

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: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-1S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-1S-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

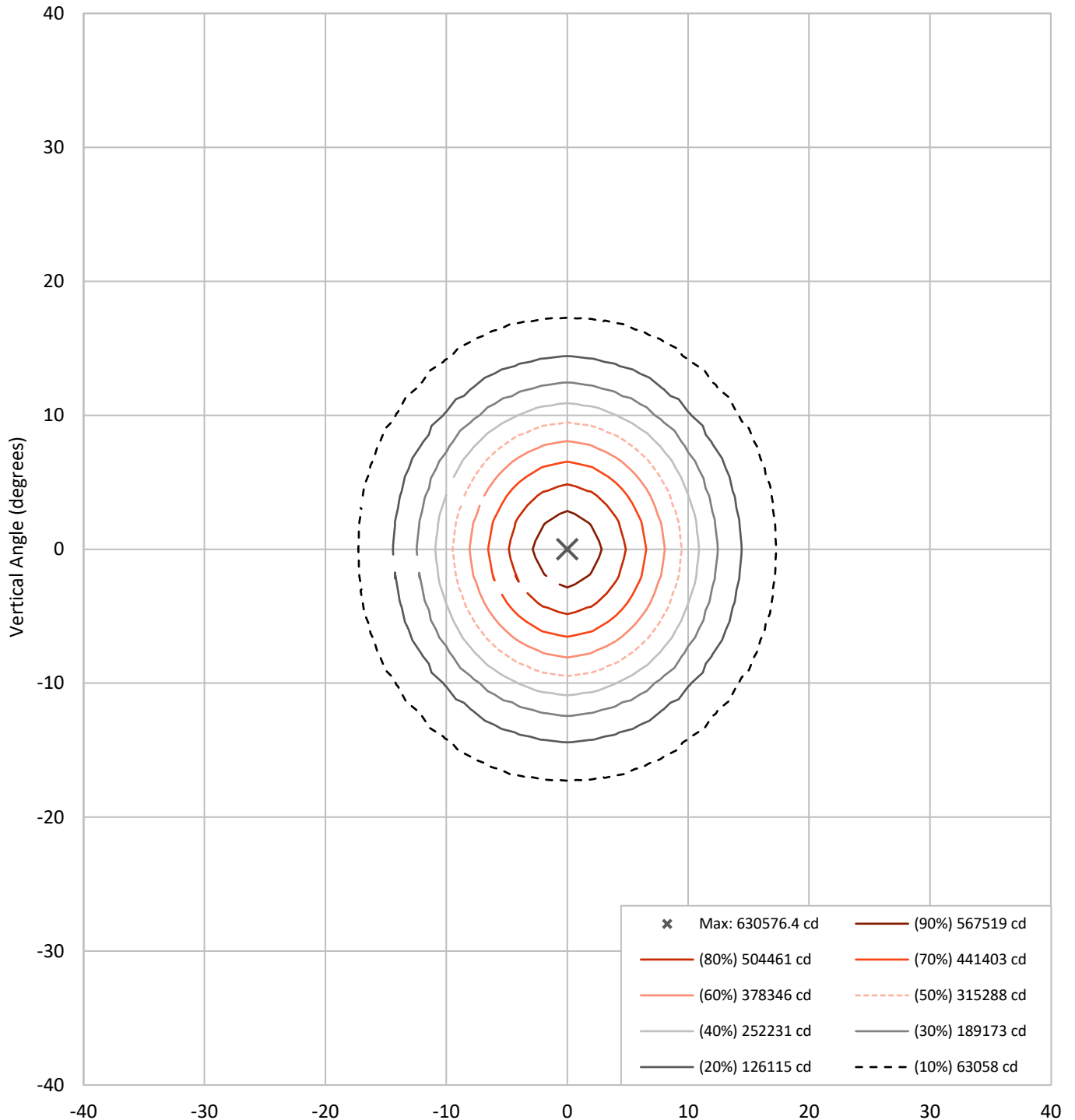
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	85421.4 lumens	Max Intensity:	630576.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	36817.7 lumens	Field Lumens:	67826.3 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 577.1
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





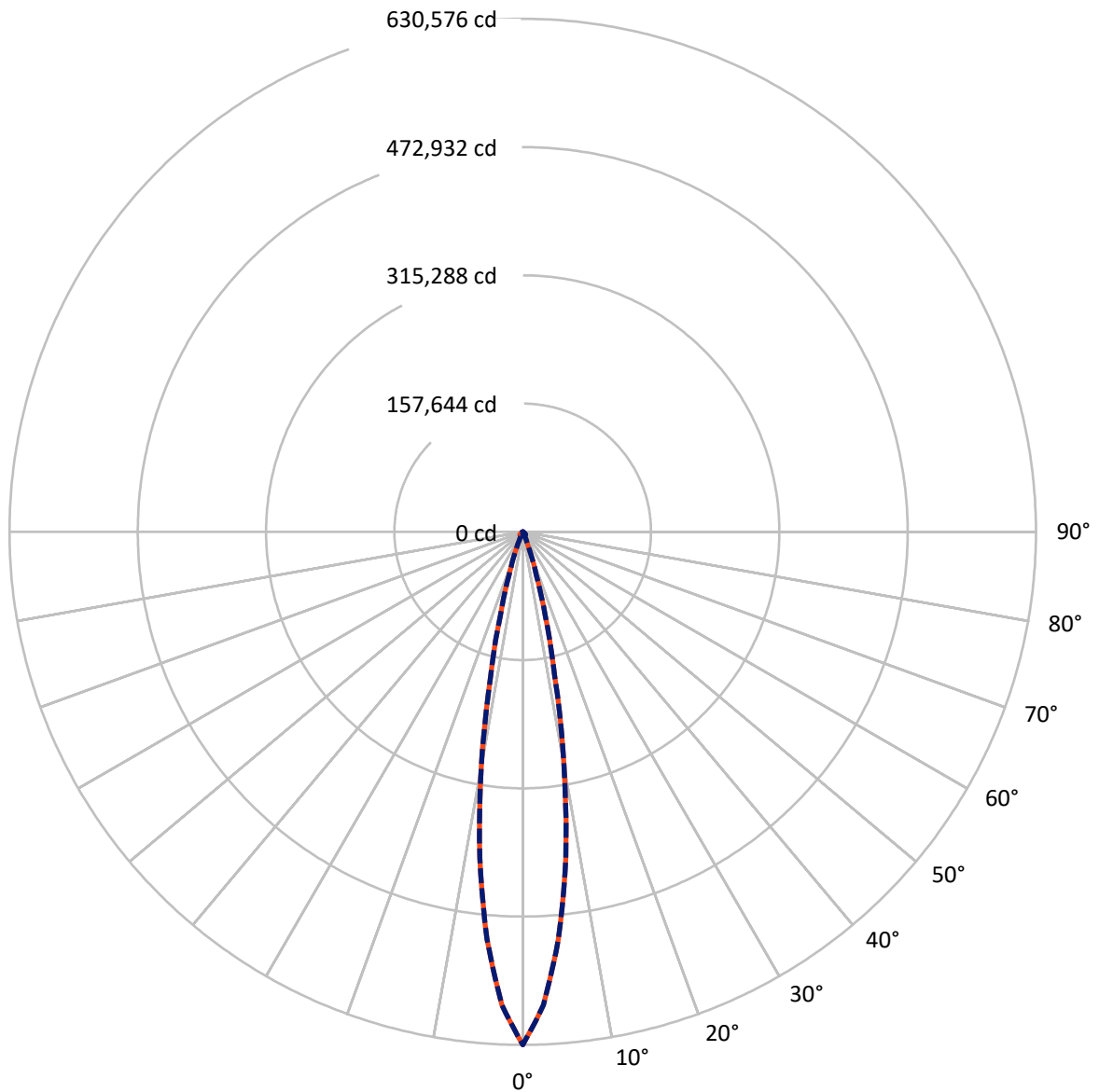
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Lumen Table

90																
80	0.1	0.8		3.0		7.4		9.8		7.4		3.0		0.8		0.1
70																
60	0.4	0.5	1.8	5.3	10.7	16.7	21.6	24.3	24.3	21.6	16.7	10.7	5.3	1.8	0.5	0.4
50		1.3	6.3	15.5	26.6	36.0	42.1	45.4	45.4	42.1	36.0	26.6	15.5	6.3	1.3	
40	1.0	3.3	12.6	26.4	38.5	65.2	102.8	123.5	123.5	102.8	65.2	38.5	26.4	12.6	3.3	1.0
30		5.7	18.8	33.3	78.8	134.9	149.0	149.3	149.3	149.0	134.9	78.8	33.3	18.8	5.7	
20	2.2	8.0	22.9	51.5	122.0	135.1	148.5	257.4	257.4	148.5	135.1	122.0	51.5	22.9	8.0	2.2
10		9.7	25.2	76.3	126.3	139.5	815.7	3046.0	3046.0	815.7	139.5	126.3	76.3	25.2	9.7	
0	2.7	10.6	26.3	88.7	122.5	236.8	2972.2	11696.9	11696.9	2972.2	236.8	122.5	88.7	26.3	10.6	2.7
-10		10.6	26.3	88.7	122.5	236.8	2972.2	11696.9	11696.9	2972.2	236.8	122.5	88.7	26.3	10.6	
-20	2.2	9.7	25.2	76.3	126.3	139.5	815.7	3046.0	3046.0	815.7	139.5	126.3	76.3	25.2	9.7	2.2
-30		8.0	22.9	51.5	122.0	135.1	148.5	257.4	257.4	148.5	135.1	122.0	51.5	22.9	8.0	
-40	1.0	5.7	18.8	33.3	78.8	134.9	149.0	149.3	149.3	149.0	134.9	78.8	33.3	18.8	5.7	1.0
-50		3.3	12.6	26.4	38.5	65.2	102.8	123.5	123.5	102.8	65.2	38.5	26.4	12.6	3.3	
-60	0.4	1.3	6.3	15.5	26.6	36.0	42.1	45.4	45.4	42.1	36.0	26.6	15.5	6.3	1.3	0.4
-70		0.5	1.8	5.3	10.7	16.7	21.6	24.3	24.3	21.6	16.7	10.7	5.3	1.8	0.5	
-80																
-90	0.1	0.8		3.0		7.4		9.8		7.4		3.0		0.8		0.1

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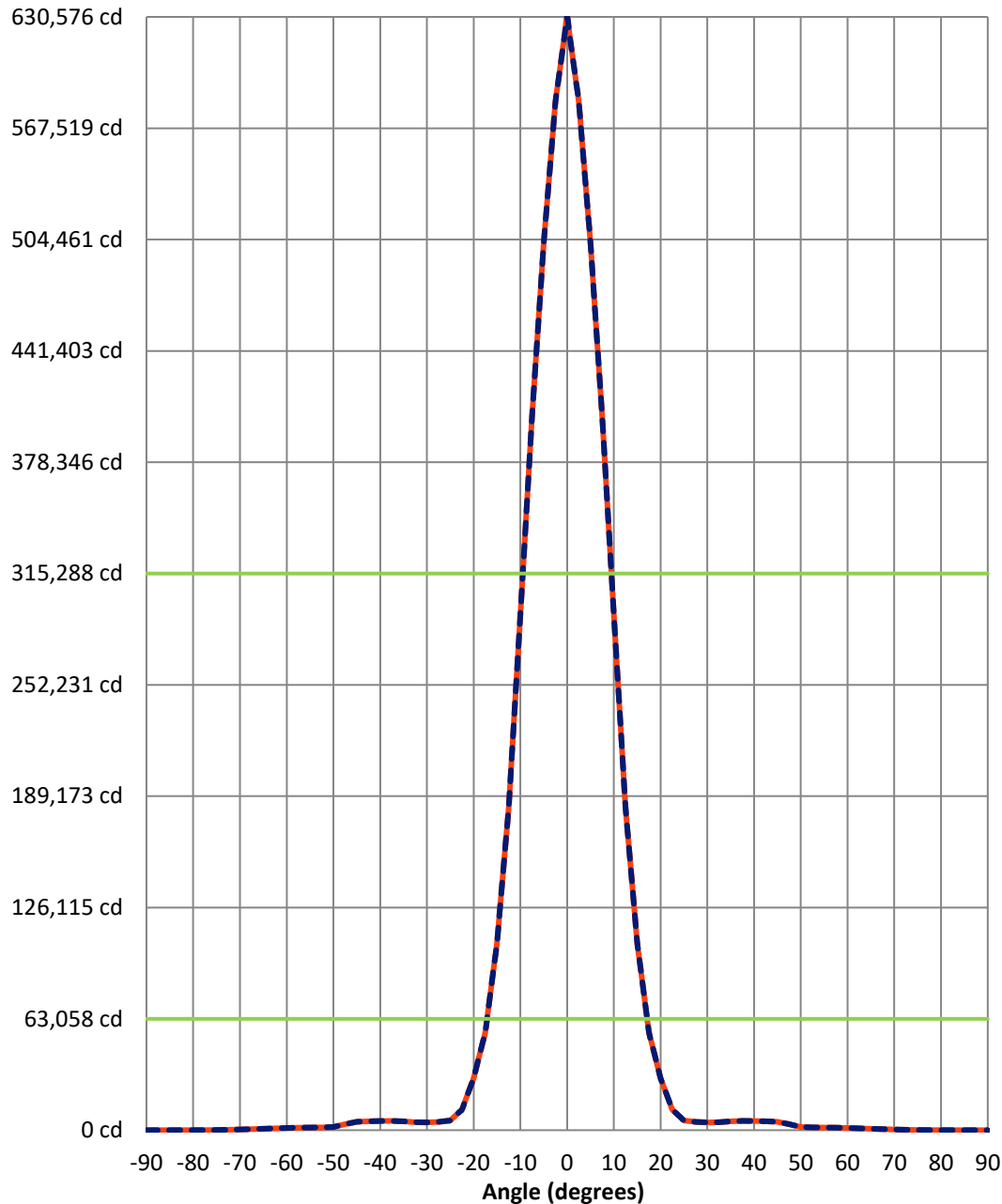
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 19°
 Lumens: 36817.7
 Efficiency: 43.1%

Field:
 H Angle: 34.3°
 V Angle: 34.3°
 Lumens: 67826.3
 Efficiency: 79.4%

Spill:
 Lumens: 17595.1
 Efficiency: 20.6%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.7	7.2
80°	0.0	1.0	2.1	3.1	4.1	5.2	6.1	6.9	7.7	8.4	9.1
77.5°	0.0	1.3	2.6	3.9	5.2	6.3	7.3	8.3	9.2	10.1	11.5
75°	0.0	1.6	3.1	4.6	6.1	7.3	8.5	9.6	10.9	13.1	15.2
72.5°	0.0	1.8	3.6	5.4	6.9	8.3	9.6	11.3	13.9	16.4	18.9
70°	0.0	2.1	4.1	6.1	7.7	9.2	10.9	13.9	16.8	19.7	23.0
67.5°	0.0	2.3	4.6	6.7	8.4	10.1	13.1	16.4	19.7	23.5	27.3
65°	0.0	2.5	5.1	7.2	9.1	11.5	15.2	18.9	23.0	27.3	32.3
62.5°	0.0	2.8	5.5	7.8	9.9	13.2	17.3	21.6	26.3	31.5	39.3
60°	0.0	3.0	6.0	8.3	10.6	15.0	19.4	24.5	29.5	37.7	46.1
57.5°	0.0	3.2	6.3	8.8	11.9	16.6	21.7	27.2	34.5	43.7	63.4
55°	0.0	3.4	6.7	9.3	13.2	18.3	24.0	29.9	39.7	52.6	85.2
52.5°	0.0	3.7	7.0	9.8	14.4	19.9	26.2	34.2	44.8	71.8	106.5
50°	0.0	3.9	7.3	10.3	15.7	21.7	28.4	38.5	53.1	90.3	146.5
47.5°	0.0	4.1	7.6	10.8	16.9	23.5	30.7	42.7	69.1	108.3	187.4
45°	0.0	4.2	7.9	11.7	18.0	25.1	34.1	46.7	84.4	143.4	226.9
42.5°	0.0	4.4	8.2	12.5	19.1	26.7	37.4	55.8	99.2	177.4	276.4
40°	0.0	4.6	8.4	13.3	20.2	28.3	40.6	68.1	118.1	210.1	325.7
37.5°	0.0	4.8	8.7	14.0	21.4	29.7	43.6	79.8	145.6	244.2	372.7
35°	0.0	4.9	8.9	14.7	22.5	31.7	46.4	90.8	171.6	284.1	418.9
32.5°	0.0	5.1	9.2	15.4	23.5	33.9	50.9	101.2	196.1	321.7	465.1
30°	0.0	5.2	9.4	16.0	24.5	36.0	59.2	113.4	219.1	356.9	508.4
27.5°	0.0	5.3	9.6	16.5	25.4	37.9	67.0	132.0	243.3	389.7	548.7
25°	0.0	5.4	9.7	17.1	26.2	39.7	74.1	149.1	269.9	421.8	586.3
22.5°	0.0	5.5	9.9	17.5	26.9	41.3	80.5	164.7	294.2	452.1	627.2
20°	0.0	5.6	10.0	18.0	27.6	42.8	86.4	178.7	316.2	479.5	664.2
17.5°	0.0	5.7	10.2	18.3	28.2	44.0	91.6	191.2	335.6	503.8	697.1
15°	0.0	5.8	10.3	18.7	28.7	45.2	96.1	202.1	352.6	525.0	725.9
12.5°	0.0	5.9	10.4	19.0	29.2	46.1	99.9	211.3	367.1	543.0	750.3
10°	0.0	5.9	10.5	19.2	29.5	46.9	103.1	218.9	379.0	557.9	770.4
7.5°	0.0	5.9	10.5	19.4	29.8	47.5	105.5	224.8	388.2	569.5	786.1
5°	0.0	6.0	10.6	19.5	30.0	48.0	107.3	229.1	394.9	577.7	797.4
2.5°	0.0	6.0	10.6	19.6	30.2	48.2	108.3	231.6	398.9	582.7	804.1
0°	0.0	6.0	10.6	19.6	30.2	48.2	108.3	231.6	398.9	582.7	804.1
-2.5°	0.0	6.0	10.6	19.6	30.2	48.2	108.3	231.6	398.9	582.7	804.1
-5°	0.0	6.0	10.6	19.5	30.0	48.0	107.3	229.1	394.9	577.7	797.4
-7.5°	0.0	5.9	10.5	19.4	29.8	47.5	105.5	224.8	388.2	569.5	786.1
-10°	0.0	5.9	10.5	19.2	29.5	46.9	103.1	218.9	379.0	557.9	770.4
-12.5°	0.0	5.9	10.4	19.0	29.2	46.1	99.9	211.3	367.1	543.0	750.3
-15°	0.0	5.8	10.3	18.7	28.7	45.2	96.1	202.1	352.6	525.0	725.9
-17.5°	0.0	5.7	10.2	18.3	28.2	44.0	91.6	191.2	335.6	503.8	697.1
-20°	0.0	5.6	10.0	18.0	27.6	42.8	86.4	178.7	316.2	479.5	664.2



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.5	9.9	17.5	26.9	41.3	80.5	164.7	294.2	452.1	627.2
-25°	0.0	5.4	9.7	17.1	26.2	39.7	74.1	149.1	269.9	421.8	586.3
-27.5°	0.0	5.3	9.6	16.5	25.4	37.9	67.0	132.0	243.3	389.7	548.7
-30°	0.0	5.2	9.4	16.0	24.5	36.0	59.2	113.4	219.1	356.9	508.4
-32.5°	0.0	5.1	9.2	15.4	23.5	33.9	50.9	101.2	196.1	321.7	465.1
-35°	0.0	4.9	8.9	14.7	22.5	31.7	46.4	90.8	171.6	284.1	418.9
-37.5°	0.0	4.8	8.7	14.0	21.4	29.7	43.6	79.8	145.6	244.2	372.7
-40°	0.0	4.6	8.4	13.3	20.2	28.3	40.6	68.1	118.1	210.1	325.7
-42.5°	0.0	4.4	8.2	12.5	19.1	26.7	37.4	55.8	99.2	177.4	276.4
-45°	0.0	4.2	7.9	11.7	18.0	25.1	34.1	46.7	84.4	143.4	226.9
-47.5°	0.0	4.1	7.6	10.8	16.9	23.5	30.7	42.7	69.1	108.3	187.4
-50°	0.0	3.9	7.3	10.3	15.7	21.7	28.4	38.5	53.1	90.3	146.5
-52.5°	0.0	3.7	7.0	9.8	14.4	19.9	26.2	34.2	44.8	71.8	106.5
-55°	0.0	3.4	6.7	9.3	13.2	18.3	24.0	29.9	39.7	52.6	85.2
-57.5°	0.0	3.2	6.3	8.8	11.9	16.6	21.7	27.2	34.5	43.7	63.4
-60°	0.0	3.0	6.0	8.3	10.6	15.0	19.4	24.5	29.5	37.7	46.1
-62.5°	0.0	2.8	5.5	7.8	9.9	13.2	17.3	21.6	26.3	31.5	39.3
-65°	0.0	2.5	5.1	7.2	9.1	11.5	15.2	18.9	23.0	27.3	32.3
-67.5°	0.0	2.3	4.6	6.7	8.4	10.1	13.1	16.4	19.7	23.5	27.3
-70°	0.0	2.1	4.1	6.1	7.7	9.2	10.9	13.9	16.8	19.7	23.0
-72.5°	0.0	1.8	3.6	5.4	6.9	8.3	9.6	11.3	13.9	16.4	18.9
-75°	0.0	1.6	3.1	4.6	6.1	7.3	8.5	9.6	10.9	13.1	15.2
-77.5°	0.0	1.3	2.6	3.9	5.2	6.3	7.3	8.3	9.2	10.1	11.5
-80°	0.0	1.0	2.1	3.1	4.1	5.2	6.1	6.9	7.7	8.4	9.1
-82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.7	7.2
-85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	3.0	3.2	3.4	3.7	3.9	4.1	4.2	4.4	4.6	4.8
85°	5.5	6.0	6.3	6.7	7.0	7.3	7.6	7.9	8.2	8.4	8.7
82.5°	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.7	12.5	13.3	14.0
80°	9.9	10.6	11.9	13.2	14.4	15.7	16.9	18.0	19.1	20.2	21.4
77.5°	13.2	15.0	16.6	18.3	19.9	21.7	23.5	25.1	26.7	28.3	29.7
75°	17.3	19.4	21.7	24.0	26.2	28.4	30.7	34.1	37.4	40.6	43.6
72.5°	21.6	24.5	27.2	29.9	34.2	38.5	42.7	46.7	55.8	68.1	79.8
70°	26.3	29.5	34.5	39.7	44.8	53.1	69.1	84.4	99.2	118.1	145.6
67.5°	31.5	37.7	43.7	52.6	71.8	90.3	108.3	143.4	177.4	210.1	244.2
65°	39.3	46.1	63.4	85.2	106.5	146.5	187.4	226.9	276.4	325.7	372.7
62.5°	46.9	68.8	93.4	126.4	174.3	220.9	277.9	336.9	393.7	452.9	509.9
60°	68.8	96.1	137.6	191.2	247.3	316.2	382.9	452.1	520.4	586.3	661.7
57.5°	93.4	137.6	196.8	262.7	339.3	415.3	494.8	571.8	658.7	744.7	827.6
55°	126.4	191.2	262.7	347.0	432.4	520.6	611.0	711.2	807.9	904.1	996.2
52.5°	174.3	247.3	339.3	432.4	529.3	632.0	742.9	852.0	959.6	1061.2	1153.3
50°	220.9	316.2	415.3	520.6	632.0	753.5	874.2	993.1	1103.1	1206.1	1297.9
47.5°	277.9	382.9	494.8	611.0	742.9	874.2	1004.4	1124.1	1238.1	1335.5	1427.9
45°	336.9	452.1	571.8	711.2	852.0	993.1	1124.1	1248.8	1354.4	1441.7	1473.7
42.5°	393.7	520.4	658.7	807.9	959.6	1103.1	1238.1	1354.4	1444.8	1480.1	1520.9
40°	452.9	586.3	744.7	904.1	1061.2	1206.1	1335.5	1441.7	1480.1	1525.3	1574.1
37.5°	509.9	661.7	827.6	996.2	1153.3	1297.9	1427.9	1473.7	1520.9	1574.1	1720.3
35°	564.1	733.4	908.5	1080.6	1241.3	1380.4	1461.1	1507.8	1565.2	1706.9	2153.3
32.5°	621.6	801.2	985.1	1157.7	1315.1	1442.4	1488.5	1547.5	1667.0	1971.6	3084.8
30°	679.5	866.9	1055.5	1230.4	1383.7	1466.5	1521.3	1601.4	1784.6	2806.8	3887.0
27.5°	733.4	928.3	1117.9	1292.0	1438.9	1489.1	1554.2	1704.8	2350.0	3567.1	4601.4
25°	783.2	985.1	1175.6	1346.9	1458.3	1515.5	1600.9	1801.3	3040.3	4194.3	4858.4
22.5°	829.5	1037.0	1228.5	1397.3	1476.1	1541.6	1683.5	2316.7	3637.2	4754.7	4988.9
20°	872.1	1080.6	1272.9	1437.3	1492.3	1565.4	1758.7	2857.9	4131.9	4866.1	5077.4
17.5°	909.9	1119.4	1310.2	1450.5	1511.0	1606.0	1888.1	3343.9	4577.1	4966.5	5142.8
15°	943.0	1153.3	1342.7	1462.1	1528.1	1660.6	2282.5	3715.5	4795.1	5045.2	5199.5
12.5°	971.2	1182.3	1370.5	1472.1	1542.7	1707.2	2620.5	4026.5	4865.6	5091.3	5215.2
10°	994.4	1206.1	1393.4	1480.2	1554.8	1745.8	2900.0	4284.0	4924.1	5129.6	5228.2
7.5°	1012.5	1224.7	1411.3	1486.6	1564.3	1776.0	3119.2	4486.3	4970.1	5159.7	5238.5
5°	1025.5	1238.1	1424.2	1491.2	1571.0	1797.7	3276.9	4631.9	5003.2	5181.5	5245.9
2.5°	1033.3	1246.1	1431.9	1494.0	1575.1	1810.7	3371.9	4719.7	5023.2	5194.6	5250.4
0°	1035.9	1248.8	1434.5	1494.9	1576.5	1815.1	3403.6	4749.0	5029.9	5199.0	5251.9
-2.5°	1033.3	1246.1	1431.9	1494.0	1575.1	1810.7	3371.9	4719.7	5023.2	5194.6	5250.4
-5°	1025.5	1238.1	1424.2	1491.2	1571.0	1797.7	3276.9	4631.9	5003.2	5181.5	5245.9
-7.5°	1012.5	1224.7	1411.3	1486.6	1564.3	1776.0	3119.2	4486.3	4970.1	5159.7	5238.5
-10°	994.4	1206.1	1393.4	1480.2	1554.8	1745.8	2900.0	4284.0	4924.1	5129.6	5228.2
-12.5°	971.2	1182.3	1370.5	1472.1	1542.7	1707.2	2620.5	4026.5	4865.6	5091.3	5215.2
-15°	943.0	1153.3	1342.7	1462.1	1528.1	1660.6	2282.5	3715.5	4795.1	5045.2	5199.5
-17.5°	909.9	1119.4	1310.2	1450.5	1511.0	1606.0	1888.1	3343.9	4577.1	4966.5	5142.8
-20°	872.1	1080.6	1272.9	1437.3	1492.3	1565.4	1758.7	2857.9	4131.9	4866.1	5077.4



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	829.5	1037.0	1228.5	1397.3	1476.1	1541.6	1683.5	2316.7	3637.2	4754.7	4988.9
-25°	783.2	985.1	1175.6	1346.9	1458.3	1515.5	1600.9	1801.3	3040.3	4194.3	4858.4
-27.5°	733.4	928.3	1117.9	1292.0	1438.9	1489.1	1554.2	1704.8	2350.0	3567.1	4601.4
-30°	679.5	866.9	1055.5	1230.4	1383.7	1466.5	1521.3	1601.4	1784.6	2806.8	3887.0
-32.5°	621.6	801.2	985.1	1157.7	1315.1	1442.4	1488.5	1547.5	1667.0	1971.6	3084.8
-35°	564.1	733.4	908.5	1080.6	1241.3	1380.4	1461.1	1507.8	1565.2	1706.9	2153.3
-37.5°	509.9	661.7	827.6	996.2	1153.3	1297.9	1427.9	1473.7	1520.9	1574.1	1720.3
-40°	452.9	586.3	744.7	904.1	1061.2	1206.1	1335.5	1441.7	1480.1	1525.3	1574.1
-42.5°	393.7	520.4	658.7	807.9	959.6	1103.1	1238.1	1354.4	1444.8	1480.1	1520.9
-45°	336.9	452.1	571.8	711.2	852.0	993.1	1124.1	1248.8	1354.4	1441.7	1473.7
-47.5°	277.9	382.9	494.8	611.0	742.9	874.2	1004.4	1124.1	1238.1	1335.5	1427.9
-50°	220.9	316.2	415.3	520.6	632.0	753.5	874.2	993.1	1103.1	1206.1	1297.9
-52.5°	174.3	247.3	339.3	432.4	529.3	632.0	742.9	852.0	959.6	1061.2	1153.3
-55°	126.4	191.2	262.7	347.0	432.4	520.6	611.0	711.2	807.9	904.1	996.2
-57.5°	93.4	137.6	196.8	262.7	339.3	415.3	494.8	571.8	658.7	744.7	827.6
-60°	68.8	96.1	137.6	191.2	247.3	316.2	382.9	452.1	520.4	586.3	661.7
-62.5°	46.9	68.8	93.4	126.4	174.3	220.9	277.9	336.9	393.7	452.9	509.9
-65°	39.3	46.1	63.4	85.2	106.5	146.5	187.4	226.9	276.4	325.7	372.7
-67.5°	31.5	37.7	43.7	52.6	71.8	90.3	108.3	143.4	177.4	210.1	244.2
-70°	26.3	29.5	34.5	39.7	44.8	53.1	69.1	84.4	99.2	118.1	145.6
-72.5°	21.6	24.5	27.2	29.9	34.2	38.5	42.7	46.7	55.8	68.1	79.8
-75°	17.3	19.4	21.7	24.0	26.2	28.4	30.7	34.1	37.4	40.6	43.6
-77.5°	13.2	15.0	16.6	18.3	19.9	21.7	23.5	25.1	26.7	28.3	29.7
-80°	9.9	10.6	11.9	13.2	14.4	15.7	16.9	18.0	19.1	20.2	21.4
-82.5°	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.7	12.5	13.3	14.0
-85°	5.5	6.0	6.3	6.7	7.0	7.3	7.6	7.9	8.2	8.4	8.7
-87.5°	2.8	3.0	3.2	3.4	3.7	3.9	4.1	4.2	4.4	4.6	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
85°	8.9	9.2	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.4	10.5
82.5°	14.7	15.4	16.0	16.5	17.1	17.5	18.0	18.3	18.7	19.0	19.2
80°	22.5	23.5	24.5	25.4	26.2	26.9	27.6	28.2	28.7	29.2	29.5
77.5°	31.7	33.9	36.0	37.9	39.7	41.3	42.8	44.0	45.2	46.1	46.9
75°	46.4	50.9	59.2	67.0	74.1	80.5	86.4	91.6	96.1	99.9	103.1
72.5°	90.8	101.2	113.4	132.0	149.1	164.7	178.7	191.2	202.1	211.3	218.9
70°	171.6	196.1	219.1	243.3	269.9	294.2	316.2	335.6	352.6	367.1	379.0
67.5°	284.1	321.7	356.9	389.7	421.8	452.1	479.5	503.8	525.0	543.0	557.9
65°	418.9	465.1	508.4	548.7	586.3	627.2	664.2	697.1	725.9	750.3	770.4
62.5°	564.1	621.6	679.5	733.4	783.2	829.5	872.1	909.9	943.0	971.2	994.4
60°	733.4	801.2	866.9	928.3	985.1	1037.0	1080.6	1119.4	1153.3	1182.3	1206.1
57.5°	908.5	985.1	1055.5	1117.9	1175.6	1228.5	1272.9	1310.2	1342.7	1370.5	1393.4
55°	1080.6	1157.7	1230.4	1292.0	1346.9	1397.3	1437.3	1450.5	1462.1	1472.1	1480.2
52.5°	1241.3	1315.1	1383.7	1438.9	1458.3	1476.1	1492.3	1511.0	1528.1	1542.7	1554.8
50°	1380.4	1442.4	1466.5	1489.1	1515.5	1541.6	1565.4	1606.0	1660.6	1707.2	1745.8
47.5°	1461.1	1488.5	1521.3	1554.2	1600.9	1683.5	1758.7	1888.1	2282.5	2620.5	2900.0
45°	1507.8	1547.5	1601.4	1704.8	1801.3	2316.7	2857.9	3343.9	3715.5	4026.5	4284.0
42.5°	1565.2	1667.0	1784.6	2350.0	3040.3	3637.2	4131.9	4577.1	4795.1	4865.6	4924.1
40°	1706.9	1971.6	2806.8	3567.1	4194.3	4754.7	4866.1	4966.5	5045.2	5091.3	5129.6
37.5°	2153.3	3084.8	3887.0	4601.4	4858.4	4988.9	5077.4	5142.8	5199.5	5215.2	5228.2
35°	3178.1	4048.7	4770.0	4929.0	5059.4	5143.7	5206.0	5228.1	5247.7	5191.6	5124.8
32.5°	4048.7	4787.4	4964.7	5092.5	5188.9	5224.1	5250.3	5147.4	5047.2	4920.8	4780.2
30°	4770.0	4964.7	5103.7	5203.0	5235.2	5188.1	5055.7	4871.3	4661.9	4511.5	4472.4
27.5°	4929.0	5092.5	5203.0	5238.9	5151.8	4996.2	4721.9	4509.1	4451.2	4400.4	4504.5
25°	5059.4	5188.9	5235.2	5151.8	4959.6	4645.8	4478.9	4409.5	4531.2	4666.9	4920.5
22.5°	5143.7	5224.1	5188.1	4996.2	4645.8	4468.7	4429.6	4612.8	4914.9	5311.4	6688.4
20°	5206.0	5250.3	5055.7	4721.9	4478.9	4429.6	4640.5	5070.1	5954.2	9319.0	13300.6
17.5°	5228.1	5147.4	4871.3	4509.1	4409.5	4612.8	5070.1	6597.4	10682.9	19539.9	28883.7
15°	5247.7	5047.2	4661.9	4451.2	4531.2	4914.9	5954.2	10682.9	21680.0	35361.0	50722.7
12.5°	5191.6	4920.8	4511.5	4400.4	4666.9	5311.4	9319.0	19539.9	35361.0	54453.7	86793.6
10°	5124.8	4780.2	4472.4	4504.5	4920.5	6688.4	13300.6	28883.7	50722.7	86793.6	130700.8
7.5°	5071.9	4668.8	4441.2	4588.3	5167.6	8809.4	20148.1	39962.8	71122.7	118620.4	183524.0
5°	5033.6	4587.9	4418.6	4649.5	5348.7	10373.1	25235.4	48476.1	90128.1	150745.7	237317.7
2.5°	5010.5	4538.9	4404.8	4686.7	5459.3	11332.4	28374.6	53772.4	102094.5	173907.9	277562.5
0°	5002.7	4522.5	4400.2	4699.2	5496.5	11655.9	29436.4	55572.0	106188.1	182696.6	291937.9
-2.5°	5010.5	4538.9	4404.8	4686.7	5459.3	11332.4	28374.6	53772.4	102094.5	173907.9	277562.5
-5°	5033.6	4587.9	4418.6	4649.5	5348.7	10373.1	25235.4	48476.1	90128.1	150745.7	237317.7
-7.5°	5071.9	4668.8	4441.2	4588.3	5167.6	8809.4	20148.1	39962.8	71122.7	118620.4	183524.0
-10°	5124.8	4780.2	4472.4	4504.5	4920.5	6688.4	13300.6	28883.7	50722.7	86793.6	130700.8
-12.5°	5191.6	4920.8	4511.5	4400.4	4666.9	5311.4	9319.0	19539.9	35361.0	54453.7	86793.6
-15°	5247.7	5047.2	4661.9	4451.2	4531.2	4914.9	5954.2	10682.9	21680.0	35361.0	50722.7
-17.5°	5228.1	5147.4	4871.3	4509.1	4409.5	4612.8	5070.1	6597.4	10682.9	19539.9	28883.7
-20°	5206.0	5250.3	5055.7	4721.9	4478.9	4429.6	4640.5	5070.1	5954.2	9319.0	13300.6



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5143.7	5224.1	5188.1	4996.2	4645.8	4468.7	4429.6	4612.8	4914.9	5311.4	6688.4
-25°	5059.4	5188.9	5235.2	5151.8	4959.6	4645.8	4478.9	4409.5	4531.2	4666.9	4920.5
-27.5°	4929.0	5092.5	5203.0	5238.9	5151.8	4996.2	4721.9	4509.1	4451.2	4400.4	4504.5
-30°	4770.0	4964.7	5103.7	5203.0	5235.2	5188.1	5055.7	4871.3	4661.9	4511.5	4472.4
-32.5°	4048.7	4787.4	4964.7	5092.5	5188.9	5224.1	5250.3	5147.4	5047.2	4920.8	4780.2
-35°	3178.1	4048.7	4770.0	4929.0	5059.4	5143.7	5206.0	5228.1	5247.7	5191.6	5124.8
-37.5°	2153.3	3084.8	3887.0	4601.4	4858.4	4988.9	5077.4	5142.8	5199.5	5215.2	5228.2
-40°	1706.9	1971.6	2806.8	3567.1	4194.3	4754.7	4866.1	4966.5	5045.2	5091.3	5129.6
-42.5°	1565.2	1667.0	1784.6	2350.0	3040.3	3637.2	4131.9	4577.1	4795.1	4865.6	4924.1
-45°	1507.8	1547.5	1601.4	1704.8	1801.3	2316.7	2857.9	3343.9	3715.5	4026.5	4284.0
-47.5°	1461.1	1488.5	1521.3	1554.2	1600.9	1683.5	1758.7	1888.1	2282.5	2620.5	2900.0
-50°	1380.4	1442.4	1466.5	1489.1	1515.5	1541.6	1565.4	1606.0	1660.6	1707.2	1745.8
-52.5°	1241.3	1315.1	1383.7	1438.9	1458.3	1476.1	1492.3	1511.0	1528.1	1542.7	1554.8
-55°	1080.6	1157.7	1230.4	1292.0	1346.9	1397.3	1437.3	1450.5	1462.1	1472.1	1480.2
-57.5°	908.5	985.1	1055.5	1117.9	1175.6	1228.5	1272.9	1310.2	1342.7	1370.5	1393.4
-60°	733.4	801.2	866.9	928.3	985.1	1037.0	1080.6	1119.4	1153.3	1182.3	1206.1
-62.5°	564.1	621.6	679.5	733.4	783.2	829.5	872.1	909.9	943.0	971.2	994.4
-65°	418.9	465.1	508.4	548.7	586.3	627.2	664.2	697.1	725.9	750.3	770.4
-67.5°	284.1	321.7	356.9	389.7	421.8	452.1	479.5	503.8	525.0	543.0	557.9
-70°	171.6	196.1	219.1	243.3	269.9	294.2	316.2	335.6	352.6	367.1	379.0
-72.5°	90.8	101.2	113.4	132.0	149.1	164.7	178.7	191.2	202.1	211.3	218.9
-75°	46.4	50.9	59.2	67.0	74.1	80.5	86.4	91.6	96.1	99.9	103.1
-77.5°	31.7	33.9	36.0	37.9	39.7	41.3	42.8	44.0	45.2	46.1	46.9
-80°	22.5	23.5	24.5	25.4	26.2	26.9	27.6	28.2	28.7	29.2	29.5
-82.5°	14.7	15.4	16.0	16.5	17.1	17.5	18.0	18.3	18.7	19.0	19.2
-85°	8.9	9.2	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.4	10.5
-87.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
85°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.5	10.4	10.3	10.2
82.5°	19.4	19.5	19.6	19.6	19.6	19.5	19.4	19.2	19.0	18.7	18.3
80°	29.8	30.0	30.2	30.2	30.2	30.0	29.8	29.5	29.2	28.7	28.2
77.5°	47.5	48.0	48.2	48.3	48.2	48.0	47.5	46.9	46.1	45.2	44.0
75°	105.5	107.3	108.3	108.7	108.3	107.3	105.5	103.1	99.9	96.1	91.6
72.5°	224.8	229.1	231.6	232.5	231.6	229.1	224.8	218.9	211.3	202.1	191.2
70°	388.2	394.9	398.9	400.2	398.9	394.9	388.2	379.0	367.1	352.6	335.6
67.5°	569.5	577.7	582.7	584.4	582.7	577.7	569.5	557.9	543.0	525.0	503.8
65°	786.1	797.4	804.1	806.4	804.1	797.4	786.1	770.4	750.3	725.9	697.1
62.5°	1012.5	1025.5	1033.3	1035.9	1033.3	1025.5	1012.5	994.4	971.2	943.0	909.9
60°	1224.7	1238.1	1246.1	1248.8	1246.1	1238.1	1224.7	1206.1	1182.3	1153.3	1119.4
57.5°	1411.3	1424.2	1431.9	1434.5	1431.9	1424.2	1411.3	1393.4	1370.5	1342.7	1310.2
55°	1486.6	1491.2	1494.0	1494.9	1494.0	1491.2	1486.6	1480.2	1472.1	1462.1	1450.5
52.5°	1564.3	1571.0	1575.1	1576.5	1575.1	1571.0	1564.3	1554.8	1542.7	1528.1	1511.0
50°	1776.0	1797.7	1810.7	1815.1	1810.7	1797.7	1776.0	1745.8	1707.2	1660.6	1606.0
47.5°	3119.2	3276.9	3371.9	3403.6	3371.9	3276.9	3119.2	2900.0	2620.5	2282.5	1888.1
45°	4486.3	4631.9	4719.7	4749.0	4719.7	4631.9	4486.3	4284.0	4026.5	3715.5	3343.9
42.5°	4970.1	5003.2	5023.2	5029.9	5023.2	5003.2	4970.1	4924.1	4865.6	4795.1	4577.1
40°	5159.7	5181.5	5194.6	5199.0	5194.6	5181.5	5159.7	5129.6	5091.3	5045.2	4966.5
37.5°	5238.5	5245.9	5250.4	5251.9	5250.4	5245.9	5238.5	5228.2	5215.2	5199.5	5142.8
35°	5071.9	5033.6	5010.5	5002.7	5010.5	5033.6	5071.9	5124.8	5191.6	5247.7	5228.1
32.5°	4668.8	4587.9	4538.9	4522.5	4538.9	4587.9	4668.8	4780.2	4920.8	5047.2	5147.4
30°	4441.2	4418.6	4404.8	4400.2	4404.8	4418.6	4441.2	4472.4	4511.5	4661.9	4871.3
27.5°	4588.3	4649.5	4686.7	4699.2	4686.7	4649.5	4588.3	4504.5	4400.4	4451.2	4509.1
25°	5167.6	5348.7	5459.3	5496.5	5459.3	5348.7	5167.6	4920.5	4666.9	4531.2	4409.5
22.5°	8809.4	10373.1	11332.4	11655.9	11332.4	10373.1	8809.4	6688.4	5311.4	4914.9	4612.8
20°	20148.1	25235.4	28374.6	29436.4	28374.6	25235.4	20148.1	13300.6	9319.0	5954.2	5070.1
17.5°	39962.8	48476.1	53772.4	55572.0	53772.4	48476.1	39962.8	28883.7	19539.9	10682.9	6597.4
15°	71122.7	90128.1	102094.5	106188.1	102094.5	90128.1	71122.7	50722.7	35361.0	21680.0	10682.9
12.5°	118620.4	150745.7	173907.9	182696.6	173907.9	150745.7	118620.4	86793.6	54453.7	35361.0	19539.9
10°	183524.0	237317.7	277562.5	291937.9	277562.5	237317.7	183524.0	130700.8	86793.6	50722.7	28883.7
7.5°	264033.8	336334.6	387137.2	404434.1	387137.2	336334.6	264033.8	183524.0	118620.4	71122.7	39962.8
5°	336334.6	423016.9	480995.3	502443.1	480995.3	423016.9	336334.6	237317.7	150745.7	90128.1	48476.1
2.5°	387137.2	480995.3	549791.2	582411.8	549791.2	480995.3	387137.2	277562.5	173907.9	102094.5	53772.4
0°	404434.1	502443.1	582411.8	630576.4	582411.8	502443.1	404434.1	291937.9	182696.6	106188.1	55572.0
-2.5°	387137.2	480995.3	549791.2	582411.8	549791.2	480995.3	387137.2	277562.5	173907.9	102094.5	53772.4
-5°	336334.6	423016.9	480995.3	502443.1	480995.3	423016.9	336334.6	237317.7	150745.7	90128.1	48476.1
-7.5°	264033.8	336334.6	387137.2	404434.1	387137.2	336334.6	264033.8	183524.0	118620.4	71122.7	39962.8
-10°	183524.0	237317.7	277562.5	291937.9	277562.5	237317.7	183524.0	130700.8	86793.6	50722.7	28883.7
-12.5°	118620.4	150745.7	173907.9	182696.6	173907.9	150745.7	118620.4	86793.6	54453.7	35361.0	19539.9
-15°	71122.7	90128.1	102094.5	106188.1	102094.5	90128.1	71122.7	50722.7	35361.0	21680.0	10682.9
-17.5°	39962.8	48476.1	53772.4	55572.0	53772.4	48476.1	39962.8	28883.7	19539.9	10682.9	6597.4
-20°	20148.1	25235.4	28374.6	29436.4	28374.6	25235.4	20148.1	13300.6	9319.0	5954.2	5070.1



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8809.4	10373.1	11332.4	11655.9	11332.4	10373.1	8809.4	6688.4	5311.4	4914.9	4612.8
-25°	5167.6	5348.7	5459.3	5496.5	5459.3	5348.7	5167.6	4920.5	4666.9	4531.2	4409.5
-27.5°	4588.3	4649.5	4686.7	4699.2	4686.7	4649.5	4588.3	4504.5	4400.4	4451.2	4509.1
-30°	4441.2	4418.6	4404.8	4400.2	4404.8	4418.6	4441.2	4472.4	4511.5	4661.9	4871.3
-32.5°	4668.8	4587.9	4538.9	4522.5	4538.9	4587.9	4668.8	4780.2	4920.8	5047.2	5147.4
-35°	5071.9	5033.6	5010.5	5002.7	5010.5	5033.6	5071.9	5124.8	5191.6	5247.7	5228.1
-37.5°	5238.5	5245.9	5250.4	5251.9	5250.4	5245.9	5238.5	5228.2	5215.2	5199.5	5142.8
-40°	5159.7	5181.5	5194.6	5199.0	5194.6	5181.5	5159.7	5129.6	5091.3	5045.2	4966.5
-42.5°	4970.1	5003.2	5023.2	5029.9	5023.2	5003.2	4970.1	4924.1	4865.6	4795.1	4577.1
-45°	4486.3	4631.9	4719.7	4749.0	4719.7	4631.9	4486.3	4284.0	4026.5	3715.5	3343.9
-47.5°	3119.2	3276.9	3371.9	3403.6	3371.9	3276.9	3119.2	2900.0	2620.5	2282.5	1888.1
-50°	1776.0	1797.7	1810.7	1815.1	1810.7	1797.7	1776.0	1745.8	1707.2	1660.6	1606.0
-52.5°	1564.3	1571.0	1575.1	1576.5	1575.1	1571.0	1564.3	1554.8	1542.7	1528.1	1511.0
-55°	1486.6	1491.2	1494.0	1494.9	1494.0	1491.2	1486.6	1480.2	1472.1	1462.1	1450.5
-57.5°	1411.3	1424.2	1431.9	1434.5	1431.9	1424.2	1411.3	1393.4	1370.5	1342.7	1310.2
-60°	1224.7	1238.1	1246.1	1248.8	1246.1	1238.1	1224.7	1206.1	1182.3	1153.3	1119.4
-62.5°	1012.5	1025.5	1033.3	1035.9	1033.3	1025.5	1012.5	994.4	971.2	943.0	909.9
-65°	786.1	797.4	804.1	806.4	804.1	797.4	786.1	770.4	750.3	725.9	697.1
-67.5°	569.5	577.7	582.7	584.4	582.7	577.7	569.5	557.9	543.0	525.0	503.8
-70°	388.2	394.9	398.9	400.2	398.9	394.9	388.2	379.0	367.1	352.6	335.6
-72.5°	224.8	229.1	231.6	232.5	231.6	229.1	224.8	218.9	211.3	202.1	191.2
-75°	105.5	107.3	108.3	108.7	108.3	107.3	105.5	103.1	99.9	96.1	91.6
-77.5°	47.5	48.0	48.2	48.3	48.2	48.0	47.5	46.9	46.1	45.2	44.0
-80°	29.8	30.0	30.2	30.2	30.2	30.0	29.8	29.5	29.2	28.7	28.2
-82.5°	19.4	19.5	19.6	19.6	19.6	19.5	19.4	19.2	19.0	18.7	18.3
-85°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.5	10.4	10.3	10.2
-87.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
85°	10.0	9.9	9.7	9.6	9.4	9.2	8.9	8.7	8.4	8.2	7.9
82.5°	18.0	17.5	17.1	16.5	16.0	15.4	14.7	14.0	13.3	12.5	11.7
80°	27.6	26.9	26.2	25.4	24.5	23.5	22.5	21.4	20.2	19.1	18.0
77.5°	42.8	41.3	39.7	37.9	36.0	33.9	31.7	29.7	28.3	26.7	25.1
75°	86.4	80.5	74.1	67.0	59.2	50.9	46.4	43.6	40.6	37.4	34.1
72.5°	178.7	164.7	149.1	132.0	113.4	101.2	90.8	79.8	68.1	55.8	46.7
70°	316.2	294.2	269.9	243.3	219.1	196.1	171.6	145.6	118.1	99.2	84.4
67.5°	479.5	452.1	421.8	389.7	356.9	321.7	284.1	244.2	210.1	177.4	143.4
65°	664.2	627.2	586.3	548.7	508.4	465.1	418.9	372.7	325.7	276.4	226.9
62.5°	872.1	829.5	783.2	733.4	679.5	621.6	564.1	509.9	452.9	393.7	336.9
60°	1080.6	1037.0	985.1	928.3	866.9	801.2	733.4	661.7	586.3	520.4	452.1
57.5°	1272.9	1228.5	1175.6	1117.9	1055.5	985.1	908.5	827.6	744.7	658.7	571.8
55°	1437.3	1397.3	1346.9	1292.0	1230.4	1157.7	1080.6	996.2	904.1	807.9	711.2
52.5°	1492.3	1476.1	1458.3	1438.9	1383.7	1315.1	1241.3	1153.3	1061.2	959.6	852.0
50°	1565.4	1541.6	1515.5	1489.1	1466.5	1442.4	1380.4	1297.9	1206.1	1103.1	993.1
47.5°	1758.7	1683.5	1600.9	1554.2	1521.3	1488.5	1461.1	1427.9	1335.5	1238.1	1124.1
45°	2857.9	2316.7	1801.3	1704.8	1601.4	1547.5	1507.8	1473.7	1441.7	1354.4	1248.8
42.5°	4131.9	3637.2	3040.3	2350.0	1784.6	1667.0	1565.2	1520.9	1480.1	1444.8	1354.4
40°	4866.1	4754.7	4194.3	3567.1	2806.8	1971.6	1706.9	1574.1	1525.3	1480.1	1441.7
37.5°	5077.4	4988.9	4858.4	4601.4	3887.0	3084.8	2153.3	1720.3	1574.1	1520.9	1473.7
35°	5206.0	5143.7	5059.4	4929.0	4770.0	4048.7	3178.1	2153.3	1706.9	1565.2	1507.8
32.5°	5250.3	5224.1	5188.9	5092.5	4964.7	4787.4	4048.7	3084.8	1971.6	1667.0	1547.5
30°	5055.7	5188.1	5235.2	5203.0	5103.7	4964.7	4770.0	3887.0	2806.8	1784.6	1601.4
27.5°	4721.9	4996.2	5151.8	5238.9	5203.0	5092.5	4929.0	4601.4	3567.1	2350.0	1704.8
25°	4478.9	4645.8	4959.6	5151.8	5235.2	5188.9	5059.4	4858.4	4194.3	3040.3	1801.3
22.5°	4429.6	4468.7	4645.8	4996.2	5188.1	5224.1	5143.7	4988.9	4754.7	3637.2	2316.7
20°	4640.5	4429.6	4478.9	4721.9	5055.7	5250.3	5206.0	5077.4	4866.1	4131.9	2857.9
17.5°	5070.1	4612.8	4409.5	4509.1	4871.3	5147.4	5228.1	5142.8	4966.5	4577.1	3343.9
15°	5954.2	4914.9	4531.2	4451.2	4661.9	5047.2	5247.7	5199.5	5045.2	4795.1	3715.5
12.5°	9319.0	5311.4	4666.9	4400.4	4511.5	4920.8	5191.6	5215.2	5091.3	4865.6	4026.5
10°	13300.6	6688.4	4920.5	4504.5	4472.4	4780.2	5124.8	5228.2	5129.6	4924.1	4284.0
7.5°	20148.1	8809.4	5167.6	4588.3	4441.2	4668.8	5071.9	5238.5	5159.7	4970.1	4486.3
5°	25235.4	10373.1	5348.7	4649.5	4418.6	4587.9	5033.6	5245.9	5181.5	5003.2	4631.9
2.5°	28374.6	11332.4	5459.3	4686.7	4404.8	4538.9	5010.5	5250.4	5194.6	5023.2	4719.7
0°	29436.4	11655.9	5496.5	4699.2	4400.2	4522.5	5002.7	5251.9	5199.0	5029.9	4749.0
-2.5°	28374.6	11332.4	5459.3	4686.7	4404.8	4538.9	5010.5	5250.4	5194.6	5023.2	4719.7
-5°	25235.4	10373.1	5348.7	4649.5	4418.6	4587.9	5033.6	5245.9	5181.5	5003.2	4631.9
-7.5°	20148.1	8809.4	5167.6	4588.3	4441.2	4668.8	5071.9	5238.5	5159.7	4970.1	4486.3
-10°	13300.6	6688.4	4920.5	4504.5	4472.4	4780.2	5124.8	5228.2	5129.6	4924.1	4284.0
-12.5°	9319.0	5311.4	4666.9	4400.4	4511.5	4920.8	5191.6	5215.2	5091.3	4865.6	4026.5
-15°	5954.2	4914.9	4531.2	4451.2	4661.9	5047.2	5247.7	5199.5	5045.2	4795.1	3715.5
-17.5°	5070.1	4612.8	4409.5	4509.1	4871.3	5147.4	5228.1	5142.8	4966.5	4577.1	3343.9
-20°	4640.5	4429.6	4478.9	4721.9	5055.7	5250.3	5206.0	5077.4	4866.1	4131.9	2857.9



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4429.6	4468.7	4645.8	4996.2	5188.1	5224.1	5143.7	4988.9	4754.7	3637.2	2316.7
-25°	4478.9	4645.8	4959.6	5151.8	5235.2	5188.9	5059.4	4858.4	4194.3	3040.3	1801.3
-27.5°	4721.9	4996.2	5151.8	5238.9	5203.0	5092.5	4929.0	4601.4	3567.1	2350.0	1704.8
-30°	5055.7	5188.1	5235.2	5203.0	5103.7	4964.7	4770.0	3887.0	2806.8	1784.6	1601.4
-32.5°	5250.3	5224.1	5188.9	5092.5	4964.7	4787.4	4048.7	3084.8	1971.6	1667.0	1547.5
-35°	5206.0	5143.7	5059.4	4929.0	4770.0	4048.7	3178.1	2153.3	1706.9	1565.2	1507.8
-37.5°	5077.4	4988.9	4858.4	4601.4	3887.0	3084.8	2153.3	1720.3	1574.1	1520.9	1473.7
-40°	4866.1	4754.7	4194.3	3567.1	2806.8	1971.6	1706.9	1574.1	1525.3	1480.1	1441.7
-42.5°	4131.9	3637.2	3040.3	2350.0	1784.6	1667.0	1565.2	1520.9	1480.1	1444.8	1354.4
-45°	2857.9	2316.7	1801.3	1704.8	1601.4	1547.5	1507.8	1473.7	1441.7	1354.4	1248.8
-47.5°	1758.7	1683.5	1600.9	1554.2	1521.3	1488.5	1461.1	1427.9	1335.5	1238.1	1124.1
-50°	1565.4	1541.6	1515.5	1489.1	1466.5	1442.4	1380.4	1297.9	1206.1	1103.1	993.1
-52.5°	1492.3	1476.1	1458.3	1438.9	1383.7	1315.1	1241.3	1153.3	1061.2	959.6	852.0
-55°	1437.3	1397.3	1346.9	1292.0	1230.4	1157.7	1080.6	996.2	904.1	807.9	711.2
-57.5°	1272.9	1228.5	1175.6	1117.9	1055.5	985.1	908.5	827.6	744.7	658.7	571.8
-60°	1080.6	1037.0	985.1	928.3	866.9	801.2	733.4	661.7	586.3	520.4	452.1
-62.5°	872.1	829.5	783.2	733.4	679.5	621.6	564.1	509.9	452.9	393.7	336.9
-65°	664.2	627.2	586.3	548.7	508.4	465.1	418.9	372.7	325.7	276.4	226.9
-67.5°	479.5	452.1	421.8	389.7	356.9	321.7	284.1	244.2	210.1	177.4	143.4
-70°	316.2	294.2	269.9	243.3	219.1	196.1	171.6	145.6	118.1	99.2	84.4
-72.5°	178.7	164.7	149.1	132.0	113.4	101.2	90.8	79.8	68.1	55.8	46.7
-75°	86.4	80.5	74.1	67.0	59.2	50.9	46.4	43.6	40.6	37.4	34.1
-77.5°	42.8	41.3	39.7	37.9	36.0	33.9	31.7	29.7	28.3	26.7	25.1
-80°	27.6	26.9	26.2	25.4	24.5	23.5	22.5	21.4	20.2	19.1	18.0
-82.5°	18.0	17.5	17.1	16.5	16.0	15.4	14.7	14.0	13.3	12.5	11.7
-85°	10.0	9.9	9.7	9.6	9.4	9.2	8.9	8.7	8.4	8.2	7.9
-87.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8
85°	7.6	7.3	7.0	6.7	6.3	6.0	5.5	5.1	4.6	4.1	3.6
82.5°	10.8	10.3	9.8	9.3	8.8	8.3	7.8	7.2	6.7	6.1	5.4
80°	16.9	15.7	14.4	13.2	11.9	10.6	9.9	9.1	8.4	7.7	6.9
77.5°	23.5	21.7	19.9	18.3	16.6	15.0	13.2	11.5	10.1	9.2	8.3
75°	30.7	28.4	26.2	24.0	21.7	19.4	17.3	15.2	13.1	10.9	9.6
72.5°	42.7	38.5	34.2	29.9	27.2	24.5	21.6	18.9	16.4	13.9	11.3
70°	69.1	53.1	44.8	39.7	34.5	29.5	26.3	23.0	19.7	16.8	13.9
67.5°	108.3	90.3	71.8	52.6	43.7	37.7	31.5	27.3	23.5	19.7	16.4
65°	187.4	146.5	106.5	85.2	63.4	46.1	39.3	32.3	27.3	23.0	18.9
62.5°	277.9	220.9	174.3	126.4	93.4	68.8	46.9	39.3	31.5	26.3	21.6
60°	382.9	316.2	247.3	191.2	137.6	96.1	68.8	46.1	37.7	29.5	24.5
57.5°	494.8	415.3	339.3	262.7	196.8	137.6	93.4	63.4	43.7	34.5	27.2
55°	611.0	520.6	432.4	347.0	262.7	191.2	126.4	85.2	52.6	39.7	29.9
52.5°	742.9	632.0	529.3	432.4	339.3	247.3	174.3	106.5	71.8	44.8	34.2
50°	874.2	753.5	632.0	520.6	415.3	316.2	220.9	146.5	90.3	53.1	38.5
47.5°	1004.4	874.2	742.9	611.0	494.8	382.9	277.9	187.4	108.3	69.1	42.7
45°	1124.1	993.1	852.0	711.2	571.8	452.1	336.9	226.9	143.4	84.4	46.7
42.5°	1238.1	1103.1	959.6	807.9	658.7	520.4	393.7	276.4	177.4	99.2	55.8
40°	1335.5	1206.1	1061.2	904.1	744.7	586.3	452.9	325.7	210.1	118.1	68.1
37.5°	1427.9	1297.9	1153.3	996.2	827.6	661.7	509.9	372.7	244.2	145.6	79.8
35°	1461.1	1380.4	1241.3	1080.6	908.5	733.4	564.1	418.9	284.1	171.6	90.8
32.5°	1488.5	1442.4	1315.1	1157.7	985.1	801.2	621.6	465.1	321.7	196.1	101.2
30°	1521.3	1466.5	1383.7	1230.4	1055.5	866.9	679.5	508.4	356.9	219.1	113.4
27.5°	1554.2	1489.1	1438.9	1292.0	1117.9	928.3	733.4	548.7	389.7	243.3	132.0
25°	1600.9	1515.5	1458.3	1346.9	1175.6	985.1	783.2	586.3	421.8	269.9	149.1
22.5°	1683.5	1541.6	1476.1	1397.3	1228.5	1037.0	829.5	627.2	452.1	294.2	164.7
20°	1758.7	1565.4	1492.3	1437.3	1272.9	1080.6	872.1	664.2	479.5	316.2	178.7
17.5°	1888.1	1606.0	1511.0	1450.5	1310.2	1119.4	909.9	697.1	503.8	335.6	191.2
15°	2282.5	1660.6	1528.1	1462.1	1342.7	1153.3	943.0	725.9	525.0	352.6	202.1
12.5°	2620.5	1707.2	1542.7	1472.1	1370.5	1182.3	971.2	750.3	543.0	367.1	211.3
10°	2900.0	1745.8	1554.8	1480.2	1393.4	1206.1	994.4	770.4	557.9	379.0	218.9
7.5°	3119.2	1776.0	1564.3	1486.6	1411.3	1224.7	1012.5	786.1	569.5	388.2	224.8
5°	3276.9	1797.7	1571.0	1491.2	1424.2	1238.1	1025.5	797.4	577.7	394.9	229.1
2.5°	3371.9	1810.7	1575.1	1494.0	1431.9	1246.1	1033.3	804.1	582.7	398.9	231.6
0°	3403.6	1815.1	1576.5	1494.9	1434.5	1248.8	1035.9	806.4	584.4	400.2	232.5
-2.5°	3371.9	1810.7	1575.1	1494.0	1431.9	1246.1	1033.3	804.1	582.7	398.9	231.6
-5°	3276.9	1797.7	1571.0	1491.2	1424.2	1238.1	1025.5	797.4	577.7	394.9	229.1
-7.5°	3119.2	1776.0	1564.3	1486.6	1411.3	1224.7	1012.5	786.1	569.5	388.2	224.8
-10°	2900.0	1745.8	1554.8	1480.2	1393.4	1206.1	994.4	770.4	557.9	379.0	218.9
-12.5°	2620.5	1707.2	1542.7	1472.1	1370.5	1182.3	971.2	750.3	543.0	367.1	211.3
-15°	2282.5	1660.6	1528.1	1462.1	1342.7	1153.3	943.0	725.9	525.0	352.6	202.1
-17.5°	1888.1	1606.0	1511.0	1450.5	1310.2	1119.4	909.9	697.1	503.8	335.6	191.2
-20°	1758.7	1565.4	1492.3	1437.3	1272.9	1080.6	872.1	664.2	479.5	316.2	178.7



REPORT NUMBER: P731258 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	1683.5	1541.6	1476.1	1397.3	1228.5	1037.0	829.5	627.2	452.1	294.2	164.7
-25°	1600.9	1515.5	1458.3	1346.9	1175.6	985.1	783.2	586.3	421.8	269.9	149.1
-27.5°	1554.2	1489.1	1438.9	1292.0	1117.9	928.3	733.4	548.7	389.7	243.3	132.0
-30°	1521.3	1466.5	1383.7	1230.4	1055.5	866.9	679.5	508.4	356.9	219.1	113.4
-32.5°	1488.5	1442.4	1315.1	1157.7	985.1	801.2	621.6	465.1	321.7	196.1	101.2
-35°	1461.1	1380.4	1241.3	1080.6	908.5	733.4	564.1	418.9	284.1	171.6	90.8
-37.5°	1427.9	1297.9	1153.3	996.2	827.6	661.7	509.9	372.7	244.2	145.6	79.8
-40°	1335.5	1206.1	1061.2	904.1	744.7	586.3	452.9	325.7	210.1	118.1	68.1
-42.5°	1238.1	1103.1	959.6	807.9	658.7	520.4	393.7	276.4	177.4	99.2	55.8
-45°	1124.1	993.1	852.0	711.2	571.8	452.1	336.9	226.9	143.4	84.4	46.7
-47.5°	1004.4	874.2	742.9	611.0	494.8	382.9	277.9	187.4	108.3	69.1	42.7
-50°	874.2	753.5	632.0	520.6	415.3	316.2	220.9	146.5	90.3	53.1	38.5
-52.5°	742.9	632.0	529.3	432.4	339.3	247.3	174.3	106.5	71.8	44.8	34.2
-55°	611.0	520.6	432.4	347.0	262.7	191.2	126.4	85.2	52.6	39.7	29.9
-57.5°	494.8	415.3	339.3	262.7	196.8	137.6	93.4	63.4	43.7	34.5	27.2
-60°	382.9	316.2	247.3	191.2	137.6	96.1	68.8	46.1	37.7	29.5	24.5
-62.5°	277.9	220.9	174.3	126.4	93.4	68.8	46.9	39.3	31.5	26.3	21.6
-65°	187.4	146.5	106.5	85.2	63.4	46.1	39.3	32.3	27.3	23.0	18.9
-67.5°	108.3	90.3	71.8	52.6	43.7	37.7	31.5	27.3	23.5	19.7	16.4
-70°	69.1	53.1	44.8	39.7	34.5	29.5	26.3	23.0	19.7	16.8	13.9
-72.5°	42.7	38.5	34.2	29.9	27.2	24.5	21.6	18.9	16.4	13.9	11.3
-75°	30.7	28.4	26.2	24.0	21.7	19.4	17.3	15.2	13.1	10.9	9.6
-77.5°	23.5	21.7	19.9	18.3	16.6	15.0	13.2	11.5	10.1	9.2	8.3
-80°	16.9	15.7	14.4	13.2	11.9	10.6	9.9	9.1	8.4	7.7	6.9
-82.5°	10.8	10.3	9.8	9.3	8.8	8.3	7.8	7.2	6.7	6.1	5.4
-85°	7.6	7.3	7.0	6.7	6.3	6.0	5.5	5.1	4.6	4.1	3.6
-87.5°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
80°	6.1	5.2	4.1	3.1	2.1	1.0	0.0
77.5°	7.3	6.3	5.2	3.9	2.6	1.3	0.0
75°	8.5	7.3	6.1	4.6	3.1	1.6	0.0
72.5°	9.6	8.3	6.9	5.4	3.6	1.8	0.0
70°	10.9	9.2	7.7	6.1	4.1	2.1	0.0
67.5°	13.1	10.1	8.4	6.7	4.6	2.3	0.0
65°	15.2	11.5	9.1	7.2	5.1	2.5	0.0
62.5°	17.3	13.2	9.9	7.8	5.5	2.8	0.0
60°	19.4	15.0	10.6	8.3	6.0	3.0	0.0
57.5°	21.7	16.6	11.9	8.8	6.3	3.2	0.0
55°	24.0	18.3	13.2	9.3	6.7	3.4	0.0
52.5°	26.2	19.9	14.4	9.8	7.0	3.7	0.0
50°	28.4	21.7	15.7	10.3	7.3	3.9	0.0
47.5°	30.7	23.5	16.9	10.8	7.6	4.1	0.0
45°	34.1	25.1	18.0	11.7	7.9	4.2	0.0
42.5°	37.4	26.7	19.1	12.5	8.2	4.4	0.0
40°	40.6	28.3	20.2	13.3	8.4	4.6	0.0
37.5°	43.6	29.7	21.4	14.0	8.7	4.8	0.0
35°	46.4	31.7	22.5	14.7	8.9	4.9	0.0
32.5°	50.9	33.9	23.5	15.4	9.2	5.1	0.0
30°	59.2	36.0	24.5	16.0	9.4	5.2	0.0
27.5°	67.0	37.9	25.4	16.5	9.6	5.3	0.0
25°	74.1	39.7	26.2	17.1	9.7	5.4	0.0
22.5°	80.5	41.3	26.9	17.5	9.9	5.5	0.0
20°	86.4	42.8	27.6	18.0	10.0	5.6	0.0
17.5°	91.6	44.0	28.2	18.3	10.2	5.7	0.0
15°	96.1	45.2	28.7	18.7	10.3	5.8	0.0
12.5°	99.9	46.1	29.2	19.0	10.4	5.9	0.0
10°	103.1	46.9	29.5	19.2	10.5	5.9	0.0
7.5°	105.5	47.5	29.8	19.4	10.5	5.9	0.0
5°	107.3	48.0	30.0	19.5	10.6	6.0	0.0
2.5°	108.3	48.2	30.2	19.6	10.6	6.0	0.0
0°	108.7	48.3	30.2	19.6	10.6	6.0	0.0
-2.5°	108.3	48.2	30.2	19.6	10.6	6.0	0.0
-5°	107.3	48.0	30.0	19.5	10.6	6.0	0.0
-7.5°	105.5	47.5	29.8	19.4	10.5	5.9	0.0
-10°	103.1	46.9	29.5	19.2	10.5	5.9	0.0
-12.5°	99.9	46.1	29.2	19.0	10.4	5.9	0.0
-15°	96.1	45.2	28.7	18.7	10.3	5.8	0.0
-17.5°	91.6	44.0	28.2	18.3	10.2	5.7	0.0
-20°	86.4	42.8	27.6	18.0	10.0	5.6	0.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	80.5	41.3	26.9	17.5	9.9	5.5	0.0
-25°	74.1	39.7	26.2	17.1	9.7	5.4	0.0
-27.5°	67.0	37.9	25.4	16.5	9.6	5.3	0.0
-30°	59.2	36.0	24.5	16.0	9.4	5.2	0.0
-32.5°	50.9	33.9	23.5	15.4	9.2	5.1	0.0
-35°	46.4	31.7	22.5	14.7	8.9	4.9	0.0
-37.5°	43.6	29.7	21.4	14.0	8.7	4.8	0.0
-40°	40.6	28.3	20.2	13.3	8.4	4.6	0.0
-42.5°	37.4	26.7	19.1	12.5	8.2	4.4	0.0
-45°	34.1	25.1	18.0	11.7	7.9	4.2	0.0
-47.5°	30.7	23.5	16.9	10.8	7.6	4.1	0.0
-50°	28.4	21.7	15.7	10.3	7.3	3.9	0.0
-52.5°	26.2	19.9	14.4	9.8	7.0	3.7	0.0
-55°	24.0	18.3	13.2	9.3	6.7	3.4	0.0
-57.5°	21.7	16.6	11.9	8.8	6.3	3.2	0.0
-60°	19.4	15.0	10.6	8.3	6.0	3.0	0.0
-62.5°	17.3	13.2	9.9	7.8	5.5	2.8	0.0
-65°	15.2	11.5	9.1	7.2	5.1	2.5	0.0
-67.5°	13.1	10.1	8.4	6.7	4.6	2.3	0.0
-70°	10.9	9.2	7.7	6.1	4.1	2.1	0.0
-72.5°	9.6	8.3	6.9	5.4	3.6	1.8	0.0
-75°	8.5	7.3	6.1	4.6	3.1	1.6	0.0
-77.5°	7.3	6.3	5.2	3.9	2.6	1.3	0.0
-80°	6.1	5.2	4.1	3.1	2.1	1.0	0.0
-82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
-85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-87.5°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

