

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: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-1S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731294 (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-08-0680N-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

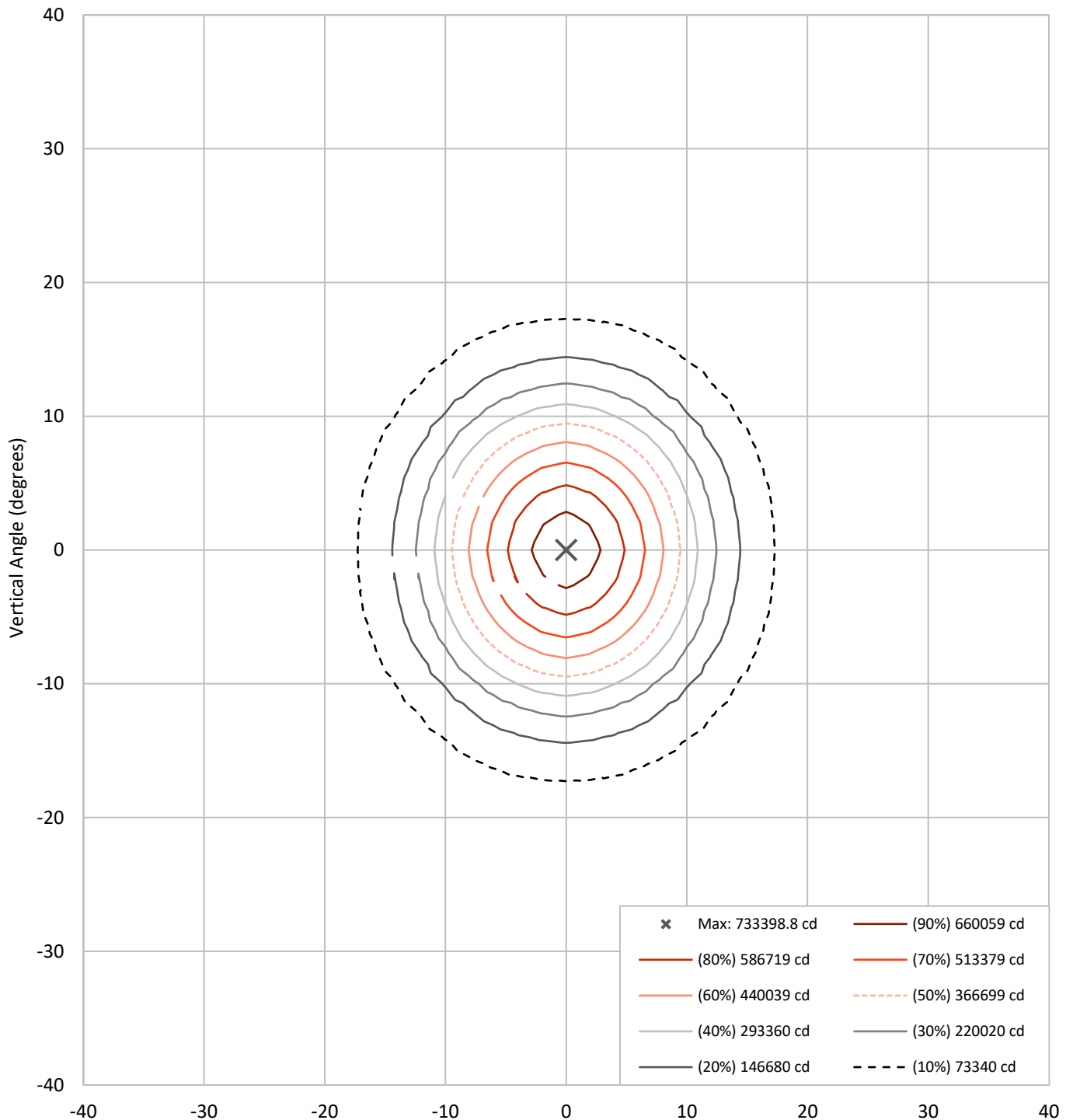
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	99350.3 lumens	Max Intensity:	733398.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	137.2 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:	42821.3 lumens	Field Lumens:	78886.1 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 724.3
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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CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-HEG

Iso-Candela Plot





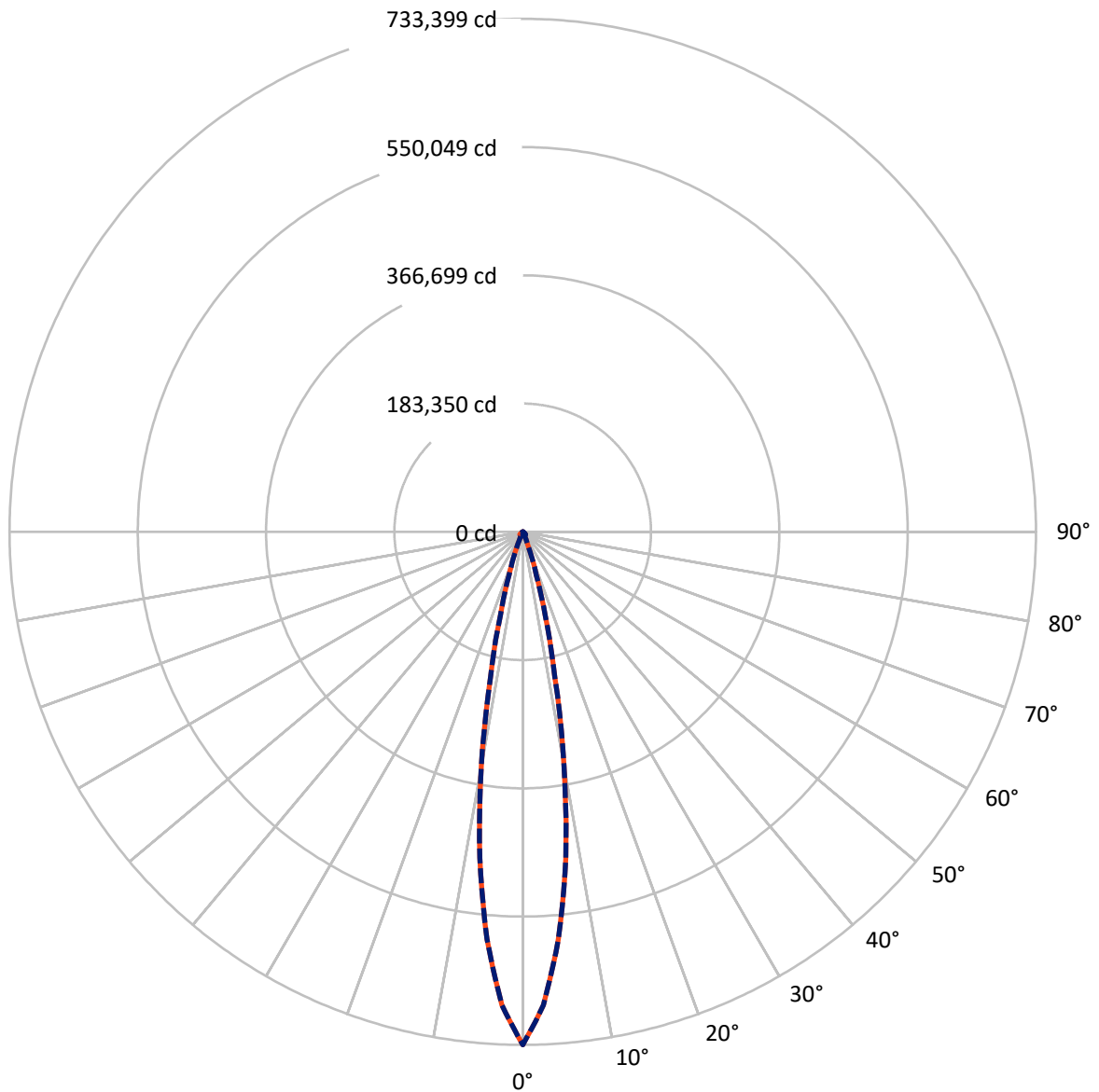
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Lumen Table

90	0.1	1.0	3.4	8.6	11.4	8.6	3.4	1.0	0.1							
80	0.1	1.0	3.4	8.6	11.4	8.6	3.4	1.0	0.1							
70	0.4	0.5	2.1	6.2	12.5	19.4	25.1	28.2	28.2	25.1	19.4	12.5	6.2	2.1	0.5	0.4
60		1.6	7.3	18.0	31.0	41.8	49.0	52.8	52.8	49.0	41.8	31.0	18.0	7.3	1.6	
50	1.1	3.8	14.7	30.7	44.8	75.9	119.5	143.6	143.6	119.5	75.9	44.8	30.7	14.7	3.8	1.1
40		6.7	21.9	38.7	91.7	156.9	173.3	173.6	173.6	173.3	156.9	91.7	38.7	21.9	6.7	
30	2.5	9.3	26.7	59.9	141.9	157.2	172.7	299.4	299.4	172.7	157.2	141.9	59.9	26.7	9.3	2.5
20		11.3	29.3	88.8	146.9	162.2	948.7	3542.7	3542.7	948.7	162.2	146.9	88.8	29.3	11.3	
10	3.2	12.4	30.6	103.1	142.5	275.4	3456.9	13604.2	13604.2	3456.9	275.4	142.5	103.1	30.6	12.4	3.2
0		12.4	30.6	103.1	142.5	275.4	3456.9	13604.2	13604.2	3456.9	275.4	142.5	103.1	30.6	12.4	
-10	2.5	11.3	29.3	88.8	146.9	162.2	948.7	3542.7	3542.7	948.7	162.2	146.9	88.8	29.3	11.3	2.5
-20		9.3	26.7	59.9	141.9	157.2	172.7	299.4	299.4	172.7	157.2	141.9	59.9	26.7	9.3	
-30	1.1	6.7	21.9	38.7	91.7	156.9	173.3	173.6	173.6	173.3	156.9	91.7	38.7	21.9	6.7	1.1
-40		3.8	14.7	30.7	44.8	75.9	119.5	143.6	143.6	119.5	75.9	44.8	30.7	14.7	3.8	
-50	0.4	1.6	7.3	18.0	31.0	41.8	49.0	52.8	52.8	49.0	41.8	31.0	18.0	7.3	1.6	0.4
-60		0.5	2.1	6.2	12.5	19.4	25.1	28.2	28.2	25.1	19.4	12.5	6.2	2.1	0.5	
-70	0.1	1.0	3.4	8.6	11.4	8.6	3.4	1.0	0.1							
-80		0.1	1.0	3.4	8.6	11.4	8.6	3.4	1.0	0.1						
-90	0.1	1.0	3.4	8.6	11.4	8.6	3.4	1.0	0.1							

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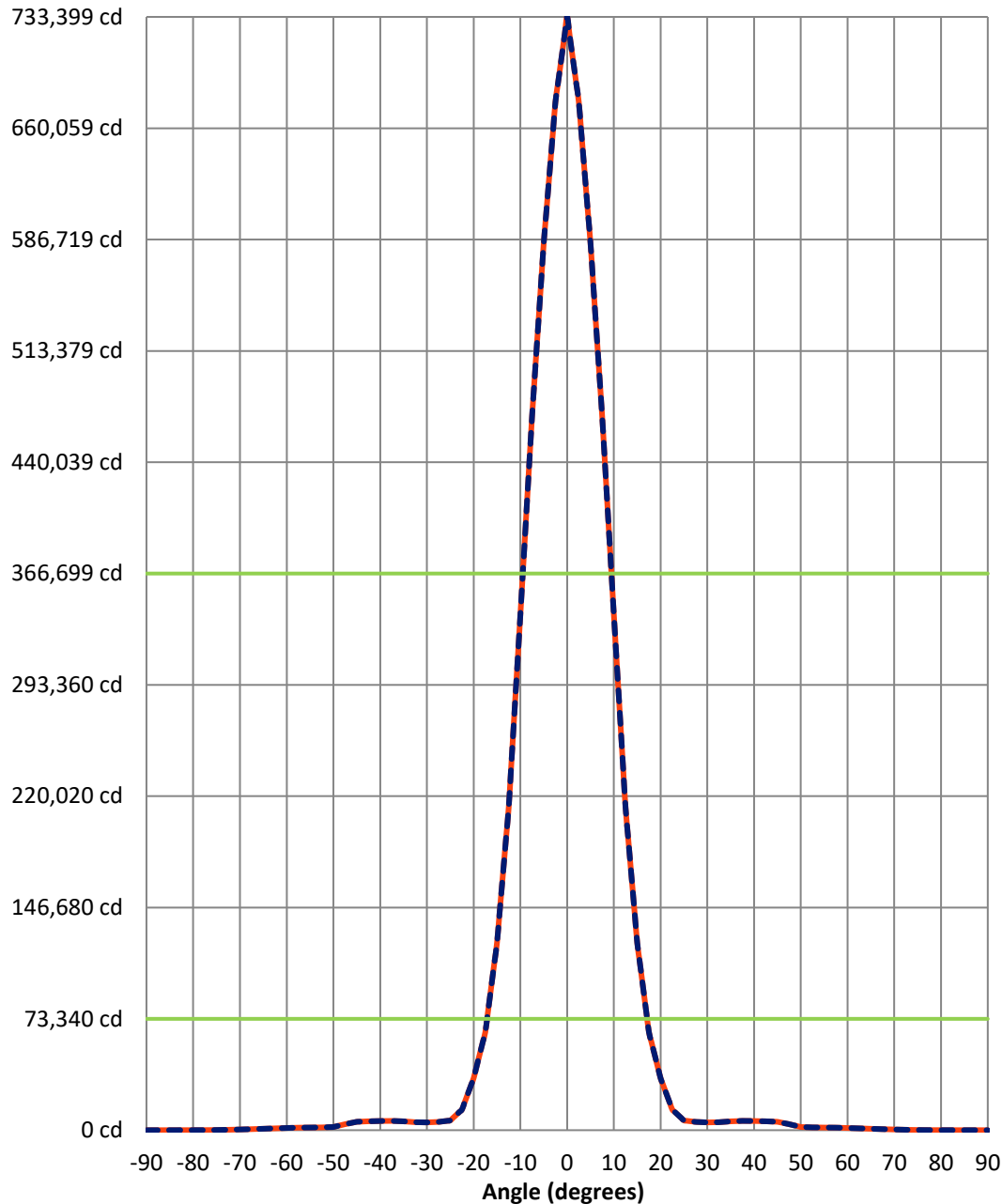
Luminous Intensity Polar Plot



— 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: 42821.3
 Efficiency: 43.1%

Field:
 H Angle: 34.3°
 V Angle: 34.3°
 Lumens: 78886.1
 Efficiency: 79.4%

Spill:
 Lumens: 20464.2
 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	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.1	7.8	8.4
80°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.0	8.9	9.8	10.6
77.5°	0.0	1.5	3.0	4.5	6.0	7.4	8.5	9.6	10.7	11.8	13.3
75°	0.0	1.8	3.6	5.4	7.2	8.5	9.8	11.2	12.6	15.2	17.7
72.5°	0.0	2.1	4.2	6.3	8.0	9.6	11.2	13.1	16.1	19.1	22.0
70°	0.0	2.4	4.8	7.1	8.9	10.7	12.6	16.1	19.5	22.9	26.8
67.5°	0.0	2.7	5.4	7.8	9.8	11.8	15.2	19.1	22.9	27.3	31.7
65°	0.0	3.0	5.9	8.4	10.6	13.3	17.7	22.0	26.8	31.7	37.5
62.5°	0.0	3.2	6.5	9.0	11.4	15.4	20.1	25.2	30.6	36.6	45.7
60°	0.0	3.5	7.0	9.6	12.3	17.4	22.5	28.4	34.3	43.8	53.7
57.5°	0.0	3.8	7.4	10.2	13.8	19.3	25.2	31.6	40.1	50.8	73.8
55°	0.0	4.0	7.8	10.8	15.3	21.3	27.9	34.8	46.2	61.2	99.2
52.5°	0.0	4.3	8.1	11.4	16.8	23.2	30.5	39.7	52.1	83.5	123.9
50°	0.0	4.5	8.5	11.9	18.2	25.2	33.0	44.8	61.8	105.1	170.4
47.5°	0.0	4.7	8.9	12.5	19.6	27.3	35.7	49.6	80.4	126.0	218.1
45°	0.0	4.9	9.2	13.5	20.9	29.2	39.7	54.3	98.3	166.8	264.0
42.5°	0.0	5.2	9.5	14.5	22.2	31.1	43.5	64.9	115.4	206.5	321.6
40°	0.0	5.4	9.8	15.4	23.5	32.9	47.2	79.2	137.4	244.4	378.8
37.5°	0.0	5.6	10.1	16.3	24.9	34.5	50.7	92.8	169.4	284.1	433.4
35°	0.0	5.7	10.4	17.1	26.1	36.9	54.0	105.7	199.7	330.4	487.2
32.5°	0.0	5.9	10.6	17.8	27.3	39.5	59.2	117.8	228.2	374.1	540.9
30°	0.0	6.1	10.9	18.6	28.5	41.9	68.9	132.0	254.9	415.1	591.3
27.5°	0.0	6.2	11.1	19.2	29.5	44.1	77.9	153.6	283.0	453.2	638.2
25°	0.0	6.3	11.3	19.8	30.4	46.2	86.2	173.4	314.0	490.6	681.9
22.5°	0.0	6.5	11.5	20.4	31.3	48.1	93.7	191.6	342.2	525.8	729.5
20°	0.0	6.6	11.7	20.9	32.1	49.7	100.5	207.9	367.7	557.6	772.5
17.5°	0.0	6.7	11.8	21.3	32.8	51.2	106.6	222.4	390.4	585.9	810.8
15°	0.0	6.8	11.9	21.7	33.4	52.6	111.8	235.1	410.1	610.6	844.2
12.5°	0.0	6.8	12.0	22.0	33.9	53.7	116.3	245.9	426.9	631.6	872.6
10°	0.0	6.9	12.1	22.3	34.3	54.6	119.9	254.7	440.7	648.8	896.0
7.5°	0.0	6.9	12.2	22.5	34.7	55.3	122.8	261.6	451.5	662.3	914.2
5°	0.0	7.0	12.3	22.7	34.9	55.8	124.9	266.5	459.2	672.0	927.3
2.5°	0.0	7.0	12.3	22.8	35.1	56.1	126.1	269.5	463.9	677.8	935.2
0°	0.0	7.0	12.3	22.8	35.1	56.1	126.1	269.5	463.9	677.8	935.2
-2.5°	0.0	7.0	12.3	22.8	35.1	56.1	126.1	269.5	463.9	677.8	935.2
-5°	0.0	7.0	12.3	22.7	34.9	55.8	124.9	266.5	459.2	672.0	927.3
-7.5°	0.0	6.9	12.2	22.5	34.7	55.3	122.8	261.6	451.5	662.3	914.2
-10°	0.0	6.9	12.1	22.3	34.3	54.6	119.9	254.7	440.7	648.8	896.0
-12.5°	0.0	6.8	12.0	22.0	33.9	53.7	116.3	245.9	426.9	631.6	872.6
-15°	0.0	6.8	11.9	21.7	33.4	52.6	111.8	235.1	410.1	610.6	844.2
-17.5°	0.0	6.7	11.8	21.3	32.8	51.2	106.6	222.4	390.4	585.9	810.8
-20°	0.0	6.6	11.7	20.9	32.1	49.7	100.5	207.9	367.7	557.6	772.5



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.5	11.5	20.4	31.3	48.1	93.7	191.6	342.2	525.8	729.5
-25°	0.0	6.3	11.3	19.8	30.4	46.2	86.2	173.4	314.0	490.6	681.9
-27.5°	0.0	6.2	11.1	19.2	29.5	44.1	77.9	153.6	283.0	453.2	638.2
-30°	0.0	6.1	10.9	18.6	28.5	41.9	68.9	132.0	254.9	415.1	591.3
-32.5°	0.0	5.9	10.6	17.8	27.3	39.5	59.2	117.8	228.2	374.1	540.9
-35°	0.0	5.7	10.4	17.1	26.1	36.9	54.0	105.7	199.7	330.4	487.2
-37.5°	0.0	5.6	10.1	16.3	24.9	34.5	50.7	92.8	169.4	284.1	433.4
-40°	0.0	5.4	9.8	15.4	23.5	32.9	47.2	79.2	137.4	244.4	378.8
-42.5°	0.0	5.2	9.5	14.5	22.2	31.1	43.5	64.9	115.4	206.5	321.6
-45°	0.0	4.9	9.2	13.5	20.9	29.2	39.7	54.3	98.3	166.8	264.0
-47.5°	0.0	4.7	8.9	12.5	19.6	27.3	35.7	49.6	80.4	126.0	218.1
-50°	0.0	4.5	8.5	11.9	18.2	25.2	33.0	44.8	61.8	105.1	170.4
-52.5°	0.0	4.3	8.1	11.4	16.8	23.2	30.5	39.7	52.1	83.5	123.9
-55°	0.0	4.0	7.8	10.8	15.3	21.3	27.9	34.8	46.2	61.2	99.2
-57.5°	0.0	3.8	7.4	10.2	13.8	19.3	25.2	31.6	40.1	50.8	73.8
-60°	0.0	3.5	7.0	9.6	12.3	17.4	22.5	28.4	34.3	43.8	53.7
-62.5°	0.0	3.2	6.5	9.0	11.4	15.4	20.1	25.2	30.6	36.6	45.7
-65°	0.0	3.0	5.9	8.4	10.6	13.3	17.7	22.0	26.8	31.7	37.5
-67.5°	0.0	2.7	5.4	7.8	9.8	11.8	15.2	19.1	22.9	27.3	31.7
-70°	0.0	2.4	4.8	7.1	8.9	10.7	12.6	16.1	19.5	22.9	26.8
-72.5°	0.0	2.1	4.2	6.3	8.0	9.6	11.2	13.1	16.1	19.1	22.0
-75°	0.0	1.8	3.6	5.4	7.2	8.5	9.8	11.2	12.6	15.2	17.7
-77.5°	0.0	1.5	3.0	4.5	6.0	7.4	8.5	9.6	10.7	11.8	13.3
-80°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.0	8.9	9.8	10.6
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.1	7.8	8.4
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-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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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-HEG

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°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6
85°	6.5	7.0	7.4	7.8	8.1	8.5	8.9	9.2	9.5	9.8	10.1
82.5°	9.0	9.6	10.2	10.8	11.4	11.9	12.5	13.5	14.5	15.4	16.3
80°	11.4	12.3	13.8	15.3	16.8	18.2	19.6	20.9	22.2	23.5	24.9
77.5°	15.4	17.4	19.3	21.3	23.2	25.2	27.3	29.2	31.1	32.9	34.5
75°	20.1	22.5	25.2	27.9	30.5	33.0	35.7	39.7	43.5	47.2	50.7
72.5°	25.2	28.4	31.6	34.8	39.7	44.8	49.6	54.3	64.9	79.2	92.8
70°	30.6	34.3	40.1	46.2	52.1	61.8	80.4	98.3	115.4	137.4	169.4
67.5°	36.6	43.8	50.8	61.2	83.5	105.1	126.0	166.8	206.5	244.4	284.1
65°	45.7	53.7	73.8	99.2	123.9	170.4	218.1	264.0	321.6	378.8	433.4
62.5°	54.6	80.1	108.6	147.1	202.9	257.0	323.3	391.9	457.9	526.7	593.1
60°	80.1	111.8	160.1	222.4	287.7	367.7	445.3	525.8	605.3	681.9	769.6
57.5°	108.6	160.1	229.0	305.6	394.6	482.9	575.5	665.1	766.1	866.1	962.5
55°	147.1	222.4	305.6	403.6	502.8	605.5	710.6	827.1	939.6	1051.5	1158.7
52.5°	202.9	287.7	394.6	502.8	615.6	735.0	864.0	990.8	1116.0	1234.2	1341.4
50°	257.0	367.7	482.9	605.5	735.0	876.3	1016.6	1155.0	1282.9	1402.8	1509.5
47.5°	323.3	445.3	575.5	710.6	864.0	1016.6	1168.1	1307.4	1439.9	1553.2	1660.7
45°	391.9	525.8	665.1	827.1	990.8	1155.0	1307.4	1452.4	1575.2	1676.8	1714.1
42.5°	457.9	605.3	766.1	939.6	1116.0	1282.9	1439.9	1575.2	1680.4	1721.5	1768.9
40°	526.7	681.9	866.1	1051.5	1234.2	1402.8	1553.2	1676.8	1721.5	1774.0	1830.7
37.5°	593.1	769.6	962.5	1158.7	1341.4	1509.5	1660.7	1714.1	1768.9	1830.7	2000.7
35°	656.1	853.0	1056.6	1256.7	1443.7	1605.5	1699.4	1753.7	1820.3	1985.2	2504.4
32.5°	723.0	931.8	1145.7	1346.5	1529.5	1677.6	1731.3	1799.8	1938.8	2293.1	3587.8
30°	790.3	1008.2	1227.6	1431.0	1609.4	1705.7	1769.4	1862.5	2075.5	3264.5	4520.8
27.5°	853.0	1079.6	1300.2	1502.7	1673.5	1732.0	1807.6	1982.8	2733.1	4148.7	5351.7
25°	910.9	1145.7	1367.3	1566.6	1696.1	1762.6	1861.9	2095.0	3536.1	4878.2	5650.7
22.5°	964.7	1206.0	1428.8	1625.2	1716.9	1793.0	1957.9	2694.5	4230.2	5530.0	5802.4
20°	1014.2	1256.7	1480.4	1671.6	1735.7	1820.6	2045.4	3323.9	4805.6	5659.5	5905.4
17.5°	1058.3	1301.9	1523.8	1687.1	1757.3	1867.8	2195.9	3889.1	5323.5	5776.4	5981.4
15°	1096.7	1341.4	1561.7	1700.6	1777.2	1931.3	2654.7	4321.3	5577.0	5867.9	6047.4
12.5°	1129.5	1375.0	1594.0	1712.1	1794.3	1985.5	3047.8	4683.1	5659.1	5921.5	6065.6
10°	1156.5	1402.8	1620.6	1721.6	1808.3	2030.4	3372.8	4982.6	5727.1	5966.0	6080.7
7.5°	1177.6	1424.4	1641.5	1729.1	1819.3	2065.5	3627.8	5217.9	5780.5	6001.1	6092.6
5°	1192.7	1439.9	1656.4	1734.4	1827.2	2090.7	3811.2	5387.2	5819.1	6026.4	6101.2
2.5°	1201.8	1449.3	1665.4	1737.6	1831.9	2105.9	3921.7	5489.3	5842.3	6041.7	6106.5
0°	1204.8	1452.4	1668.4	1738.7	1833.5	2111.0	3958.6	5523.4	5850.1	6046.8	6108.2
-2.5°	1201.8	1449.3	1665.4	1737.6	1831.9	2105.9	3921.7	5489.3	5842.3	6041.7	6106.5
-5°	1192.7	1439.9	1656.4	1734.4	1827.2	2090.7	3811.2	5387.2	5819.1	6026.4	6101.2
-7.5°	1177.6	1424.4	1641.5	1729.1	1819.3	2065.5	3627.8	5217.9	5780.5	6001.1	6092.6
-10°	1156.5	1402.8	1620.6	1721.6	1808.3	2030.4	3372.8	4982.6	5727.1	5966.0	6080.7
-12.5°	1129.5	1375.0	1594.0	1712.1	1794.3	1985.5	3047.8	4683.1	5659.1	5921.5	6065.6
-15°	1096.7	1341.4	1561.7	1700.6	1777.2	1931.3	2654.7	4321.3	5577.0	5867.9	6047.4
-17.5°	1058.3	1301.9	1523.8	1687.1	1757.3	1867.8	2195.9	3889.1	5323.5	5776.4	5981.4
-20°	1014.2	1256.7	1480.4	1671.6	1735.7	1820.6	2045.4	3323.9	4805.6	5659.5	5905.4



REPORT NUMBER: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-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°	964.7	1206.0	1428.8	1625.2	1716.9	1793.0	1957.9	2694.5	4230.2	5530.0	5802.4
-25°	910.9	1145.7	1367.3	1566.6	1696.1	1762.6	1861.9	2095.0	3536.1	4878.2	5650.7
-27.5°	853.0	1079.6	1300.2	1502.7	1673.5	1732.0	1807.6	1982.8	2733.1	4148.7	5351.7
-30°	790.3	1008.2	1227.6	1431.0	1609.4	1705.7	1769.4	1862.5	2075.5	3264.5	4520.8
-32.5°	723.0	931.8	1145.7	1346.5	1529.5	1677.6	1731.3	1799.8	1938.8	2293.1	3587.8
-35°	656.1	853.0	1056.6	1256.7	1443.7	1605.5	1699.4	1753.7	1820.3	1985.2	2504.4
-37.5°	593.1	769.6	962.5	1158.7	1341.4	1509.5	1660.7	1714.1	1768.9	1830.7	2000.7
-40°	526.7	681.9	866.1	1051.5	1234.2	1402.8	1553.2	1676.8	1721.5	1774.0	1830.7
-42.5°	457.9	605.3	766.1	939.6	1116.0	1282.9	1439.9	1575.2	1680.4	1721.5	1768.9
-45°	391.9	525.8	665.1	827.1	990.8	1155.0	1307.4	1452.4	1575.2	1676.8	1714.1
-47.5°	323.3	445.3	575.5	710.6	864.0	1016.6	1168.1	1307.4	1439.9	1553.2	1660.7
-50°	257.0	367.7	482.9	605.5	735.0	876.3	1016.6	1155.0	1282.9	1402.8	1509.5
-52.5°	202.9	287.7	394.6	502.8	615.6	735.0	864.0	990.8	1116.0	1234.2	1341.4
-55°	147.1	222.4	305.6	403.6	502.8	605.5	710.6	827.1	939.6	1051.5	1158.7
-57.5°	108.6	160.1	229.0	305.6	394.6	482.9	575.5	665.1	766.1	866.1	962.5
-60°	80.1	111.8	160.1	222.4	287.7	367.7	445.3	525.8	605.3	681.9	769.6
-62.5°	54.6	80.1	108.6	147.1	202.9	257.0	323.3	391.9	457.9	526.7	593.1
-65°	45.7	53.7	73.8	99.2	123.9	170.4	218.1	264.0	321.6	378.8	433.4
-67.5°	36.6	43.8	50.8	61.2	83.5	105.1	126.0	166.8	206.5	244.4	284.1
-70°	30.6	34.3	40.1	46.2	52.1	61.8	80.4	98.3	115.4	137.4	169.4
-72.5°	25.2	28.4	31.6	34.8	39.7	44.8	49.6	54.3	64.9	79.2	92.8
-75°	20.1	22.5	25.2	27.9	30.5	33.0	35.7	39.7	43.5	47.2	50.7
-77.5°	15.4	17.4	19.3	21.3	23.2	25.2	27.3	29.2	31.1	32.9	34.5
-80°	11.4	12.3	13.8	15.3	16.8	18.2	19.6	20.9	22.2	23.5	24.9
-82.5°	9.0	9.6	10.2	10.8	11.4	11.9	12.5	13.5	14.5	15.4	16.3
-85°	6.5	7.0	7.4	7.8	8.1	8.5	8.9	9.2	9.5	9.8	10.1
-87.5°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6
-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: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-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°	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
85°	10.4	10.6	10.9	11.1	11.3	11.5	11.7	11.8	11.9	12.0	12.1
82.5°	17.1	17.8	18.6	19.2	19.8	20.4	20.9	21.3	21.7	22.0	22.3
80°	26.1	27.3	28.5	29.5	30.4	31.3	32.1	32.8	33.4	33.9	34.3
77.5°	36.9	39.5	41.9	44.1	46.2	48.1	49.7	51.2	52.6	53.7	54.6
75°	54.0	59.2	68.9	77.9	86.2	93.7	100.5	106.6	111.8	116.3	119.9
72.5°	105.7	117.8	132.0	153.6	173.4	191.6	207.9	222.4	235.1	245.9	254.7
70°	199.7	228.2	254.9	283.0	314.0	342.2	367.7	390.4	410.1	426.9	440.7
67.5°	330.4	374.1	415.1	453.2	490.6	525.8	557.6	585.9	610.6	631.6	648.8
65°	487.2	540.9	591.3	638.2	681.9	729.5	772.5	810.8	844.2	872.6	896.0
62.5°	656.1	723.0	790.3	853.0	910.9	964.7	1014.2	1058.3	1096.7	1129.5	1156.5
60°	853.0	931.8	1008.2	1079.6	1145.7	1206.0	1256.7	1301.9	1341.4	1375.0	1402.8
57.5°	1056.6	1145.7	1227.6	1300.2	1367.3	1428.8	1480.4	1523.8	1561.7	1594.0	1620.6
55°	1256.7	1346.5	1431.0	1502.7	1566.6	1625.2	1671.6	1687.1	1700.6	1712.1	1721.6
52.5°	1443.7	1529.5	1609.4	1673.5	1696.1	1716.9	1735.7	1757.3	1777.2	1794.3	1808.3
50°	1605.5	1677.6	1705.7	1732.0	1762.6	1793.0	1820.6	1867.8	1931.3	1985.5	2030.4
47.5°	1699.4	1731.3	1769.4	1807.6	1861.9	1957.9	2045.4	2195.9	2654.7	3047.8	3372.8
45°	1753.7	1799.8	1862.5	1982.8	2095.0	2694.5	3323.9	3889.1	4321.3	4683.1	4982.6
42.5°	1820.3	1938.8	2075.5	2733.1	3536.1	4230.2	4805.6	5323.5	5577.0	5659.1	5727.1
40°	1985.2	2293.1	3264.5	4148.7	4878.2	5530.0	5659.5	5776.4	5867.9	5921.5	5966.0
37.5°	2504.4	3587.8	4520.8	5351.7	5650.7	5802.4	5905.4	5981.4	6047.4	6065.6	6080.7
35°	3696.3	4708.9	5547.8	5732.7	5884.5	5982.5	6054.9	6080.5	6103.3	6038.1	5960.4
32.5°	4708.9	5568.0	5774.3	5922.9	6035.1	6075.9	6106.3	5986.7	5870.3	5723.2	5559.8
30°	5547.8	5774.3	5935.9	6051.5	6088.8	6034.0	5880.1	5665.6	5422.2	5247.2	5201.7
27.5°	5732.7	5922.9	6051.5	6093.1	5991.8	5810.9	5491.9	5244.4	5177.0	5118.0	5239.0
25°	5884.5	6035.1	6088.8	5991.8	5768.3	5403.4	5209.2	5128.5	5270.1	5427.9	5722.9
22.5°	5982.5	6075.9	6034.0	5810.9	5403.4	5197.4	5151.9	5365.0	5716.3	6177.5	7779.0
20°	6054.9	6106.3	5880.1	5491.9	5209.2	5151.9	5397.2	5896.9	6925.2	10838.6	15469.4
17.5°	6080.5	5986.7	5665.6	5244.4	5128.5	5365.0	5896.9	7673.2	12424.8	22726.1	33593.5
15°	6103.3	5870.3	5422.2	5177.0	5270.1	5716.3	6925.2	12424.8	25215.2	41127.0	58993.6
12.5°	6038.1	5723.2	5247.2	5118.0	5427.9	6177.5	10838.6	22726.1	41127.0	63333.0	100946.3
10°	5960.4	5559.8	5201.7	5239.0	5722.9	7779.0	15469.4	33593.5	58993.6	100946.3	152013.1
7.5°	5898.9	5430.1	5165.4	5336.5	6010.3	10245.9	23433.5	46479.2	82720.0	137962.8	213449.7
5°	5854.4	5336.1	5139.1	5407.6	6220.9	12064.6	29350.4	56380.6	104824.5	175326.5	276015.0
2.5°	5827.5	5279.1	5123.1	5451.0	6349.5	13180.3	33001.4	62540.6	118742.1	202265.5	322822.1
0°	5818.5	5260.0	5117.7	5465.5	6392.8	13556.5	34236.4	64633.6	123503.2	212487.3	339541.6
-2.5°	5827.5	5279.1	5123.1	5451.0	6349.5	13180.3	33001.4	62540.6	118742.1	202265.5	322822.1
-5°	5854.4	5336.1	5139.1	5407.6	6220.9	12064.6	29350.4	56380.6	104824.5	175326.5	276015.0
-7.5°	5898.9	5430.1	5165.4	5336.5	6010.3	10245.9	23433.5	46479.2	82720.0	137962.8	213449.7
-10°	5960.4	5559.8	5201.7	5239.0	5722.9	7779.0	15469.4	33593.5	58993.6	100946.3	152013.1
-12.5°	6038.1	5723.2	5247.2	5118.0	5427.9	6177.5	10838.6	22726.1	41127.0	63333.0	100946.3
-15°	6103.3	5870.3	5422.2	5177.0	5270.1	5716.3	6925.2	12424.8	25215.2	41127.0	58993.6
-17.5°	6080.5	5986.7	5665.6	5244.4	5128.5	5365.0	5896.9	7673.2	12424.8	22726.1	33593.5
-20°	6054.9	6106.3	5880.1	5491.9	5209.2	5151.9	5397.2	5896.9	6925.2	10838.6	15469.4



REPORT NUMBER: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-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°	5982.5	6075.9	6034.0	5810.9	5403.4	5197.4	5151.9	5365.0	5716.3	6177.5	7779.0
-25°	5884.5	6035.1	6088.8	5991.8	5768.3	5403.4	5209.2	5128.5	5270.1	5427.9	5722.9
-27.5°	5732.7	5922.9	6051.5	6093.1	5991.8	5810.9	5491.9	5244.4	5177.0	5118.0	5239.0
-30°	5547.8	5774.3	5935.9	6051.5	6088.8	6034.0	5880.1	5665.6	5422.2	5247.2	5201.7
-32.5°	4708.9	5568.0	5774.3	5922.9	6035.1	6075.9	6106.3	5986.7	5870.3	5723.2	5559.8
-35°	3696.3	4708.9	5547.8	5732.7	5884.5	5982.5	6054.9	6080.5	6103.3	6038.1	5960.4
-37.5°	2504.4	3587.8	4520.8	5351.7	5650.7	5802.4	5905.4	5981.4	6047.4	6065.6	6080.7
-40°	1985.2	2293.1	3264.5	4148.7	4878.2	5530.0	5659.5	5776.4	5867.9	5921.5	5966.0
-42.5°	1820.3	1938.8	2075.5	2733.1	3536.1	4230.2	4805.6	5323.5	5577.0	5659.1	5727.1
-45°	1753.7	1799.8	1862.5	1982.8	2095.0	2694.5	3323.9	3889.1	4321.3	4683.1	4982.6
-47.5°	1699.4	1731.3	1769.4	1807.6	1861.9	1957.9	2045.4	2195.9	2654.7	3047.8	3372.8
-50°	1605.5	1677.6	1705.7	1732.0	1762.6	1793.0	1820.6	1867.8	1931.3	1985.5	2030.4
-52.5°	1443.7	1529.5	1609.4	1673.5	1696.1	1716.9	1735.7	1757.3	1777.2	1794.3	1808.3
-55°	1256.7	1346.5	1431.0	1502.7	1566.6	1625.2	1671.6	1687.1	1700.6	1712.1	1721.6
-57.5°	1056.6	1145.7	1227.6	1300.2	1367.3	1428.8	1480.4	1523.8	1561.7	1594.0	1620.6
-60°	853.0	931.8	1008.2	1079.6	1145.7	1206.0	1256.7	1301.9	1341.4	1375.0	1402.8
-62.5°	656.1	723.0	790.3	853.0	910.9	964.7	1014.2	1058.3	1096.7	1129.5	1156.5
-65°	487.2	540.9	591.3	638.2	681.9	729.5	772.5	810.8	844.2	872.6	896.0
-67.5°	330.4	374.1	415.1	453.2	490.6	525.8	557.6	585.9	610.6	631.6	648.8
-70°	199.7	228.2	254.9	283.0	314.0	342.2	367.7	390.4	410.1	426.9	440.7
-72.5°	105.7	117.8	132.0	153.6	173.4	191.6	207.9	222.4	235.1	245.9	254.7
-75°	54.0	59.2	68.9	77.9	86.2	93.7	100.5	106.6	111.8	116.3	119.9
-77.5°	36.9	39.5	41.9	44.1	46.2	48.1	49.7	51.2	52.6	53.7	54.6
-80°	26.1	27.3	28.5	29.5	30.4	31.3	32.1	32.8	33.4	33.9	34.3
-82.5°	17.1	17.8	18.6	19.2	19.8	20.4	20.9	21.3	21.7	22.0	22.3
-85°	10.4	10.6	10.9	11.1	11.3	11.5	11.7	11.8	11.9	12.0	12.1
-87.5°	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
-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: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-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°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7
85°	12.2	12.3	12.3	12.3	12.3	12.3	12.2	12.1	12.0	11.9	11.8
82.5°	22.5	22.7	22.8	22.8	22.8	22.7	22.5	22.3	22.0	21.7	21.3
80°	34.7	34.9	35.1	35.1	35.1	34.9	34.7	34.3	33.9	33.4	32.8
77.5°	55.3	55.8	56.1	56.2	56.1	55.8	55.3	54.6	53.7	52.6	51.2
75°	122.8	124.9	126.1	126.5	126.1	124.9	122.8	119.9	116.3	111.8	106.6
72.5°	261.6	266.5	269.5	270.5	269.5	266.5	261.6	254.7	245.9	235.1	222.4
70°	451.5	459.2	463.9	465.4	463.9	459.2	451.5	440.7	426.9	410.1	390.4
67.5°	662.3	672.0	677.8	679.7	677.8	672.0	662.3	648.8	631.6	610.6	585.9
65°	914.2	927.3	935.2	937.8	935.2	927.3	914.2	896.0	872.6	844.2	810.8
62.5°	1177.6	1192.7	1201.8	1204.8	1201.8	1192.7	1177.6	1156.5	1129.5	1096.7	1058.3
60°	1424.4	1439.9	1449.3	1452.4	1449.3	1439.9	1424.4	1402.8	1375.0	1341.4	1301.9
57.5°	1641.5	1656.4	1665.4	1668.4	1665.4	1656.4	1641.5	1620.6	1594.0	1561.7	1523.8
55°	1729.1	1734.4	1737.6	1738.7	1737.6	1734.4	1729.1	1721.6	1712.1	1700.6	1687.1
52.5°	1819.3	1827.2	1831.9	1833.5	1831.9	1827.2	1819.3	1808.3	1794.3	1777.2	1757.3
50°	2065.5	2090.7	2105.9	2111.0	2105.9	2090.7	2065.5	2030.4	1985.5	1931.3	1867.8
47.5°	3627.8	3811.2	3921.7	3958.6	3921.7	3811.2	3627.8	3372.8	3047.8	2654.7	2195.9
45°	5217.9	5387.2	5489.3	5523.4	5489.3	5387.2	5217.9	4982.6	4683.1	4321.3	3889.1
42.5°	5780.5	5819.1	5842.3	5850.1	5842.3	5819.1	5780.5	5727.1	5659.1	5577.0	5323.5
40°	6001.1	6026.4	6041.7	6046.8	6041.7	6026.4	6001.1	5966.0	5921.5	5867.9	5776.4
37.5°	6092.6	6101.2	6106.5	6108.2	6106.5	6101.2	6092.6	6080.7	6065.6	6047.4	5981.4
35°	5898.9	5854.4	5827.5	5818.5	5827.5	5854.4	5898.9	5960.4	6038.1	6103.3	6080.5
32.5°	5430.1	5336.1	5279.1	5260.0	5279.1	5336.1	5430.1	5559.8	5723.2	5870.3	5986.7
30°	5165.4	5139.1	5123.1	5117.7	5123.1	5139.1	5165.4	5201.7	5247.2	5422.2	5665.6
27.5°	5336.5	5407.6	5451.0	5465.5	5451.0	5407.6	5336.5	5239.0	5118.0	5177.0	5244.4
25°	6010.3	6220.9	6349.5	6392.8	6349.5	6220.9	6010.3	5722.9	5427.9	5270.1	5128.5
22.5°	10245.9	12064.6	13180.3	13556.5	13180.3	12064.6	10245.9	7779.0	6177.5	5716.3	5365.0
20°	23433.5	29350.4	33001.4	34236.4	33001.4	29350.4	23433.5	15469.4	10838.6	6925.2	5896.9
17.5°	46479.2	56380.6	62540.6	64633.6	62540.6	56380.6	46479.2	33593.5	22726.1	12424.8	7673.2
15°	82720.0	104824.5	118742.1	123503.2	118742.1	104824.5	82720.0	58993.6	41127.0	25215.2	12424.8
12.5°	137962.8	175326.5	202265.5	212487.3	202265.5	175326.5	137962.8	100946.3	63333.0	41127.0	22726.1
10°	213449.7	276015.0	322822.1	339541.6	322822.1	276015.0	213449.7	152013.1	100946.3	58993.6	33593.5
7.5°	307087.4	391177.7	450264.2	470381.6	450264.2	391177.7	307087.4	213449.7	137962.8	82720.0	46479.2
5°	391177.7	491994.4	559426.9	584372.0	559426.9	491994.4	391177.7	276015.0	175326.5	104824.5	56380.6
2.5°	450264.2	559426.9	639440.8	677380.6	639440.8	559426.9	450264.2	322822.1	202265.5	118742.1	62540.6
0°	470381.6	584372.0	677380.6	733398.8	677380.6	584372.0	470381.6	339541.6	212487.3	123503.2	64633.6
-2.5°	450264.2	559426.9	639440.8	677380.6	639440.8	559426.9	450264.2	322822.1	202265.5	118742.1	62540.6
-5°	391177.7	491994.4	559426.9	584372.0	559426.9	491994.4	391177.7	276015.0	175326.5	104824.5	56380.6
-7.5°	307087.4	391177.7	450264.2	470381.6	450264.2	391177.7	307087.4	213449.7	137962.8	82720.0	46479.2
-10°	213449.7	276015.0	322822.1	339541.6	322822.1	276015.0	213449.7	152013.1	100946.3	58993.6	33593.5
-12.5°	137962.8	175326.5	202265.5	212487.3	202265.5	175326.5	137962.8	100946.3	63333.0	41127.0	22726.1
-15°	82720.0	104824.5	118742.1	123503.2	118742.1	104824.5	82720.0	58993.6	41127.0	25215.2	12424.8
-17.5°	46479.2	56380.6	62540.6	64633.6	62540.6	56380.6	46479.2	33593.5	22726.1	12424.8	7673.2
-20°	23433.5	29350.4	33001.4	34236.4	33001.4	29350.4	23433.5	15469.4	10838.6	6925.2	5896.9



REPORT NUMBER: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-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°	10245.9	12064.6	13180.3	13556.5	13180.3	12064.6	10245.9	7779.0	6177.5	5716.3	5365.0
-25°	6010.3	6220.9	6349.5	6392.8	6349.5	6220.9	6010.3	5722.9	5427.9	5270.1	5128.5
-27.5°	5336.5	5407.6	5451.0	5465.5	5451.0	5407.6	5336.5	5239.0	5118.0	5177.0	5244.4
-30°	5165.4	5139.1	5123.1	5117.7	5123.1	5139.1	5165.4	5201.7	5247.2	5422.2	5665.6
-32.5°	5430.1	5336.1	5279.1	5260.0	5279.1	5336.1	5430.1	5559.8	5723.2	5870.3	5986.7
-35°	5898.9	5854.4	5827.5	5818.5	5827.5	5854.4	5898.9	5960.4	6038.1	6103.3	6080.5
-37.5°	6092.6	6101.2	6106.5	6108.2	6106.5	6101.2	6092.6	6080.7	6065.6	6047.4	5981.4
-40°	6001.1	6026.4	6041.7	6046.8	6041.7	6026.4	6001.1	5966.0	5921.5	5867.9	5776.4
-42.5°	5780.5	5819.1	5842.3	5850.1	5842.3	5819.1	5780.5	5727.1	5659.1	5577.0	5323.5
-45°	5217.9	5387.2	5489.3	5523.4	5489.3	5387.2	5217.9	4982.6	4683.1	4321.3	3889.1
-47.5°	3627.8	3811.2	3921.7	3958.6	3921.7	3811.2	3627.8	3372.8	3047.8	2654.7	2195.9
-50°	2065.5	2090.7	2105.9	2111.0	2105.9	2090.7	2065.5	2030.4	1985.5	1931.3	1867.8
-52.5°	1819.3	1827.2	1831.9	1833.5	1831.9	1827.2	1819.3	1808.3	1794.3	1777.2	1757.3
-55°	1729.1	1734.4	1737.6	1738.7	1737.6	1734.4	1729.1	1721.6	1712.1	1700.6	1687.1
-57.5°	1641.5	1656.4	1665.4	1668.4	1665.4	1656.4	1641.5	1620.6	1594.0	1561.7	1523.8
-60°	1424.4	1439.9	1449.3	1452.4	1449.3	1439.9	1424.4	1402.8	1375.0	1341.4	1301.9
-62.5°	1177.6	1192.7	1201.8	1204.8	1201.8	1192.7	1177.6	1156.5	1129.5	1096.7	1058.3
-65°	914.2	927.3	935.2	937.8	935.2	927.3	914.2	896.0	872.6	844.2	810.8
-67.5°	662.3	672.0	677.8	679.7	677.8	672.0	662.3	648.8	631.6	610.6	585.9
-70°	451.5	459.2	463.9	465.4	463.9	459.2	451.5	440.7	426.9	410.1	390.4
-72.5°	261.6	266.5	269.5	270.5	269.5	266.5	261.6	254.7	245.9	235.1	222.4
-75°	122.8	124.9	126.1	126.5	126.1	124.9	122.8	119.9	116.3	111.8	106.6
-77.5°	55.3	55.8	56.1	56.2	56.1	55.8	55.3	54.6	53.7	52.6	51.2
-80°	34.7	34.9	35.1	35.1	35.1	34.9	34.7	34.3	33.9	33.4	32.8
-82.5°	22.5	22.7	22.8	22.8	22.8	22.7	22.5	22.3	22.0	21.7	21.3
-85°	12.2	12.3	12.3	12.3	12.3	12.3	12.2	12.1	12.0	11.9	11.8
-87.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7
-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: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.6	6.5	6.3	6.2	6.1	5.9	5.7	5.6	5.4	5.2	4.9
85°	11.7	11.5	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.5	9.2
82.5°	20.9	20.4	19.8	19.2	18.6	17.8	17.1	16.3	15.4	14.5	13.5
80°	32.1	31.3	30.4	29.5	28.5	27.3	26.1	24.9	23.5	22.2	20.9
77.5°	49.7	48.1	46.2	44.1	41.9	39.5	36.9	34.5	32.9	31.1	29.2
75°	100.5	93.7	86.2	77.9	68.9	59.2	54.0	50.7	47.2	43.5	39.7
72.5°	207.9	191.6	173.4	153.6	132.0	117.8	105.7	92.8	79.2	64.9	54.3
70°	367.7	342.2	314.0	283.0	254.9	228.2	199.7	169.4	137.4	115.4	98.3
67.5°	557.6	525.8	490.6	453.2	415.1	374.1	330.4	284.1	244.4	206.5	166.8
65°	772.5	729.5	681.9	638.2	591.3	540.9	487.2	433.4	378.8	321.6	264.0
62.5°	1014.2	964.7	910.9	853.0	790.3	723.0	656.1	593.1	526.7	457.9	391.9
60°	1256.7	1206.0	1145.7	1079.6	1008.2	931.8	853.0	769.6	681.9	605.3	525.8
57.5°	1480.4	1428.8	1367.3	1300.2	1227.6	1145.7	1056.6	962.5	866.1	766.1	665.1
55°	1671.6	1625.2	1566.6	1502.7	1431.0	1346.5	1256.7	1158.7	1051.5	939.6	827.1
52.5°	1735.7	1716.9	1696.1	1673.5	1609.4	1529.5	1443.7	1341.4	1234.2	1116.0	990.8
50°	1820.6	1793.0	1762.6	1732.0	1705.7	1677.6	1605.5	1509.5	1402.8	1282.9	1155.0
47.5°	2045.4	1957.9	1861.9	1807.6	1769.4	1731.3	1699.4	1660.7	1553.2	1439.9	1307.4
45°	3323.9	2694.5	2095.0	1982.8	1862.5	1799.8	1753.7	1714.1	1676.8	1575.2	1452.4
42.5°	4805.6	4230.2	3536.1	2733.1	2075.5	1938.8	1820.3	1768.9	1721.5	1680.4	1575.2
40°	5659.5	5530.0	4878.2	4148.7	3264.5	2293.1	1985.2	1830.7	1774.0	1721.5	1676.8
37.5°	5905.4	5802.4	5650.7	5351.7	4520.8	3587.8	2504.4	2000.7	1830.7	1768.9	1714.1
35°	6054.9	5982.5	5884.5	5732.7	5547.8	4708.9	3696.3	2504.4	1985.2	1820.3	1753.7
32.5°	6106.3	6075.9	6035.1	5922.9	5774.3	5568.0	4708.9	3587.8	2293.1	1938.8	1799.8
30°	5880.1	6034.0	6088.8	6051.5	5935.9	5774.3	5547.8	4520.8	3264.5	2075.5	1862.5
27.5°	5491.9	5810.9	5991.8	6093.1	6051.5	5922.9	5732.7	5351.7	4148.7	2733.1	1982.8
25°	5209.2	5403.4	5768.3	5991.8	6088.8	6035.1	5884.5	5650.7	4878.2	3536.1	2095.0
22.5°	5151.9	5197.4	5403.4	5810.9	6034.0	6075.9	5982.5	5802.4	5530.0	4230.2	2694.5
20°	5397.2	5151.9	5209.2	5491.9	5880.1	6106.3	6054.9	5905.4	5659.5	4805.6	3323.9
17.5°	5896.9	5365.0	5128.5	5244.4	5665.6	5986.7	6080.5	5981.4	5776.4	5323.5	3889.1
15°	6925.2	5716.3	5270.1	5177.0	5422.2	5870.3	6103.3	6047.4	5867.9	5577.0	4321.3
12.5°	10838.6	6177.5	5427.9	5118.0	5247.2	5723.2	6038.1	6065.6	5921.5	5659.1	4683.1
10°	15469.4	7779.0	5722.9	5239.0	5201.7	5559.8	5960.4	6080.7	5966.0	5727.1	4982.6
7.5°	23433.5	10245.9	6010.3	5336.5	5165.4	5430.1	5898.9	6092.6	6001.1	5780.5	5217.9
5°	29350.4	12064.6	6220.9	5407.6	5139.1	5336.1	5854.4	6101.2	6026.4	5819.1	5387.2
2.5°	33001.4	13180.3	6349.5	5451.0	5123.1	5279.1	5827.5	6106.5	6041.7	5842.3	5489.3
0°	34236.4	13556.5	6392.8	5465.5	5117.7	5260.0	5818.5	6108.2	6046.8	5850.1	5523.4
-2.5°	33001.4	13180.3	6349.5	5451.0	5123.1	5279.1	5827.5	6106.5	6041.7	5842.3	5489.3
-5°	29350.4	12064.6	6220.9	5407.6	5139.1	5336.1	5854.4	6101.2	6026.4	5819.1	5387.2
-7.5°	23433.5	10245.9	6010.3	5336.5	5165.4	5430.1	5898.9	6092.6	6001.1	5780.5	5217.9
-10°	15469.4	7779.0	5722.9	5239.0	5201.7	5559.8	5960.4	6080.7	5966.0	5727.1	4982.6
-12.5°	10838.6	6177.5	5427.9	5118.0	5247.2	5723.2	6038.1	6065.6	5921.5	5659.1	4683.1
-15°	6925.2	5716.3	5270.1	5177.0	5422.2	5870.3	6103.3	6047.4	5867.9	5577.0	4321.3
-17.5°	5896.9	5365.0	5128.5	5244.4	5665.6	5986.7	6080.5	5981.4	5776.4	5323.5	3889.1
-20°	5397.2	5151.9	5209.2	5491.9	5880.1	6106.3	6054.9	5905.4	5659.5	4805.6	3323.9



REPORT NUMBER: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-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°	5151.9	5197.4	5403.4	5810.9	6034.0	6075.9	5982.5	5802.4	5530.0	4230.2	2694.5
-25°	5209.2	5403.4	5768.3	5991.8	6088.8	6035.1	5884.5	5650.7	4878.2	3536.1	2095.0
-27.5°	5491.9	5810.9	5991.8	6093.1	6051.5	5922.9	5732.7	5351.7	4148.7	2733.1	1982.8
-30°	5880.1	6034.0	6088.8	6051.5	5935.9	5774.3	5547.8	4520.8	3264.5	2075.5	1862.5
-32.5°	6106.3	6075.9	6035.1	5922.9	5774.3	5568.0	4708.9	3587.8	2293.1	1938.8	1799.8
-35°	6054.9	5982.5	5884.5	5732.7	5547.8	4708.9	3696.3	2504.4	1985.2	1820.3	1753.7
-37.5°	5905.4	5802.4	5650.7	5351.7	4520.8	3587.8	2504.4	2000.7	1830.7	1768.9	1714.1
-40°	5659.5	5530.0	4878.2	4148.7	3264.5	2293.1	1985.2	1830.7	1774.0	1721.5	1676.8
-42.5°	4805.6	4230.2	3536.1	2733.1	2075.5	1938.8	1820.3	1768.9	1721.5	1680.4	1575.2
-45°	3323.9	2694.5	2095.0	1982.8	1862.5	1799.8	1753.7	1714.1	1676.8	1575.2	1452.4
-47.5°	2045.4	1957.9	1861.9	1807.6	1769.4	1731.3	1699.4	1660.7	1553.2	1439.9	1307.4
-50°	1820.6	1793.0	1762.6	1732.0	1705.7	1677.6	1605.5	1509.5	1402.8	1282.9	1155.0
-52.5°	1735.7	1716.9	1696.1	1673.5	1609.4	1529.5	1443.7	1341.4	1234.2	1116.0	990.8
-55°	1671.6	1625.2	1566.6	1502.7	1431.0	1346.5	1256.7	1158.7	1051.5	939.6	827.1
-57.5°	1480.4	1428.8	1367.3	1300.2	1227.6	1145.7	1056.6	962.5	866.1	766.1	665.1
-60°	1256.7	1206.0	1145.7	1079.6	1008.2	931.8	853.0	769.6	681.9	605.3	525.8
-62.5°	1014.2	964.7	910.9	853.0	790.3	723.0	656.1	593.1	526.7	457.9	391.9
-65°	772.5	729.5	681.9	638.2	591.3	540.9	487.2	433.4	378.8	321.6	264.0
-67.5°	557.6	525.8	490.6	453.2	415.1	374.1	330.4	284.1	244.4	206.5	166.8
-70°	367.7	342.2	314.0	283.0	254.9	228.2	199.7	169.4	137.4	115.4	98.3
-72.5°	207.9	191.6	173.4	153.6	132.0	117.8	105.7	92.8	79.2	64.9	54.3
-75°	100.5	93.7	86.2	77.9	68.9	59.2	54.0	50.7	47.2	43.5	39.7
-77.5°	49.7	48.1	46.2	44.1	41.9	39.5	36.9	34.5	32.9	31.1	29.2
-80°	32.1	31.3	30.4	29.5	28.5	27.3	26.1	24.9	23.5	22.2	20.9
-82.5°	20.9	20.4	19.8	19.2	18.6	17.8	17.1	16.3	15.4	14.5	13.5
-85°	11.7	11.5	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.5	9.2
-87.5°	6.6	6.5	6.3	6.2	6.1	5.9	5.7	5.6	5.4	5.2	4.9
-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: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-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°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
85°	8.9	8.5	8.1	7.8	7.4	7.0	6.5	5.9	5.4	4.8	4.2
82.5°	12.5	11.9	11.4	10.8	10.2	9.6	9.0	8.4	7.8	7.1	6.3
80°	19.6	18.2	16.8	15.3	13.8	12.3	11.4	10.6	9.8	8.9	8.0
77.5°	27.3	25.2	23.2	21.3	19.3	17.4	15.4	13.3	11.8	10.7	9.6
75°	35.7	33.0	30.5	27.9	25.2	22.5	20.1	17.7	15.2	12.6	11.2
72.5°	49.6	44.8	39.7	34.8	31.6	28.4	25.2	22.0	19.1	16.1	13.1
70°	80.4	61.8	52.1	46.2	40.1	34.3	30.6	26.8	22.9	19.5	16.1
67.5°	126.0	105.1	83.5	61.2	50.8	43.8	36.6	31.7	27.3	22.9	19.1
65°	218.1	170.4	123.9	99.2	73.8	53.7	45.7	37.5	31.7	26.8	22.0
62.5°	323.3	257.0	202.9	147.1	108.6	80.1	54.6	45.7	36.6	30.6	25.2
60°	445.3	367.7	287.7	222.4	160.1	111.8	80.1	53.7	43.8	34.3	28.4
57.5°	575.5	482.9	394.6	305.6	229.0	160.1	108.6	73.8	50.8	40.1	31.6
55°	710.6	605.5	502.8	403.6	305.6	222.4	147.1	99.2	61.2	46.2	34.8
52.5°	864.0	735.0	615.6	502.8	394.6	287.7	202.9	123.9	83.5	52.1	39.7
50°	1016.6	876.3	735.0	605.5	482.9	367.7	257.0	170.4	105.1	61.8	44.8
47.5°	1168.1	1016.6	864.0	710.6	575.5	445.3	323.3	218.1	126.0	80.4	49.6
45°	1307.4	1155.0	990.8	827.1	665.1	525.8	391.9	264.0	166.8	98.3	54.3
42.5°	1439.9	1282.9	1116.0	939.6	766.1	605.3	457.9	321.6	206.5	115.4	64.9
40°	1553.2	1402.8	1234.2	1051.5	866.1	681.9	526.7	378.8	244.4	137.4	79.2
37.5°	1660.7	1509.5	1341.4	1158.7	962.5	769.6	593.1	433.4	284.1	169.4	92.8
35°	1699.4	1605.5	1443.7	1256.7	1056.6	853.0	656.1	487.2	330.4	199.7	105.7
32.5°	1731.3	1677.6	1529.5	1346.5	1145.7	931.8	723.0	540.9	374.1	228.2	117.8
30°	1769.4	1705.7	1609.4	1431.0	1227.6	1008.2	790.3	591.3	415.1	254.9	132.0
27.5°	1807.6	1732.0	1673.5	1502.7	1300.2	1079.6	853.0	638.2	453.2	283.0	153.6
25°	1861.9	1762.6	1696.1	1566.6	1367.3	1145.7	910.9	681.9	490.6	314.0	173.4
22.5°	1957.9	1793.0	1716.9	1625.2	1428.8	1206.0	964.7	729.5	525.8	342.2	191.6
20°	2045.4	1820.6	1735.7	1671.6	1480.4	1256.7	1014.2	772.5	557.6	367.7	207.9
17.5°	2195.9	1867.8	1757.3	1687.1	1523.8	1301.9	1058.3	810.8	585.9	390.4	222.4
15°	2654.7	1931.3	1777.2	1700.6	1561.7	1341.4	1096.7	844.2	610.6	410.1	235.1
12.5°	3047.8	1985.5	1794.3	1712.1	1594.0	1375.0	1129.5	872.6	631.6	426.9	245.9
10°	3372.8	2030.4	1808.3	1721.6	1620.6	1402.8	1156.5	896.0	648.8	440.7	254.7
7.5°	3627.8	2065.5	1819.3	1729.1	1641.5	1424.4	1177.6	914.2	662.3	451.5	261.6
5°	3811.2	2090.7	1827.2	1734.4	1656.4	1439.9	1192.7	927.3	672.0	459.2	266.5
2.5°	3921.7	2105.9	1831.9	1737.6	1665.4	1449.3	1201.8	935.2	677.8	463.9	269.5
0°	3958.6	2111.0	1833.5	1738.7	1668.4	1452.4	1204.8	937.8	679.7	465.4	270.5
-2.5°	3921.7	2105.9	1831.9	1737.6	1665.4	1449.3	1201.8	935.2	677.8	463.9	269.5
-5°	3811.2	2090.7	1827.2	1734.4	1656.4	1439.9	1192.7	927.3	672.0	459.2	266.5
-7.5°	3627.8	2065.5	1819.3	1729.1	1641.5	1424.4	1177.6	914.2	662.3	451.5	261.6
-10°	3372.8	2030.4	1808.3	1721.6	1620.6	1402.8	1156.5	896.0	648.8	440.7	254.7
-12.5°	3047.8	1985.5	1794.3	1712.1	1594.0	1375.0	1129.5	872.6	631.6	426.9	245.9
-15°	2654.7	1931.3	1777.2	1700.6	1561.7	1341.4	1096.7	844.2	610.6	410.1	235.1
-17.5°	2195.9	1867.8	1757.3	1687.1	1523.8	1301.9	1058.3	810.8	585.9	390.4	222.4
-20°	2045.4	1820.6	1735.7	1671.6	1480.4	1256.7	1014.2	772.5	557.6	367.7	207.9



REPORT NUMBER: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1957.9	1793.0	1716.9	1625.2	1428.8	1206.0	964.7	729.5	525.8	342.2	191.6
-25°	1861.9	1762.6	1696.1	1566.6	1367.3	1145.7	910.9	681.9	490.6	314.0	173.4
-27.5°	1807.6	1732.0	1673.5	1502.7	1300.2	1079.6	853.0	638.2	453.2	283.0	153.6
-30°	1769.4	1705.7	1609.4	1431.0	1227.6	1008.2	790.3	591.3	415.1	254.9	132.0
-32.5°	1731.3	1677.6	1529.5	1346.5	1145.7	931.8	723.0	540.9	374.1	228.2	117.8
-35°	1699.4	1605.5	1443.7	1256.7	1056.6	853.0	656.1	487.2	330.4	199.7	105.7
-37.5°	1660.7	1509.5	1341.4	1158.7	962.5	769.6	593.1	433.4	284.1	169.4	92.8
-40°	1553.2	1402.8	1234.2	1051.5	866.1	681.9	526.7	378.8	244.4	137.4	79.2
-42.5°	1439.9	1282.9	1116.0	939.6	766.1	605.3	457.9	321.6	206.5	115.4	64.9
-45°	1307.4	1155.0	990.8	827.1	665.1	525.8	391.9	264.0	166.8	98.3	54.3
-47.5°	1168.1	1016.6	864.0	710.6	575.5	445.3	323.3	218.1	126.0	80.4	49.6
-50°	1016.6	876.3	735.0	605.5	482.9	367.7	257.0	170.4	105.1	61.8	44.8
-52.5°	864.0	735.0	615.6	502.8	394.6	287.7	202.9	123.9	83.5	52.1	39.7
-55°	710.6	605.5	502.8	403.6	305.6	222.4	147.1	99.2	61.2	46.2	34.8
-57.5°	575.5	482.9	394.6	305.6	229.0	160.1	108.6	73.8	50.8	40.1	31.6
-60°	445.3	367.7	287.7	222.4	160.1	111.8	80.1	53.7	43.8	34.3	28.4
-62.5°	323.3	257.0	202.9	147.1	108.6	80.1	54.6	45.7	36.6	30.6	25.2
-65°	218.1	170.4	123.9	99.2	73.8	53.7	45.7	37.5	31.7	26.8	22.0
-67.5°	126.0	105.1	83.5	61.2	50.8	43.8	36.6	31.7	27.3	22.9	19.1
-70°	80.4	61.8	52.1	46.2	40.1	34.3	30.6	26.8	22.9	19.5	16.1
-72.5°	49.6	44.8	39.7	34.8	31.6	28.4	25.2	22.0	19.1	16.1	13.1
-75°	35.7	33.0	30.5	27.9	25.2	22.5	20.1	17.7	15.2	12.6	11.2
-77.5°	27.3	25.2	23.2	21.3	19.3	17.4	15.4	13.3	11.8	10.7	9.6
-80°	19.6	18.2	16.8	15.3	13.8	12.3	11.4	10.6	9.8	8.9	8.0
-82.5°	12.5	11.9	11.4	10.8	10.2	9.6	9.0	8.4	7.8	7.1	6.3
-85°	8.9	8.5	8.1	7.8	7.4	7.0	6.5	5.9	5.4	4.8	4.2
-87.5°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
-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: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-HEG

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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
77.5°	8.5	7.4	6.0	4.5	3.0	1.5	0.0
75°	9.8	8.5	7.2	5.4	3.6	1.8	0.0
72.5°	11.2	9.6	8.0	6.3	4.2	2.1	0.0
70°	12.6	10.7	8.9	7.1	4.8	2.4	0.0
67.5°	15.2	11.8	9.8	7.8	5.4	2.7	0.0
65°	17.7	13.3	10.6	8.4	5.9	3.0	0.0
62.5°	20.1	15.4	11.4	9.0	6.5	3.2	0.0
60°	22.5	17.4	12.3	9.6	7.0	3.5	0.0
57.5°	25.2	19.3	13.8	10.2	7.4	3.8	0.0
55°	27.9	21.3	15.3	10.8	7.8	4.0	0.0
52.5°	30.5	23.2	16.8	11.4	8.1	4.3	0.0
50°	33.0	25.2	18.2	11.9	8.5	4.5	0.0
47.5°	35.7	27.3	19.6	12.5	8.9	4.7	0.0
45°	39.7	29.2	20.9	13.5	9.2	4.9	0.0
42.5°	43.5	31.1	22.2	14.5	9.5	5.2	0.0
40°	47.2	32.9	23.5	15.4	9.8	5.4	0.0
37.5°	50.7	34.5	24.9	16.3	10.1	5.6	0.0
35°	54.0	36.9	26.1	17.1	10.4	5.7	0.0
32.5°	59.2	39.5	27.3	17.8	10.6	5.9	0.0
30°	68.9	41.9	28.5	18.6	10.9	6.1	0.0
27.5°	77.9	44.1	29.5	19.2	11.1	6.2	0.0
25°	86.2	46.2	30.4	19.8	11.3	6.3	0.0
22.5°	93.7	48.1	31.3	20.4	11.5	6.5	0.0
20°	100.5	49.7	32.1	20.9	11.7	6.6	0.0
17.5°	106.6	51.2	32.8	21.3	11.8	6.7	0.0
15°	111.8	52.6	33.4	21.7	11.9	6.8	0.0
12.5°	116.3	53.7	33.9	22.0	12.0	6.8	0.0
10°	119.9	54.6	34.3	22.3	12.1	6.9	0.0
7.5°	122.8	55.3	34.7	22.5	12.2	6.9	0.0
5°	124.9	55.8	34.9	22.7	12.3	7.0	0.0
2.5°	126.1	56.1	35.1	22.8	12.3	7.0	0.0
0°	126.5	56.2	35.1	22.8	12.3	7.0	0.0
-2.5°	126.1	56.1	35.1	22.8	12.3	7.0	0.0
-5°	124.9	55.8	34.9	22.7	12.3	7.0	0.0
-7.5°	122.8	55.3	34.7	22.5	12.2	6.9	0.0
-10°	119.9	54.6	34.3	22.3	12.1	6.9	0.0
-12.5°	116.3	53.7	33.9	22.0	12.0	6.8	0.0
-15°	111.8	52.6	33.4	21.7	11.9	6.8	0.0
-17.5°	106.6	51.2	32.8	21.3	11.8	6.7	0.0
-20°	100.5	49.7	32.1	20.9	11.7	6.6	0.0



REPORT NUMBER: P731294 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	93.7	48.1	31.3	20.4	11.5	6.5	0.0
-25°	86.2	46.2	30.4	19.8	11.3	6.3	0.0
-27.5°	77.9	44.1	29.5	19.2	11.1	6.2	0.0
-30°	68.9	41.9	28.5	18.6	10.9	6.1	0.0
-32.5°	59.2	39.5	27.3	17.8	10.6	5.9	0.0
-35°	54.0	36.9	26.1	17.1	10.4	5.7	0.0
-37.5°	50.7	34.5	24.9	16.3	10.1	5.6	0.0
-40°	47.2	32.9	23.5	15.4	9.8	5.4	0.0
-42.5°	43.5	31.1	22.2	14.5	9.5	5.2	0.0
-45°	39.7	29.2	20.9	13.5	9.2	4.9	0.0
-47.5°	35.7	27.3	19.6	12.5	8.9	4.7	0.0
-50°	33.0	25.2	18.2	11.9	8.5	4.5	0.0
-52.5°	30.5	23.2	16.8	11.4	8.1	4.3	0.0
-55°	27.9	21.3	15.3	10.8	7.8	4.0	0.0
-57.5°	25.2	19.3	13.8	10.2	7.4	3.8	0.0
-60°	22.5	17.4	12.3	9.6	7.0	3.5	0.0
-62.5°	20.1	15.4	11.4	9.0	6.5	3.2	0.0
-65°	17.7	13.3	10.6	8.4	5.9	3.0	0.0
-67.5°	15.2	11.8	9.8	7.8	5.4	2.7	0.0
-70°	12.6	10.7	8.9	7.1	4.8	2.4	0.0
-72.5°	11.2	9.6	8.0	6.3	4.2	2.1	0.0
-75°	9.8	8.5	7.2	5.4	3.6	1.8	0.0
-77.5°	8.5	7.4	6.0	4.5	3.0	1.5	0.0
-80°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
-82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	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

