

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: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-7F-HEG**

Issue Date: 11/16/2023

Test Information

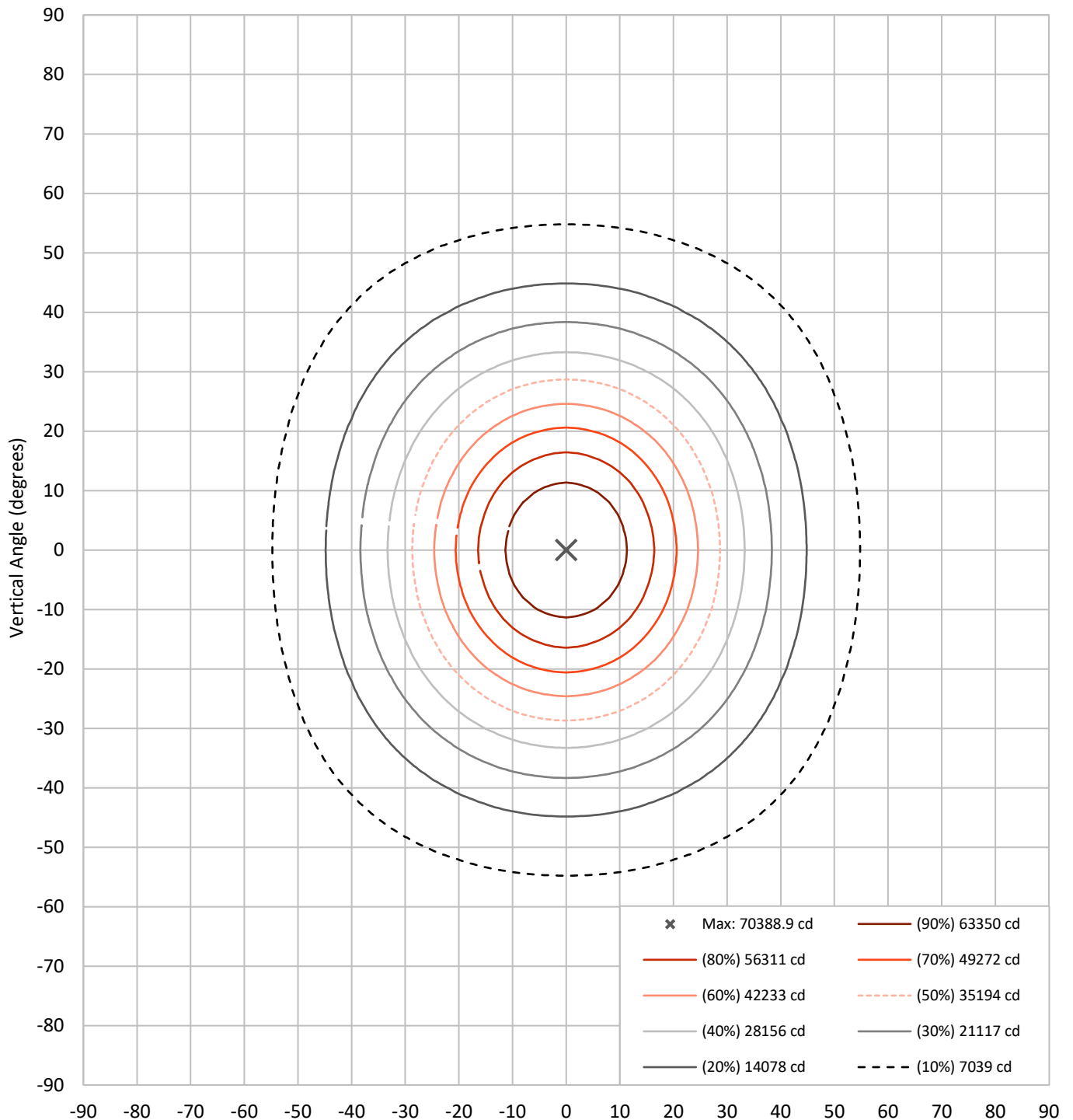
Test Method: LM-79-08
Report Number: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-7F-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	79420.1 lumens	Max Intensity:	70388.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	39114.3 lumens	Field Lumens:	72051.1 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
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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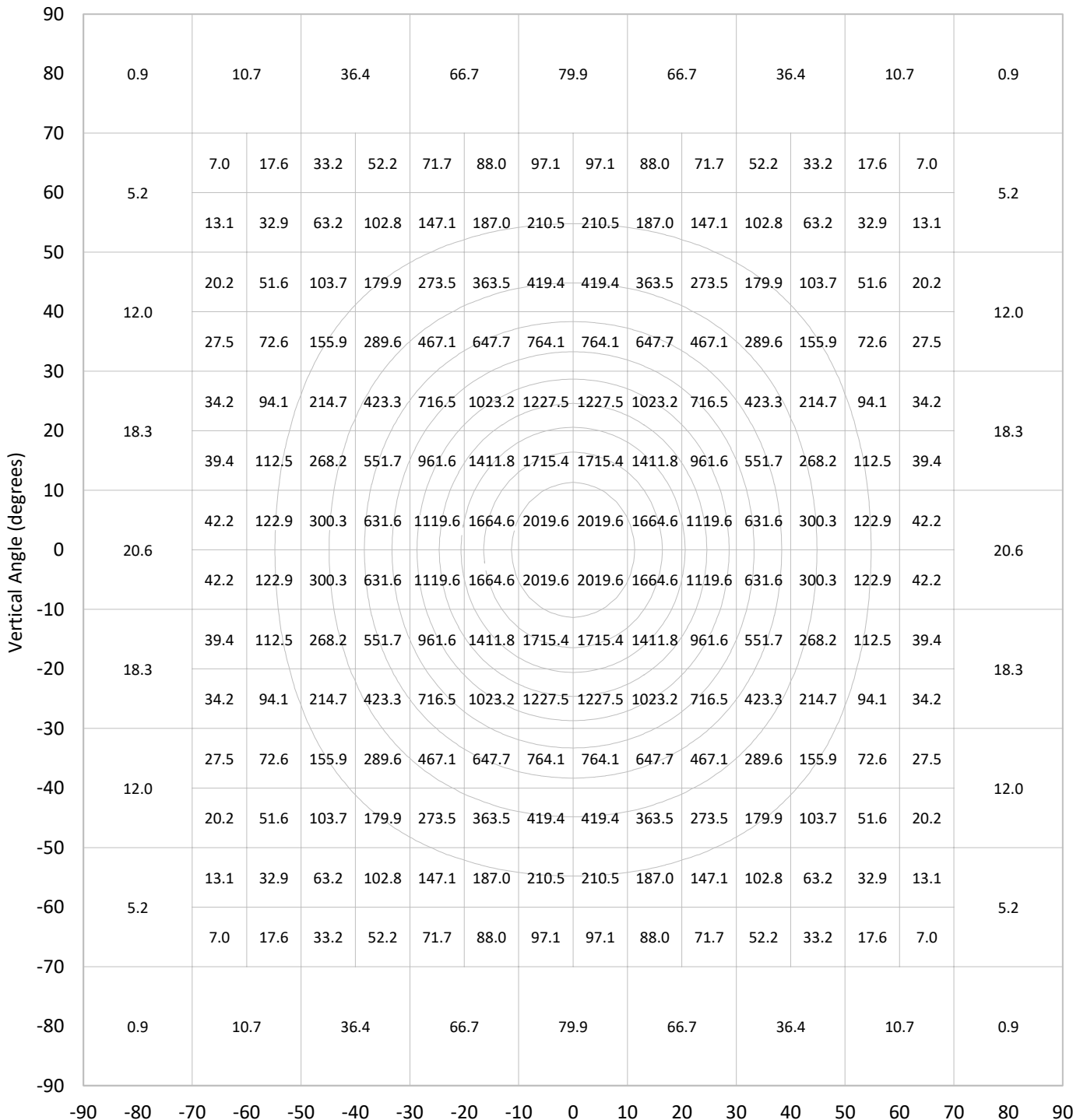
Iso-Candela Plot





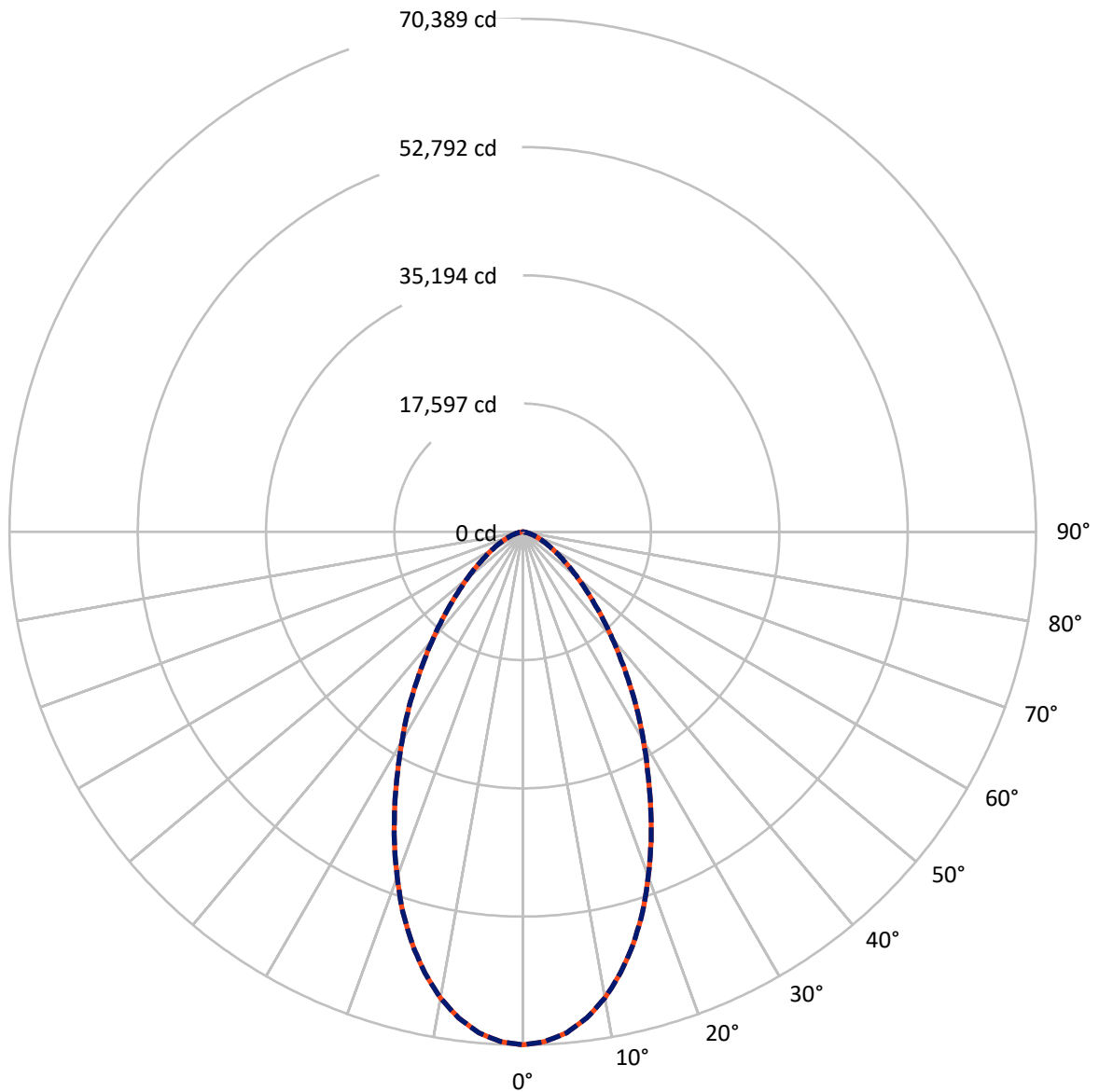
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Lumen Table



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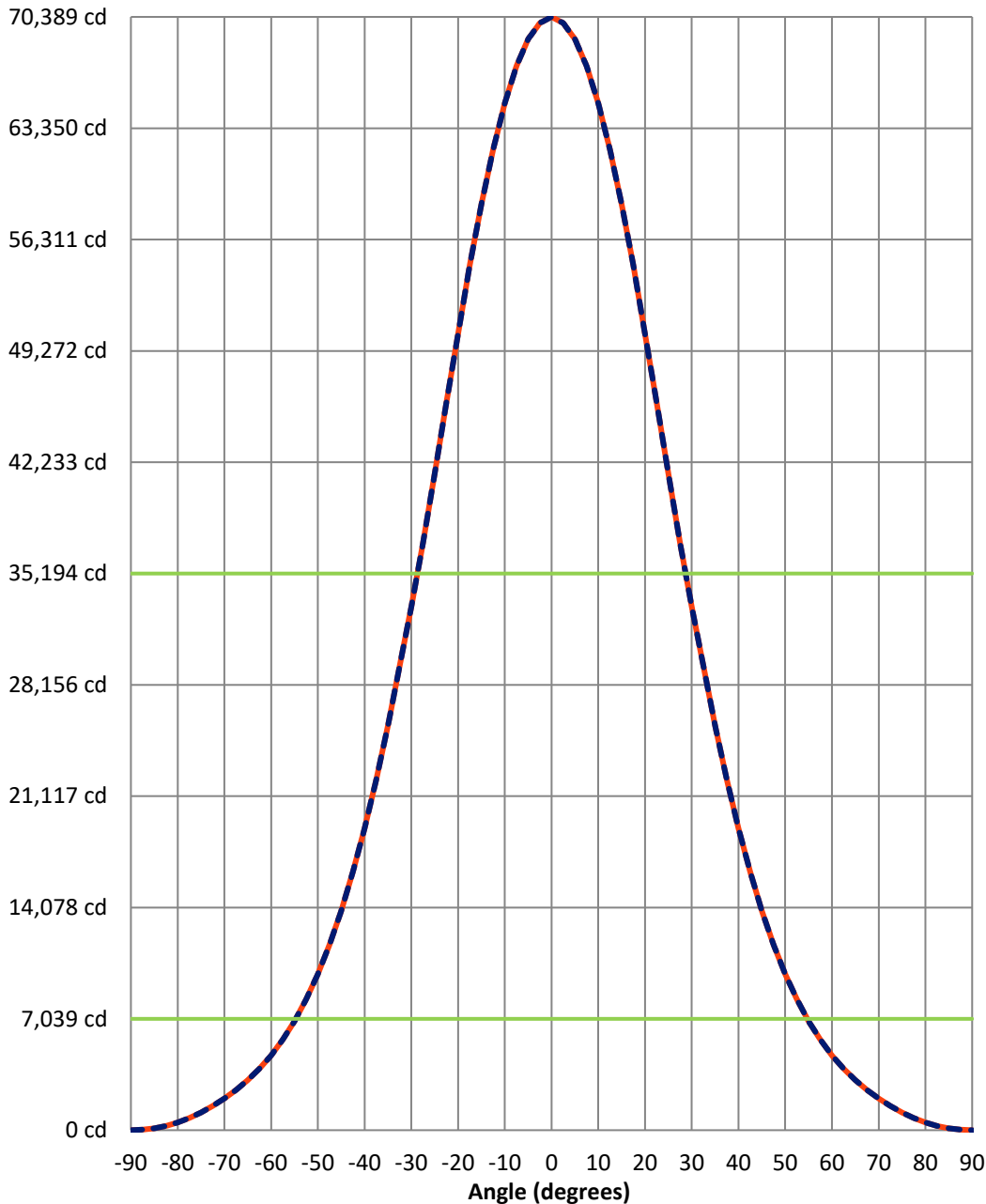
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 57.4°
 V Angle: 57.4°
 Lumens: 39114.3
 Efficiency: 49.2%

Field:
 H Angle: 109.4°
 V Angle: 109.4°
 Lumens: 72051.1
 Efficiency: 90.7%

Spill:
 Lumens: 7369
 Efficiency: 9.3%

- 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	1.6	3.1	4.7	6.2	7.7	9.3	10.8	12.2	13.7	15.1
85°	0.0	3.1	6.2	9.3	12.4	15.5	18.5	21.5	24.5	27.4	30.2
82.5°	0.0	4.7	9.3	14.0	18.6	23.2	27.7	32.2	37.7	47.7	57.4
80°	0.0	6.2	12.4	18.6	24.7	30.8	38.3	51.9	65.3	78.6	91.6
77.5°	0.0	7.7	15.5	23.2	30.8	41.8	59.0	76.0	92.8	109.3	132.2
75°	0.0	9.3	18.5	27.7	38.3	59.0	79.6	99.9	122.1	158.2	193.6
72.5°	0.0	10.8	21.5	32.2	51.9	76.0	99.9	128.6	171.2	213.2	254.5
70°	0.0	12.2	24.5	37.7	65.3	92.8	122.1	171.2	219.7	268.1	337.8
67.5°	0.0	13.7	27.4	47.7	78.6	109.3	158.2	213.2	268.1	347.5	425.6
65°	0.0	15.1	30.2	57.4	91.6	132.2	193.6	254.5	337.8	425.6	519.4
62.5°	0.0	16.5	33.0	67.0	104.3	161.2	228.4	308.7	406.2	506.9	628.8
60°	0.0	17.9	35.8	76.3	116.8	189.6	262.5	367.5	473.2	603.6	736.1
57.5°	0.0	19.2	41.8	85.5	138.5	217.4	309.8	424.8	553.5	698.3	856.8
55°	0.0	20.5	47.7	94.3	160.1	244.3	357.7	480.7	635.6	795.1	982.0
52.5°	0.0	21.8	53.5	103.0	181.0	272.6	404.3	548.8	715.5	904.8	1103.9
50°	0.0	23.0	59.0	111.3	201.3	310.1	449.4	616.5	797.9	1011.3	1243.2
47.5°	0.0	24.2	64.4	120.9	220.9	346.4	494.7	681.9	889.3	1114.3	1380.6
45°	0.0	25.3	69.5	135.0	239.7	381.2	548.5	744.9	977.4	1232.8	1513.1
42.5°	0.0	26.4	74.5	148.5	257.7	414.6	600.2	813.0	1061.9	1347.1	1655.4
40°	0.0	27.4	79.2	161.4	279.0	446.5	649.5	883.5	1148.0	1456.4	1794.3
37.5°	0.0	28.4	83.6	173.6	303.2	476.8	696.4	950.6	1240.2	1564.6	1926.6
35°	0.0	29.3	87.8	185.2	326.0	510.8	740.7	1014.1	1327.5	1677.0	2058.7
32.5°	0.0	30.2	91.8	196.0	347.5	545.4	785.2	1073.8	1409.8	1782.9	2193.3
30°	0.0	31.0	95.5	206.2	367.6	577.8	832.9	1132.4	1486.8	1882.1	2319.5
27.5°	0.0	31.8	98.9	215.6	386.2	607.9	877.2	1194.6	1562.0	1974.4	2437.0
25°	0.0	32.4	102.1	224.2	403.4	635.5	917.9	1251.9	1637.1	2067.1	2546.2
22.5°	0.0	33.1	104.9	232.1	419.0	660.8	955.1	1304.2	1705.6	2155.4	2661.6
20°	0.0	33.6	107.5	239.2	433.0	683.5	988.6	1351.3	1767.4	2235.1	2765.9
17.5°	0.0	34.1	109.8	245.5	445.5	703.6	1018.3	1393.2	1822.3	2306.0	2858.6
15°	0.0	34.6	111.8	251.0	456.4	721.2	1044.2	1429.7	1870.1	2367.8	2939.5
12.5°	0.0	35.0	113.5	255.7	465.6	736.1	1066.2	1460.7	1910.8	2420.3	3008.4
10°	0.0	35.3	114.9	259.5	473.2	748.3	1084.3	1486.2	1944.3	2463.6	3065.1
7.5°	0.0	35.5	116.0	262.5	479.1	757.9	1098.4	1506.0	1970.4	2497.3	3109.4
5°	0.0	35.7	116.8	264.6	483.3	764.7	1108.5	1520.3	1989.1	2521.5	3141.1
2.5°	0.0	35.8	117.2	265.9	485.9	768.8	1114.6	1528.8	2000.3	2536.1	3160.1
0°	0.0	35.8	117.4	266.3	486.7	770.2	1116.6	1531.7	2004.1	2540.9	3166.5
-2.5°	0.0	35.8	117.2	265.9	485.9	768.8	1114.6	1528.8	2000.3	2536.1	3160.1
-5°	0.0	35.7	116.8	264.6	483.3	764.7	1108.5	1520.3	1989.1	2521.5	3141.1
-7.5°	0.0	35.5	116.0	262.5	479.1	757.9	1098.4	1506.0	1970.4	2497.3	3109.4
-10°	0.0	35.3	114.9	259.5	473.2	748.3	1084.3	1486.2	1944.3	2463.6	3065.1
-12.5°	0.0	35.0	113.5	255.7	465.6	736.1	1066.2	1460.7	1910.8	2420.3	3008.4
-15°	0.0	34.6	111.8	251.0	456.4	721.2	1044.2	1429.7	1870.1	2367.8	2939.5
-17.5°	0.0	34.1	109.8	245.5	445.5	703.6	1018.3	1393.2	1822.3	2306.0	2858.6
-20°	0.0	33.6	107.5	239.2	433.0	683.5	988.6	1351.3	1767.4	2235.1	2765.9



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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	33.1	104.9	232.1	419.0	660.8	955.1	1304.2	1705.6	2155.4	2661.6
-25°	0.0	32.4	102.1	224.2	403.4	635.5	917.9	1251.9	1637.1	2067.1	2546.2
-27.5°	0.0	31.8	98.9	215.6	386.2	607.9	877.2	1194.6	1562.0	1974.4	2437.0
-30°	0.0	31.0	95.5	206.2	367.6	577.8	832.9	1132.4	1486.8	1882.1	2319.5
-32.5°	0.0	30.2	91.8	196.0	347.5	545.4	785.2	1073.8	1409.8	1782.9	2193.3
-35°	0.0	29.3	87.8	185.2	326.0	510.8	740.7	1014.1	1327.5	1677.0	2058.7
-37.5°	0.0	28.4	83.6	173.6	303.2	476.8	696.4	950.6	1240.2	1564.6	1926.6
-40°	0.0	27.4	79.2	161.4	279.0	446.5	649.5	883.5	1148.0	1456.4	1794.3
-42.5°	0.0	26.4	74.5	148.5	257.7	414.6	600.2	813.0	1061.9	1347.1	1655.4
-45°	0.0	25.3	69.5	135.0	239.7	381.2	548.5	744.9	977.4	1232.8	1513.1
-47.5°	0.0	24.2	64.4	120.9	220.9	346.4	494.7	681.9	889.3	1114.3	1380.6
-50°	0.0	23.0	59.0	111.3	201.3	310.1	449.4	616.5	797.9	1011.3	1243.2
-52.5°	0.0	21.8	53.5	103.0	181.0	272.6	404.3	548.8	715.5	904.8	1103.9
-55°	0.0	20.5	47.7	94.3	160.1	244.3	357.7	480.7	635.6	795.1	982.0
-57.5°	0.0	19.2	41.8	85.5	138.5	217.4	309.8	424.8	553.5	698.3	856.8
-60°	0.0	17.9	35.8	76.3	116.8	189.6	262.5	367.5	473.2	603.6	736.1
-62.5°	0.0	16.5	33.0	67.0	104.3	161.2	228.4	308.7	406.2	506.9	628.8
-65°	0.0	15.1	30.2	57.4	91.6	132.2	193.6	254.5	337.8	425.6	519.4
-67.5°	0.0	13.7	27.4	47.7	78.6	109.3	158.2	213.2	268.1	347.5	425.6
-70°	0.0	12.2	24.5	37.7	65.3	92.8	122.1	171.2	219.7	268.1	337.8
-72.5°	0.0	10.8	21.5	32.2	51.9	76.0	99.9	128.6	171.2	213.2	254.5
-75°	0.0	9.3	18.5	27.7	38.3	59.0	79.6	99.9	122.1	158.2	193.6
-77.5°	0.0	7.7	15.5	23.2	30.8	41.8	59.0	76.0	92.8	109.3	132.2
-80°	0.0	6.2	12.4	18.6	24.7	30.8	38.3	51.9	65.3	78.6	91.6
-82.5°	0.0	4.7	9.3	14.0	18.6	23.2	27.7	32.2	37.7	47.7	57.4
-85°	0.0	3.1	6.2	9.3	12.4	15.5	18.5	21.5	24.5	27.4	30.2
-87.5°	0.0	1.6	3.1	4.7	6.2	7.7	9.3	10.8	12.2	13.7	15.1
-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°	16.5	17.9	19.2	20.5	21.8	23.0	24.2	25.3	26.4	27.4	28.4
85°	33.0	35.8	41.8	47.7	53.5	59.0	64.4	69.5	74.5	79.2	83.6
82.5°	67.0	76.3	85.5	94.3	103.0	111.3	120.9	135.0	148.5	161.4	173.6
80°	104.3	116.8	138.5	160.1	181.0	201.3	220.9	239.7	257.7	279.0	303.2
77.5°	161.2	189.6	217.4	244.3	272.6	310.1	346.4	381.2	414.6	446.5	476.8
75°	228.4	262.5	309.8	357.7	404.3	449.4	494.7	548.5	600.2	649.5	696.4
72.5°	308.7	367.5	424.8	480.7	548.8	616.5	681.9	744.9	813.0	883.5	950.6
70°	406.2	473.2	553.5	635.6	715.5	797.9	889.3	977.4	1061.9	1148.0	1240.2
67.5°	506.9	603.6	698.3	795.1	904.8	1011.3	1114.3	1232.8	1347.1	1456.4	1564.6
65°	628.8	736.1	856.8	982.0	1103.9	1243.2	1380.6	1513.1	1655.4	1794.3	1926.6
62.5°	748.7	887.8	1028.6	1176.0	1336.7	1492.8	1659.6	1825.9	1985.9	2157.6	2323.9
60°	887.8	1044.2	1213.6	1393.2	1573.4	1767.4	1955.5	2155.4	2354.5	2546.2	2758.8
57.5°	1028.6	1213.6	1412.1	1616.7	1832.5	2048.0	2279.8	2504.2	2750.4	2992.6	3233.3
55°	1176.0	1393.2	1616.7	1854.3	2097.9	2355.1	2615.8	2898.1	3171.4	3474.4	3764.5
52.5°	1336.7	1573.4	1832.5	2097.9	2380.3	2674.9	2987.5	3310.1	3648.9	3988.2	4348.2
50°	1492.8	1767.4	2048.0	2355.1	2674.9	3017.5	3380.0	3754.7	4151.7	4554.3	4988.3
47.5°	1659.6	1955.5	2279.8	2615.8	2987.5	3380.0	3790.1	4234.1	4679.2	5192.8	5695.6
45°	1825.9	2155.4	2504.2	2898.1	3310.1	3754.7	4234.1	4721.1	5295.9	5869.2	6481.3
42.5°	1985.9	2354.5	2750.4	3171.4	3648.9	4151.7	4679.2	5295.9	5929.1	6602.9	7329.4
40°	2157.6	2546.2	2992.6	3474.4	3988.2	4554.3	5192.8	5869.2	6602.9	7404.3	8236.1
37.5°	2323.9	2758.8	3233.3	3764.5	4348.2	4988.3	5695.6	6481.3	7329.4	8236.1	9235.4
35°	2481.8	2960.9	3488.1	4063.8	4691.8	5437.5	6240.1	7106.1	8083.7	9146.3	10264.3
32.5°	2645.8	3151.9	3729.3	4365.3	5081.8	5883.3	6763.5	7781.8	8880.5	10051.1	11357.1
30°	2808.9	3357.0	3966.1	4649.2	5455.5	6343.7	7335.6	8443.2	9663.9	11031.0	12497.0
27.5°	2960.9	3550.4	4209.8	4956.3	5815.9	6775.5	7896.7	9132.4	10495.0	11990.2	13628.9
25°	3101.2	3729.3	4435.3	5255.3	6186.6	7236.8	8439.5	9775.6	11305.0	12983.9	14828.0
22.5°	3239.4	3893.5	4642.0	5529.6	6527.2	7682.2	8990.0	10456.0	12101.2	13913.1	15979.3
20°	3373.4	4063.8	4852.3	5784.7	6836.3	8087.0	9491.2	11090.9	12885.1	14895.4	17110.9
17.5°	3492.7	4215.6	5055.0	6038.0	7159.3	8473.9	9953.0	11661.1	13590.5	15781.5	18169.2
15°	3596.9	4348.2	5232.4	6259.8	7451.4	8837.3	10415.8	12225.3	14269.7	16588.9	19111.0
12.5°	3685.6	4461.3	5383.7	6449.2	7700.9	9148.3	10812.4	12718.1	14891.7	17335.4	20024.7
10°	3758.6	4554.3	5508.3	6605.3	7906.9	9405.2	11140.3	13126.1	15407.5	17955.6	20785.6
7.5°	3815.7	4627.1	5605.8	6727.5	8068.2	9606.5	11397.5	13446.6	15813.2	18444.2	21386.1
5°	3856.6	4679.2	5675.7	6815.2	8184.0	9751.2	11582.5	13677.3	16105.4	18796.6	21819.8
2.5°	3881.2	4710.6	5717.8	6868.0	8253.7	9838.3	11694.0	13816.3	16281.7	19009.4	22082.1
0°	3889.4	4721.1	5731.8	6885.6	8277.0	9867.4	11731.2	13862.8	16340.7	19080.6	22169.8
-2.5°	3881.2	4710.6	5717.8	6868.0	8253.7	9838.3	11694.0	13816.3	16281.7	19009.4	22082.1
-5°	3856.6	4679.2	5675.7	6815.2	8184.0	9751.2	11582.5	13677.3	16105.4	18796.6	21819.8
-7.5°	3815.7	4627.1	5605.8	6727.5	8068.2	9606.5	11397.5	13446.6	15813.2	18444.2	21386.1
-10°	3758.6	4554.3	5508.3	6605.3	7906.9	9405.2	11140.3	13126.1	15407.5	17955.6	20785.6
-12.5°	3685.6	4461.3	5383.7	6449.2	7700.9	9148.3	10812.4	12718.1	14891.7	17335.4	20024.7
-15°	3596.9	4348.2	5232.4	6259.8	7451.4	8837.3	10415.8	12225.3	14269.7	16588.9	19111.0
-17.5°	3492.7	4215.6	5055.0	6038.0	7159.3	8473.9	9953.0	11661.1	13590.5	15781.5	18169.2
-20°	3373.4	4063.8	4852.3	5784.7	6836.3	8087.0	9491.2	11090.9	12885.1	14895.4	17110.9



REPORT NUMBER: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3239.4	3893.5	4642.0	5529.6	6527.2	7682.2	8990.0	10456.0	12101.2	13913.1	15979.3
-25°	3101.2	3729.3	4435.3	5255.3	6186.6	7236.8	8439.5	9775.6	11305.0	12983.9	14828.0
-27.5°	2960.9	3550.4	4209.8	4956.3	5815.9	6775.5	7896.7	9132.4	10495.0	11990.2	13628.9
-30°	2808.9	3357.0	3966.1	4649.2	5455.5	6343.7	7335.6	8443.2	9663.9	11031.0	12497.0
-32.5°	2645.8	3151.9	3729.3	4365.3	5081.8	5883.3	6763.5	7781.8	8880.5	10051.1	11357.1
-35°	2481.8	2960.9	3488.1	4063.8	4691.8	5437.5	6240.1	7106.1	8083.7	9146.3	10264.3
-37.5°	2323.9	2758.8	3233.3	3764.5	4348.2	4988.3	5695.6	6481.3	7329.4	8236.1	9235.4
-40°	2157.6	2546.2	2992.6	3474.4	3988.2	4554.3	5192.8	5869.2	6602.9	7404.3	8236.1
-42.5°	1985.9	2354.5	2750.4	3171.4	3648.9	4151.7	4679.2	5295.9	5929.1	6602.9	7329.4
-45°	1825.9	2155.4	2504.2	2898.1	3310.1	3754.7	4234.1	4721.1	5295.9	5869.2	6481.3
-47.5°	1659.6	1955.5	2279.8	2615.8	2987.5	3380.0	3790.1	4234.1	4679.2	5192.8	5695.6
-50°	1492.8	1767.4	2048.0	2355.1	2674.9	3017.5	3380.0	3754.7	4151.7	4554.3	4988.3
-52.5°	1336.7	1573.4	1832.5	2097.9	2380.3	2674.9	2987.5	3310.1	3648.9	3988.2	4348.2
-55°	1176.0	1393.2	1616.7	1854.3	2097.9	2355.1	2615.8	2898.1	3171.4	3474.4	3764.5
-57.5°	1028.6	1213.6	1412.1	1616.7	1832.5	2048.0	2279.8	2504.2	2750.4	2992.6	3233.3
-60°	887.8	1044.2	1213.6	1393.2	1573.4	1767.4	1955.5	2155.4	2354.5	2546.2	2758.8
-62.5°	748.7	887.8	1028.6	1176.0	1336.7	1492.8	1659.6	1825.9	1985.9	2157.6	2323.9
-65°	628.8	736.1	856.8	982.0	1103.9	1243.2	1380.6	1513.1	1655.4	1794.3	1926.6
-67.5°	506.9	603.6	698.3	795.1	904.8	1011.3	1114.3	1232.8	1347.1	1456.4	1564.6
-70°	406.2	473.2	553.5	635.6	715.5	797.9	889.3	977.4	1061.9	1148.0	1240.2
-72.5°	308.7	367.5	424.8	480.7	548.8	616.5	681.9	744.9	813.0	883.5	950.6
-75°	228.4	262.5	309.8	357.7	404.3	449.4	494.7	548.5	600.2	649.5	696.4
-77.5°	161.2	189.6	217.4	244.3	272.6	310.1	346.4	381.2	414.6	446.5	476.8
-80°	104.3	116.8	138.5	160.1	181.0	201.3	220.9	239.7	257.7	279.0	303.2
-82.5°	67.0	76.3	85.5	94.3	103.0	111.3	120.9	135.0	148.5	161.4	173.6
-85°	33.0	35.8	41.8	47.7	53.5	59.0	64.4	69.5	74.5	79.2	83.6
-87.5°	16.5	17.9	19.2	20.5	21.8	23.0	24.2	25.3	26.4	27.4	28.4
-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: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-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°	29.3	30.2	31.0	31.8	32.4	33.1	33.6	34.1	34.6	35.0	35.3
85°	87.8	91.8	95.5	98.9	102.1	104.9	107.5	109.8	111.8	113.5	114.9
82.5°	185.2	196.0	206.2	215.6	224.2	232.1	239.2	245.5	251.0	255.7	259.5
80°	326.0	347.5	367.6	386.2	403.4	419.0	433.0	445.5	456.4	465.6	473.2
77.5°	510.8	545.4	577.8	607.9	635.5	660.8	683.5	703.6	721.2	736.1	748.3
75°	740.7	785.2	832.9	877.2	917.9	955.1	988.6	1018.3	1044.2	1066.2	1084.3
72.5°	1014.1	1073.8	1132.4	1194.6	1251.9	1304.2	1351.3	1393.2	1429.7	1460.7	1486.2
70°	1327.5	1409.8	1486.8	1562.0	1637.1	1705.6	1767.4	1822.3	1870.1	1910.8	1944.3
67.5°	1677.0	1782.9	1882.1	1974.4	2067.1	2155.4	2235.1	2306.0	2367.8	2420.3	2463.6
65°	2058.7	2193.3	2319.5	2437.0	2546.2	2661.6	2765.9	2858.6	2939.5	3008.4	3065.1
62.5°	2481.8	2645.8	2808.9	2960.9	3101.2	3239.4	3373.4	3492.7	3596.9	3685.6	3758.6
60°	2960.9	3151.9	3357.0	3550.4	3729.3	3893.5	4063.8	4215.6	4348.2	4461.3	4554.3
57.5°	3488.1	3729.3	3966.1	4209.8	4435.3	4642.0	4852.3	5055.0	5232.4	5383.7	5508.3
55°	4063.8	4365.3	4649.2	4956.3	5255.3	5529.6	5784.7	6038.0	6259.8	6449.2	6605.3
52.5°	4691.8	5081.8	5455.5	5815.9	6186.6	6527.2	6836.3	7159.3	7451.4	7700.9	7906.9
50°	5437.5	5883.3	6343.7	6775.5	7236.8	7682.2	8087.0	8473.9	8837.3	9148.3	9405.2
47.5°	6240.1	6763.5	7335.6	7896.7	8439.5	8990.0	9491.2	9953.0	10415.8	10812.4	11140.3
45°	7106.1	7781.8	8443.2	9132.4	9775.6	10456.0	11090.9	11661.1	12225.3	12718.1	13126.1
42.5°	8083.7	8880.5	9663.9	10495.0	11305.0	12101.2	12885.1	13590.5	14269.7	14891.7	15407.5
40°	9146.3	10051.1	11031.0	11990.2	12983.9	13913.1	14895.4	15781.5	16588.9	17335.4	17955.6
37.5°	10264.3	11357.1	12497.0	13628.9	14828.0	15979.3	17110.9	18169.2	19111.0	20024.7	20785.6
35°	11466.6	12753.2	14047.8	15450.5	16819.2	18184.9	19490.3	20778.6	21924.6	22994.3	23908.7
32.5°	12753.2	14201.3	15765.6	17355.4	18917.5	20546.9	22074.0	23598.8	24968.9	26220.6	27322.4
30°	14047.8	15765.6	17535.7	19315.6	21193.7	23042.3	24853.8	26608.6	28249.9	29680.9	30880.3
27.5°	15450.5	17355.4	19315.6	21411.6	23539.5	25629.2	27779.6	29755.0	31529.2	33085.4	34500.5
25°	16819.2	18917.5	21193.7	23539.5	25916.4	28376.4	30680.3	32807.1	34861.1	36693.1	38345.6
22.5°	18184.9	20546.9	23042.3	25629.2	28376.4	30993.2	33489.3	35962.8	38314.5	40493.6	42378.0
20°	19490.3	22074.0	24853.8	27779.6	30680.3	33489.3	36336.4	39167.7	41844.0	44291.7	46393.4
17.5°	20778.6	23598.8	26608.6	29755.0	32807.1	35962.8	39167.7	42311.8	45283.8	47917.4	50199.8
15°	21924.6	24968.9	28249.9	31529.2	34861.1	38314.5	41844.0	45283.8	48440.2	51321.6	53880.3
12.5°	22994.3	26220.6	29680.9	33085.4	36693.1	40493.6	44291.7	47917.4	51321.6	54501.7	57066.8
10°	23908.7	27322.4	30880.3	34500.5	38345.6	42378.0	46393.4	50199.8	53880.3	57066.8	59863.9
7.5°	24632.0	28196.3	31835.0	35631.9	39703.3	43921.0	48066.0	52088.1	55872.8	59213.7	62020.3
5°	25155.3	28830.1	32529.2	36457.5	40698.5	45058.4	49308.6	53506.1	57320.9	60763.0	63633.2
2.5°	25472.1	29214.3	32950.9	36960.2	41306.5	45756.3	50075.4	54388.3	58232.6	61686.8	64598.2
0°	25578.2	29343.1	33092.3	37129.1	41511.0	45991.6	50334.8	54688.0	58544.5	61991.6	64930.5
-2.5°	25472.1	29214.3	32950.9	36960.2	41306.5	45756.3	50075.4	54388.3	58232.6	61686.8	64598.2
-5°	25155.3	28830.1	32529.2	36457.5	40698.5	45058.4	49308.6	53506.1	57320.9	60763.0	63633.2
-7.5°	24632.0	28196.3	31835.0	35631.9	39703.3	43921.0	48066.0	52088.1	55872.8	59213.7	62020.3
-10°	23908.7	27322.4	30880.3	34500.5	38345.6	42378.0	46393.4	50199.8	53880.3	57066.8	59863.9
-12.5°	22994.3	26220.6	29680.9	33085.4	36693.1	40493.6	44291.7	47917.4	51321.6	54501.7	57066.8
-15°	21924.6	24968.9	28249.9	31529.2	34861.1	38314.5	41844.0	45283.8	48440.2	51321.6	53880.3
-17.5°	20778.6	23598.8	26608.6	29755.0	32807.1	35962.8	39167.7	42311.8	45283.8	47917.4	50199.8
-20°	19490.3	22074.0	24853.8	27779.6	30680.3	33489.3	36336.4	39167.7	41844.0	44291.7	46393.4



REPORT NUMBER: P731269 (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°	18184.9	20546.9	23042.3	25629.2	28376.4	30993.2	33489.3	35962.8	38314.5	40493.6	42378.0
-25°	16819.2	18917.5	21193.7	23539.5	25916.4	28376.4	30680.3	32807.1	34861.1	36693.1	38345.6
-27.5°	15450.5	17355.4	19315.6	21411.6	23539.5	25629.2	27779.6	29755.0	31529.2	33085.4	34500.5
-30°	14047.8	15765.6	17535.7	19315.6	21193.7	23042.3	24853.8	26608.6	28249.9	29680.9	30880.3
-32.5°	12753.2	14201.3	15765.6	17355.4	18917.5	20546.9	22074.0	23598.8	24968.9	26220.6	27322.4
-35°	11466.6	12753.2	14047.8	15450.5	16819.2	18184.9	19490.3	20778.6	21924.6	22994.3	23908.7
-37.5°	10264.3	11357.1	12497.0	13628.9	14828.0	15979.3	17110.9	18169.2	19111.0	20024.7	20785.6
-40°	9146.3	10051.1	11031.0	11990.2	12983.9	13913.1	14895.4	15781.5	16588.9	17335.4	17955.6
-42.5°	8083.7	8880.5	9663.9	10495.0	11305.0	12101.2	12885.1	13590.5	14269.7	14891.7	15407.5
-45°	7106.1	7781.8	8443.2	9132.4	9775.6	10456.0	11090.9	11661.1	12225.3	12718.1	13126.1
-47.5°	6240.1	6763.5	7335.6	7896.7	8439.5	8990.0	9491.2	9953.0	10415.8	10812.4	11140.3
-50°	5437.5	5883.3	6343.7	6775.5	7236.8	7682.2	8087.0	8473.9	8837.3	9148.3	9405.2
-52.5°	4691.8	5081.8	5455.5	5815.9	6186.6	6527.2	6836.3	7159.3	7451.4	7700.9	7906.9
-55°	4063.8	4365.3	4649.2	4956.3	5255.3	5529.6	5784.7	6038.0	6259.8	6449.2	6605.3
-57.5°	3488.1	3729.3	3966.1	4209.8	4435.3	4642.0	4852.3	5055.0	5232.4	5383.7	5508.3
-60°	2960.9	3151.9	3357.0	3550.4	3729.3	3893.5	4063.8	4215.6	4348.2	4461.3	4554.3
-62.5°	2481.8	2645.8	2808.9	2960.9	3101.2	3239.4	3373.4	3492.7	3596.9	3685.6	3758.6
-65°	2058.7	2193.3	2319.5	2437.0	2546.2	2661.6	2765.9	2858.6	2939.5	3008.4	3065.1
-67.5°	1677.0	1782.9	1882.1	1974.4	2067.1	2155.4	2235.1	2306.0	2367.8	2420.3	2463.6
-70°	1327.5	1409.8	1486.8	1562.0	1637.1	1705.6	1767.4	1822.3	1870.1	1910.8	1944.3
-72.5°	1014.1	1073.8	1132.4	1194.6	1251.9	1304.2	1351.3	1393.2	1429.7	1460.7	1486.2
-75°	740.7	785.2	832.9	877.2	917.9	955.1	988.6	1018.3	1044.2	1066.2	1084.3
-77.5°	510.8	545.4	577.8	607.9	635.5	660.8	683.5	703.6	721.2	736.1	748.3
-80°	326.0	347.5	367.6	386.2	403.4	419.0	433.0	445.5	456.4	465.6	473.2
-82.5°	185.2	196.0	206.2	215.6	224.2	232.1	239.2	245.5	251.0	255.7	259.5
-85°	87.8	91.8	95.5	98.9	102.1	104.9	107.5	109.8	111.8	113.5	114.9
-87.5°	29.3	30.2	31.0	31.8	32.4	33.1	33.6	34.1	34.6	35.0	35.3
-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: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-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°	35.5	35.7	35.8	35.8	35.8	35.7	35.5	35.3	35.0	34.6	34.1
85°	116.0	116.8	117.2	117.4	117.2	116.8	116.0	114.9	113.5	111.8	109.8
82.5°	262.5	264.6	265.9	266.3	265.9	264.6	262.5	259.5	255.7	251.0	245.5
80°	479.1	483.3	485.9	486.7	485.9	483.3	479.1	473.2	465.6	456.4	445.5
77.5°	757.9	764.7	768.8	770.2	768.8	764.7	757.9	748.3	736.1	721.2	703.6
75°	1098.4	1108.5	1114.6	1116.6	1114.6	1108.5	1098.4	1084.3	1066.2	1044.2	1018.3
72.5°	1506.0	1520.3	1528.8	1531.7	1528.8	1520.3	1506.0	1486.2	1460.7	1429.7	1393.2
70°	1970.4	1989.1	2000.3	2004.1	2000.3	1989.1	1970.4	1944.3	1910.8	1870.1	1822.3
67.5°	2497.3	2521.5	2536.1	2540.9	2536.1	2521.5	2497.3	2463.6	2420.3	2367.8	2306.0
65°	3109.4	3141.1	3160.1	3166.5	3160.1	3141.1	3109.4	3065.1	3008.4	2939.5	2858.6
62.5°	3815.7	3856.6	3881.2	3889.4	3881.2	3856.6	3815.7	3758.6	3685.6	3596.9	3492.7
60°	4627.1	4679.2	4710.6	4721.1	4710.6	4679.2	4627.1	4554.3	4461.3	4348.2	4215.6
57.5°	5605.8	5675.7	5717.8	5731.8	5717.8	5675.7	5605.8	5508.3	5383.7	5232.4	5055.0
55°	6727.5	6815.2	6868.0	6885.6	6868.0	6815.2	6727.5	6605.3	6449.2	6259.8	6038.0
52.5°	8068.2	8184.0	8253.7	8277.0	8253.7	8184.0	8068.2	7906.9	7700.9	7451.4	7159.3
50°	9606.5	9751.2	9838.3	9867.4	9838.3	9751.2	9606.5	9405.2	9148.3	8837.3	8473.9
47.5°	11397.5	11582.5	11694.0	11731.2	11694.0	11582.5	11397.5	11140.3	10812.4	10415.8	9953.0
45°	13446.6	13677.3	13816.3	13862.8	13816.3	13677.3	13446.6	13126.1	12718.1	12225.3	11661.1
42.5°	15813.2	16105.4	16281.7	16340.7	16281.7	16105.4	15813.2	15407.5	14891.7	14269.7	13590.5
40°	18444.2	18796.6	19009.4	19080.6	19009.4	18796.6	18444.2	17955.6	17335.4	16588.9	15781.5
37.5°	21386.1	21819.8	22082.1	22169.8	22082.1	21819.8	21386.1	20785.6	20024.7	19111.0	18169.2
35°	24632.0	25155.3	25472.1	25578.2	25472.1	25155.3	24632.0	23908.7	22994.3	21924.6	20778.6
32.5°	28196.3	28830.1	29214.3	29343.1	29214.3	28830.1	28196.3	27322.4	26220.6	24968.9	23598.8
30°	31835.0	32529.2	32950.9	33092.3	32950.9	32529.2	31835.0	30880.3	29680.9	28249.9	26608.6
27.5°	35631.9	36457.5	36960.2	37129.1	36960.2	36457.5	35631.9	34500.5	33085.4	31529.2	29755.0
25°	39703.3	40698.5	41306.5	41511.0	41306.5	40698.5	39703.3	38345.6	36693.1	34861.1	32807.1
22.5°	43921.0	45058.4	45756.3	45991.6	45756.3	45058.4	43921.0	42378.0	40493.6	38314.5	35962.8
20°	48066.0	49308.6	50075.4	50334.8	50075.4	49308.6	48066.0	46393.4	44291.7	41844.0	39167.7
17.5°	52088.1	53506.1	54388.3	54688.0	54388.3	53506.1	52088.1	50199.8	47917.4	45283.8	42311.8
15°	55872.8	57320.9	58232.6	58544.5	58232.6	57320.9	55872.8	53880.3	51321.6	48440.2	45283.8
12.5°	59213.7	60763.0	61686.8	61991.6	61686.8	60763.0	59213.7	57066.8	54501.7	51321.6	47917.4
10°	62020.3	63633.2	64598.2	64930.5	64598.2	63633.2	62020.3	59863.9	57066.8	53880.3	50199.8
7.5°	64285.4	65928.0	66948.9	67277.5	66948.9	65928.0	64285.4	62020.3	59213.7	55872.8	52088.1
5°	65928.0	67630.5	68618.8	68984.5	68618.8	67630.5	65928.0	63633.2	60763.0	57320.9	53506.1
2.5°	66948.9	68618.8	69647.9	69997.4	69647.9	68618.8	66948.9	64598.2	61686.8	58232.6	54388.3
0°	67277.5	68984.5	69997.4	70388.9	69997.4	68984.5	67277.5	64930.5	61991.6	58544.5	54688.0
-2.5°	66948.9	68618.8	69647.9	69997.4	69647.9	68618.8	66948.9	64598.2	61686.8	58232.6	54388.3
-5°	65928.0	67630.5	68618.8	68984.5	68618.8	67630.5	65928.0	63633.2	60763.0	57320.9	53506.1
-7.5°	64285.4	65928.0	66948.9	67277.5	66948.9	65928.0	64285.4	62020.3	59213.7	55872.8	52088.1
-10°	62020.3	63633.2	64598.2	64930.5	64598.2	63633.2	62020.3	59863.9	57066.8	53880.3	50199.8
-12.5°	59213.7	60763.0	61686.8	61991.6	61686.8	60763.0	59213.7	57066.8	54501.7	51321.6	47917.4
-15°	55872.8	57320.9	58232.6	58544.5	58232.6	57320.9	55872.8	53880.3	51321.6	48440.2	45283.8
-17.5°	52088.1	53506.1	54388.3	54688.0	54388.3	53506.1	52088.1	50199.8	47917.4	45283.8	42311.8
-20°	48066.0	49308.6	50075.4	50334.8	50075.4	49308.6	48066.0	46393.4	44291.7	41844.0	39167.7



REPORT NUMBER: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	43921.0	45058.4	45756.3	45991.6	45756.3	45058.4	43921.0	42378.0	40493.6	38314.5	35962.8
-25°	39703.3	40698.5	41306.5	41511.0	41306.5	40698.5	39703.3	38345.6	36693.1	34861.1	32807.1
-27.5°	35631.9	36457.5	36960.2	37129.1	36960.2	36457.5	35631.9	34500.5	33085.4	31529.2	29755.0
-30°	31835.0	32529.2	32950.9	33092.3	32950.9	32529.2	31835.0	30880.3	29680.9	28249.9	26608.6
-32.5°	28196.3	28830.1	29214.3	29343.1	29214.3	28830.1	28196.3	27322.4	26220.6	24968.9	23598.8
-35°	24632.0	25155.3	25472.1	25578.2	25472.1	25155.3	24632.0	23908.7	22994.3	21924.6	20778.6
-37.5°	21386.1	21819.8	22082.1	22169.8	22082.1	21819.8	21386.1	20785.6	20024.7	19111.0	18169.2
-40°	18444.2	18796.6	19009.4	19080.6	19009.4	18796.6	18444.2	17955.6	17335.4	16588.9	15781.5
-42.5°	15813.2	16105.4	16281.7	16340.7	16281.7	16105.4	15813.2	15407.5	14891.7	14269.7	13590.5
-45°	13446.6	13677.3	13816.3	13862.8	13816.3	13677.3	13446.6	13126.1	12718.1	12225.3	11661.1
-47.5°	11397.5	11582.5	11694.0	11731.2	11694.0	11582.5	11397.5	11140.3	10812.4	10415.8	9953.0
-50°	9606.5	9751.2	9838.3	9867.4	9838.3	9751.2	9606.5	9405.2	9148.3	8837.3	8473.9
-52.5°	8068.2	8184.0	8253.7	8277.0	8253.7	8184.0	8068.2	7906.9	7700.9	7451.4	7159.3
-55°	6727.5	6815.2	6868.0	6885.6	6868.0	6815.2	6727.5	6605.3	6449.2	6259.8	6038.0
-57.5°	5605.8	5675.7	5717.8	5731.8	5717.8	5675.7	5605.8	5508.3	5383.7	5232.4	5055.0
-60°	4627.1	4679.2	4710.6	4721.1	4710.6	4679.2	4627.1	4554.3	4461.3	4348.2	4215.6
-62.5°	3815.7	3856.6	3881.2	3889.4	3881.2	3856.6	3815.7	3758.6	3685.6	3596.9	3492.7
-65°	3109.4	3141.1	3160.1	3166.5	3160.1	3141.1	3109.4	3065.1	3008.4	2939.5	2858.6
-67.5°	2497.3	2521.5	2536.1	2540.9	2536.1	2521.5	2497.3	2463.6	2420.3	2367.8	2306.0
-70°	1970.4	1989.1	2000.3	2004.1	2000.3	1989.1	1970.4	1944.3	1910.8	1870.1	1822.3
-72.5°	1506.0	1520.3	1528.8	1531.7	1528.8	1520.3	1506.0	1486.2	1460.7	1429.7	1393.2
-75°	1098.4	1108.5	1114.6	1116.6	1114.6	1108.5	1098.4	1084.3	1066.2	1044.2	1018.3
-77.5°	757.9	764.7	768.8	770.2	768.8	764.7	757.9	748.3	736.1	721.2	703.6
-80°	479.1	483.3	485.9	486.7	485.9	483.3	479.1	473.2	465.6	456.4	445.5
-82.5°	262.5	264.6	265.9	266.3	265.9	264.6	262.5	259.5	255.7	251.0	245.5
-85°	116.0	116.8	117.2	117.4	117.2	116.8	116.0	114.9	113.5	111.8	109.8
-87.5°	35.5	35.7	35.8	35.8	35.8	35.7	35.5	35.3	35.0	34.6	34.1
-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: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-HEG

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°	33.6	33.1	32.4	31.8	31.0	30.2	29.3	28.4	27.4	26.4	25.3
85°	107.5	104.9	102.1	98.9	95.5	91.8	87.8	83.6	79.2	74.5	69.5
82.5°	239.2	232.1	224.2	215.6	206.2	196.0	185.2	173.6	161.4	148.5	135.0
80°	433.0	419.0	403.4	386.2	367.6	347.5	326.0	303.2	279.0	257.7	239.7
77.5°	683.5	660.8	635.5	607.9	577.8	545.4	510.8	476.8	446.5	414.6	381.2
75°	988.6	955.1	917.9	877.2	832.9	785.2	740.7	696.4	649.5	600.2	548.5
72.5°	1351.3	1304.2	1251.9	1194.6	1132.4	1073.8	1014.1	950.6	883.5	813.0	744.9
70°	1767.4	1705.6	1637.1	1562.0	1486.8	1409.8	1327.5	1240.2	1148.0	1061.9	977.4
67.5°	2235.1	2155.4	2067.1	1974.4	1882.1	1782.9	1677.0	1564.6	1456.4	1347.1	1232.8
65°	2765.9	2661.6	2546.2	2437.0	2319.5	2193.3	2058.7	1926.6	1794.3	1655.4	1513.1
62.5°	3373.4	3239.4	3101.2	2960.9	2808.9	2645.8	2481.8	2323.9	2157.6	1985.9	1825.9
60°	4063.8	3893.5	3729.3	3550.4	3357.0	3151.9	2960.9	2758.8	2546.2	2354.5	2155.4
57.5°	4852.3	4642.0	4435.3	4209.8	3966.1	3729.3	3488.1	3233.3	2992.6	2750.4	2504.2
55°	5784.7	5529.6	5255.3	4956.3	4649.2	4365.3	4063.8	3764.5	3474.4	3171.4	2898.1
52.5°	6836.3	6527.2	6186.6	5815.9	5455.5	5081.8	4691.8	4348.2	3988.2	3648.9	3310.1
50°	8087.0	7682.2	7236.8	6775.5	6343.7	5883.3	5437.5	4988.3	4554.3	4151.7	3754.7
47.5°	9491.2	8990.0	8439.5	7896.7	7335.6	6763.5	6240.1	5695.6	5192.8	4679.2	4234.1
45°	11090.9	10456.0	9775.6	9132.4	8443.2	7781.8	7106.1	6481.3	5869.2	5295.9	4721.1
42.5°	12885.1	12101.2	11305.0	10495.0	9663.9	8880.5	8083.7	7329.4	6602.9	5929.1	5295.9
40°	14895.4	13913.1	12983.9	11990.2	11031.0	10051.1	9146.3	8236.1	7404.3	6602.9	5869.2
37.5°	17110.9	15979.3	14828.0	13628.9	12497.0	11357.1	10264.3	9235.4	8236.1	7329.4	6481.3
35°	19490.3	18184.9	16819.2	15450.5	14047.8	12753.2	11466.6	10264.3	9146.3	8083.7	7106.1
32.5°	22074.0	20546.9	18917.5	17355.4	15765.6	14201.3	12753.2	11357.1	10051.1	8880.5	7781.8
30°	24853.8	23042.3	21193.7	19315.6	17535.7	15765.6	14047.8	12497.0	11031.0	9663.9	8443.2
27.5°	27779.6	25629.2	23539.5	21411.6	19315.6	17355.4	15450.5	13628.9	11990.2	10495.0	9132.4
25°	30680.3	28376.4	25916.4	23539.5	21193.7	18917.5	16819.2	14828.0	12983.9	11305.0	9775.6
22.5°	33489.3	30993.2	28376.4	25629.2	23042.3	20546.9	18184.9	15979.3	13913.1	12101.2	10456.0
20°	36336.4	33489.3	30680.3	27779.6	24853.8	22074.0	19490.3	17110.9	14895.4	12885.1	11090.9
17.5°	39167.7	35962.8	32807.1	29755.0	26608.6	23598.8	20778.6	18169.2	15781.5	13590.5	11661.1
15°	41844.0	38314.5	34861.1	31529.2	28249.9	24968.9	21924.6	19111.0	16588.9	14269.7	12225.3
12.5°	44291.7	40493.6	36693.1	33085.4	29680.9	26220.6	22994.3	20024.7	17335.4	14891.7	12718.1
10°	46393.4	42378.0	38345.6	34500.5	30880.3	27322.4	23908.7	20785.6	17955.6	15407.5	13126.1
7.5°	48066.0	43921.0	39703.3	35631.9	31835.0	28196.3	24632.0	21386.1	18444.2	15813.2	13446.6
5°	49308.6	45058.4	40698.5	36457.5	32529.2	28830.1	25155.3	21819.8	18796.6	16105.4	13677.3
2.5°	50075.4	45756.3	41306.5	36960.2	32950.9	29214.3	25472.1	22082.1	19009.4	16281.7	13816.3
0°	50334.8	45991.6	41511.0	37129.1	33092.3	29343.1	25578.2	22169.8	19080.6	16340.7	13862.8
-2.5°	50075.4	45756.3	41306.5	36960.2	32950.9	29214.3	25472.1	22082.1	19009.4	16281.7	13816.3
-5°	49308.6	45058.4	40698.5	36457.5	32529.2	28830.1	25155.3	21819.8	18796.6	16105.4	13677.3
-7.5°	48066.0	43921.0	39703.3	35631.9	31835.0	28196.3	24632.0	21386.1	18444.2	15813.2	13446.6
-10°	46393.4	42378.0	38345.6	34500.5	30880.3	27322.4	23908.7	20785.6	17955.6	15407.5	13126.1
-12.5°	44291.7	40493.6	36693.1	33085.4	29680.9	26220.6	22994.3	20024.7	17335.4	14891.7	12718.1
-15°	41844.0	38314.5	34861.1	31529.2	28249.9	24968.9	21924.6	19111.0	16588.9	14269.7	12225.3
-17.5°	39167.7	35962.8	32807.1	29755.0	26608.6	23598.8	20778.6	18169.2	15781.5	13590.5	11661.1
-20°	36336.4	33489.3	30680.3	27779.6	24853.8	22074.0	19490.3	17110.9	14895.4	12885.1	11090.9



REPORT NUMBER: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	33489.3	30993.2	28376.4	25629.2	23042.3	20546.9	18184.9	15979.3	13913.1	12101.2	10456.0
-25°	30680.3	28376.4	25916.4	23539.5	21193.7	18917.5	16819.2	14828.0	12983.9	11305.0	9775.6
-27.5°	27779.6	25629.2	23539.5	21411.6	19315.6	17355.4	15450.5	13628.9	11990.2	10495.0	9132.4
-30°	24853.8	23042.3	21193.7	19315.6	17535.7	15765.6	14047.8	12497.0	11031.0	9663.9	8443.2
-32.5°	22074.0	20546.9	18917.5	17355.4	15765.6	14201.3	12753.2	11357.1	10051.1	8880.5	7781.8
-35°	19490.3	18184.9	16819.2	15450.5	14047.8	12753.2	11466.6	10264.3	9146.3	8083.7	7106.1
-37.5°	17110.9	15979.3	14828.0	13628.9	12497.0	11357.1	10264.3	9235.4	8236.1	7329.4	6481.3
-40°	14895.4	13913.1	12983.9	11990.2	11031.0	10051.1	9146.3	8236.1	7404.3	6602.9	5869.2
-42.5°	12885.1	12101.2	11305.0	10495.0	9663.9	8880.5	8083.7	7329.4	6602.9	5929.1	5295.9
-45°	11090.9	10456.0	9775.6	9132.4	8443.2	7781.8	7106.1	6481.3	5869.2	5295.9	4721.1
-47.5°	9491.2	8990.0	8439.5	7896.7	7335.6	6763.5	6240.1	5695.6	5192.8	4679.2	4234.1
-50°	8087.0	7682.2	7236.8	6775.5	6343.7	5883.3	5437.5	4988.3	4554.3	4151.7	3754.7
-52.5°	6836.3	6527.2	6186.6	5815.9	5455.5	5081.8	4691.8	4348.2	3988.2	3648.9	3310.1
-55°	5784.7	5529.6	5255.3	4956.3	4649.2	4365.3	4063.8	3764.5	3474.4	3171.4	2898.1
-57.5°	4852.3	4642.0	4435.3	4209.8	3966.1	3729.3	3488.1	3233.3	2992.6	2750.4	2504.2
-60°	4063.8	3893.5	3729.3	3550.4	3357.0	3151.9	2960.9	2758.8	2546.2	2354.5	2155.4
-62.5°	3373.4	3239.4	3101.2	2960.9	2808.9	2645.8	2481.8	2323.9	2157.6	1985.9	1825.9
-65°	2765.9	2661.6	2546.2	2437.0	2319.5	2193.3	2058.7	1926.6	1794.3	1655.4	1513.1
-67.5°	2235.1	2155.4	2067.1	1974.4	1882.1	1782.9	1677.0	1564.6	1456.4	1347.1	1232.8
-70°	1767.4	1705.6	1637.1	1562.0	1486.8	1409.8	1327.5	1240.2	1148.0	1061.9	977.4
-72.5°	1351.3	1304.2	1251.9	1194.6	1132.4	1073.8	1014.1	950.6	883.5	813.0	744.9
-75°	988.6	955.1	917.9	877.2	832.9	785.2	740.7	696.4	649.5	600.2	548.5
-77.5°	683.5	660.8	635.5	607.9	577.8	545.4	510.8	476.8	446.5	414.6	381.2
-80°	433.0	419.0	403.4	386.2	367.6	347.5	326.0	303.2	279.0	257.7	239.7
-82.5°	239.2	232.1	224.2	215.6	206.2	196.0	185.2	173.6	161.4	148.5	135.0
-85°	107.5	104.9	102.1	98.9	95.5	91.8	87.8	83.6	79.2	74.5	69.5
-87.5°	33.6	33.1	32.4	31.8	31.0	30.2	29.3	28.4	27.4	26.4	25.3
-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: P731269 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-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°	24.2	23.0	21.8	20.5	19.2	17.9	16.5	15.1	13.7	12.2	10.8
85°	64.4	59.0	53.5	47.7	41.8	35.8	33.0	30.2	27.4	24.5	21.5
82.5°	120.9	111.3	103.0	94.3	85.5	76.3	67.0	57.4	47.7	37.7	32.2
80°	220.9	201.3	181.0	160.1	138.5	116.8	104.3	91.6	78.6	65.3	51.9
77.5°	346.4	310.1	272.6	244.3	217.4	189.6	161.2	132.2	109.3	92.8	76.0
75°	494.7	449.4	404.3	357.7	309.8	262.5	228.4	193.6	158.2	122.1	99.9
72.5°	681.9	616.5	548.8	480.7	424.8	367.5	308.7	254.5	213.2	171.2	128.6
70°	889.3	797.9	715.5	635.6	553.5	473.2	406.2	337.8	268.1	219.7	171.2
67.5°	1114.3	1011.3	904.8	795.1	698.3	603.6	506.9	425.6	347.5	268.1	213.2
65°	1380.6	1243.2	1103.9	982.0	856.8	736.1	628.8	519.4	425.6	337.8	254.5
62.5°	1659.6	1492.8	1336.7	1176.0	1028.6	887.8	748.7	628.8	506.9	406.2	308.7
60°	1955.5	1767.4	1573.4	1393.2	1213.6	1044.2	887.8	736.1	603.6	473.2	367.5
57.5°	2279.8	2048.0	1832.5	1616.7	1412.1	1213.6	1028.6	856.8	698.3	553.5	424.8
55°	2615.8	2355.1	2097.9	1854.3	1616.7	1393.2	1176.0	982.0	795.1	635.6	480.7
52.5°	2987.5	2674.9	2380.3	2097.9	1832.5	1573.4	1336.7	1103.9	904.8	715.5	548.8
50°	3380.0	3017.5	2674.9	2355.1	2048.0	1767.4	1492.8	1243.2	1011.3	797.9	616.5
47.5°	3790.1	3380.0	2987.5	2615.8	2279.8	1955.5	1659.6	1380.6	1114.3	889.3	681.9
45°	4234.1	3754.7	3310.1	2898.1	2504.2	2155.4	1825.9	1513.1	1232.8	977.4	744.9
42.5°	4679.2	4151.7	3648.9	3171.4	2750.4	2354.5	1985.9	1655.4	1347.1	1061.9	813.0
40°	5192.8	4554.3	3988.2	3474.4	2992.6	2546.2	2157.6	1794.3	1456.4	1148.0	883.5
37.5°	5695.6	4988.3	4348.2	3764.5	3233.3	2758.8	2323.9	1926.6	1564.6	1240.2	950.6
35°	6240.1	5437.5	4691.8	4063.8	3488.1	2960.9	2481.8	2058.7	1677.0	1327.5	1014.1
32.5°	6763.5	5883.3	5081.8	4365.3	3729.3	3151.9	2645.8	2193.3	1782.9	1409.8	1073.8
30°	7335.6	6343.7	5455.5	4649.2	3966.1	3357.0	2808.9	2319.5	1882.1	1486.8	1132.4
27.5°	7896.7	6775.5	5815.9	4956.3	4209.8	3550.4	2960.9	2437.0	1974.4	1562.0	1194.6
25°	8439.5	7236.8	6186.6	5255.3	4435.3	3729.3	3101.2	2546.2	2067.1	1637.1	1251.9
22.5°	8990.0	7682.2	6527.2	5529.6	4642.0	3893.5	3239.4	2661.6	2155.4	1705.6	1304.2
20°	9491.2	8087.0	6836.3	5784.7	4852.3	4063.8	3373.4	2765.9	2235.1	1767.4	1351.3
17.5°	9953.0	8473.9	7159.3	6038.0	5055.0	4215.6	3492.7	2858.6	2306.0	1822.3	1393.2
15°	10415.8	8837.3	7451.4	6259.8	5232.4	4348.2	3596.9	2939.5	2367.8	1870.1	1429.7
12.5°	10812.4	9148.3	7700.9	6449.2	5383.7	4461.3	3685.6	3008.4	2420.3	1910.8	1460.7
10°	11140.3	9405.2	7906.9	6605.3	5508.3	4554.3	3758.6	3065.1	2463.6	1944.3	1486.2
7.5°	11397.5	9606.5	8068.2	6727.5	5605.8	4627.1	3815.7	3109.4	2497.3	1970.4	1506.0
5°	11582.5	9751.2	8184.0	6815.2	5675.7	4679.2	3856.6	3141.1	2521.5	1989.1	1520.3
2.5°	11694.0	9838.3	8253.7	6868.0	5717.8	4710.6	3881.2	3160.1	2536.1	2000.3	1528.8
0°	11731.2	9867.4	8277.0	6885.6	5731.8	4721.1	3889.4	3166.5	2540.9	2004.1	1531.7
-2.5°	11694.0	9838.3	8253.7	6868.0	5717.8	4710.6	3881.2	3160.1	2536.1	2000.3	1528.8
-5°	11582.5	9751.2	8184.0	6815.2	5675.7	4679.2	3856.6	3141.1	2521.5	1989.1	1520.3
-7.5°	11397.5	9606.5	8068.2	6727.5	5605.8	4627.1	3815.7	3109.4	2497.3	1970.4	1506.0
-10°	11140.3	9405.2	7906.9	6605.3	5508.3	4554.3	3758.6	3065.1	2463.6	1944.3	1486.2
-12.5°	10812.4	9148.3	7700.9	6449.2	5383.7	4461.3	3685.6	3008.4	2420.3	1910.8	1460.7
-15°	10415.8	8837.3	7451.4	6259.8	5232.4	4348.2	3596.9	2939.5	2367.8	1870.1	1429.7
-17.5°	9953.0	8473.9	7159.3	6038.0	5055.0	4215.6	3492.7	2858.6	2306.0	1822.3	1393.2
-20°	9491.2	8087.0	6836.3	5784.7	4852.3	4063.8	3373.4	2765.9	2235.1	1767.4	1351.3



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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°	8990.0	7682.2	6527.2	5529.6	4642.0	3893.5	3239.4	2661.6	2155.4	1705.6	1304.2
-25°	8439.5	7236.8	6186.6	5255.3	4435.3	3729.3	3101.2	2546.2	2067.1	1637.1	1251.9
-27.5°	7896.7	6775.5	5815.9	4956.3	4209.8	3550.4	2960.9	2437.0	1974.4	1562.0	1194.6
-30°	7335.6	6343.7	5455.5	4649.2	3966.1	3357.0	2808.9	2319.5	1882.1	1486.8	1132.4
-32.5°	6763.5	5883.3	5081.8	4365.3	3729.3	3151.9	2645.8	2193.3	1782.9	1409.8	1073.8
-35°	6240.1	5437.5	4691.8	4063.8	3488.1	2960.9	2481.8	2058.7	1677.0	1327.5	1014.1
-37.5°	5695.6	4988.3	4348.2	3764.5	3233.3	2758.8	2323.9	1926.6	1564.6	1240.2	950.6
-40°	5192.8	4554.3	3988.2	3474.4	2992.6	2546.2	2157.6	1794.3	1456.4	1148.0	883.5
-42.5°	4679.2	4151.7	3648.9	3171.4	2750.4	2354.5	1985.9	1655.4	1347.1	1061.9	813.0
-45°	4234.1	3754.7	3310.1	2898.1	2504.2	2155.4	1825.9	1513.1	1232.8	977.4	744.9
-47.5°	3790.1	3380.0	2987.5	2615.8	2279.8	1955.5	1659.6	1380.6	1114.3	889.3	681.9
-50°	3380.0	3017.5	2674.9	2355.1	2048.0	1767.4	1492.8	1243.2	1011.3	797.9	616.5
-52.5°	2987.5	2674.9	2380.3	2097.9	1832.5	1573.4	1336.7	1103.9	904.8	715.5	548.8
-55°	2615.8	2355.1	2097.9	1854.3	1616.7	1393.2	1176.0	982.0	795.1	635.6	480.7
-57.5°	2279.8	2048.0	1832.5	1616.7	1412.1	1213.6	1028.6	856.8	698.3	553.5	424.8
-60°	1955.5	1767.4	1573.4	1393.2	1213.6	1044.2	887.8	736.1	603.6	473.2	367.5
-62.5°	1659.6	1492.8	1336.7	1176.0	1028.6	887.8	748.7	628.8	506.9	406.2	308.7
-65°	1380.6	1243.2	1103.9	982.0	856.8	736.1	628.8	519.4	425.6	337.8	254.5
-67.5°	1114.3	1011.3	904.8	795.1	698.3	603.6	506.9	425.6	347.5	268.1	213.2
-70°	889.3	797.9	715.5	635.6	553.5	473.2	406.2	337.8	268.1	219.7	171.2
-72.5°	681.9	616.5	548.8	480.7	424.8	367.5	308.7	254.5	213.2	171.2	128.6
-75°	494.7	449.4	404.3	357.7	309.8	262.5	228.4	193.6	158.2	122.1	99.9
-77.5°	346.4	310.1	272.6	244.3	217.4	189.6	161.2	132.2	109.3	92.8	76.0
-80°	220.9	201.3	181.0	160.1	138.5	116.8	104.3	91.6	78.6	65.3	51.9
-82.5°	120.9	111.3	103.0	94.3	85.5	76.3	67.0	57.4	47.7	37.7	32.2
-85°	64.4	59.0	53.5	47.7	41.8	35.8	33.0	30.2	27.4	24.5	21.5
-87.5°	24.2	23.0	21.8	20.5	19.2	17.9	16.5	15.1	13.7	12.2	10.8
-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°	9.3	7.7	6.2	4.7	3.1	1.6	0.0
85°	18.5	15.5	12.4	9.3	6.2	3.1	0.0
82.5°	27.7	23.2	18.6	14.0	9.3	4.7	0.0
80°	38.3	30.8	24.7	18.6	12.4	6.2	0.0
77.5°	59.0	41.8	30.8	23.2	15.5	7.7	0.0
75°	79.6	59.0	38.3	27.7	18.5	9.3	0.0
72.5°	99.9	76.0	51.9	32.2	21.5	10.8	0.0
70°	122.1	92.8	65.3	37.7	24.5	12.2	0.0
67.5°	158.2	109.3	78.6	47.7	27.4	13.7	0.0
65°	193.6	132.2	91.6	57.4	30.2	15.1	0.0
62.5°	228.4	161.2	104.3	67.0	33.0	16.5	0.0
60°	262.5	189.6	116.8	76.3	35.8	17.9	0.0
57.5°	309.8	217.4	138.5	85.5	41.8	19.2	0.0
55°	357.7	244.3	160.1	94.3	47.7	20.5	0.0
52.5°	404.3	272.6	181.0	103.0	53.5	21.8	0.0
50°	449.4	310.1	201.3	111.3	59.0	23.0	0.0
47.5°	494.7	346.4	220.9	120.9	64.4	24.2	0.0
45°	548.5	381.2	239.7	135.0	69.5	25.3	0.0
42.5°	600.2	414.6	257.7	148.5	74.5	26.4	0.0
40°	649.5	446.5	279.0	161.4	79.2	27.4	0.0
37.5°	696.4	476.8	303.2	173.6	83.6	28.4	0.0
35°	740.7	510.8	326.0	185.2	87.8	29.3	0.0
32.5°	785.2	545.4	347.5	196.0	91.8	30.2	0.0
30°	832.9	577.8	367.6	206.2	95.5	31.0	0.0
27.5°	877.2	607.9	386.2	215.6	98.9	31.8	0.0
25°	917.9	635.5	403.4	224.2	102.1	32.4	0.0
22.5°	955.1	660.8	419.0	232.1	104.9	33.1	0.0
20°	988.6	683.5	433.0	239.2	107.5	33.6	0.0
17.5°	1018.3	703.6	445.5	245.5	109.8	34.1	0.0
15°	1044.2	721.2	456.4	251.0	111.8	34.6	0.0
12.5°	1066.2	736.1	465.6	255.7	113.5	35.0	0.0
10°	1084.3	748.3	473.2	259.5	114.9	35.3	0.0
7.5°	1098.4	757.9	479.1	262.5	116.0	35.5	0.0
5°	1108.5	764.7	483.3	264.6	116.8	35.7	0.0
2.5°	1114.6	768.8	485.9	265.9	117.2	35.8	0.0
0°	1116.6	770.2	486.7	266.3	117.4	35.8	0.0
-2.5°	1114.6	768.8	485.9	265.9	117.2	35.8	0.0
-5°	1108.5	764.7	483.3	264.6	116.8	35.7	0.0
-7.5°	1098.4	757.9	479.1	262.5	116.0	35.5	0.0
-10°	1084.3	748.3	473.2	259.5	114.9	35.3	0.0
-12.5°	1066.2	736.1	465.6	255.7	113.5	35.0	0.0
-15°	1044.2	721.2	456.4	251.0	111.8	34.6	0.0
-17.5°	1018.3	703.6	445.5	245.5	109.8	34.1	0.0
-20°	988.6	683.5	433.0	239.2	107.5	33.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	955.1	660.8	419.0	232.1	104.9	33.1	0.0
-25°	917.9	635.5	403.4	224.2	102.1	32.4	0.0
-27.5°	877.2	607.9	386.2	215.6	98.9	31.8	0.0
-30°	832.9	577.8	367.6	206.2	95.5	31.0	0.0
-32.5°	785.2	545.4	347.5	196.0	91.8	30.2	0.0
-35°	740.7	510.8	326.0	185.2	87.8	29.3	0.0
-37.5°	696.4	476.8	303.2	173.6	83.6	28.4	0.0
-40°	649.5	446.5	279.0	161.4	79.2	27.4	0.0
-42.5°	600.2	414.6	257.7	148.5	74.5	26.4	0.0
-45°	548.5	381.2	239.7	135.0	69.5	25.3	0.0
-47.5°	494.7	346.4	220.9	120.9	64.4	24.2	0.0
-50°	449.4	310.1	201.3	111.3	59.0	23.0	0.0
-52.5°	404.3	272.6	181.0	103.0	53.5	21.8	0.0
-55°	357.7	244.3	160.1	94.3	47.7	20.5	0.0
-57.5°	309.8	217.4	138.5	85.5	41.8	19.2	0.0
-60°	262.5	189.6	116.8	76.3	35.8	17.9	0.0
-62.5°	228.4	161.2	104.3	67.0	33.0	16.5	0.0
-65°	193.6	132.2	91.6	57.4	30.2	15.1	0.0
-67.5°	158.2	109.3	78.6	47.7	27.4	13.7	0.0
-70°	122.1	92.8	65.3	37.7	24.5	12.2	0.0
-72.5°	99.9	76.0	51.9	32.2	21.5	10.8	0.0
-75°	79.6	59.0	38.3	27.7	18.5	9.3	0.0
-77.5°	59.0	41.8	30.8	23.2	15.5	7.7	0.0
-80°	38.3	30.8	24.7	18.6	12.4	6.2	0.0
-82.5°	27.7	23.2	18.6	14.0	9.3	4.7	0.0
-85°	18.5	15.5	12.4	9.3	6.2	3.1	0.0
-87.5°	9.3	7.7	6.2	4.7	3.1	1.6	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

