

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: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-2S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-2S-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

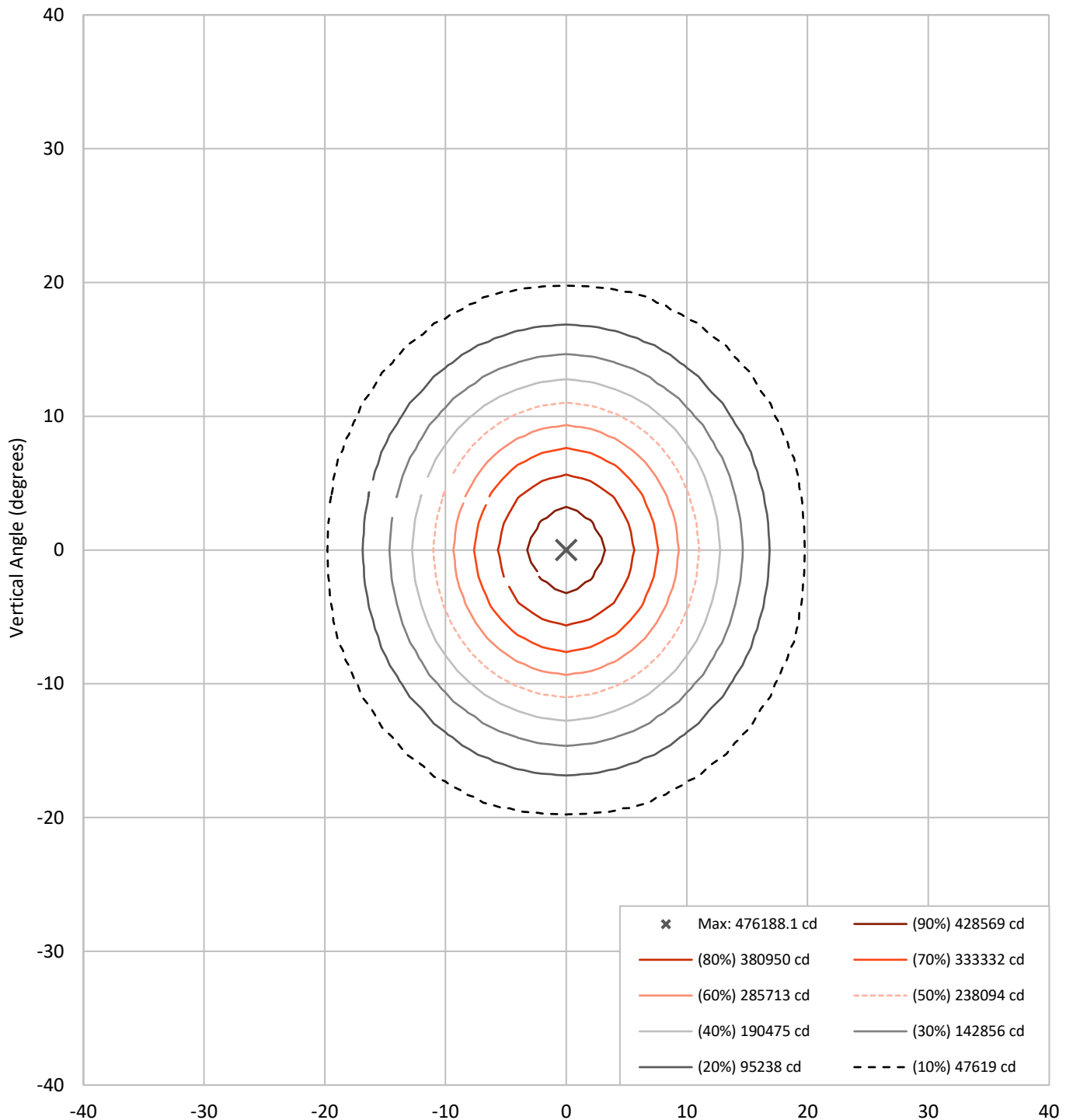
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	85776.4 lumens	Max Intensity:	476188.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	152.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	37910.4 lumens	Field Lumens:	70408.6 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%

Input Watts (W): 561.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





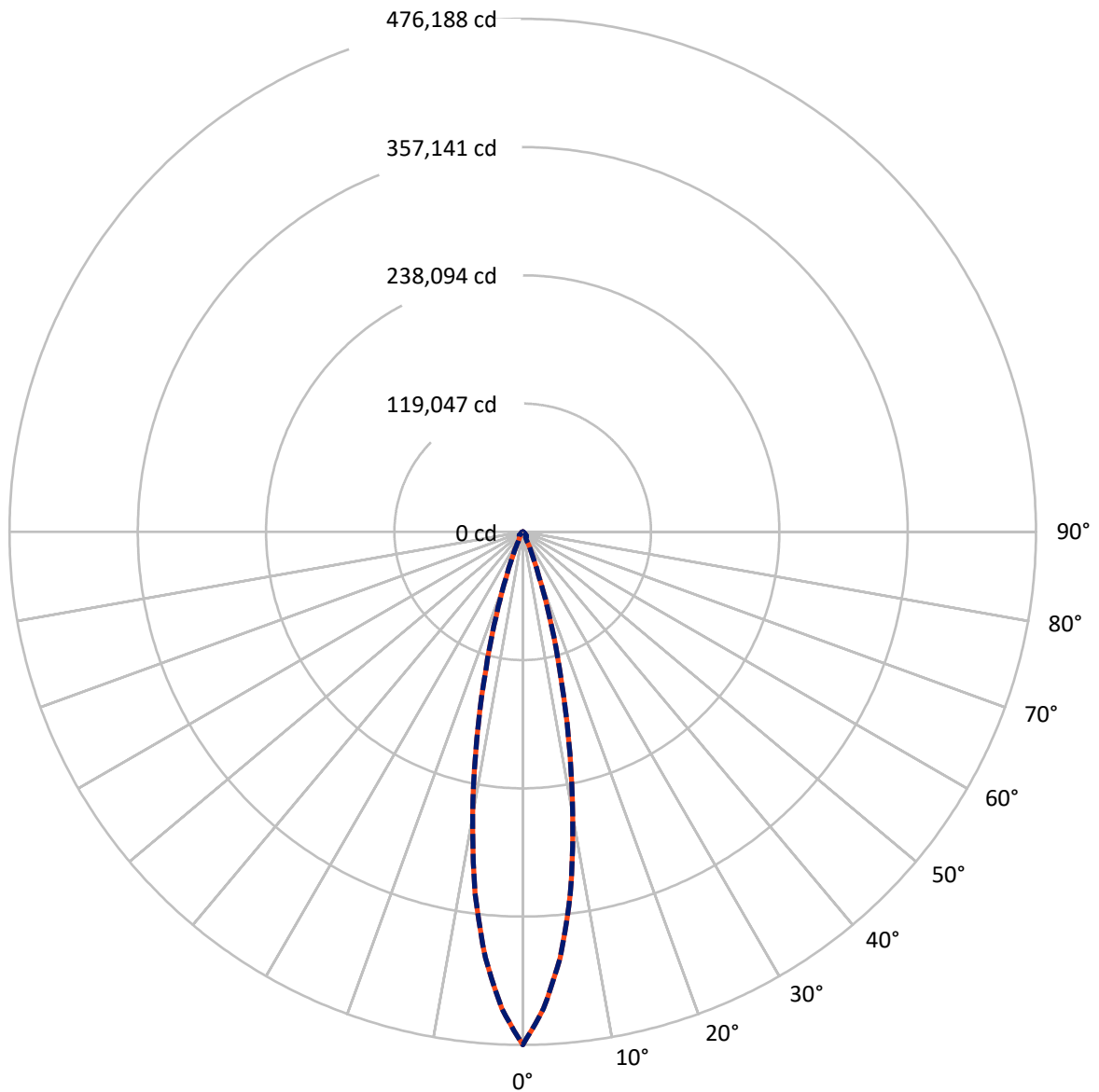
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Lumen Table

90	0.1	0.9	3.0	7.5	10.0	7.5	3.0	0.9	0.1							
80	0.1	0.9	3.0	7.5	10.0	7.5	3.0	0.9	0.1							
70	0.4	0.5	1.8	5.4	10.7	16.5	21.3	23.9	23.9	21.3	16.5	10.7	5.4	1.8	0.5	0.4
60		1.3	6.3	15.3	26.4	36.7	43.7	47.3	47.3	43.7	36.7	26.4	15.3	6.3	1.3	
50	1.0	3.3	12.5	26.5	40.3	65.4	100.1	119.9	119.9	100.1	65.4	40.3	26.5	12.5	3.3	1.0
40		5.7	18.6	34.9	77.1	132.3	155.0	163.0	163.0	155.0	132.3	77.1	34.9	18.6	5.7	
30	2.2	7.9	23.4	51.6	119.8	149.0	203.8	415.8	415.8	203.8	149.0	119.8	51.6	23.4	7.9	2.2
20		9.6	26.2	74.3	131.6	191.8	1213.2	3594.8	3594.8	1213.2	191.8	131.6	74.3	26.2	9.6	
10	2.8	10.5	27.4	86.1	134.1	383.3	3503.5	9853.0	9853.0	3503.5	383.3	134.1	86.1	27.4	10.5	2.8
0		10.5	27.4	86.1	134.1	383.3	3503.5	9853.0	9853.0	3503.5	383.3	134.1	86.1	27.4	10.5	
-10	2.2	9.6	26.2	74.3	131.6	191.8	1213.2	3594.8	3594.8	1213.2	191.8	131.6	74.3	26.2	9.6	2.2
-20		7.9	23.4	51.6	119.8	149.0	203.8	415.8	415.8	203.8	149.0	119.8	51.6	23.4	7.9	
-30	1.0	5.7	18.6	34.9	77.1	132.3	155.0	163.0	163.0	155.0	132.3	77.1	34.9	18.6	5.7	1.0
-40		3.3	12.5	26.5	40.3	65.4	100.1	119.9	119.9	100.1	65.4	40.3	26.5	12.5	3.3	
-50	0.4	1.3	6.3	15.3	26.4	36.7	43.7	47.3	47.3	43.7	36.7	26.4	15.3	6.3	1.3	0.4
-60		0.5	1.8	5.4	10.7	16.5	21.3	23.9	23.9	21.3	16.5	10.7	5.4	1.8	0.5	
-70	0.1	0.9	3.0	7.5	10.0	7.5	3.0	0.9	0.1							
-80		0.1	0.9	3.0	7.5	10.0	7.5	3.0	0.9	0.1						
-90	0.1	0.9	3.0	7.5	10.0	7.5	3.0	0.9	0.1							

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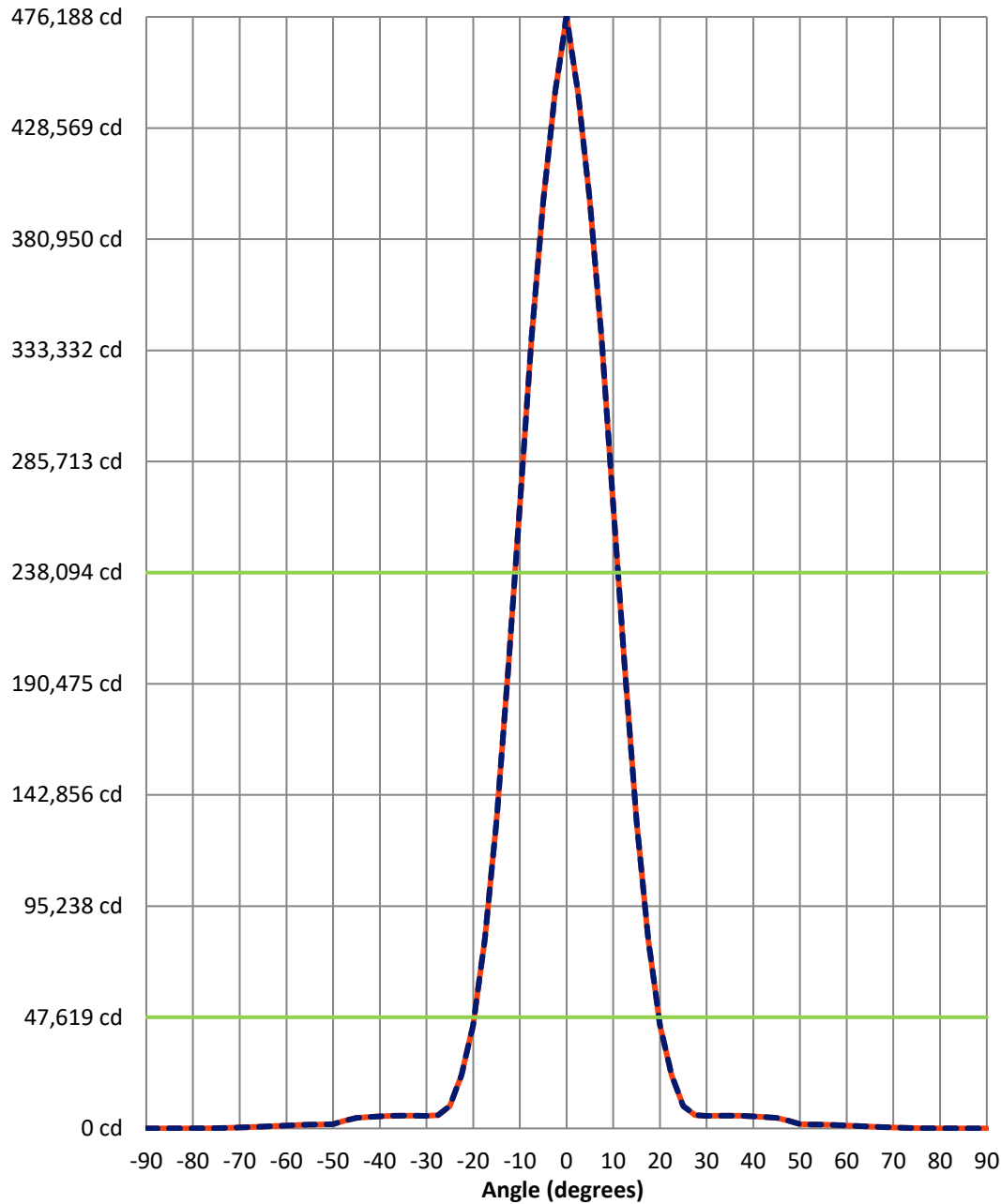
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22°
 V Angle: 22°
 Lumens: 37910.4
 Efficiency: 44.2%

Field:
 H Angle: 39.6°
 V Angle: 39.6°
 Lumens: 70408.6
 Efficiency: 82.1%

Spill:
 Lumens: 15367.8
 Efficiency: 17.9%

- 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	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.0	3.4	3.8
85°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.1	6.8	7.5
82.5°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.0	9.0	9.5	10.1
80°	0.0	1.5	3.1	4.6	6.2	7.7	9.0	9.8	10.5	11.2	11.9
77.5°	0.0	1.9	3.8	5.8	7.7	9.2	10.2	11.1	12.0	12.9	13.9
75°	0.0	2.3	4.6	6.9	9.0	10.2	11.3	12.4	13.5	14.9	16.4
72.5°	0.0	2.7	5.3	8.0	9.8	11.1	12.4	13.8	15.5	17.2	18.8
70°	0.0	3.0	6.1	9.0	10.5	12.0	13.5	15.5	17.4	19.4	22.6
67.5°	0.0	3.4	6.8	9.5	11.2	12.9	14.9	17.2	19.4	23.1	26.7
65°	0.0	3.8	7.5	10.1	11.9	13.9	16.4	18.8	22.6	26.7	31.7
62.5°	0.0	4.1	8.2	10.6	12.6	15.1	17.8	21.3	25.8	30.9	38.5
60°	0.0	4.4	8.9	11.1	13.3	16.2	19.1	24.0	29.0	36.9	45.3
57.5°	0.0	4.8	9.2	11.6	14.1	17.3	21.3	26.7	33.8	42.9	62.6
55°	0.0	5.1	9.5	12.1	15.0	18.4	23.6	29.3	39.0	51.8	84.5
52.5°	0.0	5.4	9.9	12.5	15.9	19.6	25.7	33.5	44.0	71.0	105.9
50°	0.0	5.7	10.2	13.0	16.7	21.3	27.9	37.8	52.3	89.6	148.3
47.5°	0.0	6.0	10.4	13.4	17.5	23.0	30.1	41.9	68.3	107.7	192.0
45°	0.0	6.3	10.7	14.0	18.2	24.7	33.5	45.8	83.7	145.0	234.1
42.5°	0.0	6.6	11.0	14.6	19.0	26.2	36.7	54.9	98.5	181.3	283.1
40°	0.0	6.8	11.2	15.1	19.9	27.7	39.8	67.3	118.1	216.1	331.4
37.5°	0.0	7.1	11.5	15.6	21.0	29.1	42.8	79.0	147.4	251.5	377.4
35°	0.0	7.3	11.7	16.0	22.1	31.1	45.6	90.1	175.1	290.6	422.0
32.5°	0.0	7.5	11.9	16.5	23.1	33.3	50.0	100.6	201.3	327.4	465.5
30°	0.0	7.7	12.1	16.9	24.0	35.3	58.4	113.1	225.7	362.0	506.2
27.5°	0.0	7.9	12.3	17.3	24.9	37.2	66.1	132.9	250.6	394.1	544.2
25°	0.0	8.1	12.5	17.6	25.7	38.9	73.3	151.1	276.7	424.7	579.5
22.5°	0.0	8.2	12.6	17.9	26.4	40.5	79.8	167.7	300.5	453.3	619.1
20°	0.0	8.4	12.8	18.2	27.1	42.0	85.7	182.7	322.0	479.0	654.9
17.5°	0.0	8.5	12.9	18.5	27.7	43.2	90.9	196.0	341.1	501.9	686.8
15°	0.0	8.6	13.0	18.7	28.2	44.3	95.4	207.6	357.8	521.8	714.6
12.5°	0.0	8.7	13.1	18.9	28.6	45.3	99.3	217.4	371.9	538.8	738.2
10°	0.0	8.8	13.2	19.0	29.0	46.0	102.4	225.5	383.6	552.7	757.7
7.5°	0.0	8.8	13.2	19.1	29.2	46.6	104.9	231.8	392.7	563.6	772.9
5°	0.0	8.9	13.3	19.2	29.4	47.1	106.7	236.4	399.2	571.4	783.8
2.5°	0.0	8.9	13.3	19.3	29.6	47.3	107.7	239.1	403.1	576.1	790.3
0°	0.0	8.9	13.3	19.3	29.6	47.4	108.1	240.0	404.4	577.7	792.5
-2.5°	0.0	8.9	13.3	19.3	29.6	47.3	107.7	239.1	403.1	576.1	790.3
-5°	0.0	8.9	13.3	19.2	29.4	47.1	106.7	236.4	399.2	571.4	783.8
-7.5°	0.0	8.8	13.2	19.1	29.2	46.6	104.9	231.8	392.7	563.6	772.9
-10°	0.0	8.8	13.2	19.0	29.0	46.0	102.4	225.5	383.6	552.7	757.7
-12.5°	0.0	8.7	13.1	18.9	28.6	45.3	99.3	217.4	371.9	538.8	738.2
-15°	0.0	8.6	13.0	18.7	28.2	44.3	95.4	207.6	357.8	521.8	714.6
-17.5°	0.0	8.5	12.9	18.5	27.7	43.2	90.9	196.0	341.1	501.9	686.8
-20°	0.0	8.4	12.8	18.2	27.1	42.0	85.7	182.7	322.0	479.0	654.9



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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	8.2	12.6	17.9	26.4	40.5	79.8	167.7	300.5	453.3	619.1
-25°	0.0	8.1	12.5	17.6	25.7	38.9	73.3	151.1	276.7	424.7	579.5
-27.5°	0.0	7.9	12.3	17.3	24.9	37.2	66.1	132.9	250.6	394.1	544.2
-30°	0.0	7.7	12.1	16.9	24.0	35.3	58.4	113.1	225.7	362.0	506.2
-32.5°	0.0	7.5	11.9	16.5	23.1	33.3	50.0	100.6	201.3	327.4	465.5
-35°	0.0	7.3	11.7	16.0	22.1	31.1	45.6	90.1	175.1	290.6	422.0
-37.5°	0.0	7.1	11.5	15.6	21.0	29.1	42.8	79.0	147.4	251.5	377.4
-40°	0.0	6.8	11.2	15.1	19.9	27.7	39.8	67.3	118.1	216.1	331.4
-42.5°	0.0	6.6	11.0	14.6	19.0	26.2	36.7	54.9	98.5	181.3	283.1
-45°	0.0	6.3	10.7	14.0	18.2	24.7	33.5	45.8	83.7	145.0	234.1
-47.5°	0.0	6.0	10.4	13.4	17.5	23.0	30.1	41.9	68.3	107.7	192.0
-50°	0.0	5.7	10.2	13.0	16.7	21.3	27.9	37.8	52.3	89.6	148.3
-52.5°	0.0	5.4	9.9	12.5	15.9	19.6	25.7	33.5	44.0	71.0	105.9
-55°	0.0	5.1	9.5	12.1	15.0	18.4	23.6	29.3	39.0	51.8	84.5
-57.5°	0.0	4.8	9.2	11.6	14.1	17.3	21.3	26.7	33.8	42.9	62.6
-60°	0.0	4.4	8.9	11.1	13.3	16.2	19.1	24.0	29.0	36.9	45.3
-62.5°	0.0	4.1	8.2	10.6	12.6	15.1	17.8	21.3	25.8	30.9	38.5
-65°	0.0	3.8	7.5	10.1	11.9	13.9	16.4	18.8	22.6	26.7	31.7
-67.5°	0.0	3.4	6.8	9.5	11.2	12.9	14.9	17.2	19.4	23.1	26.7
-70°	0.0	3.0	6.1	9.0	10.5	12.0	13.5	15.5	17.4	19.4	22.6
-72.5°	0.0	2.7	5.3	8.0	9.8	11.1	12.4	13.8	15.5	17.2	18.8
-75°	0.0	2.3	4.6	6.9	9.0	10.2	11.3	12.4	13.5	14.9	16.4
-77.5°	0.0	1.9	3.8	5.8	7.7	9.2	10.2	11.1	12.0	12.9	13.9
-80°	0.0	1.5	3.1	4.6	6.2	7.7	9.0	9.8	10.5	11.2	11.9
-82.5°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.0	9.0	9.5	10.1
-85°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.1	6.8	7.5
-87.5°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-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):

	-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°	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.8	7.1
85°	8.2	8.9	9.2	9.5	9.9	10.2	10.4	10.7	11.0	11.2	11.5
82.5°	10.6	11.1	11.6	12.1	12.5	13.0	13.4	14.0	14.6	15.1	15.6
80°	12.6	13.3	14.1	15.0	15.9	16.7	17.5	18.2	19.0	19.9	21.0
77.5°	15.1	16.2	17.3	18.4	19.6	21.3	23.0	24.7	26.2	27.7	29.1
75°	17.8	19.1	21.3	23.6	25.7	27.9	30.1	33.5	36.7	39.8	42.8
72.5°	21.3	24.0	26.7	29.3	33.5	37.8	41.9	45.8	54.9	67.3	79.0
70°	25.8	29.0	33.8	39.0	44.0	52.3	68.3	83.7	98.5	118.1	147.4
67.5°	30.9	36.9	42.9	51.8	71.0	89.6	107.7	145.0	181.3	216.1	251.5
65°	38.5	45.3	62.6	84.5	105.9	148.3	192.0	234.1	283.1	331.4	377.4
62.5°	46.1	68.0	92.7	127.0	178.0	227.6	284.5	342.4	398.1	454.0	507.6
60°	68.0	95.4	138.9	196.0	254.5	322.0	387.5	453.3	517.5	579.5	652.5
57.5°	92.7	138.9	202.0	269.6	344.7	418.6	493.4	565.9	649.6	732.8	813.2
55°	127.0	196.0	269.6	352.3	434.7	517.7	603.4	700.3	794.0	887.8	977.6
52.5°	178.0	254.5	344.7	434.7	525.9	623.7	731.1	836.9	941.8	1041.7	1134.7
50°	227.6	322.0	418.6	517.7	623.7	741.3	858.6	974.5	1084.0	1187.9	1292.1
47.5°	284.5	387.5	493.4	603.4	731.1	858.6	985.5	1105.2	1220.2	1338.9	1453.8
45°	342.4	453.3	565.9	700.3	836.9	974.5	1105.2	1231.0	1362.4	1481.3	1566.9
42.5°	398.1	517.5	649.6	794.0	941.8	1084.0	1220.2	1362.4	1489.7	1584.0	1638.6
40°	454.0	579.5	732.8	887.8	1041.7	1187.9	1338.9	1481.3	1584.0	1641.2	1669.5
37.5°	507.6	652.5	813.2	977.6	1134.7	1292.1	1453.8	1566.9	1638.6	1669.5	1777.1
35°	558.6	721.9	892.0	1061.2	1223.4	1394.8	1533.2	1631.0	1664.3	1767.3	2160.1
32.5°	613.7	787.5	966.6	1139.1	1313.5	1483.3	1606.4	1654.0	1737.8	1992.0	3021.7
30°	669.7	851.5	1036.0	1212.4	1398.9	1547.7	1638.8	1689.3	1824.6	2764.6	3745.7
27.5°	721.9	911.3	1098.9	1284.8	1473.9	1608.1	1657.9	1765.7	2342.0	3461.8	4379.7
25°	770.1	966.6	1157.2	1353.1	1525.7	1635.5	1688.9	1837.0	2980.7	4018.4	4649.2
22.5°	815.0	1017.3	1210.6	1415.9	1573.4	1650.6	1749.9	2311.3	3524.0	4517.9	4814.3
20°	856.5	1061.2	1261.0	1469.5	1616.6	1664.4	1805.5	2811.9	3963.0	4658.8	4949.9
17.5°	893.4	1100.4	1307.4	1504.9	1632.8	1692.7	1914.7	3261.4	4358.2	4786.0	5064.9
15°	925.7	1134.7	1347.9	1536.0	1642.8	1733.0	2279.6	3593.5	4569.1	4893.2	5166.3
12.5°	953.1	1163.9	1382.5	1562.5	1651.3	1767.5	2592.3	3869.5	4658.3	4974.3	5238.2
10°	975.7	1187.9	1411.0	1584.3	1658.3	1796.0	2850.8	4098.1	4732.3	5041.7	5298.0
7.5°	993.4	1206.7	1433.3	1601.4	1663.8	1818.3	3053.6	4277.6	4790.5	5094.8	5345.3
5°	1006.0	1220.2	1449.3	1613.7	1667.7	1834.3	3199.5	4406.8	4832.4	5133.0	5379.4
2.5°	1013.7	1228.3	1458.9	1621.0	1670.1	1844.0	3287.3	4484.7	4857.7	5156.2	5400.0
0°	1016.2	1231.0	1462.1	1623.5	1670.9	1847.2	3316.7	4510.7	4866.2	5163.9	5406.9
-2.5°	1013.7	1228.3	1458.9	1621.0	1670.1	1844.0	3287.3	4484.7	4857.7	5156.2	5400.0
-5°	1006.0	1220.2	1449.3	1613.7	1667.7	1834.3	3199.5	4406.8	4832.4	5133.0	5379.4
-7.5°	993.4	1206.7	1433.3	1601.4	1663.8	1818.3	3053.6	4277.6	4790.5	5094.8	5345.3
-10°	975.7	1187.9	1411.0	1584.3	1658.3	1796.0	2850.8	4098.1	4732.3	5041.7	5298.0
-12.5°	953.1	1163.9	1382.5	1562.5	1651.3	1767.5	2592.3	3869.5	4658.3	4974.3	5238.2
-15°	925.7	1134.7	1347.9	1536.0	1642.8	1733.0	2279.6	3593.5	4569.1	4893.2	5166.3
-17.5°	893.4	1100.4	1307.4	1504.9	1632.8	1692.7	1914.7	3261.4	4358.2	4786.0	5064.9
-20°	856.5	1061.2	1261.0	1469.5	1616.6	1664.4	1805.5	2811.9	3963.0	4658.8	4949.9



REPORT NUMBER: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	815.0	1017.3	1210.6	1415.9	1573.4	1650.6	1749.9	2311.3	3524.0	4517.9	4814.3
-25°	770.1	966.6	1157.2	1353.1	1525.7	1635.5	1688.9	1837.0	2980.7	4018.4	4649.2
-27.5°	721.9	911.3	1098.9	1284.8	1473.9	1608.1	1657.9	1765.7	2342.0	3461.8	4379.7
-30°	669.7	851.5	1036.0	1212.4	1398.9	1547.7	1638.8	1689.3	1824.6	2764.6	3745.7
-32.5°	613.7	787.5	966.6	1139.1	1313.5	1483.3	1606.4	1654.0	1737.8	1992.0	3021.7
-35°	558.6	721.9	892.0	1061.2	1223.4	1394.8	1533.2	1631.0	1664.3	1767.3	2160.1
-37.5°	507.6	652.5	813.2	977.6	1134.7	1292.1	1453.8	1566.9	1638.6	1669.5	1777.1
-40°	454.0	579.5	732.8	887.8	1041.7	1187.9	1338.9	1481.3	1584.0	1641.2	1669.5
-42.5°	398.1	517.5	649.6	794.0	941.8	1084.0	1220.2	1362.4	1489.7	1584.0	1638.6
-45°	342.4	453.3	565.9	700.3	836.9	974.5	1105.2	1231.0	1362.4	1481.3	1566.9
-47.5°	284.5	387.5	493.4	603.4	731.1	858.6	985.5	1105.2	1220.2	1338.9	1453.8
-50°	227.6	322.0	418.6	517.7	623.7	741.3	858.6	974.5	1084.0	1187.9	1292.1
-52.5°	178.0	254.5	344.7	434.7	525.9	623.7	731.1	836.9	941.8	1041.7	1134.7
-55°	127.0	196.0	269.6	352.3	434.7	517.7	603.4	700.3	794.0	887.8	977.6
-57.5°	92.7	138.9	202.0	269.6	344.7	418.6	493.4	565.9	649.6	732.8	813.2
-60°	68.0	95.4	138.9	196.0	254.5	322.0	387.5	453.3	517.5	579.5	652.5
-62.5°	46.1	68.0	92.7	127.0	178.0	227.6	284.5	342.4	398.1	454.0	507.6
-65°	38.5	45.3	62.6	84.5	105.9	148.3	192.0	234.1	283.1	331.4	377.4
-67.5°	30.9	36.9	42.9	51.8	71.0	89.6	107.7	145.0	181.3	216.1	251.5
-70°	25.8	29.0	33.8	39.0	44.0	52.3	68.3	83.7	98.5	118.1	147.4
-72.5°	21.3	24.0	26.7	29.3	33.5	37.8	41.9	45.8	54.9	67.3	79.0
-75°	17.8	19.1	21.3	23.6	25.7	27.9	30.1	33.5	36.7	39.8	42.8
-77.5°	15.1	16.2	17.3	18.4	19.6	21.3	23.0	24.7	26.2	27.7	29.1
-80°	12.6	13.3	14.1	15.0	15.9	16.7	17.5	18.2	19.0	19.9	21.0
-82.5°	10.6	11.1	11.6	12.1	12.5	13.0	13.4	14.0	14.6	15.1	15.6
-85°	8.2	8.9	9.2	9.5	9.9	10.2	10.4	10.7	11.0	11.2	11.5
-87.5°	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.8	7.1
-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: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.6	8.7	8.8
85°	11.7	11.9	12.1	12.3	12.5	12.6	12.8	12.9	13.0	13.1	13.2
82.5°	16.0	16.5	16.9	17.3	17.6	17.9	18.2	18.5	18.7	18.9	19.0
80°	22.1	23.1	24.0	24.9	25.7	26.4	27.1	27.7	28.2	28.6	29.0
77.5°	31.1	33.3	35.3	37.2	38.9	40.5	42.0	43.2	44.3	45.3	46.0
75°	45.6	50.0	58.4	66.1	73.3	79.8	85.7	90.9	95.4	99.3	102.4
72.5°	90.1	100.6	113.1	132.9	151.1	167.7	182.7	196.0	207.6	217.4	225.5
70°	175.1	201.3	225.7	250.6	276.7	300.5	322.0	341.1	357.8	371.9	383.6
67.5°	290.6	327.4	362.0	394.1	424.7	453.3	479.0	501.9	521.8	538.8	552.7
65°	422.0	465.5	506.2	544.2	579.5	619.1	654.9	686.8	714.6	738.2	757.7
62.5°	558.6	613.7	669.7	721.9	770.1	815.0	856.5	893.4	925.7	953.1	975.7
60°	721.9	787.5	851.5	911.3	966.6	1017.3	1061.2	1100.4	1134.7	1163.9	1187.9
57.5°	892.0	966.6	1036.0	1098.9	1157.2	1210.6	1261.0	1307.4	1347.9	1382.5	1411.0
55°	1061.2	1139.1	1212.4	1284.8	1353.1	1415.9	1469.5	1504.9	1536.0	1562.5	1584.3
52.5°	1223.4	1313.5	1398.9	1473.9	1525.7	1573.4	1616.6	1632.8	1642.8	1651.3	1658.3
50°	1394.8	1483.3	1547.7	1608.1	1635.5	1650.6	1664.4	1692.7	1733.0	1767.5	1796.0
47.5°	1533.2	1606.4	1638.8	1657.9	1688.9	1749.9	1805.5	1914.7	2279.6	2592.3	2850.8
45°	1631.0	1654.0	1689.3	1765.7	1837.0	2311.3	2811.9	3261.4	3593.5	3869.5	4098.1
42.5°	1664.3	1737.8	1824.6	2342.0	2980.7	3524.0	3963.0	4358.2	4569.1	4658.3	4732.3
40°	1767.3	1992.0	2764.6	3461.8	4018.4	4517.9	4658.8	4786.0	4893.2	4974.3	5041.7
37.5°	2160.1	3021.7	3745.7	4379.7	4649.2	4814.3	4949.9	5064.9	5166.3	5238.2	5298.0
35°	3108.1	3889.2	4537.2	4738.5	4918.2	5066.6	5196.1	5297.5	5387.6	5418.7	5431.8
32.5°	3889.2	4559.3	4783.7	4976.4	5146.2	5279.2	5399.4	5427.4	5447.1	5454.8	5453.0
30°	4537.2	4783.7	4996.0	5182.4	5330.1	5419.4	5445.4	5454.2	5451.5	5441.9	5414.0
27.5°	4738.5	4976.4	5182.4	5347.3	5426.6	5455.7	5452.3	5440.2	5398.8	5362.6	5483.9
25°	4918.2	5146.2	5330.1	5426.6	5455.3	5451.3	5418.6	5369.0	5515.0	5673.0	6793.8
22.5°	5066.6	5279.2	5419.4	5455.7	5451.3	5411.3	5396.6	5610.0	6766.1	8706.5	12175.0
20°	5196.1	5399.4	5445.4	5452.3	5418.6	5396.6	5642.2	7525.9	10596.5	17831.2	24847.3
17.5°	5297.5	5427.4	5454.2	5440.2	5369.0	5610.0	7525.9	11979.4	20763.5	32402.7	43717.5
15°	5387.6	5447.1	5451.5	5398.8	5515.0	6766.1	10596.5	20763.5	34994.2	52699.8	74254.5
12.5°	5418.7	5454.8	5441.9	5362.6	5673.0	8706.5	17831.2	32402.7	52699.8	79489.7	112294.9
10°	5431.8	5453.0	5414.0	5483.9	6793.8	12175.0	24847.3	43717.5	74254.5	112294.9	153361.8
7.5°	5442.2	5451.6	5391.7	5581.5	8002.8	16735.4	33139.2	59156.8	96616.7	142685.6	197195.8
5°	5449.7	5450.6	5375.5	5652.7	8888.9	20097.5	39299.7	71102.2	115631.0	170653.6	234223.0
2.5°	5454.3	5450.0	5365.7	5696.0	9430.3	22160.1	43101.0	78533.8	127602.9	189759.0	258365.9
0°	5455.8	5449.8	5362.4	5710.6	9612.4	22855.6	44386.8	81058.8	131698.4	196555.9	266832.0
-2.5°	5454.3	5450.0	5365.7	5696.0	9430.3	22160.1	43101.0	78533.8	127602.9	189759.0	258365.9
-5°	5449.7	5450.6	5375.5	5652.7	8888.9	20097.5	39299.7	71102.2	115631.0	170653.6	234223.0
-7.5°	5442.2	5451.6	5391.7	5581.5	8002.8	16735.4	33139.2	59156.8	96616.7	142685.6	197195.8
-10°	5431.8	5453.0	5414.0	5483.9	6793.8	12175.0	24847.3	43717.5	74254.5	112294.9	153361.8
-12.5°	5418.7	5454.8	5441.9	5362.6	5673.0	8706.5	17831.2	32402.7	52699.8	79489.7	112294.9
-15°	5387.6	5447.1	5451.5	5398.8	5515.0	6766.1	10596.5	20763.5	34994.2	52699.8	74254.5
-17.5°	5297.5	5427.4	5454.2	5440.2	5369.0	5610.0	7525.9	11979.4	20763.5	32402.7	43717.5
-20°	5196.1	5399.4	5445.4	5452.3	5418.6	5396.6	5642.2	7525.9	10596.5	17831.2	24847.3



REPORT NUMBER: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5066.6	5279.2	5419.4	5455.7	5451.3	5411.3	5396.6	5610.0	6766.1	8706.5	12175.0
-25°	4918.2	5146.2	5330.1	5426.6	5455.3	5451.3	5418.6	5369.0	5515.0	5673.0	6793.8
-27.5°	4738.5	4976.4	5182.4	5347.3	5426.6	5455.7	5452.3	5440.2	5398.8	5362.6	5483.9
-30°	4537.2	4783.7	4996.0	5182.4	5330.1	5419.4	5445.4	5454.2	5451.5	5441.9	5414.0
-32.5°	3889.2	4559.3	4783.7	4976.4	5146.2	5279.2	5399.4	5427.4	5447.1	5454.8	5453.0
-35°	3108.1	3889.2	4537.2	4738.5	4918.2	5066.6	5196.1	5297.5	5387.6	5418.7	5431.8
-37.5°	2160.1	3021.7	3745.7	4379.7	4649.2	4814.3	4949.9	5064.9	5166.3	5238.2	5298.0
-40°	1767.3	1992.0	2764.6	3461.8	4018.4	4517.9	4658.8	4786.0	4893.2	4974.3	5041.7
-42.5°	1664.3	1737.8	1824.6	2342.0	2980.7	3524.0	3963.0	4358.2	4569.1	4658.3	4732.3
-45°	1631.0	1654.0	1689.3	1765.7	1837.0	2311.3	2811.9	3261.4	3593.5	3869.5	4098.1
-47.5°	1533.2	1606.4	1638.8	1657.9	1688.9	1749.9	1805.5	1914.7	2279.6	2592.3	2850.8
-50°	1394.8	1483.3	1547.7	1608.1	1635.5	1650.6	1664.4	1692.7	1733.0	1767.5	1796.0
-52.5°	1223.4	1313.5	1398.9	1473.9	1525.7	1573.4	1616.6	1632.8	1642.8	1651.3	1658.3
-55°	1061.2	1139.1	1212.4	1284.8	1353.1	1415.9	1469.5	1504.9	1536.0	1562.5	1584.3
-57.5°	892.0	966.6	1036.0	1098.9	1157.2	1210.6	1261.0	1307.4	1347.9	1382.5	1411.0
-60°	721.9	787.5	851.5	911.3	966.6	1017.3	1061.2	1100.4	1134.7	1163.9	1187.9
-62.5°	558.6	613.7	669.7	721.9	770.1	815.0	856.5	893.4	925.7	953.1	975.7
-65°	422.0	465.5	506.2	544.2	579.5	619.1	654.9	686.8	714.6	738.2	757.7
-67.5°	290.6	327.4	362.0	394.1	424.7	453.3	479.0	501.9	521.8	538.8	552.7
-70°	175.1	201.3	225.7	250.6	276.7	300.5	322.0	341.1	357.8	371.9	383.6
-72.5°	90.1	100.6	113.1	132.9	151.1	167.7	182.7	196.0	207.6	217.4	225.5
-75°	45.6	50.0	58.4	66.1	73.3	79.8	85.7	90.9	95.4	99.3	102.4
-77.5°	31.1	33.3	35.3	37.2	38.9	40.5	42.0	43.2	44.3	45.3	46.0
-80°	22.1	23.1	24.0	24.9	25.7	26.4	27.1	27.7	28.2	28.6	29.0
-82.5°	16.0	16.5	16.9	17.3	17.6	17.9	18.2	18.5	18.7	18.9	19.0
-85°	11.7	11.9	12.1	12.3	12.5	12.6	12.8	12.9	13.0	13.1	13.2
-87.5°	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.6	8.7	8.8
-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: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-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°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
85°	13.2	13.3	13.3	13.3	13.3	13.3	13.2	13.2	13.1	13.0	12.9
82.5°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	19.0	18.9	18.7	18.5
80°	29.2	29.4	29.6	29.6	29.6	29.4	29.2	29.0	28.6	28.2	27.7
77.5°	46.6	47.1	47.3	47.4	47.3	47.1	46.6	46.0	45.3	44.3	43.2
75°	104.9	106.7	107.7	108.1	107.7	106.7	104.9	102.4	99.3	95.4	90.9
72.5°	231.8	236.4	239.1	240.0	239.1	236.4	231.8	225.5	217.4	207.6	196.0
70°	392.7	399.2	403.1	404.4	403.1	399.2	392.7	383.6	371.9	357.8	341.1
67.5°	563.6	571.4	576.1	577.7	576.1	571.4	563.6	552.7	538.8	521.8	501.9
65°	772.9	783.8	790.3	792.5	790.3	783.8	772.9	757.7	738.2	714.6	686.8
62.5°	993.4	1006.0	1013.7	1016.2	1013.7	1006.0	993.4	975.7	953.1	925.7	893.4
60°	1206.7	1220.2	1228.3	1231.0	1228.3	1220.2	1206.7	1187.9	1163.9	1134.7	1100.4
57.5°	1433.3	1449.3	1458.9	1462.1	1458.9	1449.3	1433.3	1411.0	1382.5	1347.9	1307.4
55°	1601.4	1613.7	1621.0	1623.5	1621.0	1613.7	1601.4	1584.3	1562.5	1536.0	1504.9
52.5°	1663.8	1667.7	1670.1	1670.9	1670.1	1667.7	1663.8	1658.3	1651.3	1642.8	1632.8
50°	1818.3	1834.3	1844.0	1847.2	1844.0	1834.3	1818.3	1796.0	1767.5	1733.0	1692.7
47.5°	3053.6	3199.5	3287.3	3316.7	3287.3	3199.5	3053.6	2850.8	2592.3	2279.6	1914.7
45°	4277.6	4406.8	4484.7	4510.7	4484.7	4406.8	4277.6	4098.1	3869.5	3593.5	3261.4
42.5°	4790.5	4832.4	4857.7	4866.2	4857.7	4832.4	4790.5	4732.3	4658.3	4569.1	4358.2
40°	5094.8	5133.0	5156.2	5163.9	5156.2	5133.0	5094.8	5041.7	4974.3	4893.2	4786.0
37.5°	5345.3	5379.4	5400.0	5406.9	5400.0	5379.4	5345.3	5298.0	5238.2	5166.3	5064.9
35°	5442.2	5449.7	5454.3	5455.8	5454.3	5449.7	5442.2	5431.8	5418.7	5387.6	5297.5
32.5°	5451.6	5450.6	5450.0	5449.8	5450.0	5450.6	5451.6	5453.0	5454.8	5447.1	5427.4
30°	5391.7	5375.5	5365.7	5362.4	5365.7	5375.5	5391.7	5414.0	5441.9	5451.5	5454.2
27.5°	5581.5	5652.7	5696.0	5710.6	5696.0	5652.7	5581.5	5483.9	5362.6	5398.8	5440.2
25°	8002.8	8888.9	9430.3	9612.4	9430.3	8888.9	8002.8	6793.8	5673.0	5515.0	5369.0
22.5°	16735.4	20097.5	22160.1	22855.6	22160.1	20097.5	16735.4	12175.0	8706.5	6766.1	5610.0
20°	33139.2	39299.7	43101.0	44386.8	43101.0	39299.7	33139.2	24847.3	17831.2	10596.5	7525.9
17.5°	59156.8	71102.2	78533.8	81058.8	78533.8	71102.2	59156.8	43717.5	32402.7	20763.5	11979.4
15°	96616.7	115631.0	127602.9	131698.4	127602.9	115631.0	96616.7	74254.5	52699.8	34994.2	20763.5
12.5°	142685.6	170653.6	189759.0	196555.9	189759.0	170653.6	142685.6	112294.9	79489.7	52699.8	32402.7
10°	197195.8	234223.0	258365.9	266832.0	258365.9	234223.0	197195.8	153361.8	112294.9	74254.5	43717.5
7.5°	250398.5	294358.2	326783.6	338519.2	326783.6	294358.2	250398.5	197195.8	142685.6	96616.7	59156.8
5°	294358.2	351127.1	385935.1	396938.0	385935.1	351127.1	294358.2	234223.0	170653.6	115631.0	71102.2
2.5°	326783.6	385935.1	423561.9	443072.1	423561.9	385935.1	326783.6	258365.9	189759.0	127602.9	78533.8
0°	338519.2	396938.0	443072.1	476188.1	443072.1	396938.0	338519.2	266832.0	196555.9	131698.4	81058.8
-2.5°	326783.6	385935.1	423561.9	443072.1	423561.9	385935.1	326783.6	258365.9	189759.0	127602.9	78533.8
-5°	294358.2	351127.1	385935.1	396938.0	385935.1	351127.1	294358.2	234223.0	170653.6	115631.0	71102.2
-7.5°	250398.5	294358.2	326783.6	338519.2	326783.6	294358.2	250398.5	197195.8	142685.6	96616.7	59156.8
-10°	197195.8	234223.0	258365.9	266832.0	258365.9	234223.0	197195.8	153361.8	112294.9	74254.5	43717.5
-12.5°	142685.6	170653.6	189759.0	196555.9	189759.0	170653.6	142685.6	112294.9	79489.7	52699.8	32402.7
-15°	96616.7	115631.0	127602.9	131698.4	127602.9	115631.0	96616.7	74254.5	52699.8	34994.2	20763.5
-17.5°	59156.8	71102.2	78533.8	81058.8	78533.8	71102.2	59156.8	43717.5	32402.7	20763.5	11979.4
-20°	33139.2	39299.7	43101.0	44386.8	43101.0	39299.7	33139.2	24847.3	17831.2	10596.5	7525.9



REPORT NUMBER: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16735.4	20097.5	22160.1	22855.6	22160.1	20097.5	16735.4	12175.0	8706.5	6766.1	5610.0
-25°	8002.8	8888.9	9430.3	9612.4	9430.3	8888.9	8002.8	6793.8	5673.0	5515.0	5369.0
-27.5°	5581.5	5652.7	5696.0	5710.6	5696.0	5652.7	5581.5	5483.9	5362.6	5398.8	5440.2
-30°	5391.7	5375.5	5365.7	5362.4	5365.7	5375.5	5391.7	5414.0	5441.9	5451.5	5454.2
-32.5°	5451.6	5450.6	5450.0	5449.8	5450.0	5450.6	5451.6	5453.0	5454.8	5447.1	5427.4
-35°	5442.2	5449.7	5454.3	5455.8	5454.3	5449.7	5442.2	5431.8	5418.7	5387.6	5297.5
-37.5°	5345.3	5379.4	5400.0	5406.9	5400.0	5379.4	5345.3	5298.0	5238.2	5166.3	5064.9
-40°	5094.8	5133.0	5156.2	5163.9	5156.2	5133.0	5094.8	5041.7	4974.3	4893.2	4786.0
-42.5°	4790.5	4832.4	4857.7	4866.2	4857.7	4832.4	4790.5	4732.3	4658.3	4569.1	4358.2
-45°	4277.6	4406.8	4484.7	4510.7	4484.7	4406.8	4277.6	4098.1	3869.5	3593.5	3261.4
-47.5°	3053.6	3199.5	3287.3	3316.7	3287.3	3199.5	3053.6	2850.8	2592.3	2279.6	1914.7
-50°	1818.3	1834.3	1844.0	1847.2	1844.0	1834.3	1818.3	1796.0	1767.5	1733.0	1692.7
-52.5°	1663.8	1667.7	1670.1	1670.9	1670.1	1667.7	1663.8	1658.3	1651.3	1642.8	1632.8
-55°	1601.4	1613.7	1621.0	1623.5	1621.0	1613.7	1601.4	1584.3	1562.5	1536.0	1504.9
-57.5°	1433.3	1449.3	1458.9	1462.1	1458.9	1449.3	1433.3	1411.0	1382.5	1347.9	1307.4
-60°	1206.7	1220.2	1228.3	1231.0	1228.3	1220.2	1206.7	1187.9	1163.9	1134.7	1100.4
-62.5°	993.4	1006.0	1013.7	1016.2	1013.7	1006.0	993.4	975.7	953.1	925.7	893.4
-65°	772.9	783.8	790.3	792.5	790.3	783.8	772.9	757.7	738.2	714.6	686.8
-67.5°	563.6	571.4	576.1	577.7	576.1	571.4	563.6	552.7	538.8	521.8	501.9
-70°	392.7	399.2	403.1	404.4	403.1	399.2	392.7	383.6	371.9	357.8	341.1
-72.5°	231.8	236.4	239.1	240.0	239.1	236.4	231.8	225.5	217.4	207.6	196.0
-75°	104.9	106.7	107.7	108.1	107.7	106.7	104.9	102.4	99.3	95.4	90.9
-77.5°	46.6	47.1	47.3	47.4	47.3	47.1	46.6	46.0	45.3	44.3	43.2
-80°	29.2	29.4	29.6	29.6	29.6	29.4	29.2	29.0	28.6	28.2	27.7
-82.5°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	19.0	18.9	18.7	18.5
-85°	13.2	13.3	13.3	13.3	13.3	13.3	13.2	13.2	13.1	13.0	12.9
-87.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
-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):

	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°	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3
85°	12.8	12.6	12.5	12.3	12.1	11.9	11.7	11.5	11.2	11.0	10.7
82.5°	18.2	17.9	17.6	17.3	16.9	16.5	16.0	15.6	15.1	14.6	14.0
80°	27.1	26.4	25.7	24.9	24.0	23.1	22.1	21.0	19.9	19.0	18.2
77.5°	42.0	40.5	38.9	37.2	35.3	33.3	31.1	29.1	27.7	26.2	24.7
75°	85.7	79.8	73.3	66.1	58.4	50.0	45.6	42.8	39.8	36.7	33.5
72.5°	182.7	167.7	151.1	132.9	113.1	100.6	90.1	79.0	67.3	54.9	45.8
70°	322.0	300.5	276.7	250.6	225.7	201.3	175.1	147.4	118.1	98.5	83.7
67.5°	479.0	453.3	424.7	394.1	362.0	327.4	290.6	251.5	216.1	181.3	145.0
65°	654.9	619.1	579.5	544.2	506.2	465.5	422.0	377.4	331.4	283.1	234.1
62.5°	856.5	815.0	770.1	721.9	669.7	613.7	558.6	507.6	454.0	398.1	342.4
60°	1061.2	1017.3	966.6	911.3	851.5	787.5	721.9	652.5	579.5	517.5	453.3
57.5°	1261.0	1210.6	1157.2	1098.9	1036.0	966.6	892.0	813.2	732.8	649.6	565.9
55°	1469.5	1415.9	1353.1	1284.8	1212.4	1139.1	1061.2	977.6	887.8	794.0	700.3
52.5°	1616.6	1573.4	1525.7	1473.9	1398.9	1313.5	1223.4	1134.7	1041.7	941.8	836.9
50°	1664.4	1650.6	1635.5	1608.1	1547.7	1483.3	1394.8	1292.1	1187.9	1084.0	974.5
47.5°	1805.5	1749.9	1688.9	1657.9	1638.8	1606.4	1533.2	1453.8	1338.9	1220.2	1105.2
45°	2811.9	2311.3	1837.0	1765.7	1689.3	1654.0	1631.0	1566.9	1481.3	1362.4	1231.0
42.5°	3963.0	3524.0	2980.7	2342.0	1824.6	1737.8	1664.3	1638.6	1584.0	1489.7	1362.4
40°	4658.8	4517.9	4018.4	3461.8	2764.6	1992.0	1767.3	1669.5	1641.2	1584.0	1481.3
37.5°	4949.9	4814.3	4649.2	4379.7	3745.7	3021.7	2160.1	1777.1	1669.5	1638.6	1566.9
35°	5196.1	5066.6	4918.2	4738.5	4537.2	3889.2	3108.1	2160.1	1767.3	1664.3	1631.0
32.5°	5399.4	5279.2	5146.2	4976.4	4783.7	4559.3	3889.2	3021.7	1992.0	1737.8	1654.0
30°	5445.4	5419.4	5330.1	5182.4	4996.0	4783.7	4537.2	3745.7	2764.6	1824.6	1689.3
27.5°	5452.3	5455.7	5426.6	5347.3	5182.4	4976.4	4738.5	4379.7	3461.8	2342.0	1765.7
25°	5418.6	5451.3	5455.3	5426.6	5330.1	5146.2	4918.2	4649.2	4018.4	2980.7	1837.0
22.5°	5396.6	5411.3	5451.3	5455.7	5419.4	5279.2	5066.6	4814.3	4517.9	3524.0	2311.3
20°	5642.2	5396.6	5418.6	5452.3	5445.4	5399.4	5196.1	4949.9	4658.8	3963.0	2811.9
17.5°	7525.9	5610.0	5369.0	5440.2	5454.2	5427.4	5297.5	5064.9	4786.0	4358.2	3261.4
15°	10596.5	6766.1	5515.0	5398.8	5451.5	5447.1	5387.6	5166.3	4893.2	4569.1	3593.5
12.5°	17831.2	8706.5	5673.0	5362.6	5441.9	5454.8	5418.7	5238.2	4974.3	4658.3	3869.5
10°	24847.3	12175.0	6793.8	5483.9	5414.0	5453.0	5431.8	5298.0	5041.7	4732.3	4098.1
7.5°	33139.2	16735.4	8002.8	5581.5	5391.7	5451.6	5442.2	5345.3	5094.8	4790.5	4277.6
5°	39299.7	20097.5	8888.9	5652.7	5375.5	5450.6	5449.7	5379.4	5133.0	4832.4	4406.8
2.5°	43101.0	22160.1	9430.3	5696.0	5365.7	5450.0	5454.3	5400.0	5156.2	4857.7	4484.7
0°	44386.8	22855.6	9612.4	5710.6	5362.4	5449.8	5455.8	5406.9	5163.9	4866.2	4510.7
-2.5°	43101.0	22160.1	9430.3	5696.0	5365.7	5450.0	5454.3	5400.0	5156.2	4857.7	4484.7
-5°	39299.7	20097.5	8888.9	5652.7	5375.5	5450.6	5449.7	5379.4	5133.0	4832.4	4406.8
-7.5°	33139.2	16735.4	8002.8	5581.5	5391.7	5451.6	5442.2	5345.3	5094.8	4790.5	4277.6
-10°	24847.3	12175.0	6793.8	5483.9	5414.0	5453.0	5431.8	5298.0	5041.7	4732.3	4098.1
-12.5°	17831.2	8706.5	5673.0	5362.6	5441.9	5454.8	5418.7	5238.2	4974.3	4658.3	3869.5
-15°	10596.5	6766.1	5515.0	5398.8	5451.5	5447.1	5387.6	5166.3	4893.2	4569.1	3593.5
-17.5°	7525.9	5610.0	5369.0	5440.2	5454.2	5427.4	5297.5	5064.9	4786.0	4358.2	3261.4
-20°	5642.2	5396.6	5418.6	5452.3	5445.4	5399.4	5196.1	4949.9	4658.8	3963.0	2811.9



REPORT NUMBER: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5396.6	5411.3	5451.3	5455.7	5419.4	5279.2	5066.6	4814.3	4517.9	3524.0	2311.3
-25°	5418.6	5451.3	5455.3	5426.6	5330.1	5146.2	4918.2	4649.2	4018.4	2980.7	1837.0
-27.5°	5452.3	5455.7	5426.6	5347.3	5182.4	4976.4	4738.5	4379.7	3461.8	2342.0	1765.7
-30°	5445.4	5419.4	5330.1	5182.4	4996.0	4783.7	4537.2	3745.7	2764.6	1824.6	1689.3
-32.5°	5399.4	5279.2	5146.2	4976.4	4783.7	4559.3	3889.2	3021.7	1992.0	1737.8	1654.0
-35°	5196.1	5066.6	4918.2	4738.5	4537.2	3889.2	3108.1	2160.1	1767.3	1664.3	1631.0
-37.5°	4949.9	4814.3	4649.2	4379.7	3745.7	3021.7	2160.1	1777.1	1669.5	1638.6	1566.9
-40°	4658.8	4517.9	4018.4	3461.8	2764.6	1992.0	1767.3	1669.5	1641.2	1584.0	1481.3
-42.5°	3963.0	3524.0	2980.7	2342.0	1824.6	1737.8	1664.3	1638.6	1584.0	1489.7	1362.4
-45°	2811.9	2311.3	1837.0	1765.7	1689.3	1654.0	1631.0	1566.9	1481.3	1362.4	1231.0
-47.5°	1805.5	1749.9	1688.9	1657.9	1638.8	1606.4	1533.2	1453.8	1338.9	1220.2	1105.2
-50°	1664.4	1650.6	1635.5	1608.1	1547.7	1483.3	1394.8	1292.1	1187.9	1084.0	974.5
-52.5°	1616.6	1573.4	1525.7	1473.9	1398.9	1313.5	1223.4	1134.7	1041.7	941.8	836.9
-55°	1469.5	1415.9	1353.1	1284.8	1212.4	1139.1	1061.2	977.6	887.8	794.0	700.3
-57.5°	1261.0	1210.6	1157.2	1098.9	1036.0	966.6	892.0	813.2	732.8	649.6	565.9
-60°	1061.2	1017.3	966.6	911.3	851.5	787.5	721.9	652.5	579.5	517.5	453.3
-62.5°	856.5	815.0	770.1	721.9	669.7	613.7	558.6	507.6	454.0	398.1	342.4
-65°	654.9	619.1	579.5	544.2	506.2	465.5	422.0	377.4	331.4	283.1	234.1
-67.5°	479.0	453.3	424.7	394.1	362.0	327.4	290.6	251.5	216.1	181.3	145.0
-70°	322.0	300.5	276.7	250.6	225.7	201.3	175.1	147.4	118.1	98.5	83.7
-72.5°	182.7	167.7	151.1	132.9	113.1	100.6	90.1	79.0	67.3	54.9	45.8
-75°	85.7	79.8	73.3	66.1	58.4	50.0	45.6	42.8	39.8	36.7	33.5
-77.5°	42.0	40.5	38.9	37.2	35.3	33.3	31.1	29.1	27.7	26.2	24.7
-80°	27.1	26.4	25.7	24.9	24.0	23.1	22.1	21.0	19.9	19.0	18.2
-82.5°	18.2	17.9	17.6	17.3	16.9	16.5	16.0	15.6	15.1	14.6	14.0
-85°	12.8	12.6	12.5	12.3	12.1	11.9	11.7	11.5	11.2	11.0	10.7
-87.5°	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3
-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: P731259 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-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°	6.0	5.7	5.4	5.1	4.8	4.4	4.1	3.8	3.4	3.0	2.7
85°	10.4	10.2	9.9	9.5	9.2	8.9	8.2	7.5	6.8	6.1	5.3
82.5°	13.4	13.0	12.5	12.1	11.6	11.1	10.6	10.1	9.5	9.0	8.0
80°	17.5	16.7	15.9	15.0	14.1	13.3	12.6	11.9	11.2	10.5	9.8
77.5°	23.0	21.3	19.6	18.4	17.3	16.2	15.1	13.9	12.9	12.0	11.1
75°	30.1	27.9	25.7	23.6	21.3	19.1	17.8	16.4	14.9	13.5	12.4
72.5°	41.9	37.8	33.5	29.3	26.7	24.0	21.3	18.8	17.2	15.5	13.8
70°	68.3	52.3	44.0	39.0	33.8	29.0	25.8	22.6	19.4	17.4	15.5
67.5°	107.7	89.6	71.0	51.8	42.9	36.9	30.9	26.7	23.1	19.4	17.2
65°	192.0	148.3	105.9	84.5	62.6	45.3	38.5	31.7	26.7	22.6	18.8
62.5°	284.5	227.6	178.0	127.0	92.7	68.0	46.1	38.5	30.9	25.8	21.3
60°	387.5	322.0	254.5	196.0	138.9	95.4	68.0	45.3	36.9	29.0	24.0
57.5°	493.4	418.6	344.7	269.6	202.0	138.9	92.7	62.6	42.9	33.8	26.7
55°	603.4	517.7	434.7	352.3	269.6	196.0	127.0	84.5	51.8	39.0	29.3
52.5°	731.1	623.7	525.9	434.7	344.7	254.5	178.0	105.9	71.0	44.0	33.5
50°	858.6	741.3	623.7	517.7	418.6	322.0	227.6	148.3	89.6	52.3	37.8
47.5°	985.5	858.6	731.1	603.4	493.4	387.5	284.5	192.0	107.7	68.3	41.9
45°	1105.2	974.5	836.9	700.3	565.9	453.3	342.4	234.1	145.0	83.7	45.8
42.5°	1220.2	1084.0	941.8	794.0	649.6	517.5	398.1	283.1	181.3	98.5	54.9
40°	1338.9	1187.9	1041.7	887.8	732.8	579.5	454.0	331.4	216.1	118.1	67.3
37.5°	1453.8	1292.1	1134.7	977.6	813.2	652.5	507.6	377.4	251.5	147.4	79.0
35°	1533.2	1394.8	1223.4	1061.2	892.0	721.9	558.6	422.0	290.6	175.1	90.1
32.5°	1606.4	1483.3	1313.5	1139.1	966.6	787.5	613.7	465.5	327.4	201.3	100.6
30°	1638.8	1547.7	1398.9	1212.4	1036.0	851.5	669.7	506.2	362.0	225.7	113.1
27.5°	1657.9	1608.1	1473.9	1284.8	1098.9	911.3	721.9	544.2	394.1	250.6	132.9
25°	1688.9	1635.5	1525.7	1353.1	1157.2	966.6	770.1	579.5	424.7	276.7	151.1
22.5°	1749.9	1650.6	1573.4	1415.9	1210.6	1017.3	815.0	619.1	453.3	300.5	167.7
20°	1805.5	1664.4	1616.6	1469.5	1261.0	1061.2	856.5	654.9	479.0	322.0	182.7
17.5°	1914.7	1692.7	1632.8	1504.9	1307.4	1100.4	893.4	686.8	501.9	341.1	196.0
15°	2279.6	1733.0	1642.8	1536.0	1347.9	1134.7	925.7	714.6	521.8	357.8	207.6
12.5°	2592.3	1767.5	1651.3	1562.5	1382.5	1163.9	953.1	738.2	538.8	371.9	217.4
10°	2850.8	1796.0	1658.3	1584.3	1411.0	1187.9	975.7	757.7	552.7	383.6	225.5
7.5°	3053.6	1818.3	1663.8	1601.4	1433.3	1206.7	993.4	772.9	563.6	392.7	231.8
5°	3199.5	1834.3	1667.7	1613.7	1449.3	1220.2	1006.0	783.8	571.4	399.2	236.4
2.5°	3287.3	1844.0	1670.1	1621.0	1458.9	1228.3	1013.7	790.3	576.1	403.1	239.1
0°	3316.7	1847.2	1670.9	1623.5	1462.1	1231.0	1016.2	792.5	577.7	404.4	240.0
-2.5°	3287.3	1844.0	1670.1	1621.0	1458.9	1228.3	1013.7	790.3	576.1	403.1	239.1
-5°	3199.5	1834.3	1667.7	1613.7	1449.3	1220.2	1006.0	783.8	571.4	399.2	236.4
-7.5°	3053.6	1818.3	1663.8	1601.4	1433.3	1206.7	993.4	772.9	563.6	392.7	231.8
-10°	2850.8	1796.0	1658.3	1584.3	1411.0	1187.9	975.7	757.7	552.7	383.6	225.5
-12.5°	2592.3	1767.5	1651.3	1562.5	1382.5	1163.9	953.1	738.2	538.8	371.9	217.4
-15°	2279.6	1733.0	1642.8	1536.0	1347.9	1134.7	925.7	714.6	521.8	357.8	207.6
-17.5°	1914.7	1692.7	1632.8	1504.9	1307.4	1100.4	893.4	686.8	501.9	341.1	196.0
-20°	1805.5	1664.4	1616.6	1469.5	1261.0	1061.2	856.5	654.9	479.0	322.0	182.7



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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°	1749.9	1650.6	1573.4	1415.9	1210.6	1017.3	815.0	619.1	453.3	300.5	167.7
-25°	1688.9	1635.5	1525.7	1353.1	1157.2	966.6	770.1	579.5	424.7	276.7	151.1
-27.5°	1657.9	1608.1	1473.9	1284.8	1098.9	911.3	721.9	544.2	394.1	250.6	132.9
-30°	1638.8	1547.7	1398.9	1212.4	1036.0	851.5	669.7	506.2	362.0	225.7	113.1
-32.5°	1606.4	1483.3	1313.5	1139.1	966.6	787.5	613.7	465.5	327.4	201.3	100.6
-35°	1533.2	1394.8	1223.4	1061.2	892.0	721.9	558.6	422.0	290.6	175.1	90.1
-37.5°	1453.8	1292.1	1134.7	977.6	813.2	652.5	507.6	377.4	251.5	147.4	79.0
-40°	1338.9	1187.9	1041.7	887.8	732.8	579.5	454.0	331.4	216.1	118.1	67.3
-42.5°	1220.2	1084.0	941.8	794.0	649.6	517.5	398.1	283.1	181.3	98.5	54.9
-45°	1105.2	974.5	836.9	700.3	565.9	453.3	342.4	234.1	145.0	83.7	45.8
-47.5°	985.5	858.6	731.1	603.4	493.4	387.5	284.5	192.0	107.7	68.3	41.9
-50°	858.6	741.3	623.7	517.7	418.6	322.0	227.6	148.3	89.6	52.3	37.8
-52.5°	731.1	623.7	525.9	434.7	344.7	254.5	178.0	105.9	71.0	44.0	33.5
-55°	603.4	517.7	434.7	352.3	269.6	196.0	127.0	84.5	51.8	39.0	29.3
-57.5°	493.4	418.6	344.7	269.6	202.0	138.9	92.7	62.6	42.9	33.8	26.7
-60°	387.5	322.0	254.5	196.0	138.9	95.4	68.0	45.3	36.9	29.0	24.0
-62.5°	284.5	227.6	178.0	127.0	92.7	68.0	46.1	38.5	30.9	25.8	21.3
-65°	192.0	148.3	105.9	84.5	62.6	45.3	38.5	31.7	26.7	22.6	18.8
-67.5°	107.7	89.6	71.0	51.8	42.9	36.9	30.9	26.7	23.1	19.4	17.2
-70°	68.3	52.3	44.0	39.0	33.8	29.0	25.8	22.6	19.4	17.4	15.5
-72.5°	41.9	37.8	33.5	29.3	26.7	24.0	21.3	18.8	17.2	15.5	13.8
-75°	30.1	27.9	25.7	23.6	21.3	19.1	17.8	16.4	14.9	13.5	12.4
-77.5°	23.0	21.3	19.6	18.4	17.3	16.2	15.1	13.9	12.9	12.0	11.1
-80°	17.5	16.7	15.9	15.0	14.1	13.3	12.6	11.9	11.2	10.5	9.8
-82.5°	13.4	13.0	12.5	12.1	11.6	11.1	10.6	10.1	9.5	9.0	8.0
-85°	10.4	10.2	9.9	9.5	9.2	8.9	8.2	7.5	6.8	6.1	5.3
-87.5°	6.0	5.7	5.4	5.1	4.8	4.4	4.1	3.8	3.4	3.0	2.7
-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°	2.3	1.9	1.5	1.2	0.8	0.4	0.0
85°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
82.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
80°	9.0	7.7	6.2	4.6	3.1	1.5	0.0
77.5°	10.2	9.2	7.7	5.8	3.8	1.9	0.0
75°	11.3	10.2	9.0	6.9	4.6	2.3	0.0
72.5°	12.4	11.1	9.8	8.0	5.3	2.7	0.0
70°	13.5	12.0	10.5	9.0	6.1	3.0	0.0
67.5°	14.9	12.9	11.2	9.5	6.8	3.4	0.0
65°	16.4	13.9	11.9	10.1	7.5	3.8	0.0
62.5°	17.8	15.1	12.6	10.6	8.2	4.1	0.0
60°	19.1	16.2	13.3	11.1	8.9	4.4	0.0
57.5°	21.3	17.3	14.1	11.6	9.2	4.8	0.0
55°	23.6	18.4	15.0	12.1	9.5	5.1	0.0
52.5°	25.7	19.6	15.9	12.5	9.9	5.4	0.0
50°	27.9	21.3	16.7	13.0	10.2	5.7	0.0
47.5°	30.1	23.0	17.5	13.4	10.4	6.0	0.0
45°	33.5	24.7	18.2	14.0	10.7	6.3	0.0
42.5°	36.7	26.2	19.0	14.6	11.0	6.6	0.0
40°	39.8	27.7	19.9	15.1	11.2	6.8	0.0
37.5°	42.8	29.1	21.0	15.6	11.5	7.1	0.0
35°	45.6	31.1	22.1	16.0	11.7	7.3	0.0
32.5°	50.0	33.3	23.1	16.5	11.9	7.5	0.0
30°	58.4	35.3	24.0	16.9	12.1	7.7	0.0
27.5°	66.1	37.2	24.9	17.3	12.3	7.9	0.0
25°	73.3	38.9	25.7	17.6	12.5	8.1	0.0
22.5°	79.8	40.5	26.4	17.9	12.6	8.2	0.0
20°	85.7	42.0	27.1	18.2	12.8	8.4	0.0
17.5°	90.9	43.2	27.7	18.5	12.9	8.5	0.0
15°	95.4	44.3	28.2	18.7	13.0	8.6	0.0
12.5°	99.3	45.3	28.6	18.9	13.1	8.7	0.0
10°	102.4	46.0	29.0	19.0	13.2	8.8	0.0
7.5°	104.9	46.6	29.2	19.1	13.2	8.8	0.0
5°	106.7	47.1	29.4	19.2	13.3	8.9	0.0
2.5°	107.7	47.3	29.6	19.3	13.3	8.9	0.0
0°	108.1	47.4	29.6	19.3	13.3	8.9	0.0
-2.5°	107.7	47.3	29.6	19.3	13.3	8.9	0.0
-5°	106.7	47.1	29.4	19.2	13.3	8.9	0.0
-7.5°	104.9	46.6	29.2	19.1	13.2	8.8	0.0
-10°	102.4	46.0	29.0	19.0	13.2	8.8	0.0
-12.5°	99.3	45.3	28.6	18.9	13.1	8.7	0.0
-15°	95.4	44.3	28.2	18.7	13.0	8.6	0.0
-17.5°	90.9	43.2	27.7	18.5	12.9	8.5	0.0
-20°	85.7	42.0	27.1	18.2	12.8	8.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	79.8	40.5	26.4	17.9	12.6	8.2	0.0
-25°	73.3	38.9	25.7	17.6	12.5	8.1	0.0
-27.5°	66.1	37.2	24.9	17.3	12.3	7.9	0.0
-30°	58.4	35.3	24.0	16.9	12.1	7.7	0.0
-32.5°	50.0	33.3	23.1	16.5	11.9	7.5	0.0
-35°	45.6	31.1	22.1	16.0	11.7	7.3	0.0
-37.5°	42.8	29.1	21.0	15.6	11.5	7.1	0.0
-40°	39.8	27.7	19.9	15.1	11.2	6.8	0.0
-42.5°	36.7	26.2	19.0	14.6	11.0	6.6	0.0
-45°	33.5	24.7	18.2	14.0	10.7	6.3	0.0
-47.5°	30.1	23.0	17.5	13.4	10.4	6.0	0.0
-50°	27.9	21.3	16.7	13.0	10.2	5.7	0.0
-52.5°	25.7	19.6	15.9	12.5	9.9	5.4	0.0
-55°	23.6	18.4	15.0	12.1	9.5	5.1	0.0
-57.5°	21.3	17.3	14.1	11.6	9.2	4.8	0.0
-60°	19.1	16.2	13.3	11.1	8.9	4.4	0.0
-62.5°	17.8	15.1	12.6	10.6	8.2	4.1	0.0
-65°	16.4	13.9	11.9	10.1	7.5	3.8	0.0
-67.5°	14.9	12.9	11.2	9.5	6.8	3.4	0.0
-70°	13.5	12.0	10.5	9.0	6.1	3.0	0.0
-72.5°	12.4	11.1	9.8	8.0	5.3	2.7	0.0
-75°	11.3	10.2	9.0	6.9	4.6	2.3	0.0
-77.5°	10.2	9.2	7.7	5.8	3.8	1.9	0.0
-80°	9.0	7.7	6.2	4.6	3.1	1.5	0.0
-82.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
-85°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
-87.5°	2.3	1.9	1.5	1.2	0.8	0.4	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

