

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: P731297 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-4S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731297 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0680N-57-70-4S-HEG
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

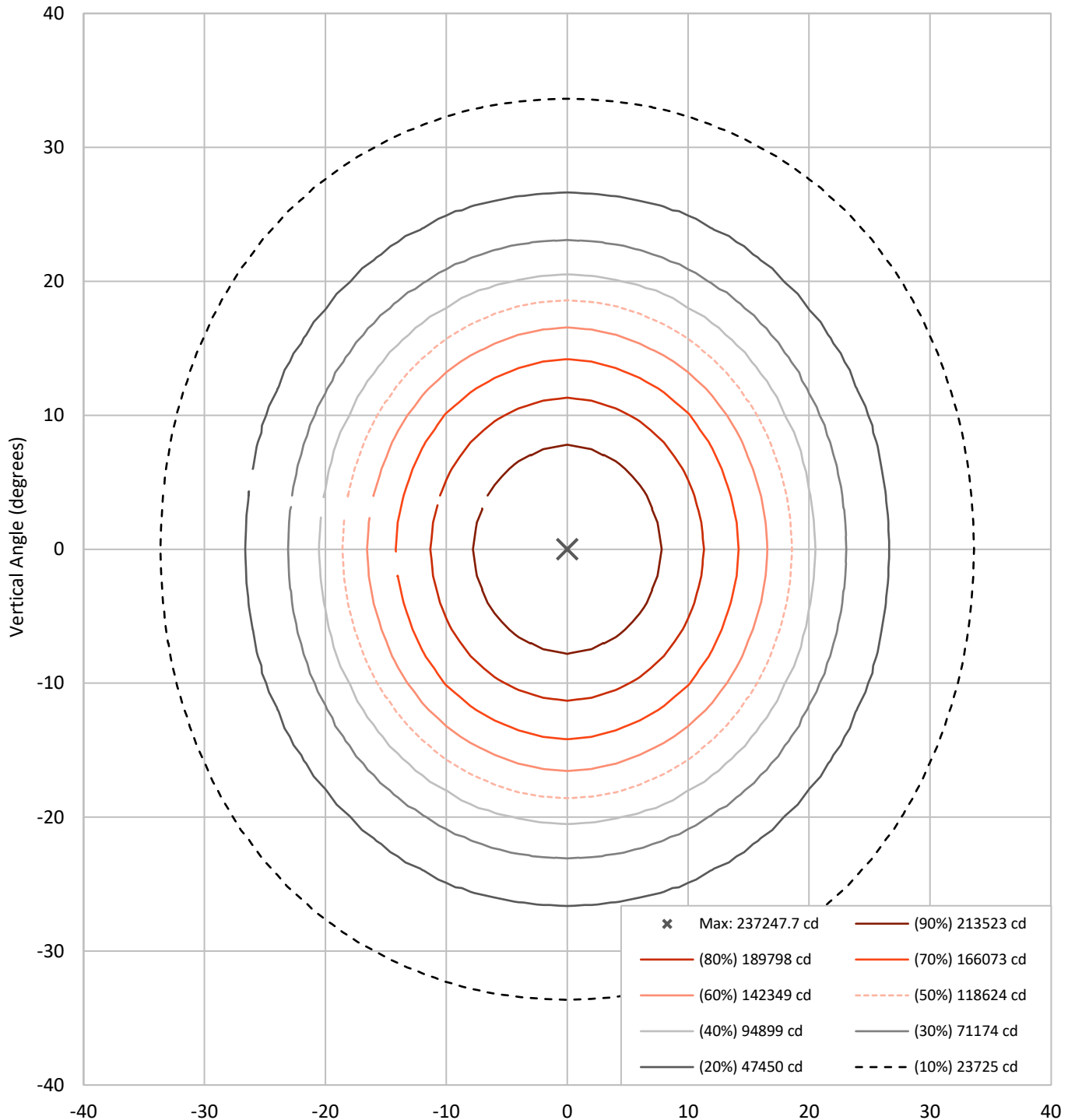
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	109563.2 lumens	Max Intensity:	237247.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	157.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	57037.6 lumens	Field Lumens:	95813.6 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%

Input Watts (W): 697.2
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





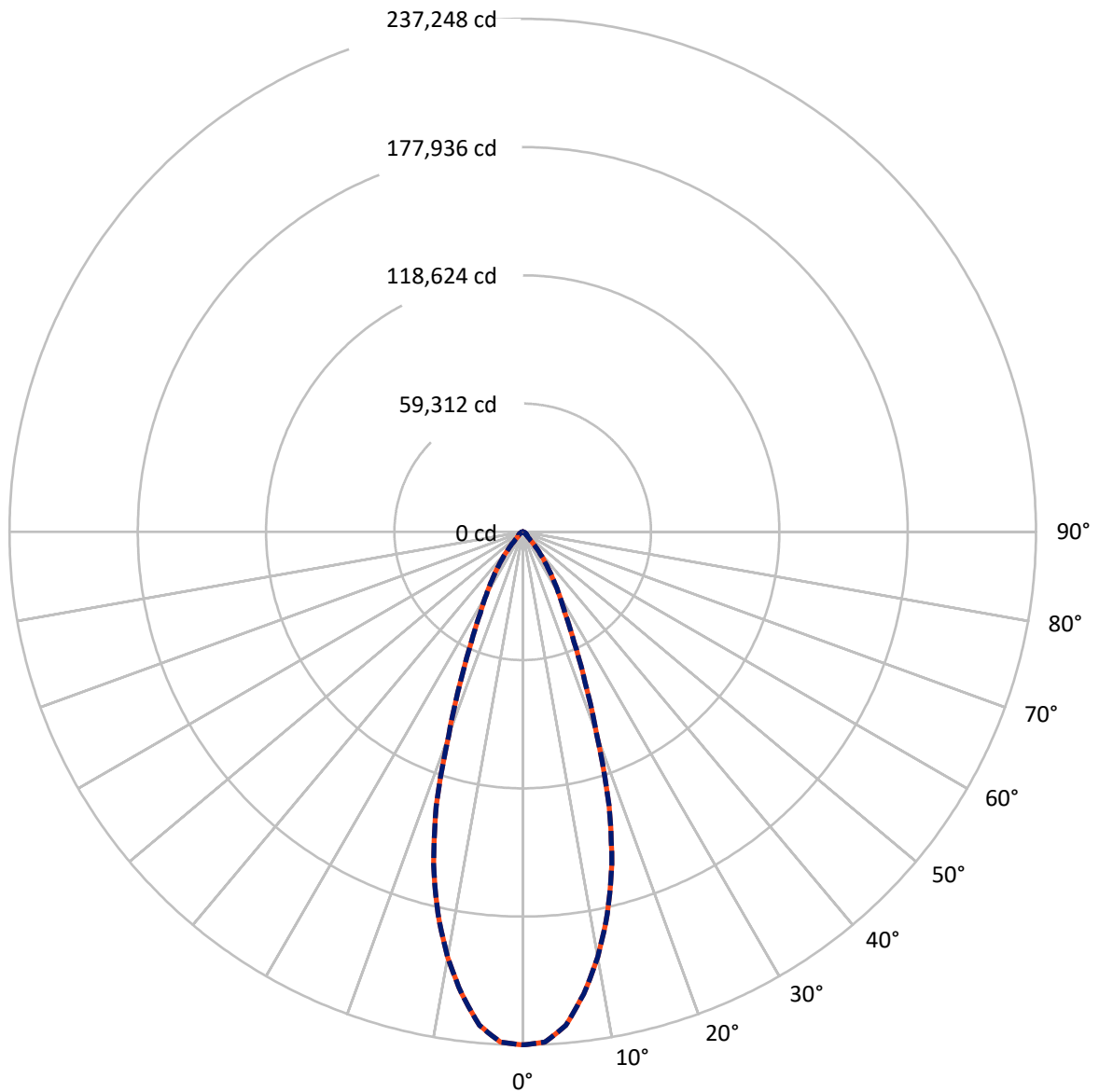
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Lumen Table

90																
80	0.1	0.8		3.3		7.8		10.1		7.8		3.3		0.8		0.1
70																
60	0.4	0.5	2.0	5.5	11.4	18.5	24.8	28.2	28.2	24.8	18.5	11.4	5.5	2.0	0.5	0.4
50		1.5	6.5	17.6	32.4	45.5	55.1	60.5	60.5	55.1	45.5	32.4	17.6	6.5	1.5	
40	1.1	3.4	14.4	32.8	51.0	70.8	101.8	134.3	134.3	101.8	70.8	51.0	32.8	14.4	3.4	1.1
30		6.1	22.9	44.2	76.6	206.1	436.1	604.9	604.9	436.1	206.1	76.6	44.2	22.9	6.1	
20	2.3	9.0	29.1	55.5	187.7	586.3	1146.6	1705.0	1705.0	1146.6	586.3	187.7	55.5	29.1	9.0	2.3
10		11.2	33.0	75.4	373.5	1079.6	2673.8	4389.2	4389.2	2673.8	1079.6	373.5	75.4	33.0	11.2	
0	2.8	12.4	35.1	97.2	502.7	1561.2	4265.1	6424.6	6424.6	4265.1	1561.2	502.7	97.2	35.1	12.4	2.8
-10		12.4	35.1	97.2	502.7	1561.2	4265.1	6424.6	6424.6	4265.1	1561.2	502.7	97.2	35.1	12.4	
-20	2.3	11.2	33.0	75.4	373.5	1079.6	2673.8	4389.2	4389.2	2673.8	1079.6	373.5	75.4	33.0	11.2	2.3
-30		9.0	29.1	55.5	187.7	586.3	1146.6	1705.0	1705.0	1146.6	586.3	187.7	55.5	29.1	9.0	
-40	1.1	6.1	22.9	44.2	76.6	206.1	436.1	604.9	604.9	436.1	206.1	76.6	44.2	22.9	6.1	1.1
-50		3.4	14.4	32.8	51.0	70.8	101.8	134.3	134.3	101.8	70.8	51.0	32.8	14.4	3.4	
-60	0.4	1.5	6.5	17.6	32.4	45.5	55.1	60.5	60.5	55.1	45.5	32.4	17.6	6.5	1.5	0.4
-70		0.5	2.0	5.5	11.4	18.5	24.8	28.2	28.2	24.8	18.5	11.4	5.5	2.0	0.5	
-80																
-90	0.1	0.8		3.3		7.8		10.1		7.8		3.3		0.8		0.1

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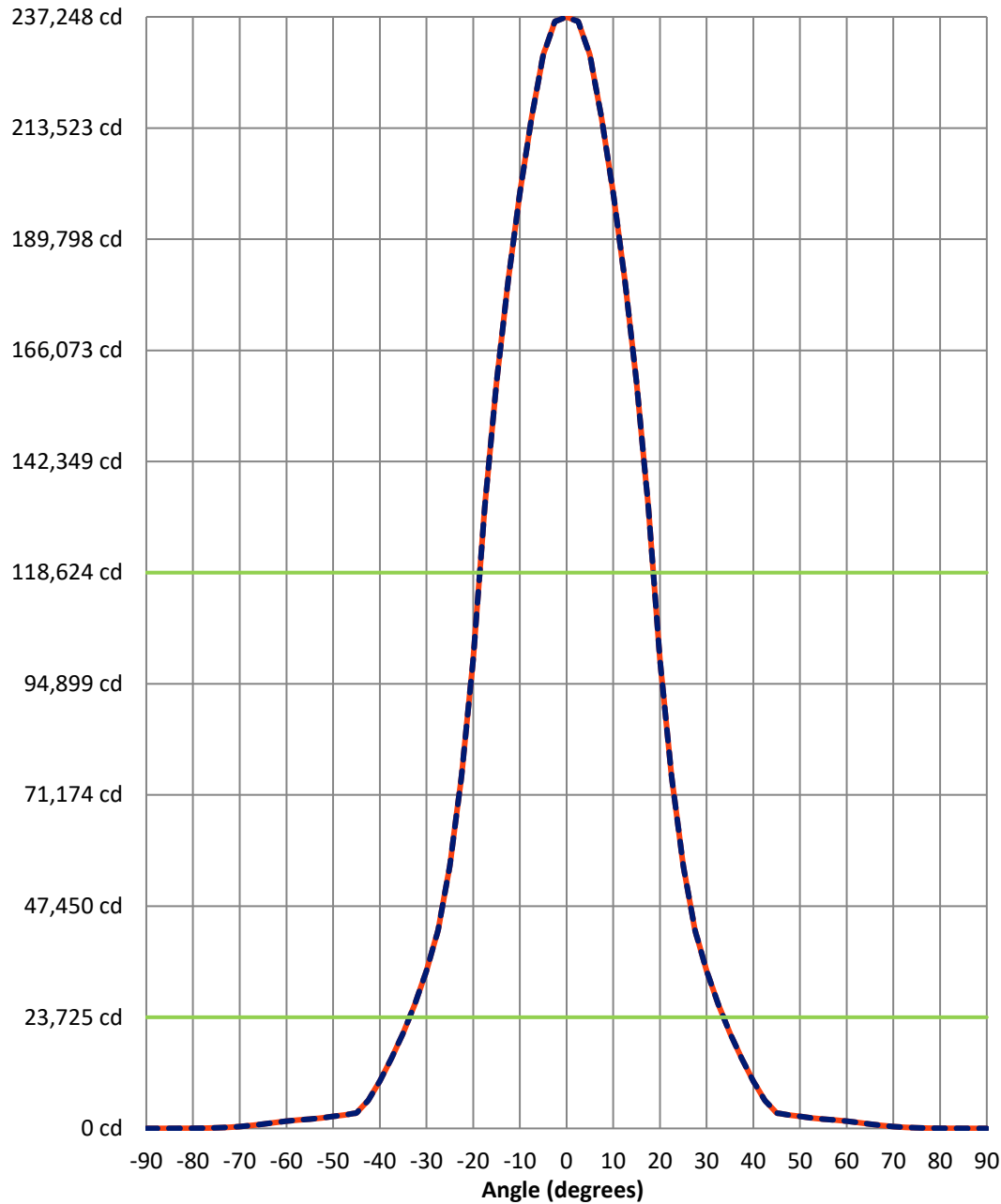
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 37.2°
V Angle: 37.2°
Lumens: 57037.6
Efficiency: 52.1%

Field:
H Angle: 67.2°
V Angle: 67.2°
Lumens: 95813.6
Efficiency: 87.5%

Spill:
Lumens: 13749.6
Efficiency: 12.5%

— 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	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.3
85°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.2	4.6
82.5°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	4.9	5.6	6.3	6.9
80°	0.0	1.0	1.9	2.9	3.8	4.7	5.7	6.6	7.5	8.3	9.2
77.5°	0.0	1.2	2.4	3.6	4.7	5.9	7.0	8.2	9.3	10.4	11.8
75°	0.0	1.4	2.8	4.3	5.7	7.0	8.4	9.7	11.2	13.4	15.6
72.5°	0.0	1.7	3.3	4.9	6.6	8.2	9.7	11.6	14.2	16.8	19.4
70°	0.0	1.9	3.8	5.6	7.5	9.3	11.2	14.2	17.2	20.2	23.1
67.5°	0.0	2.1	4.2	6.3	8.3	10.4	13.4	16.8	20.2	23.5	26.7
65°	0.0	2.3	4.6	6.9	9.2	11.8	15.6	19.4	23.1	26.7	32.6
62.5°	0.0	2.5	5.1	7.6	10.0	13.6	17.8	21.9	25.9	31.3	43.8
60°	0.0	2.7	5.5	8.2	10.9	15.4	19.9	24.3	28.6	41.2	54.9
57.5°	0.0	3.0	5.9	8.8	12.2	17.1	21.9	26.6	36.1	51.0	76.2
55°	0.0	3.2	6.3	9.4	13.5	18.7	23.9	29.0	44.5	63.5	101.9
52.5°	0.0	3.3	6.7	9.9	14.8	20.4	25.8	35.6	52.8	86.0	126.9
50°	0.0	3.5	7.0	10.5	16.1	21.9	27.7	42.6	64.1	107.9	159.6
47.5°	0.0	3.7	7.4	11.1	17.3	23.4	30.0	49.3	82.9	129.0	192.1
45°	0.0	3.9	7.7	12.0	18.5	24.8	35.6	55.8	100.9	157.1	223.6
42.5°	0.0	4.1	8.1	12.8	19.6	26.2	40.9	67.2	118.3	184.2	272.0
40°	0.0	4.2	8.4	13.6	20.6	27.5	46.0	81.7	136.9	210.1	321.3
37.5°	0.0	4.4	8.7	14.4	21.6	28.8	50.8	95.4	158.8	239.7	368.3
35°	0.0	4.5	8.9	15.1	22.6	31.7	55.4	108.5	179.5	279.6	420.3
32.5°	0.0	4.6	9.2	15.8	23.5	35.2	61.5	120.7	199.1	317.2	480.6
30°	0.0	4.8	9.5	16.4	24.3	38.6	71.3	133.2	217.3	352.5	537.2
27.5°	0.0	4.9	9.7	17.0	25.1	41.7	80.4	148.0	238.8	385.3	589.9
25°	0.0	5.0	9.9	17.5	25.8	44.5	88.7	161.6	265.4	424.1	638.9
22.5°	0.0	5.1	10.1	18.0	26.4	47.1	96.4	174.0	289.8	463.7	692.5
20°	0.0	5.2	10.2	18.4	27.0	49.5	103.2	185.2	311.7	499.4	740.8
17.5°	0.0	5.2	10.4	18.8	27.5	51.5	109.3	195.1	331.2	531.2	783.8
15°	0.0	5.3	10.5	19.2	27.9	53.3	114.6	203.8	348.2	558.9	821.3
12.5°	0.0	5.4	10.6	19.4	28.3	54.9	119.2	211.1	362.7	582.4	853.2
10°	0.0	5.4	10.7	19.7	28.6	56.1	122.9	217.2	374.6	601.8	879.5
7.5°	0.0	5.5	10.8	19.9	28.9	57.1	125.8	221.9	383.8	617.0	900.0
5°	0.0	5.5	10.9	20.0	29.1	57.8	127.8	225.3	390.5	627.8	914.7
2.5°	0.0	5.5	10.9	20.1	29.2	58.3	129.1	227.3	394.5	634.3	923.6
0°	0.0	5.5	10.9	20.1	29.2	58.3	129.1	227.3	394.5	634.3	923.6
-2.5°	0.0	5.5	10.9	20.1	29.2	58.3	129.1	227.3	394.5	634.3	923.6
-5°	0.0	5.5	10.9	20.0	29.1	57.8	127.8	225.3	390.5	627.8	914.7
-7.5°	0.0	5.5	10.8	19.9	28.9	57.1	125.8	221.9	383.8	617.0	900.0
-10°	0.0	5.4	10.7	19.7	28.6	56.1	122.9	217.2	374.6	601.8	879.5
-12.5°	0.0	5.4	10.6	19.4	28.3	54.9	119.2	211.1	362.7	582.4	853.2
-15°	0.0	5.3	10.5	19.2	27.9	53.3	114.6	203.8	348.2	558.9	821.3
-17.5°	0.0	5.2	10.4	18.8	27.5	51.5	109.3	195.1	331.2	531.2	783.8
-20°	0.0	5.2	10.2	18.4	27.0	49.5	103.2	185.2	311.7	499.4	740.8



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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	5.1	10.1	18.0	26.4	47.1	96.4	174.0	289.8	463.7	692.5
-25°	0.0	5.0	9.9	17.5	25.8	44.5	88.7	161.6	265.4	424.1	638.9
-27.5°	0.0	4.9	9.7	17.0	25.1	41.7	80.4	148.0	238.8	385.3	589.9
-30°	0.0	4.8	9.5	16.4	24.3	38.6	71.3	133.2	217.3	352.5	537.2
-32.5°	0.0	4.6	9.2	15.8	23.5	35.2	61.5	120.7	199.1	317.2	480.6
-35°	0.0	4.5	8.9	15.1	22.6	31.7	55.4	108.5	179.5	279.6	420.3
-37.5°	0.0	4.4	8.7	14.4	21.6	28.8	50.8	95.4	158.8	239.7	368.3
-40°	0.0	4.2	8.4	13.6	20.6	27.5	46.0	81.7	136.9	210.1	321.3
-42.5°	0.0	4.1	8.1	12.8	19.6	26.2	40.9	67.2	118.3	184.2	272.0
-45°	0.0	3.9	7.7	12.0	18.5	24.8	35.6	55.8	100.9	157.1	223.6
-47.5°	0.0	3.7	7.4	11.1	17.3	23.4	30.0	49.3	82.9	129.0	192.1
-50°	0.0	3.5	7.0	10.5	16.1	21.9	27.7	42.6	64.1	107.9	159.6
-52.5°	0.0	3.3	6.7	9.9	14.8	20.4	25.8	35.6	52.8	86.0	126.9
-55°	0.0	3.2	6.3	9.4	13.5	18.7	23.9	29.0	44.5	63.5	101.9
-57.5°	0.0	3.0	5.9	8.8	12.2	17.1	21.9	26.6	36.1	51.0	76.2
-60°	0.0	2.7	5.5	8.2	10.9	15.4	19.9	24.3	28.6	41.2	54.9
-62.5°	0.0	2.5	5.1	7.6	10.0	13.6	17.8	21.9	25.9	31.3	43.8
-65°	0.0	2.3	4.6	6.9	9.2	11.8	15.6	19.4	23.1	26.7	32.6
-67.5°	0.0	2.1	4.2	6.3	8.3	10.4	13.4	16.8	20.2	23.5	26.7
-70°	0.0	1.9	3.8	5.6	7.5	9.3	11.2	14.2	17.2	20.2	23.1
-72.5°	0.0	1.7	3.3	4.9	6.6	8.2	9.7	11.6	14.2	16.8	19.4
-75°	0.0	1.4	2.8	4.3	5.7	7.0	8.4	9.7	11.2	13.4	15.6
-77.5°	0.0	1.2	2.4	3.6	4.7	5.9	7.0	8.2	9.3	10.4	11.8
-80°	0.0	1.0	1.9	2.9	3.8	4.7	5.7	6.6	7.5	8.3	9.2
-82.5°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	4.9	5.6	6.3	6.9
-85°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.2	4.6
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.3
-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°	2.5	2.7	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.2	4.4
85°	5.1	5.5	5.9	6.3	6.7	7.0	7.4	7.7	8.1	8.4	8.7
82.5°	7.6	8.2	8.8	9.4	9.9	10.5	11.1	12.0	12.8	13.6	14.4
80°	10.0	10.9	12.2	13.5	14.8	16.1	17.3	18.5	19.6	20.6	21.6
77.5°	13.6	15.4	17.1	18.7	20.4	21.9	23.4	24.8	26.2	27.5	28.8
75°	17.8	19.9	21.9	23.9	25.8	27.7	30.0	35.6	40.9	46.0	50.8
72.5°	21.9	24.3	26.6	29.0	35.6	42.6	49.3	55.8	67.2	81.7	95.4
70°	25.9	28.6	36.1	44.5	52.8	64.1	82.9	100.9	118.3	136.9	158.8
67.5°	31.3	41.2	51.0	63.5	86.0	107.9	129.0	157.1	184.2	210.1	239.7
65°	43.8	54.9	76.2	101.9	126.9	159.6	192.1	223.6	272.0	321.3	368.3
62.5°	56.2	82.5	111.4	143.6	181.7	218.8	273.4	332.5	389.3	464.6	539.2
60°	82.5	114.6	152.5	195.1	242.8	311.7	378.5	463.7	552.9	638.9	737.5
57.5°	111.4	152.5	199.6	258.2	334.9	415.5	519.4	620.1	733.6	845.9	956.3
55°	143.6	195.1	258.2	342.6	437.8	553.2	671.2	802.1	928.7	1064.0	1193.5
52.5°	181.7	242.8	334.9	437.8	564.5	698.6	843.5	990.6	1141.9	1286.1	1420.4
50°	218.8	311.7	415.5	553.2	698.6	857.4	1021.8	1189.1	1347.1	1497.2	1622.1
47.5°	273.4	378.5	519.4	671.2	843.5	1021.8	1204.9	1377.8	1543.8	1670.1	1788.0
45°	332.5	463.7	620.1	802.1	990.6	1189.1	1377.8	1559.4	1694.2	1818.4	1916.2
42.5°	389.3	552.9	733.6	928.7	1141.9	1347.1	1543.8	1694.2	1828.0	1935.6	2058.7
40°	464.6	638.9	845.9	1064.0	1286.1	1497.2	1670.1	1818.4	1935.6	2071.8	2217.9
37.5°	539.2	737.5	956.3	1193.5	1420.4	1622.1	1788.0	1916.2	2058.7	2217.9	2432.8
35°	610.0	831.2	1070.1	1314.3	1548.5	1727.5	1877.6	2019.4	2191.2	2413.5	2635.4
32.5°	685.1	919.7	1177.8	1426.7	1644.0	1820.7	1961.2	2138.1	2355.9	2600.2	2816.2
30°	760.7	1011.6	1277.9	1532.6	1731.7	1894.2	2059.7	2261.1	2525.7	2762.3	3030.1
27.5°	831.2	1097.9	1368.7	1614.6	1809.9	1963.1	2158.3	2410.5	2673.6	2929.5	3254.8
25°	896.2	1177.8	1452.8	1684.7	1869.1	2042.4	2260.3	2549.9	2807.6	3126.8	4333.5
22.5°	959.0	1250.8	1529.9	1749.1	1923.5	2120.6	2379.6	2667.2	2951.6	3355.0	5564.8
20°	1018.9	1314.3	1590.2	1804.9	1972.8	2191.7	2488.3	2772.2	3107.1	4405.5	7113.6
17.5°	1072.1	1370.9	1637.7	1845.4	2028.8	2267.8	2584.0	2866.5	3247.1	5353.3	8710.6
15°	1118.7	1420.4	1679.3	1880.8	2080.1	2346.5	2660.5	2976.2	3736.4	6325.9	10133.9
12.5°	1158.3	1462.5	1714.8	1911.0	2123.9	2413.9	2726.1	3074.0	4401.6	7452.3	11577.0
10°	1190.9	1497.2	1744.1	1936.0	2160.1	2469.6	2780.4	3155.0	4953.2	8388.3	12778.7
7.5°	1216.4	1524.3	1766.9	1955.5	2188.4	2513.3	2822.9	3218.6	5387.1	9125.6	13727.0
5°	1234.7	1543.8	1783.3	1969.5	2208.8	2544.6	2853.5	3264.4	5699.6	9657.3	14412.1
2.5°	1245.6	1555.5	1793.2	1977.9	2221.0	2563.5	2871.9	3292.0	5888.3	9978.5	14826.2
0°	1249.3	1559.4	1796.5	1980.7	2225.1	2569.8	2878.1	3301.2	5951.3	10085.9	14964.8
-2.5°	1245.6	1555.5	1793.2	1977.9	2221.0	2563.5	2871.9	3292.0	5888.3	9978.5	14826.2
-5°	1234.7	1543.8	1783.3	1969.5	2208.8	2544.6	2853.5	3264.4	5699.6	9657.3	14412.1
-7.5°	1216.4	1524.3	1766.9	1955.5	2188.4	2513.3	2822.9	3218.6	5387.1	9125.6	13727.0
-10°	1190.9	1497.2	1744.1	1936.0	2160.1	2469.6	2780.4	3155.0	4953.2	8388.3	12778.7
-12.5°	1158.3	1462.5	1714.8	1911.0	2123.9	2413.9	2726.1	3074.0	4401.6	7452.3	11577.0
-15°	1118.7	1420.4	1679.3	1880.8	2080.1	2346.5	2660.5	2976.2	3736.4	6325.9	10133.9
-17.5°	1072.1	1370.9	1637.7	1845.4	2028.8	2267.8	2584.0	2866.5	3247.1	5353.3	8710.6
-20°	1018.9	1314.3	1590.2	1804.9	1972.8	2191.7	2488.3	2772.2	3107.1	4405.5	7113.6



REPORT NUMBER: P731297 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	959.0	1250.8	1529.9	1749.1	1923.5	2120.6	2379.6	2667.2	2951.6	3355.0	5564.8
-25°	896.2	1177.8	1452.8	1684.7	1869.1	2042.4	2260.3	2549.9	2807.6	3126.8	4333.5
-27.5°	831.2	1097.9	1368.7	1614.6	1809.9	1963.1	2158.3	2410.5	2673.6	2929.5	3254.8
-30°	760.7	1011.6	1277.9	1532.6	1731.7	1894.2	2059.7	2261.1	2525.7	2762.3	3030.1
-32.5°	685.1	919.7	1177.8	1426.7	1644.0	1820.7	1961.2	2138.1	2355.9	2600.2	2816.2
-35°	610.0	831.2	1070.1	1314.3	1548.5	1727.5	1877.6	2019.4	2191.2	2413.5	2635.4
-37.5°	539.2	737.5	956.3	1193.5	1420.4	1622.1	1788.0	1916.2	2058.7	2217.9	2432.8
-40°	464.6	638.9	845.9	1064.0	1286.1	1497.2	1670.1	1818.4	1935.6	2071.8	2217.9
-42.5°	389.3	552.9	733.6	928.7	1141.9	1347.1	1543.8	1694.2	1828.0	1935.6	2058.7
-45°	332.5	463.7	620.1	802.1	990.6	1189.1	1377.8	1559.4	1694.2	1818.4	1916.2
-47.5°	273.4	378.5	519.4	671.2	843.5	1021.8	1204.9	1377.8	1543.8	1670.1	1788.0
-50°	218.8	311.7	415.5	553.2	698.6	857.4	1021.8	1189.1	1347.1	1497.2	1622.1
-52.5°	181.7	242.8	334.9	437.8	564.5	698.6	843.5	990.6	1141.9	1286.1	1420.4
-55°	143.6	195.1	258.2	342.6	437.8	553.2	671.2	802.1	928.7	1064.0	1193.5
-57.5°	111.4	152.5	199.6	258.2	334.9	415.5	519.4	620.1	733.6	845.9	956.3
-60°	82.5	114.6	152.5	195.1	242.8	311.7	378.5	463.7	552.9	638.9	737.5
-62.5°	56.2	82.5	111.4	143.6	181.7	218.8	273.4	332.5	389.3	464.6	539.2
-65°	43.8	54.9	76.2	101.9	126.9	159.6	192.1	223.6	272.0	321.3	368.3
-67.5°	31.3	41.2	51.0	63.5	86.0	107.9	129.0	157.1	184.2	210.1	239.7
-70°	25.9	28.6	36.1	44.5	52.8	64.1	82.9	100.9	118.3	136.9	158.8
-72.5°	21.9	24.3	26.6	29.0	35.6	42.6	49.3	55.8	67.2	81.7	95.4
-75°	17.8	19.9	21.9	23.9	25.8	27.7	30.0	35.6	40.9	46.0	50.8
-77.5°	13.6	15.4	17.1	18.7	20.4	21.9	23.4	24.8	26.2	27.5	28.8
-80°	10.0	10.9	12.2	13.5	14.8	16.1	17.3	18.5	19.6	20.6	21.6
-82.5°	7.6	8.2	8.8	9.4	9.9	10.5	11.1	12.0	12.8	13.6	14.4
-85°	5.1	5.5	5.9	6.3	6.7	7.0	7.4	7.7	8.1	8.4	8.7
-87.5°	2.5	2.7	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.2	4.4
-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):

	-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°	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.4
85°	8.9	9.2	9.5	9.7	9.9	10.1	10.2	10.4	10.5	10.6	10.7
82.5°	15.1	15.8	16.4	17.0	17.5	18.0	18.4	18.8	19.2	19.4	19.7
80°	22.6	23.5	24.3	25.1	25.8	26.4	27.0	27.5	27.9	28.3	28.6
77.5°	31.7	35.2	38.6	41.7	44.5	47.1	49.5	51.5	53.3	54.9	56.1
75°	55.4	61.5	71.3	80.4	88.7	96.4	103.2	109.3	114.6	119.2	122.9
72.5°	108.5	120.7	133.2	148.0	161.6	174.0	185.2	195.1	203.8	211.1	217.2
70°	179.5	199.1	217.3	238.8	265.4	289.8	311.7	331.2	348.2	362.7	374.6
67.5°	279.6	317.2	352.5	385.3	424.1	463.7	499.4	531.2	558.9	582.4	601.8
65°	420.3	480.6	537.2	589.9	638.9	692.5	740.8	783.8	821.3	853.2	879.5
62.5°	610.0	685.1	760.7	831.2	896.2	959.0	1018.9	1072.1	1118.7	1158.3	1190.9
60°	831.2	919.7	1011.6	1097.9	1177.8	1250.8	1314.3	1370.9	1420.4	1462.5	1497.2
57.5°	1070.1	1177.8	1277.9	1368.7	1452.8	1529.9	1590.2	1637.7	1679.3	1714.8	1744.1
55°	1314.3	1426.7	1532.6	1614.6	1684.7	1749.1	1804.9	1845.4	1880.8	1911.0	1936.0
52.5°	1548.5	1644.0	1731.7	1809.9	1869.1	1923.5	1972.8	2028.8	2080.1	2123.9	2160.1
50°	1727.5	1820.7	1894.2	1963.1	2042.4	2120.6	2191.7	2267.8	2346.5	2413.9	2469.6
47.5°	1877.6	1961.2	2059.7	2158.3	2260.3	2379.6	2488.3	2584.0	2660.5	2726.1	2780.4
45°	2019.4	2138.1	2261.1	2410.5	2549.9	2667.2	2772.2	2866.5	2976.2	3074.0	3155.0
42.5°	2191.2	2355.9	2525.7	2673.6	2807.6	2951.6	3107.1	3247.1	3736.4	4401.6	4953.2
40°	2413.5	2600.2	2762.3	2929.5	3126.8	3355.0	4405.5	5353.3	6325.9	7452.3	8388.3
37.5°	2635.4	2816.2	3030.1	3254.8	4333.5	5564.8	7113.6	8710.6	10133.9	11577.0	12778.7
35°	2834.3	3081.0	3499.1	4999.2	6673.4	8734.2	10732.9	12767.7	14577.5	16264.6	17706.1
32.5°	3081.0	3663.2	5336.3	7482.5	9839.8	12401.7	14813.5	17217.6	19377.5	21387.9	23188.8
30°	3499.1	5336.3	7754.6	10457.1	13423.3	16340.2	19195.9	22022.1	24704.7	27136.4	29426.0
27.5°	4999.2	7482.5	10457.1	13767.3	17124.0	20421.3	23936.1	27277.8	30664.5	33635.2	36692.7
25°	6673.4	9839.8	13423.3	17124.0	20890.7	24911.6	29044.2	33104.0	37472.5	41432.9	46177.7
22.5°	8734.2	12401.7	16340.2	20421.3	24911.6	29641.4	34506.6	39854.2	46080.4	52891.1	59759.4
20°	10732.9	14813.5	19195.9	23936.1	29044.2	34506.6	40662.0	48747.1	57487.4	67900.3	77444.6
17.5°	12767.7	17217.6	22022.1	27277.8	33104.0	39854.2	48747.1	59477.7	72121.0	86217.1	99354.6
15°	14577.5	19377.5	24704.7	30664.5	37472.5	46080.4	57487.4	72121.0	89226.1	107535.2	126731.7
12.5°	16264.6	21387.9	27136.4	33635.2	41432.9	52891.1	67900.3	86217.1	107535.2	131394.2	149048.0
10°	17706.1	23188.8	29426.0	36692.7	46177.7	59759.4	77444.6	99354.6	126731.7	149048.0	167236.6
7.5°	18846.2	24617.2	31248.3	39138.7	50421.1	66323.2	87072.3	113285.8	140888.5	163249.5	181132.6
5°	19671.3	25653.1	32573.4	40923.6	53531.5	71162.3	94225.1	123924.3	150784.2	172988.5	191043.4
2.5°	20170.7	26281.1	33378.4	42010.5	55431.7	74131.1	98638.8	130542.8	157014.9	178964.5	197391.6
0°	20337.9	26491.6	33648.4	42375.6	56070.9	75132.1	100131.7	132791.6	159146.3	180946.0	199636.0
-2.5°	20170.7	26281.1	33378.4	42010.5	55431.7	74131.1	98638.8	130542.8	157014.9	178964.5	197391.6
-5°	19671.3	25653.1	32573.4	40923.6	53531.5	71162.3	94225.1	123924.3	150784.2	172988.5	191043.4
-7.5°	18846.2	24617.2	31248.3	39138.7	50421.1	66323.2	87072.3	113285.8	140888.5	163249.5	181132.6
-10°	17706.1	23188.8	29426.0	36692.7	46177.7	59759.4	77444.6	99354.6	126731.7	149048.0	167236.6
-12.5°	16264.6	21387.9	27136.4	33635.2	41432.9	52891.1	67900.3	86217.1	107535.2	131394.2	149048.0
-15°	14577.5	19377.5	24704.7	30664.5	37472.5	46080.4	57487.4	72121.0	89226.1	107535.2	126731.7
-17.5°	12767.7	17217.6	22022.1	27277.8	33104.0	39854.2	48747.1	59477.7	72121.0	86217.1	99354.6
-20°	10732.9	14813.5	19195.9	23936.1	29044.2	34506.6	40662.0	48747.1	57487.4	67900.3	77444.6



REPORT NUMBER: P731297 (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°	8734.2	12401.7	16340.2	20421.3	24911.6	29641.4	34506.6	39854.2	46080.4	52891.1	59759.4
-25°	6673.4	9839.8	13423.3	17124.0	20890.7	24911.6	29044.2	33104.0	37472.5	41432.9	46177.7
-27.5°	4999.2	7482.5	10457.1	13767.3	17124.0	20421.3	23936.1	27277.8	30664.5	33635.2	36692.7
-30°	3499.1	5336.3	7754.6	10457.1	13423.3	16340.2	19195.9	22022.1	24704.7	27136.4	29426.0
-32.5°	3081.0	3663.2	5336.3	7482.5	9839.8	12401.7	14813.5	17217.6	19377.5	21387.9	23188.8
-35°	2834.3	3081.0	3499.1	4999.2	6673.4	8734.2	10732.9	12767.7	14577.5	16264.6	17706.1
-37.5°	2635.4	2816.2	3030.1	3254.8	4333.5	5564.8	7113.6	8710.6	10133.9	11577.0	12778.7
-40°	2413.5	2600.2	2762.3	2929.5	3126.8	3355.0	4405.5	5353.3	6325.9	7452.3	8388.3
-42.5°	2191.2	2355.9	2525.7	2673.6	2807.6	2951.6	3107.1	3247.1	3736.4	4401.6	4953.2
-45°	2019.4	2138.1	2261.1	2410.5	2549.9	2667.2	2772.2	2866.5	2976.2	3074.0	3155.0
-47.5°	1877.6	1961.2	2059.7	2158.3	2260.3	2379.6	2488.3	2584.0	2660.5	2726.1	2780.4
-50°	1727.5	1820.7	1894.2	1963.1	2042.4	2120.6	2191.7	2267.8	2346.5	2413.9	2469.6
-52.5°	1548.5	1644.0	1731.7	1809.9	1869.1	1923.5	1972.8	2028.8	2080.1	2123.9	2160.1
-55°	1314.3	1426.7	1532.6	1614.6	1684.7	1749.1	1804.9	1845.4	1880.8	1911.0	1936.0
-57.5°	1070.1	1177.8	1277.9	1368.7	1452.8	1529.9	1590.2	1637.7	1679.3	1714.8	1744.1
-60°	831.2	919.7	1011.6	1097.9	1177.8	1250.8	1314.3	1370.9	1420.4	1462.5	1497.2
-62.5°	610.0	685.1	760.7	831.2	896.2	959.0	1018.9	1072.1	1118.7	1158.3	1190.9
-65°	420.3	480.6	537.2	589.9	638.9	692.5	740.8	783.8	821.3	853.2	879.5
-67.5°	279.6	317.2	352.5	385.3	424.1	463.7	499.4	531.2	558.9	582.4	601.8
-70°	179.5	199.1	217.3	238.8	265.4	289.8	311.7	331.2	348.2	362.7	374.6
-72.5°	108.5	120.7	133.2	148.0	161.6	174.0	185.2	195.1	203.8	211.1	217.2
-75°	55.4	61.5	71.3	80.4	88.7	96.4	103.2	109.3	114.6	119.2	122.9
-77.5°	31.7	35.2	38.6	41.7	44.5	47.1	49.5	51.5	53.3	54.9	56.1
-80°	22.6	23.5	24.3	25.1	25.8	26.4	27.0	27.5	27.9	28.3	28.6
-82.5°	15.1	15.8	16.4	17.0	17.5	18.0	18.4	18.8	19.2	19.4	19.7
-85°	8.9	9.2	9.5	9.7	9.9	10.1	10.2	10.4	10.5	10.6	10.7
-87.5°	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.4
-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: P731297 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.2
85°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.4
82.5°	19.9	20.0	20.1	20.1	20.1	20.0	19.9	19.7	19.4	19.2	18.8
80°	28.9	29.1	29.2	29.2	29.2	29.1	28.9	28.6	28.3	27.9	27.5
77.5°	57.1	57.8	58.3	58.4	58.3	57.8	57.1	56.1	54.9	53.3	51.5
75°	125.8	127.8	129.1	129.5	129.1	127.8	125.8	122.9	119.2	114.6	109.3
72.5°	221.9	225.3	227.3	228.0	227.3	225.3	221.9	217.2	211.1	203.8	195.1
70°	383.8	390.5	394.5	395.8	394.5	390.5	383.8	374.6	362.7	348.2	331.2
67.5°	617.0	627.8	634.3	636.5	634.3	627.8	617.0	601.8	582.4	558.9	531.2
65°	900.0	914.7	923.6	926.5	923.6	914.7	900.0	879.5	853.2	821.3	783.8
62.5°	1216.4	1234.7	1245.6	1249.3	1245.6	1234.7	1216.4	1190.9	1158.3	1118.7	1072.1
60°	1524.3	1543.8	1555.5	1559.4	1555.5	1543.8	1524.3	1497.2	1462.5	1420.4	1370.9
57.5°	1766.9	1783.3	1793.2	1796.5	1793.2	1783.3	1766.9	1744.1	1714.8	1679.3	1637.7
55°	1955.5	1969.5	1977.9	1980.7	1977.9	1969.5	1955.5	1936.0	1911.0	1880.8	1845.4
52.5°	2188.4	2208.8	2221.0	2225.1	2221.0	2208.8	2188.4	2160.1	2123.9	2080.1	2028.8
50°	2513.3	2544.6	2563.5	2569.8	2563.5	2544.6	2513.3	2469.6	2413.9	2346.5	2267.8
47.5°	2822.9	2853.5	2871.9	2878.1	2871.9	2853.5	2822.9	2780.4	2726.1	2660.5	2584.0
45°	3218.6	3264.4	3292.0	3301.2	3292.0	3264.4	3218.6	3155.0	3074.0	2976.2	2866.5
42.5°	5387.1	5699.6	5888.3	5951.3	5888.3	5699.6	5387.1	4953.2	4401.6	3736.4	3247.1
40°	9125.6	9657.3	9978.5	10085.9	9978.5	9657.3	9125.6	8388.3	7452.3	6325.9	5353.3
37.5°	13727.0	14412.1	14826.2	14964.8	14826.2	14412.1	13727.0	12778.7	11577.0	10133.9	8710.6
35°	18846.2	19671.3	20170.7	20337.9	20170.7	19671.3	18846.2	17706.1	16264.6	14577.5	12767.7
32.5°	24617.2	25653.1	26281.1	26491.6	26281.1	25653.1	24617.2	23188.8	21387.9	19377.5	17217.6
30°	31248.3	32573.4	33378.4	33648.4	33378.4	32573.4	31248.3	29426.0	27136.4	24704.7	22022.1
27.5°	39138.7	40923.6	42010.5	42375.6	42010.5	40923.6	39138.7	36692.7	33635.2	30664.5	27277.8
25°	50421.1	53531.5	55431.7	56070.9	55431.7	53531.5	50421.1	46177.7	41432.9	37472.5	33104.0
22.5°	66323.2	71162.3	74131.1	75132.1	74131.1	71162.3	66323.2	59759.4	52891.1	46080.4	39854.2
20°	87072.3	94225.1	98638.8	100131.7	98638.8	94225.1	87072.3	77444.6	67900.3	57487.4	48747.1
17.5°	113285.8	123924.3	130542.8	132791.6	130542.8	123924.3	113285.8	99354.6	86217.1	72121.0	59477.7
15°	140888.5	150784.2	157014.9	159146.3	157014.9	150784.2	140888.5	126731.7	107535.2	89226.1	72121.0
12.5°	163249.5	172988.5	178964.5	180946.0	178964.5	172988.5	163249.5	149048.0	131394.2	107535.2	86217.1
10°	181132.6	191043.4	197391.6	199636.0	197391.6	191043.4	181132.6	167236.6	149048.0	126731.7	99354.6
7.5°	195279.4	206465.7	213241.1	215652.3	213241.1	206465.7	195279.4	181132.6	163249.5	140888.5	113285.8
5°	206465.7	218242.7	226262.2	229084.1	226262.2	218242.7	206465.7	191043.4	172988.5	150784.2	123924.3
2.5°	213241.1	226262.2	234008.9	236234.5	234008.9	226262.2	213241.1	197391.6	178964.5	157014.9	130542.8
0°	215652.3	229084.1	236234.5	237247.7	236234.5	229084.1	215652.3	199636.0	180946.0	159146.3	132791.6
-2.5°	213241.1	226262.2	234008.9	236234.5	234008.9	226262.2	213241.1	197391.6	178964.5	157014.9	130542.8
-5°	206465.7	218242.7	226262.2	229084.1	226262.2	218242.7	206465.7	191043.4	172988.5	150784.2	123924.3
-7.5°	195279.4	206465.7	213241.1	215652.3	213241.1	206465.7	195279.4	181132.6	163249.5	140888.5	113285.8
-10°	181132.6	191043.4	197391.6	199636.0	197391.6	191043.4	181132.6	167236.6	149048.0	126731.7	99354.6
-12.5°	163249.5	172988.5	178964.5	180946.0	178964.5	172988.5	163249.5	149048.0	131394.2	107535.2	86217.1
-15°	140888.5	150784.2	157014.9	159146.3	157014.9	150784.2	140888.5	126731.7	107535.2	89226.1	72121.0
-17.5°	113285.8	123924.3	130542.8	132791.6	130542.8	123924.3	113285.8	99354.6	86217.1	72121.0	59477.7
-20°	87072.3	94225.1	98638.8	100131.7	98638.8	94225.1	87072.3	77444.6	67900.3	57487.4	48747.1



REPORT NUMBER: P731297 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	66323.2	71162.3	74131.1	75132.1	74131.1	71162.3	66323.2	59759.4	52891.1	46080.4	39854.2
-25°	50421.1	53531.5	55431.7	56070.9	55431.7	53531.5	50421.1	46177.7	41432.9	37472.5	33104.0
-27.5°	39138.7	40923.6	42010.5	42375.6	42010.5	40923.6	39138.7	36692.7	33635.2	30664.5	27277.8
-30°	31248.3	32573.4	33378.4	33648.4	33378.4	32573.4	31248.3	29426.0	27136.4	24704.7	22022.1
-32.5°	24617.2	25653.1	26281.1	26491.6	26281.1	25653.1	24617.2	23188.8	21387.9	19377.5	17217.6
-35°	18846.2	19671.3	20170.7	20337.9	20170.7	19671.3	18846.2	17706.1	16264.6	14577.5	12767.7
-37.5°	13727.0	14412.1	14826.2	14964.8	14826.2	14412.1	13727.0	12778.7	11577.0	10133.9	8710.6
-40°	9125.6	9657.3	9978.5	10085.9	9978.5	9657.3	9125.6	8388.3	7452.3	6325.9	5353.3
-42.5°	5387.1	5699.6	5888.3	5951.3	5888.3	5699.6	5387.1	4953.2	4401.6	3736.4	3247.1
-45°	3218.6	3264.4	3292.0	3301.2	3292.0	3264.4	3218.6	3155.0	3074.0	2976.2	2866.5
-47.5°	2822.9	2853.5	2871.9	2878.1	2871.9	2853.5	2822.9	2780.4	2726.1	2660.5	2584.0
-50°	2513.3	2544.6	2563.5	2569.8	2563.5	2544.6	2513.3	2469.6	2413.9	2346.5	2267.8
-52.5°	2188.4	2208.8	2221.0	2225.1	2221.0	2208.8	2188.4	2160.1	2123.9	2080.1	2028.8
-55°	1955.5	1969.5	1977.9	1980.7	1977.9	1969.5	1955.5	1936.0	1911.0	1880.8	1845.4
-57.5°	1766.9	1783.3	1793.2	1796.5	1793.2	1783.3	1766.9	1744.1	1714.8	1679.3	1637.7
-60°	1524.3	1543.8	1555.5	1559.4	1555.5	1543.8	1524.3	1497.2	1462.5	1420.4	1370.9
-62.5°	1216.4	1234.7	1245.6	1249.3	1245.6	1234.7	1216.4	1190.9	1158.3	1118.7	1072.1
-65°	900.0	914.7	923.6	926.5	923.6	914.7	900.0	879.5	853.2	821.3	783.8
-67.5°	617.0	627.8	634.3	636.5	634.3	627.8	617.0	601.8	582.4	558.9	531.2
-70°	383.8	390.5	394.5	395.8	394.5	390.5	383.8	374.6	362.7	348.2	331.2
-72.5°	221.9	225.3	227.3	228.0	227.3	225.3	221.9	217.2	211.1	203.8	195.1
-75°	125.8	127.8	129.1	129.5	129.1	127.8	125.8	122.9	119.2	114.6	109.3
-77.5°	57.1	57.8	58.3	58.4	58.3	57.8	57.1	56.1	54.9	53.3	51.5
-80°	28.9	29.1	29.2	29.2	29.2	29.1	28.9	28.6	28.3	27.9	27.5
-82.5°	19.9	20.0	20.1	20.1	20.1	20.0	19.9	19.7	19.4	19.2	18.8
-85°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.4
-87.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.2
-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°	5.2	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.1	3.9
85°	10.2	10.1	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7
82.5°	18.4	18.0	17.5	17.0	16.4	15.8	15.1	14.4	13.6	12.8	12.0
80°	27.0	26.4	25.8	25.1	24.3	23.5	22.6	21.6	20.6	19.6	18.5
77.5°	49.5	47.1	44.5	41.7	38.6	35.2	31.7	28.8	27.5	26.2	24.8
75°	103.2	96.4	88.7	80.4	71.3	61.5	55.4	50.8	46.0	40.9	35.6
72.5°	185.2	174.0	161.6	148.0	133.2	120.7	108.5	95.4	81.7	67.2	55.8
70°	311.7	289.8	265.4	238.8	217.3	199.1	179.5	158.8	136.9	118.3	100.9
67.5°	499.4	463.7	424.1	385.3	352.5	317.2	279.6	239.7	210.1	184.2	157.1
65°	740.8	692.5	638.9	589.9	537.2	480.6	420.3	368.3	321.3	272.0	223.6
62.5°	1018.9	959.0	896.2	831.2	760.7	685.1	610.0	539.2	464.6	389.3	332.5
60°	1314.3	1250.8	1177.8	1097.9	1011.6	919.7	831.2	737.5	638.9	552.9	463.7
57.5°	1590.2	1529.9	1452.8	1368.7	1277.9	1177.8	1070.1	956.3	845.9	733.6	620.1
55°	1804.9	1749.1	1684.7	1614.6	1532.6	1426.7	1314.3	1193.5	1064.0	928.7	802.1
52.5°	1972.8	1923.5	1869.1	1809.9	1731.7	1644.0	1548.5	1420.4	1286.1	1141.9	990.6
50°	2191.7	2120.6	2042.4	1963.1	1894.2	1820.7	1727.5	1622.1	1497.2	1347.1	1189.1
47.5°	2488.3	2379.6	2260.3	2158.3	2059.7	1961.2	1877.6	1788.0	1670.1	1543.8	1377.8
45°	2772.2	2667.2	2549.9	2410.5	2261.1	2138.1	2019.4	1916.2	1818.4	1694.2	1559.4
42.5°	3107.1	2951.6	2807.6	2673.6	2525.7	2355.9	2191.2	2058.7	1935.6	1828.0	1694.2
40°	4405.5	3355.0	3126.8	2929.5	2762.3	2600.2	2413.5	2217.9	2071.8	1935.6	1818.4
37.5°	7113.6	5564.8	4333.5	3254.8	3030.1	2816.2	2635.4	2432.8	2217.9	2058.7	1916.2
35°	10732.9	8734.2	6673.4	4999.2	3499.1	3081.0	2834.3	2635.4	2413.5	2191.2	2019.4
32.5°	14813.5	12401.7	9839.8	7482.5	5336.3	3663.2	3081.0	2816.2	2600.2	2355.9	2138.1
30°	19195.9	16340.2	13423.3	10457.1	7754.6	5336.3	3499.1	3030.1	2762.3	2525.7	2261.1
27.5°	23936.1	20421.3	17124.0	13767.3	10457.1	7482.5	4999.2	3254.8	2929.5	2673.6	2410.5
25°	29044.2	24911.6	20890.7	17124.0	13423.3	9839.8	6673.4	4333.5	3126.8	2807.6	2549.9
22.5°	34506.6	29641.4	24911.6	20421.3	16340.2	12401.7	8734.2	5564.8	3355.0	2951.6	2667.2
20°	40662.0	34506.6	29044.2	23936.1	19195.9	14813.5	10732.9	7113.6	4405.5	3107.1	2772.2
17.5°	48747.1	39854.2	33104.0	27277.8	22022.1	17217.6	12767.7	8710.6	5353.3	3247.1	2866.5
15°	57487.4	46080.4	37472.5	30664.5	24704.7	19377.5	14577.5	10133.9	6325.9	3736.4	2976.2
12.5°	67900.3	52891.1	41432.9	33635.2	27136.4	21387.9	16264.6	11577.0	7452.3	4401.6	3074.0
10°	77444.6	59759.4	46177.7	36692.7	29426.0	23188.8	17706.1	12778.7	8388.3	4953.2	3155.0
7.5°	87072.3	66323.2	50421.1	39138.7	31248.3	24617.2	18846.2	13727.0	9125.6	5387.1	3218.6
5°	94225.1	71162.3	53531.5	40923.6	32573.4	25653.1	19671.3	14412.1	9657.3	5699.6	3264.4
2.5°	98638.8	74131.1	55431.7	42010.5	33378.4	26281.1	20170.7	14826.2	9978.5	5888.3	3292.0
0°	100131.7	75132.1	56070.9	42375.6	33648.4	26491.6	20337.9	14964.8	10085.9	5951.3	3301.2
-2.5°	98638.8	74131.1	55431.7	42010.5	33378.4	26281.1	20170.7	14826.2	9978.5	5888.3	3292.0
-5°	94225.1	71162.3	53531.5	40923.6	32573.4	25653.1	19671.3	14412.1	9657.3	5699.6	3264.4
-7.5°	87072.3	66323.2	50421.1	39138.7	31248.3	24617.2	18846.2	13727.0	9125.6	5387.1	3218.6
-10°	77444.6	59759.4	46177.7	36692.7	29426.0	23188.8	17706.1	12778.7	8388.3	4953.2	3155.0
-12.5°	67900.3	52891.1	41432.9	33635.2	27136.4	21387.9	16264.6	11577.0	7452.3	4401.6	3074.0
-15°	57487.4	46080.4	37472.5	30664.5	24704.7	19377.5	14577.5	10133.9	6325.9	3736.4	2976.2
-17.5°	48747.1	39854.2	33104.0	27277.8	22022.1	17217.6	12767.7	8710.6	5353.3	3247.1	2866.5
-20°	40662.0	34506.6	29044.2	23936.1	19195.9	14813.5	10732.9	7113.6	4405.5	3107.1	2772.2



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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°	34506.6	29641.4	24911.6	20421.3	16340.2	12401.7	8734.2	5564.8	3355.0	2951.6	2667.2
-25°	29044.2	24911.6	20890.7	17124.0	13423.3	9839.8	6673.4	4333.5	3126.8	2807.6	2549.9
-27.5°	23936.1	20421.3	17124.0	13767.3	10457.1	7482.5	4999.2	3254.8	2929.5	2673.6	2410.5
-30°	19195.9	16340.2	13423.3	10457.1	7754.6	5336.3	3499.1	3030.1	2762.3	2525.7	2261.1
-32.5°	14813.5	12401.7	9839.8	7482.5	5336.3	3663.2	3081.0	2816.2	2600.2	2355.9	2138.1
-35°	10732.9	8734.2	6673.4	4999.2	3499.1	3081.0	2834.3	2635.4	2413.5	2191.2	2019.4
-37.5°	7113.6	5564.8	4333.5	3254.8	3030.1	2816.2	2635.4	2432.8	2217.9	2058.7	1916.2
-40°	4405.5	3355.0	3126.8	2929.5	2762.3	2600.2	2413.5	2217.9	2071.8	1935.6	1818.4
-42.5°	3107.1	2951.6	2807.6	2673.6	2525.7	2355.9	2191.2	2058.7	1935.6	1828.0	1694.2
-45°	2772.2	2667.2	2549.9	2410.5	2261.1	2138.1	2019.4	1916.2	1818.4	1694.2	1559.4
-47.5°	2488.3	2379.6	2260.3	2158.3	2059.7	1961.2	1877.6	1788.0	1670.1	1543.8	1377.8
-50°	2191.7	2120.6	2042.4	1963.1	1894.2	1820.7	1727.5	1622.1	1497.2	1347.1	1189.1
-52.5°	1972.8	1923.5	1869.1	1809.9	1731.7	1644.0	1548.5	1420.4	1286.1	1141.9	990.6
-55°	1804.9	1749.1	1684.7	1614.6	1532.6	1426.7	1314.3	1193.5	1064.0	928.7	802.1
-57.5°	1590.2	1529.9	1452.8	1368.7	1277.9	1177.8	1070.1	956.3	845.9	733.6	620.1
-60°	1314.3	1250.8	1177.8	1097.9	1011.6	919.7	831.2	737.5	638.9	552.9	463.7
-62.5°	1018.9	959.0	896.2	831.2	760.7	685.1	610.0	539.2	464.6	389.3	332.5
-65°	740.8	692.5	638.9	589.9	537.2	480.6	420.3	368.3	321.3	272.0	223.6
-67.5°	499.4	463.7	424.1	385.3	352.5	317.2	279.6	239.7	210.1	184.2	157.1
-70°	311.7	289.8	265.4	238.8	217.3	199.1	179.5	158.8	136.9	118.3	100.9
-72.5°	185.2	174.0	161.6	148.0	133.2	120.7	108.5	95.4	81.7	67.2	55.8
-75°	103.2	96.4	88.7	80.4	71.3	61.5	55.4	50.8	46.0	40.9	35.6
-77.5°	49.5	47.1	44.5	41.7	38.6	35.2	31.7	28.8	27.5	26.2	24.8
-80°	27.0	26.4	25.8	25.1	24.3	23.5	22.6	21.6	20.6	19.6	18.5
-82.5°	18.4	18.0	17.5	17.0	16.4	15.8	15.1	14.4	13.6	12.8	12.0
-85°	10.2	10.1	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7
-87.5°	5.2	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.1	3.9
-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: P731297 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-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°	3.7	3.5	3.3	3.2	3.0	2.7	2.5	2.3	2.1	1.9	1.7
85°	7.4	7.0	6.7	6.3	5.9	5.5	5.1	4.6	4.2	3.8	3.3
82.5°	11.1	10.5	9.9	9.4	8.8	8.2	7.6	6.9	6.3	5.6	4.9
80°	17.3	16.1	14.8	13.5	12.2	10.9	10.0	9.2	8.3	7.5	6.6
77.5°	23.4	21.9	20.4	18.7	17.1	15.4	13.6	11.8	10.4	9.3	8.2
75°	30.0	27.7	25.8	23.9	21.9	19.9	17.8	15.6	13.4	11.2	9.7
72.5°	49.3	42.6	35.6	29.0	26.6	24.3	21.9	19.4	16.8	14.2	11.6
70°	82.9	64.1	52.8	44.5	36.1	28.6	25.9	23.1	20.2	17.2	14.2
67.5°	129.0	107.9	86.0	63.5	51.0	41.2	31.3	26.7	23.5	20.2	16.8
65°	192.1	159.6	126.9	101.9	76.2	54.9	43.8	32.6	26.7	23.1	19.4
62.5°	273.4	218.8	181.7	143.6	111.4	82.5	56.2	43.8	31.3	25.9	21.9
60°	378.5	311.7	242.8	195.1	152.5	114.6	82.5	54.9	41.2	28.6	24.3
57.5°	519.4	415.5	334.9	258.2	199.6	152.5	111.4	76.2	51.0	36.1	26.6
55°	671.2	553.2	437.8	342.6	258.2	195.1	143.6	101.9	63.5	44.5	29.0
52.5°	843.5	698.6	564.5	437.8	334.9	242.8	181.7	126.9	86.0	52.8	35.6
50°	1021.8	857.4	698.6	553.2	415.5	311.7	218.8	159.6	107.9	64.1	42.6
47.5°	1204.9	1021.8	843.5	671.2	519.4	378.5	273.4	192.1	129.0	82.9	49.3
45°	1377.8	1189.1	990.6	802.1	620.1	463.7	332.5	223.6	157.1	100.9	55.8
42.5°	1543.8	1347.1	1141.9	928.7	733.6	552.9	389.3	272.0	184.2	118.3	67.2
40°	1670.1	1497.2	1286.1	1064.0	845.9	638.9	464.6	321.3	210.1	136.9	81.7
37.5°	1788.0	1622.1	1420.4	1193.5	956.3	737.5	539.2	368.3	239.7	158.8	95.4
35°	1877.6	1727.5	1548.5	1314.3	1070.1	831.2	610.0	420.3	279.6	179.5	108.5
32.5°	1961.2	1820.7	1644.0	1426.7	1177.8	919.7	685.1	480.6	317.2	199.1	120.7
30°	2059.7	1894.2	1731.7	1532.6	1277.9	1011.6	760.7	537.2	352.5	217.3	133.2
27.5°	2158.3	1963.1	1809.9	1614.6	1368.7	1097.9	831.2	589.9	385.3	238.8	148.0
25°	2260.3	2042.4	1869.1	1684.7	1452.8	1177.8	896.2	638.9	424.1	265.4	161.6
22.5°	2379.6	2120.6	1923.5	1749.1	1529.9	1250.8	959.0	692.5	463.7	289.8	174.0
20°	2488.3	2191.7	1972.8	1804.9	1590.2	1314.3	1018.9	740.8	499.4	311.7	185.2
17.5°	2584.0	2267.8	2028.8	1845.4	1637.7	1370.9	1072.1	783.8	531.2	331.2	195.1
15°	2660.5	2346.5	2080.1	1880.8	1679.3	1420.4	1118.7	821.3	558.9	348.2	203.8
12.5°	2726.1	2413.9	2123.9	1911.0	1714.8	1462.5	1158.3	853.2	582.4	362.7	211.1
10°	2780.4	2469.6	2160.1	1936.0	1744.1	1497.2	1190.9	879.5	601.8	374.6	217.2
7.5°	2822.9	2513.3	2188.4	1955.5	1766.9	1524.3	1216.4	900.0	617.0	383.8	221.9
5°	2853.5	2544.6	2208.8	1969.5	1783.3	1543.8	1234.7	914.7	627.8	390.5	225.3
2.5°	2871.9	2563.5	2221.0	1977.9	1793.2	1555.5	1245.6	923.6	634.3	394.5	227.3
0°	2878.1	2569.8	2225.1	1980.7	1796.5	1559.4	1249.3	926.5	636.5	395.8	228.0
-2.5°	2871.9	2563.5	2221.0	1977.9	1793.2	1555.5	1245.6	923.6	634.3	394.5	227.3
-5°	2853.5	2544.6	2208.8	1969.5	1783.3	1543.8	1234.7	914.7	627.8	390.5	225.3
-7.5°	2822.9	2513.3	2188.4	1955.5	1766.9	1524.3	1216.4	900.0	617.0	383.8	221.9
-10°	2780.4	2469.6	2160.1	1936.0	1744.1	1497.2	1190.9	879.5	601.8	374.6	217.2
-12.5°	2726.1	2413.9	2123.9	1911.0	1714.8	1462.5	1158.3	853.2	582.4	362.7	211.1
-15°	2660.5	2346.5	2080.1	1880.8	1679.3	1420.4	1118.7	821.3	558.9	348.2	203.8
-17.5°	2584.0	2267.8	2028.8	1845.4	1637.7	1370.9	1072.1	783.8	531.2	331.2	195.1
-20°	2488.3	2191.7	1972.8	1804.9	1590.2	1314.3	1018.9	740.8	499.4	311.7	185.2



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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°	2379.6	2120.6	1923.5	1749.1	1529.9	1250.8	959.0	692.5	463.7	289.8	174.0
-25°	2260.3	2042.4	1869.1	1684.7	1452.8	1177.8	896.2	638.9	424.1	265.4	161.6
-27.5°	2158.3	1963.1	1809.9	1614.6	1368.7	1097.9	831.2	589.9	385.3	238.8	148.0
-30°	2059.7	1894.2	1731.7	1532.6	1277.9	1011.6	760.7	537.2	352.5	217.3	133.2
-32.5°	1961.2	1820.7	1644.0	1426.7	1177.8	919.7	685.1	480.6	317.2	199.1	120.7
-35°	1877.6	1727.5	1548.5	1314.3	1070.1	831.2	610.0	420.3	279.6	179.5	108.5
-37.5°	1788.0	1622.1	1420.4	1193.5	956.3	737.5	539.2	368.3	239.7	158.8	95.4
-40°	1670.1	1497.2	1286.1	1064.0	845.9	638.9	464.6	321.3	210.1	136.9	81.7
-42.5°	1543.8	1347.1	1141.9	928.7	733.6	552.9	389.3	272.0	184.2	118.3	67.2
-45°	1377.8	1189.1	990.6	802.1	620.1	463.7	332.5	223.6	157.1	100.9	55.8
-47.5°	1204.9	1021.8	843.5	671.2	519.4	378.5	273.4	192.1	129.0	82.9	49.3
-50°	1021.8	857.4	698.6	553.2	415.5	311.7	218.8	159.6	107.9	64.1	42.6
-52.5°	843.5	698.6	564.5	437.8	334.9	242.8	181.7	126.9	86.0	52.8	35.6
-55°	671.2	553.2	437.8	342.6	258.2	195.1	143.6	101.9	63.5	44.5	29.0
-57.5°	519.4	415.5	334.9	258.2	199.6	152.5	111.4	76.2	51.0	36.1	26.6
-60°	378.5	311.7	242.8	195.1	152.5	114.6	82.5	54.9	41.2	28.6	24.3
-62.5°	273.4	218.8	181.7	143.6	111.4	82.5	56.2	43.8	31.3	25.9	21.9
-65°	192.1	159.6	126.9	101.9	76.2	54.9	43.8	32.6	26.7	23.1	19.4
-67.5°	129.0	107.9	86.0	63.5	51.0	41.2	31.3	26.7	23.5	20.2	16.8
-70°	82.9	64.1	52.8	44.5	36.1	28.6	25.9	23.1	20.2	17.2	14.2
-72.5°	49.3	42.6	35.6	29.0	26.6	24.3	21.9	19.4	16.8	14.2	11.6
-75°	30.0	27.7	25.8	23.9	21.9	19.9	17.8	15.6	13.4	11.2	9.7
-77.5°	23.4	21.9	20.4	18.7	17.1	15.4	13.6	11.8	10.4	9.3	8.2
-80°	17.3	16.1	14.8	13.5	12.2	10.9	10.0	9.2	8.3	7.5	6.6
-82.5°	11.1	10.5	9.9	9.4	8.8	8.2	7.6	6.9	6.3	5.6	4.9
-85°	7.4	7.0	6.7	6.3	5.9	5.5	5.1	4.6	4.2	3.8	3.3
-87.5°	3.7	3.5	3.3	3.2	3.0	2.7	2.5	2.3	2.1	1.9	1.7
-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):

	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°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.8	2.4	1.9	1.4	1.0	0.5	0.0
82.5°	4.3	3.6	2.9	2.1	1.4	0.7	0.0
80°	5.7	4.7	3.8	2.9	1.9	1.0	0.0
77.5°	7.0	5.9	4.7	3.6	2.4	1.2	0.0
75°	8.4	7.0	5.7	4.3	2.8	1.4	0.0
72.5°	9.7	8.2	6.6	4.9	3.3	1.7	0.0
70°	11.2	9.3	7.5	5.6	3.8	1.9	0.0
67.5°	13.4	10.4	8.3	6.3	4.2	2.1	0.0
65°	15.6	11.8	9.2	6.9	4.6	2.3	0.0
62.5°	17.8	13.6	10.0	7.6	5.1	2.5	0.0
60°	19.9	15.4	10.9	8.2	5.5	2.7	0.0
57.5°	21.9	17.1	12.2	8.8	5.9	3.0	0.0
55°	23.9	18.7	13.5	9.4	6.3	3.2	0.0
52.5°	25.8	20.4	14.8	9.9	6.7	3.3	0.0
50°	27.7	21.9	16.1	10.5	7.0	3.5	0.0
47.5°	30.0	23.4	17.3	11.1	7.4	3.7	0.0
45°	35.6	24.8	18.5	12.0	7.7	3.9	0.0
42.5°	40.9	26.2	19.6	12.8	8.1	4.1	0.0
40°	46.0	27.5	20.6	13.6	8.4	4.2	0.0
37.5°	50.8	28.8	21.6	14.4	8.7	4.4	0.0
35°	55.4	31.7	22.6	15.1	8.9	4.5	0.0
32.5°	61.5	35.2	23.5	15.8	9.2	4.6	0.0
30°	71.3	38.6	24.3	16.4	9.5	4.8	0.0
27.5°	80.4	41.7	25.1	17.0	9.7	4.9	0.0
25°	88.7	44.5	25.8	17.5	9.9	5.0	0.0
22.5°	96.4	47.1	26.4	18.0	10.1	5.1	0.0
20°	103.2	49.5	27.0	18.4	10.2	5.2	0.0
17.5°	109.3	51.5	27.5	18.8	10.4	5.2	0.0
15°	114.6	53.3	27.9	19.2	10.5	5.3	0.0
12.5°	119.2	54.9	28.3	19.4	10.6	5.4	0.0
10°	122.9	56.1	28.6	19.7	10.7	5.4	0.0
7.5°	125.8	57.1	28.9	19.9	10.8	5.5	0.0
5°	127.8	57.8	29.1	20.0	10.9	5.5	0.0
2.5°	129.1	58.3	29.2	20.1	10.9	5.5	0.0
0°	129.5	58.4	29.2	20.1	10.9	5.5	0.0
-2.5°	129.1	58.3	29.2	20.1	10.9	5.5	0.0
-5°	127.8	57.8	29.1	20.0	10.9	5.5	0.0
-7.5°	125.8	57.1	28.9	19.9	10.8	5.5	0.0
-10°	122.9	56.1	28.6	19.7	10.7	5.4	0.0
-12.5°	119.2	54.9	28.3	19.4	10.6	5.4	0.0
-15°	114.6	53.3	27.9	19.2	10.5	5.3	0.0
-17.5°	109.3	51.5	27.5	18.8	10.4	5.2	0.0
-20°	103.2	49.5	27.0	18.4	10.2	5.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	96.4	47.1	26.4	18.0	10.1	5.1	0.0
-25°	88.7	44.5	25.8	17.5	9.9	5.0	0.0
-27.5°	80.4	41.7	25.1	17.0	9.7	4.9	0.0
-30°	71.3	38.6	24.3	16.4	9.5	4.8	0.0
-32.5°	61.5	35.2	23.5	15.8	9.2	4.6	0.0
-35°	55.4	31.7	22.6	15.1	8.9	4.5	0.0
-37.5°	50.8	28.8	21.6	14.4	8.7	4.4	0.0
-40°	46.0	27.5	20.6	13.6	8.4	4.2	0.0
-42.5°	40.9	26.2	19.6	12.8	8.1	4.1	0.0
-45°	35.6	24.8	18.5	12.0	7.7	3.9	0.0
-47.5°	30.0	23.4	17.3	11.1	7.4	3.7	0.0
-50°	27.7	21.9	16.1	10.5	7.0	3.5	0.0
-52.5°	25.8	20.4	14.8	9.9	6.7	3.3	0.0
-55°	23.9	18.7	13.5	9.4	6.3	3.2	0.0
-57.5°	21.9	17.1	12.2	8.8	5.9	3.0	0.0
-60°	19.9	15.4	10.9	8.2	5.5	2.7	0.0
-62.5°	17.8	13.6	10.0	7.6	5.1	2.5	0.0
-65°	15.6	11.8	9.2	6.9	4.6	2.3	0.0
-67.5°	13.4	10.4	8.3	6.3	4.2	2.1	0.0
-70°	11.2	9.3	7.5	5.6	3.8	1.9	0.0
-72.5°	9.7	8.2	6.6	4.9	3.3	1.7	0.0
-75°	8.4	7.0	5.7	4.3	2.8	1.4	0.0
-77.5°	7.0	5.9	4.7	3.6	2.4	1.2	0.0
-80°	5.7	4.7	3.8	2.9	1.9	1.0	0.0
-82.5°	4.3	3.6	2.9	2.1	1.4	0.7	0.0
-85°	2.8	2.4	1.9	1.4	1.0	0.5	0.0
-87.5°	1.4	1.2	1.0	0.7	0.5	0.2	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

