

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: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-3S-VHE**

Issue Date: 11/16/2023

**Test Information**

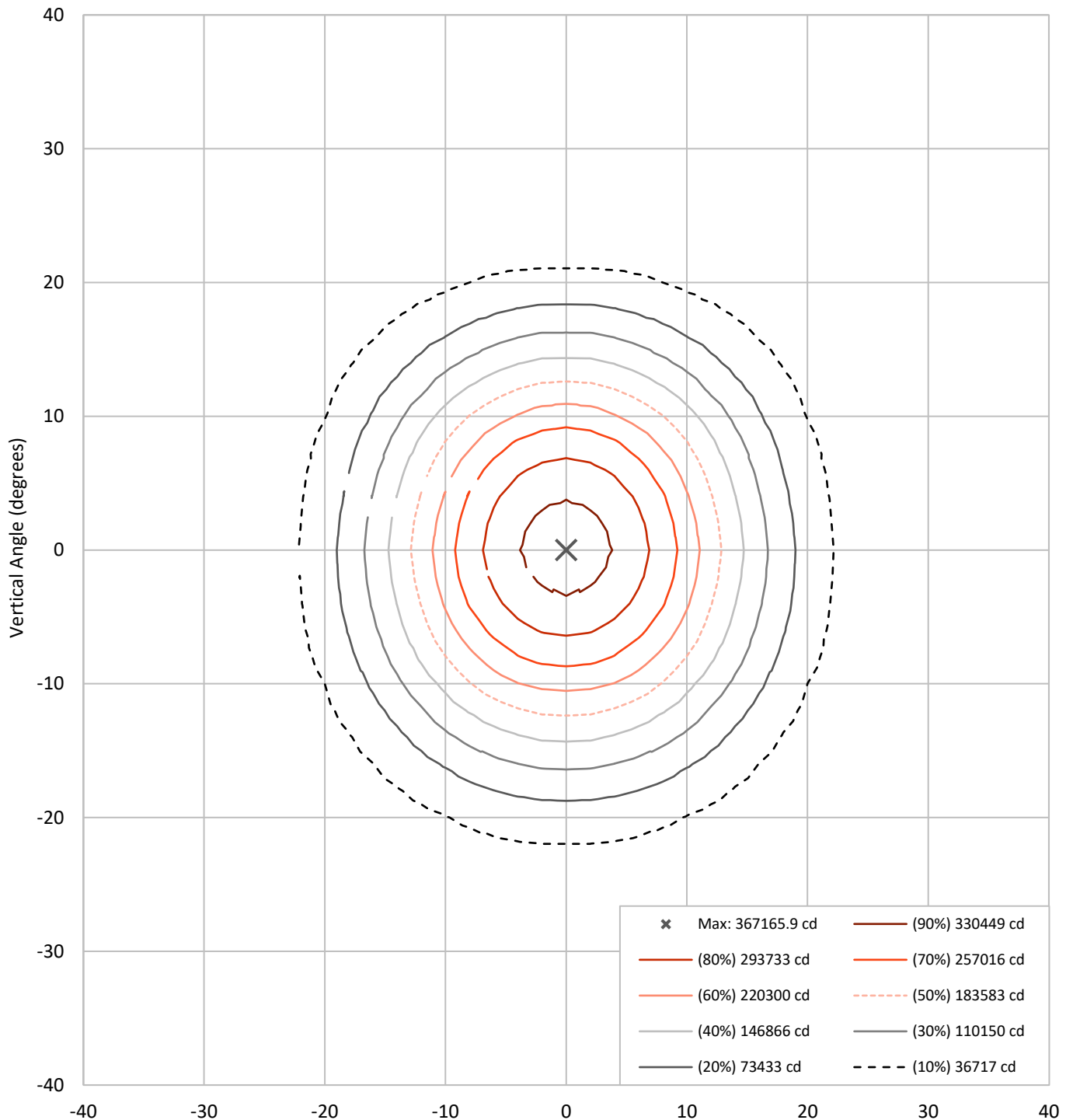
Test Method: LM-79-08  
Report Number: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-57-70-3S-VHE  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 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:	82491.3 lumens	Max Intensity:	367165.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	147.3 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:	39468.6 lumens	Field Lumens:	69158.8 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%
Input Watts (W):	559.9		
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: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

### Iso-Candela Plot





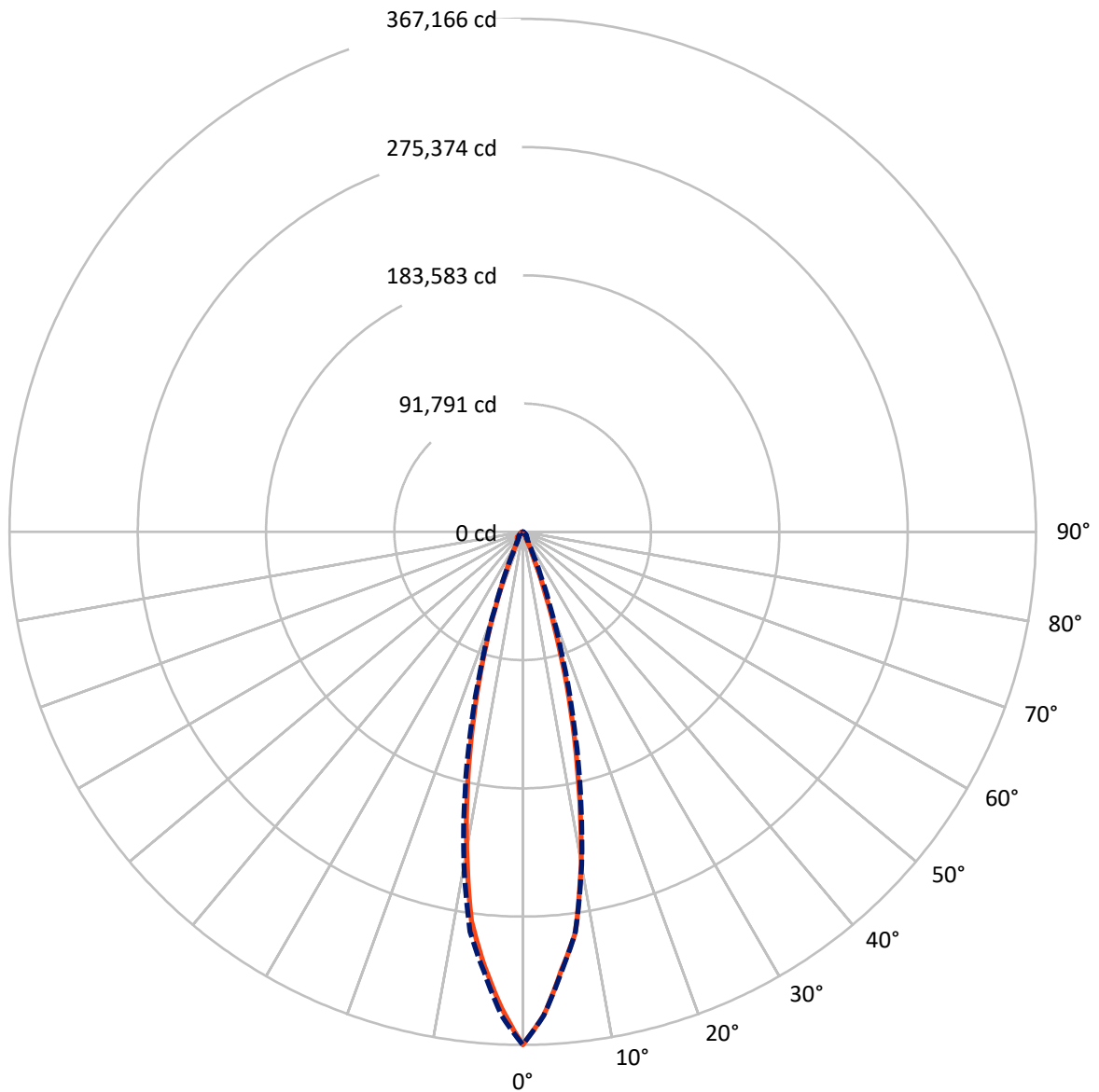
REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

### Lumen Table

90	0.2		0.6		1.3		1.9		2.3		1.9		1.3		0.6		0.2		
80	0.2		0.1	0.2	0.6	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.2	0.1	0.2	
70	0.2		0.4	0.8	1.0	0.9	0.9	1.2	1.4	1.4	1.2	0.9	0.9	1.0	0.8	0.4	0.2		
60	0.8		1.2	2.8	5.8	10.7	18.2	25.9	29.3	29.3	25.9	18.2	10.7	5.8	2.8	1.2	0.8		
50	0.8		2.8	8.8	18.1	34.0	56.4	68.2	80.0	80.0	68.2	56.4	34.0	18.1	8.8	2.8	0.8		
40	1.9		4.8	14.7	32.3	72.3	93.0	201.0	439.5	439.5	201.0	93.0	72.3	32.3	14.7	4.8	1.9		
30	1.9		6.3	19.4	52.5	103.8	251.0	1511.9	3655.3	3655.3	1511.9	251.0	103.8	52.5	19.4	6.3	1.9		
20	2.8		7.6	22.4	66.9	125.8	557.2	3672.2	8364.3	8364.3	3672.2	557.2	125.8	66.9	22.4	7.6	2.8		
10	2.8		8.4	24.7	70.8	139.3	574.2	3694.5	8277.4	8277.4	3694.5	574.2	139.3	70.8	24.7	8.4	2.8		
0	3.0		8.5	25.5	68.4	138.8	307.8	1576.5	3689.4	3689.4	1576.5	307.8	138.8	68.4	25.5	8.5	3.0		
-10	3.0		7.8	24.3	54.1	124.9	188.6	326.8	621.4	621.4	326.8	188.6	124.9	54.1	24.3	7.8	3.0		
-20	2.6		6.7	20.8	43.2	86.3	150.9	186.2	206.7	206.7	186.2	150.9	86.3	43.2	20.8	6.7	2.6		
-30	2.6		5.2	15.9	33.5	54.7	80.6	118.2	147.2	147.2	118.2	80.6	54.7	33.5	15.9	5.2	2.6		
-40	2.1		3.5	10.3	21.9	36.8	50.1	60.8	67.4	67.4	60.8	50.1	36.8	21.9	10.3	3.5	2.1		
-50	2.1		2.5	5.5	11.3	19.1	26.4	33.3	37.5	37.5	33.3	26.4	19.1	11.3	5.5	2.5	2.1		
-60	2.1		2.5	5.5	11.3	19.1	26.4	33.3	37.5	37.5	33.3	26.4	19.1	11.3	5.5	2.5	2.1		
-70	2.1		2.5	5.5	11.3	19.1	26.4	33.3	37.5	37.5	33.3	26.4	19.1	11.3	5.5	2.5	2.1		
-80	1.5		9.0		20.9		34.1		41.8		34.1		20.9		9.0		1.5		
-90	1.5		9.0		20.9		34.1		41.8		34.1		20.9		9.0		1.5		

REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

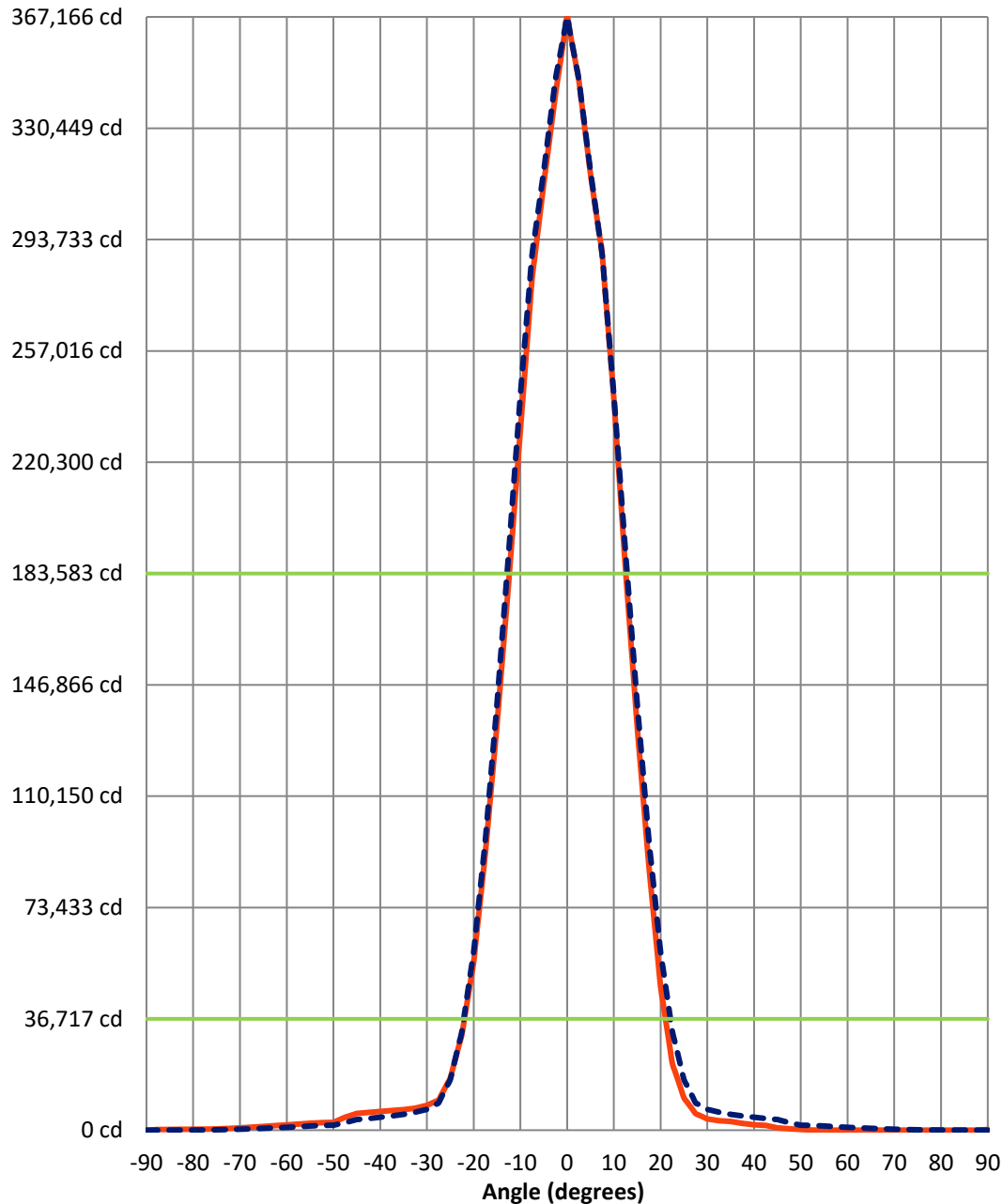
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

### Luminous Intensity Plot



**Beam:**  
 H Angle: 25.7°  
 V Angle: 24.9°  
 Lumens: 39468.6  
 Efficiency: 47.8%

**Field:**  
 H Angle: 44.2°  
 V Angle: 43°  
 Lumens: 69158.8  
 Efficiency: 83.8%

**Spill:**  
 Lumens: 13332.5  
 Efficiency: 16.2%

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



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	2.9	12.2	21.6	34.9	48.2	59.5	70.8	79.2	87.5	94.4	101.2
87.5°	2.9	3.1	3.1	3.2	3.2	3.2	3.2	2.9	2.7	2.5	2.4
85°	2.9	3.4	3.3	3.4	3.6	3.6	3.4	3.3	3.3	3.1	2.8
82.5°	2.9	3.6	3.4	3.7	3.9	3.9	3.7	3.8	3.9	3.6	3.2
80°	2.9	3.9	3.6	3.9	4.3	4.2	4.0	4.2	4.3	4.0	3.7
77.5°	2.9	4.1	3.8	4.2	4.6	4.6	4.6	4.7	4.7	4.4	4.1
75°	2.9	4.3	4.1	4.4	5.0	5.2	5.1	5.2	5.1	5.0	4.6
72.5°	2.9	4.6	4.3	4.7	5.5	5.8	5.7	5.8	5.9	5.7	5.2
70°	2.9	4.8	4.5	5.0	6.1	6.4	6.4	6.8	6.8	6.4	6.6
67.5°	2.9	5.1	4.8	5.6	6.7	7.0	7.6	7.9	7.8	8.2	8.2
65°	2.9	5.3	5.1	6.2	7.3	8.0	8.8	9.0	9.8	10.1	10.0
62.5°	2.9	5.6	5.5	6.8	8.0	9.3	10.2	10.9	12.0	12.1	12.1
60°	2.9	5.9	5.8	7.4	8.6	10.6	11.6	13.2	14.4	14.7	14.4
57.5°	2.9	6.1	6.5	8.0	9.9	12.0	13.8	15.6	17.5	17.7	19.5
55°	2.9	6.4	7.2	8.7	11.3	13.4	16.1	18.2	21.0	22.2	26.4
52.5°	2.9	6.7	7.9	9.3	12.7	15.0	18.4	21.8	24.9	30.5	33.9
50°	2.9	6.9	8.6	10.0	14.1	17.2	20.8	25.7	30.4	39.6	47.6
47.5°	2.9	7.2	9.3	10.7	15.6	19.5	23.4	29.8	39.6	49.5	64.2
45°	2.9	7.5	10.1	11.9	17.1	21.9	27.1	34.0	49.2	66.3	82.5
42.5°	2.9	7.7	10.8	13.0	18.6	24.4	30.8	41.0	59.3	84.5	110.5
40°	2.9	8.0	11.6	14.4	20.3	26.9	34.9	50.0	72.0	104.0	142.1
37.5°	2.9	8.3	12.4	16.1	22.3	29.5	39.3	59.3	89.8	127.1	176.0
35°	2.9	8.6	13.2	17.7	24.3	32.8	43.9	68.7	108.3	156.9	213.9
32.5°	2.9	8.8	14.0	19.3	26.3	36.4	49.6	78.6	127.5	186.9	251.5
30°	2.9	9.1	14.8	21.0	28.3	40.0	57.7	90.0	147.3	216.9	286.7
27.5°	2.9	9.4	15.6	22.6	30.9	43.6	65.8	105.0	167.3	246.9	319.3
25°	2.9	9.6	16.4	24.2	33.4	47.2	73.7	119.2	187.7	275.0	349.8
22.5°	2.9	9.9	17.2	25.8	36.0	50.8	81.4	132.5	206.2	294.0	383.0
20°	2.9	10.2	18.0	27.4	38.4	54.6	88.9	144.9	223.0	311.7	409.7
17.5°	2.9	10.4	18.8	28.9	40.8	58.1	95.8	156.4	238.0	327.9	434.8
15°	2.9	10.6	19.6	30.4	43.1	61.5	102.2	166.7	251.3	342.7	458.6
12.5°	2.9	10.9	20.3	31.9	45.4	64.7	108.1	175.9	264.8	355.9	480.8
10°	2.9	11.1	21.0	33.3	47.5	67.7	113.5	184.2	278.7	375.6	505.0
7.5°	2.9	11.3	21.7	34.7	49.5	70.5	118.4	191.5	291.5	395.4	535.3
5°	2.9	11.5	22.4	35.9	51.5	73.1	122.7	197.9	303.0	414.1	563.4
2.5°	2.9	11.6	23.0	37.2	53.3	75.5	126.5	203.1	313.0	431.1	588.9
0°	2.9	11.8	23.6	38.3	55.0	77.7	129.7	207.4	321.4	446.2	611.4
-2.5°	2.9	12.3	24.7	40.0	57.4	81.0	133.9	214.4	330.9	456.5	621.9
-5°	2.9	12.8	25.7	41.6	59.8	84.0	137.4	220.3	338.4	464.5	629.0
-7.5°	2.9	13.2	26.6	43.1	61.9	86.8	140.3	224.9	343.9	470.3	632.8
-10°	2.9	13.6	27.5	44.6	63.9	89.3	142.5	228.1	347.4	473.8	633.3
-12.5°	2.9	14.0	28.4	45.9	65.8	91.5	144.1	229.8	348.7	474.8	631.9
-15°	2.9	14.4	29.1	47.1	67.5	93.5	144.9	229.9	346.6	471.9	627.0
-17.5°	2.9	14.8	29.9	48.2	69.0	95.2	145.0	227.9	341.0	466.3	617.7
-20°	2.9	15.1	30.5	49.2	70.3	96.6	144.5	224.0	333.3	458.1	603.9



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.9	15.4	31.1	50.0	71.4	97.7	143.3	218.8	323.7	447.1	585.8
-25°	2.9	15.7	31.6	50.7	72.4	98.7	141.5	212.1	312.0	433.5	566.8
-27.5°	2.9	15.9	32.1	51.3	73.1	99.5	138.8	204.2	298.4	421.1	553.2
-30°	2.9	16.1	32.5	51.8	73.7	100.0	135.4	194.8	287.3	407.5	536.8
-32.5°	2.9	16.3	32.8	52.1	74.4	100.3	131.3	188.7	277.8	391.6	517.2
-35°	2.9	16.5	33.0	52.3	75.0	100.2	129.8	183.5	265.9	373.5	494.4
-37.5°	2.9	16.6	33.2	52.4	75.3	100.1	129.4	177.6	251.5	353.2	470.3
-40°	2.9	16.7	33.3	52.3	75.5	100.3	128.6	170.5	234.6	333.4	443.1
-42.5°	2.9	16.8	33.3	52.2	75.5	100.3	127.5	162.2	222.0	309.8	411.6
-45°	2.9	16.8	33.3	52.1	75.4	100.0	125.9	155.9	211.0	283.5	377.0
-47.5°	2.9	16.8	33.1	51.9	75.1	99.4	123.9	153.4	198.4	255.2	344.8
-50°	2.9	16.7	32.9	51.8	74.6	98.7	122.5	150.4	183.7	238.3	310.0
-52.5°	2.9	16.7	32.6	51.5	73.9	97.7	120.9	146.8	175.5	220.1	274.0
-55°	2.9	16.6	32.3	51.2	72.9	96.2	119.0	142.8	170.1	200.7	251.2
-57.5°	2.9	16.5	31.9	50.7	71.8	94.5	116.8	140.0	164.3	191.0	227.2
-60°	2.9	16.3	31.4	50.1	70.5	92.5	114.3	136.7	158.4	183.7	207.4
-62.5°	2.9	16.1	30.9	49.4	69.4	90.4	111.6	132.8	153.7	175.7	197.5
-65°	2.9	15.9	30.4	48.5	68.1	88.0	108.7	128.7	148.5	168.5	187.0
-67.5°	2.9	15.6	29.7	47.5	66.7	85.6	105.5	124.5	142.9	161.4	178.2
-70°	2.9	15.4	29.1	46.4	65.1	83.2	102.0	120.0	137.5	154.1	170.0
-72.5°	2.9	15.1	28.3	45.3	63.4	80.5	98.4	115.2	131.8	146.9	161.6
-75°	2.9	14.7	27.5	44.1	61.5	77.7	94.5	110.1	125.7	139.3	152.6
-77.5°	2.9	14.4	26.7	42.8	59.6	74.6	90.4	104.7	119.2	131.4	143.4
-80°	2.9	14.0	25.7	41.4	57.5	71.7	86.1	99.1	112.3	123.3	134.1
-82.5°	2.9	13.6	24.8	39.9	55.4	68.9	82.4	93.7	105.1	114.9	124.6
-85°	2.9	13.2	23.8	38.3	53.1	65.9	78.7	89.0	99.3	107.7	115.9
-87.5°	2.9	12.7	22.7	36.7	50.7	62.7	74.8	84.1	93.5	101.1	108.6
-90°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.5	2.0	2.0	2.0





REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	106.7	112.1	117.0	121.9	126.3	130.7	136.6	142.5	147.0	151.4	155.8
87.5°	2.4	2.4	2.5	2.5	2.3	2.0	2.0	2.0	1.9	1.8	1.8
85°	2.8	2.9	2.9	2.9	2.6	2.3	2.3	2.4	2.4	2.5	2.3
82.5°	3.3	3.4	3.2	2.9	2.8	2.8	2.9	2.9	2.9	2.9	2.6
80°	3.7	3.9	3.5	3.2	3.3	3.5	3.3	3.0	2.9	3.0	3.1
77.5°	4.1	4.0	3.8	3.8	3.9	4.1	4.0	4.0	4.0	3.8	3.9
75°	4.4	4.1	4.2	4.1	4.1	4.6	4.9	4.9	4.7	4.6	4.6
72.5°	5.1	5.2	5.0	4.4	4.5	4.9	4.9	4.9	6.1	8.1	9.8
70°	6.5	6.4	6.0	5.6	5.4	5.8	7.4	10.1	13.2	15.9	18.6
67.5°	7.8	7.6	7.2	7.1	8.2	9.8	11.9	18.8	26.0	28.5	29.0
65°	9.2	9.0	9.1	10.2	11.6	16.5	22.9	31.2	38.2	37.7	34.8
62.5°	10.9	12.2	12.2	14.7	19.5	25.5	32.8	39.9	46.2	43.2	36.0
60°	15.5	16.4	18.7	23.2	28.2	34.1	41.7	44.1	45.6	44.5	34.9
57.5°	21.4	23.9	28.7	32.8	38.8	41.5	42.1	41.7	44.3	42.5	32.8
55°	30.0	34.4	40.7	44.9	48.4	43.3	42.7	45.4	45.1	41.3	31.9
52.5°	42.9	47.5	56.2	59.3	56.6	52.5	51.1	53.6	51.6	46.5	40.2
50°	56.8	67.9	73.7	76.2	71.2	70.6	65.5	68.7	71.5	69.0	77.6
47.5°	78.1	91.5	95.7	100.3	97.8	106.9	102.2	119.2	120.3	169.8	184.6
45°	103.8	121.7	126.7	138.5	151.5	167.2	194.4	201.6	282.9	332.4	391.0
42.5°	134.7	157.2	177.5	184.3	242.6	274.3	315.1	390.8	466.4	528.6	572.2
40°	174.5	197.4	240.3	291.5	353.6	407.5	485.3	572.9	645.0	692.7	715.1
37.5°	218.3	263.1	319.3	402.2	477.7	546.2	645.6	733.3	797.2	841.3	847.0
35°	265.4	329.0	421.1	505.0	583.0	675.7	774.5	875.2	927.6	946.6	1027.9
32.5°	320.2	393.3	502.3	593.4	681.2	786.4	891.3	978.3	1024.6	1078.4	1353.4
30°	372.2	460.6	569.1	666.0	774.8	894.6	994.9	1077.0	1108.9	1391.3	1836.1
27.5°	413.6	519.1	628.0	744.9	869.7	1006.7	1107.9	1161.1	1344.3	1762.3	2405.2
25°	452.2	565.8	687.5	833.4	975.5	1111.2	1214.1	1248.2	1629.1	2337.9	2817.1
22.5°	490.0	611.3	753.0	927.1	1072.6	1199.3	1285.3	1491.6	2037.5	2935.2	3184.0
20°	527.8	665.1	824.3	997.9	1158.3	1276.6	1342.7	1748.3	2533.5	3164.7	3444.6
17.5°	564.2	719.3	889.7	1057.5	1219.3	1339.1	1424.6	1964.9	2926.3	3370.6	3646.1
15°	599.6	765.5	940.2	1113.4	1278.4	1393.9	1625.9	2282.5	3170.3	3619.7	3910.7
12.5°	633.6	805.1	977.4	1161.9	1335.7	1447.1	1834.6	2667.6	3424.9	3865.1	4179.7
10°	665.7	838.4	1009.7	1206.2	1389.0	1493.4	2030.6	3027.3	3657.9	4039.8	4324.9
7.5°	698.0	868.4	1039.0	1246.2	1439.2	1535.6	2196.3	3224.1	3749.3	4155.1	4427.3
5°	726.6	896.1	1073.6	1295.6	1487.8	1574.4	2336.2	3356.5	3778.2	4212.8	4501.1
2.5°	751.0	919.1	1103.9	1341.6	1531.6	1609.6	2431.5	3457.5	3813.3	4253.8	4592.8
0°	771.6	937.7	1129.4	1381.0	1568.8	1641.5	2494.7	3512.0	3835.4	4271.8	4694.5
-2.5°	786.6	962.5	1170.0	1414.5	1599.3	1674.8	2514.6	3535.4	3867.6	4371.0	4922.7
-5°	797.7	982.3	1204.1	1441.1	1624.1	1705.6	2500.4	3513.6	3906.0	4462.5	5067.8
-7.5°	804.7	996.7	1230.2	1461.0	1644.8	1740.2	2457.8	3488.6	4026.4	4577.4	5140.7
-10°	807.9	1004.1	1234.3	1468.5	1661.4	1774.8	2384.9	3403.9	4113.5	4621.3	5146.7
-12.5°	810.8	1005.6	1229.4	1467.1	1671.7	1806.5	2293.2	3302.2	4193.7	4637.8	5109.5
-15°	808.3	1002.5	1218.5	1458.0	1684.9	1846.6	2175.9	3113.5	4229.4	4620.5	5039.5
-17.5°	800.1	994.8	1203.6	1446.2	1693.3	1883.9	2022.3	2822.8	4037.2	4567.1	4986.1
-20°	786.2	980.9	1182.2	1423.7	1688.7	1900.1	2018.4	2610.1	3634.3	4462.3	4906.9



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	767.8	961.2	1156.6	1393.7	1662.1	1893.4	2046.5	2375.7	3177.8	4308.8	4787.5
-25°	746.2	936.1	1130.3	1361.5	1625.0	1880.7	2062.0	2159.7	2800.5	3788.5	4597.9
-27.5°	721.4	906.3	1100.4	1318.6	1576.6	1842.9	2036.9	2165.7	2493.7	3193.6	4309.8
-30°	692.0	871.9	1061.7	1268.7	1517.3	1771.4	1993.8	2157.9	2253.7	2787.6	3684.9
-32.5°	658.8	832.2	1017.6	1220.8	1450.3	1694.6	1929.7	2107.1	2238.5	2413.3	3096.7
-35°	627.0	791.7	968.7	1166.9	1378.5	1607.9	1828.6	2037.9	2202.7	2315.3	2593.1
-37.5°	599.0	747.6	917.6	1108.4	1312.2	1508.5	1719.3	1935.1	2124.0	2279.7	2378.0
-40°	566.9	700.0	864.9	1045.3	1226.8	1408.0	1605.0	1811.0	2019.1	2190.0	2339.9
-42.5°	531.0	659.9	807.5	971.7	1138.5	1309.7	1485.0	1680.2	1876.3	2071.2	2229.3
-45°	491.1	615.1	746.3	893.9	1045.2	1206.7	1372.9	1541.5	1727.0	1911.0	2084.0
-47.5°	446.3	565.4	690.4	811.0	951.5	1099.7	1254.8	1413.9	1572.6	1741.6	1908.7
-50°	399.5	510.1	625.5	735.9	856.0	990.9	1133.3	1281.4	1431.1	1572.8	1719.9
-52.5°	356.2	449.8	555.4	661.2	766.7	881.4	1010.0	1143.8	1282.4	1420.4	1544.7
-55°	309.4	393.6	481.3	581.2	682.0	781.2	885.7	1006.7	1124.4	1251.3	1373.5
-57.5°	274.4	336.3	413.2	496.3	590.6	686.6	779.1	870.2	972.8	1079.0	1186.7
-60°	246.5	289.9	348.7	419.5	493.8	582.4	673.3	757.5	834.9	914.0	1011.5
-62.5°	220.7	256.3	297.2	346.5	411.1	476.9	555.1	635.4	710.7	783.0	855.6
-65°	208.1	226.8	257.8	294.5	331.5	387.6	447.5	508.9	577.9	644.3	711.8
-67.5°	194.9	212.7	229.8	249.9	283.1	315.9	348.3	402.3	456.3	505.1	554.2
-70°	184.8	198.7	214.1	229.1	244.1	263.4	292.8	323.1	352.4	384.7	425.9
-72.5°	174.8	187.2	199.7	211.8	225.4	239.3	253.3	268.1	289.6	314.6	337.1
-75°	164.6	175.4	186.4	197.2	208.5	220.0	231.9	244.9	258.3	271.7	283.7
-77.5°	154.2	164.4	173.7	182.8	192.5	202.8	213.3	224.0	234.9	246.0	255.4
-80°	143.6	153.2	161.4	169.5	177.7	186.1	195.2	204.4	213.6	222.9	231.1
-82.5°	132.8	141.0	148.4	155.6	162.7	169.7	177.5	185.5	193.5	201.5	208.4
-85°	122.3	128.6	134.9	141.2	147.4	153.6	160.6	167.6	174.3	181.0	186.9
-87.5°	114.5	120.4	125.7	130.9	135.8	140.8	146.9	152.9	158.1	163.4	168.2
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0	1.0



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	160.2	163.2	166.1	168.6	171.0	174.5	177.9	182.8	187.7	193.6	199.5
87.5°	1.8	1.8	1.9	1.4	1.0	1.0	1.0	1.0	1.0	1.5	2.0
85°	2.0	2.0	2.0	2.2	2.5	2.6	2.7	2.7	2.8	2.8	2.9
82.5°	2.4	2.5	2.5	2.7	2.9	2.9	2.9	2.9	2.9	3.3	3.8
80°	3.2	3.3	3.4	3.4	3.5	3.3	2.9	2.9	2.9	3.4	3.9
77.5°	4.0	4.0	3.9	3.7	3.4	3.1	2.9	2.9	2.9	3.0	3.0
75°	4.8	4.9	5.2	5.5	5.9	6.0	5.7	5.8	6.1	6.0	5.7
72.5°	10.8	11.1	11.1	12.4	13.6	14.1	14.5	15.4	16.6	18.0	19.7
70°	21.1	23.3	24.2	24.2	23.3	22.7	22.2	22.1	22.5	23.5	24.8
67.5°	30.4	31.4	31.0	30.6	28.7	26.5	24.0	22.7	23.3	24.4	25.9
65°	34.4	31.7	29.7	29.0	27.3	24.6	20.8	18.3	17.7	17.3	17.2
62.5°	30.9	26.0	23.8	22.5	20.1	17.8	14.3	11.6	10.7	10.0	9.8
60°	26.9	21.0	17.3	15.5	12.9	10.0	8.3	6.3	5.7	5.3	5.4
57.5°	23.4	17.3	13.1	12.3	9.9	7.8	6.3	4.6	4.2	3.9	4.0
55°	24.1	21.1	17.6	15.8	13.1	12.0	10.5	9.5	8.7	8.9	9.4
52.5°	34.1	36.7	32.3	31.1	38.7	38.8	32.0	42.4	48.8	53.7	55.0
50°	88.0	87.4	116.2	111.3	137.8	159.5	160.4	173.6	198.8	216.0	225.2
47.5°	233.7	260.0	293.5	328.6	356.2	390.5	425.2	451.2	457.6	458.3	462.8
45°	440.0	477.5	527.9	564.9	616.9	649.0	675.6	699.7	755.5	806.7	866.4
42.5°	614.5	655.4	707.7	782.8	837.6	983.9	1207.8	1262.8	1270.7	1316.3	1382.5
40°	752.2	805.8	921.9	1086.5	1437.2	1751.7	1808.4	1855.6	1876.4	1851.1	1896.2
37.5°	918.9	1044.7	1306.0	1756.0	1922.3	2007.9	2068.1	2104.3	2148.3	2188.9	2211.0
35°	1195.7	1546.2	1775.2	2015.6	2124.3	2167.7	2212.0	2256.5	2291.0	2336.0	2372.0
32.5°	1763.8	2154.1	2177.1	2236.4	2293.1	2349.6	2390.9	2433.3	2470.1	2528.4	2650.6
30°	2336.2	2421.3	2442.1	2447.4	2499.1	2566.7	2602.6	2688.3	2804.0	2936.7	3219.1
27.5°	2640.9	2699.4	2711.6	2717.4	2741.5	2821.5	2969.8	3086.7	3364.5	3701.6	4427.3
25°	3011.8	3053.5	3097.6	3095.7	3132.3	3274.0	3564.0	3811.0	4749.2	5627.2	7518.7
22.5°	3365.8	3491.7	3554.4	3638.5	3762.8	4020.6	4529.4	5958.6	8348.1	11397.5	15193.7
20°	3611.7	3781.2	3950.0	4184.6	4484.8	5020.0	6609.4	10886.1	15993.4	23404.2	29620.0
17.5°	3859.9	4051.3	4349.8	4711.7	5215.9	7013.0	11672.9	18934.5	29422.7	42579.4	54122.9
15°	4183.4	4410.6	4810.4	5327.0	6735.9	10571.9	18345.4	31558.5	47502.6	65997.1	85397.7
12.5°	4403.8	4716.7	5192.1	5859.3	8171.8	15356.3	27872.3	45986.0	67930.5	91234.1	122159.1
10°	4566.6	4940.8	5586.4	6969.9	11163.1	20637.3	35677.5	58283.2	88368.4	123884.9	159241.2
7.5°	4703.4	5207.3	6017.8	7761.0	13743.9	25688.6	44860.3	72336.4	107932.3	150727.8	191844.3
5°	4826.2	5494.3	6432.9	8613.8	16056.4	29345.9	50967.0	82831.5	124051.9	170791.7	216187.2
2.5°	4988.7	5763.1	6702.1	8848.5	16981.9	31372.4	55805.7	91306.1	135561.2	184728.3	234118.7
0°	5214.4	5937.9	6866.7	8998.7	16694.0	32642.1	58771.2	95559.3	140604.9	190581.8	242384.2
-2.5°	5391.9	6038.6	6962.6	8877.7	16553.3	32044.9	57432.9	93080.1	135667.0	183959.3	235632.7
-5°	5506.6	6110.8	7004.7	8922.9	16198.1	29762.6	53479.9	86584.2	125611.4	169204.4	216986.8
-7.5°	5573.7	6137.2	6961.1	8638.4	14584.7	26653.3	46443.7	74611.0	109621.6	149960.1	189449.0
-10°	5613.9	6120.1	6869.9	8235.9	12267.9	21660.6	36666.2	60538.8	90873.4	123377.7	155678.2
-12.5°	5629.0	6084.0	6741.4	7659.4	9835.9	16957.6	29187.7	46130.0	68647.7	95311.2	123773.3
-15°	5599.4	6031.4	6617.1	7412.0	8860.0	12712.3	20366.6	31889.4	48673.4	69030.9	89655.9
-17.5°	5489.4	5977.1	6433.2	7043.5	7895.8	9712.4	14371.1	21767.2	32002.4	45458.5	57358.0
-20°	5343.7	5874.8	6265.3	6804.6	7473.9	8305.3	9799.4	14313.2	20052.4	27842.6	35609.1



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5214.0	5699.9	6190.8	6561.1	7085.2	7631.7	8306.4	9597.6	12481.4	16370.8	21294.2
-25°	5094.3	5539.1	6042.9	6443.3	6738.9	7125.3	7547.9	8000.3	8979.9	9898.4	12273.5
-27.5°	4925.8	5386.6	5823.5	6250.8	6535.8	6711.1	6999.1	7280.3	7690.5	8055.3	8752.8
-30°	4729.8	5180.6	5596.3	5984.6	6276.5	6460.9	6603.7	6797.0	7014.2	7235.0	7534.7
-32.5°	4031.2	4938.6	5325.6	5676.1	5977.2	6194.1	6345.3	6472.2	6597.6	6738.9	6896.9
-35°	3265.8	4162.1	5035.4	5308.7	5593.2	5880.3	6104.5	6224.3	6333.4	6432.4	6529.1
-37.5°	2655.3	3287.6	4071.4	4816.2	5162.0	5451.9	5721.3	5930.7	6083.6	6176.5	6263.3
-40°	2416.3	2576.5	3179.3	3792.7	4382.6	4918.1	5192.2	5501.6	5753.1	5889.4	5984.0
-42.5°	2359.2	2432.8	2489.0	2877.7	3346.9	3798.4	4298.2	4794.2	5183.5	5443.0	5635.9
-45°	2234.1	2339.9	2423.9	2458.5	2479.8	2808.9	3196.0	3574.8	4011.9	4463.4	4873.4
-47.5°	2056.8	2194.4	2289.2	2363.4	2407.8	2421.7	2449.0	2533.9	2851.3	3185.0	3502.7
-50°	1859.0	1985.2	2098.8	2202.0	2263.4	2313.2	2360.9	2406.6	2445.3	2494.1	2538.1
-52.5°	1659.8	1775.5	1877.6	1968.2	2049.6	2128.1	2203.7	2260.2	2315.4	2374.6	2422.7
-55°	1482.5	1576.2	1661.8	1741.4	1814.8	1881.1	1949.4	2022.4	2097.9	2171.7	2229.1
-57.5°	1292.8	1382.5	1463.6	1531.0	1590.0	1639.6	1702.3	1770.6	1841.7	1907.5	1957.4
-60°	1101.5	1180.8	1255.0	1320.3	1376.4	1422.5	1480.4	1538.3	1601.7	1658.0	1702.4
-62.5°	919.9	986.7	1049.7	1106.9	1157.8	1204.6	1256.0	1307.7	1367.2	1419.6	1462.2
-65°	768.9	820.7	863.9	904.3	935.9	976.4	1026.1	1073.8	1125.6	1171.0	1208.9
-67.5°	605.4	653.2	692.7	728.1	755.8	784.8	821.6	859.5	899.7	935.8	967.6
-70°	462.6	494.7	520.4	546.7	575.2	602.8	632.3	664.8	698.5	728.3	754.4
-72.5°	356.8	372.7	387.7	409.2	428.3	447.5	466.1	489.4	514.5	537.0	557.5
-75°	294.8	304.7	316.1	326.3	335.1	345.4	355.7	370.8	387.2	402.8	417.4
-77.5°	264.5	271.6	277.4	282.1	286.2	292.4	299.1	310.4	322.5	335.6	348.7
-80°	238.8	244.2	249.1	253.3	257.0	262.1	267.4	277.3	287.7	298.8	309.8
-82.5°	215.1	219.3	223.2	227.0	230.7	235.0	239.3	248.0	257.0	266.3	275.4
-85°	192.7	196.3	199.7	202.8	205.8	209.6	213.3	220.7	228.2	236.0	243.8
-87.5°	173.0	176.4	179.7	182.5	185.3	188.6	191.8	198.3	204.8	211.3	217.9
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	200.0	200.5	201.0	201.5	201.0	200.5	200.0	199.5	193.6	187.7	182.8
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0	1.0
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7
82.5°	3.4	2.9	3.4	3.9	3.4	2.9	3.4	3.8	3.3	2.9	2.9
80°	3.4	2.9	3.4	3.9	3.4	2.9	3.4	3.9	3.4	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	2.9
75°	4.9	3.9	3.4	2.9	3.4	3.9	4.9	5.7	6.0	6.1	5.8
72.5°	20.2	20.2	20.5	20.6	20.5	20.2	20.2	19.7	18.0	16.6	15.4
70°	25.6	26.3	26.5	26.5	26.5	26.3	25.6	24.8	23.5	22.5	22.1
67.5°	26.1	25.7	25.2	24.6	25.2	25.7	26.1	25.9	24.4	23.3	22.7
65°	16.3	15.2	13.5	11.8	13.5	15.2	16.3	17.2	17.3	17.7	18.3
62.5°	9.5	9.1	8.9	8.8	8.9	9.1	9.5	9.8	10.0	10.7	11.6
60°	5.6	5.9	5.9	5.9	5.9	5.9	5.6	5.4	5.3	5.7	6.3
57.5°	4.3	4.8	5.3	5.9	5.3	4.8	4.3	4.0	3.9	4.2	4.6
55°	10.0	11.2	11.7	11.8	11.7	11.2	10.0	9.4	8.9	8.7	9.5
52.5°	53.1	50.4	48.0	46.2	48.0	50.4	53.1	55.0	53.7	48.8	42.4
50°	229.4	235.4	238.2	237.9	238.2	235.4	229.4	225.2	216.0	198.8	173.6
47.5°	472.5	475.9	473.2	465.9	473.2	475.9	472.5	462.8	458.3	457.6	451.2
45°	939.5	898.8	826.6	762.8	826.6	898.8	939.5	866.4	806.7	755.5	699.7
42.5°	1470.7	1519.4	1555.9	1572.7	1555.9	1519.4	1470.7	1382.5	1316.3	1270.7	1262.8
40°	1845.6	1793.5	1783.0	1790.9	1783.0	1793.5	1845.6	1896.2	1851.1	1876.4	1855.6
37.5°	2216.6	2263.8	2298.9	2242.1	2298.9	2263.8	2216.6	2211.0	2188.9	2148.3	2104.3
35°	2455.5	2623.7	2821.1	2881.0	2821.1	2623.7	2455.5	2372.0	2336.0	2291.0	2256.5
32.5°	2855.2	3032.8	3109.7	3128.7	3109.7	3032.8	2855.2	2650.6	2528.4	2470.1	2433.3
30°	3491.3	3668.6	3700.5	3726.3	3700.5	3668.6	3491.3	3219.1	2936.7	2804.0	2688.3
27.5°	4908.9	5305.7	5399.9	5466.1	5399.9	5305.7	4908.9	4427.3	3701.6	3364.5	3086.7
25°	9012.1	10044.2	10718.4	10653.0	10718.4	10044.2	9012.1	7518.7	5627.2	4749.2	3811.0
22.5°	18997.5	21023.5	22104.6	22085.4	22104.6	21023.5	18997.5	15193.7	11397.5	8348.1	5958.6
20°	38475.5	44470.5	47715.3	47345.7	47715.3	44470.5	38475.5	29620.0	23404.2	15993.4	10886.1
17.5°	67088.9	78667.7	86757.1	87088.4	86757.1	78667.7	67088.9	54122.9	42579.4	29422.7	18934.5
15°	103739.5	120919.6	133047.7	133046.2	133047.7	120919.6	103739.5	85397.7	65997.1	47502.6	31558.5
12.5°	148345.2	168881.1	182757.7	184838.7	182757.7	168881.1	148345.2	122159.1	91234.1	67930.5	45986.0
10°	191155.0	214416.1	235394.3	241170.2	235394.3	214416.1	191155.0	159241.2	123884.9	88368.4	58283.2
7.5°	227390.1	263981.5	283090.6	289109.2	283090.6	263981.5	227390.1	191844.3	150727.8	107932.3	72336.4
5°	262957.0	294630.0	310673.7	315318.4	310673.7	294630.0	262957.0	216187.2	170791.7	124051.9	82831.5
2.5°	281666.4	310739.0	333288.7	346366.2	333288.7	310739.0	281666.4	234118.7	184728.3	135561.2	91306.1
0°	288705.7	316326.9	346568.2	367165.9	346568.2	316326.9	288705.7	242384.2	190581.8	140604.9	95559.3
-2.5°	281664.8	308391.8	330677.6	341527.7	330677.6	308391.8	281664.8	235632.7	183959.3	135667.0	93080.1
-5°	260321.8	291758.7	307984.6	312092.4	307984.6	291758.7	260321.8	216986.8	169204.4	125611.4	86584.2
-7.5°	226234.1	256468.4	276362.3	280843.2	276362.3	256468.4	226234.1	189449.0	149960.1	109621.6	74611.0
-10°	188284.5	214109.7	227530.7	230849.5	227530.7	214109.7	188284.5	155678.2	123377.7	90873.4	60538.8
-12.5°	146301.2	165240.2	178940.3	180799.8	178940.3	165240.2	146301.2	123773.3	95311.2	68647.7	46130.0
-15°	108898.6	121424.0	132469.0	133738.2	132469.0	121424.0	108898.6	89655.9	69030.9	48673.4	31889.4
-17.5°	72956.5	83326.3	89506.3	91289.4	89506.3	83326.3	72956.5	57358.0	45458.5	32002.4	21767.2
-20°	43713.0	51133.4	55251.9	55406.7	55251.9	51133.4	43713.0	35609.1	27842.6	20052.4	14313.2



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	25360.1	29488.9	31668.0	31625.7	31668.0	29488.9	25360.1	21294.2	16370.8	12481.4	9597.6
-25°	14625.7	16433.5	17155.0	17180.6	17155.0	16433.5	14625.7	12273.5	9898.4	8979.9	8000.3
-27.5°	9312.7	9727.8	9894.0	9920.7	9894.0	9727.8	9312.7	8752.8	8055.3	7690.5	7280.3
-30°	7808.0	8050.8	8162.4	8193.7	8162.4	8050.8	7808.0	7534.7	7235.0	7014.2	6797.0
-32.5°	7045.2	7179.0	7269.2	7256.0	7269.2	7179.0	7045.2	6896.9	6738.9	6597.6	6472.2
-35°	6623.5	6706.2	6756.9	6781.2	6756.9	6706.2	6623.5	6529.1	6432.4	6333.4	6224.3
-37.5°	6350.0	6424.0	6472.0	6486.3	6472.0	6424.0	6350.0	6263.3	6176.5	6083.6	5930.7
-40°	6065.4	6127.0	6166.5	6180.7	6166.5	6127.0	6065.4	5984.0	5889.4	5753.1	5501.6
-42.5°	5758.3	5824.5	5856.0	5856.3	5856.0	5824.5	5758.3	5635.9	5443.0	5183.5	4794.2
-45°	5209.7	5413.4	5515.4	5520.1	5515.4	5413.4	5209.7	4873.4	4463.4	4011.9	3574.8
-47.5°	3791.8	3993.1	4155.0	4274.8	4155.0	3993.1	3791.8	3502.7	3185.0	2851.3	2533.9
-50°	2576.6	2589.8	2590.7	2579.2	2590.7	2589.8	2576.6	2538.1	2494.1	2445.3	2406.6
-52.5°	2460.3	2474.1	2484.2	2489.8	2484.2	2474.1	2460.3	2422.7	2374.6	2315.4	2260.2
-55°	2271.5	2288.9	2296.0	2293.2	2296.0	2288.9	2271.5	2229.1	2171.7	2097.9	2022.4
-57.5°	1990.9	2002.4	2007.7	2006.2	2007.7	2002.4	1990.9	1957.4	1907.5	1841.7	1770.6
-60°	1729.6	1738.1	1743.0	1742.7	1743.0	1738.1	1729.6	1702.4	1658.0	1601.7	1538.3
-62.5°	1486.1	1493.7	1499.2	1499.9	1499.2	1493.7	1486.1	1462.2	1419.6	1367.2	1307.7
-65°	1227.8	1233.6	1237.2	1236.5	1237.2	1233.6	1227.8	1208.9	1171.0	1125.6	1073.8
-67.5°	981.5	985.6	988.9	988.8	988.9	985.6	981.5	967.6	935.8	899.7	859.5
-70°	762.7	763.1	764.7	763.7	764.7	763.1	762.7	754.4	728.3	698.5	664.8
-72.5°	562.2	561.7	561.4	559.3	561.4	561.7	562.2	557.5	537.0	514.5	489.4
-75°	418.8	417.4	415.9	413.8	415.9	417.4	418.8	417.4	402.8	387.2	370.8
-77.5°	350.2	350.2	347.8	345.0	347.8	350.2	350.2	348.7	335.6	322.5	310.4
-80°	310.5	310.1	309.0	307.7	309.0	310.1	310.5	309.8	298.8	287.7	277.3
-82.5°	276.4	276.8	276.6	276.2	276.6	276.8	276.4	275.4	266.3	257.0	248.0
-85°	244.7	245.5	245.2	244.7	245.2	245.5	244.7	243.8	236.0	228.2	220.7
-87.5°	218.5	219.1	219.2	219.2	219.2	219.1	218.5	217.9	211.3	204.8	198.3
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0





REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	177.9	174.5	171.0	168.6	166.1	163.2	160.2	155.8	151.4	147.0	142.5
87.5°	1.0	1.0	1.0	1.4	1.9	1.8	1.8	1.8	1.8	1.9	2.0
85°	2.7	2.6	2.5	2.2	2.0	2.0	2.0	2.3	2.5	2.4	2.4
82.5°	2.9	2.9	2.9	2.7	2.5	2.5	2.4	2.6	2.9	2.9	2.9
80°	2.9	3.3	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	3.0
77.5°	2.9	3.1	3.4	3.7	3.9	4.0	4.0	3.9	3.8	4.0	4.0
75°	5.7	6.0	5.9	5.5	5.2	4.9	4.8	4.6	4.6	4.7	4.9
72.5°	14.5	14.1	13.6	12.4	11.1	11.1	10.8	9.8	8.1	6.1	4.9
70°	22.2	22.7	23.3	24.2	24.2	23.3	21.1	18.6	15.9	13.2	10.1
67.5°	24.0	26.5	28.7	30.6	31.0	31.4	30.4	29.0	28.5	26.0	18.8
65°	20.8	24.6	27.3	29.0	29.7	31.7	34.4	34.8	37.7	38.2	31.2
62.5°	14.3	17.8	20.1	22.5	23.8	26.0	30.9	36.0	43.2	46.2	39.9
60°	8.3	10.0	12.9	15.5	17.3	21.0	26.9	34.9	44.5	45.6	44.1
57.5°	6.3	7.8	9.9	12.3	13.1	17.3	23.4	32.8	42.5	44.3	41.7
55°	10.5	12.0	13.1	15.8	17.6	21.1	24.1	31.9	41.3	45.1	45.4
52.5°	32.0	38.8	38.7	31.1	32.3	36.7	34.1	40.2	46.5	51.6	53.6
50°	160.4	159.5	137.8	111.3	116.2	87.4	88.0	77.6	69.0	71.5	68.7
47.5°	425.2	390.5	356.2	328.6	293.5	260.0	233.7	184.6	169.8	120.3	119.2
45°	675.6	649.0	616.9	564.9	527.9	477.5	440.0	391.0	332.4	282.9	201.6
42.5°	1207.8	983.9	837.6	782.8	707.7	655.4	614.5	572.2	528.6	466.4	390.8
40°	1808.4	1751.7	1437.2	1086.5	921.9	805.8	752.2	715.1	692.7	645.0	572.9
37.5°	2068.1	2007.9	1922.3	1756.0	1306.0	1044.7	918.9	847.0	841.3	797.2	733.3
35°	2212.0	2167.7	2124.3	2015.6	1775.2	1546.2	1195.7	1027.9	946.6	927.6	875.2
32.5°	2390.9	2349.6	2293.1	2236.4	2177.1	2154.1	1763.8	1353.4	1078.4	1024.6	978.3
30°	2602.6	2566.7	2499.1	2447.4	2442.1	2421.3	2336.2	1836.1	1391.3	1108.9	1077.0
27.5°	2969.8	2821.5	2741.5	2717.4	2711.6	2699.4	2640.9	2405.2	1762.3	1344.3	1161.1
25°	3564.0	3274.0	3132.3	3095.7	3097.6	3053.5	3011.8	2817.1	2337.9	1629.1	1248.2
22.5°	4529.4	4020.6	3762.8	3638.5	3554.4	3491.7	3365.8	3184.0	2935.2	2037.5	1491.6
20°	6609.4	5020.0	4484.8	4184.6	3950.0	3781.2	3611.7	3444.6	3164.7	2533.5	1748.3
17.5°	11672.9	7013.0	5215.9	4711.7	4349.8	4051.3	3859.9	3646.1	3370.6	2926.3	1964.9
15°	18345.4	10571.9	6735.9	5327.0	4810.4	4410.6	4183.4	3910.7	3619.7	3170.3	2282.5
12.5°	27872.3	15356.3	8171.8	5859.3	5192.1	4716.7	4403.8	4179.7	3865.1	3424.9	2667.6
10°	35677.5	20637.3	11163.1	6969.9	5586.4	4940.8	4566.6	4324.9	4039.8	3657.9	3027.3
7.5°	44860.3	25688.6	13743.9	7761.0	6017.8	5207.3	4703.4	4427.3	4155.1	3749.3	3224.1
5°	50967.0	29345.9	16056.4	8613.8	6432.9	5494.3	4826.2	4501.1	4212.8	3778.2	3356.5
2.5°	55805.7	31372.4	16981.9	8848.5	6702.1	5763.1	4988.7	4592.8	4253.8	3813.3	3457.5
0°	58771.2	32642.1	16694.0	8998.7	6866.7	5937.9	5214.4	4694.5	4271.8	3835.4	3512.0
-2.5°	57432.9	32044.9	16553.3	8877.7	6962.6	6038.6	5391.9	4922.7	4371.0	3867.6	3535.4
-5°	53479.9	29762.6	16198.1	8922.9	7004.7	6110.8	5506.6	5067.8	4462.5	3906.0	3513.6
-7.5°	46443.7	26653.3	14584.7	8638.4	6961.1	6137.2	5573.7	5140.7	4577.4	4026.4	3488.6
-10°	36666.2	21660.6	12267.9	8235.9	6869.9	6120.1	5613.9	5146.7	4621.3	4113.5	3403.9
-12.5°	29187.7	16957.6	9835.9	7659.4	6741.4	6084.0	5629.0	5109.5	4637.8	4193.7	3302.2
-15°	20366.6	12712.3	8860.0	7412.0	6617.1	6031.4	5599.4	5039.5	4620.5	4229.4	3113.5
-17.5°	14371.1	9712.4	7895.8	7043.5	6433.2	5977.1	5489.4	4986.1	4567.1	4037.2	2822.8
-20°	9799.4	8305.3	7473.9	6804.6	6265.3	5874.8	5343.7	4906.9	4462.3	3634.3	2610.1



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8306.4	7631.7	7085.2	6561.1	6190.8	5699.9	5214.0	4787.5	4308.8	3177.8	2375.7
-25°	7547.9	7125.3	6738.9	6443.3	6042.9	5539.1	5094.3	4597.9	3788.5	2800.5	2159.7
-27.5°	6999.1	6711.1	6535.8	6250.8	5823.5	5386.6	4925.8	4309.8	3193.6	2493.7	2165.7
-30°	6603.7	6460.9	6276.5	5984.6	5596.3	5180.6	4729.8	3684.9	2787.6	2253.7	2157.9
-32.5°	6345.3	6194.1	5977.2	5676.1	5325.6	4938.6	4031.2	3096.7	2413.3	2238.5	2107.1
-35°	6104.5	5880.3	5593.2	5308.7	5035.4	4162.1	3265.8	2593.1	2315.3	2202.7	2037.9
-37.5°	5721.3	5451.9	5162.0	4816.2	4071.4	3287.6	2655.3	2378.0	2279.7	2124.0	1935.1
-40°	5192.2	4918.1	4382.6	3792.7	3179.3	2576.5	2416.3	2339.9	2190.0	2019.1	1811.0
-42.5°	4298.2	3798.4	3346.9	2877.7	2489.0	2432.8	2359.2	2229.3	2071.2	1876.3	1680.2
-45°	3196.0	2808.9	2479.8	2458.5	2423.9	2339.9	2234.1	2084.0	1911.0	1727.0	1541.5
-47.5°	2449.0	2421.7	2407.8	2363.4	2289.2	2194.4	2056.8	1908.7	1741.6	1572.6	1413.9
-50°	2360.9	2313.2	2263.4	2202.0	2098.8	1985.2	1859.0	1719.9	1572.8	1431.1	1281.4
-52.5°	2203.7	2128.1	2049.6	1968.2	1877.6	1775.5	1659.8	1544.7	1420.4	1282.4	1143.8
-55°	1949.4	1881.1	1814.8	1741.4	1661.8	1576.2	1482.5	1373.5	1251.3	1124.4	1006.7
-57.5°	1702.3	1639.6	1590.0	1531.0	1463.6	1382.5	1292.8	1186.7	1079.0	972.8	870.2
-60°	1480.4	1422.5	1376.4	1320.3	1255.0	1180.8	1101.5	1011.5	914.0	834.9	757.5
-62.5°	1256.0	1204.6	1157.8	1106.9	1049.7	986.7	919.9	855.6	783.0	710.7	635.4
-65°	1026.1	976.4	935.9	904.3	863.9	820.7	768.9	711.8	644.3	577.9	508.9
-67.5°	821.6	784.8	755.8	728.1	692.7	653.2	605.4	554.2	505.1	456.3	402.3
-70°	632.3	602.8	575.2	546.7	520.4	494.7	462.6	425.9	384.7	352.4	323.1
-72.5°	466.1	447.5	428.3	409.2	387.7	372.7	356.8	337.1	314.6	289.6	268.1
-75°	355.7	345.4	335.1	326.3	316.1	304.7	294.8	283.7	271.7	258.3	244.9
-77.5°	299.1	292.4	286.2	282.1	277.4	271.6	264.5	255.4	246.0	234.9	224.0
-80°	267.4	262.1	257.0	253.3	249.1	244.2	238.8	231.1	222.9	213.6	204.4
-82.5°	239.3	235.0	230.7	227.0	223.2	219.3	215.1	208.4	201.5	193.5	185.5
-85°	213.3	209.6	205.8	202.8	199.7	196.3	192.7	186.9	181.0	174.3	167.6
-87.5°	191.8	188.6	185.3	182.5	179.7	176.4	173.0	168.2	163.4	158.1	152.9
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0





REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	136.6	130.7	126.3	121.9	117.0	112.1	106.7	101.2	94.4	87.5	79.2
87.5°	2.0	2.0	2.3	2.5	2.5	2.4	2.4	2.4	2.5	2.7	2.9
85°	2.3	2.3	2.6	2.9	2.9	2.9	2.8	2.8	3.1	3.3	3.3
82.5°	2.9	2.8	2.8	2.9	3.2	3.4	3.3	3.2	3.6	3.9	3.8
80°	3.3	3.5	3.3	3.2	3.5	3.9	3.7	3.7	4.0	4.3	4.2
77.5°	4.0	4.1	3.9	3.8	3.8	4.0	4.1	4.1	4.4	4.7	4.7
75°	4.9	4.6	4.1	4.1	4.2	4.1	4.4	4.6	5.0	5.1	5.2
72.5°	4.9	4.9	4.5	4.4	5.0	5.2	5.1	5.2	5.7	5.9	5.8
70°	7.4	5.8	5.4	5.6	6.0	6.4	6.5	6.6	6.4	6.8	6.8
67.5°	11.9	9.8	8.2	7.1	7.2	7.6	7.8	8.2	8.2	7.8	7.9
65°	22.9	16.5	11.6	10.2	9.1	9.0	9.2	10.0	10.1	9.8	9.0
62.5°	32.8	25.5	19.5	14.7	12.2	12.2	10.9	12.1	12.1	12.0	10.9
60°	41.7	34.1	28.2	23.2	18.7	16.4	15.5	14.4	14.7	14.4	13.2
57.5°	42.1	41.5	38.8	32.8	28.7	23.9	21.4	19.5	17.7	17.5	15.6
55°	42.7	43.3	48.4	44.9	40.7	34.4	30.0	26.4	22.2	21.0	18.2
52.5°	51.1	52.5	56.6	59.3	56.2	47.5	42.9	33.9	30.5	24.9	21.8
50°	65.5	70.6	71.2	76.2	73.7	67.9	56.8	47.6	39.6	30.4	25.7
47.5°	102.2	106.9	97.8	100.3	95.7	91.5	78.1	64.2	49.5	39.6	29.8
45°	194.4	167.2	151.5	138.5	126.7	121.7	103.8	82.5	66.3	49.2	34.0
42.5°	315.1	274.3	242.6	184.3	177.5	157.2	134.7	110.5	84.5	59.3	41.0
40°	485.3	407.5	353.6	291.5	240.3	197.4	174.5	142.1	104.0	72.0	50.0
37.5°	645.6	546.2	477.7	402.2	319.3	263.1	218.3	176.0	127.1	89.8	59.3
35°	774.5	675.7	583.0	505.0	421.1	329.0	265.4	213.9	156.9	108.3	68.7
32.5°	891.3	786.4	681.2	593.4	502.3	393.3	320.2	251.5	186.9	127.5	78.6
30°	994.9	894.6	774.8	666.0	569.1	460.6	372.2	286.7	216.9	147.3	90.0
27.5°	1107.9	1006.7	869.7	744.9	628.0	519.1	413.6	319.3	246.9	167.3	105.0
25°	1214.1	1111.2	975.5	833.4	687.5	565.8	452.2	349.8	275.0	187.7	119.2
22.5°	1285.3	1199.3	1072.6	927.1	753.0	611.3	490.0	383.0	294.0	206.2	132.5
20°	1342.7	1276.6	1158.3	997.9	824.3	665.1	527.8	409.7	311.7	223.0	144.9
17.5°	1424.6	1339.1	1219.3	1057.5	889.7	719.3	564.2	434.8	327.9	238.0	156.4
15°	1625.9	1393.9	1278.4	1113.4	940.2	765.5	599.6	458.6	342.7	251.3	166.7
12.5°	1834.6	1447.1	1335.7	1161.9	977.4	805.1	633.6	480.8	355.9	264.8	175.9
10°	2030.6	1493.4	1389.0	1206.2	1009.7	838.4	665.7	505.0	375.6	278.7	184.2
7.5°	2196.3	1535.6	1439.2	1246.2	1039.0	868.4	698.0	535.3	395.4	291.5	191.5
5°	2336.2	1574.4	1487.8	1295.6	1073.6	896.1	726.6	563.4	414.1	303.0	197.9
2.5°	2431.5	1609.6	1531.6	1341.6	1103.9	919.1	751.0	588.9	431.1	313.0	203.1
0°	2494.7	1641.5	1568.8	1381.0	1129.4	937.7	771.6	611.4	446.2	321.4	207.4
-2.5°	2514.6	1674.8	1599.3	1414.5	1170.0	962.5	786.6	621.9	456.5	330.9	214.4
-5°	2500.4	1705.6	1624.1	1441.1	1204.1	982.3	797.7	629.0	464.5	338.4	220.3
-7.5°	2457.8	1740.2	1644.8	1461.0	1230.2	996.7	804.7	632.8	470.3	343.9	224.9
-10°	2384.9	1774.8	1661.4	1468.5	1234.3	1004.1	807.9	633.3	473.8	347.4	228.1
-12.5°	2293.2	1806.5	1671.7	1467.1	1229.4	1005.6	810.8	631.9	474.8	348.7	229.8
-15°	2175.9	1846.6	1684.9	1458.0	1218.5	1002.5	808.3	627.0	471.9	346.6	229.9
-17.5°	2022.3	1883.9	1693.3	1446.2	1203.6	994.8	800.1	617.7	466.3	341.0	227.9
-20°	2018.4	1900.1	1688.7	1423.7	1182.2	980.9	786.2	603.9	458.1	333.3	224.0



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2046.5	1893.4	1662.1	1393.7	1156.6	961.2	767.8	585.8	447.1	323.7	218.8
-25°	2062.0	1880.7	1625.0	1361.5	1130.3	936.1	746.2	566.8	433.5	312.0	212.1
-27.5°	2036.9	1842.9	1576.6	1318.6	1100.4	906.3	721.4	553.2	421.1	298.4	204.2
-30°	1993.8	1771.4	1517.3	1268.7	1061.7	871.9	692.0	536.8	407.5	287.3	194.8
-32.5°	1929.7	1694.6	1450.3	1220.8	1017.6	832.2	658.8	517.2	391.6	277.8	188.7
-35°	1828.6	1607.9	1378.5	1166.9	968.7	791.7	627.0	494.4	373.5	265.9	183.5
-37.5°	1719.3	1508.5	1312.2	1108.4	917.6	747.6	599.0	470.3	353.2	251.5	177.6
-40°	1605.0	1408.0	1226.8	1045.3	864.9	700.0	566.9	443.1	333.4	234.6	170.5
-42.5°	1485.0	1309.7	1138.5	971.7	807.5	659.9	531.0	411.6	309.8	222.0	162.2
-45°	1372.9	1206.7	1045.2	893.9	746.3	615.1	491.1	377.0	283.5	211.0	155.9
-47.5°	1254.8	1099.7	951.5	811.0	690.4	565.4	446.3	344.8	255.2	198.4	153.4
-50°	1133.3	990.9	856.0	735.9	625.5	510.1	399.5	310.0	238.3	183.7	150.4
-52.5°	1010.0	881.4	766.7	661.2	555.4	449.8	356.2	274.0	220.1	175.5	146.8
-55°	885.7	781.2	682.0	581.2	481.3	393.6	309.4	251.2	200.7	170.1	142.8
-57.5°	779.1	686.6	590.6	496.3	413.2	336.3	274.4	227.2	191.0	164.3	140.0
-60°	673.3	582.4	493.8	419.5	348.7	289.9	246.5	207.4	183.7	158.4	136.7
-62.5°	555.1	476.9	411.1	346.5	297.2	256.3	220.7	197.5	175.7	153.7	132.8
-65°	447.5	387.6	331.5	294.5	257.8	226.8	208.1	187.0	168.5	148.5	128.7
-67.5°	348.3	315.9	283.1	249.9	229.8	212.7	194.9	178.2	161.4	142.9	124.5
-70°	292.8	263.4	244.1	229.1	214.1	198.7	184.8	170.0	154.1	137.5	120.0
-72.5°	253.3	239.3	225.4	211.8	199.7	187.2	174.8	161.6	146.9	131.8	115.2
-75°	231.9	220.0	208.5	197.2	186.4	175.4	164.6	152.6	139.3	125.7	110.1
-77.5°	213.3	202.8	192.5	182.8	173.7	164.4	154.2	143.4	131.4	119.2	104.7
-80°	195.2	186.1	177.7	169.5	161.4	153.2	143.6	134.1	123.3	112.3	99.1
-82.5°	177.5	169.7	162.7	155.6	148.4	141.0	132.8	124.6	114.9	105.1	93.7
-85°	160.6	153.6	147.4	141.2	134.9	128.6	122.3	115.9	107.7	99.3	89.0
-87.5°	146.9	140.8	135.8	130.9	125.7	120.4	114.5	108.6	101.1	93.5	84.1
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	70.8	59.5	48.2	34.9	21.6	12.2	2.9
87.5°	3.2	3.2	3.2	3.2	3.1	3.1	2.9
85°	3.4	3.6	3.6	3.4	3.3	3.4	2.9
82.5°	3.7	3.9	3.9	3.7	3.4	3.6	2.9
80°	4.0	4.2	4.3	3.9	3.6	3.9	2.9
77.5°	4.6	4.6	4.6	4.2	3.8	4.1	2.9
75°	5.1	5.2	5.0	4.4	4.1	4.3	2.9
72.5°	5.7	5.8	5.5	4.7	4.3	4.6	2.9
70°	6.4	6.4	6.1	5.0	4.5	4.8	2.9
67.5°	7.6	7.0	6.7	5.6	4.8	5.1	2.9
65°	8.8	8.0	7.3	6.2	5.1	5.3	2.9
62.5°	10.2	9.3	8.0	6.8	5.5	5.6	2.9
60°	11.6	10.6	8.6	7.4	5.8	5.9	2.9
57.5°	13.8	12.0	9.9	8.0	6.5	6.1	2.9
55°	16.1	13.4	11.3	8.7	7.2	6.4	2.9
52.5°	18.4	15.0	12.7	9.3	7.9	6.7	2.9
50°	20.8	17.2	14.1	10.0	8.6	6.9	2.9
47.5°	23.4	19.5	15.6	10.7	9.3	7.2	2.9
45°	27.1	21.9	17.1	11.9	10.1	7.5	2.9
42.5°	30.8	24.4	18.6	13.0	10.8	7.7	2.9
40°	34.9	26.9	20.3	14.4	11.6	8.0	2.9
37.5°	39.3	29.5	22.3	16.1	12.4	8.3	2.9
35°	43.9	32.8	24.3	17.7	13.2	8.6	2.9
32.5°	49.6	36.4	26.3	19.3	14.0	8.8	2.9
30°	57.7	40.0	28.3	21.0	14.8	9.1	2.9
27.5°	65.8	43.6	30.9	22.6	15.6	9.4	2.9
25°	73.7	47.2	33.4	24.2	16.4	9.6	2.9
22.5°	81.4	50.8	36.0	25.8	17.2	9.9	2.9
20°	88.9	54.6	38.4	27.4	18.0	10.2	2.9
17.5°	95.8	58.1	40.8	28.9	18.8	10.4	2.9
15°	102.2	61.5	43.1	30.4	19.6	10.6	2.9
12.5°	108.1	64.7	45.4	31.9	20.3	10.9	2.9
10°	113.5	67.7	47.5	33.3	21.0	11.1	2.9
7.5°	118.4	70.5	49.5	34.7	21.7	11.3	2.9
5°	122.7	73.1	51.5	35.9	22.4	11.5	2.9
2.5°	126.5	75.5	53.3	37.2	23.0	11.6	2.9
0°	129.7	77.7	55.0	38.3	23.6	11.8	2.9
-2.5°	133.9	81.0	57.4	40.0	24.7	12.3	2.9
-5°	137.4	84.0	59.8	41.6	25.7	12.8	2.9
-7.5°	140.3	86.8	61.9	43.1	26.6	13.2	2.9
-10°	142.5	89.3	63.9	44.6	27.5	13.6	2.9
-12.5°	144.1	91.5	65.8	45.9	28.4	14.0	2.9
-15°	144.9	93.5	67.5	47.1	29.1	14.4	2.9
-17.5°	145.0	95.2	69.0	48.2	29.9	14.8	2.9
-20°	144.5	96.6	70.3	49.2	30.5	15.1	2.9



REPORT NUMBER: P731557 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-VHE

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	143.3	97.7	71.4	50.0	31.1	15.4	2.9
-25°	141.5	98.7	72.4	50.7	31.6	15.7	2.9
-27.5°	138.8	99.5	73.1	51.3	32.1	15.9	2.9
-30°	135.4	100.0	73.7	51.8	32.5	16.1	2.9
-32.5°	131.3	100.3	74.4	52.1	32.8	16.3	2.9
-35°	129.8	100.2	75.0	52.3	33.0	16.5	2.9
-37.5°	129.4	100.1	75.3	52.4	33.2	16.6	2.9
-40°	128.6	100.3	75.5	52.3	33.3	16.7	2.9
-42.5°	127.5	100.3	75.5	52.2	33.3	16.8	2.9
-45°	125.9	100.0	75.4	52.1	33.3	16.8	2.9
-47.5°	123.9	99.4	75.1	51.9	33.1	16.8	2.9
-50°	122.5	98.7	74.6	51.8	32.9	16.7	2.9
-52.5°	120.9	97.7	73.9	51.5	32.6	16.7	2.9
-55°	119.0	96.2	72.9	51.2	32.3	16.6	2.9
-57.5°	116.8	94.5	71.8	50.7	31.9	16.5	2.9
-60°	114.3	92.5	70.5	50.1	31.4	16.3	2.9
-62.5°	111.6	90.4	69.4	49.4	30.9	16.1	2.9
-65°	108.7	88.0	68.1	48.5	30.4	15.9	2.9
-67.5°	105.5	85.6	66.7	47.5	29.7	15.6	2.9
-70°	102.0	83.2	65.1	46.4	29.1	15.4	2.9
-72.5°	98.4	80.5	63.4	45.3	28.3	15.1	2.9
-75°	94.5	77.7	61.5	44.1	27.5	14.7	2.9
-77.5°	90.4	74.6	59.6	42.8	26.7	14.4	2.9
-80°	86.1	71.7	57.5	41.4	25.7	14.0	2.9
-82.5°	82.4	68.9	55.4	39.9	24.8	13.6	2.9
-85°	78.7	65.9	53.1	38.3	23.8	13.2	2.9
-87.5°	74.8	62.7	50.7	36.7	22.7	12.7	2.9
-90°	2.9	2.9	2.9	2.9	2.9	2.9	2.9

(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

