

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: P731262 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-5S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731262 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-57-70-5S-HEG
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

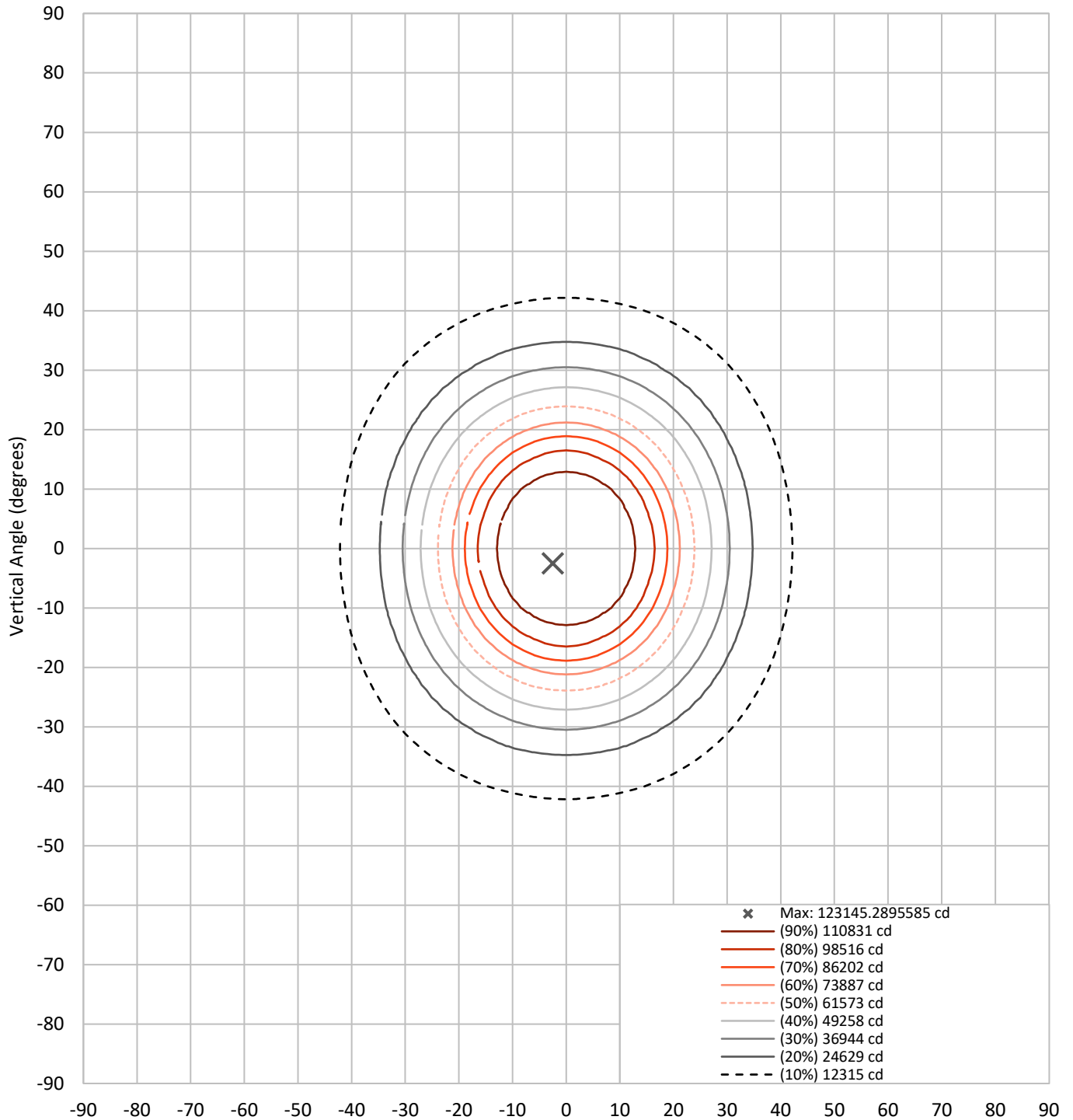
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	90011.7 lumens	Max Intensity:	123145.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	160.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	50496.6 lumens	Field Lumens:	83868.7 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

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





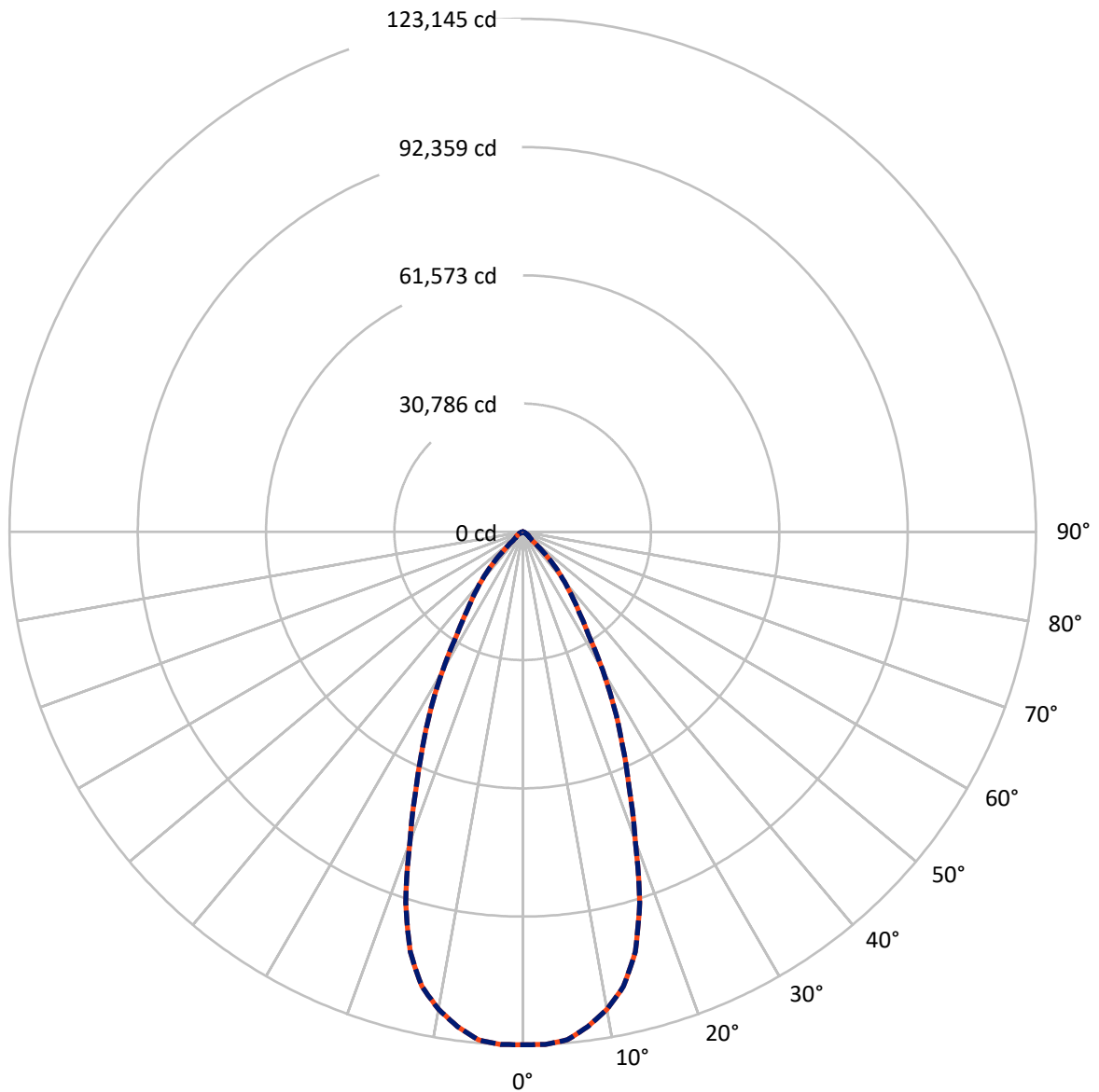
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Lumen Table

90																
80	0.1	0.8		2.8		6.1		7.7		6.1		2.8		0.8		0.1
70																
60	0.4	0.5	1.5	3.9	8.0	13.0	17.6	20.2	20.2	17.6	13.0	8.0	3.9	1.5	0.5	0.4
50		1.1	4.6	12.4	24.2	37.0	46.6	51.8	51.8	46.6	37.0	24.2	12.4	4.6	1.1	
40	0.9	2.4	10.2	25.7	44.4	80.1	163.1	229.7	229.7	163.1	80.1	44.4	25.7	10.2	2.4	0.9
30		4.3	17.2	38.5	111.7	338.2	571.0	731.6	731.6	571.0	338.2	111.7	38.5	17.2	4.3	
20	1.7	6.3	23.7	63.3	307.3	699.1	1251.1	1679.2	1679.2	1251.1	699.1	307.3	63.3	23.7	6.3	1.7
10		8.0	28.0	122.3	487.3	1177.4	2187.9	2980.9	2980.9	2187.9	1177.4	487.3	122.3	28.0	8.0	
0	2.1	8.9	30.1	167.2	606.4	1534.1	2894.0	3612.5	3612.5	2894.0	1534.1	606.4	167.2	30.1	8.9	2.1
-10		8.9	30.1	167.2	606.4	1534.1	2894.0	3612.5	3612.5	2894.0	1534.1	606.4	167.2	30.1	8.9	
-20	1.7	8.0	28.0	122.3	487.3	1177.4	2187.9	2980.9	2980.9	2187.9	1177.4	487.3	122.3	28.0	8.0	1.7
-30		6.3	23.7	63.3	307.3	699.1	1251.1	1679.2	1679.2	1251.1	699.1	307.3	63.3	23.7	6.3	
-40	0.9	4.3	17.2	38.5	111.7	338.2	571.0	731.6	731.6	571.0	338.2	111.7	38.5	17.2	4.3	0.9
-50		2.4	10.2	25.7	44.4	80.1	163.1	229.7	229.7	163.1	80.1	44.4	25.7	10.2	2.4	
-60	0.4	1.1	4.6	12.4	24.2	37.0	46.6	51.8	51.8	46.6	37.0	24.2	12.4	4.6	1.1	0.4
-70		0.5	1.5	3.9	8.0	13.0	17.6	20.2	20.2	17.6	13.0	8.0	3.9	1.5	0.5	
-80																
-90	0.1	0.8		2.8		6.1		7.7		6.1		2.8		0.8		0.1

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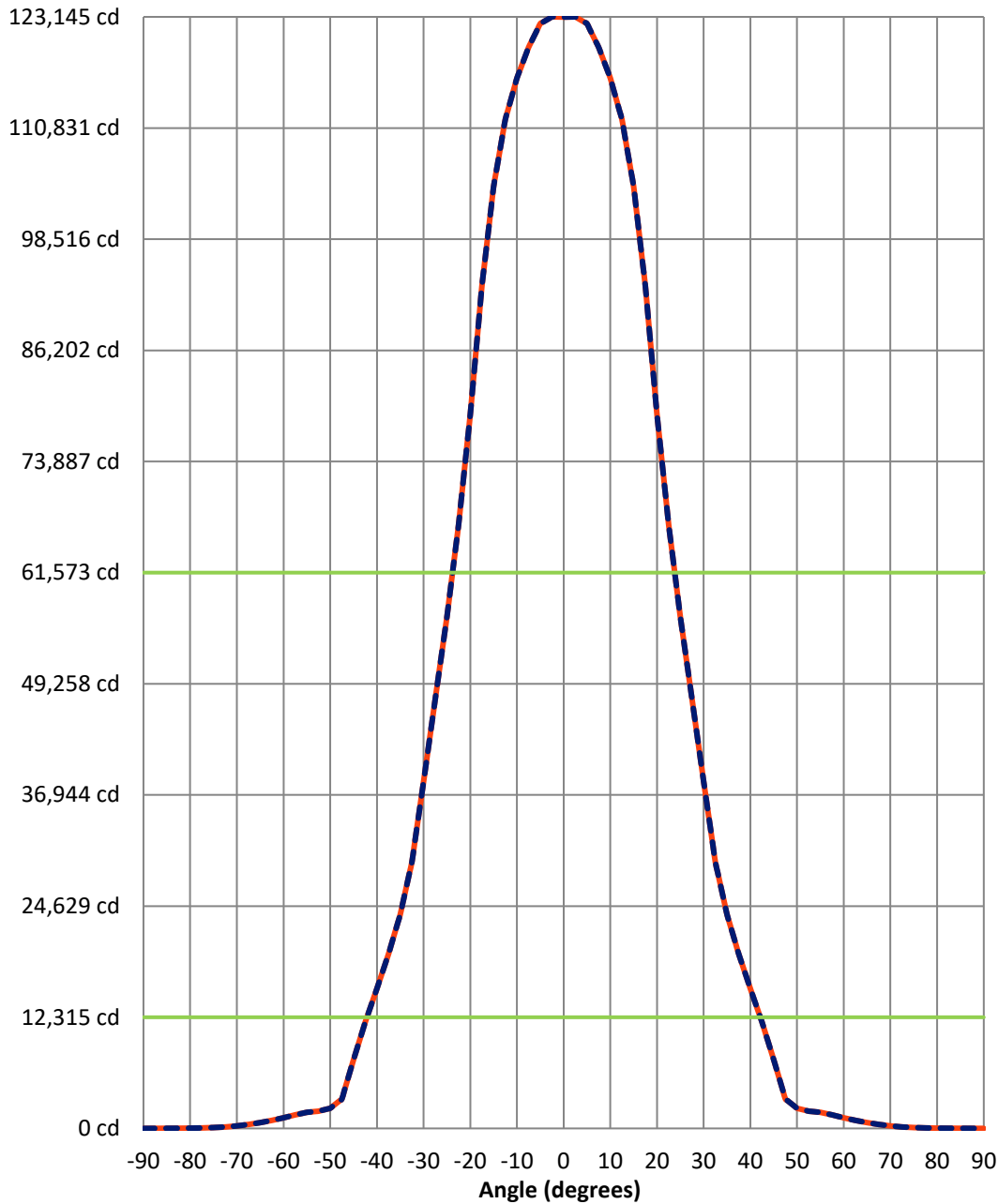
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 50496.6
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 83868.7
 Efficiency: 93.2%

Spill:
 Lumens: 6143.1
 Efficiency: 6.8%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-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	1.6	1.8	2.1	2.3	2.5
85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.9	7.6
80°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.2	9.1	10.1
77.5°	0.0	1.3	2.6	3.9	5.2	6.4	7.7	9.0	10.2	11.4	12.7
75°	0.0	1.6	3.1	4.6	6.2	7.7	9.2	10.7	12.2	14.0	15.8
72.5°	0.0	1.8	3.6	5.4	7.2	9.0	10.7	12.6	14.7	16.8	18.8
70°	0.0	2.1	4.1	6.1	8.2	10.2	12.2	14.7	17.1	19.5	22.8
67.5°	0.0	2.3	4.6	6.9	9.1	11.4	14.0	16.8	19.5	23.3	27.0
65°	0.0	2.5	5.1	7.6	10.1	12.7	15.8	18.8	22.8	27.0	32.7
62.5°	0.0	2.8	5.5	8.3	11.0	14.2	17.5	21.4	26.1	31.6	41.9
60°	0.0	3.0	6.0	9.0	12.0	15.6	19.2	24.2	29.3	39.8	50.9
57.5°	0.0	3.2	6.4	9.7	13.0	17.0	21.5	27.0	35.5	47.7	64.6
55°	0.0	3.4	6.9	10.3	14.1	18.3	23.8	29.6	42.5	56.9	80.3
52.5°	0.0	3.7	7.3	10.9	15.2	19.7	26.0	35.1	49.2	70.6	95.5
50°	0.0	3.9	7.7	11.6	16.2	21.5	28.1	40.8	57.3	83.9	116.3
47.5°	0.0	4.1	8.1	12.2	17.1	23.2	30.6	46.4	68.7	96.8	137.0
45°	0.0	4.2	8.5	12.9	18.1	24.9	35.1	51.7	79.7	114.7	157.1
42.5°	0.0	4.4	8.8	13.5	19.0	26.5	39.5	59.2	90.3	132.0	191.2
40°	0.0	4.6	9.2	14.2	20.0	28.0	43.6	68.0	101.8	148.5	226.4
37.5°	0.0	4.8	9.5	14.8	21.2	29.4	47.6	76.3	115.8	168.2	259.9
35°	0.0	4.9	9.8	15.4	22.2	31.9	51.3	84.3	129.0	196.7	296.1
32.5°	0.0	5.1	10.1	15.9	23.3	34.9	55.7	91.8	141.5	223.5	336.9
30°	0.0	5.2	10.4	16.4	24.2	37.6	61.6	99.5	153.1	248.6	375.2
27.5°	0.0	5.3	10.6	16.9	25.1	40.1	67.2	108.9	167.6	272.0	410.9
25°	0.0	5.4	10.9	17.3	25.9	42.4	72.3	117.6	186.6	298.6	444.1
22.5°	0.0	5.5	11.1	17.7	26.7	44.6	76.9	125.5	203.9	325.4	481.6
20°	0.0	5.6	11.3	18.1	27.3	46.5	81.1	132.6	219.6	349.6	515.5
17.5°	0.0	5.7	11.4	18.4	27.9	48.2	84.8	138.9	233.5	371.1	545.6
15°	0.0	5.8	11.6	18.6	28.5	49.7	88.1	144.5	245.6	389.9	571.9
12.5°	0.0	5.9	11.7	18.9	28.9	50.9	90.8	149.2	255.9	405.8	594.3
10°	0.0	5.9	11.8	19.1	29.3	52.0	93.1	153.0	264.4	418.9	612.7
7.5°	0.0	5.9	11.9	19.2	29.5	52.8	94.8	156.0	271.0	429.2	627.0
5°	0.0	6.0	12.0	19.3	29.7	53.3	96.1	158.2	275.7	436.5	637.3
2.5°	0.0	6.0	12.0	19.4	29.9	53.7	96.8	159.5	278.6	440.9	643.5
0°	0.0	6.0	12.0	19.4	29.9	53.8	97.1	159.9	279.5	442.4	645.6
-2.5°	0.0	6.0	12.0	19.4	29.9	53.8	97.1	159.9	279.5	442.4	645.6
-5°	0.0	6.0	12.0	19.3	29.7	53.3	96.1	158.2	275.7	436.5	637.3
-7.5°	0.0	5.9	11.9	19.2	29.5	52.8	94.8	156.0	271.0	429.2	627.0
-10°	0.0	5.9	11.8	19.1	29.3	52.0	93.1	153.0	264.4	418.9	612.7
-12.5°	0.0	5.9	11.7	18.9	28.9	50.9	90.8	149.2	255.9	405.8	594.3
-15°	0.0	5.8	11.6	18.6	28.5	49.7	88.1	144.5	245.6	389.9	571.9
-17.5°	0.0	5.7	11.4	18.4	27.9	48.2	84.8	138.9	233.5	371.1	545.6
-20°	0.0	5.6	11.3	18.1	27.3	46.5	81.1	132.6	219.6	349.6	515.5



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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	11.1	17.7	26.7	44.6	76.9	125.5	203.9	325.4	481.6
-25°	0.0	5.4	10.9	17.3	25.9	42.4	72.3	117.6	186.6	298.6	444.1
-27.5°	0.0	5.3	10.6	16.9	25.1	40.1	67.2	108.9	167.6	272.0	410.9
-30°	0.0	5.2	10.4	16.4	24.2	37.6	61.6	99.5	153.1	248.6	375.2
-32.5°	0.0	5.1	10.1	15.9	23.3	34.9	55.7	91.8	141.5	223.5	336.9
-35°	0.0	4.9	9.8	15.4	22.2	31.9	51.3	84.3	129.0	196.7	296.1
-37.5°	0.0	4.8	9.5	14.8	21.2	29.4	47.6	76.3	115.8	168.2	259.9
-40°	0.0	4.6	9.2	14.2	20.0	28.0	43.6	68.0	101.8	148.5	226.4
-42.5°	0.0	4.4	8.8	13.5	19.0	26.5	39.5	59.2	90.3	132.0	191.2
-45°	0.0	4.2	8.5	12.9	18.1	24.9	35.1	51.7	79.7	114.7	157.1
-47.5°	0.0	4.1	8.1	12.2	17.1	23.2	30.6	46.4	68.7	96.8	137.0
-50°	0.0	3.9	7.7	11.6	16.2	21.5	28.1	40.8	57.3	83.9	116.3
-52.5°	0.0	3.7	7.3	10.9	15.2	19.7	26.0	35.1	49.2	70.6	95.5
-55°	0.0	3.4	6.9	10.3	14.1	18.3	23.8	29.6	42.5	56.9	80.3
-57.5°	0.0	3.2	6.4	9.7	13.0	17.0	21.5	27.0	35.5	47.7	64.6
-60°	0.0	3.0	6.0	9.0	12.0	15.6	19.2	24.2	29.3	39.8	50.9
-62.5°	0.0	2.8	5.5	8.3	11.0	14.2	17.5	21.4	26.1	31.6	41.9
-65°	0.0	2.5	5.1	7.6	10.1	12.7	15.8	18.8	22.8	27.0	32.7
-67.5°	0.0	2.3	4.6	6.9	9.1	11.4	14.0	16.8	19.5	23.3	27.0
-70°	0.0	2.1	4.1	6.1	8.2	10.2	12.2	14.7	17.1	19.5	22.8
-72.5°	0.0	1.8	3.6	5.4	7.2	9.0	10.7	12.6	14.7	16.8	18.8
-75°	0.0	1.6	3.1	4.6	6.2	7.7	9.2	10.7	12.2	14.0	15.8
-77.5°	0.0	1.3	2.6	3.9	5.2	6.4	7.7	9.0	10.2	11.4	12.7
-80°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.2	9.1	10.1
-82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.9	7.6
-85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	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°	2.8	3.0	3.2	3.4	3.7	3.9	4.1	4.2	4.4	4.6	4.8
85°	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.5	8.8	9.2	9.5
82.5°	8.3	9.0	9.7	10.3	10.9	11.6	12.2	12.9	13.5	14.2	14.8
80°	11.0	12.0	13.0	14.1	15.2	16.2	17.1	18.1	19.0	20.0	21.2
77.5°	14.2	15.6	17.0	18.3	19.7	21.5	23.2	24.9	26.5	28.0	29.4
75°	17.5	19.2	21.5	23.8	26.0	28.1	30.6	35.1	39.5	43.6	47.6
72.5°	21.4	24.2	27.0	29.6	35.1	40.8	46.4	51.7	59.2	68.0	76.3
70°	26.1	29.3	35.5	42.5	49.2	57.3	68.7	79.7	90.3	101.8	115.8
67.5°	31.6	39.8	47.7	56.9	70.6	83.9	96.8	114.7	132.0	148.5	168.2
65°	41.9	50.9	64.6	80.3	95.5	116.3	137.0	157.1	191.2	226.4	259.9
62.5°	52.0	68.5	86.1	106.1	130.4	154.0	192.3	234.4	274.9	326.1	376.6
60°	68.5	88.1	111.8	138.9	170.5	219.6	267.2	325.4	385.8	444.1	513.2
57.5°	86.1	111.8	141.8	181.4	236.1	292.8	363.2	431.3	510.4	589.1	668.5
55°	106.1	138.9	181.4	241.6	308.0	386.0	466.7	558.4	647.3	751.3	850.8
52.5°	130.4	170.5	236.1	308.0	393.7	485.9	587.5	694.9	811.2	927.8	1052.0
50°	154.0	219.6	292.8	386.0	485.9	597.2	718.9	847.5	984.2	1123.2	1266.8
47.5°	192.3	267.2	363.2	466.7	587.5	718.9	859.6	1012.7	1166.3	1332.8	1494.8
45°	234.4	325.4	431.3	558.4	694.9	847.5	1012.7	1180.7	1366.0	1540.0	1689.0
42.5°	274.9	385.8	510.4	647.3	811.2	984.2	1166.3	1366.0	1554.5	1718.6	1827.5
40°	326.1	444.1	589.1	751.3	927.8	1123.2	1332.8	1540.0	1718.6	1834.2	1909.3
37.5°	376.6	513.2	668.5	850.8	1052.0	1266.8	1494.8	1689.0	1827.5	1909.3	2109.3
35°	424.5	578.8	756.0	953.9	1170.6	1411.6	1630.2	1807.3	1895.6	2091.1	2461.9
32.5°	476.5	640.9	838.7	1057.9	1297.0	1543.4	1757.7	1868.3	2036.6	2342.0	3076.1
30°	529.5	711.0	920.2	1155.9	1417.4	1655.5	1828.0	1947.0	2197.1	2892.8	4875.7
27.5°	578.8	777.4	1004.2	1256.5	1527.0	1760.6	1878.7	2088.2	2591.6	3823.9	7224.8
25°	624.4	838.7	1082.1	1352.9	1617.2	1819.1	1946.3	2220.0	3046.8	5886.2	9328.0
22.5°	670.6	895.1	1153.4	1441.3	1700.1	1859.3	2059.1	2569.6	4054.4	7794.5	11257.7
20°	716.6	953.9	1223.0	1519.4	1775.4	1895.8	2161.7	2926.5	5681.1	9441.0	12907.9
17.5°	757.5	1006.3	1288.3	1581.0	1812.1	1953.3	2286.9	3247.0	7145.0	10926.3	14342.9
15°	793.3	1052.0	1345.5	1635.0	1838.5	2027.8	2547.1	4311.9	8392.2	12200.1	15616.9
12.5°	823.8	1091.0	1394.3	1681.2	1861.0	2091.5	2770.0	5334.6	9434.7	13212.3	16760.9
10°	848.8	1123.2	1434.5	1719.2	1879.6	2144.1	2954.3	6181.4	10299.3	14053.4	17713.5
7.5°	868.4	1148.3	1465.9	1748.9	1894.2	2185.4	3098.9	6846.5	10979.3	14715.9	18465.3
5°	882.4	1166.3	1488.4	1770.3	1904.6	2215.0	3202.8	7325.1	11469.1	15193.7	19008.4
2.5°	890.9	1177.1	1502.0	1783.1	1910.9	2232.8	3265.5	7613.7	11764.7	15482.3	19336.7
0°	893.7	1180.7	1506.5	1787.4	1913.0	2238.8	3286.4	7710.2	11863.5	15578.8	19446.6
-2.5°	890.9	1177.1	1502.0	1783.1	1910.9	2232.8	3265.5	7613.7	11764.7	15482.3	19336.7
-5°	882.4	1166.3	1488.4	1770.3	1904.6	2215.0	3202.8	7325.1	11469.1	15193.7	19008.4
-7.5°	868.4	1148.3	1465.9	1748.9	1894.2	2185.4	3098.9	6846.5	10979.3	14715.9	18465.3
-10°	848.8	1123.2	1434.5	1719.2	1879.6	2144.1	2954.3	6181.4	10299.3	14053.4	17713.5
-12.5°	823.8	1091.0	1394.3	1681.2	1861.0	2091.5	2770.0	5334.6	9434.7	13212.3	16760.9
-15°	793.3	1052.0	1345.5	1635.0	1838.5	2027.8	2547.1	4311.9	8392.2	12200.1	15616.9
-17.5°	757.5	1006.3	1288.3	1581.0	1812.1	1953.3	2286.9	3247.0	7145.0	10926.3	14342.9
-20°	716.6	953.9	1223.0	1519.4	1775.4	1895.8	2161.7	2926.5	5681.1	9441.0	12907.9



REPORT NUMBER: P731262 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	670.6	895.1	1153.4	1441.3	1700.1	1859.3	2059.1	2569.6	4054.4	7794.5	11257.7
-25°	624.4	838.7	1082.1	1352.9	1617.2	1819.1	1946.3	2220.0	3046.8	5886.2	9328.0
-27.5°	578.8	777.4	1004.2	1256.5	1527.0	1760.6	1878.7	2088.2	2591.6	3823.9	7224.8
-30°	529.5	711.0	920.2	1155.9	1417.4	1655.5	1828.0	1947.0	2197.1	2892.8	4875.7
-32.5°	476.5	640.9	838.7	1057.9	1297.0	1543.4	1757.7	1868.3	2036.6	2342.0	3076.1
-35°	424.5	578.8	756.0	953.9	1170.6	1411.6	1630.2	1807.3	1895.6	2091.1	2461.9
-37.5°	376.6	513.2	668.5	850.8	1052.0	1266.8	1494.8	1689.0	1827.5	1909.3	2109.3
-40°	326.1	444.1	589.1	751.3	927.8	1123.2	1332.8	1540.0	1718.6	1834.2	1909.3
-42.5°	274.9	385.8	510.4	647.3	811.2	984.2	1166.3	1366.0	1554.5	1718.6	1827.5
-45°	234.4	325.4	431.3	558.4	694.9	847.5	1012.7	1180.7	1366.0	1540.0	1689.0
-47.5°	192.3	267.2	363.2	466.7	587.5	718.9	859.6	1012.7	1166.3	1332.8	1494.8
-50°	154.0	219.6	292.8	386.0	485.9	597.2	718.9	847.5	984.2	1123.2	1266.8
-52.5°	130.4	170.5	236.1	308.0	393.7	485.9	587.5	694.9	811.2	927.8	1052.0
-55°	106.1	138.9	181.4	241.6	308.0	386.0	466.7	558.4	647.3	751.3	850.8
-57.5°	86.1	111.8	141.8	181.4	236.1	292.8	363.2	431.3	510.4	589.1	668.5
-60°	68.5	88.1	111.8	138.9	170.5	219.6	267.2	325.4	385.8	444.1	513.2
-62.5°	52.0	68.5	86.1	106.1	130.4	154.0	192.3	234.4	274.9	326.1	376.6
-65°	41.9	50.9	64.6	80.3	95.5	116.3	137.0	157.1	191.2	226.4	259.9
-67.5°	31.6	39.8	47.7	56.9	70.6	83.9	96.8	114.7	132.0	148.5	168.2
-70°	26.1	29.3	35.5	42.5	49.2	57.3	68.7	79.7	90.3	101.8	115.8
-72.5°	21.4	24.2	27.0	29.6	35.1	40.8	46.4	51.7	59.2	68.0	76.3
-75°	17.5	19.2	21.5	23.8	26.0	28.1	30.6	35.1	39.5	43.6	47.6
-77.5°	14.2	15.6	17.0	18.3	19.7	21.5	23.2	24.9	26.5	28.0	29.4
-80°	11.0	12.0	13.0	14.1	15.2	16.2	17.1	18.1	19.0	20.0	21.2
-82.5°	8.3	9.0	9.7	10.3	10.9	11.6	12.2	12.9	13.5	14.2	14.8
-85°	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.5	8.8	9.2	9.5
-87.5°	2.8	3.0	3.2	3.4	3.7	3.9	4.1	4.2	4.4	4.6	4.8
-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: P731262 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-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°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
85°	9.8	10.1	10.4	10.6	10.9	11.1	11.3	11.4	11.6	11.7	11.8
82.5°	15.4	15.9	16.4	16.9	17.3	17.7	18.1	18.4	18.6	18.9	19.1
80°	22.2	23.3	24.2	25.1	25.9	26.7	27.3	27.9	28.5	28.9	29.3
77.5°	31.9	34.9	37.6	40.1	42.4	44.6	46.5	48.2	49.7	50.9	52.0
75°	51.3	55.7	61.6	67.2	72.3	76.9	81.1	84.8	88.1	90.8	93.1
72.5°	84.3	91.8	99.5	108.9	117.6	125.5	132.6	138.9	144.5	149.2	153.0
70°	129.0	141.5	153.1	167.6	186.6	203.9	219.6	233.5	245.6	255.9	264.4
67.5°	196.7	223.5	248.6	272.0	298.6	325.4	349.6	371.1	389.9	405.8	418.9
65°	296.1	336.9	375.2	410.9	444.1	481.6	515.5	545.6	571.9	594.3	612.7
62.5°	424.5	476.5	529.5	578.8	624.4	670.6	716.6	757.5	793.3	823.8	848.8
60°	578.8	640.9	711.0	777.4	838.7	895.1	953.9	1006.3	1052.0	1091.0	1123.2
57.5°	756.0	838.7	920.2	1004.2	1082.1	1153.4	1223.0	1288.3	1345.5	1394.3	1434.5
55°	953.9	1057.9	1155.9	1256.5	1352.9	1441.3	1519.4	1581.0	1635.0	1681.2	1719.2
52.5°	1170.6	1297.0	1417.4	1527.0	1617.2	1700.1	1775.4	1812.1	1838.5	1861.0	1879.6
50°	1411.6	1543.4	1655.5	1760.6	1819.1	1859.3	1895.8	1953.3	2027.8	2091.5	2144.1
47.5°	1630.2	1757.7	1828.0	1878.7	1946.3	2059.1	2161.7	2286.9	2547.1	2770.0	2954.3
45°	1807.3	1868.3	1947.0	2088.2	2220.0	2569.6	2926.5	3247.0	4311.9	5334.6	6181.4
42.5°	1895.6	2036.6	2197.1	2591.6	3046.8	4054.4	5681.1	7145.0	8392.2	9434.7	10299.3
40°	2091.1	2342.0	2892.8	3823.9	5886.2	7794.5	9441.0	10926.3	12200.1	13212.3	14053.4
37.5°	2461.9	3076.1	4875.7	7224.8	9328.0	11257.7	12907.9	14342.9	15616.9	16760.9	17713.5
35°	3137.7	5407.5	8020.3	10371.4	12512.3	14364.2	16091.7	17704.8	19139.6	20508.1	21685.2
32.5°	5407.5	8277.6	10899.6	13239.4	15357.6	17414.7	19326.6	21286.3	23050.2	24838.0	26559.1
30°	8020.3	10899.6	13483.9	15873.0	18224.5	20569.8	22901.9	25444.1	28007.8	30529.5	33419.7
27.5°	10371.4	13239.4	15873.0	18497.2	21209.9	23914.2	27273.2	30708.0	34983.2	38733.1	41961.7
25°	12512.3	15357.6	18224.5	21209.9	24362.8	28205.5	32937.7	38062.6	42784.4	46962.9	50493.0
22.5°	14364.2	17414.7	20569.8	23914.2	28205.5	33691.6	39655.2	45297.3	50428.1	54970.0	59091.5
20°	16091.7	19326.6	22901.9	27273.2	32937.7	39655.2	46149.5	52206.5	57858.9	63507.9	68577.8
17.5°	17704.8	21286.3	25444.1	30708.0	38062.6	45297.3	52206.5	58938.7	65797.6	72928.0	79442.7
15°	19139.6	23050.2	28007.8	34983.2	42784.4	50428.1	57858.9	65797.6	74420.1	83117.4	91646.1
12.5°	20508.1	24838.0	30529.5	38733.1	46962.9	54970.0	63507.9	72928.0	83117.4	93717.6	101045.9
10°	21685.2	26559.1	33419.7	41961.7	50493.0	59091.5	68577.8	79442.7	91646.1	101045.9	108094.3
7.5°	22616.3	27924.2	35720.0	44542.4	53322.8	62652.3	73352.1	85672.3	97679.2	106674.1	112371.4
5°	23290.1	28914.2	37392.8	46425.6	55397.1	65277.5	76899.1	90398.8	101762.3	109948.0	114966.2
2.5°	23697.9	29514.4	38409.0	47572.3	56664.2	66888.0	79087.8	93339.3	104333.1	111761.8	116360.0
0°	23834.5	29715.5	38749.8	47957.5	57090.5	67431.1	79828.1	94338.4	105212.5	112318.9	116836.8
-2.5°	23697.9	29514.4	38409.0	47572.3	56664.2	66888.0	79087.8	93339.3	104333.1	111761.8	116360.0
-5°	23290.1	28914.2	37392.8	46425.6	55397.1	65277.5	76899.1	90398.8	101762.3	109948.0	114966.2
-7.5°	22616.3	27924.2	35720.0	44542.4	53322.8	62652.3	73352.1	85672.3	97679.2	106674.1	112371.4
-10°	21685.2	26559.1	33419.7	41961.7	50493.0	59091.5	68577.8	79442.7	91646.1	101045.9	108094.3
-12.5°	20508.1	24838.0	30529.5	38733.1	46962.9	54970.0	63507.9	72928.0	83117.4	93717.6	101045.9
-15°	19139.6	23050.2	28007.8	34983.2	42784.4	50428.1	57858.9	65797.6	74420.1	83117.4	91646.1
-17.5°	17704.8	21286.3	25444.1	30708.0	38062.6	45297.3	52206.5	58938.7	65797.6	72928.0	79442.7
-20°	16091.7	19326.6	22901.9	27273.2	32937.7	39655.2	46149.5	52206.5	57858.9	63507.9	68577.8



REPORT NUMBER: P731262 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14364.2	17414.7	20569.8	23914.2	28205.5	33691.6	39655.2	45297.3	50428.1	54970.0	59091.5
-25°	12512.3	15357.6	18224.5	21209.9	24362.8	28205.5	32937.7	38062.6	42784.4	46962.9	50493.0
-27.5°	10371.4	13239.4	15873.0	18497.2	21209.9	23914.2	27273.2	30708.0	34983.2	38733.1	41961.7
-30°	8020.3	10899.6	13483.9	15873.0	18224.5	20569.8	22901.9	25444.1	28007.8	30529.5	33419.7
-32.5°	5407.5	8277.6	10899.6	13239.4	15357.6	17414.7	19326.6	21286.3	23050.2	24838.0	26559.1
-35°	3137.7	5407.5	8020.3	10371.4	12512.3	14364.2	16091.7	17704.8	19139.6	20508.1	21685.2
-37.5°	2461.9	3076.1	4875.7	7224.8	9328.0	11257.7	12907.9	14342.9	15616.9	16760.9	17713.5
-40°	2091.1	2342.0	2892.8	3823.9	5886.2	7794.5	9441.0	10926.3	12200.1	13212.3	14053.4
-42.5°	1895.6	2036.6	2197.1	2591.6	3046.8	4054.4	5681.1	7145.0	8392.2	9434.7	10299.3
-45°	1807.3	1868.3	1947.0	2088.2	2220.0	2569.6	2926.5	3247.0	4311.9	5334.6	6181.4
-47.5°	1630.2	1757.7	1828.0	1878.7	1946.3	2059.1	2161.7	2286.9	2547.1	2770.0	2954.3
-50°	1411.6	1543.4	1655.5	1760.6	1819.1	1859.3	1895.8	1953.3	2027.8	2091.5	2144.1
-52.5°	1170.6	1297.0	1417.4	1527.0	1617.2	1700.1	1775.4	1812.1	1838.5	1861.0	1879.6
-55°	953.9	1057.9	1155.9	1256.5	1352.9	1441.3	1519.4	1581.0	1635.0	1681.2	1719.2
-57.5°	756.0	838.7	920.2	1004.2	1082.1	1153.4	1223.0	1288.3	1345.5	1394.3	1434.5
-60°	578.8	640.9	711.0	777.4	838.7	895.1	953.9	1006.3	1052.0	1091.0	1123.2
-62.5°	424.5	476.5	529.5	578.8	624.4	670.6	716.6	757.5	793.3	823.8	848.8
-65°	296.1	336.9	375.2	410.9	444.1	481.6	515.5	545.6	571.9	594.3	612.7
-67.5°	196.7	223.5	248.6	272.0	298.6	325.4	349.6	371.1	389.9	405.8	418.9
-70°	129.0	141.5	153.1	167.6	186.6	203.9	219.6	233.5	245.6	255.9	264.4
-72.5°	84.3	91.8	99.5	108.9	117.6	125.5	132.6	138.9	144.5	149.2	153.0
-75°	51.3	55.7	61.6	67.2	72.3	76.9	81.1	84.8	88.1	90.8	93.1
-77.5°	31.9	34.9	37.6	40.1	42.4	44.6	46.5	48.2	49.7	50.9	52.0
-80°	22.2	23.3	24.2	25.1	25.9	26.7	27.3	27.9	28.5	28.9	29.3
-82.5°	15.4	15.9	16.4	16.9	17.3	17.7	18.1	18.4	18.6	18.9	19.1
-85°	9.8	10.1	10.4	10.6	10.9	11.1	11.3	11.4	11.6	11.7	11.8
-87.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
-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: P731262 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-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°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
85°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.4
82.5°	19.2	19.3	19.4	19.4	19.4	19.3	19.2	19.1	18.9	18.6	18.4
80°	29.5	29.7	29.9	29.9	29.9	29.7	29.5	29.3	28.9	28.5	27.9
77.5°	52.8	53.3	53.7	53.8	53.7	53.3	52.8	52.0	50.9	49.7	48.2
75°	94.8	96.1	96.8	97.1	96.8	96.1	94.8	93.1	90.8	88.1	84.8
72.5°	156.0	158.2	159.5	159.9	159.5	158.2	156.0	153.0	149.2	144.5	138.9
70°	271.0	275.7	278.6	279.5	278.6	275.7	271.0	264.4	255.9	245.6	233.5
67.5°	429.2	436.5	440.9	442.4	440.9	436.5	429.2	418.9	405.8	389.9	371.1
65°	627.0	637.3	643.5	645.6	643.5	637.3	627.0	612.7	594.3	571.9	545.6
62.5°	868.4	882.4	890.9	893.7	890.9	882.4	868.4	848.8	823.8	793.3	757.5
60°	1148.3	1166.3	1177.1	1180.7	1177.1	1166.3	1148.3	1123.2	1091.0	1052.0	1006.3
57.5°	1465.9	1488.4	1502.0	1506.5	1502.0	1488.4	1465.9	1434.5	1394.3	1345.5	1288.3
55°	1748.9	1770.3	1783.1	1787.4	1783.1	1770.3	1748.9	1719.2	1681.2	1635.0	1581.0
52.5°	1894.2	1904.6	1910.9	1913.0	1910.9	1904.6	1894.2	1879.6	1861.0	1838.5	1812.1
50°	2185.4	2215.0	2232.8	2238.8	2232.8	2215.0	2185.4	2144.1	2091.5	2027.8	1953.3
47.5°	3098.9	3202.8	3265.5	3286.4	3265.5	3202.8	3098.9	2954.3	2770.0	2547.1	2286.9
45°	6846.5	7325.1	7613.7	7710.2	7613.7	7325.1	6846.5	6181.4	5334.6	4311.9	3247.0
42.5°	10979.3	11469.1	11764.7	11863.5	11764.7	11469.1	10979.3	10299.3	9434.7	8392.2	7145.0
40°	14715.9	15193.7	15482.3	15578.8	15482.3	15193.7	14715.9	14053.4	13212.3	12200.1	10926.3
37.5°	18465.3	19008.4	19336.7	19446.6	19336.7	19008.4	18465.3	17713.5	16760.9	15616.9	14342.9
35°	22616.3	23290.1	23697.9	23834.5	23697.9	23290.1	22616.3	21685.2	20508.1	19139.6	17704.8
32.5°	27924.2	28914.2	29514.4	29715.5	29514.4	28914.2	27924.2	26559.1	24838.0	23050.2	21286.3
30°	35720.0	37392.8	38409.0	38749.8	38409.0	37392.8	35720.0	33419.7	30529.5	28007.8	25444.1
27.5°	44542.4	46425.6	47572.3	47957.5	47572.3	46425.6	44542.4	41961.7	38733.1	34983.2	30708.0
25°	53322.8	55397.1	56664.2	57090.5	56664.2	55397.1	53322.8	50493.0	46962.9	42784.4	38062.6
22.5°	62652.3	65277.5	66888.0	67431.1	66888.0	65277.5	62652.3	59091.5	54970.0	50428.1	45297.3
20°	73352.1	76899.1	79087.8	79828.1	79087.8	76899.1	73352.1	68577.8	63507.9	57858.9	52206.5
17.5°	85672.3	90398.8	93339.3	94338.4	93339.3	90398.8	85672.3	79442.7	72928.0	65797.6	58938.7
15°	97679.2	101762.3	104333.1	105212.5	104333.1	101762.3	97679.2	91646.1	83117.4	74420.1	65797.6
12.5°	106674.1	109948.0	111761.8	112318.9	111761.8	109948.0	106674.1	101045.9	93717.6	83117.4	72928.0
10°	112371.4	114966.2	116360.0	116836.8	116360.0	114966.2	112371.4	108094.3	101045.9	91646.1	79442.7
7.5°	115911.4	118326.9	119777.9	120289.2	119777.9	118326.9	115911.4	112371.4	106674.1	97679.2	85672.3
5°	118326.9	120838.4	122396.5	122871.7	122396.5	120838.4	118326.9	114966.2	109948.0	101762.3	90398.8
2.5°	119777.9	122396.5	123145.3	123119.8	123145.3	122396.5	119777.9	116360.0	111761.8	104333.1	93339.3
0°	120289.2	122871.7	123119.8	122644.5	123119.8	122871.7	120289.2	116836.8	112318.9	105212.5	94338.4
-2.5°	119777.9	122396.5	123145.3	123119.8	123145.3	122396.5	119777.9	116360.0	111761.8	104333.1	93339.3
-5°	118326.9	120838.4	122396.5	122871.7	122396.5	120838.4	118326.9	114966.2	109948.0	101762.3	90398.8
-7.5°	115911.4	118326.9	119777.9	120289.2	119777.9	118326.9	115911.4	112371.4	106674.1	97679.2	85672.3
-10°	112371.4	114966.2	116360.0	116836.8	116360.0	114966.2	112371.4	108094.3	101045.9	91646.1	79442.7
-12.5°	106674.1	109948.0	111761.8	112318.9	111761.8	109948.0	106674.1	101045.9	93717.6	83117.4	72928.0
-15°	97679.2	101762.3	104333.1	105212.5	104333.1	101762.3	97679.2	91646.1	83117.4	74420.1	65797.6
-17.5°	85672.3	90398.8	93339.3	94338.4	93339.3	90398.8	85672.3	79442.7	72928.0	65797.6	58938.7
-20°	73352.1	76899.1	79087.8	79828.1	79087.8	76899.1	73352.1	68577.8	63507.9	57858.9	52206.5



REPORT NUMBER: P731262 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	62652.3	65277.5	66888.0	67431.1	66888.0	65277.5	62652.3	59091.5	54970.0	50428.1	45297.3
-25°	53322.8	55397.1	56664.2	57090.5	56664.2	55397.1	53322.8	50493.0	46962.9	42784.4	38062.6
-27.5°	44542.4	46425.6	47572.3	47957.5	47572.3	46425.6	44542.4	41961.7	38733.1	34983.2	30708.0
-30°	35720.0	37392.8	38409.0	38749.8	38409.0	37392.8	35720.0	33419.7	30529.5	28007.8	25444.1
-32.5°	27924.2	28914.2	29514.4	29715.5	29514.4	28914.2	27924.2	26559.1	24838.0	23050.2	21286.3
-35°	22616.3	23290.1	23697.9	23834.5	23697.9	23290.1	22616.3	21685.2	20508.1	19139.6	17704.8
-37.5°	18465.3	19008.4	19336.7	19446.6	19336.7	19008.4	18465.3	17713.5	16760.9	15616.9	14342.9
-40°	14715.9	15193.7	15482.3	15578.8	15482.3	15193.7	14715.9	14053.4	13212.3	12200.1	10926.3
-42.5°	10979.3	11469.1	11764.7	11863.5	11764.7	11469.1	10979.3	10299.3	9434.7	8392.2	7145.0
-45°	6846.5	7325.1	7613.7	7710.2	7613.7	7325.1	6846.5	6181.4	5334.6	4311.9	3247.0
-47.5°	3098.9	3202.8	3265.5	3286.4	3265.5	3202.8	3098.9	2954.3	2770.0	2547.1	2286.9
-50°	2185.4	2215.0	2232.8	2238.8	2232.8	2215.0	2185.4	2144.1	2091.5	2027.8	1953.3
-52.5°	1894.2	1904.6	1910.9	1913.0	1910.9	1904.6	1894.2	1879.6	1861.0	1838.5	1812.1
-55°	1748.9	1770.3	1783.1	1787.4	1783.1	1770.3	1748.9	1719.2	1681.2	1635.0	1581.0
-57.5°	1465.9	1488.4	1502.0	1506.5	1502.0	1488.4	1465.9	1434.5	1394.3	1345.5	1288.3
-60°	1148.3	1166.3	1177.1	1180.7	1177.1	1166.3	1148.3	1123.2	1091.0	1052.0	1006.3
-62.5°	868.4	882.4	890.9	893.7	890.9	882.4	868.4	848.8	823.8	793.3	757.5
-65°	627.0	637.3	643.5	645.6	643.5	637.3	627.0	612.7	594.3	571.9	545.6
-67.5°	429.2	436.5	440.9	442.4	440.9	436.5	429.2	418.9	405.8	389.9	371.1
-70°	271.0	275.7	278.6	279.5	278.6	275.7	271.0	264.4	255.9	245.6	233.5
-72.5°	156.0	158.2	159.5	159.9	159.5	158.2	156.0	153.0	149.2	144.5	138.9
-75°	94.8	96.1	96.8	97.1	96.8	96.1	94.8	93.1	90.8	88.1	84.8
-77.5°	52.8	53.3	53.7	53.8	53.7	53.3	52.8	52.0	50.9	49.7	48.2
-80°	29.5	29.7	29.9	29.9	29.9	29.7	29.5	29.3	28.9	28.5	27.9
-82.5°	19.2	19.3	19.4	19.4	19.4	19.3	19.2	19.1	18.9	18.6	18.4
-85°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.4
-87.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
-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):

	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°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
85°	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.5	9.2	8.8	8.5
82.5°	18.1	17.7	17.3	16.9	16.4	15.9	15.4	14.8	14.2	13.5	12.9
80°	27.3	26.7	25.9	25.1	24.2	23.3	22.2	21.2	20.0	19.0	18.1
77.5°	46.5	44.6	42.4	40.1	37.6	34.9	31.9	29.4	28.0	26.5	24.9
75°	81.1	76.9	72.3	67.2	61.6	55.7	51.3	47.6	43.6	39.5	35.1
72.5°	132.6	125.5	117.6	108.9	99.5	91.8	84.3	76.3	68.0	59.2	51.7
70°	219.6	203.9	186.6	167.6	153.1	141.5	129.0	115.8	101.8	90.3	79.7
67.5°	349.6	325.4	298.6	272.0	248.6	223.5	196.7	168.2	148.5	132.0	114.7
65°	515.5	481.6	444.1	410.9	375.2	336.9	296.1	259.9	226.4	191.2	157.1
62.5°	716.6	670.6	624.4	578.8	529.5	476.5	424.5	376.6	326.1	274.9	234.4
60°	953.9	895.1	838.7	777.4	711.0	640.9	578.8	513.2	444.1	385.8	325.4
57.5°	1223.0	1153.4	1082.1	1004.2	920.2	838.7	756.0	668.5	589.1	510.4	431.3
55°	1519.4	1441.3	1352.9	1256.5	1155.9	1057.9	953.9	850.8	751.3	647.3	558.4
52.5°	1775.4	1700.1	1617.2	1527.0	1417.4	1297.0	1170.6	1052.0	927.8	811.2	694.9
50°	1895.8	1859.3	1819.1	1760.6	1655.5	1543.4	1411.6	1266.8	1123.2	984.2	847.5
47.5°	2161.7	2059.1	1946.3	1878.7	1828.0	1757.7	1630.2	1494.8	1332.8	1166.3	1012.7
45°	2926.5	2569.6	2220.0	2088.2	1947.0	1868.3	1807.3	1689.0	1540.0	1366.0	1180.7
42.5°	5681.1	4054.4	3046.8	2591.6	2197.1	2036.6	1895.6	1827.5	1718.6	1554.5	1366.0
40°	9441.0	7794.5	5886.2	3823.9	2892.8	2342.0	2091.1	1909.3	1834.2	1718.6	1540.0
37.5°	12907.9	11257.7	9328.0	7224.8	4875.7	3076.1	2461.9	2109.3	1909.3	1827.5	1689.0
35°	16091.7	14364.2	12512.3	10371.4	8020.3	5407.5	3137.7	2461.9	2091.1	1895.6	1807.3
32.5°	19326.6	17414.7	15357.6	13239.4	10899.6	8277.6	5407.5	3076.1	2342.0	2036.6	1868.3
30°	22901.9	20569.8	18224.5	15873.0	13483.9	10899.6	8020.3	4875.7	2892.8	2197.1	1947.0
27.5°	27273.2	23914.2	21209.9	18497.2	15873.0	13239.4	10371.4	7224.8	3823.9	2591.6	2088.2
25°	32937.7	28205.5	24362.8	21209.9	18224.5	15357.6	12512.3	9328.0	5886.2	3046.8	2220.0
22.5°	39655.2	33691.6	28205.5	23914.2	20569.8	17414.7	14364.2	11257.7	7794.5	4054.4	2569.6
20°	46149.5	39655.2	32937.7	27273.2	22901.9	19326.6	16091.7	12907.9	9441.0	5681.1	2926.5
17.5°	52206.5	45297.3	38062.6	30708.0	25444.1	21286.3	17704.8	14342.9	10926.3	7145.0	3247.0
15°	57858.9	50428.1	42784.4	34983.2	28007.8	23050.2	19139.6	15616.9	12200.1	8392.2	4311.9
12.5°	63507.9	54970.0	46962.9	38733.1	30529.5	24838.0	20508.1	16760.9	13212.3	9434.7	5334.6
10°	68577.8	59091.5	50493.0	41961.7	33419.7	26559.1	21685.2	17713.5	14053.4	10299.3	6181.4
7.5°	73352.1	62652.3	53322.8	44542.4	35720.0	27924.2	22616.3	18465.3	14715.9	10979.3	6846.5
5°	76899.1	65277.5	55397.1	46425.6	37392.8	28914.2	23290.1	19008.4	15193.7	11469.1	7325.1
2.5°	79087.8	66888.0	56664.2	47572.3	38409.0	29514.4	23697.9	19336.7	15482.3	11764.7	7613.7
0°	79828.1	67431.1	57090.5	47957.5	38749.8	29715.5	23834.5	19446.6	15578.8	11863.5	7710.2
-2.5°	79087.8	66888.0	56664.2	47572.3	38409.0	29514.4	23697.9	19336.7	15482.3	11764.7	7613.7
-5°	76899.1	65277.5	55397.1	46425.6	37392.8	28914.2	23290.1	19008.4	15193.7	11469.1	7325.1
-7.5°	73352.1	62652.3	53322.8	44542.4	35720.0	27924.2	22616.3	18465.3	14715.9	10979.3	6846.5
-10°	68577.8	59091.5	50493.0	41961.7	33419.7	26559.1	21685.2	17713.5	14053.4	10299.3	6181.4
-12.5°	63507.9	54970.0	46962.9	38733.1	30529.5	24838.0	20508.1	16760.9	13212.3	9434.7	5334.6
-15°	57858.9	50428.1	42784.4	34983.2	28007.8	23050.2	19139.6	15616.9	12200.1	8392.2	4311.9
-17.5°	52206.5	45297.3	38062.6	30708.0	25444.1	21286.3	17704.8	14342.9	10926.3	7145.0	3247.0
-20°	46149.5	39655.2	32937.7	27273.2	22901.9	19326.6	16091.7	12907.9	9441.0	5681.1	2926.5



REPORT NUMBER: P731262 (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°	39655.2	33691.6	28205.5	23914.2	20569.8	17414.7	14364.2	11257.7	7794.5	4054.4	2569.6
-25°	32937.7	28205.5	24362.8	21209.9	18224.5	15357.6	12512.3	9328.0	5886.2	3046.8	2220.0
-27.5°	27273.2	23914.2	21209.9	18497.2	15873.0	13239.4	10371.4	7224.8	3823.9	2591.6	2088.2
-30°	22901.9	20569.8	18224.5	15873.0	13483.9	10899.6	8020.3	4875.7	2892.8	2197.1	1947.0
-32.5°	19326.6	17414.7	15357.6	13239.4	10899.6	8277.6	5407.5	3076.1	2342.0	2036.6	1868.3
-35°	16091.7	14364.2	12512.3	10371.4	8020.3	5407.5	3137.7	2461.9	2091.1	1895.6	1807.3
-37.5°	12907.9	11257.7	9328.0	7224.8	4875.7	3076.1	2461.9	2109.3	1909.3	1827.5	1689.0
-40°	9441.0	7794.5	5886.2	3823.9	2892.8	2342.0	2091.1	1909.3	1834.2	1718.6	1540.0
-42.5°	5681.1	4054.4	3046.8	2591.6	2197.1	2036.6	1895.6	1827.5	1718.6	1554.5	1366.0
-45°	2926.5	2569.6	2220.0	2088.2	1947.0	1868.3	1807.3	1689.0	1540.0	1366.0	1180.7
-47.5°	2161.7	2059.1	1946.3	1878.7	1828.0	1757.7	1630.2	1494.8	1332.8	1166.3	1012.7
-50°	1895.8	1859.3	1819.1	1760.6	1655.5	1543.4	1411.6	1266.8	1123.2	984.2	847.5
-52.5°	1775.4	1700.1	1617.2	1527.0	1417.4	1297.0	1170.6	1052.0	927.8	811.2	694.9
-55°	1519.4	1441.3	1352.9	1256.5	1155.9	1057.9	953.9	850.8	751.3	647.3	558.4
-57.5°	1223.0	1153.4	1082.1	1004.2	920.2	838.7	756.0	668.5	589.1	510.4	431.3
-60°	953.9	895.1	838.7	777.4	711.0	640.9	578.8	513.2	444.1	385.8	325.4
-62.5°	716.6	670.6	624.4	578.8	529.5	476.5	424.5	376.6	326.1	274.9	234.4
-65°	515.5	481.6	444.1	410.9	375.2	336.9	296.1	259.9	226.4	191.2	157.1
-67.5°	349.6	325.4	298.6	272.0	248.6	223.5	196.7	168.2	148.5	132.0	114.7
-70°	219.6	203.9	186.6	167.6	153.1	141.5	129.0	115.8	101.8	90.3	79.7
-72.5°	132.6	125.5	117.6	108.9	99.5	91.8	84.3	76.3	68.0	59.2	51.7
-75°	81.1	76.9	72.3	67.2	61.6	55.7	51.3	47.6	43.6	39.5	35.1
-77.5°	46.5	44.6	42.4	40.1	37.6	34.9	31.9	29.4	28.0	26.5	24.9
-80°	27.3	26.7	25.9	25.1	24.2	23.3	22.2	21.2	20.0	19.0	18.1
-82.5°	18.1	17.7	17.3	16.9	16.4	15.9	15.4	14.8	14.2	13.5	12.9
-85°	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.5	9.2	8.8	8.5
-87.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	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: P731262 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-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°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8
85°	8.1	7.7	7.3	6.9	6.4	6.0	5.5	5.1	4.6	4.1	3.6
82.5°	12.2	11.6	10.9	10.3	9.7	9.0	8.3	7.6	6.9	6.1	5.4
80°	17.1	16.2	15.2	14.1	13.0	12.0	11.0	10.1	9.1	8.2	7.2
77.5°	23.2	21.5	19.7	18.3	17.0	15.6	14.2	12.7	11.4	10.2	9.0
75°	30.6	28.1	26.0	23.8	21.5	19.2	17.5	15.8	14.0	12.2	10.7
72.5°	46.4	40.8	35.1	29.6	27.0	24.2	21.4	18.8	16.8	14.7	12.6
70°	68.7	57.3	49.2	42.5	35.5	29.3	26.1	22.8	19.5	17.1	14.7
67.5°	96.8	83.9	70.6	56.9	47.7	39.8	31.6	27.0	23.3	19.5	16.8
65°	137.0	116.3	95.5	80.3	64.6	50.9	41.9	32.7	27.0	22.8	18.8
62.5°	192.3	154.0	130.4	106.1	86.1	68.5	52.0	41.9	31.6	26.1	21.4
60°	267.2	219.6	170.5	138.9	111.8	88.1	68.5	50.9	39.8	29.3	24.2
57.5°	363.2	292.8	236.1	181.4	141.8	111.8	86.1	64.6	47.7	35.5	27.0
55°	466.7	386.0	308.0	241.6	181.4	138.9	106.1	80.3	56.9	42.5	29.6
52.5°	587.5	485.9	393.7	308.0	236.1	170.5	130.4	95.5	70.6	49.2	35.1
50°	718.9	597.2	485.9	386.0	292.8	219.6	154.0	116.3	83.9	57.3	40.8
47.5°	859.6	718.9	587.5	466.7	363.2	267.2	192.3	137.0	96.8	68.7	46.4
45°	1012.7	847.5	694.9	558.4	431.3	325.4	234.4	157.1	114.7	79.7	51.7
42.5°	1166.3	984.2	811.2	647.3	510.4	385.8	274.9	191.2	132.0	90.3	59.2
40°	1332.8	1123.2	927.8	751.3	589.1	444.1	326.1	226.4	148.5	101.8	68.0
37.5°	1494.8	1266.8	1052.0	850.8	668.5	513.2	376.6	259.9	168.2	115.8	76.3
35°	1630.2	1411.6	1170.6	953.9	756.0	578.8	424.5	296.1	196.7	129.0	84.3
32.5°	1757.7	1543.4	1297.0	1057.9	838.7	640.9	476.5	336.9	223.5	141.5	91.8
30°	1828.0	1655.5	1417.4	1155.9	920.2	711.0	529.5	375.2	248.6	153.1	99.5
27.5°	1878.7	1760.6	1527.0	1256.5	1004.2	777.4	578.8	410.9	272.0	167.6	108.9
25°	1946.3	1819.1	1617.2	1352.9	1082.1	838.7	624.4	444.1	298.6	186.6	117.6
22.5°	2059.1	1859.3	1700.1	1441.3	1153.4	895.1	670.6	481.6	325.4	203.9	125.5
20°	2161.7	1895.8	1775.4	1519.4	1223.0	953.9	716.6	515.5	349.6	219.6	132.6
17.5°	2286.9	1953.3	1812.1	1581.0	1288.3	1006.3	757.5	545.6	371.1	233.5	138.9
15°	2547.1	2027.8	1838.5	1635.0	1345.5	1052.0	793.3	571.9	389.9	245.6	144.5
12.5°	2770.0	2091.5	1861.0	1681.2	1394.3	1091.0	823.8	594.3	405.8	255.9	149.2
10°	2954.3	2144.1	1879.6	1719.2	1434.5	1123.2	848.8	612.7	418.9	264.4	153.0
7.5°	3098.9	2185.4	1894.2	1748.9	1465.9	1148.3	868.4	627.0	429.2	271.0	156.0
5°	3202.8	2215.0	1904.6	1770.3	1488.4	1166.3	882.4	637.3	436.5	275.7	158.2
2.5°	3265.5	2232.8	1910.9	1783.1	1502.0	1177.1	890.9	643.5	440.9	278.6	159.5
0°	3286.4	2238.8	1913.0	1787.4	1506.5	1180.7	893.7	645.6	442.4	279.5	159.9
-2.5°	3265.5	2232.8	1910.9	1783.1	1502.0	1177.1	890.9	643.5	440.9	278.6	159.5
-5°	3202.8	2215.0	1904.6	1770.3	1488.4	1166.3	882.4	637.3	436.5	275.7	158.2
-7.5°	3098.9	2185.4	1894.2	1748.9	1465.9	1148.3	868.4	627.0	429.2	271.0	156.0
-10°	2954.3	2144.1	1879.6	1719.2	1434.5	1123.2	848.8	612.7	418.9	264.4	153.0
-12.5°	2770.0	2091.5	1861.0	1681.2	1394.3	1091.0	823.8	594.3	405.8	255.9	149.2
-15°	2547.1	2027.8	1838.5	1635.0	1345.5	1052.0	793.3	571.9	389.9	245.6	144.5
-17.5°	2286.9	1953.3	1812.1	1581.0	1288.3	1006.3	757.5	545.6	371.1	233.5	138.9
-20°	2161.7	1895.8	1775.4	1519.4	1223.0	953.9	716.6	515.5	349.6	219.6	132.6



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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°	2059.1	1859.3	1700.1	1441.3	1153.4	895.1	670.6	481.6	325.4	203.9	125.5
-25°	1946.3	1819.1	1617.2	1352.9	1082.1	838.7	624.4	444.1	298.6	186.6	117.6
-27.5°	1878.7	1760.6	1527.0	1256.5	1004.2	777.4	578.8	410.9	272.0	167.6	108.9
-30°	1828.0	1655.5	1417.4	1155.9	920.2	711.0	529.5	375.2	248.6	153.1	99.5
-32.5°	1757.7	1543.4	1297.0	1057.9	838.7	640.9	476.5	336.9	223.5	141.5	91.8
-35°	1630.2	1411.6	1170.6	953.9	756.0	578.8	424.5	296.1	196.7	129.0	84.3
-37.5°	1494.8	1266.8	1052.0	850.8	668.5	513.2	376.6	259.9	168.2	115.8	76.3
-40°	1332.8	1123.2	927.8	751.3	589.1	444.1	326.1	226.4	148.5	101.8	68.0
-42.5°	1166.3	984.2	811.2	647.3	510.4	385.8	274.9	191.2	132.0	90.3	59.2
-45°	1012.7	847.5	694.9	558.4	431.3	325.4	234.4	157.1	114.7	79.7	51.7
-47.5°	859.6	718.9	587.5	466.7	363.2	267.2	192.3	137.0	96.8	68.7	46.4
-50°	718.9	597.2	485.9	386.0	292.8	219.6	154.0	116.3	83.9	57.3	40.8
-52.5°	587.5	485.9	393.7	308.0	236.1	170.5	130.4	95.5	70.6	49.2	35.1
-55°	466.7	386.0	308.0	241.6	181.4	138.9	106.1	80.3	56.9	42.5	29.6
-57.5°	363.2	292.8	236.1	181.4	141.8	111.8	86.1	64.6	47.7	35.5	27.0
-60°	267.2	219.6	170.5	138.9	111.8	88.1	68.5	50.9	39.8	29.3	24.2
-62.5°	192.3	154.0	130.4	106.1	86.1	68.5	52.0	41.9	31.6	26.1	21.4
-65°	137.0	116.3	95.5	80.3	64.6	50.9	41.9	32.7	27.0	22.8	18.8
-67.5°	96.8	83.9	70.6	56.9	47.7	39.8	31.6	27.0	23.3	19.5	16.8
-70°	68.7	57.3	49.2	42.5	35.5	29.3	26.1	22.8	19.5	17.1	14.7
-72.5°	46.4	40.8	35.1	29.6	27.0	24.2	21.4	18.8	16.8	14.7	12.6
-75°	30.6	28.1	26.0	23.8	21.5	19.2	17.5	15.8	14.0	12.2	10.7
-77.5°	23.2	21.5	19.7	18.3	17.0	15.6	14.2	12.7	11.4	10.2	9.0
-80°	17.1	16.2	15.2	14.1	13.0	12.0	11.0	10.1	9.1	8.2	7.2
-82.5°	12.2	11.6	10.9	10.3	9.7	9.0	8.3	7.6	6.9	6.1	5.4
-85°	8.1	7.7	7.3	6.9	6.4	6.0	5.5	5.1	4.6	4.1	3.6
-87.5°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	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°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
80°	6.2	5.2	4.1	3.1	2.1	1.0	0.0
77.5°	7.7	6.4	5.2	3.9	2.6	1.3	0.0
75°	9.2	7.7	6.2	4.6	3.1	1.6	0.0
72.5°	10.7	9.0	7.2	5.4	3.6	1.8	0.0
70°	12.2	10.2	8.2	6.1	4.1	2.1	0.0
67.5°	14.0	11.4	9.1	6.9	4.6	2.3	0.0
65°	15.8	12.7	10.1	7.6	5.1	2.5	0.0
62.5°	17.5	14.2	11.0	8.3	5.5	2.8	0.0
60°	19.2	15.6	12.0	9.0	6.0	3.0	0.0
57.5°	21.5	17.0	13.0	9.7	6.4	3.2	0.0
55°	23.8	18.3	14.1	10.3	6.9	3.4	0.0
52.5°	26.0	19.7	15.2	10.9	7.3	3.7	0.0
50°	28.1	21.5	16.2	11.6	7.7	3.9	0.0
47.5°	30.6	23.2	17.1	12.2	8.1	4.1	0.0
45°	35.1	24.9	18.1	12.9	8.5	4.2	0.0
42.5°	39.5	26.5	19.0	13.5	8.8	4.4	0.0
40°	43.6	28.0	20.0	14.2	9.2	4.6	0.0
37.5°	47.6	29.4	21.2	14.8	9.5	4.8	0.0
35°	51.3	31.9	22.2	15.4	9.8	4.9	0.0
32.5°	55.7	34.9	23.3	15.9	10.1	5.1	0.0
30°	61.6	37.6	24.2	16.4	10.4	5.2	0.0
27.5°	67.2	40.1	25.1	16.9	10.6	5.3	0.0
25°	72.3	42.4	25.9	17.3	10.9	5.4	0.0
22.5°	76.9	44.6	26.7	17.7	11.1	5.5	0.0
20°	81.1	46.5	27.3	18.1	11.3	5.6	0.0
17.5°	84.8	48.2	27.9	18.4	11.4	5.7	0.0
15°	88.1	49.7	28.5	18.6	11.6	5.8	0.0
12.5°	90.8	50.9	28.9	18.9	11.7	5.9	0.0
10°	93.1	52.0	29.3	19.1	11.8	5.9	0.0
7.5°	94.8	52.8	29.5	19.2	11.9	5.9	0.0
5°	96.1	53.3	29.7	19.3	12.0	6.0	0.0
2.5°	96.8	53.7	29.9	19.4	12.0	6.0	0.0
0°	97.1	53.8	29.9	19.4	12.0	6.0	0.0
-2.5°	96.8	53.7	29.9	19.4	12.0	6.0	0.0
-5°	96.1	53.3	29.7	19.3	12.0	6.0	0.0
-7.5°	94.8	52.8	29.5	19.2	11.9	5.9	0.0
-10°	93.1	52.0	29.3	19.1	11.8	5.9	0.0
-12.5°	90.8	50.9	28.9	18.9	11.7	5.9	0.0
-15°	88.1	49.7	28.5	18.6	11.6	5.8	0.0
-17.5°	84.8	48.2	27.9	18.4	11.4	5.7	0.0
-20°	81.1	46.5	27.3	18.1	11.3	5.6	0.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	76.9	44.6	26.7	17.7	11.1	5.5	0.0
-25°	72.3	42.4	25.9	17.3	10.9	5.4	0.0
-27.5°	67.2	40.1	25.1	16.9	10.6	5.3	0.0
-30°	61.6	37.6	24.2	16.4	10.4	5.2	0.0
-32.5°	55.7	34.9	23.3	15.9	10.1	5.1	0.0
-35°	51.3	31.9	22.2	15.4	9.8	4.9	0.0
-37.5°	47.6	29.4	21.2	14.8	9.5	4.8	0.0
-40°	43.6	28.0	20.0	14.2	9.2	4.6	0.0
-42.5°	39.5	26.5	19.0	13.5	8.8	4.4	0.0
-45°	35.1	24.9	18.1	12.9	8.5	4.2	0.0
-47.5°	30.6	23.2	17.1	12.2	8.1	4.1	0.0
-50°	28.1	21.5	16.2	11.6	7.7	3.9	0.0
-52.5°	26.0	19.7	15.2	10.9	7.3	3.7	0.0
-55°	23.8	18.3	14.1	10.3	6.9	3.4	0.0
-57.5°	21.5	17.0	13.0	9.7	6.4	3.2	0.0
-60°	19.2	15.6	12.0	9.0	6.0	3.0	0.0
-62.5°	17.5	14.2	11.0	8.3	5.5	2.8	0.0
-65°	15.8	12.7	10.1	7.6	5.1	2.5	0.0
-67.5°	14.0	11.4	9.1	6.9	4.6	2.3	0.0
-70°	12.2	10.2	8.2	6.1	4.1	2.1	0.0
-72.5°	10.7	9.0	7.2	5.4	3.6	1.8	0.0
-75°	9.2	7.7	6.2	4.6	3.1	1.6	0.0
-77.5°	7.7	6.4	5.2	3.9	2.6	1.3	0.0
-80°	6.2	5.2	4.1	3.1	2.1	1.0	0.0
-82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
-85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-87.5°	1.6	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

