

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: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-2S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731301 (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-08-0680N-57-80-2S-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

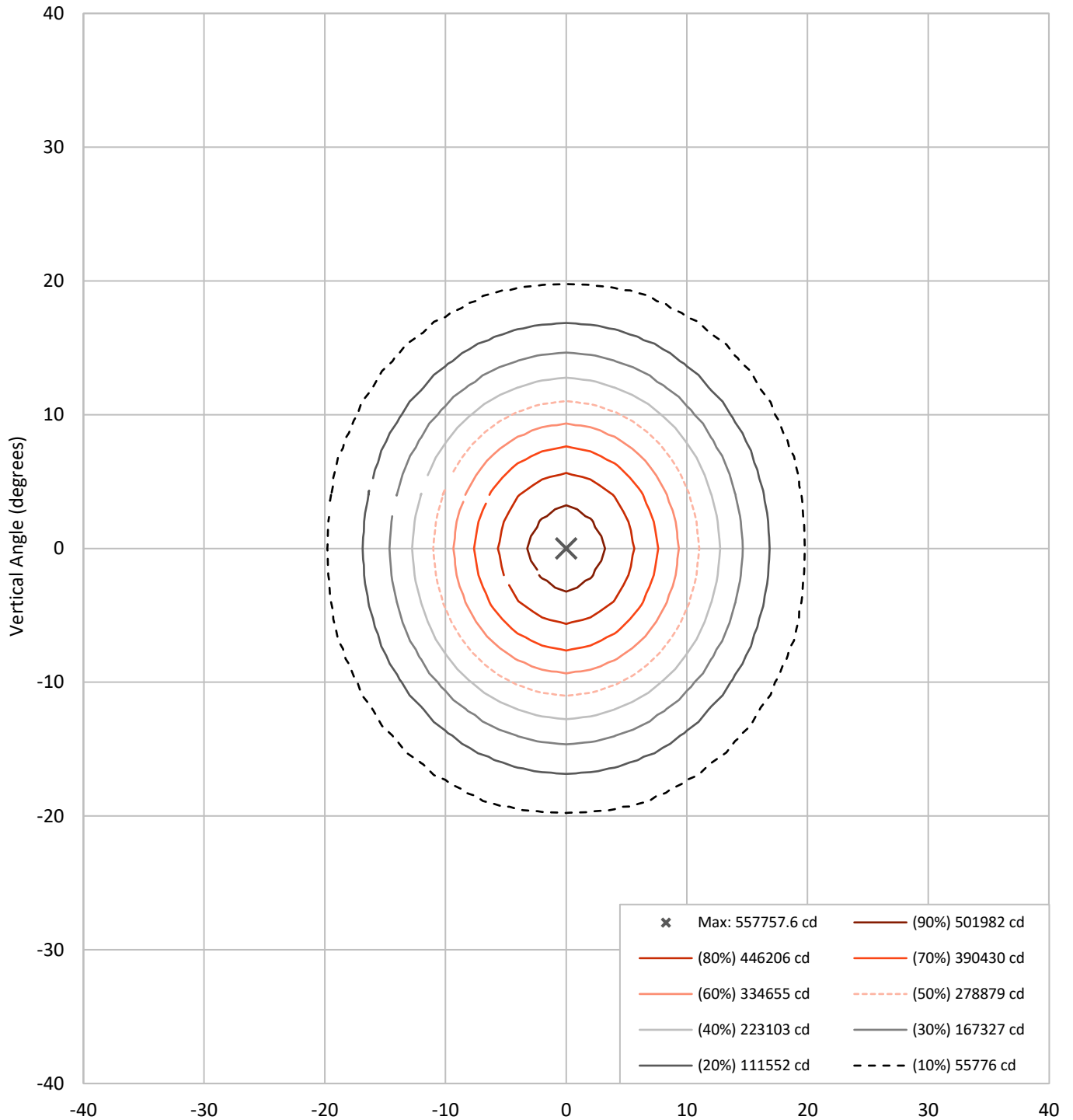
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	100469.8 lumens	Max Intensity:	557757.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	142.9 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:	44404.3 lumens	Field Lumens:	82469.4 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%

Input Watts (W): 703.3
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

REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

Iso-Candela Plot





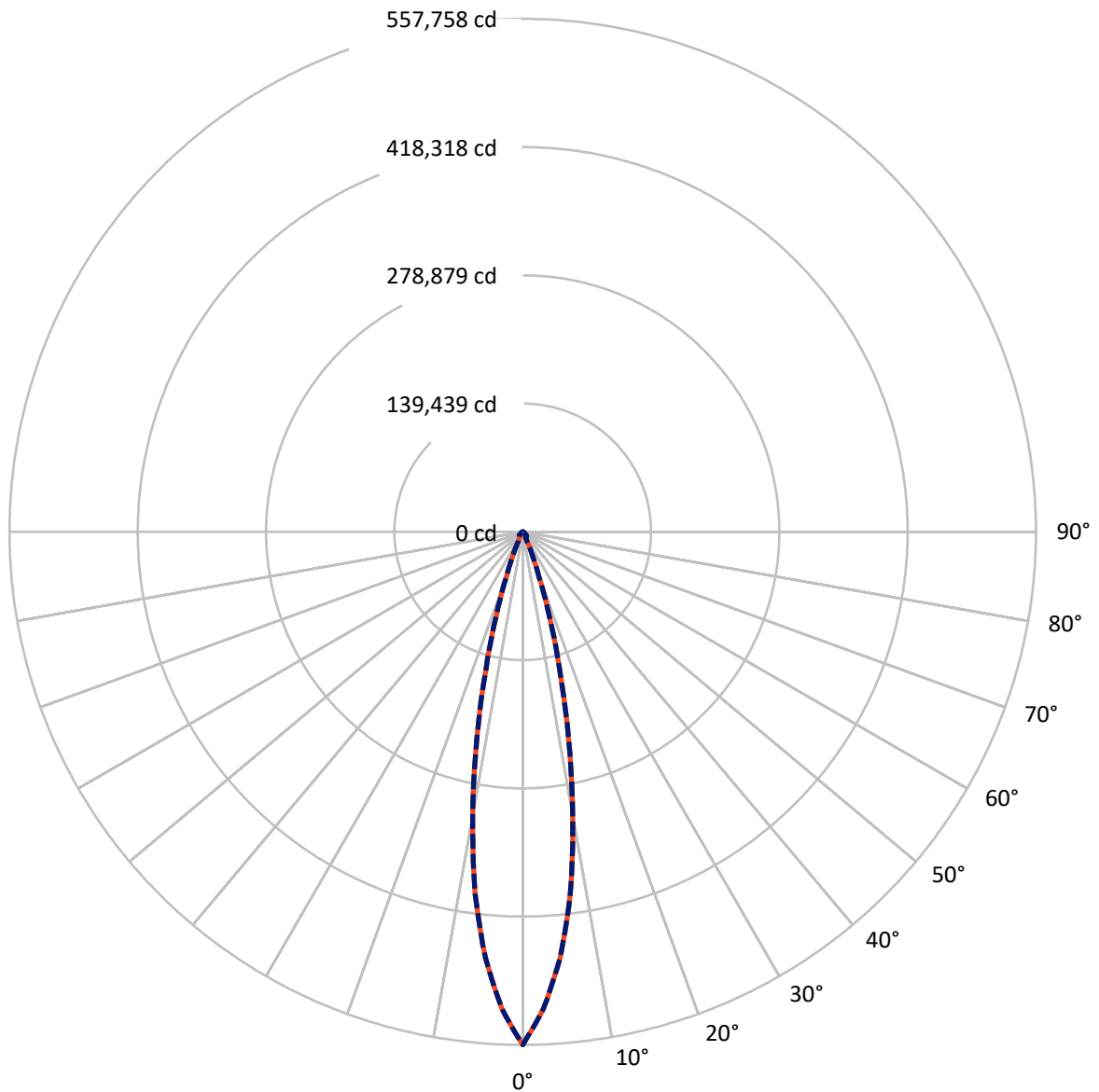
REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

Lumen Table

90	0.2	1.0	3.5	8.8	11.7	8.8	3.5	1.0	0.2							
80	0.2	1.0	3.5	8.8	11.7	8.8	3.5	1.0	0.2							
70	0.5	0.5	2.1	6.3	12.6	19.3	24.9	28.0	28.0	24.9	19.3	12.6	6.3	2.1	0.5	0.5
60		1.6	7.4	17.9	30.9	43.0	51.2	55.4	55.4	51.2	43.0	30.9	17.9	7.4	1.6	
50	1.2	3.9	14.6	31.0	47.3	76.6	117.2	140.4	140.4	117.2	76.6	47.3	31.0	14.6	3.9	1.2
40		6.7	21.8	40.9	90.3	155.0	181.6	191.0	191.0	181.6	155.0	90.3	40.9	21.8	6.7	
30	2.6	9.3	27.4	60.4	140.3	174.6	238.7	487.0	487.0	238.7	174.6	140.3	60.4	27.4	9.3	2.6
20		11.3	30.6	87.0	154.2	224.6	1421.0	4210.6	4210.6	1421.0	224.6	154.2	87.0	30.6	11.3	
10	3.2	12.3	32.1	100.8	157.1	448.9	4103.7	11540.8	11540.8	4103.7	448.9	157.1	100.8	32.1	12.3	3.2
0		12.3	32.1	100.8	157.1	448.9	4103.7	11540.8	11540.8	4103.7	448.9	157.1	100.8	32.1	12.3	
-10	2.6	11.3	30.6	87.0	154.2	224.6	1421.0	4210.6	4210.6	1421.0	224.6	154.2	87.0	30.6	11.3	2.6
-20		9.3	27.4	60.4	140.3	174.6	238.7	487.0	487.0	238.7	174.6	140.3	60.4	27.4	9.3	
-30	1.2	6.7	21.8	40.9	90.3	155.0	181.6	191.0	191.0	181.6	155.0	90.3	40.9	21.8	6.7	1.2
-40		3.9	14.6	31.0	47.3	76.6	117.2	140.4	140.4	117.2	76.6	47.3	31.0	14.6	3.9	
-50	0.5	1.6	7.4	17.9	30.9	43.0	51.2	55.4	55.4	51.2	43.0	30.9	17.9	7.4	1.6	0.5
-60		0.5	2.1	6.3	12.6	19.3	24.9	28.0	28.0	24.9	19.3	12.6	6.3	2.1	0.5	
-70	0.2	1.0	3.5	8.8	11.7	8.8	3.5	1.0	0.2							
-80		0.2	1.0	3.5	8.8	11.7	8.8	3.5	1.0	0.2						
-90	0.2	1.0	3.5	8.8	11.7	8.8	3.5	1.0	0.2							

REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

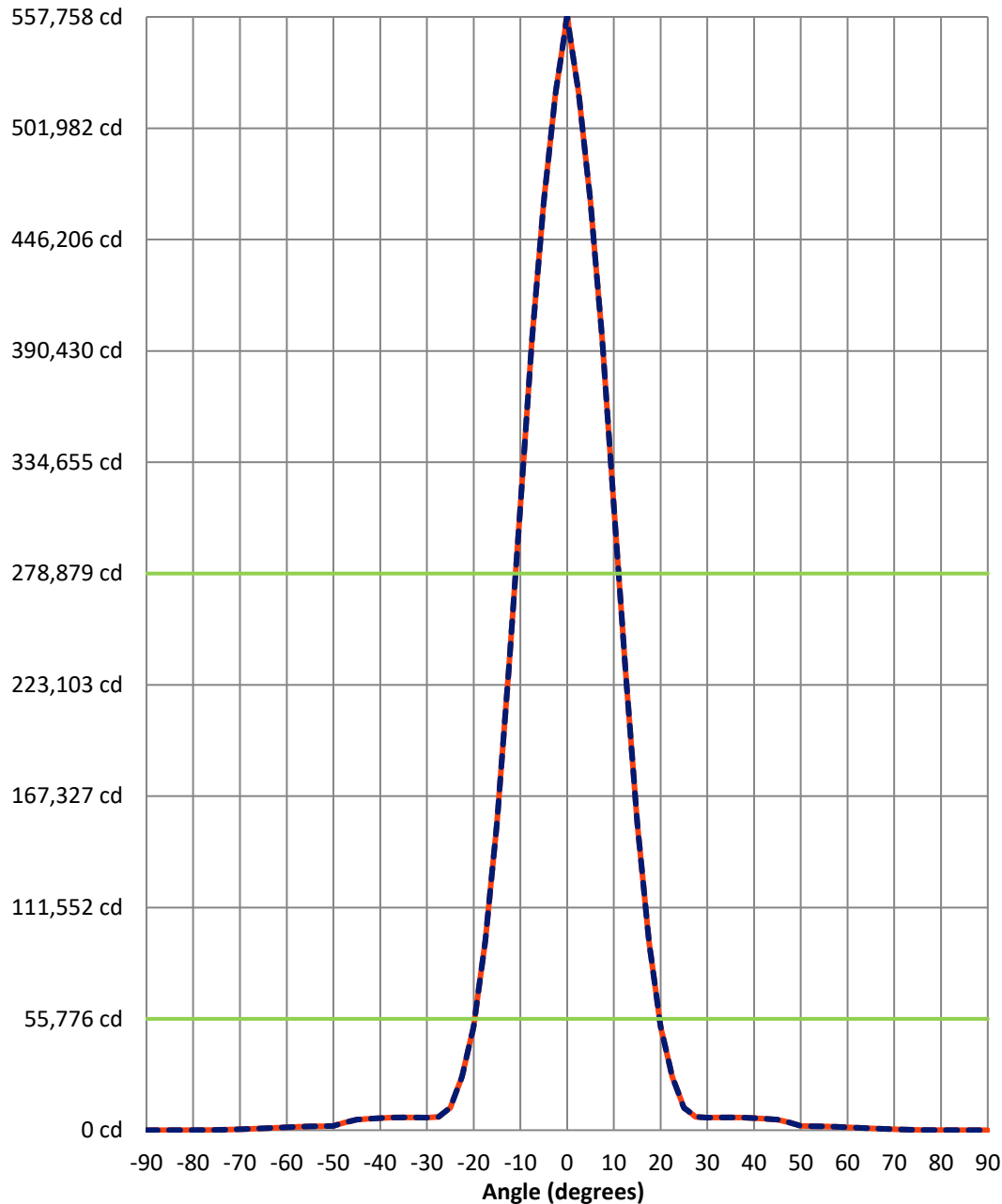
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

Luminous Intensity Plot



Beam:
 H Angle: 22°
 V Angle: 22°
 Lumens: 44404.3
 Efficiency: 44.2%

Field:
 H Angle: 39.6°
 V Angle: 39.6°
 Lumens: 82469.4
 Efficiency: 82.1%

Spill:
 Lumens: 18000.4
 Efficiency: 17.9%

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



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

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	0.5	0.9	1.4	1.8	2.3	2.7	3.1	3.6	4.0	4.4
85°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.2	7.1	8.0	8.8
82.5°	0.0	1.4	2.7	4.1	5.4	6.7	8.1	9.4	10.5	11.2	11.8
80°	0.0	1.8	3.6	5.4	7.2	9.0	10.6	11.4	12.3	13.1	14.0
77.5°	0.0	2.3	4.5	6.7	9.0	10.8	11.9	13.0	14.0	15.1	16.3
75°	0.0	2.7	5.4	8.1	10.6	11.9	13.2	14.5	15.8	17.5	19.2
72.5°	0.0	3.1	6.2	9.4	11.4	13.0	14.5	16.1	18.1	20.1	22.0
70°	0.0	3.6	7.1	10.5	12.3	14.0	15.8	18.1	20.4	22.7	26.5
67.5°	0.0	4.0	8.0	11.2	13.1	15.1	17.5	20.1	22.7	27.1	31.3
65°	0.0	4.4	8.8	11.8	14.0	16.3	19.2	22.0	26.5	31.3	37.1
62.5°	0.0	4.8	9.6	12.4	14.8	17.7	20.8	24.9	30.3	36.2	45.1
60°	0.0	5.2	10.4	13.0	15.6	19.0	22.4	28.2	34.0	43.3	53.0
57.5°	0.0	5.6	10.8	13.6	16.6	20.3	25.0	31.3	39.6	50.2	73.3
55°	0.0	6.0	11.2	14.1	17.6	21.6	27.6	34.4	45.6	60.6	99.0
52.5°	0.0	6.3	11.5	14.7	18.6	22.9	30.2	39.3	51.5	83.2	124.1
50°	0.0	6.7	11.9	15.2	19.5	25.0	32.7	44.2	61.2	105.1	173.8
47.5°	0.0	7.0	12.2	15.8	20.5	27.0	35.3	49.0	80.0	126.2	224.9
45°	0.0	7.4	12.5	16.4	21.3	28.9	39.2	53.6	98.1	169.9	274.2
42.5°	0.0	7.7	12.9	17.1	22.2	30.7	43.0	64.3	115.5	212.4	331.6
40°	0.0	8.0	13.2	17.7	23.3	32.5	46.6	78.8	138.4	253.1	388.1
37.5°	0.0	8.2	13.4	18.2	24.6	34.2	50.1	92.6	172.7	294.5	442.1
35°	0.0	8.5	13.7	18.8	25.9	36.5	53.3	105.6	205.1	340.3	494.4
32.5°	0.0	8.8	14.0	19.3	27.1	39.0	58.6	117.9	235.7	383.5	545.3
30°	0.0	9.0	14.2	19.8	28.2	41.4	68.4	132.6	264.4	424.0	593.0
27.5°	0.0	9.2	14.4	20.2	29.2	43.6	77.5	155.7	293.5	461.6	637.4
25°	0.0	9.4	14.6	20.6	30.1	45.6	85.9	177.0	324.1	497.5	678.8
22.5°	0.0	9.6	14.8	21.0	31.0	47.5	93.5	196.5	352.0	530.9	725.2
20°	0.0	9.8	15.0	21.3	31.8	49.1	100.4	214.0	377.2	561.1	767.2
17.5°	0.0	9.9	15.1	21.6	32.4	50.6	106.5	229.6	399.6	587.9	804.5
15°	0.0	10.0	15.2	21.9	33.0	51.9	111.8	243.1	419.1	611.2	837.0
12.5°	0.0	10.2	15.4	22.1	33.5	53.0	116.3	254.7	435.7	631.1	864.7
10°	0.0	10.2	15.4	22.3	34.0	53.9	120.1	264.2	449.3	647.5	887.5
7.5°	0.0	10.3	15.5	22.4	34.3	54.6	123.0	271.6	460.0	660.2	905.3
5°	0.0	10.4	15.6	22.5	34.5	55.1	125.0	276.9	467.6	669.4	918.1
2.5°	0.0	10.4	15.6	22.6	34.7	55.4	126.3	280.0	472.2	674.9	925.7
0°	0.0	10.4	15.6	22.6	34.7	55.4	126.3	280.0	472.2	674.9	925.7
-2.5°	0.0	10.4	15.6	22.6	34.7	55.4	126.3	280.0	472.2	674.9	925.7
-5°	0.0	10.4	15.6	22.5	34.5	55.1	125.0	276.9	467.6	669.4	918.1
-7.5°	0.0	10.3	15.5	22.4	34.3	54.6	123.0	271.6	460.0	660.2	905.3
-10°	0.0	10.2	15.4	22.3	34.0	53.9	120.1	264.2	449.3	647.5	887.5
-12.5°	0.0	10.2	15.4	22.1	33.5	53.0	116.3	254.7	435.7	631.1	864.7
-15°	0.0	10.0	15.2	21.9	33.0	51.9	111.8	243.1	419.1	611.2	837.0
-17.5°	0.0	9.9	15.1	21.6	32.4	50.6	106.5	229.6	399.6	587.9	804.5
-20°	0.0	9.8	15.0	21.3	31.8	49.1	100.4	214.0	377.2	561.1	767.2



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.6	14.8	21.0	31.0	47.5	93.5	196.5	352.0	530.9	725.2
-25°	0.0	9.4	14.6	20.6	30.1	45.6	85.9	177.0	324.1	497.5	678.8
-27.5°	0.0	9.2	14.4	20.2	29.2	43.6	77.5	155.7	293.5	461.6	637.4
-30°	0.0	9.0	14.2	19.8	28.2	41.4	68.4	132.6	264.4	424.0	593.0
-32.5°	0.0	8.8	14.0	19.3	27.1	39.0	58.6	117.9	235.7	383.5	545.3
-35°	0.0	8.5	13.7	18.8	25.9	36.5	53.3	105.6	205.1	340.3	494.4
-37.5°	0.0	8.2	13.4	18.2	24.6	34.2	50.1	92.6	172.7	294.5	442.1
-40°	0.0	8.0	13.2	17.7	23.3	32.5	46.6	78.8	138.4	253.1	388.1
-42.5°	0.0	7.7	12.9	17.1	22.2	30.7	43.0	64.3	115.5	212.4	331.6
-45°	0.0	7.4	12.5	16.4	21.3	28.9	39.2	53.6	98.1	169.9	274.2
-47.5°	0.0	7.0	12.2	15.8	20.5	27.0	35.3	49.0	80.0	126.2	224.9
-50°	0.0	6.7	11.9	15.2	19.5	25.0	32.7	44.2	61.2	105.1	173.8
-52.5°	0.0	6.3	11.5	14.7	18.6	22.9	30.2	39.3	51.5	83.2	124.1
-55°	0.0	6.0	11.2	14.1	17.6	21.6	27.6	34.4	45.6	60.6	99.0
-57.5°	0.0	5.6	10.8	13.6	16.6	20.3	25.0	31.3	39.6	50.2	73.3
-60°	0.0	5.2	10.4	13.0	15.6	19.0	22.4	28.2	34.0	43.3	53.0
-62.5°	0.0	4.8	9.6	12.4	14.8	17.7	20.8	24.9	30.3	36.2	45.1
-65°	0.0	4.4	8.8	11.8	14.0	16.3	19.2	22.0	26.5	31.3	37.1
-67.5°	0.0	4.0	8.0	11.2	13.1	15.1	17.5	20.1	22.7	27.1	31.3
-70°	0.0	3.6	7.1	10.5	12.3	14.0	15.8	18.1	20.4	22.7	26.5
-72.5°	0.0	3.1	6.2	9.4	11.4	13.0	14.5	16.1	18.1	20.1	22.0
-75°	0.0	2.7	5.4	8.1	10.6	11.9	13.2	14.5	15.8	17.5	19.2
-77.5°	0.0	2.3	4.5	6.7	9.0	10.8	11.9	13.0	14.0	15.1	16.3
-80°	0.0	1.8	3.6	5.4	7.2	9.0	10.6	11.4	12.3	13.1	14.0
-82.5°	0.0	1.4	2.7	4.1	5.4	6.7	8.1	9.4	10.5	11.2	11.8
-85°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.2	7.1	8.0	8.8
-87.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.1	3.6	4.0	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-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°	4.8	5.2	5.6	6.0	6.3	6.7	7.0	7.4	7.7	8.0	8.2
85°	9.6	10.4	10.8	11.2	11.5	11.9	12.2	12.5	12.9	13.2	13.4
82.5°	12.4	13.0	13.6	14.1	14.7	15.2	15.8	16.4	17.1	17.7	18.2
80°	14.8	15.6	16.6	17.6	18.6	19.5	20.5	21.3	22.2	23.3	24.6
77.5°	17.7	19.0	20.3	21.6	22.9	25.0	27.0	28.9	30.7	32.5	34.2
75°	20.8	22.4	25.0	27.6	30.2	32.7	35.3	39.2	43.0	46.6	50.1
72.5°	24.9	28.2	31.3	34.4	39.3	44.2	49.0	53.6	64.3	78.8	92.6
70°	30.3	34.0	39.6	45.6	51.5	61.2	80.0	98.1	115.5	138.4	172.7
67.5°	36.2	43.3	50.2	60.6	83.2	105.1	126.2	169.9	212.4	253.1	294.5
65°	45.1	53.0	73.3	99.0	124.1	173.8	224.9	274.2	331.6	388.1	442.1
62.5°	53.9	79.7	108.6	148.8	208.6	266.6	333.3	401.0	466.3	531.8	594.6
60°	79.7	111.8	162.8	229.6	298.1	377.2	453.9	530.9	606.2	678.8	764.3
57.5°	108.6	162.8	236.6	315.7	403.8	490.3	578.0	662.8	760.9	858.4	952.5
55°	148.8	229.6	315.7	412.6	509.2	606.4	706.8	820.4	930.1	1039.9	1145.0
52.5°	208.6	298.1	403.8	509.2	616.0	730.6	856.3	980.4	1103.1	1220.2	1329.1
50°	266.6	377.2	490.3	606.4	730.6	868.4	1005.7	1141.5	1269.7	1391.4	1513.4
47.5°	333.3	453.9	578.0	706.8	856.3	1005.7	1154.3	1294.6	1429.2	1568.2	1702.8
45°	401.0	530.9	662.8	820.4	980.4	1141.5	1294.6	1441.9	1595.8	1735.0	1835.4
42.5°	466.3	606.2	760.9	930.1	1103.1	1269.7	1429.2	1595.8	1744.9	1855.3	1919.4
40°	531.8	678.8	858.4	1039.9	1220.2	1391.4	1568.2	1735.0	1855.3	1922.4	1955.6
37.5°	594.6	764.3	952.5	1145.0	1329.1	1513.4	1702.8	1835.4	1919.4	1955.6	2081.6
35°	654.4	845.6	1044.9	1243.1	1433.0	1633.7	1795.8	1910.5	1949.5	2070.1	2530.2
32.5°	718.9	922.4	1132.3	1334.3	1538.5	1737.3	1881.7	1937.4	2035.6	2333.3	3539.4
30°	784.5	997.4	1213.5	1420.2	1638.5	1812.8	1919.6	1978.8	2137.3	3238.3	4387.3
27.5°	845.6	1067.4	1287.2	1504.9	1726.3	1883.6	1942.0	2068.3	2743.3	4054.8	5129.8
25°	902.0	1132.3	1355.4	1584.9	1787.1	1915.7	1978.3	2151.8	3491.3	4706.7	5445.5
22.5°	954.7	1191.5	1418.0	1658.4	1842.9	1933.5	2049.8	2707.2	4127.7	5291.8	5639.1
20°	1003.3	1243.1	1477.0	1721.2	1893.6	1949.6	2114.9	3293.6	4641.9	5456.9	5797.8
17.5°	1046.5	1289.0	1531.3	1762.7	1912.6	1982.8	2242.8	3820.2	5104.6	5605.8	5932.5
15°	1084.3	1329.1	1578.8	1799.1	1924.3	2030.0	2670.2	4209.1	5351.7	5731.4	6051.3
12.5°	1116.4	1363.3	1619.3	1830.1	1934.2	2070.3	3036.4	4532.3	5456.2	5826.4	6135.5
10°	1142.9	1391.4	1652.7	1855.7	1942.4	2103.7	3339.2	4800.0	5542.9	5905.3	6205.6
7.5°	1163.6	1413.5	1678.8	1875.8	1948.9	2129.8	3576.8	5010.3	5611.1	5967.5	6260.9
5°	1178.4	1429.2	1697.5	1890.2	1953.5	2148.6	3747.6	5161.6	5660.2	6012.4	6300.9
2.5°	1187.3	1438.7	1708.7	1898.8	1956.3	2159.9	3850.5	5252.8	5689.9	6039.4	6325.0
0°	1190.3	1441.9	1712.5	1901.7	1957.2	2163.7	3884.9	5283.3	5699.8	6048.5	6333.1
-2.5°	1187.3	1438.7	1708.7	1898.8	1956.3	2159.9	3850.5	5252.8	5689.9	6039.4	6325.0
-5°	1178.4	1429.2	1697.5	1890.2	1953.5	2148.6	3747.6	5161.6	5660.2	6012.4	6300.9
-7.5°	1163.6	1413.5	1678.8	1875.8	1948.9	2129.8	3576.8	5010.3	5611.1	5967.5	6260.9
-10°	1142.9	1391.4	1652.7	1855.7	1942.4	2103.7	3339.2	4800.0	5542.9	5905.3	6205.6
-12.5°	1116.4	1363.3	1619.3	1830.1	1934.2	2070.3	3036.4	4532.3	5456.2	5826.4	6135.5
-15°	1084.3	1329.1	1578.8	1799.1	1924.3	2030.0	2670.2	4209.1	5351.7	5731.4	6051.3
-17.5°	1046.5	1289.0	1531.3	1762.7	1912.6	1982.8	2242.8	3820.2	5104.6	5605.8	5932.5
-20°	1003.3	1243.1	1477.0	1721.2	1893.6	1949.6	2114.9	3293.6	4641.9	5456.9	5797.8



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	954.7	1191.5	1418.0	1658.4	1842.9	1933.5	2049.8	2707.2	4127.7	5291.8	5639.1
-25°	902.0	1132.3	1355.4	1584.9	1787.1	1915.7	1978.3	2151.8	3491.3	4706.7	5445.5
-27.5°	845.6	1067.4	1287.2	1504.9	1726.3	1883.6	1942.0	2068.3	2743.3	4054.8	5129.8
-30°	784.5	997.4	1213.5	1420.2	1638.5	1812.8	1919.6	1978.8	2137.3	3238.3	4387.3
-32.5°	718.9	922.4	1132.3	1334.3	1538.5	1737.3	1881.7	1937.4	2035.6	2333.3	3539.4
-35°	654.4	845.6	1044.9	1243.1	1433.0	1633.7	1795.8	1910.5	1949.5	2070.1	2530.2
-37.5°	594.6	764.3	952.5	1145.0	1329.1	1513.4	1702.8	1835.4	1919.4	1955.6	2081.6
-40°	531.8	678.8	858.4	1039.9	1220.2	1391.4	1568.2	1735.0	1855.3	1922.4	1955.6
-42.5°	466.3	606.2	760.9	930.1	1103.1	1269.7	1429.2	1595.8	1744.9	1855.3	1919.4
-45°	401.0	530.9	662.8	820.4	980.4	1141.5	1294.6	1441.9	1595.8	1735.0	1835.4
-47.5°	333.3	453.9	578.0	706.8	856.3	1005.7	1154.3	1294.6	1429.2	1568.2	1702.8
-50°	266.6	377.2	490.3	606.4	730.6	868.4	1005.7	1141.5	1269.7	1391.4	1513.4
-52.5°	208.6	298.1	403.8	509.2	616.0	730.6	856.3	980.4	1103.1	1220.2	1329.1
-55°	148.8	229.6	315.7	412.6	509.2	606.4	706.8	820.4	930.1	1039.9	1145.0
-57.5°	108.6	162.8	236.6	315.7	403.8	490.3	578.0	662.8	760.9	858.4	952.5
-60°	79.7	111.8	162.8	229.6	298.1	377.2	453.9	530.9	606.2	678.8	764.3
-62.5°	53.9	79.7	108.6	148.8	208.6	266.6	333.3	401.0	466.3	531.8	594.6
-65°	45.1	53.0	73.3	99.0	124.1	173.8	224.9	274.2	331.6	388.1	442.1
-67.5°	36.2	43.3	50.2	60.6	83.2	105.1	126.2	169.9	212.4	253.1	294.5
-70°	30.3	34.0	39.6	45.6	51.5	61.2	80.0	98.1	115.5	138.4	172.7
-72.5°	24.9	28.2	31.3	34.4	39.3	44.2	49.0	53.6	64.3	78.8	92.6
-75°	20.8	22.4	25.0	27.6	30.2	32.7	35.3	39.2	43.0	46.6	50.1
-77.5°	17.7	19.0	20.3	21.6	22.9	25.0	27.0	28.9	30.7	32.5	34.2
-80°	14.8	15.6	16.6	17.6	18.6	19.5	20.5	21.3	22.2	23.3	24.6
-82.5°	12.4	13.0	13.6	14.1	14.7	15.2	15.8	16.4	17.1	17.7	18.2
-85°	9.6	10.4	10.8	11.2	11.5	11.9	12.2	12.5	12.9	13.2	13.4
-87.5°	4.8	5.2	5.6	6.0	6.3	6.7	7.0	7.4	7.7	8.0	8.2
-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: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-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°	8.5	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.0	10.2	10.2
85°	13.7	14.0	14.2	14.4	14.6	14.8	15.0	15.1	15.2	15.4	15.4
82.5°	18.8	19.3	19.8	20.2	20.6	21.0	21.3	21.6	21.9	22.1	22.3
80°	25.9	27.1	28.2	29.2	30.1	31.0	31.8	32.4	33.0	33.5	34.0
77.5°	36.5	39.0	41.4	43.6	45.6	47.5	49.1	50.6	51.9	53.0	53.9
75°	53.3	58.6	68.4	77.5	85.9	93.5	100.4	106.5	111.8	116.3	120.1
72.5°	105.6	117.9	132.6	155.7	177.0	196.5	214.0	229.6	243.1	254.7	264.2
70°	205.1	235.7	264.4	293.5	324.1	352.0	377.2	399.6	419.1	435.7	449.3
67.5°	340.3	383.5	424.0	461.6	497.5	530.9	561.1	587.9	611.2	631.1	647.5
65°	494.4	545.3	593.0	637.4	678.8	725.2	767.2	804.5	837.0	864.7	887.5
62.5°	654.4	718.9	784.5	845.6	902.0	954.7	1003.3	1046.5	1084.3	1116.4	1142.9
60°	845.6	922.4	997.4	1067.4	1132.3	1191.5	1243.1	1289.0	1329.1	1363.3	1391.4
57.5°	1044.9	1132.3	1213.5	1287.2	1355.4	1418.0	1477.0	1531.3	1578.8	1619.3	1652.7
55°	1243.1	1334.3	1420.2	1504.9	1584.9	1658.4	1721.2	1762.7	1799.1	1830.1	1855.7
52.5°	1433.0	1538.5	1638.5	1726.3	1787.1	1842.9	1893.6	1912.6	1924.3	1934.2	1942.4
50°	1633.7	1737.3	1812.8	1883.6	1915.7	1933.5	1949.6	1982.8	2030.0	2070.3	2103.7
47.5°	1795.8	1881.7	1919.6	1942.0	1978.3	2049.8	2114.9	2242.8	2670.2	3036.4	3339.2
45°	1910.5	1937.4	1978.8	2068.3	2151.8	2707.2	3293.6	3820.2	4209.1	4532.3	4800.0
42.5°	1949.5	2035.6	2137.3	2743.3	3491.3	4127.7	4641.9	5104.6	5351.7	5456.2	5542.9
40°	2070.1	2333.3	3238.3	4054.8	4706.7	5291.8	5456.9	5605.8	5731.4	5826.4	5905.3
37.5°	2530.2	3539.4	4387.3	5129.8	5445.5	5639.1	5797.8	5932.5	6051.3	6135.5	6205.6
35°	3640.5	4555.4	5314.4	5550.2	5760.7	5934.5	6086.2	6204.9	6310.5	6346.9	6362.3
32.5°	4555.4	5340.2	5603.1	5828.9	6027.7	6183.6	6324.3	6357.1	6380.1	6389.1	6387.1
30°	5314.4	5603.1	5851.9	6070.2	6243.2	6347.7	6378.1	6388.4	6385.4	6374.2	6341.4
27.5°	5550.2	5828.9	6070.2	6263.2	6356.1	6390.2	6386.3	6372.2	6323.7	6281.2	6423.3
25°	5760.7	6027.7	6243.2	6356.1	6389.7	6385.2	6346.9	6288.8	6459.7	6644.7	7957.6
22.5°	5934.5	6183.6	6347.7	6390.2	6385.2	6338.3	6321.1	6571.0	7925.1	10197.9	14260.6
20°	6086.2	6324.3	6378.1	6386.3	6346.9	6321.1	6608.7	8815.0	12411.7	20885.6	29103.6
17.5°	6204.9	6357.1	6388.4	6372.2	6288.8	6571.0	8815.0	14031.4	24320.3	37953.2	51206.1
15°	6310.5	6380.1	6385.4	6323.7	6459.7	7925.1	12411.7	24320.3	40988.6	61727.1	86974.2
12.5°	6346.9	6389.1	6374.2	6281.2	6644.7	10197.9	20885.6	37953.2	61727.1	93106.1	131530.7
10°	6362.3	6387.1	6341.4	6423.3	7957.6	14260.6	29103.6	51206.1	86974.2	131530.7	179632.2
7.5°	6374.4	6385.5	6315.3	6537.5	9373.6	19602.2	38815.9	69290.2	113166.9	167127.2	230974.8
5°	6383.2	6384.3	6296.4	6621.0	10411.6	23540.2	46031.5	83281.8	135438.2	199885.9	274344.6
2.5°	6388.5	6383.6	6284.9	6671.7	11045.7	25956.1	50484.1	91986.4	149460.9	222264.0	302623.2
0°	6390.3	6383.4	6281.0	6688.8	11259.0	26770.7	51990.1	94944.0	154257.9	230225.2	312539.5
-2.5°	6388.5	6383.6	6284.9	6671.7	11045.7	25956.1	50484.1	91986.4	149460.9	222264.0	302623.2
-5°	6383.2	6384.3	6296.4	6621.0	10411.6	23540.2	46031.5	83281.8	135438.2	199885.9	274344.6
-7.5°	6374.4	6385.5	6315.3	6537.5	9373.6	19602.2	38815.9	69290.2	113166.9	167127.2	230974.8
-10°	6362.3	6387.1	6341.4	6423.3	7957.6	14260.6	29103.6	51206.1	86974.2	131530.7	179632.2
-12.5°	6346.9	6389.1	6374.2	6281.2	6644.7	10197.9	20885.6	37953.2	61727.1	93106.1	131530.7
-15°	6310.5	6380.1	6385.4	6323.7	6459.7	7925.1	12411.7	24320.3	40988.6	61727.1	86974.2
-17.5°	6204.9	6357.1	6388.4	6372.2	6288.8	6571.0	8815.0	14031.4	24320.3	37953.2	51206.1
-20°	6086.2	6324.3	6378.1	6386.3	6346.9	6321.1	6608.7	8815.0	12411.7	20885.6	29103.6



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5934.5	6183.6	6347.7	6390.2	6385.2	6338.3	6321.1	6571.0	7925.1	10197.9	14260.6
-25°	5760.7	6027.7	6243.2	6356.1	6389.7	6385.2	6346.9	6288.8	6459.7	6644.7	7957.6
-27.5°	5550.2	5828.9	6070.2	6263.2	6356.1	6390.2	6386.3	6372.2	6323.7	6281.2	6423.3
-30°	5314.4	5603.1	5851.9	6070.2	6243.2	6347.7	6378.1	6388.4	6385.4	6374.2	6341.4
-32.5°	4555.4	5340.2	5603.1	5828.9	6027.7	6183.6	6324.3	6357.1	6380.1	6389.1	6387.1
-35°	3640.5	4555.4	5314.4	5550.2	5760.7	5934.5	6086.2	6204.9	6310.5	6346.9	6362.3
-37.5°	2530.2	3539.4	4387.3	5129.8	5445.5	5639.1	5797.8	5932.5	6051.3	6135.5	6205.6
-40°	2070.1	2333.3	3238.3	4054.8	4706.7	5291.8	5456.9	5605.8	5731.4	5826.4	5905.3
-42.5°	1949.5	2035.6	2137.3	2743.3	3491.3	4127.7	4641.9	5104.6	5351.7	5456.2	5542.9
-45°	1910.5	1937.4	1978.8	2068.3	2151.8	2707.2	3293.6	3820.2	4209.1	4532.3	4800.0
-47.5°	1795.8	1881.7	1919.6	1942.0	1978.3	2049.8	2114.9	2242.8	2670.2	3036.4	3339.2
-50°	1633.7	1737.3	1812.8	1883.6	1915.7	1933.5	1949.6	1982.8	2030.0	2070.3	2103.7
-52.5°	1433.0	1538.5	1638.5	1726.3	1787.1	1842.9	1893.6	1912.6	1924.3	1934.2	1942.4
-55°	1243.1	1334.3	1420.2	1504.9	1584.9	1658.4	1721.2	1762.7	1799.1	1830.1	1855.7
-57.5°	1044.9	1132.3	1213.5	1287.2	1355.4	1418.0	1477.0	1531.3	1578.8	1619.3	1652.7
-60°	845.6	922.4	997.4	1067.4	1132.3	1191.5	1243.1	1289.0	1329.1	1363.3	1391.4
-62.5°	654.4	718.9	784.5	845.6	902.0	954.7	1003.3	1046.5	1084.3	1116.4	1142.9
-65°	494.4	545.3	593.0	637.4	678.8	725.2	767.2	804.5	837.0	864.7	887.5
-67.5°	340.3	383.5	424.0	461.6	497.5	530.9	561.1	587.9	611.2	631.1	647.5
-70°	205.1	235.7	264.4	293.5	324.1	352.0	377.2	399.6	419.1	435.7	449.3
-72.5°	105.6	117.9	132.6	155.7	177.0	196.5	214.0	229.6	243.1	254.7	264.2
-75°	53.3	58.6	68.4	77.5	85.9	93.5	100.4	106.5	111.8	116.3	120.1
-77.5°	36.5	39.0	41.4	43.6	45.6	47.5	49.1	50.6	51.9	53.0	53.9
-80°	25.9	27.1	28.2	29.2	30.1	31.0	31.8	32.4	33.0	33.5	34.0
-82.5°	18.8	19.3	19.8	20.2	20.6	21.0	21.3	21.6	21.9	22.1	22.3
-85°	13.7	14.0	14.2	14.4	14.6	14.8	15.0	15.1	15.2	15.4	15.4
-87.5°	8.5	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.0	10.2	10.2
-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: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-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°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.2	10.0	9.9
85°	15.5	15.6	15.6	15.6	15.6	15.6	15.5	15.4	15.4	15.2	15.1
82.5°	22.4	22.5	22.6	22.6	22.6	22.5	22.4	22.3	22.1	21.9	21.6
80°	34.3	34.5	34.7	34.7	34.7	34.5	34.3	34.0	33.5	33.0	32.4
77.5°	54.6	55.1	55.4	55.5	55.4	55.1	54.6	53.9	53.0	51.9	50.6
75°	123.0	125.0	126.3	126.7	126.3	125.0	123.0	120.1	116.3	111.8	106.5
72.5°	271.6	276.9	280.0	281.1	280.0	276.9	271.6	264.2	254.7	243.1	229.6
70°	460.0	467.6	472.2	473.7	472.2	467.6	460.0	449.3	435.7	419.1	399.6
67.5°	660.2	669.4	674.9	676.7	674.9	669.4	660.2	647.5	631.1	611.2	587.9
65°	905.3	918.1	925.7	928.3	925.7	918.1	905.3	887.5	864.7	837.0	804.5
62.5°	1163.6	1178.4	1187.3	1190.3	1187.3	1178.4	1163.6	1142.9	1116.4	1084.3	1046.5
60°	1413.5	1429.2	1438.7	1441.9	1438.7	1429.2	1413.5	1391.4	1363.3	1329.1	1289.0
57.5°	1678.8	1697.5	1708.7	1712.5	1708.7	1697.5	1678.8	1652.7	1619.3	1578.8	1531.3
55°	1875.8	1890.2	1898.8	1901.7	1898.8	1890.2	1875.8	1855.7	1830.1	1799.1	1762.7
52.5°	1948.9	1953.5	1956.3	1957.2	1956.3	1953.5	1948.9	1942.4	1934.2	1924.3	1912.6
50°	2129.8	2148.6	2159.9	2163.7	2159.9	2148.6	2129.8	2103.7	2070.3	2030.0	1982.8
47.5°	3576.8	3747.6	3850.5	3884.9	3850.5	3747.6	3576.8	3339.2	3036.4	2670.2	2242.8
45°	5010.3	5161.6	5252.8	5283.3	5252.8	5161.6	5010.3	4800.0	4532.3	4209.1	3820.2
42.5°	5611.1	5660.2	5689.9	5699.8	5689.9	5660.2	5611.1	5542.9	5456.2	5351.7	5104.6
40°	5967.5	6012.4	6039.4	6048.5	6039.4	6012.4	5967.5	5905.3	5826.4	5731.4	5605.8
37.5°	6260.9	6300.9	6325.0	6333.1	6325.0	6300.9	6260.9	6205.6	6135.5	6051.3	5932.5
35°	6374.4	6383.2	6388.5	6390.3	6388.5	6383.2	6374.4	6362.3	6346.9	6310.5	6204.9
32.5°	6385.5	6384.3	6383.6	6383.4	6383.6	6384.3	6385.5	6387.1	6389.1	6380.1	6357.1
30°	6315.3	6296.4	6284.9	6281.0	6284.9	6296.4	6315.3	6341.4	6374.2	6385.4	6388.4
27.5°	6537.5	6621.0	6671.7	6688.8	6671.7	6621.0	6537.5	6423.3	6281.2	6323.7	6372.2
25°	9373.6	10411.6	11045.7	11259.0	11045.7	10411.6	9373.6	7957.6	6644.7	6459.7	6288.8
22.5°	19602.2	23540.2	25956.1	26770.7	25956.1	23540.2	19602.2	14260.6	10197.9	7925.1	6571.0
20°	38815.9	46031.5	50484.1	51990.1	50484.1	46031.5	38815.9	29103.6	20885.6	12411.7	8815.0
17.5°	69290.2	83281.8	91986.4	94944.0	91986.4	83281.8	69290.2	51206.1	37953.2	24320.3	14031.4
15°	113166.9	135438.2	149460.9	154257.9	149460.9	135438.2	113166.9	86974.2	61727.1	40988.6	24320.3
12.5°	167127.2	199885.9	222264.0	230225.2	222264.0	199885.9	167127.2	131530.7	93106.1	61727.1	37953.2
10°	230974.8	274344.6	302623.2	312539.5	302623.2	274344.6	230974.8	179632.2	131530.7	86974.2	51206.1
7.5°	293291.0	344780.7	382760.6	396506.4	382760.6	344780.7	293291.0	230974.8	167127.2	113166.9	69290.2
5°	344780.7	411274.0	452044.5	464932.2	452044.5	411274.0	344780.7	274344.6	199885.9	135438.2	83281.8
2.5°	382760.6	452044.5	496116.8	518968.9	496116.8	452044.5	382760.6	302623.2	222264.0	149460.9	91986.4
0°	396506.4	464932.2	518968.9	557757.6	518968.9	464932.2	396506.4	312539.5	230225.2	154257.9	94944.0
-2.5°	382760.6	452044.5	496116.8	518968.9	496116.8	452044.5	382760.6	302623.2	222264.0	149460.9	91986.4
-5°	344780.7	411274.0	452044.5	464932.2	452044.5	411274.0	344780.7	274344.6	199885.9	135438.2	83281.8
-7.5°	293291.0	344780.7	382760.6	396506.4	382760.6	344780.7	293291.0	230974.8	167127.2	113166.9	69290.2
-10°	230974.8	274344.6	302623.2	312539.5	302623.2	274344.6	230974.8	179632.2	131530.7	86974.2	51206.1
-12.5°	167127.2	199885.9	222264.0	230225.2	222264.0	199885.9	167127.2	131530.7	93106.1	61727.1	37953.2
-15°	113166.9	135438.2	149460.9	154257.9	149460.9	135438.2	113166.9	86974.2	61727.1	40988.6	24320.3
-17.5°	69290.2	83281.8	91986.4	94944.0	91986.4	83281.8	69290.2	51206.1	37953.2	24320.3	14031.4
-20°	38815.9	46031.5	50484.1	51990.1	50484.1	46031.5	38815.9	29103.6	20885.6	12411.7	8815.0



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19602.2	23540.2	25956.1	26770.7	25956.1	23540.2	19602.2	14260.6	10197.9	7925.1	6571.0
-25°	9373.6	10411.6	11045.7	11259.0	11045.7	10411.6	9373.6	7957.6	6644.7	6459.7	6288.8
-27.5°	6537.5	6621.0	6671.7	6688.8	6671.7	6621.0	6537.5	6423.3	6281.2	6323.7	6372.2
-30°	6315.3	6296.4	6284.9	6281.0	6284.9	6296.4	6315.3	6341.4	6374.2	6385.4	6388.4
-32.5°	6385.5	6384.3	6383.6	6383.4	6383.6	6384.3	6385.5	6387.1	6389.1	6380.1	6357.1
-35°	6374.4	6383.2	6388.5	6390.3	6388.5	6383.2	6374.4	6362.3	6346.9	6310.5	6204.9
-37.5°	6260.9	6300.9	6325.0	6333.1	6325.0	6300.9	6260.9	6205.6	6135.5	6051.3	5932.5
-40°	5967.5	6012.4	6039.4	6048.5	6039.4	6012.4	5967.5	5905.3	5826.4	5731.4	5605.8
-42.5°	5611.1	5660.2	5689.9	5699.8	5689.9	5660.2	5611.1	5542.9	5456.2	5351.7	5104.6
-45°	5010.3	5161.6	5252.8	5283.3	5252.8	5161.6	5010.3	4800.0	4532.3	4209.1	3820.2
-47.5°	3576.8	3747.6	3850.5	3884.9	3850.5	3747.6	3576.8	3339.2	3036.4	2670.2	2242.8
-50°	2129.8	2148.6	2159.9	2163.7	2159.9	2148.6	2129.8	2103.7	2070.3	2030.0	1982.8
-52.5°	1948.9	1953.5	1956.3	1957.2	1956.3	1953.5	1948.9	1942.4	1934.2	1924.3	1912.6
-55°	1875.8	1890.2	1898.8	1901.7	1898.8	1890.2	1875.8	1855.7	1830.1	1799.1	1762.7
-57.5°	1678.8	1697.5	1708.7	1712.5	1708.7	1697.5	1678.8	1652.7	1619.3	1578.8	1531.3
-60°	1413.5	1429.2	1438.7	1441.9	1438.7	1429.2	1413.5	1391.4	1363.3	1329.1	1289.0
-62.5°	1163.6	1178.4	1187.3	1190.3	1187.3	1178.4	1163.6	1142.9	1116.4	1084.3	1046.5
-65°	905.3	918.1	925.7	928.3	925.7	918.1	905.3	887.5	864.7	837.0	804.5
-67.5°	660.2	669.4	674.9	676.7	674.9	669.4	660.2	647.5	631.1	611.2	587.9
-70°	460.0	467.6	472.2	473.7	472.2	467.6	460.0	449.3	435.7	419.1	399.6
-72.5°	271.6	276.9	280.0	281.1	280.0	276.9	271.6	264.2	254.7	243.1	229.6
-75°	123.0	125.0	126.3	126.7	126.3	125.0	123.0	120.1	116.3	111.8	106.5
-77.5°	54.6	55.1	55.4	55.5	55.4	55.1	54.6	53.9	53.0	51.9	50.6
-80°	34.3	34.5	34.7	34.7	34.7	34.5	34.3	34.0	33.5	33.0	32.4
-82.5°	22.4	22.5	22.6	22.6	22.6	22.5	22.4	22.3	22.1	21.9	21.6
-85°	15.5	15.6	15.6	15.6	15.6	15.6	15.5	15.4	15.4	15.2	15.1
-87.5°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.2	10.0	9.9
-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: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-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°	9.8	9.6	9.4	9.2	9.0	8.8	8.5	8.2	8.0	7.7	7.4
85°	15.0	14.8	14.6	14.4	14.2	14.0	13.7	13.4	13.2	12.9	12.5
82.5°	21.3	21.0	20.6	20.2	19.8	19.3	18.8	18.2	17.7	17.1	16.4
80°	31.8	31.0	30.1	29.2	28.2	27.1	25.9	24.6	23.3	22.2	21.3
77.5°	49.1	47.5	45.6	43.6	41.4	39.0	36.5	34.2	32.5	30.7	28.9
75°	100.4	93.5	85.9	77.5	68.4	58.6	53.3	50.1	46.6	43.0	39.2
72.5°	214.0	196.5	177.0	155.7	132.6	117.9	105.6	92.6	78.8	64.3	53.6
70°	377.2	352.0	324.1	293.5	264.4	235.7	205.1	172.7	138.4	115.5	98.1
67.5°	561.1	530.9	497.5	461.6	424.0	383.5	340.3	294.5	253.1	212.4	169.9
65°	767.2	725.2	678.8	637.4	593.0	545.3	494.4	442.1	388.1	331.6	274.2
62.5°	1003.3	954.7	902.0	845.6	784.5	718.9	654.4	594.6	531.8	466.3	401.0
60°	1243.1	1191.5	1132.3	1067.4	997.4	922.4	845.6	764.3	678.8	606.2	530.9
57.5°	1477.0	1418.0	1355.4	1287.2	1213.5	1132.3	1044.9	952.5	858.4	760.9	662.8
55°	1721.2	1658.4	1584.9	1504.9	1420.2	1334.3	1243.1	1145.0	1039.9	930.1	820.4
52.5°	1893.6	1842.9	1787.1	1726.3	1638.5	1538.5	1433.0	1329.1	1220.2	1103.1	980.4
50°	1949.6	1933.5	1915.7	1883.6	1812.8	1737.3	1633.7	1513.4	1391.4	1269.7	1141.5
47.5°	2114.9	2049.8	1978.3	1942.0	1919.6	1881.7	1795.8	1702.8	1568.2	1429.2	1294.6
45°	3293.6	2707.2	2151.8	2068.3	1978.8	1937.4	1910.5	1835.4	1735.0	1595.8	1441.9
42.5°	4641.9	4127.7	3491.3	2743.3	2137.3	2035.6	1949.5	1919.4	1855.3	1744.9	1595.8
40°	5456.9	5291.8	4706.7	4054.8	3238.3	2333.3	2070.1	1955.6	1922.4	1855.3	1735.0
37.5°	5797.8	5639.1	5445.5	5129.8	4387.3	3539.4	2530.2	2081.6	1955.6	1919.4	1835.4
35°	6086.2	5934.5	5760.7	5550.2	5314.4	4555.4	3640.5	2530.2	2070.1	1949.5	1910.5
32.5°	6324.3	6183.6	6027.7	5828.9	5603.1	5340.2	4555.4	3539.4	2333.3	2035.6	1937.4
30°	6378.1	6347.7	6243.2	6070.2	5851.9	5603.1	5314.4	4387.3	3238.3	2137.3	1978.8
27.5°	6386.3	6390.2	6356.1	6263.2	6070.2	5828.9	5550.2	5129.8	4054.8	2743.3	2068.3
25°	6346.9	6385.2	6389.7	6356.1	6243.2	6027.7	5760.7	5445.5	4706.7	3491.3	2151.8
22.5°	6321.1	6338.3	6385.2	6390.2	6347.7	6183.6	5934.5	5639.1	5291.8	4127.7	2707.2
20°	6608.7	6321.1	6346.9	6386.3	6378.1	6324.3	6086.2	5797.8	5456.9	4641.9	3293.6
17.5°	8815.0	6571.0	6288.8	6372.2	6388.4	6357.1	6204.9	5932.5	5605.8	5104.6	3820.2
15°	12411.7	7925.1	6459.7	6323.7	6385.4	6380.1	6310.5	6051.3	5731.4	5351.7	4209.1
12.5°	20885.6	10197.9	6644.7	6281.2	6374.2	6389.1	6346.9	6135.5	5826.4	5456.2	4532.3
10°	29103.6	14260.6	7957.6	6423.3	6341.4	6387.1	6362.3	6205.6	5905.3	5542.9	4800.0
7.5°	38815.9	19602.2	9373.6	6537.5	6315.3	6385.5	6374.4	6260.9	5967.5	5611.1	5010.3
5°	46031.5	23540.2	10411.6	6621.0	6296.4	6384.3	6383.2	6300.9	6012.4	5660.2	5161.6
2.5°	50484.1	25956.1	11045.7	6671.7	6284.9	6383.6	6388.5	6325.0	6039.4	5689.9	5252.8
0°	51990.1	26770.7	11259.0	6688.8	6281.0	6383.4	6390.3	6333.1	6048.5	5699.8	5283.3
-2.5°	50484.1	25956.1	11045.7	6671.7	6284.9	6383.6	6388.5	6325.0	6039.4	5689.9	5252.8
-5°	46031.5	23540.2	10411.6	6621.0	6296.4	6384.3	6383.2	6300.9	6012.4	5660.2	5161.6
-7.5°	38815.9	19602.2	9373.6	6537.5	6315.3	6385.5	6374.4	6260.9	5967.5	5611.1	5010.3
-10°	29103.6	14260.6	7957.6	6423.3	6341.4	6387.1	6362.3	6205.6	5905.3	5542.9	4800.0
-12.5°	20885.6	10197.9	6644.7	6281.2	6374.2	6389.1	6346.9	6135.5	5826.4	5456.2	4532.3
-15°	12411.7	7925.1	6459.7	6323.7	6385.4	6380.1	6310.5	6051.3	5731.4	5351.7	4209.1
-17.5°	8815.0	6571.0	6288.8	6372.2	6388.4	6357.1	6204.9	5932.5	5605.8	5104.6	3820.2
-20°	6608.7	6321.1	6346.9	6386.3	6378.1	6324.3	6086.2	5797.8	5456.9	4641.9	3293.6



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6321.1	6338.3	6385.2	6390.2	6347.7	6183.6	5934.5	5639.1	5291.8	4127.7	2707.2
-25°	6346.9	6385.2	6389.7	6356.1	6243.2	6027.7	5760.7	5445.5	4706.7	3491.3	2151.8
-27.5°	6386.3	6390.2	6356.1	6263.2	6070.2	5828.9	5550.2	5129.8	4054.8	2743.3	2068.3
-30°	6378.1	6347.7	6243.2	6070.2	5851.9	5603.1	5314.4	4387.3	3238.3	2137.3	1978.8
-32.5°	6324.3	6183.6	6027.7	5828.9	5603.1	5340.2	4555.4	3539.4	2333.3	2035.6	1937.4
-35°	6086.2	5934.5	5760.7	5550.2	5314.4	4555.4	3640.5	2530.2	2070.1	1949.5	1910.5
-37.5°	5797.8	5639.1	5445.5	5129.8	4387.3	3539.4	2530.2	2081.6	1955.6	1919.4	1835.4
-40°	5456.9	5291.8	4706.7	4054.8	3238.3	2333.3	2070.1	1955.6	1922.4	1855.3	1735.0
-42.5°	4641.9	4127.7	3491.3	2743.3	2137.3	2035.6	1949.5	1919.4	1855.3	1744.9	1595.8
-45°	3293.6	2707.2	2151.8	2068.3	1978.8	1937.4	1910.5	1835.4	1735.0	1595.8	1441.9
-47.5°	2114.9	2049.8	1978.3	1942.0	1919.6	1881.7	1795.8	1702.8	1568.2	1429.2	1294.6
-50°	1949.6	1933.5	1915.7	1883.6	1812.8	1737.3	1633.7	1513.4	1391.4	1269.7	1141.5
-52.5°	1893.6	1842.9	1787.1	1726.3	1638.5	1538.5	1433.0	1329.1	1220.2	1103.1	980.4
-55°	1721.2	1658.4	1584.9	1504.9	1420.2	1334.3	1243.1	1145.0	1039.9	930.1	820.4
-57.5°	1477.0	1418.0	1355.4	1287.2	1213.5	1132.3	1044.9	952.5	858.4	760.9	662.8
-60°	1243.1	1191.5	1132.3	1067.4	997.4	922.4	845.6	764.3	678.8	606.2	530.9
-62.5°	1003.3	954.7	902.0	845.6	784.5	718.9	654.4	594.6	531.8	466.3	401.0
-65°	767.2	725.2	678.8	637.4	593.0	545.3	494.4	442.1	388.1	331.6	274.2
-67.5°	561.1	530.9	497.5	461.6	424.0	383.5	340.3	294.5	253.1	212.4	169.9
-70°	377.2	352.0	324.1	293.5	264.4	235.7	205.1	172.7	138.4	115.5	98.1
-72.5°	214.0	196.5	177.0	155.7	132.6	117.9	105.6	92.6	78.8	64.3	53.6
-75°	100.4	93.5	85.9	77.5	68.4	58.6	53.3	50.1	46.6	43.0	39.2
-77.5°	49.1	47.5	45.6	43.6	41.4	39.0	36.5	34.2	32.5	30.7	28.9
-80°	31.8	31.0	30.1	29.2	28.2	27.1	25.9	24.6	23.3	22.2	21.3
-82.5°	21.3	21.0	20.6	20.2	19.8	19.3	18.8	18.2	17.7	17.1	16.4
-85°	15.0	14.8	14.6	14.4	14.2	14.0	13.7	13.4	13.2	12.9	12.5
-87.5°	9.8	9.6	9.4	9.2	9.0	8.8	8.5	8.2	8.0	7.7	7.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-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°	7.0	6.7	6.3	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.1
85°	12.2	11.9	11.5	11.2	10.8	10.4	9.6	8.8	8.0	7.1	6.2
82.5°	15.8	15.2	14.7	14.1	13.6	13.0	12.4	11.8	11.2	10.5	9.4
80°	20.5	19.5	18.6	17.6	16.6	15.6	14.8	14.0	13.1	12.3	11.4
77.5°	27.0	25.0	22.9	21.6	20.3	19.0	17.7	16.3	15.1	14.0	13.0
75°	35.3	32.7	30.2	27.6	25.0	22.4	20.8	19.2	17.5	15.8	14.5
72.5°	49.0	44.2	39.3	34.4	31.3	28.2	24.9	22.0	20.1	18.1	16.1
70°	80.0	61.2	51.5	45.6	39.6	34.0	30.3	26.5	22.7	20.4	18.1
67.5°	126.2	105.1	83.2	60.6	50.2	43.3	36.2	31.3	27.1	22.7	20.1
65°	224.9	173.8	124.1	99.0	73.3	53.0	45.1	37.1	31.3	26.5	22.0
62.5°	333.3	266.6	208.6	148.8	108.6	79.7	53.9	45.1	36.2	30.3	24.9
60°	453.9	377.2	298.1	229.6	162.8	111.8	79.7	53.0	43.3	34.0	28.2
57.5°	578.0	490.3	403.8	315.7	236.6	162.8	108.6	73.3	50.2	39.6	31.3
55°	706.8	606.4	509.2	412.6	315.7	229.6	148.8	99.0	60.6	45.6	34.4
52.5°	856.3	730.6	616.0	509.2	403.8	298.1	208.6	124.1	83.2	51.5	39.3
50°	1005.7	868.4	730.6	606.4	490.3	377.2	266.6	173.8	105.1	61.2	44.2
47.5°	1154.3	1005.7	856.3	706.8	578.0	453.9	333.3	224.9	126.2	80.0	49.0
45°	1294.6	1141.5	980.4	820.4	662.8	530.9	401.0	274.2	169.9	98.1	53.6
42.5°	1429.2	1269.7	1103.1	930.1	760.9	606.2	466.3	331.6	212.4	115.5	64.3
40°	1568.2	1391.4	1220.2	1039.9	858.4	678.8	531.8	388.1	253.1	138.4	78.8
37.5°	1702.8	1513.4	1329.1	1145.0	952.5	764.3	594.6	442.1	294.5	172.7	92.6
35°	1795.8	1633.7	1433.0	1243.1	1044.9	845.6	654.4	494.4	340.3	205.1	105.6
32.5°	1881.7	1737.3	1538.5	1334.3	1132.3	922.4	718.9	545.3	383.5	235.7	117.9
30°	1919.6	1812.8	1638.5	1420.2	1213.5	997.4	784.5	593.0	424.0	264.4	132.6
27.5°	1942.0	1883.6	1726.3	1504.9	1287.2	1067.4	845.6	637.4	461.6	293.5	155.7
25°	1978.3	1915.7	1787.1	1584.9	1355.4	1132.3	902.0	678.8	497.5	324.1	177.0
22.5°	2049.8	1933.5	1842.9	1658.4	1418.0	1191.5	954.7	725.2	530.9	352.0	196.5
20°	2114.9	1949.6	1893.6	1721.2	1477.0	1243.1	1003.3	767.2	561.1	377.2	214.0
17.5°	2242.8	1982.8	1912.6	1762.7	1531.3	1289.0	1046.5	804.5	587.9	399.6	229.6
15°	2670.2	2030.0	1924.3	1799.1	1578.8	1329.1	1084.3	837.0	611.2	419.1	243.1
12.5°	3036.4	2070.3	1934.2	1830.1	1619.3	1363.3	1116.4	864.7	631.1	435.7	254.7
10°	3339.2	2103.7	1942.4	1855.7	1652.7	1391.4	1142.9	887.5	647.5	449.3	264.2
7.5°	3576.8	2129.8	1948.9	1875.8	1678.8	1413.5	1163.6	905.3	660.2	460.0	271.6
5°	3747.6	2148.6	1953.5	1890.2	1697.5	1429.2	1178.4	918.1	669.4	467.6	276.9
2.5°	3850.5	2159.9	1956.3	1898.8	1708.7	1438.7	1187.3	925.7	674.9	472.2	280.0
0°	3884.9	2163.7	1957.2	1901.7	1712.5	1441.9	1190.3	928.3	676.7	473.7	281.1
-2.5°	3850.5	2159.9	1956.3	1898.8	1708.7	1438.7	1187.3	925.7	674.9	472.2	280.0
-5°	3747.6	2148.6	1953.5	1890.2	1697.5	1429.2	1178.4	918.1	669.4	467.6	276.9
-7.5°	3576.8	2129.8	1948.9	1875.8	1678.8	1413.5	1163.6	905.3	660.2	460.0	271.6
-10°	3339.2	2103.7	1942.4	1855.7	1652.7	1391.4	1142.9	887.5	647.5	449.3	264.2
-12.5°	3036.4	2070.3	1934.2	1830.1	1619.3	1363.3	1116.4	864.7	631.1	435.7	254.7
-15°	2670.2	2030.0	1924.3	1799.1	1578.8	1329.1	1084.3	837.0	611.2	419.1	243.1
-17.5°	2242.8	1982.8	1912.6	1762.7	1531.3	1289.0	1046.5	804.5	587.9	399.6	229.6
-20°	2114.9	1949.6	1893.6	1721.2	1477.0	1243.1	1003.3	767.2	561.1	377.2	214.0



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2049.8	1933.5	1842.9	1658.4	1418.0	1191.5	954.7	725.2	530.9	352.0	196.5
-25°	1978.3	1915.7	1787.1	1584.9	1355.4	1132.3	902.0	678.8	497.5	324.1	177.0
-27.5°	1942.0	1883.6	1726.3	1504.9	1287.2	1067.4	845.6	637.4	461.6	293.5	155.7
-30°	1919.6	1812.8	1638.5	1420.2	1213.5	997.4	784.5	593.0	424.0	264.4	132.6
-32.5°	1881.7	1737.3	1538.5	1334.3	1132.3	922.4	718.9	545.3	383.5	235.7	117.9
-35°	1795.8	1633.7	1433.0	1243.1	1044.9	845.6	654.4	494.4	340.3	205.1	105.6
-37.5°	1702.8	1513.4	1329.1	1145.0	952.5	764.3	594.6	442.1	294.5	172.7	92.6
-40°	1568.2	1391.4	1220.2	1039.9	858.4	678.8	531.8	388.1	253.1	138.4	78.8
-42.5°	1429.2	1269.7	1103.1	930.1	760.9	606.2	466.3	331.6	212.4	115.5	64.3
-45°	1294.6	1141.5	980.4	820.4	662.8	530.9	401.0	274.2	169.9	98.1	53.6
-47.5°	1154.3	1005.7	856.3	706.8	578.0	453.9	333.3	224.9	126.2	80.0	49.0
-50°	1005.7	868.4	730.6	606.4	490.3	377.2	266.6	173.8	105.1	61.2	44.2
-52.5°	856.3	730.6	616.0	509.2	403.8	298.1	208.6	124.1	83.2	51.5	39.3
-55°	706.8	606.4	509.2	412.6	315.7	229.6	148.8	99.0	60.6	45.6	34.4
-57.5°	578.0	490.3	403.8	315.7	236.6	162.8	108.6	73.3	50.2	39.6	31.3
-60°	453.9	377.2	298.1	229.6	162.8	111.8	79.7	53.0	43.3	34.0	28.2
-62.5°	333.3	266.6	208.6	148.8	108.6	79.7	53.9	45.1	36.2	30.3	24.9
-65°	224.9	173.8	124.1	99.0	73.3	53.0	45.1	37.1	31.3	26.5	22.0
-67.5°	126.2	105.1	83.2	60.6	50.2	43.3	36.2	31.3	27.1	22.7	20.1
-70°	80.0	61.2	51.5	45.6	39.6	34.0	30.3	26.5	22.7	20.4	18.1
-72.5°	49.0	44.2	39.3	34.4	31.3	28.2	24.9	22.0	20.1	18.1	16.1
-75°	35.3	32.7	30.2	27.6	25.0	22.4	20.8	19.2	17.5	15.8	14.5
-77.5°	27.0	25.0	22.9	21.6	20.3	19.0	17.7	16.3	15.1	14.0	13.0
-80°	20.5	19.5	18.6	17.6	16.6	15.6	14.8	14.0	13.1	12.3	11.4
-82.5°	15.8	15.2	14.7	14.1	13.6	13.0	12.4	11.8	11.2	10.5	9.4
-85°	12.2	11.9	11.5	11.2	10.8	10.4	9.6	8.8	8.0	7.1	6.2
-87.5°	7.0	6.7	6.3	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.1
-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: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-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°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
85°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
82.5°	8.1	6.7	5.4	4.1	2.7	1.4	0.0
80°	10.6	9.0	7.2	5.4	3.6	1.8	0.0
77.5°	11.9	10.8	9.0	6.7	4.5	2.3	0.0
75°	13.2	11.9	10.6	8.1	5.4	2.7	0.0
72.5°	14.5	13.0	11.4	9.4	6.2	3.1	0.0
70°	15.8	14.0	12.3	10.5	7.1	3.6	0.0
67.5°	17.5	15.1	13.1	11.2	8.0	4.0	0.0
65°	19.2	16.3	14.0	11.8	8.8	4.4	0.0
62.5°	20.8	17.7	14.8	12.4	9.6	4.8	0.0
60°	22.4	19.0	15.6	13.0	10.4	5.2	0.0
57.5°	25.0	20.3	16.6	13.6	10.8	5.6	0.0
55°	27.6	21.6	17.6	14.1	11.2	6.0	0.0
52.5°	30.2	22.9	18.6	14.7	11.5	6.3	0.0
50°	32.7	25.0	19.5	15.2	11.9	6.7	0.0
47.5°	35.3	27.0	20.5	15.8	12.2	7.0	0.0
45°	39.2	28.9	21.3	16.4	12.5	7.4	0.0
42.5°	43.0	30.7	22.2	17.1	12.9	7.7	0.0
40°	46.6	32.5	23.3	17.7	13.2	8.0	0.0
37.5°	50.1	34.2	24.6	18.2	13.4	8.2	0.0
35°	53.3	36.5	25.9	18.8	13.7	8.5	0.0
32.5°	58.6	39.0	27.1	19.3	14.0	8.8	0.0
30°	68.4	41.4	28.2	19.8	14.2	9.0	0.0
27.5°	77.5	43.6	29.2	20.2	14.4	9.2	0.0
25°	85.9	45.6	30.1	20.6	14.6	9.4	0.0
22.5°	93.5	47.5	31.0	21.0	14.8	9.6	0.0
20°	100.4	49.1	31.8	21.3	15.0	9.8	0.0
17.5°	106.5	50.6	32.4	21.6	15.1	9.9	0.0
15°	111.8	51.9	33.0	21.9	15.2	10.0	0.0
12.5°	116.3	53.0	33.5	22.1	15.4	10.2	0.0
10°	120.1	53.9	34.0	22.3	15.4	10.2	0.0
7.5°	123.0	54.6	34.3	22.4	15.5	10.3	0.0
5°	125.0	55.1	34.5	22.5	15.6	10.4	0.0
2.5°	126.3	55.4	34.7	22.6	15.6	10.4	0.0
0°	126.7	55.5	34.7	22.6	15.6	10.4	0.0
-2.5°	126.3	55.4	34.7	22.6	15.6	10.4	0.0
-5°	125.0	55.1	34.5	22.5	15.6	10.4	0.0
-7.5°	123.0	54.6	34.3	22.4	15.5	10.3	0.0
-10°	120.1	53.9	34.0	22.3	15.4	10.2	0.0
-12.5°	116.3	53.0	33.5	22.1	15.4	10.2	0.0
-15°	111.8	51.9	33.0	21.9	15.2	10.0	0.0
-17.5°	106.5	50.6	32.4	21.6	15.1	9.9	0.0
-20°	100.4	49.1	31.8	21.3	15.0	9.8	0.0



REPORT NUMBER: P731301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-2S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	93.5	47.5	31.0	21.0	14.8	9.6	0.0
-25°	85.9	45.6	30.1	20.6	14.6	9.4	0.0
-27.5°	77.5	43.6	29.2	20.2	14.4	9.2	0.0
-30°	68.4	41.4	28.2	19.8	14.2	9.0	0.0
-32.5°	58.6	39.0	27.1	19.3	14.0	8.8	0.0
-35°	53.3	36.5	25.9	18.8	13.7	8.5	0.0
-37.5°	50.1	34.2	24.6	18.2	13.4	8.2	0.0
-40°	46.6	32.5	23.3	17.7	13.2	8.0	0.0
-42.5°	43.0	30.7	22.2	17.1	12.9	7.7	0.0
-45°	39.2	28.9	21.3	16.4	12.5	7.4	0.0
-47.5°	35.3	27.0	20.5	15.8	12.2	7.0	0.0
-50°	32.7	25.0	19.5	15.2	11.9	6.7	0.0
-52.5°	30.2	22.9	18.6	14.7	11.5	6.3	0.0
-55°	27.6	21.6	17.6	14.1	11.2	6.0	0.0
-57.5°	25.0	20.3	16.6	13.6	10.8	5.6	0.0
-60°	22.4	19.0	15.6	13.0	10.4	5.2	0.0
-62.5°	20.8	17.7	14.8	12.4	9.6	4.8	0.0
-65°	19.2	16.3	14.0	11.8	8.8	4.4	0.0
-67.5°	17.5	15.1	13.1	11.2	8.0	4.0	0.0
-70°	15.8	14.0	12.3	10.5	7.1	3.6	0.0
-72.5°	14.5	13.0	11.4	9.4	6.2	3.1	0.0
-75°	13.2	11.9	10.6	8.1	5.4	2.7	0.0
-77.5°	11.9	10.8	9.0	6.7	4.5	2.3	0.0
-80°	10.6	9.0	7.2	5.4	3.6	1.8	0.0
-82.5°	8.1	6.7	5.4	4.1	2.7	1.4	0.0
-85°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-87.5°	2.7	2.3	1.8	1.4	0.9	0.5	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

