7	1971.2	2074.7	2158.6	2237.0	2622.8	3026.9	3389.8	3661.0	3887.0	4074.2
42.5°	2021.9	2127.9	2223.4	2647.6	3163.1	3604.1	3963.6	4287.1	4477.8	4578.5	4661.9
40°	2160.3	2365.1	2988.8	3553.2	4008.9	4420.1	4579.1	4722.4	4851.5	4967.5	5063.9
37.5°	2500.8	3196.3	3785.6	4304.7	4568.2	4754.4	4932.6	5097.1	5243.9	5398.4	5527.0
35°	3266.0	3903.1	4441.9	4668.9	4887.3	5099.6	5308.1	5525.8	5719.5	5928.8	6114.9
32.5°	3903.1	4466.8	4719.9	4970.6	5213.4	5486.7	5744.8	6051.8	6330.6	6665.6	7027.4
30°	4441.9	4719.9	4998.7	5278.5	5596.0	5938.5	6307.2	6793.0	7332.0	7865.1	8483.1
27.5°	4668.9	4970.6	5278.5	5632.8	6039.7	6471.4	7177.6	7903.3	8817.4	9619.2	11547.3
25°	4887.3	5213.4	5596.0	6039.7	6565.7	7373.6	8380.1	9475.9	12040.2	14543.8	18726.0
22.5°	5099.6	5486.7	5938.5	6471.4	7373.6	8541.3	10165.3	13545.8	18634.2	25058.5	32081.9
20°	5308.1	5744.8	6307.2	7177.6	8380.1	10165.3	14056.4	21149.6	29603.2	40963.7	51450.7
17.5°	5525.8	6051.8	6793.0	7903.3	9475.9	13545.8	21149.6	31774.6	45568.4	61303.1	76057.8
15°	5719.5	6330.6	7332.0	8817.4	12040.2	18634.2	29603.2	45568.4	64682.5	84188.8	103008.4
12.5°	5928.8	6665.6	7865.1	9619.2	14543.8	25058.5	40963.7	61303.1	84188.8	107579.3	127831.0
10°	6114.9	7027.4	8483.1	11547.3	18726.0	32081.9	51450.7	76057.8	103008.4	127831.0	151990.2
7.5°	6262.0	7314.5	8975.0	13093.5	22728.7	39243.1	62263.5	89826.4	118353.7	145864.3	176754.8
5°	6368.5	7522.6	9332.7	14221.8	25662.5	44522.5	70296.9	100256.1	129847.5	161917.1	197250.6
2.5°	6433.0	7648.8	9549.9	14908.9	27454.8	47761.4	75253.9	106744.7	137084.3	172689.6	212293.9
0°	6454.6	7691.1	9622.8	15139.7	28057.8	48853.5	76930.6	108949.3	139560.0	176405.0	217707.9
-2.5°	6433.0	7648.8	9549.9	14908.9	27454.8	47761.4	75253.9	106744.7	137084.3	172689.6	212293.9
-5°	6368.5	7522.6	9332.7	14221.8	25662.5	44522.5	70296.9	100256.1	129847.5	161917.1	197250.6
-7.5°	6262.0	7314.5	8975.0	13093.5	22728.7	39243.1	62263.5	89826.4	118353.7	145864.3	176754.8
-10°	6114.9	7027.4	8483.1	11547.3	18726.0	32081.9	51450.7	76057.8	103008.4	127831.0	151990.2
-12.5°	5928.8	6665.6	7865.1	9619.2	14543.8	25058.5	40963.7	61303.1	84188.8	107579.3	127831.0
-15°	5719.5	6330.6	7332.0	8817.4	12040.2	18634.2	29603.2	45568.4	64682.5	84188.8	103008.4
-17.5°	5525.8	6051.8	6793.0	7903.3	9475.9	13545.8	21149.6	31774.6	45568.4	61303.1	76057.8
-20°	5308.1	5744.8	6307.2	7177.6	8380.1	10165.3	14056.4	21149.6	29603.2	40963.7	51450.7



REPORT NUMBER: P731260 (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°
-22.5°	5099.6	5486.7	5938.5	6471.4	7373.6	8541.3	10165.3	13545.8	18634.2	25058.5	32081.9
-25°	4887.3	5213.4	5596.0	6039.7	6565.7	7373.6	8380.1	9475.9	12040.2	14543.8	18726.0
-27.5°	4668.9	4970.6	5278.5	5632.8	6039.7	6471.4	7177.6	7903.3	8817.4	9619.2	11547.3
-30°	4441.9	4719.9	4998.7	5278.5	5596.0	5938.5	6307.2	6793.0	7332.0	7865.1	8483.1
-32.5°	3903.1	4466.8	4719.9	4970.6	5213.4	5486.7	5744.8	6051.8	6330.6	6665.6	7027.4
-35°	3266.0	3903.1	4441.9	4668.9	4887.3	5099.6	5308.1	5525.8	5719.5	5928.8	6114.9
-37.5°	2500.8	3196.3	3785.6	4304.7	4568.2	4754.4	4932.6	5097.1	5243.9	5398.4	5527.0
-40°	2160.3	2365.1	2988.8	3553.2	4008.9	4420.1	4579.1	4722.4	4851.5	4967.5	5063.9
-42.5°	2021.9	2127.9	2223.4	2647.6	3163.1	3604.1	3963.6	4287.1	4477.8	4578.5	4661.9
-45°	1857.7	1971.2	2074.7	2158.6	2237.0	2622.8	3026.9	3389.8	3661.0	3887.0	4074.2
-47.5°	1663.5	1791.0	1896.3	1990.5	2074.2	2141.3	2202.4	2302.7	2597.3	2849.6	3058.3
-50°	1461.3	1576.6	1688.7	1793.9	1879.7	1954.5	2022.5	2078.4	2122.7	2160.6	2191.9
-52.5°	1262.8	1366.6	1466.1	1560.2	1650.5	1733.4	1808.7	1866.7	1915.7	1957.6	1992.2
-55°	1098.7	1177.5	1251.7	1333.2	1412.8	1485.8	1552.6	1614.3	1668.3	1714.4	1752.4
-57.5°	929.1	1003.6	1073.2	1136.8	1195.8	1249.8	1305.4	1359.4	1406.7	1447.0	1480.2
-60°	757.8	824.7	888.7	948.4	1003.6	1054.2	1098.7	1138.4	1173.0	1202.6	1226.9
-62.5°	591.8	647.6	704.7	757.8	807.0	852.3	893.7	930.6	962.7	990.2	1012.7
-65°	455.4	498.8	539.5	577.4	612.7	653.1	689.6	722.1	750.4	774.5	794.3
-67.5°	314.9	354.7	392.0	426.7	458.1	486.6	512.3	535.1	555.1	572.0	586.0
-70°	191.2	219.0	245.1	271.7	299.9	325.6	348.9	369.5	387.5	402.8	415.3
-72.5°	98.8	111.0	125.1	146.2	165.6	183.3	199.3	213.4	225.8	236.3	244.9
-75°	46.6	51.9	61.7	70.7	79.1	86.7	93.6	99.7	105.0	109.5	113.2
-77.5°	29.9	32.4	34.8	36.9	39.0	40.8	42.5	43.9	45.2	46.3	47.2
-80°	20.5	21.5	22.5	23.4	24.2	24.9	25.6	26.2	26.7	27.1	27.5
-82.5°	13.7	14.3	14.8	15.2	15.6	16.0	16.4	16.7	16.9	17.2	17.4
-85°	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3
-87.5°	4.8	5.0	5.1	5.2	5.3	5.5	5.5	5.6	5.7	5.8	5.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.6
85°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.2	10.1	10.0
82.5°	17.5	17.6	17.7	17.7	17.7	17.6	17.5	17.4	17.2	16.9	16.7
80°	27.7	27.9	28.1	28.1	28.1	27.9	27.7	27.5	27.1	26.7	26.2
77.5°	47.9	48.4	48.7	48.8	48.7	48.4	47.9	47.2	46.3	45.2	43.9
75°	116.1	118.1	119.4	119.8	119.4	118.1	116.1	113.2	109.5	105.0	99.7
72.5°	251.6	256.4	259.3	260.3	259.3	256.4	251.6	244.9	236.3	225.8	213.4
70°	425.1	432.2	436.4	437.8	436.4	432.2	425.1	415.3	402.8	387.5	369.5
67.5°	596.9	604.6	609.3	610.9	609.3	604.6	596.9	586.0	572.0	555.1	535.1
65°	809.8	820.9	827.6	829.8	827.6	820.9	809.8	794.3	774.5	750.4	722.1
62.5°	1030.3	1043.0	1050.6	1053.1	1050.6	1043.0	1030.3	1012.7	990.2	962.7	930.6
60°	1245.9	1259.6	1267.8	1270.5	1267.8	1259.6	1245.9	1226.9	1202.6	1173.0	1138.4
57.5°	1506.1	1524.8	1536.0	1539.7	1536.0	1524.8	1506.1	1480.2	1447.0	1406.7	1359.4
55°	1782.2	1803.6	1816.4	1820.7	1816.4	1803.6	1782.2	1752.4	1714.4	1668.3	1614.3
52.5°	2019.3	2038.8	2050.5	2054.4	2050.5	2038.8	2019.3	1992.2	1957.6	1915.7	1866.7
50°	2216.4	2234.0	2244.7	2248.2	2244.7	2234.0	2216.4	2191.9	2160.6	2122.7	2078.4
47.5°	3222.0	3339.8	3410.7	3434.4	3410.7	3339.8	3222.0	3058.3	2849.6	2597.3	2302.7
45°	4221.1	4326.9	4390.7	4412.0	4390.7	4326.9	4221.1	4074.2	3887.0	3661.0	3389.8
42.5°	4727.5	4774.8	4803.4	4812.9	4803.4	4774.8	4727.5	4661.9	4578.5	4477.8	4287.1
40°	5139.9	5194.7	5227.7	5238.8	5227.7	5194.7	5139.9	5063.9	4967.5	4851.5	4722.4
37.5°	5628.5	5701.8	5746.2	5761.0	5746.2	5701.8	5628.5	5527.0	5398.4	5243.9	5097.1
35°	6262.0	6368.5	6433.0	6454.6	6433.0	6368.5	6262.0	6114.9	5928.8	5719.5	5525.8
32.5°	7314.5	7522.6	7648.8	7691.1	7648.8	7522.6	7314.5	7027.4	6665.6	6330.6	6051.8
30°	8975.0	9332.7	9549.9	9622.8	9549.9	9332.7	8975.0	8483.1	7865.1	7332.0	6793.0
27.5°	13093.5	14221.8	14908.9	15139.7	14908.9	14221.8	13093.5	11547.3	9619.2	8817.4	7903.3
25°	22728.7	25662.5	27454.8	28057.8	27454.8	25662.5	22728.7	18726.0	14543.8	12040.2	9475.9
22.5°	39243.1	44522.5	47761.4	48853.5	47761.4	44522.5	39243.1	32081.9	25058.5	18634.2	13545.8
20°	62263.5	70296.9	75253.9	76930.6	75253.9	70296.9	62263.5	51450.7	40963.7	29603.2	21149.6
17.5°	89826.4	100256.1	106744.7	108949.3	106744.7	100256.1	89826.4	76057.8	61303.1	45568.4	31774.6
15°	118353.7	129847.5	137084.3	139560.0	137084.3	129847.5	118353.7	103008.4	84188.8	64682.5	45568.4
12.5°	145864.3	161917.1	172689.6	176405.0	172689.6	161917.1	145864.3	127831.0	107579.3	84188.8	61303.1
10°	176754.8	197250.6	212293.9	217707.9	212293.9	197250.6	176754.8	151990.2	127831.0	103008.4	76057.8
7.5°	207198.8	234867.4	250172.3	254716.3	250172.3	234867.4	207198.8	176754.8	145864.3	118353.7	89826.4
5°	234867.4	259598.0	273753.9	278651.2	273753.9	259598.0	234867.4	197250.6	161917.1	129847.5	100256.1
2.5°	250172.3	273753.9	293403.5	306737.2	293403.5	273753.9	250172.3	212293.9	172689.6	137084.3	106744.7
0°	254716.3	278651.2	306737.2	325447.3	306737.2	278651.2	254716.3	217707.9	176405.0	139560.0	108949.3
-2.5°	250172.3	273753.9	293403.5	306737.2	293403.5	273753.9	250172.3	212293.9	172689.6	137084.3	106744.7
-5°	234867.4	259598.0	273753.9	278651.2	273753.9	259598.0	234867.4	197250.6	161917.1	129847.5	100256.1
-7.5°	207198.8	234867.4	250172.3	254716.3	250172.3	234867.4	207198.8	176754.8	145864.3	118353.7	89826.4
-10°	176754.8	197250.6	212293.9	217707.9	212293.9	197250.6	176754.8	151990.2	127831.0	103008.4	76057.8
-12.5°	145864.3	161917.1	172689.6	176405.0	172689.6	161917.1	145864.3	127831.0	107579.3	84188.8	61303.1
-15°	118353.7	129847.5	137084.3	139560.0	137084.3	129847.5	118353.7	103008.4	84188.8	64682.5	45568.4
-17.5°	89826.4	100256.1	106744.7	108949.3	106744.7	100256.1	89826.4	76057.8	61303.1	45568.4	31774.6
-20°	62263.5	70296.9	75253.9	76930.6	75253.9	70296.9	62263.5	51450.7	40963.7	29603.2	21149.6



REPORT NUMBER: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	39243.1	44522.5	47761.4	48853.5	47761.4	44522.5	39243.1	32081.9	25058.5	18634.2	13545.8
-25°	22728.7	25662.5	27454.8	28057.8	27454.8	25662.5	22728.7	18726.0	14543.8	12040.2	9475.9
-27.5°	13093.5	14221.8	14908.9	15139.7	14908.9	14221.8	13093.5	11547.3	9619.2	8817.4	7903.3
-30°	8975.0	9332.7	9549.9	9622.8	9549.9	9332.7	8975.0	8483.1	7865.1	7332.0	6793.0
-32.5°	7314.5	7522.6	7648.8	7691.1	7648.8	7522.6	7314.5	7027.4	6665.6	6330.6	6051.8
-35°	6262.0	6368.5	6433.0	6454.6	6433.0	6368.5	6262.0	6114.9	5928.8	5719.5	5525.8
-37.5°	5628.5	5701.8	5746.2	5761.0	5746.2	5701.8	5628.5	5527.0	5398.4	5243.9	5097.1
-40°	5139.9	5194.7	5227.7	5238.8	5227.7	5194.7	5139.9	5063.9	4967.5	4851.5	4722.4
-42.5°	4727.5	4774.8	4803.4	4812.9	4803.4	4774.8	4727.5	4661.9	4578.5	4477.8	4287.1
-45°	4221.1	4326.9	4390.7	4412.0	4390.7	4326.9	4221.1	4074.2	3887.0	3661.0	3389.8
-47.5°	3222.0	3339.8	3410.7	3434.4	3410.7	3339.8	3222.0	3058.3	2849.6	2597.3	2302.7
-50°	2216.4	2234.0	2244.7	2248.2	2244.7	2234.0	2216.4	2191.9	2160.6	2122.7	2078.4
-52.5°	2019.3	2038.8	2050.5	2054.4	2050.5	2038.8	2019.3	1992.2	1957.6	1915.7	1866.7
-55°	1782.2	1803.6	1816.4	1820.7	1816.4	1803.6	1782.2	1752.4	1714.4	1668.3	1614.3
-57.5°	1506.1	1524.8	1536.0	1539.7	1536.0	1524.8	1506.1	1480.2	1447.0	1406.7	1359.4
-60°	1245.9	1259.6	1267.8	1270.5	1267.8	1259.6	1245.9	1226.9	1202.6	1173.0	1138.4
-62.5°	1030.3	1043.0	1050.6	1053.1	1050.6	1043.0	1030.3	1012.7	990.2	962.7	930.6
-65°	809.8	820.9	827.6	829.8	827.6	820.9	809.8	794.3	774.5	750.4	722.1
-67.5°	596.9	604.6	609.3	610.9	609.3	604.6	596.9	586.0	572.0	555.1	535.1
-70°	425.1	432.2	436.4	437.8	436.4	432.2	425.1	415.3	402.8	387.5	369.5
-72.5°	251.6	256.4	259.3	260.3	259.3	256.4	251.6	244.9	236.3	225.8	213.4
-75°	116.1	118.1	119.4	119.8	119.4	118.1	116.1	113.2	109.5	105.0	99.7
-77.5°	47.9	48.4	48.7	48.8	48.7	48.4	47.9	47.2	46.3	45.2	43.9
-80°	27.7	27.9	28.1	28.1	28.1	27.9	27.7	27.5	27.1	26.7	26.2
-82.5°	17.5	17.6	17.7	17.7	17.7	17.6	17.5	17.4	17.2	16.9	16.7
-85°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.2	10.1	10.0
-87.5°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	5.5	5.3	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.2
85°	9.9	9.7	9.6	9.4	9.2	9.0	8.8	8.5	8.3	8.0	7.8
82.5°	16.4	16.0	15.6	15.2	14.8	14.3	13.7	13.2	12.6	11.9	11.3
80°	25.6	24.9	24.2	23.4	22.5	21.5	20.5	19.4	18.3	17.3	16.4
77.5°	42.5	40.8	39.0	36.9	34.8	32.4	29.9	27.6	26.2	24.7	23.1
75°	93.6	86.7	79.1	70.7	61.7	51.9	46.6	43.4	40.0	36.4	32.6
72.5°	199.3	183.3	165.6	146.2	125.1	111.0	98.8	85.8	72.0	57.6	47.0
70°	348.9	325.6	299.9	271.7	245.1	219.0	191.2	161.6	130.4	108.6	91.3
67.5°	512.3	486.6	458.1	426.7	392.0	354.7	314.9	272.7	234.8	197.8	159.1
65°	689.6	653.1	612.7	577.4	539.5	498.8	455.4	408.7	359.0	306.8	254.0
62.5°	893.7	852.3	807.0	757.8	704.7	647.6	591.8	540.9	487.3	430.9	370.8
60°	1098.7	1054.2	1003.6	948.4	888.7	824.7	757.8	687.1	612.7	550.8	486.6
57.5°	1305.4	1249.8	1195.8	1136.8	1073.2	1003.6	929.1	850.4	769.0	684.2	599.1
55°	1552.6	1485.8	1412.8	1333.2	1251.7	1177.5	1098.7	1014.5	924.9	831.3	735.9
52.5°	1808.7	1733.4	1650.5	1560.2	1466.1	1366.6	1262.8	1173.0	1078.9	978.8	874.2
50°	2022.5	1954.5	1879.7	1793.9	1688.7	1576.6	1461.3	1341.7	1226.9	1121.7	1011.5
47.5°	2202.4	2141.3	2074.2	1990.5	1896.3	1791.0	1663.5	1530.1	1396.1	1259.6	1143.2
45°	3026.9	2622.8	2237.0	2158.6	2074.7	1971.2	1857.7	1722.2	1573.2	1423.6	1270.5
42.5°	3963.6	3604.1	3163.1	2647.6	2223.4	2127.9	2021.9	1895.2	1751.9	1587.8	1423.6
40°	4579.1	4420.1	4008.9	3553.2	2988.8	2365.1	2160.3	2047.5	1907.8	1751.9	1573.2
37.5°	4932.6	4754.4	4568.2	4304.7	3785.6	3196.3	2500.8	2171.2	2047.5	1895.2	1722.2
35°	5308.1	5099.6	4887.3	4668.9	4441.9	3903.1	3266.0	2500.8	2160.3	2021.9	1857.7
32.5°	5744.8	5486.7	5213.4	4970.6	4719.9	4466.8	3903.1	3196.3	2365.1	2127.9	1971.2
30°	6307.2	5938.5	5596.0	5278.5	4998.7	4719.9	4441.9	3785.6	2988.8	2223.4	2074.7
27.5°	7177.6	6471.4	6039.7	5632.8	5278.5	4970.6	4668.9	4304.7	3553.2	2647.6	2158.6
25°	8380.1	7373.6	6565.7	6039.7	5596.0	5213.4	4887.3	4568.2	4008.9	3163.1	2237.0
22.5°	10165.3	8541.3	7373.6	6471.4	5938.5	5486.7	5099.6	4754.4	4420.1	3604.1	2622.8
20°	14056.4	10165.3	8380.1	7177.6	6307.2	5744.8	5308.1	4932.6	4579.1	3963.6	3026.9
17.5°	21149.6	13545.8	9475.9	7903.3	6793.0	6051.8	5525.8	5097.1	4722.4	4287.1	3389.8
15°	29603.2	18634.2	12040.2	8817.4	7332.0	6330.6	5719.5	5243.9	4851.5	4477.8	3661.0
12.5°	40963.7	25058.5	14543.8	9619.2	7865.1	6665.6	5928.8	5398.4	4967.5	4578.5	3887.0
10°	51450.7	32081.9	18726.0	11547.3	8483.1	7027.4	6114.9	5527.0	5063.9	4661.9	4074.2
7.5°	62263.5	39243.1	22728.7	13093.5	8975.0	7314.5	6262.0	5628.5	5139.9	4727.5	4221.1
5°	70296.9	44522.5	25662.5	14221.8	9332.7	7522.6	6368.5	5701.8	5194.7	4774.8	4326.9
2.5°	75253.9	47761.4	27454.8	14908.9	9549.9	7648.8	6433.0	5746.2	5227.7	4803.4	4390.7
0°	76930.6	48853.5	28057.8	15139.7	9622.8	7691.1	6454.6	5761.0	5238.8	4812.9	4412.0
-2.5°	75253.9	47761.4	27454.8	14908.9	9549.9	7648.8	6433.0	5746.2	5227.7	4803.4	4390.7
-5°	70296.9	44522.5	25662.5	14221.8	9332.7	7522.6	6368.5	5701.8	5194.7	4774.8	4326.9
-7.5°	62263.5	39243.1	22728.7	13093.5	8975.0	7314.5	6262.0	5628.5	5139.9	4727.5	4221.1
-10°	51450.7	32081.9	18726.0	11547.3	8483.1	7027.4	6114.9	5527.0	5063.9	4661.9	4074.2
-12.5°	40963.7	25058.5	14543.8	9619.2	7865.1	6665.6	5928.8	5398.4	4967.5	4578.5	3887.0
-15°	29603.2	18634.2	12040.2	8817.4	7332.0	6330.6	5719.5	5243.9	4851.5	4477.8	3661.0
-17.5°	21149.6	13545.8	9475.9	7903.3	6793.0	6051.8	5525.8	5097.1	4722.4	4287.1	3389.8
-20°	14056.4	10165.3	8380.1	7177.6	6307.2	5744.8	5308.1	4932.6	4579.1	3963.6	3026.9



REPORT NUMBER: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10165.3	8541.3	7373.6	6471.4	5938.5	5486.7	5099.6	4754.4	4420.1	3604.1	2622.8
-25°	8380.1	7373.6	6565.7	6039.7	5596.0	5213.4	4887.3	4568.2	4008.9	3163.1	2237.0
-27.5°	7177.6	6471.4	6039.7	5632.8	5278.5	4970.6	4668.9	4304.7	3553.2	2647.6	2158.6
-30°	6307.2	5938.5	5596.0	5278.5	4998.7	4719.9	4441.9	3785.6	2988.8	2223.4	2074.7
-32.5°	5744.8	5486.7	5213.4	4970.6	4719.9	4466.8	3903.1	3196.3	2365.1	2127.9	1971.2
-35°	5308.1	5099.6	4887.3	4668.9	4441.9	3903.1	3266.0	2500.8	2160.3	2021.9	1857.7
-37.5°	4932.6	4754.4	4568.2	4304.7	3785.6	3196.3	2500.8	2171.2	2047.5	1895.2	1722.2
-40°	4579.1	4420.1	4008.9	3553.2	2988.8	2365.1	2160.3	2047.5	1907.8	1751.9	1573.2
-42.5°	3963.6	3604.1	3163.1	2647.6	2223.4	2127.9	2021.9	1895.2	1751.9	1587.8	1423.6
-45°	3026.9	2622.8	2237.0	2158.6	2074.7	1971.2	1857.7	1722.2	1573.2	1423.6	1270.5
-47.5°	2202.4	2141.3	2074.2	1990.5	1896.3	1791.0	1663.5	1530.1	1396.1	1259.6	1143.2
-50°	2022.5	1954.5	1879.7	1793.9	1688.7	1576.6	1461.3	1341.7	1226.9	1121.7	1011.5
-52.5°	1808.7	1733.4	1650.5	1560.2	1466.1	1366.6	1262.8	1173.0	1078.9	978.8	874.2
-55°	1552.6	1485.8	1412.8	1333.2	1251.7	1177.5	1098.7	1014.5	924.9	831.3	735.9
-57.5°	1305.4	1249.8	1195.8	1136.8	1073.2	1003.6	929.1	850.4	769.0	684.2	599.1
-60°	1098.7	1054.2	1003.6	948.4	888.7	824.7	757.8	687.1	612.7	550.8	486.6
-62.5°	893.7	852.3	807.0	757.8	704.7	647.6	591.8	540.9	487.3	430.9	370.8
-65°	689.6	653.1	612.7	577.4	539.5	498.8	455.4	408.7	359.0	306.8	254.0
-67.5°	512.3	486.6	458.1	426.7	392.0	354.7	314.9	272.7	234.8	197.8	159.1
-70°	348.9	325.6	299.9	271.7	245.1	219.0	191.2	161.6	130.4	108.6	91.3
-72.5°	199.3	183.3	165.6	146.2	125.1	111.0	98.8	85.8	72.0	57.6	47.0
-75°	93.6	86.7	79.1	70.7	61.7	51.9	46.6	43.4	40.0	36.4	32.6
-77.5°	42.5	40.8	39.0	36.9	34.8	32.4	29.9	27.6	26.2	24.7	23.1
-80°	25.6	24.9	24.2	23.4	22.5	21.5	20.5	19.4	18.3	17.3	16.4
-82.5°	16.4	16.0	15.6	15.2	14.8	14.3	13.7	13.2	12.6	11.9	11.3
-85°	9.9	9.7	9.6	9.4	9.2	9.0	8.8	8.5	8.3	8.0	7.8
-87.5°	5.5	5.5	5.3	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	3.8	3.6	3.4	3.2	2.9	2.7	2.5	2.3	2.0	1.8
85°	7.5	7.2	6.9	6.6	6.2	5.9	5.4	5.0	4.5	4.0	3.5
82.5°	10.6	10.1	9.6	9.1	8.6	8.1	7.6	7.1	6.6	6.0	5.3
80°	15.5	14.5	13.5	12.5	11.4	10.4	9.7	9.0	8.3	7.5	6.8
77.5°	21.5	19.8	18.0	16.6	15.3	13.9	12.5	11.1	10.0	9.0	8.1
75°	28.7	26.3	24.2	22.0	19.8	17.5	15.8	14.1	12.4	10.6	9.4
72.5°	42.4	37.6	32.6	27.8	25.2	22.5	19.7	17.1	15.1	13.0	10.9
70°	73.2	54.5	44.8	39.0	33.0	27.5	24.3	21.1	17.8	15.4	13.0
67.5°	119.3	98.2	76.4	53.9	43.5	36.6	29.6	25.2	21.5	17.8	15.1
65°	209.1	162.7	117.2	92.2	66.5	46.3	38.5	30.5	25.2	21.1	17.1
62.5°	308.4	247.1	194.3	139.9	101.8	72.9	47.2	38.5	29.6	24.3	19.7
60°	419.5	348.9	276.0	213.4	152.6	105.0	72.9	46.3	36.6	27.5	22.5
57.5°	526.7	451.9	373.3	292.2	219.8	152.6	101.8	66.5	43.5	33.0	25.2
55°	637.1	551.0	468.0	381.5	292.2	213.4	139.9	92.2	53.9	39.0	27.8
52.5°	767.2	657.8	559.1	468.0	373.3	276.0	194.3	117.2	76.4	44.8	32.6
50°	895.7	777.7	657.8	551.0	451.9	348.9	247.1	162.7	98.2	54.5	37.6
47.5°	1022.4	895.7	767.2	637.1	526.7	419.5	308.4	209.1	119.3	73.2	42.4
45°	1143.2	1011.5	874.2	735.9	599.1	486.6	370.8	254.0	159.1	91.3	47.0
42.5°	1259.6	1121.7	978.8	831.3	684.2	550.8	430.9	306.8	197.8	108.6	57.6
40°	1396.1	1226.9	1078.9	924.9	769.0	612.7	487.3	359.0	234.8	130.4	72.0
37.5°	1530.1	1341.7	1173.0	1014.5	850.4	687.1	540.9	408.7	272.7	161.6	85.8
35°	1663.5	1461.3	1262.8	1098.7	929.1	757.8	591.8	455.4	314.9	191.2	98.8
32.5°	1791.0	1576.6	1366.6	1177.5	1003.6	824.7	647.6	498.8	354.7	219.0	111.0
30°	1896.3	1688.7	1466.1	1251.7	1073.2	888.7	704.7	539.5	392.0	245.1	125.1
27.5°	1990.5	1793.9	1560.2	1333.2	1136.8	948.4	757.8	577.4	426.7	271.7	146.2
25°	2074.2	1879.7	1650.5	1412.8	1195.8	1003.6	807.0	612.7	458.1	299.9	165.6
22.5°	2141.3	1954.5	1733.4	1485.8	1249.8	1054.2	852.3	653.1	486.6	325.6	183.3
20°	2202.4	2022.5	1808.7	1552.6	1305.4	1098.7	893.7	689.6	512.3	348.9	199.3
17.5°	2302.7	2078.4	1866.7	1614.3	1359.4	1138.4	930.6	722.1	535.1	369.5	213.4
15°	2597.3	2122.7	1915.7	1668.3	1406.7	1173.0	962.7	750.4	555.1	387.5	225.8
12.5°	2849.6	2160.6	1957.6	1714.4	1447.0	1202.6	990.2	774.5	572.0	402.8	236.3
10°	3058.3	2191.9	1992.2	1752.4	1480.2	1226.9	1012.7	794.3	586.0	415.3	244.9
7.5°	3222.0	2216.4	2019.3	1782.2	1506.1	1245.9	1030.3	809.8	596.9	425.1	251.6
5°	3339.8	2234.0	2038.8	1803.6	1524.8	1259.6	1043.0	820.9	604.6	432.2	256.4
2.5°	3410.7	2244.7	2050.5	1816.4	1536.0	1267.8	1050.6	827.6	609.3	436.4	259.3
0°	3434.4	2248.2	2054.4	1820.7	1539.7	1270.5	1053.1	829.8	610.9	437.8	260.3
-2.5°	3410.7	2244.7	2050.5	1816.4	1536.0	1267.8	1050.6	827.6	609.3	436.4	259.3
-5°	3339.8	2234.0	2038.8	1803.6	1524.8	1259.6	1043.0	820.9	604.6	432.2	256.4
-7.5°	3222.0	2216.4	2019.3	1782.2	1506.1	1245.9	1030.3	809.8	596.9	425.1	251.6
-10°	3058.3	2191.9	1992.2	1752.4	1480.2	1226.9	1012.7	794.3	586.0	415.3	244.9
-12.5°	2849.6	2160.6	1957.6	1714.4	1447.0	1202.6	990.2	774.5	572.0	402.8	236.3
-15°	2597.3	2122.7	1915.7	1668.3	1406.7	1173.0	962.7	750.4	555.1	387.5	225.8
-17.5°	2302.7	2078.4	1866.7	1614.3	1359.4	1138.4	930.6	722.1	535.1	369.5	213.4
-20°	2202.4	2022.5	1808.7	1552.6	1305.4	1098.7	893.7	689.6	512.3	348.9	199.3



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2141.3	1954.5	1733.4	1485.8	1249.8	1054.2	852.3	653.1	486.6	325.6	183.3
-25°	2074.2	1879.7	1650.5	1412.8	1195.8	1003.6	807.0	612.7	458.1	299.9	165.6
-27.5°	1990.5	1793.9	1560.2	1333.2	1136.8	948.4	757.8	577.4	426.7	271.7	146.2
-30°	1896.3	1688.7	1466.1	1251.7	1073.2	888.7	704.7	539.5	392.0	245.1	125.1
-32.5°	1791.0	1576.6	1366.6	1177.5	1003.6	824.7	647.6	498.8	354.7	219.0	111.0
-35°	1663.5	1461.3	1262.8	1098.7	929.1	757.8	591.8	455.4	314.9	191.2	98.8
-37.5°	1530.1	1341.7	1173.0	1014.5	850.4	687.1	540.9	408.7	272.7	161.6	85.8
-40°	1396.1	1226.9	1078.9	924.9	769.0	612.7	487.3	359.0	234.8	130.4	72.0
-42.5°	1259.6	1121.7	978.8	831.3	684.2	550.8	430.9	306.8	197.8	108.6	57.6
-45°	1143.2	1011.5	874.2	735.9	599.1	486.6	370.8	254.0	159.1	91.3	47.0
-47.5°	1022.4	895.7	767.2	637.1	526.7	419.5	308.4	209.1	119.3	73.2	42.4
-50°	895.7	777.7	657.8	551.0	451.9	348.9	247.1	162.7	98.2	54.5	37.6
-52.5°	767.2	657.8	559.1	468.0	373.3	276.0	194.3	117.2	76.4	44.8	32.6
-55°	637.1	551.0	468.0	381.5	292.2	213.4	139.9	92.2	53.9	39.0	27.8
-57.5°	526.7	451.9	373.3	292.2	219.8	152.6	101.8	66.5	43.5	33.0	25.2
-60°	419.5	348.9	276.0	213.4	152.6	105.0	72.9	46.3	36.6	27.5	22.5
-62.5°	308.4	247.1	194.3	139.9	101.8	72.9	47.2	38.5	29.6	24.3	19.7
-65°	209.1	162.7	117.2	92.2	66.5	46.3	38.5	30.5	25.2	21.1	17.1
-67.5°	119.3	98.2	76.4	53.9	43.5	36.6	29.6	25.2	21.5	17.8	15.1
-70°	73.2	54.5	44.8	39.0	33.0	27.5	24.3	21.1	17.8	15.4	13.0
-72.5°	42.4	37.6	32.6	27.8	25.2	22.5	19.7	17.1	15.1	13.0	10.9
-75°	28.7	26.3	24.2	22.0	19.8	17.5	15.8	14.1	12.4	10.6	9.4
-77.5°	21.5	19.8	18.0	16.6	15.3	13.9	12.5	11.1	10.0	9.0	8.1
-80°	15.5	14.5	13.5	12.5	11.4	10.4	9.7	9.0	8.3	7.5	6.8
-82.5°	10.6	10.1	9.6	9.1	8.6	8.1	7.6	7.1	6.6	6.0	5.3
-85°	7.5	7.2	6.9	6.6	6.2	5.9	5.4	5.0	4.5	4.0	3.5
-87.5°	4.0	3.8	3.6	3.4	3.2	2.9	2.7	2.5	2.3	2.0	1.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.0	1.5	1.0	0.5	0.0
82.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
80°	6.0	5.1	4.1	3.1	2.0	1.0	0.0
77.5°	7.2	6.2	5.1	3.8	2.6	1.3	0.0
75°	8.3	7.2	6.0	4.6	3.1	1.5	0.0
72.5°	9.4	8.1	6.8	5.3	3.5	1.8	0.0
70°	10.6	9.0	7.5	6.0	4.0	2.0	0.0
67.5°	12.4	10.0	8.3	6.6	4.5	2.3	0.0
65°	14.1	11.1	9.0	7.1	5.0	2.5	0.0
62.5°	15.8	12.5	9.7	7.6	5.4	2.7	0.0
60°	17.5	13.9	10.4	8.1	5.9	2.9	0.0
57.5°	19.8	15.3	11.4	8.6	6.2	3.2	0.0
55°	22.0	16.6	12.5	9.1	6.6	3.4	0.0
52.5°	24.2	18.0	13.5	9.6	6.9	3.6	0.0
50°	26.3	19.8	14.5	10.1	7.2	3.8	0.0
47.5°	28.7	21.5	15.5	10.6	7.5	4.0	0.0
45°	32.6	23.1	16.4	11.3	7.8	4.2	0.0
42.5°	36.4	24.7	17.3	11.9	8.0	4.3	0.0
40°	40.0	26.2	18.3	12.6	8.3	4.5	0.0
37.5°	43.4	27.6	19.4	13.2	8.5	4.7	0.0
35°	46.6	29.9	20.5	13.7	8.8	4.8	0.0
32.5°	51.9	32.4	21.5	14.3	9.0	5.0	0.0
30°	61.7	34.8	22.5	14.8	9.2	5.1	0.0
27.5°	70.7	36.9	23.4	15.2	9.4	5.2	0.0
25°	79.1	39.0	24.2	15.6	9.6	5.3	0.0
22.5°	86.7	40.8	24.9	16.0	9.7	5.5	0.0
20°	93.6	42.5	25.6	16.4	9.9	5.5	0.0
17.5°	99.7	43.9	26.2	16.7	10.0	5.6	0.0
15°	105.0	45.2	26.7	16.9	10.1	5.7	0.0
12.5°	109.5	46.3	27.1	17.2	10.2	5.8	0.0
10°	113.2	47.2	27.5	17.4	10.3	5.8	0.0
7.5°	116.1	47.9	27.7	17.5	10.3	5.8	0.0
5°	118.1	48.4	27.9	17.6	10.4	5.9	0.0
2.5°	119.4	48.7	28.1	17.7	10.4	5.9	0.0
0°	119.8	48.8	28.1	17.7	10.4	5.9	0.0
-2.5°	119.4	48.7	28.1	17.7	10.4	5.9	0.0
-5°	118.1	48.4	27.9	17.6	10.4	5.9	0.0
-7.5°	116.1	47.9	27.7	17.5	10.3	5.8	0.0
-10°	113.2	47.2	27.5	17.4	10.3	5.8	0.0
-12.5°	109.5	46.3	27.1	17.2	10.2	5.8	0.0
-15°	105.0	45.2	26.7	16.9	10.1	5.7	0.0
-17.5°	99.7	43.9	26.2	16.7	10.0	5.6	0.0
-20°	93.6	42.5	25.6	16.4	9.9	5.5	0.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	86.7	40.8	24.9	16.0	9.7	5.5	0.0
-25°	79.1	39.0	24.2	15.6	9.6	5.3	0.0
-27.5°	70.7	36.9	23.4	15.2	9.4	5.2	0.0
-30°	61.7	34.8	22.5	14.8	9.2	5.1	0.0
-32.5°	51.9	32.4	21.5	14.3	9.0	5.0	0.0
-35°	46.6	29.9	20.5	13.7	8.8	4.8	0.0
-37.5°	43.4	27.6	19.4	13.2	8.5	4.7	0.0
-40°	40.0	26.2	18.3	12.6	8.3	4.5	0.0
-42.5°	36.4	24.7	17.3	11.9	8.0	4.3	0.0
-45°	32.6	23.1	16.4	11.3	7.8	4.2	0.0
-47.5°	28.7	21.5	15.5	10.6	7.5	4.0	0.0
-50°	26.3	19.8	14.5	10.1	7.2	3.8	0.0
-52.5°	24.2	18.0	13.5	9.6	6.9	3.6	0.0
-55°	22.0	16.6	12.5	9.1	6.6	3.4	0.0
-57.5°	19.8	15.3	11.4	8.6	6.2	3.2	0.0
-60°	17.5	13.9	10.4	8.1	5.9	2.9	0.0
-62.5°	15.8	12.5	9.7	7.6	5.4	2.7	0.0
-65°	14.1	11.1	9.0	7.1	5.0	2.5	0.0
-67.5°	12.4	10.0	8.3	6.6	4.5	2.3	0.0
-70°	10.6	9.0	7.5	6.0	4.0	2.0	0.0
-72.5°	9.4	8.1	6.8	5.3	3.5	1.8	0.0
-75°	8.3	7.2	6.0	4.6	3.1	1.5	0.0
-77.5°	7.2	6.2	5.1	3.8	2.6	1.3	0.0
-80°	6.0	5.1	4.1	3.1	2.0	1.0	0.0
-82.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
-85°	3.1	2.6	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

