

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: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-3S-VHE-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-3S-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

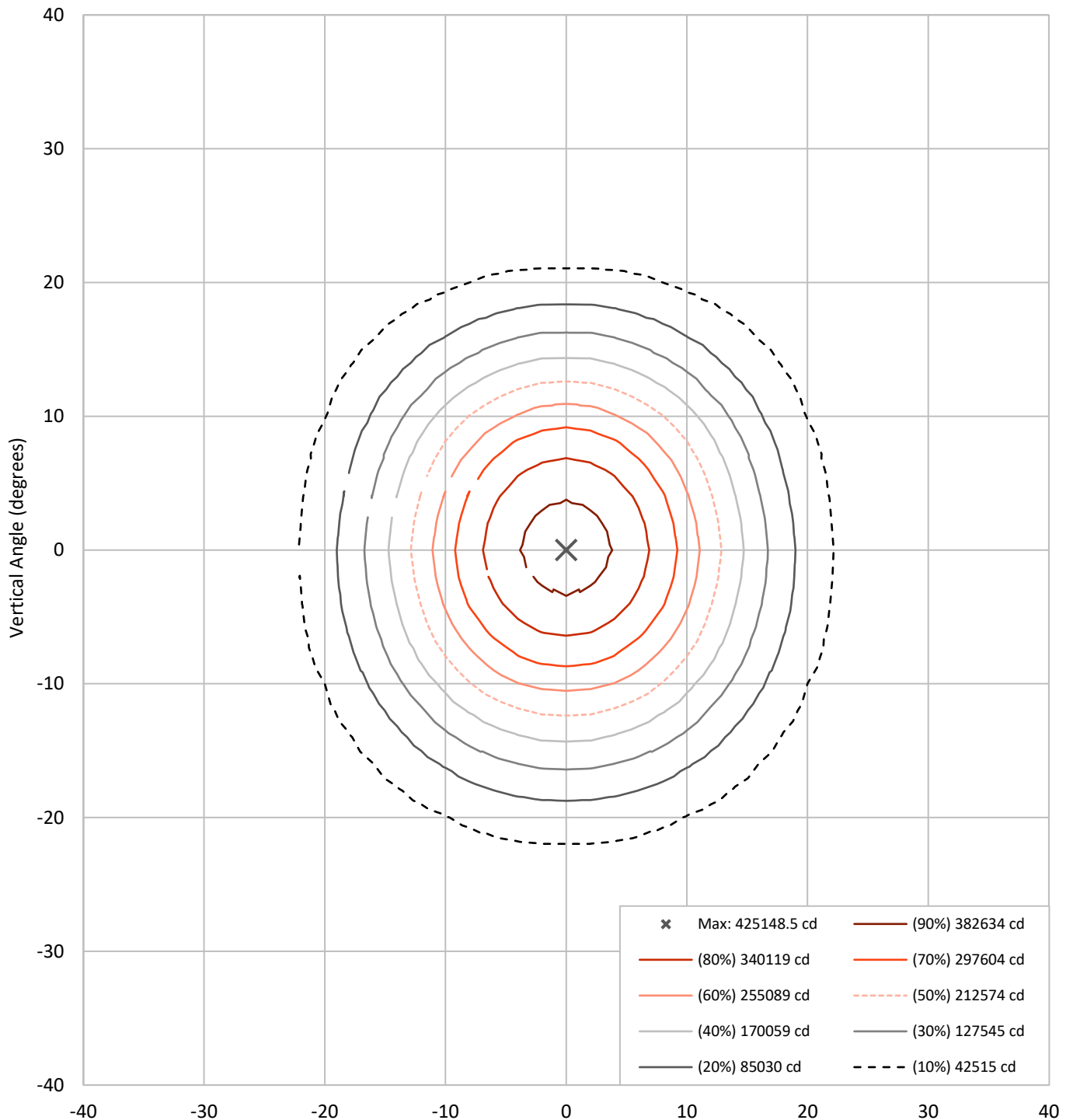
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	95518.3 lumens	Max Intensity:	425148.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	45701.4 lumens	Field Lumens:	80080.3 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%

Input Watts (W): 697.5
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: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

Iso-Candela Plot





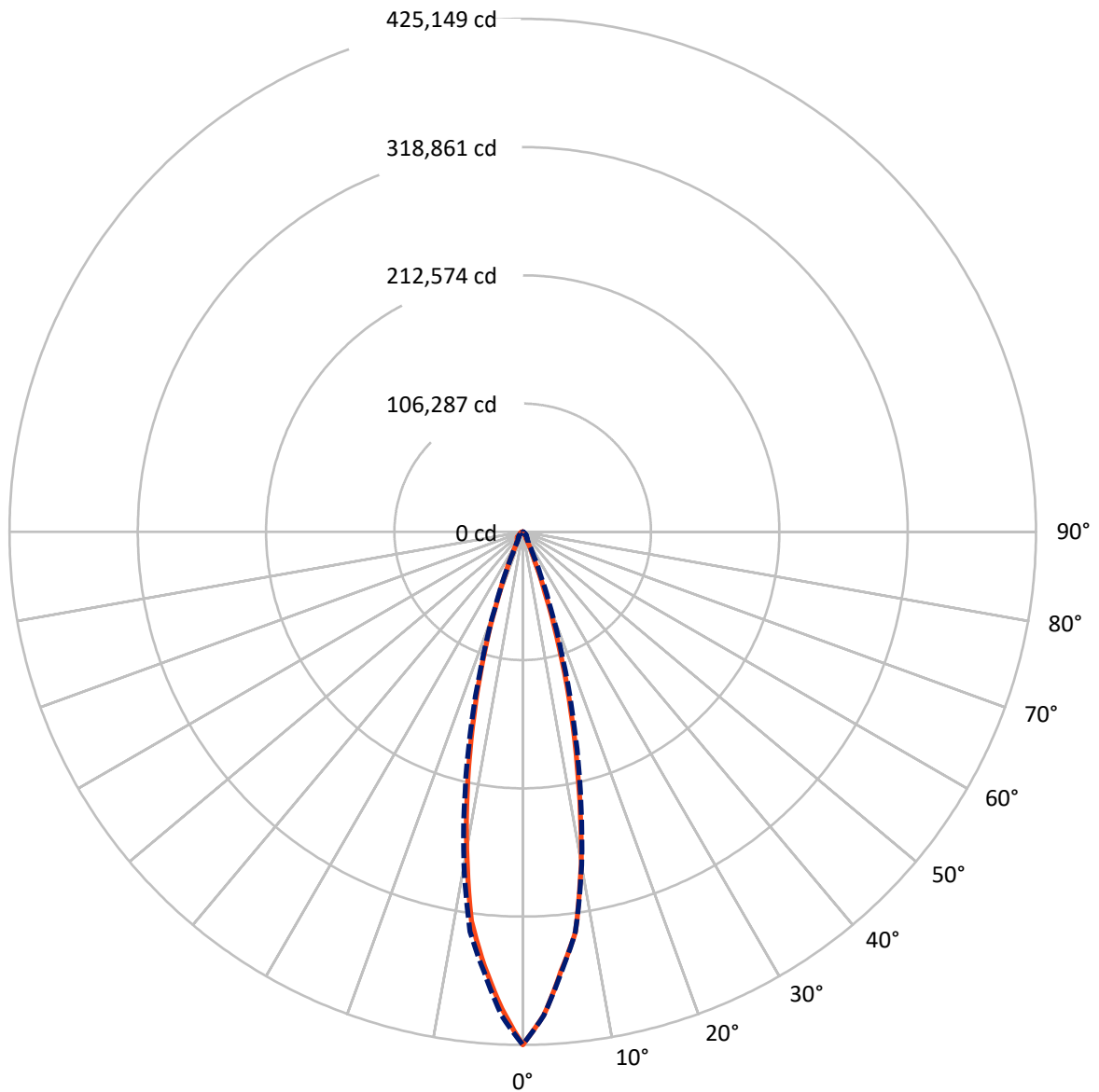
REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

Lumen Table

90	0.2	0.7	1.5	2.2	2.7	2.2	1.5	0.7	0.2										
80	0.2	0.7	1.5	2.2	2.7	2.2	1.5	0.7	0.2										
70	0.3	0.1	0.3	0.7	0.9	0.7	0.6	0.6	0.6	0.6	0.7	0.9	0.7	0.3	0.1	0.3			
60		0.4	0.9	1.2	1.1	1.1	1.4	1.6	1.6	1.4	1.1	1.1	1.2	0.9	0.4				
50	0.9	1.3	3.2	6.7	12.3	21.1	30.0	34.0	34.0	30.0	21.1	12.3	6.7	3.2	1.3	0.9			
40		3.3	10.1	20.9	39.4	65.3	78.9	92.6	92.6	78.9	65.3	39.4	20.9	10.1	3.3				
30	2.2	5.5	17.0	37.4	83.8	107.7	232.7	508.9	508.9	232.7	107.7	83.8	37.4	17.0	5.5	2.2			
20		7.3	22.4	60.8	120.2	290.7	1750.7	4232.5	4232.5	1750.7	290.7	120.2	60.8	22.4	7.3				
10	3.2	8.8	26.0	77.5	145.6	645.1	4252.1	9685.2	9685.2	4252.1	645.1	145.6	77.5	26.0	8.8	3.2			
0		9.7	28.6	82.0	161.3	664.9	4277.9	9584.6	9584.6	4277.9	664.9	161.3	82.0	28.6	9.7				
-10	3.5	9.8	29.5	79.1	160.7	356.5	1825.5	4272.0	4272.0	1825.5	356.5	160.7	79.1	29.5	9.8	3.5			
-20		9.1	28.1	62.6	144.7	218.4	378.4	719.6	719.6	378.4	218.4	144.7	62.6	28.1	9.1				
-30	3.0	7.7	24.1	50.1	99.9	174.7	215.6	239.3	239.3	215.6	174.7	99.9	50.1	24.1	7.7	3.0			
-40		6.0	18.4	38.8	63.3	93.3	136.9	170.5	170.5	136.9	93.3	63.3	38.8	18.4	6.0				
-50	2.4	4.0	11.9	25.4	42.6	58.0	70.4	78.1	78.1	70.4	58.0	42.6	25.4	11.9	4.0	2.4			
-60		2.9	6.3	13.1	22.2	30.6	38.6	43.4	43.4	38.6	30.6	22.2	13.1	6.3	2.9				
-70	1.7	10.5	24.2	39.4	48.4	39.4	24.2	10.5	1.7							1.7			
-80		10.5	24.2	39.4	48.4	39.4	24.2	10.5	1.7										
-90	1.7	10.5	24.2	39.4	48.4	39.4	24.2	10.5	1.7										

REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

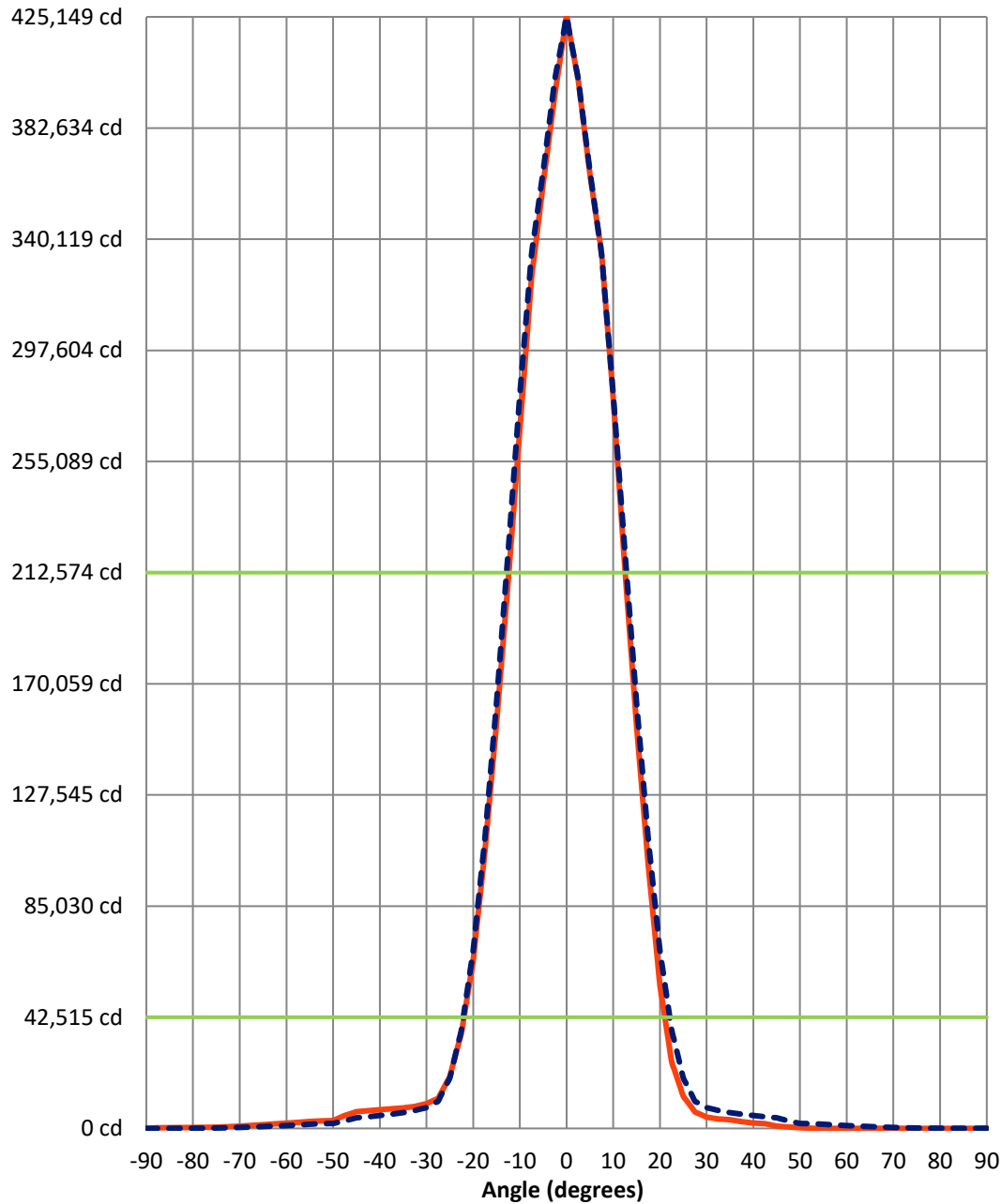
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

Luminous Intensity Plot



Beam:
 H Angle: 25.7°
 V Angle: 24.9°
 Lumens: 45701.4
 Efficiency: 47.8%

Field:
 H Angle: 44.2°
 V Angle: 43°
 Lumens: 80080.3
 Efficiency: 83.8%

Spill:
 Lumens: 15438
 Efficiency: 16.2%

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



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.4	14.2	25.0	40.4	55.8	68.8	81.9	91.6	101.3	109.3	117.2
87.5°	3.4	3.7	3.6	3.7	3.8	3.8	3.7	3.4	3.1	3.0	2.8
85°	3.4	4.0	3.8	4.0	4.2	4.2	4.0	3.9	3.9	3.6	3.2
82.5°	3.4	4.2	4.0	4.3	4.6	4.5	4.4	4.4	4.6	4.2	3.8
80°	3.4	4.5	4.2	4.6	5.0	4.9	4.7	4.9	5.0	4.7	4.3
77.5°	3.4	4.8	4.5	4.9	5.4	5.4	5.3	5.5	5.4	5.1	4.8
75°	3.4	5.1	4.7	5.2	5.8	6.1	6.0	6.0	5.9	5.8	5.4
72.5°	3.4	5.3	5.0	5.5	6.4	6.7	6.6	6.7	6.9	6.6	6.1
70°	3.4	5.6	5.3	5.8	7.1	7.4	7.4	7.9	7.9	7.5	7.6
67.5°	3.4	5.9	5.6	6.5	7.7	8.1	8.8	9.1	9.0	9.5	9.5
65°	3.4	6.2	6.0	7.2	8.5	9.2	10.2	10.4	11.4	11.7	11.6
62.5°	3.4	6.5	6.4	7.9	9.2	10.7	11.8	12.6	14.0	14.0	14.0
60°	3.4	6.8	6.8	8.6	10.0	12.3	13.5	15.3	16.7	17.0	16.7
57.5°	3.4	7.1	7.5	9.3	11.5	13.9	16.0	18.1	20.2	20.5	22.6
55°	3.4	7.4	8.3	10.0	13.1	15.6	18.7	21.1	24.3	25.6	30.6
52.5°	3.4	7.7	9.1	10.8	14.7	17.5	21.4	25.2	28.8	35.3	39.2
50°	3.4	8.0	10.0	11.5	16.3	20.0	24.1	29.7	35.1	45.9	55.2
47.5°	3.4	8.4	10.8	12.4	18.0	22.7	27.1	34.4	45.8	57.3	74.3
45°	3.4	8.7	11.7	13.7	19.8	25.4	31.4	39.3	57.0	76.8	95.5
42.5°	3.4	9.0	12.6	15.0	21.5	28.2	35.7	47.4	68.6	97.9	128.0
40°	3.4	9.3	13.4	16.7	23.6	31.2	40.4	57.9	83.4	120.4	164.6
37.5°	3.4	9.6	14.4	18.6	25.9	34.2	45.5	68.6	104.0	147.2	203.8
35°	3.4	10.0	15.3	20.5	28.2	38.0	50.8	79.5	125.4	181.7	247.7
32.5°	3.4	10.3	16.2	22.4	30.5	42.1	57.4	91.0	147.6	216.4	291.2
30°	3.4	10.6	17.1	24.3	32.8	46.3	66.8	104.3	170.5	251.2	331.9
27.5°	3.4	10.9	18.1	26.2	35.7	50.5	76.2	121.6	193.7	285.9	369.8
25°	3.4	11.2	19.0	28.0	38.7	54.6	85.3	138.0	217.2	318.4	405.0
22.5°	3.4	11.5	19.9	29.9	41.6	58.8	94.2	153.4	238.7	340.4	443.4
20°	3.4	11.8	20.9	31.7	44.5	63.2	102.9	167.8	258.2	360.9	474.4
17.5°	3.4	12.1	21.8	33.5	47.2	67.3	110.9	181.1	275.6	379.7	503.5
15°	3.4	12.3	22.7	35.3	49.9	71.2	118.3	193.1	291.0	396.8	531.0
12.5°	3.4	12.6	23.5	37.0	52.5	74.9	125.2	203.7	306.7	412.1	556.8
10°	3.4	12.9	24.3	38.6	55.0	78.4	131.4	213.3	322.8	434.9	584.8
7.5°	3.4	13.1	25.1	40.2	57.4	81.6	137.1	221.7	337.6	457.9	619.9
5°	3.4	13.3	25.9	41.7	59.6	84.6	142.1	229.1	350.9	479.5	652.4
2.5°	3.4	13.5	26.6	43.1	61.7	87.4	146.5	235.2	362.5	499.2	681.9
0°	3.4	13.7	27.3	44.4	63.7	89.9	150.2	240.1	372.2	516.7	707.9
-2.5°	3.4	14.3	28.5	46.4	66.5	93.7	155.0	248.3	383.1	528.6	720.0
-5°	3.4	14.8	29.7	48.2	69.2	97.2	159.1	255.0	391.9	537.9	728.3
-7.5°	3.4	15.3	30.8	50.0	71.7	100.4	162.5	260.3	398.3	544.6	732.7
-10°	3.4	15.8	31.8	51.6	74.0	103.4	165.0	264.0	402.3	548.6	733.3
-12.5°	3.4	16.3	32.8	53.1	76.2	106.0	166.8	266.0	403.8	549.9	731.7
-15°	3.4	16.7	33.7	54.5	78.1	108.3	167.7	266.1	401.4	546.4	726.0
-17.5°	3.4	17.1	34.6	55.8	79.9	110.3	167.9	263.8	394.8	540.0	715.3
-20°	3.4	17.5	35.3	56.9	81.4	111.9	167.2	259.3	386.0	530.4	699.3



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.4	17.8	36.0	57.9	82.7	113.2	165.9	253.3	374.8	517.8	678.3
-25°	3.4	18.2	36.6	58.7	83.8	114.3	163.8	245.6	361.3	502.0	656.3
-27.5°	3.4	18.4	37.2	59.4	84.6	115.2	160.7	236.3	345.5	487.7	640.5
-30°	3.4	18.7	37.6	60.0	85.3	115.8	156.8	225.5	332.7	471.9	621.5
-32.5°	3.4	18.9	38.0	60.3	86.2	116.1	152.1	218.5	321.7	453.5	598.8
-35°	3.4	19.1	38.2	60.6	86.8	116.0	150.3	212.4	307.9	432.5	572.4
-37.5°	3.4	19.2	38.4	60.6	87.2	115.9	149.8	205.7	291.2	409.1	544.5
-40°	3.4	19.3	38.5	60.6	87.4	116.1	149.0	197.4	271.6	386.2	513.0
-42.5°	3.4	19.4	38.6	60.4	87.4	116.1	147.6	187.8	257.0	358.7	476.6
-45°	3.4	19.4	38.5	60.3	87.3	115.8	145.8	180.5	244.3	328.2	436.5
-47.5°	3.4	19.4	38.3	60.1	87.0	115.2	143.4	177.6	229.7	295.5	399.2
-50°	3.4	19.4	38.1	59.9	86.4	114.3	141.8	174.1	212.6	275.9	358.9
-52.5°	3.4	19.3	37.8	59.7	85.5	113.1	140.0	169.9	203.2	254.9	317.3
-55°	3.4	19.2	37.4	59.3	84.5	111.4	137.8	165.3	197.0	232.4	290.9
-57.5°	3.4	19.1	36.9	58.7	83.2	109.5	135.3	162.1	190.2	221.1	263.1
-60°	3.4	18.9	36.3	58.0	81.7	107.2	132.3	158.2	183.3	212.7	240.1
-62.5°	3.4	18.7	35.8	57.2	80.4	104.7	129.2	153.8	177.9	203.5	228.7
-65°	3.4	18.4	35.1	56.2	78.9	101.9	125.8	149.0	171.9	195.1	216.5
-67.5°	3.4	18.1	34.4	55.0	77.3	99.2	122.1	144.1	165.5	186.9	206.3
-70°	3.4	17.8	33.6	53.7	75.4	96.3	118.1	138.9	159.2	178.4	196.9
-72.5°	3.4	17.4	32.8	52.5	73.4	93.3	113.9	133.4	152.6	170.1	187.1
-75°	3.4	17.1	31.8	51.1	71.1	90.0	109.5	127.5	145.6	161.3	176.8
-77.5°	3.4	16.6	30.8	49.6	68.9	86.4	104.7	121.2	138.0	152.2	166.0
-80°	3.4	16.2	29.8	47.9	66.6	83.1	99.7	114.7	130.0	142.8	155.2
-82.5°	3.4	15.7	28.7	46.2	64.1	79.7	95.4	108.5	121.7	133.1	144.3
-85°	3.4	15.3	27.5	44.4	61.5	76.2	91.1	103.0	115.0	124.7	134.2
-87.5°	3.4	14.7	26.3	42.4	58.7	72.6	86.6	97.4	108.2	117.0	125.8
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.3	2.3	2.3



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	123.5	129.7	135.4	141.1	146.3	151.4	158.2	165.0	170.2	175.3	180.4
87.5°	2.8	2.8	2.9	2.9	2.6	2.3	2.3	2.3	2.1	2.0	2.1
85°	3.3	3.4	3.4	3.4	3.0	2.6	2.7	2.8	2.8	2.9	2.6
82.5°	3.9	4.0	3.8	3.4	3.3	3.3	3.4	3.4	3.4	3.4	3.1
80°	4.4	4.6	4.2	3.8	3.9	4.1	3.9	3.5	3.4	3.5	3.6
77.5°	4.8	4.7	4.5	4.4	4.6	4.8	4.7	4.7	4.7	4.5	4.5
75°	5.1	4.8	4.9	4.8	4.8	5.3	5.7	5.7	5.5	5.3	5.4
72.5°	6.0	6.0	5.8	5.1	5.2	5.7	5.7	5.7	7.1	9.4	11.4
70°	7.5	7.3	6.9	6.5	6.3	6.7	8.6	11.8	15.3	18.5	21.6
67.5°	9.0	8.8	8.3	8.2	9.4	11.4	13.8	21.8	30.2	33.1	33.6
65°	10.7	10.4	10.5	11.8	13.5	19.2	26.5	36.1	44.2	43.7	40.3
62.5°	12.6	14.1	14.2	17.0	22.6	29.5	38.0	46.2	53.4	50.0	41.7
60°	18.0	19.0	21.6	26.8	32.6	39.5	48.3	51.0	52.8	51.5	40.5
57.5°	24.8	27.7	33.1	38.0	44.9	48.0	48.7	48.2	51.3	49.2	38.0
55°	34.7	39.8	47.0	52.0	56.1	50.1	49.5	52.6	52.2	47.8	36.9
52.5°	49.6	54.9	65.0	68.7	65.5	60.8	59.1	62.0	59.8	53.7	46.6
50°	65.8	78.6	85.3	88.2	82.4	81.8	75.9	79.6	82.9	79.9	89.9
47.5°	90.5	105.9	110.8	116.1	113.3	123.8	118.4	138.0	139.4	196.6	213.7
45°	120.2	140.9	146.6	160.3	175.5	193.6	225.1	233.4	327.6	384.9	452.7
42.5°	156.0	182.0	205.5	213.4	281.0	317.7	364.8	452.5	540.1	612.1	662.5
40°	202.1	228.6	278.2	337.5	409.5	471.8	561.9	663.3	746.8	802.1	828.1
37.5°	252.8	304.7	369.8	465.7	553.2	632.5	747.5	849.0	923.0	974.1	980.8
35°	307.3	381.0	487.6	584.8	675.1	782.4	896.7	1013.4	1074.0	1096.1	1190.2
32.5°	370.8	455.4	581.6	687.1	788.8	910.6	1032.1	1132.8	1186.4	1248.7	1567.0
30°	430.9	533.3	659.0	771.2	897.1	1035.8	1152.0	1247.0	1284.0	1611.1	2126.0
27.5°	478.9	601.1	727.2	862.5	1007.1	1165.7	1282.8	1344.5	1556.6	2040.6	2785.0
25°	523.6	655.1	796.0	965.0	1129.5	1286.7	1405.9	1445.3	1886.4	2707.1	3262.0
22.5°	567.3	707.8	871.9	1073.5	1241.9	1388.7	1488.3	1727.2	2359.3	3398.7	3686.8
20°	611.1	770.1	954.5	1155.5	1341.2	1478.2	1554.8	2024.4	2933.6	3664.4	3988.6
17.5°	653.3	832.9	1030.2	1224.5	1411.8	1550.6	1649.6	2275.2	3388.4	3902.8	4221.9
15°	694.3	886.4	1088.7	1289.2	1480.3	1614.0	1882.7	2643.0	3671.0	4191.3	4528.3
12.5°	733.7	932.3	1131.8	1345.4	1546.6	1675.6	2124.4	3088.9	3965.8	4475.5	4839.7
10°	770.9	970.8	1169.3	1396.7	1608.3	1729.2	2351.3	3505.4	4235.5	4677.8	5007.9
7.5°	808.3	1005.5	1203.1	1443.0	1666.4	1778.1	2543.2	3733.3	4341.4	4811.3	5126.5
5°	841.4	1037.6	1243.2	1500.1	1722.8	1823.0	2705.2	3886.6	4374.9	4878.1	5211.9
2.5°	869.6	1064.3	1278.3	1553.4	1773.5	1863.7	2815.5	4003.5	4415.5	4925.6	5318.0
0°	893.4	1085.8	1307.7	1599.1	1816.5	1900.7	2888.6	4066.6	4441.1	4946.4	5435.8
-2.5°	910.8	1114.4	1354.8	1637.8	1851.8	1939.3	2911.6	4093.7	4478.4	5061.2	5700.1
-5°	923.7	1137.4	1394.2	1668.7	1880.6	1974.9	2895.2	4068.5	4522.9	5167.3	5868.0
-7.5°	931.8	1154.0	1424.5	1691.7	1904.6	2014.9	2845.9	4039.5	4662.3	5300.3	5952.5
-10°	935.5	1162.6	1429.2	1700.3	1923.8	2055.1	2761.4	3941.4	4763.1	5351.1	5959.5
-12.5°	938.8	1164.4	1423.5	1698.8	1935.7	2091.8	2655.3	3823.7	4855.9	5370.2	5916.3
-15°	935.9	1160.8	1411.0	1688.2	1951.0	2138.2	2519.6	3605.2	4897.4	5350.1	5835.3
-17.5°	926.5	1151.9	1393.6	1674.6	1960.7	2181.4	2341.7	3268.6	4674.7	5288.4	5773.6
-20°	910.3	1135.8	1368.8	1648.5	1955.5	2200.1	2337.2	3022.3	4208.2	5167.0	5681.9



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	889.0	1112.9	1339.2	1613.9	1924.6	2192.4	2369.7	2750.8	3679.6	4989.3	5543.6
-25°	864.1	1084.0	1308.8	1576.6	1881.7	2177.7	2387.7	2500.7	3242.8	4386.8	5324.0
-27.5°	835.3	1049.4	1274.2	1526.8	1825.6	2133.9	2358.5	2507.7	2887.5	3698.0	4990.4
-30°	801.3	1009.6	1229.3	1469.0	1756.9	2051.2	2308.6	2498.6	2609.6	3227.8	4266.9
-32.5°	762.8	963.6	1178.3	1413.6	1679.4	1962.2	2234.4	2439.8	2592.0	2794.4	3585.8
-35°	726.0	916.7	1121.6	1351.2	1596.2	1861.9	2117.3	2359.7	2550.5	2680.9	3002.6
-37.5°	693.6	865.6	1062.4	1283.5	1519.4	1746.7	1990.8	2240.6	2459.4	2639.6	2753.5
-40°	656.4	810.5	1001.4	1210.3	1420.5	1630.4	1858.4	2097.0	2337.9	2535.9	2709.5
-42.5°	614.8	764.1	935.0	1125.1	1318.3	1516.6	1719.5	1945.5	2172.6	2398.3	2581.4
-45°	568.7	712.3	864.1	1035.1	1210.2	1397.3	1589.7	1784.9	1999.7	2212.7	2413.1
-47.5°	516.8	654.7	799.5	939.1	1101.7	1273.4	1453.0	1637.2	1821.0	2016.6	2210.1
-50°	462.6	590.6	724.3	852.1	991.2	1147.4	1312.3	1483.7	1657.1	1821.2	1991.5
-52.5°	412.4	520.8	643.1	765.7	887.7	1020.6	1169.6	1324.4	1484.9	1644.7	1788.7
-55°	358.2	455.7	557.3	673.0	789.7	904.6	1025.5	1165.7	1302.0	1448.9	1590.4
-57.5°	317.7	389.3	478.5	574.6	683.9	795.0	902.1	1007.6	1126.5	1249.4	1374.1
-60°	285.4	335.7	403.8	485.7	571.8	674.4	779.6	877.0	966.8	1058.3	1171.3
-62.5°	255.5	296.8	344.1	401.2	476.0	552.2	642.8	735.7	822.9	906.6	990.7
-65°	241.0	262.7	298.5	341.0	383.8	448.8	518.1	589.2	669.2	746.0	824.2
-67.5°	225.7	246.3	266.0	289.3	327.8	365.7	403.2	465.8	528.4	584.8	641.7
-70°	214.0	230.0	247.9	265.3	282.7	304.9	339.1	374.1	408.0	445.4	493.2
-72.5°	202.4	216.8	231.2	245.3	261.0	277.0	293.3	310.5	335.3	364.3	390.3
-75°	190.6	203.2	215.8	228.4	241.4	254.7	268.5	283.6	299.1	314.6	328.5
-77.5°	178.6	190.4	201.2	211.8	222.9	234.7	247.0	259.4	272.0	284.9	295.7
-80°	166.3	177.4	186.9	196.2	205.7	215.5	226.0	236.7	247.3	258.1	267.6
-82.5°	153.8	163.3	171.8	180.1	188.3	196.5	205.6	214.9	224.1	233.3	241.3
-85°	141.7	148.9	156.2	163.4	170.6	177.8	185.9	194.1	201.8	209.6	216.4
-87.5°	132.6	139.3	145.4	151.5	157.3	163.0	170.1	177.0	183.1	189.2	194.8
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.7	1.1	1.1



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	185.5	188.9	192.3	195.2	198.0	202.0	206.0	211.7	217.4	224.2	231.0
87.5°	2.1	2.1	2.1	1.6	1.1	1.1	1.1	1.1	1.1	1.7	2.3
85°	2.3	2.3	2.3	2.6	3.0	3.0	3.1	3.2	3.2	3.3	3.4
82.5°	2.8	2.9	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.9	4.5
80°	3.7	3.8	4.0	4.1	4.1	3.9	3.5	3.4	3.4	4.0	4.6
77.5°	4.7	4.7	4.6	4.4	4.0	3.7	3.4	3.4	3.4	3.5	3.5
75°	5.6	5.7	6.1	6.4	6.9	7.0	6.6	6.7	7.0	6.9	6.6
72.5°	12.5	12.9	12.9	14.4	15.8	16.3	16.7	17.9	19.2	20.9	22.8
70°	24.4	26.9	28.0	28.1	27.0	26.3	25.7	25.6	26.0	27.2	28.7
67.5°	35.3	36.3	35.8	35.4	33.3	30.7	27.8	26.3	26.9	28.2	30.0
65°	39.8	36.7	34.4	33.6	31.6	28.5	24.1	21.2	20.6	20.1	19.9
62.5°	35.8	30.2	27.5	26.0	23.3	20.6	16.6	13.5	12.3	11.6	11.4
60°	31.2	24.2	20.0	18.0	15.0	11.6	9.6	7.3	6.6	6.1	6.3
57.5°	27.1	20.1	15.1	14.2	11.5	9.1	7.3	5.4	4.9	4.6	4.8
55°	27.9	24.4	20.4	18.3	15.2	13.8	12.2	11.0	10.1	10.3	11.0
52.5°	39.5	42.4	37.3	36.0	44.8	44.9	37.1	49.2	56.6	62.2	63.7
50°	101.9	101.2	134.5	128.9	159.6	184.7	185.8	201.1	230.2	250.1	260.8
47.5°	270.6	301.1	339.9	380.5	412.4	452.2	492.4	522.5	529.9	530.6	535.9
45°	509.5	552.9	611.2	654.0	714.3	751.5	782.3	810.3	874.8	934.1	1003.3
42.5°	711.4	758.9	819.4	906.4	969.8	1139.3	1398.5	1462.2	1471.3	1524.1	1600.8
40°	870.9	933.1	1067.5	1258.0	1664.1	2028.3	2093.9	2148.6	2172.7	2143.5	2195.6
37.5°	1064.0	1209.6	1512.2	2033.3	2225.8	2325.0	2394.7	2436.6	2487.5	2534.6	2560.1
35°	1384.5	1790.4	2055.5	2333.9	2459.8	2510.0	2561.2	2612.8	2652.8	2704.9	2746.5
32.5°	2042.3	2494.3	2520.9	2589.6	2655.3	2720.6	2768.4	2817.5	2860.2	2927.7	3069.2
30°	2705.1	2803.6	2827.7	2834.0	2893.8	2972.1	3013.6	3112.9	3246.8	3400.5	3727.5
27.5°	3057.9	3125.6	3139.8	3146.5	3174.4	3267.0	3438.7	3574.2	3895.8	4286.1	5126.5
25°	3487.4	3535.7	3586.8	3584.6	3627.0	3791.0	4126.9	4412.9	5499.2	6515.9	8706.1
22.5°	3897.3	4043.1	4115.7	4213.1	4357.0	4655.6	5244.7	6899.5	9666.4	13197.4	17593.1
20°	4182.1	4378.3	4573.8	4845.4	5193.0	5812.8	7653.2	12605.2	18519.0	27100.2	34297.5
17.5°	4469.4	4691.1	5036.8	5455.9	6039.6	8120.5	13516.3	21924.6	34069.1	49303.5	62670.1
15°	4844.1	5107.1	5570.0	6168.2	7799.6	12241.4	21242.4	36542.2	55004.2	76419.3	98883.7
12.5°	5099.2	5461.6	6011.9	6784.6	9462.3	17781.4	32273.9	53248.1	78658.0	105641.7	141450.4
10°	5287.8	5721.1	6468.6	8070.5	12926.0	23896.4	41311.7	67487.2	102323.5	143448.7	184388.5
7.5°	5446.1	6029.7	6968.1	8986.6	15914.3	29745.3	51944.6	83759.7	124976.8	174530.7	222140.3
5°	5588.4	6362.0	7448.7	9974.2	18592.0	33980.2	59015.7	95912.3	143642.1	197763.1	250327.4
2.5°	5776.5	6673.2	7760.6	10246.0	19663.8	36326.7	64618.5	105725.1	156968.9	213900.5	271090.6
0°	6037.9	6875.6	7951.1	10419.8	19330.4	37796.9	68052.4	110650.0	162809.2	220678.5	280661.3
-2.5°	6243.4	6992.1	8062.2	10279.7	19167.3	37105.4	66502.6	107779.2	157091.4	213009.9	272843.7
-5°	6376.2	7075.8	8110.9	10332.0	18756.1	34462.7	61925.4	100257.6	145447.9	195925.1	251253.3
-7.5°	6453.9	7106.4	8060.3	10002.6	16888.0	30862.4	53778.1	86393.6	126932.9	173641.7	219366.7
-10°	6500.4	7086.6	7954.8	9536.5	14205.2	25081.2	42456.5	70099.0	105224.1	142861.5	180262.8
-12.5°	6517.9	7044.7	7806.0	8869.1	11389.2	19635.5	33796.9	53414.9	79488.5	110362.6	143319.5
-15°	6483.7	6983.9	7662.2	8582.6	10259.2	14719.8	23582.9	36925.5	56359.8	79932.2	103814.3
-17.5°	6356.4	6921.1	7449.1	8155.8	9142.7	11246.2	16640.6	25204.7	37056.2	52637.3	66415.9
-20°	6187.6	6802.6	7254.7	7879.2	8654.2	9616.9	11346.9	16573.5	23219.0	32239.5	41232.4



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6037.4	6600.0	7168.5	7597.2	8204.1	8836.9	9618.2	11113.3	14452.6	18956.1	24657.0
-25°	5898.8	6413.8	6997.2	7460.8	7803.2	8250.5	8739.9	9263.7	10398.0	11461.5	14211.8
-27.5°	5703.7	6237.2	6743.1	7238.0	7567.9	7770.9	8104.5	8430.0	8905.0	9327.4	10135.1
-30°	5476.7	5998.7	6480.1	6929.6	7267.6	7481.2	7646.6	7870.4	8121.8	8377.5	8724.6
-32.5°	4667.8	5718.5	6166.6	6572.5	6921.1	7172.2	7347.3	7494.3	7639.4	7803.1	7986.0
-35°	3781.6	4819.4	5830.5	6147.0	6476.5	6808.9	7068.5	7207.2	7333.5	7448.2	7560.1
-37.5°	3074.6	3806.8	4714.3	5576.8	5977.1	6312.8	6624.9	6867.3	7044.3	7151.8	7252.5
-40°	2797.9	2983.4	3681.4	4391.7	5074.6	5694.8	6012.1	6370.4	6661.6	6819.5	6929.0
-42.5°	2731.7	2816.9	2882.1	3332.1	3875.4	4398.3	4976.9	5551.3	6002.1	6302.6	6526.0
-45°	2586.9	2709.4	2806.6	2846.8	2871.3	3252.6	3700.7	4139.3	4645.4	5168.3	5643.0
-47.5°	2381.6	2541.0	2650.7	2736.7	2788.0	2804.2	2835.7	2934.0	3301.5	3688.0	4055.9
-50°	2152.5	2298.6	2430.2	2549.7	2620.9	2678.6	2733.7	2786.6	2831.4	2888.0	2939.0
-52.5°	1921.9	2055.8	2174.1	2279.1	2373.3	2464.3	2551.8	2617.1	2681.0	2749.5	2805.3
-55°	1716.6	1825.1	1924.2	2016.3	2101.3	2178.2	2257.3	2341.8	2429.2	2514.7	2581.1
-57.5°	1496.9	1600.8	1694.7	1772.7	1841.1	1898.5	1971.1	2050.3	2132.5	2208.7	2266.6
-60°	1275.5	1367.3	1453.2	1528.8	1593.8	1647.2	1714.2	1781.2	1854.6	1919.8	1971.2
-62.5°	1065.2	1142.6	1215.6	1281.6	1340.6	1394.8	1454.4	1514.2	1583.1	1643.8	1693.0
-65°	890.4	950.4	1000.3	1047.1	1083.7	1130.5	1188.2	1243.4	1303.4	1356.0	1399.8
-67.5°	701.0	756.4	802.1	843.0	875.1	908.7	951.3	995.3	1041.9	1083.6	1120.4
-70°	535.7	572.9	602.6	633.1	666.0	698.0	732.1	769.7	808.8	843.3	873.6
-72.5°	413.2	431.6	449.0	473.9	495.9	518.2	539.8	566.7	595.7	621.8	645.5
-75°	341.4	352.7	366.0	377.8	388.1	400.0	411.9	429.4	448.3	466.4	483.3
-77.5°	306.3	314.5	321.2	326.6	331.5	338.7	346.4	359.4	373.4	388.6	403.8
-80°	276.5	282.8	288.4	293.2	297.6	303.6	309.7	321.1	333.1	346.0	358.7
-82.5°	249.0	254.0	258.5	262.9	267.1	272.2	277.2	287.2	297.5	308.3	319.0
-85°	223.1	227.4	231.3	234.9	238.4	242.7	247.0	255.6	264.2	273.3	282.3
-87.5°	200.4	204.3	208.1	211.3	214.5	218.3	222.0	229.6	237.2	244.8	252.3
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	231.6	232.2	232.8	233.3	232.8	232.2	231.6	231.0	224.2	217.4	211.7
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.7	1.1	1.1
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.2
82.5°	4.0	3.4	4.0	4.6	4.0	3.4	4.0	4.5	3.9	3.4	3.4
80°	4.0	3.4	4.0	4.6	4.0	3.4	4.0	4.6	4.0	3.4	3.4
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.4
75°	5.7	4.6	4.0	3.4	4.0	4.6	5.7	6.6	6.9	7.0	6.7
72.5°	23.4	23.4	23.8	23.9	23.8	23.4	23.4	22.8	20.9	19.2	17.9
70°	29.7	30.4	30.6	30.7	30.6	30.4	29.7	28.7	27.2	26.0	25.6
67.5°	30.3	29.7	29.1	28.5	29.1	29.7	30.3	30.0	28.2	26.9	26.3
65°	19.0	17.7	15.7	13.7	15.7	17.7	19.0	19.9	20.1	20.6	21.2
62.5°	11.0	10.5	10.3	10.2	10.3	10.5	11.0	11.4	11.6	12.3	13.5
60°	6.5	6.8	6.8	6.8	6.8	6.8	6.5	6.3	6.1	6.6	7.3
57.5°	5.0	5.6	6.2	6.8	6.2	5.6	5.0	4.8	4.6	4.9	5.4
55°	11.6	13.0	13.6	13.7	13.6	13.0	11.6	11.0	10.3	10.1	11.0
52.5°	61.5	58.3	55.6	53.5	55.6	58.3	61.5	63.7	62.2	56.6	49.2
50°	265.7	272.6	275.8	275.4	275.8	272.6	265.7	260.8	250.1	230.2	201.1
47.5°	547.2	551.1	547.9	539.5	547.9	551.1	547.2	535.9	530.6	529.9	522.5
45°	1087.9	1040.7	957.0	883.2	957.0	1040.7	1087.9	1003.3	934.1	874.8	810.3
42.5°	1702.9	1759.3	1801.6	1821.0	1801.6	1759.3	1702.9	1600.8	1524.1	1471.3	1462.2
40°	2137.0	2076.8	2064.6	2073.7	2064.6	2076.8	2137.0	2195.6	2143.5	2172.7	2148.6
37.5°	2566.6	2621.3	2661.9	2596.1	2661.9	2621.3	2566.6	2560.1	2534.6	2487.5	2436.6
35°	2843.3	3038.1	3266.7	3335.9	3266.7	3038.1	2843.3	2746.5	2704.9	2652.8	2612.8
32.5°	3306.1	3511.7	3600.9	3622.7	3600.9	3511.7	3306.1	3069.2	2927.7	2860.2	2817.5
30°	4042.5	4248.0	4284.9	4314.7	4284.9	4248.0	4042.5	3727.5	3400.5	3246.8	3112.9
27.5°	5684.1	6143.6	6252.6	6329.3	6252.6	6143.6	5684.1	5126.5	4286.1	3895.8	3574.2
25°	10435.2	11630.4	12411.0	12335.3	12411.0	11630.4	10435.2	8706.1	6515.9	5499.2	4412.9
22.5°	21997.5	24343.5	25595.3	25573.1	25595.3	24343.5	21997.5	17593.1	13197.4	9666.4	6899.5
20°	44551.5	51493.2	55250.5	54822.5	55250.5	51493.2	44551.5	34297.5	27100.2	18519.0	12605.2
17.5°	77683.6	91090.9	100457.7	100841.4	100457.7	91090.9	77683.6	62670.1	49303.5	34069.1	21924.6
15°	120121.9	140015.2	154058.6	154056.8	154058.6	140015.2	120121.9	98883.7	76419.3	55004.2	36542.2
12.5°	171771.8	195550.8	211618.7	214028.3	211618.7	195550.8	171771.8	141450.4	105641.7	78658.0	53248.1
10°	221342.1	248276.5	272567.6	279255.7	272567.6	248276.5	221342.1	184388.5	143448.7	102323.5	67487.2
7.5°	263299.4	305669.3	327796.2	334765.1	327796.2	305669.3	263299.4	222140.3	174530.7	124976.8	83759.7
5°	304483.0	341157.8	359735.1	365113.3	359735.1	341157.8	304483.0	250327.4	197763.1	143642.1	95912.3
2.5°	326147.0	359810.7	385921.5	401064.2	385921.5	359810.7	326147.0	271090.6	213900.5	156968.9	105725.1
0°	334297.9	366281.1	401298.1	425148.5	401298.1	366281.1	334297.9	280661.3	220678.5	162809.2	110650.0
-2.5°	326145.2	357092.8	382898.0	395461.6	382898.0	357092.8	326145.2	272843.7	213009.9	157091.4	107779.2
-5°	301431.8	337833.1	356621.4	361377.9	356621.4	337833.1	301431.8	251253.3	195925.1	145447.9	100257.6
-7.5°	261960.9	296969.8	320005.4	325193.8	320005.4	296969.8	261960.9	219366.7	173641.7	126932.9	86393.6
-10°	218018.3	247921.8	263462.2	267305.1	263462.2	247921.8	218018.3	180262.8	142861.5	105224.1	70099.0
-12.5°	169405.0	191334.9	207198.5	209351.6	207198.5	191334.9	169405.0	143319.5	110362.6	79488.5	53414.9
-15°	126095.9	140599.2	153388.4	154858.0	153388.4	140599.2	126095.9	103814.3	79932.2	56359.8	36925.5
-17.5°	84477.7	96485.2	103641.1	105705.8	103641.1	96485.2	84477.7	66415.9	52637.3	37056.2	25204.7
-20°	50616.1	59208.3	63977.2	64156.5	63977.2	59208.3	50616.1	41232.4	32239.5	23219.0	16573.5



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	29365.0	34145.8	36669.0	36620.0	36669.0	34145.8	29365.0	24657.0	18956.1	14452.6	11113.3
-25°	16935.4	19028.7	19864.1	19893.8	19864.1	19028.7	16935.4	14211.8	11461.5	10398.0	9263.7
-27.5°	10783.5	11264.0	11456.5	11487.4	11456.5	11264.0	10783.5	10135.1	9327.4	8905.0	8430.0
-30°	9041.1	9322.1	9451.4	9487.6	9451.4	9322.1	9041.1	8724.6	8377.5	8121.8	7870.4
-32.5°	8157.8	8312.7	8417.1	8401.8	8417.1	8312.7	8157.8	7986.0	7803.1	7639.4	7494.3
-35°	7669.5	7765.3	7824.0	7852.1	7824.0	7765.3	7669.5	7560.1	7448.2	7333.5	7207.2
-37.5°	7352.8	7438.5	7494.1	7510.7	7494.1	7438.5	7352.8	7252.5	7151.8	7044.3	6867.3
-40°	7023.3	7094.6	7140.3	7156.7	7140.3	7094.6	7023.3	6929.0	6819.5	6661.6	6370.4
-42.5°	6667.7	6744.3	6780.8	6781.1	6780.8	6744.3	6667.7	6526.0	6302.6	6002.1	5551.3
-45°	6032.4	6268.3	6386.4	6391.9	6386.4	6268.3	6032.4	5643.0	5168.3	4645.4	4139.3
-47.5°	4390.6	4623.7	4811.1	4949.8	4811.1	4623.7	4390.6	4055.9	3688.0	3301.5	2934.0
-50°	2983.5	2998.9	2999.9	2986.5	2999.9	2998.9	2983.5	2939.0	2888.0	2831.4	2786.6
-52.5°	2848.9	2864.8	2876.4	2882.9	2876.4	2864.8	2848.9	2805.3	2749.5	2681.0	2617.1
-55°	2630.2	2650.3	2658.6	2655.3	2658.6	2650.3	2630.2	2581.1	2514.7	2429.2	2341.8
-57.5°	2305.3	2318.6	2324.8	2323.0	2324.8	2318.6	2305.3	2266.6	2208.7	2132.5	2050.3
-60°	2002.8	2012.6	2018.3	2017.9	2018.3	2012.6	2002.8	1971.2	1919.8	1854.6	1781.2
-62.5°	1720.7	1729.5	1735.9	1736.8	1735.9	1729.5	1720.7	1693.0	1643.8	1583.1	1514.2
-65°	1421.7	1428.4	1432.6	1431.8	1432.6	1428.4	1421.7	1399.8	1356.0	1303.4	1243.4
-67.5°	1136.5	1141.2	1145.1	1145.0	1145.1	1141.2	1136.5	1120.4	1083.6	1041.9	995.3
-70°	883.2	883.6	885.5	884.3	885.5	883.6	883.2	873.6	843.3	808.8	769.7
-72.5°	651.0	650.3	650.0	647.6	650.0	650.3	651.0	645.5	621.8	595.7	566.7
-75°	485.0	483.3	481.7	479.2	481.7	483.3	485.0	483.3	466.4	448.3	429.4
-77.5°	405.5	405.5	402.8	399.5	402.8	405.5	405.5	403.8	388.6	373.4	359.4
-80°	359.5	359.1	357.8	356.2	357.8	359.1	359.5	358.7	346.0	333.1	321.1
-82.5°	320.0	320.6	320.3	319.8	320.3	320.6	320.0	319.0	308.3	297.5	287.2
-85°	283.4	284.3	283.9	283.4	283.9	284.3	283.4	282.3	273.3	264.2	255.6
-87.5°	253.1	253.7	253.8	253.8	253.8	253.7	253.1	252.3	244.8	237.2	229.6
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	206.0	202.0	198.0	195.2	192.3	188.9	185.5	180.4	175.3	170.2	165.0
87.5°	1.1	1.1	1.1	1.6	2.1	2.1	2.1	2.1	2.0	2.1	2.3
85°	3.1	3.0	3.0	2.6	2.3	2.3	2.3	2.6	2.9	2.8	2.8
82.5°	3.4	3.4	3.4	3.2	3.0	2.9	2.8	3.1	3.4	3.4	3.4
80°	3.5	3.9	4.1	4.1	4.0	3.8	3.7	3.6	3.5	3.4	3.5
77.5°	3.4	3.7	4.0	4.4	4.6	4.7	4.7	4.5	4.5	4.7	4.7
75°	6.6	7.0	6.9	6.4	6.1	5.7	5.6	5.4	5.3	5.5	5.7
72.5°	16.7	16.3	15.8	14.4	12.9	12.9	12.5	11.4	9.4	7.1	5.7
70°	25.7	26.3	27.0	28.1	28.0	26.9	24.4	21.6	18.5	15.3	11.8
67.5°	27.8	30.7	33.3	35.4	35.8	36.3	35.3	33.6	33.1	30.2	21.8
65°	24.1	28.5	31.6	33.6	34.4	36.7	39.8	40.3	43.7	44.2	36.1
62.5°	16.6	20.6	23.3	26.0	27.5	30.2	35.8	41.7	50.0	53.4	46.2
60°	9.6	11.6	15.0	18.0	20.0	24.2	31.2	40.5	51.5	52.8	51.0
57.5°	7.3	9.1	11.5	14.2	15.1	20.1	27.1	38.0	49.2	51.3	48.2
55°	12.2	13.8	15.2	18.3	20.4	24.4	27.9	36.9	47.8	52.2	52.6
52.5°	37.1	44.9	44.8	36.0	37.3	42.4	39.5	46.6	53.7	59.8	62.0
50°	185.8	184.7	159.6	128.9	134.5	101.2	101.9	89.9	79.9	82.9	79.6
47.5°	492.4	452.2	412.4	380.5	339.9	301.1	270.6	213.7	196.6	139.4	138.0
45°	782.3	751.5	714.3	654.0	611.2	552.9	509.5	452.7	384.9	327.6	233.4
42.5°	1398.5	1139.3	969.8	906.4	819.4	758.9	711.4	662.5	612.1	540.1	452.5
40°	2093.9	2028.3	1664.1	1258.0	1067.5	933.1	870.9	828.1	802.1	746.8	663.3
37.5°	2394.7	2325.0	2225.8	2033.3	1512.2	1209.6	1064.0	980.8	974.1	923.0	849.0
35°	2561.2	2510.0	2459.8	2333.9	2055.5	1790.4	1384.5	1190.2	1096.1	1074.0	1013.4
32.5°	2768.4	2720.6	2655.3	2589.6	2520.9	2494.3	2042.3	1567.0	1248.7	1186.4	1132.8
30°	3013.6	2972.1	2893.8	2834.0	2827.7	2803.6	2705.1	2126.0	1611.1	1284.0	1247.0
27.5°	3438.7	3267.0	3174.4	3146.5	3139.8	3125.6	3057.9	2785.0	2040.6	1556.6	1344.5
25°	4126.9	3791.0	3627.0	3584.6	3586.8	3535.7	3487.4	3262.0	2707.1	1886.4	1445.3
22.5°	5244.7	4655.6	4357.0	4213.1	4115.7	4043.1	3897.3	3686.8	3398.7	2359.3	1727.2
20°	7653.2	5812.8	5193.0	4845.4	4573.8	4378.3	4182.1	3988.6	3664.4	2933.6	2024.4
17.5°	13516.3	8120.5	6039.6	5455.9	5036.8	4691.1	4469.4	4221.9	3902.8	3388.4	2275.2
15°	21242.4	12241.4	7799.6	6168.2	5570.0	5107.1	4844.1	4528.3	4191.3	3671.0	2643.0
12.5°	32273.9	17781.4	9462.3	6784.6	6011.9	5461.6	5099.2	4839.7	4475.5	3965.8	3088.9
10°	41311.7	23896.4	12926.0	8070.5	6468.6	5721.1	5287.8	5007.9	4677.8	4235.5	3505.4
7.5°	51944.6	29745.3	15914.3	8986.6	6968.1	6029.7	5446.1	5126.5	4811.3	4341.4	3733.3
5°	59015.7	33980.2	18592.0	9974.2	7448.7	6362.0	5588.4	5211.9	4878.1	4374.9	3886.6
2.5°	64618.5	36326.7	19663.8	10246.0	7760.6	6673.2	5776.5	5318.0	4925.6	4415.5	4003.5
0°	68052.4	37796.9	19330.4	10419.8	7951.1	6875.6	6037.9	5435.8	4946.4	4441.1	4066.6
-2.5°	66502.6	37105.4	19167.3	10279.7	8062.2	6992.1	6243.4	5700.1	5061.2	4478.4	4093.7
-5°	61925.4	34462.7	18756.1	10332.0	8110.9	7075.8	6376.2	5868.0	5167.3	4522.9	4068.5
-7.5°	53778.1	30862.4	16888.0	10002.6	8060.3	7106.4	6453.9	5952.5	5300.3	4662.3	4039.5
-10°	42456.5	25081.2	14205.2	9536.5	7954.8	7086.6	6500.4	5959.5	5351.1	4763.1	3941.4
-12.5°	33796.9	19635.5	11389.2	8869.1	7806.0	7044.7	6517.9	5916.3	5370.2	4855.9	3823.7
-15°	23582.9	14719.8	10259.2	8582.6	7662.2	6983.9	6483.7	5835.3	5350.1	4897.4	3605.2
-17.5°	16640.6	11246.2	9142.7	8155.8	7449.1	6921.1	6356.4	5773.6	5288.4	4674.7	3268.6
-20°	11346.9	9616.9	8654.2	7879.2	7254.7	6802.6	6187.6	5681.9	5167.0	4208.2	3022.3



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9618.2	8836.9	8204.1	7597.2	7168.5	6600.0	6037.4	5543.6	4989.3	3679.6	2750.8
-25°	8739.9	8250.5	7803.2	7460.8	6997.2	6413.8	5898.8	5324.0	4386.8	3242.8	2500.7
-27.5°	8104.5	7770.9	7567.9	7238.0	6743.1	6237.2	5703.7	4990.4	3698.0	2887.5	2507.7
-30°	7646.6	7481.2	7267.6	6929.6	6480.1	5998.7	5476.7	4266.9	3227.8	2609.6	2498.6
-32.5°	7347.3	7172.2	6921.1	6572.5	6166.6	5718.5	4667.8	3585.8	2794.4	2592.0	2439.8
-35°	7068.5	6808.9	6476.5	6147.0	5830.5	4819.4	3781.6	3002.6	2680.9	2550.5	2359.7
-37.5°	6624.9	6312.8	5977.1	5576.8	4714.3	3806.8	3074.6	2753.5	2639.6	2459.4	2240.6
-40°	6012.1	5694.8	5074.6	4391.7	3681.4	2983.4	2797.9	2709.5	2535.9	2337.9	2097.0
-42.5°	4976.9	4398.3	3875.4	3332.1	2882.1	2816.9	2731.7	2581.4	2398.3	2172.6	1945.5
-45°	3700.7	3252.6	2871.3	2846.8	2806.6	2709.4	2586.9	2413.1	2212.7	1999.7	1784.9
-47.5°	2835.7	2804.2	2788.0	2736.7	2650.7	2541.0	2381.6	2210.1	2016.6	1821.0	1637.2
-50°	2733.7	2678.6	2620.9	2549.7	2430.2	2298.6	2152.5	1991.5	1821.2	1657.1	1483.7
-52.5°	2551.8	2464.3	2373.3	2279.1	2174.1	2055.8	1921.9	1788.7	1644.7	1484.9	1324.4
-55°	2257.3	2178.2	2101.3	2016.3	1924.2	1825.1	1716.6	1590.4	1448.9	1302.0	1165.7
-57.5°	1971.1	1898.5	1841.1	1772.7	1694.7	1600.8	1496.9	1374.1	1249.4	1126.5	1007.6
-60°	1714.2	1647.2	1593.8	1528.8	1453.2	1367.3	1275.5	1171.3	1058.3	966.8	877.0
-62.5°	1454.4	1394.8	1340.6	1281.6	1215.6	1142.6	1065.2	990.7	906.6	822.9	735.7
-65°	1188.2	1130.5	1083.7	1047.1	1000.3	950.4	890.4	824.2	746.0	669.2	589.2
-67.5°	951.3	908.7	875.1	843.0	802.1	756.4	701.0	641.7	584.8	528.4	465.8
-70°	732.1	698.0	666.0	633.1	602.6	572.9	535.7	493.2	445.4	408.0	374.1
-72.5°	539.8	518.2	495.9	473.9	449.0	431.6	413.2	390.3	364.3	335.3	310.5
-75°	411.9	400.0	388.1	377.8	366.0	352.7	341.4	328.5	314.6	299.1	283.6
-77.5°	346.4	338.7	331.5	326.6	321.2	314.5	306.3	295.7	284.9	272.0	259.4
-80°	309.7	303.6	297.6	293.2	288.4	282.8	276.5	267.6	258.1	247.3	236.7
-82.5°	277.2	272.2	267.1	262.9	258.5	254.0	249.0	241.3	233.3	224.1	214.9
-85°	247.0	242.7	238.4	234.9	231.3	227.4	223.1	216.4	209.6	201.8	194.1
-87.5°	222.0	218.3	214.5	211.3	208.1	204.3	200.4	194.8	189.2	183.1	177.0
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	2.3



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	158.2	151.4	146.3	141.1	135.4	129.7	123.5	117.2	109.3	101.3	91.6
87.5°	2.3	2.3	2.6	2.9	2.9	2.8	2.8	2.8	3.0	3.1	3.4
85°	2.7	2.6	3.0	3.4	3.4	3.4	3.3	3.2	3.6	3.9	3.9
82.5°	3.4	3.3	3.3	3.4	3.8	4.0	3.9	3.8	4.2	4.6	4.4
80°	3.9	4.1	3.9	3.8	4.2	4.6	4.4	4.3	4.7	5.0	4.9
77.5°	4.7	4.8	4.6	4.4	4.5	4.7	4.8	4.8	5.1	5.4	5.5
75°	5.7	5.3	4.8	4.8	4.9	4.8	5.1	5.4	5.8	5.9	6.0
72.5°	5.7	5.7	5.2	5.1	5.8	6.0	6.0	6.1	6.6	6.9	6.7
70°	8.6	6.7	6.3	6.5	6.9	7.3	7.5	7.6	7.5	7.9	7.9
67.5°	13.8	11.4	9.4	8.2	8.3	8.8	9.0	9.5	9.5	9.0	9.1
65°	26.5	19.2	13.5	11.8	10.5	10.4	10.7	11.6	11.7	11.4	10.4
62.5°	38.0	29.5	22.6	17.0	14.2	14.1	12.6	14.0	14.0	14.0	12.6
60°	48.3	39.5	32.6	26.8	21.6	19.0	18.0	16.7	17.0	16.7	15.3
57.5°	48.7	48.0	44.9	38.0	33.1	27.7	24.8	22.6	20.5	20.2	18.1
55°	49.5	50.1	56.1	52.0	47.0	39.8	34.7	30.6	25.6	24.3	21.1
52.5°	59.1	60.8	65.5	68.7	65.0	54.9	49.6	39.2	35.3	28.8	25.2
50°	75.9	81.8	82.4	88.2	85.3	78.6	65.8	55.2	45.9	35.1	29.7
47.5°	118.4	123.8	113.3	116.1	110.8	105.9	90.5	74.3	57.3	45.8	34.4
45°	225.1	193.6	175.5	160.3	146.6	140.9	120.2	95.5	76.8	57.0	39.3
42.5°	364.8	317.7	281.0	213.4	205.5	182.0	156.0	128.0	97.9	68.6	47.4
40°	561.9	471.8	409.5	337.5	278.2	228.6	202.1	164.6	120.4	83.4	57.9
37.5°	747.5	632.5	553.2	465.7	369.8	304.7	252.8	203.8	147.2	104.0	68.6
35°	896.7	782.4	675.1	584.8	487.6	381.0	307.3	247.7	181.7	125.4	79.5
32.5°	1032.1	910.6	788.8	687.1	581.6	455.4	370.8	291.2	216.4	147.6	91.0
30°	1152.0	1035.8	897.1	771.2	659.0	533.3	430.9	331.9	251.2	170.5	104.3
27.5°	1282.8	1165.7	1007.1	862.5	727.2	601.1	478.9	369.8	285.9	193.7	121.6
25°	1405.9	1286.7	1129.5	965.0	796.0	655.1	523.6	405.0	318.4	217.2	138.0
22.5°	1488.3	1388.7	1241.9	1073.5	871.9	707.8	567.3	443.4	340.4	238.7	153.4
20°	1554.8	1478.2	1341.2	1155.5	954.5	770.1	611.1	474.4	360.9	258.2	167.8
17.5°	1649.6	1550.6	1411.8	1224.5	1030.2	832.9	653.3	503.5	379.7	275.6	181.1
15°	1882.7	1614.0	1480.3	1289.2	1088.7	886.4	694.3	531.0	396.8	291.0	193.1
12.5°	2124.4	1675.6	1546.6	1345.4	1131.8	932.3	733.7	556.8	412.1	306.7	203.7
10°	2351.3	1729.2	1608.3	1396.7	1169.3	970.8	770.9	584.8	434.9	322.8	213.3
7.5°	2543.2	1778.1	1666.4	1443.0	1203.1	1005.5	808.3	619.9	457.9	337.6	221.7
5°	2705.2	1823.0	1722.8	1500.1	1243.2	1037.6	841.4	652.4	479.5	350.9	229.1
2.5°	2815.5	1863.7	1773.5	1553.4	1278.3	1064.3	869.6	681.9	499.2	362.5	235.2
0°	2888.6	1900.7	1816.5	1599.1	1307.7	1085.8	893.4	707.9	516.7	372.2	240.1
-2.5°	2911.6	1939.3	1851.8	1637.8	1354.8	1114.4	910.8	720.0	528.6	383.1	248.3
-5°	2895.2	1974.9	1880.6	1668.7	1394.2	1137.4	923.7	728.3	537.9	391.9	255.0
-7.5°	2845.9	2014.9	1904.6	1691.7	1424.5	1154.0	931.8	732.7	544.6	398.3	260.3
-10°	2761.4	2055.1	1923.8	1700.3	1429.2	1162.6	935.5	733.3	548.6	402.3	264.0
-12.5°	2655.3	2091.8	1935.7	1698.8	1423.5	1164.4	938.8	731.7	549.9	403.8	266.0
-15°	2519.6	2138.2	1951.0	1688.2	1411.0	1160.8	935.9	726.0	546.4	401.4	266.1
-17.5°	2341.7	2181.4	1960.7	1674.6	1393.6	1151.9	926.5	715.3	540.0	394.8	263.8
-20°	2337.2	2200.1	1955.5	1648.5	1368.8	1135.8	910.3	699.3	530.4	386.0	259.3



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2369.7	2192.4	1924.6	1613.9	1339.2	1112.9	889.0	678.3	517.8	374.8	253.3
-25°	2387.7	2177.7	1881.7	1576.6	1308.8	1084.0	864.1	656.3	502.0	361.3	245.6
-27.5°	2358.5	2133.9	1825.6	1526.8	1274.2	1049.4	835.3	640.5	487.7	345.5	236.3
-30°	2308.6	2051.2	1756.9	1469.0	1229.3	1009.6	801.3	621.5	471.9	332.7	225.5
-32.5°	2234.4	1962.2	1679.4	1413.6	1178.3	963.6	762.8	598.8	453.5	321.7	218.5
-35°	2117.3	1861.9	1596.2	1351.2	1121.6	916.7	726.0	572.4	432.5	307.9	212.4
-37.5°	1990.8	1746.7	1519.4	1283.5	1062.4	865.6	693.6	544.5	409.1	291.2	205.7
-40°	1858.4	1630.4	1420.5	1210.3	1001.4	810.5	656.4	513.0	386.2	271.6	197.4
-42.5°	1719.5	1516.6	1318.3	1125.1	935.0	764.1	614.8	476.6	358.7	257.0	187.8
-45°	1589.7	1397.3	1210.2	1035.1	864.1	712.3	568.7	436.5	328.2	244.3	180.5
-47.5°	1453.0	1273.4	1101.7	939.1	799.5	654.7	516.8	399.2	295.5	229.7	177.6
-50°	1312.3	1147.4	991.2	852.1	724.3	590.6	462.6	358.9	275.9	212.6	174.1
-52.5°	1169.6	1020.6	887.7	765.7	643.1	520.8	412.4	317.3	254.9	203.2	169.9
-55°	1025.5	904.6	789.7	673.0	557.3	455.7	358.2	290.9	232.4	197.0	165.3
-57.5°	902.1	795.0	683.9	574.6	478.5	389.3	317.7	263.1	221.1	190.2	162.1
-60°	779.6	674.4	571.8	485.7	403.8	335.7	285.4	240.1	212.7	183.3	158.2
-62.5°	642.8	552.2	476.0	401.2	344.1	296.8	255.5	228.7	203.5	177.9	153.8
-65°	518.1	448.8	383.8	341.0	298.5	262.7	241.0	216.5	195.1	171.9	149.0
-67.5°	403.2	365.7	327.8	289.3	266.0	246.3	225.7	206.3	186.9	165.5	144.1
-70°	339.1	304.9	282.7	265.3	247.9	230.0	214.0	196.9	178.4	159.2	138.9
-72.5°	293.3	277.0	261.0	245.3	231.2	216.8	202.4	187.1	170.1	152.6	133.4
-75°	268.5	254.7	241.4	228.4	215.8	203.2	190.6	176.8	161.3	145.6	127.5
-77.5°	247.0	234.7	222.9	211.8	201.2	190.4	178.6	166.0	152.2	138.0	121.2
-80°	226.0	215.5	205.7	196.2	186.9	177.4	166.3	155.2	142.8	130.0	114.7
-82.5°	205.6	196.5	188.3	180.1	171.8	163.3	153.8	144.3	133.1	121.7	108.5
-85°	185.9	177.8	170.6	163.4	156.2	148.9	141.7	134.2	124.7	115.0	103.0
-87.5°	170.1	163.0	157.3	151.5	145.4	139.3	132.6	125.8	117.0	108.2	97.4
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	81.9	68.8	55.8	40.4	25.0	14.2	3.4
87.5°	3.7	3.8	3.8	3.7	3.6	3.7	3.4
85°	4.0	4.2	4.2	4.0	3.8	4.0	3.4
82.5°	4.4	4.5	4.6	4.3	4.0	4.2	3.4
80°	4.7	4.9	5.0	4.6	4.2	4.5	3.4
77.5°	5.3	5.4	5.4	4.9	4.5	4.8	3.4
75°	6.0	6.1	5.8	5.2	4.7	5.1	3.4
72.5°	6.6	6.7	6.4	5.5	5.0	5.3	3.4
70°	7.4	7.4	7.1	5.8	5.3	5.6	3.4
67.5°	8.8	8.1	7.7	6.5	5.6	5.9	3.4
65°	10.2	9.2	8.5	7.2	6.0	6.2	3.4
62.5°	11.8	10.7	9.2	7.9	6.4	6.5	3.4
60°	13.5	12.3	10.0	8.6	6.8	6.8	3.4
57.5°	16.0	13.9	11.5	9.3	7.5	7.1	3.4
55°	18.7	15.6	13.1	10.0	8.3	7.4	3.4
52.5°	21.4	17.5	14.7	10.8	9.1	7.7	3.4
50°	24.1	20.0	16.3	11.5	10.0	8.0	3.4
47.5°	27.1	22.7	18.0	12.4	10.8	8.4	3.4
45°	31.4	25.4	19.8	13.7	11.7	8.7	3.4
42.5°	35.7	28.2	21.5	15.0	12.6	9.0	3.4
40°	40.4	31.2	23.6	16.7	13.4	9.3	3.4
37.5°	45.5	34.2	25.9	18.6	14.4	9.6	3.4
35°	50.8	38.0	28.2	20.5	15.3	10.0	3.4
32.5°	57.4	42.1	30.5	22.4	16.2	10.3	3.4
30°	66.8	46.3	32.8	24.3	17.1	10.6	3.4
27.5°	76.2	50.5	35.7	26.2	18.1	10.9	3.4
25°	85.3	54.6	38.7	28.0	19.0	11.2	3.4
22.5°	94.2	58.8	41.6	29.9	19.9	11.5	3.4
20°	102.9	63.2	44.5	31.7	20.9	11.8	3.4
17.5°	110.9	67.3	47.2	33.5	21.8	12.1	3.4
15°	118.3	71.2	49.9	35.3	22.7	12.3	3.4
12.5°	125.2	74.9	52.5	37.0	23.5	12.6	3.4
10°	131.4	78.4	55.0	38.6	24.3	12.9	3.4
7.5°	137.1	81.6	57.4	40.2	25.1	13.1	3.4
5°	142.1	84.6	59.6	41.7	25.9	13.3	3.4
2.5°	146.5	87.4	61.7	43.1	26.6	13.5	3.4
0°	150.2	89.9	63.7	44.4	27.3	13.7	3.4
-2.5°	155.0	93.7	66.5	46.4	28.5	14.3	3.4
-5°	159.1	97.2	69.2	48.2	29.7	14.8	3.4
-7.5°	162.5	100.4	71.7	50.0	30.8	15.3	3.4
-10°	165.0	103.4	74.0	51.6	31.8	15.8	3.4
-12.5°	166.8	106.0	76.2	53.1	32.8	16.3	3.4
-15°	167.7	108.3	78.1	54.5	33.7	16.7	3.4
-17.5°	167.9	110.3	79.9	55.8	34.6	17.1	3.4
-20°	167.2	111.9	81.4	56.9	35.3	17.5	3.4



REPORT NUMBER: P701734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	165.9	113.2	82.7	57.9	36.0	17.8	3.4
-25°	163.8	114.3	83.8	58.7	36.6	18.2	3.4
-27.5°	160.7	115.2	84.6	59.4	37.2	18.4	3.4
-30°	156.8	115.8	85.3	60.0	37.6	18.7	3.4
-32.5°	152.1	116.1	86.2	60.3	38.0	18.9	3.4
-35°	150.3	116.0	86.8	60.6	38.2	19.1	3.4
-37.5°	149.8	115.9	87.2	60.6	38.4	19.2	3.4
-40°	149.0	116.1	87.4	60.6	38.5	19.3	3.4
-42.5°	147.6	116.1	87.4	60.4	38.6	19.4	3.4
-45°	145.8	115.8	87.3	60.3	38.5	19.4	3.4
-47.5°	143.4	115.2	87.0	60.1	38.3	19.4	3.4
-50°	141.8	114.3	86.4	59.9	38.1	19.4	3.4
-52.5°	140.0	113.1	85.5	59.7	37.8	19.3	3.4
-55°	137.8	111.4	84.5	59.3	37.4	19.2	3.4
-57.5°	135.3	109.5	83.2	58.7	36.9	19.1	3.4
-60°	132.3	107.2	81.7	58.0	36.3	18.9	3.4
-62.5°	129.2	104.7	80.4	57.2	35.8	18.7	3.4
-65°	125.8	101.9	78.9	56.2	35.1	18.4	3.4
-67.5°	122.1	99.2	77.3	55.0	34.4	18.1	3.4
-70°	118.1	96.3	75.4	53.7	33.6	17.8	3.4
-72.5°	113.9	93.3	73.4	52.5	32.8	17.4	3.4
-75°	109.5	90.0	71.1	51.1	31.8	17.1	3.4
-77.5°	104.7	86.4	68.9	49.6	30.8	16.6	3.4
-80°	99.7	83.1	66.6	47.9	29.8	16.2	3.4
-82.5°	95.4	79.7	64.1	46.2	28.7	15.7	3.4
-85°	91.1	76.2	61.5	44.4	27.5	15.3	3.4
-87.5°	86.6	72.6	58.7	42.4	26.3	14.7	3.4
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4

(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

