

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: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-3S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731581 (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-57-80-3S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

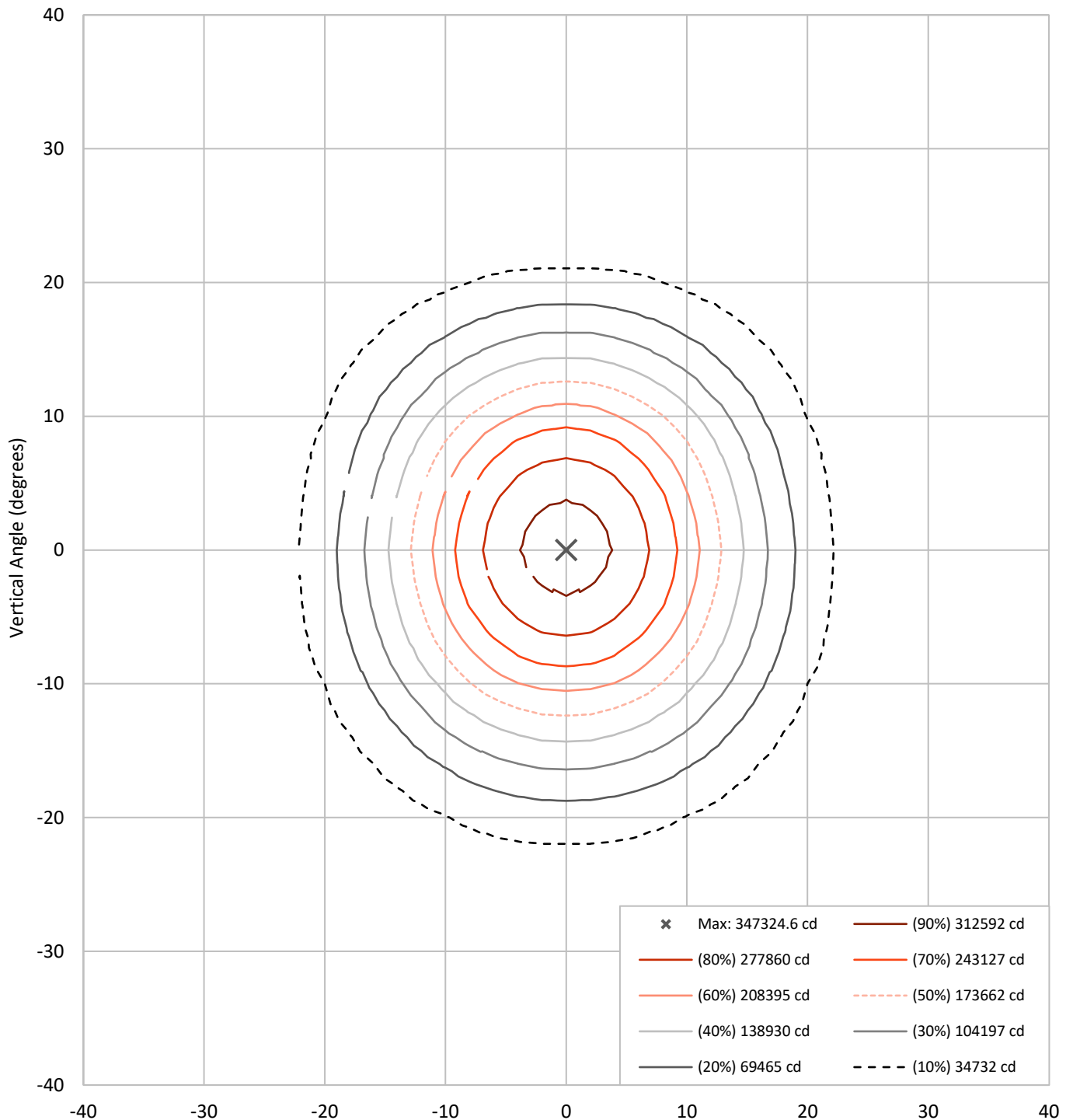
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	78033.5 lumens	Max Intensity:	347324.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	139.4 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:	37335.7 lumens	Field Lumens:	65421.5 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: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

Iso-Candela Plot





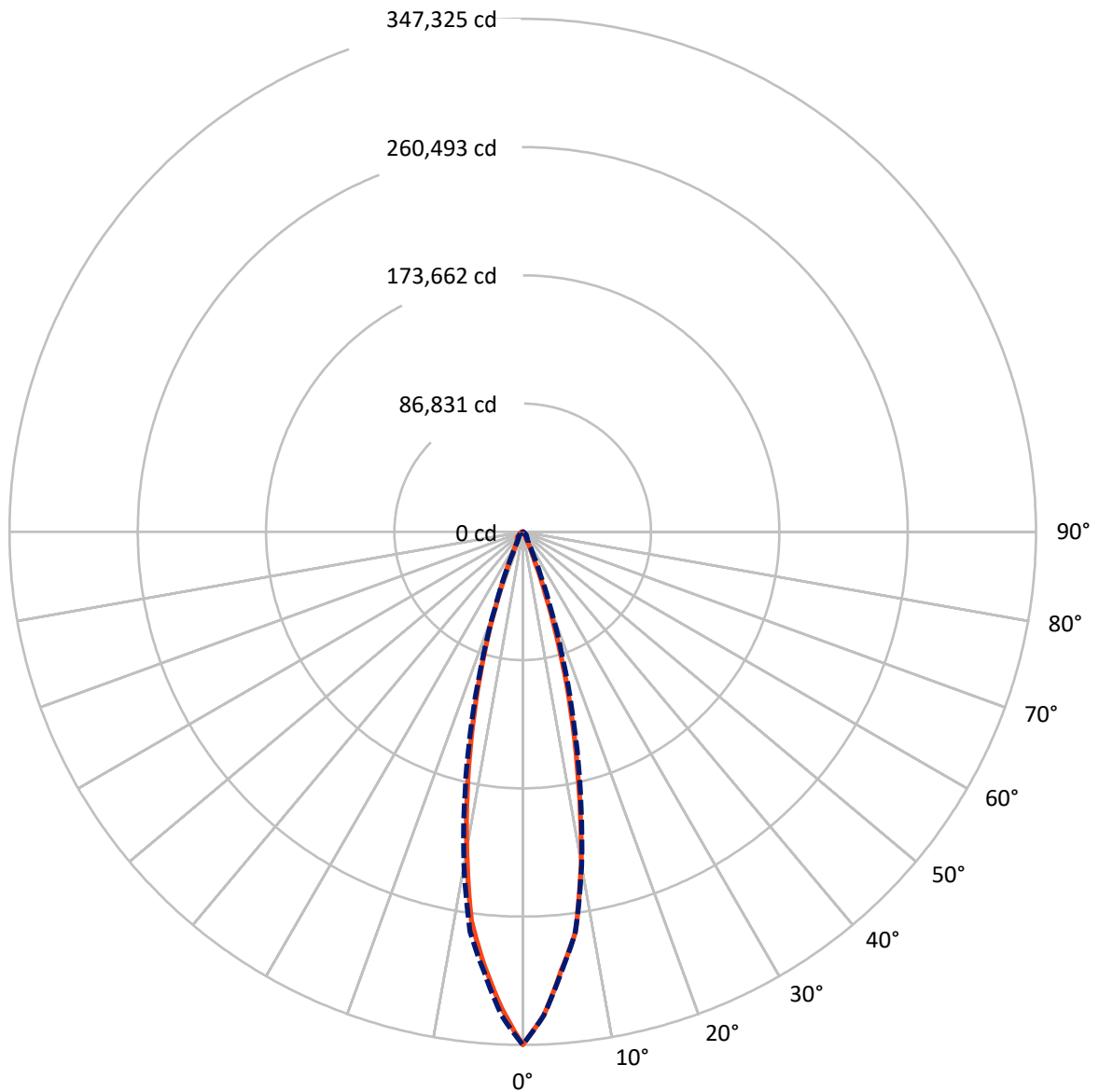
REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

Lumen Table

90	0.2		0.6		1.2		1.8		2.2		1.8		1.2		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	0.6	0.7	0.6	0.2	0.1	0.2	
70	0.2		0.4	0.7	1.0	0.9	0.9	1.1	1.3	1.3	1.1	0.9	0.9	1.0	0.7	0.4	0.2	
60	0.2		0.4	0.7	1.0	0.9	0.9	1.1	1.3	1.3	1.1	0.9	0.9	1.0	0.7	0.4	0.2	
50	0.7		1.1	2.6	5.4	10.1	17.2	24.5	27.8	27.8	24.5	17.2	10.1	5.4	2.6	1.1	0.7	
40	0.7		2.7	8.3	17.1	32.2	53.3	64.5	75.7	75.7	64.5	53.3	32.2	17.1	8.3	2.7	0.7	
30	1.8		4.5	13.9	30.6	68.4	88.0	190.1	415.8	415.8	190.1	88.0	68.4	30.6	13.9	4.5	1.8	
20	1.8		6.0	18.3	49.7	98.2	237.4	1430.2	3457.7	3457.7	1430.2	237.4	98.2	49.7	18.3	6.0	1.8	
10	2.6		7.2	21.2	63.3	119.0	527.0	3473.8	7912.3	7912.3	3473.8	527.0	119.0	63.3	21.2	7.2	2.6	
0	2.6		8.0	23.3	67.0	131.8	543.2	3494.8	7830.1	7830.1	3494.8	543.2	131.8	67.0	23.3	8.0	2.6	
-10	2.9		8.0	24.1	64.7	131.3	291.2	1491.3	3490.0	3490.0	1491.3	291.2	131.3	64.7	24.1	8.0	2.9	
-20	2.9		7.4	23.0	51.2	118.2	178.4	309.1	587.9	587.9	309.1	178.4	118.2	51.2	23.0	7.4	2.9	
-30	2.4		6.3	19.7	40.9	81.6	142.7	176.1	195.5	195.5	176.1	142.7	81.6	40.9	19.7	6.3	2.4	
-40	2.4		4.9	15.0	31.7	51.7	76.3	111.8	139.3	139.3	111.8	76.3	51.7	31.7	15.0	4.9	2.4	
-50	2.0		3.3	9.7	20.7	34.8	47.4	57.5	63.8	63.8	57.5	47.4	34.8	20.7	9.7	3.3	2.0	
-60	2.0		2.3	5.2	10.7	18.1	25.0	31.5	35.5	35.5	31.5	25.0	18.1	10.7	5.2	2.3	2.0	
-70	2.0		2.3	5.2	10.7	18.1	25.0	31.5	35.5	35.5	31.5	25.0	18.1	10.7	5.2	2.3	2.0	
-80	1.4		8.5		19.8		32.2		39.5		32.2		19.8		8.5		1.4	
-90	1.4		8.5		19.8		32.2		39.5		32.2		19.8		8.5		1.4	

REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

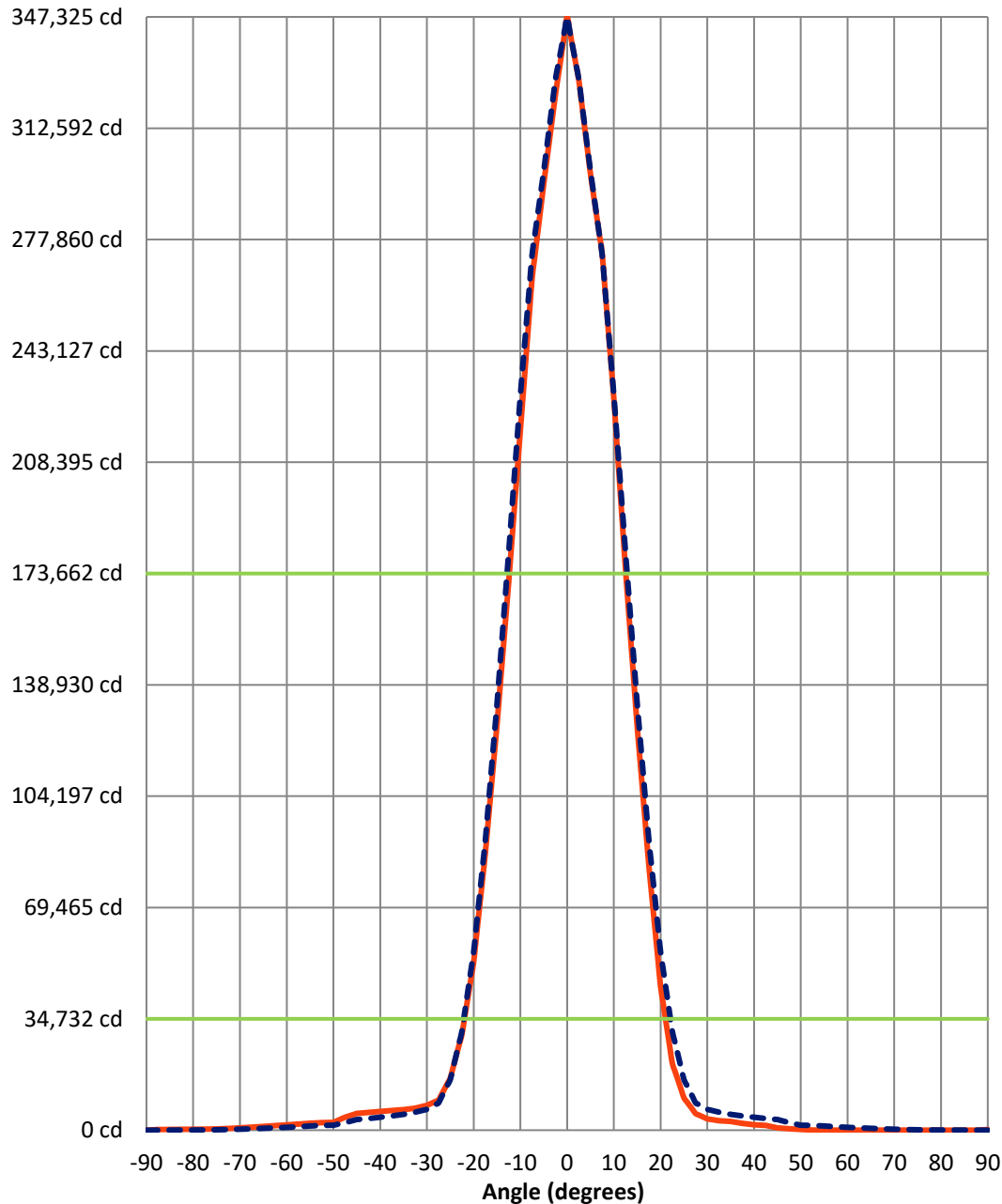
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

Luminous Intensity Plot



Beam:
 H Angle: 25.7°
 V Angle: 24.9°
 Lumens: 37335.7
 Efficiency: 47.8%

Field:
 H Angle: 44.2°
 V Angle: 43°
 Lumens: 65421.5
 Efficiency: 83.8%

Spill:
 Lumens: 12612
 Efficiency: 16.2%

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



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	2.8	11.6	20.5	33.0	45.6	56.2	66.9	74.9	82.8	89.3	95.8
87.5°	2.8	3.0	3.0	3.0	3.1	3.1	3.0	2.8	2.5	2.4	2.3
85°	2.8	3.2	3.1	3.3	3.4	3.4	3.3	3.2	3.1	2.9	2.7
82.5°	2.8	3.5	3.3	3.5	3.7	3.7	3.5	3.6	3.7	3.4	3.1
80°	2.8	3.7	3.5	3.7	4.0	4.0	3.8	4.0	4.0	3.8	3.5
77.5°	2.8	3.9	3.6	4.0	4.4	4.4	4.3	4.4	4.4	4.1	3.9
75°	2.8	4.1	3.8	4.2	4.7	4.9	4.9	4.9	4.8	4.7	4.4
72.5°	2.8	4.4	4.1	4.4	5.2	5.5	5.4	5.5	5.6	5.3	4.9
70°	2.8	4.6	4.3	4.7	5.7	6.0	6.0	6.4	6.4	6.1	6.2
67.5°	2.8	4.8	4.6	5.3	6.3	6.6	7.2	7.4	7.3	7.7	7.7
65°	2.8	5.1	4.8	5.8	6.9	7.5	8.4	8.5	9.3	9.5	9.4
62.5°	2.8	5.3	5.1	6.4	7.5	8.7	9.6	10.3	11.4	11.5	11.4
60°	2.8	5.6	5.5	7.0	8.1	10.0	11.0	12.5	13.6	13.9	13.6
57.5°	2.8	5.8	6.1	7.6	9.3	11.3	13.0	14.8	16.5	16.8	18.4
55°	2.8	6.1	6.8	8.2	10.6	12.7	15.2	17.2	19.9	20.9	25.0
52.5°	2.8	6.3	7.4	8.8	12.0	14.2	17.4	20.6	23.5	28.8	32.1
50°	2.8	6.6	8.1	9.4	13.3	16.3	19.6	24.3	28.7	37.5	45.1
47.5°	2.8	6.8	8.8	10.1	14.7	18.5	22.1	28.1	37.4	46.8	60.7
45°	2.8	7.1	9.5	11.2	16.2	20.7	25.6	32.1	46.6	62.7	78.0
42.5°	2.8	7.3	10.2	12.3	17.6	23.0	29.1	38.8	56.1	80.0	104.5
40°	2.8	7.6	11.0	13.7	19.3	25.4	33.0	47.3	68.1	98.3	134.4
37.5°	2.8	7.9	11.7	15.2	21.2	27.9	37.2	56.1	84.9	120.2	166.5
35°	2.8	8.1	12.5	16.8	23.1	31.0	41.5	65.0	102.5	148.4	202.3
32.5°	2.8	8.4	13.2	18.3	24.9	34.4	46.9	74.3	120.6	176.8	237.9
30°	2.8	8.6	14.0	19.9	26.8	37.8	54.6	85.2	139.3	205.2	271.2
27.5°	2.8	8.9	14.8	21.4	29.2	41.3	62.2	99.4	158.3	233.6	302.1
25°	2.8	9.1	15.5	22.9	31.7	44.6	69.7	112.8	177.5	260.1	330.9
22.5°	2.8	9.4	16.3	24.5	34.0	48.1	77.0	125.4	195.1	278.1	362.2
20°	2.8	9.6	17.0	26.0	36.4	51.6	84.1	137.1	211.0	294.8	387.5
17.5°	2.8	9.9	17.8	27.4	38.6	55.0	90.7	148.0	225.2	310.2	411.3
15°	2.8	10.1	18.5	28.8	40.8	58.2	96.7	157.8	237.8	324.2	433.8
12.5°	2.8	10.3	19.2	30.2	42.9	61.2	102.3	166.5	250.6	336.7	454.8
10°	2.8	10.5	19.9	31.6	45.0	64.0	107.4	174.3	263.7	355.3	477.7
7.5°	2.8	10.7	20.5	32.8	46.9	66.7	112.0	181.2	275.7	374.1	506.4
5°	2.8	10.9	21.2	34.1	48.7	69.2	116.1	187.2	286.6	391.7	533.0
2.5°	2.8	11.0	21.8	35.2	50.5	71.4	119.7	192.2	296.1	407.8	557.0
0°	2.8	11.2	22.3	36.3	52.1	73.5	122.7	196.2	304.0	422.1	578.3
-2.5°	2.8	11.7	23.3	37.9	54.4	76.6	126.6	202.9	313.0	431.8	588.2
-5°	2.8	12.1	24.2	39.4	56.6	79.5	130.0	208.4	320.1	439.4	595.0
-7.5°	2.8	12.5	25.2	40.9	58.6	82.1	132.7	212.7	325.4	444.9	598.6
-10°	2.8	12.9	26.0	42.2	60.5	84.5	134.8	215.8	328.6	448.2	599.0
-12.5°	2.8	13.3	26.8	43.5	62.3	86.6	136.3	217.4	329.9	449.2	597.7
-15°	2.8	13.7	27.6	44.6	63.9	88.5	137.0	217.5	327.9	446.4	593.1
-17.5°	2.8	14.0	28.2	45.6	65.3	90.1	137.1	215.5	322.6	441.1	584.4
-20°	2.8	14.3	28.9	46.5	66.5	91.4	136.6	211.9	315.3	433.3	571.3



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.8	14.6	29.4	47.3	67.6	92.5	135.6	206.9	306.2	423.0	554.2
-25°	2.8	14.8	29.9	48.0	68.5	93.4	133.8	200.6	295.2	410.1	536.2
-27.5°	2.8	15.1	30.4	48.6	69.2	94.1	131.3	193.1	282.2	398.4	523.3
-30°	2.8	15.3	30.7	49.0	69.7	94.6	128.1	184.2	271.8	385.5	507.8
-32.5°	2.8	15.5	31.0	49.3	70.4	94.8	124.2	178.5	262.8	370.4	489.2
-35°	2.8	15.6	31.2	49.5	70.9	94.8	122.8	173.5	251.5	353.3	467.6
-37.5°	2.8	15.7	31.4	49.6	71.3	94.7	122.4	168.0	237.9	334.2	444.8
-40°	2.8	15.8	31.5	49.5	71.4	94.9	121.7	161.3	221.9	315.5	419.1
-42.5°	2.8	15.9	31.5	49.4	71.5	94.8	120.6	153.4	210.0	293.1	389.4
-45°	2.8	15.9	31.5	49.3	71.4	94.6	119.1	147.4	199.6	268.2	356.6
-47.5°	2.8	15.9	31.3	49.1	71.1	94.1	117.1	145.1	187.7	241.4	326.1
-50°	2.8	15.9	31.1	49.0	70.6	93.4	115.8	142.2	173.7	225.4	293.2
-52.5°	2.8	15.8	30.9	48.8	69.9	92.5	114.4	138.8	166.0	208.2	259.2
-55°	2.8	15.7	30.5	48.4	69.0	91.1	112.6	135.0	160.9	189.8	237.6
-57.5°	2.8	15.6	30.1	48.0	67.9	89.4	110.5	132.4	155.3	180.6	214.9
-60°	2.8	15.4	29.6	47.4	66.7	87.6	108.1	129.2	149.7	173.8	196.1
-62.5°	2.8	15.3	29.2	46.7	65.7	85.5	105.6	125.6	145.3	166.2	186.8
-65°	2.8	15.1	28.7	45.9	64.5	83.3	102.8	121.7	140.4	159.4	176.8
-67.5°	2.8	14.8	28.1	45.0	63.1	81.0	99.7	117.7	135.2	152.7	168.5
-70°	2.8	14.6	27.5	43.9	61.6	78.7	96.5	113.5	130.1	145.7	160.8
-72.5°	2.8	14.3	26.8	42.9	60.0	76.2	93.1	109.0	124.6	138.9	152.9
-75°	2.8	14.0	26.0	41.7	58.1	73.5	89.4	104.1	119.0	131.8	144.4
-77.5°	2.8	13.6	25.2	40.5	56.3	70.6	85.5	99.0	112.7	124.3	135.6
-80°	2.8	13.3	24.4	39.2	54.4	67.8	81.4	93.7	106.2	116.6	126.8
-82.5°	2.8	12.9	23.5	37.8	52.4	65.1	77.9	88.6	99.4	108.7	117.9
-85°	2.8	12.5	22.5	36.3	50.2	62.3	74.4	84.1	94.0	101.9	109.7
-87.5°	2.8	12.1	21.5	34.7	48.0	59.3	70.7	79.5	88.5	95.6	102.8
-90°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.4	1.9	1.9	1.9



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	100.9	106.0	110.7	115.3	119.5	123.7	129.3	134.8	139.0	143.2	147.4
87.5°	2.3	2.3	2.4	2.4	2.2	1.9	1.9	1.9	1.8	1.7	1.7
85°	2.7	2.8	2.8	2.8	2.5	2.2	2.2	2.3	2.3	2.4	2.2
82.5°	3.1	3.2	3.1	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.5
80°	3.6	3.7	3.4	3.1	3.2	3.3	3.2	2.9	2.8	2.9	3.0
77.5°	3.9	3.8	3.6	3.6	3.7	3.9	3.8	3.8	3.8	3.6	3.7
75°	4.1	3.8	4.0	3.8	3.9	4.3	4.6	4.6	4.4	4.3	4.4
72.5°	4.8	4.9	4.7	4.2	4.2	4.6	4.6	4.6	5.7	7.6	9.2
70°	6.1	6.0	5.7	5.3	5.1	5.4	7.0	9.6	12.4	15.1	17.6
67.5°	7.3	7.2	6.8	6.7	7.7	9.3	11.3	17.8	24.6	27.0	27.4
65°	8.7	8.5	8.6	9.7	11.0	15.7	21.7	29.5	36.1	35.7	33.0
62.5°	10.3	11.5	11.6	13.9	18.5	24.1	31.0	37.8	43.6	40.8	34.0
60°	14.7	15.5	17.7	21.9	26.7	32.3	39.5	41.7	43.1	42.0	33.0
57.5°	20.3	22.7	27.1	31.1	36.7	39.2	39.8	39.4	41.9	40.2	31.1
55°	28.4	32.5	38.5	42.5	45.9	41.0	40.4	43.0	42.7	39.1	30.2
52.5°	40.5	44.9	53.2	56.2	53.5	49.7	48.3	50.7	48.8	43.9	38.1
50°	53.8	64.3	69.7	72.1	67.3	66.8	61.9	65.0	67.7	65.3	73.5
47.5°	73.9	86.5	90.5	94.8	92.5	101.1	96.7	112.7	113.9	160.6	174.6
45°	98.2	115.1	119.7	131.0	143.3	158.2	183.9	190.7	267.6	314.5	369.8
42.5°	127.4	148.7	167.9	174.3	229.6	259.6	298.1	369.6	441.2	500.0	541.3
40°	165.1	186.7	227.3	275.7	334.5	385.5	459.1	541.9	610.1	655.3	676.5
37.5°	206.5	248.9	302.1	380.5	451.9	516.7	610.7	693.6	754.1	795.8	801.2
35°	251.0	311.3	398.3	477.7	551.5	639.2	732.6	827.9	877.4	895.5	972.3
32.5°	303.0	372.0	475.1	561.3	644.4	743.9	843.2	925.4	969.2	1020.1	1280.2
30°	352.1	435.7	538.3	630.0	732.9	846.2	941.1	1018.7	1049.0	1316.2	1736.8
27.5°	391.3	491.1	594.0	704.6	822.7	952.3	1048.0	1098.4	1271.7	1667.0	2275.2
25°	427.8	535.2	650.3	788.3	922.7	1051.2	1148.5	1180.7	1541.1	2211.6	2664.9
22.5°	463.5	578.2	712.3	876.9	1014.6	1134.5	1215.9	1411.0	1927.4	2776.5	3011.9
20°	499.2	629.1	779.8	944.0	1095.8	1207.6	1270.2	1653.8	2396.5	2993.6	3258.4
17.5°	533.7	680.4	841.6	1000.3	1153.4	1266.8	1347.7	1858.7	2768.1	3188.4	3449.1
15°	567.2	724.2	889.4	1053.2	1209.3	1318.5	1538.1	2159.2	2998.9	3424.1	3699.4
12.5°	599.4	761.6	924.6	1099.1	1263.5	1368.9	1735.5	2523.4	3239.8	3656.2	3953.8
10°	629.7	793.0	955.2	1141.0	1313.9	1412.7	1920.9	2863.7	3460.2	3821.5	4091.2
7.5°	660.3	821.4	982.9	1178.9	1361.4	1452.6	2077.7	3049.9	3546.7	3930.6	4188.1
5°	687.3	847.6	1015.7	1225.6	1407.4	1489.3	2210.0	3175.2	3574.0	3985.1	4257.9
2.5°	710.5	869.4	1044.3	1269.1	1448.9	1522.6	2300.2	3270.7	3607.2	4023.9	4344.6
0°	729.9	887.0	1068.4	1306.4	1484.0	1552.8	2359.9	3322.2	3628.1	4041.0	4440.8
-2.5°	744.1	910.4	1106.8	1338.0	1512.8	1584.3	2378.7	3344.3	3658.6	4134.8	4656.7
-5°	754.6	929.2	1139.0	1363.2	1536.3	1613.4	2365.2	3323.7	3694.9	4221.4	4793.8
-7.5°	761.2	942.8	1163.8	1382.0	1555.9	1646.1	2324.9	3300.1	3808.9	4330.1	4862.9
-10°	764.3	949.8	1167.6	1389.1	1571.6	1678.9	2256.0	3220.0	3891.2	4371.6	4868.6
-12.5°	767.0	951.2	1163.0	1387.8	1581.4	1708.9	2169.3	3123.8	3967.1	4387.2	4833.3
-15°	764.6	948.3	1152.7	1379.2	1593.9	1746.8	2058.4	2945.3	4000.9	4370.8	4767.2
-17.5°	756.9	941.0	1138.5	1368.1	1601.8	1782.1	1913.0	2670.3	3819.0	4320.4	4716.7
-20°	743.7	927.9	1118.2	1346.8	1597.5	1797.4	1909.3	2469.0	3437.9	4221.2	4641.8



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	726.3	909.2	1094.1	1318.5	1572.3	1791.1	1936.0	2247.3	3006.1	4076.0	4528.8
-25°	705.9	885.5	1069.2	1288.0	1537.2	1779.1	1950.6	2043.0	2649.2	3583.8	4349.4
-27.5°	682.4	857.3	1040.9	1247.3	1491.4	1743.3	1926.8	2048.7	2359.0	3021.0	4076.9
-30°	654.6	824.8	1004.3	1200.1	1435.3	1675.7	1886.1	2041.2	2131.9	2636.9	3485.9
-32.5°	623.2	787.3	962.6	1154.9	1372.0	1603.0	1825.4	1993.2	2117.5	2282.8	2929.5
-35°	593.1	749.0	916.4	1103.9	1304.0	1521.1	1729.8	1927.8	2083.6	2190.2	2453.0
-37.5°	566.6	707.2	868.0	1048.6	1241.3	1427.0	1626.5	1830.5	2009.2	2156.5	2249.5
-40°	536.3	662.1	818.1	988.8	1160.5	1332.0	1518.2	1713.1	1909.9	2071.7	2213.5
-42.5°	502.3	624.2	763.9	919.2	1077.0	1239.0	1404.8	1589.4	1774.9	1959.3	2108.9
-45°	464.6	581.9	706.0	845.6	988.7	1141.6	1298.7	1458.2	1633.7	1807.7	1971.4
-47.5°	422.2	534.9	653.1	767.2	900.0	1040.3	1187.0	1337.5	1487.6	1647.5	1805.5
-50°	377.9	482.5	591.7	696.1	809.7	937.3	1072.1	1212.1	1353.8	1487.9	1627.0
-52.5°	336.9	425.5	525.4	625.5	725.2	833.7	955.5	1082.0	1213.1	1343.6	1461.3
-55°	292.6	372.3	455.3	549.7	645.1	739.0	837.8	952.3	1063.7	1183.7	1299.2
-57.5°	259.6	318.1	390.9	469.5	558.7	649.5	736.9	823.2	920.3	1020.7	1122.6
-60°	233.2	274.3	329.9	396.8	467.1	550.9	636.9	716.5	789.8	864.6	956.9
-62.5°	208.7	242.5	281.2	327.8	388.9	451.2	525.2	601.0	672.3	740.7	809.4
-65°	196.9	214.6	243.8	278.6	313.6	366.7	423.3	481.4	546.7	609.5	673.4
-67.5°	184.4	201.2	217.4	236.3	267.8	298.8	329.4	380.6	431.7	477.8	524.3
-70°	174.8	188.0	202.5	216.7	230.9	249.1	277.0	305.6	333.3	363.9	402.9
-72.5°	165.4	177.2	188.9	200.3	213.2	226.3	239.6	253.6	273.9	297.6	318.9
-75°	155.7	166.0	176.3	186.6	197.2	208.1	219.4	231.7	244.3	257.0	268.3
-77.5°	145.9	155.5	164.3	173.0	182.1	191.8	201.8	211.9	222.3	232.7	241.6
-80°	135.9	145.0	152.7	160.3	168.1	176.0	184.6	193.4	202.1	210.9	218.6
-82.5°	125.6	133.4	140.3	147.1	153.8	160.5	167.9	175.5	183.1	190.6	197.1
-85°	115.7	121.6	127.6	133.6	139.4	145.2	151.9	158.5	164.9	171.2	176.8
-87.5°	108.4	113.9	118.9	123.8	128.5	133.2	138.9	144.6	149.6	154.6	159.1
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.4	0.9	0.9



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	151.6	154.4	157.1	159.5	161.8	165.1	168.3	173.0	177.6	183.2	188.8
87.5°	1.7	1.7	1.8	1.3	0.9	0.9	0.9	0.9	0.9	1.4	1.9
85°	1.9	1.9	1.9	2.1	2.4	2.5	2.6	2.6	2.7	2.7	2.8
82.5°	2.3	2.4	2.4	2.6	2.8	2.8	2.8	2.8	2.8	3.2	3.6
80°	3.0	3.1	3.2	3.3	3.4	3.2	2.8	2.8	2.8	3.2	3.7
77.5°	3.8	3.8	3.7	3.6	3.3	3.0	2.8	2.8	2.8	2.8	2.9
75°	4.5	4.6	4.9	5.2	5.7	5.7	5.4	5.5	5.7	5.6	5.4
72.5°	10.2	10.5	10.5	11.7	12.9	13.3	13.6	14.6	15.6	17.1	18.7
70°	20.0	22.0	22.9	22.9	22.0	21.4	21.0	20.9	21.3	22.2	23.5
67.5°	28.8	29.7	29.3	28.9	27.2	25.1	22.8	21.5	22.0	23.1	24.5
65°	32.5	29.9	28.2	27.5	25.9	23.3	19.7	17.3	16.8	16.4	16.3
62.5°	29.3	24.7	22.5	21.3	19.0	16.9	13.5	11.0	10.0	9.4	9.3
60°	25.5	19.8	16.3	14.7	12.3	9.5	7.8	6.0	5.4	5.0	5.1
57.5°	22.2	16.4	12.3	11.6	9.4	7.4	5.9	4.4	3.9	3.7	3.8
55°	22.8	19.9	16.7	15.0	12.4	11.3	9.9	9.0	8.2	8.4	8.9
52.5°	32.3	34.7	30.5	29.4	36.6	36.7	30.3	40.1	46.2	50.8	52.1
50°	83.3	82.7	109.9	105.3	130.4	150.9	151.8	164.2	188.0	204.3	213.1
47.5°	221.1	245.9	277.6	310.9	336.9	369.4	402.3	426.8	432.8	433.5	437.8
45°	416.2	451.7	499.3	534.4	583.6	613.9	639.1	661.9	714.6	763.1	819.7
42.5°	581.3	620.0	669.4	740.5	792.3	930.7	1142.5	1194.5	1202.1	1245.2	1307.8
40°	711.5	762.3	872.1	1027.8	1359.5	1657.0	1710.7	1755.3	1775.0	1751.1	1793.7
37.5°	869.2	988.2	1235.4	1661.1	1818.4	1899.4	1956.4	1990.6	2032.2	2070.6	2091.5
35°	1131.1	1462.6	1679.3	1906.6	2009.5	2050.6	2092.4	2134.6	2167.2	2209.8	2243.8
32.5°	1668.5	2037.7	2059.4	2115.6	2169.2	2222.6	2261.7	2301.8	2336.7	2391.8	2507.4
30°	2209.9	2290.4	2310.1	2315.2	2364.1	2428.1	2462.0	2543.1	2652.5	2778.1	3045.2
27.5°	2498.1	2553.5	2565.1	2570.6	2593.3	2669.0	2809.3	2920.0	3182.7	3501.5	4188.0
25°	2849.1	2888.5	2930.2	2928.4	2963.1	3097.1	3371.4	3605.1	4492.6	5323.1	7112.4
22.5°	3183.9	3303.1	3362.4	3441.9	3559.4	3803.4	4284.6	5636.6	7897.0	10781.6	14372.7
20°	3416.6	3576.9	3736.5	3958.5	4242.4	4748.8	6252.3	10297.8	15129.1	22139.4	28019.3
17.5°	3651.3	3832.4	4114.8	4457.1	4934.1	6634.1	11042.1	17911.3	27832.7	40278.4	51198.2
15°	3957.4	4172.2	4550.4	5039.2	6371.9	10000.7	17354.0	29853.1	44935.6	62430.7	80782.9
12.5°	4165.8	4461.8	4911.5	5542.7	7730.2	14526.5	26366.1	43500.9	64259.6	86303.9	115557.7
10°	4319.9	4673.8	5284.5	6593.2	10559.8	19522.1	33749.6	55133.6	83593.0	117190.2	150636.0
7.5°	4449.2	4925.9	5692.6	7341.7	13001.2	24300.4	42436.0	68427.4	102099.7	142582.6	181477.2
5°	4565.4	5197.5	6085.3	8148.3	15188.7	27760.1	48212.8	78355.4	117348.3	161562.3	204504.7
2.5°	4719.1	5451.7	6340.0	8370.4	16064.3	29677.0	52790.0	86372.0	128235.6	174745.8	221467.2
0°	4932.7	5617.0	6495.7	8512.4	15791.9	30878.1	55595.3	90395.3	133006.8	180283.0	229285.9
-2.5°	5100.6	5712.2	6586.4	8398.0	15658.7	30313.3	54329.3	88050.1	128335.6	174018.3	222899.3
-5°	5209.0	5780.6	6626.2	8440.8	15322.8	28154.2	50589.8	81905.3	118823.5	160060.8	205261.0
-7.5°	5272.5	5805.6	6584.9	8171.7	13796.6	25213.0	43933.9	70579.1	103697.7	141856.4	179211.4
-10°	5310.5	5789.4	6498.6	7790.8	11604.9	20490.1	34684.8	57267.2	85962.7	116710.5	147265.5
-12.5°	5324.8	5755.2	6377.0	7245.5	9304.4	16041.2	27610.4	43637.2	64938.0	90160.6	117084.7
-15°	5296.9	5705.5	6259.6	7011.5	8381.3	12025.3	19266.0	30166.2	46043.1	65300.5	84811.0
-17.5°	5192.8	5654.2	6085.6	6662.9	7469.1	9187.6	13594.6	20590.9	30273.0	43002.0	54258.5
-20°	5054.9	5557.4	5926.7	6436.9	7070.0	7856.5	9269.8	13539.7	18968.8	26338.0	33684.8



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4932.3	5391.9	5856.3	6206.5	6702.3	7219.3	7857.5	9079.0	11807.0	15486.2	20143.5
-25°	4819.0	5239.8	5716.3	6095.1	6374.8	6740.2	7140.0	7568.0	8494.6	9363.5	11610.3
-27.5°	4659.6	5095.5	5508.7	5913.1	6182.6	6348.4	6620.9	6886.8	7274.8	7620.0	8279.9
-30°	4474.2	4900.6	5293.9	5661.2	5937.3	6111.8	6246.8	6429.7	6635.1	6844.0	7127.6
-32.5°	3813.4	4671.7	5037.8	5369.4	5654.2	5859.3	6002.4	6122.5	6241.0	6374.8	6524.2
-35°	3089.4	3937.2	4763.3	5021.8	5291.0	5562.5	5774.6	5887.9	5991.2	6084.8	6176.2
-37.5°	2511.8	3110.0	3851.4	4556.0	4883.1	5157.3	5412.2	5610.2	5754.8	5842.6	5924.9
-40°	2285.8	2437.3	3007.5	3587.8	4145.7	4652.3	4911.6	5204.3	5442.2	5571.2	5660.6
-42.5°	2231.7	2301.3	2354.5	2722.1	3166.0	3593.2	4065.9	4535.1	4903.4	5148.9	5331.4
-45°	2113.3	2213.5	2292.9	2325.7	2345.8	2657.2	3023.2	3381.6	3795.1	4222.3	4610.1
-47.5°	1945.6	2075.8	2165.5	2235.7	2277.7	2290.9	2316.6	2397.0	2697.2	3012.9	3313.5
-50°	1758.5	1877.9	1985.4	2083.0	2141.1	2188.2	2233.3	2276.5	2313.2	2359.3	2401.0
-52.5°	1570.1	1679.5	1776.1	1861.9	1938.8	2013.2	2084.7	2138.1	2190.3	2246.2	2291.8
-55°	1402.3	1491.0	1571.9	1647.2	1716.7	1779.5	1844.1	1913.1	1984.5	2054.4	2108.6
-57.5°	1222.9	1307.8	1384.4	1448.2	1504.1	1551.0	1610.3	1675.0	1742.2	1804.4	1851.7
-60°	1042.0	1117.0	1187.2	1249.0	1302.0	1345.6	1400.4	1455.2	1515.1	1568.4	1610.4
-62.5°	870.2	933.4	993.0	1047.0	1095.3	1139.5	1188.2	1237.1	1293.3	1342.9	1383.1
-65°	727.4	776.4	817.2	855.5	885.3	923.6	970.7	1015.8	1064.8	1107.7	1143.5
-67.5°	572.7	617.9	655.3	688.7	714.9	742.3	777.2	813.1	851.1	885.2	915.3
-70°	437.6	468.0	492.3	517.2	544.1	570.2	598.1	628.9	660.8	688.9	713.7
-72.5°	337.5	352.6	366.8	387.1	405.1	423.3	440.9	463.0	486.6	508.0	527.4
-75°	278.9	288.2	299.0	308.7	317.0	326.7	336.4	350.8	366.3	381.0	394.8
-77.5°	250.3	257.0	262.4	266.9	270.8	276.6	282.9	293.6	305.0	317.4	329.9
-80°	225.9	231.0	235.6	239.6	243.1	248.0	252.9	262.3	272.1	282.6	293.1
-82.5°	203.4	207.5	211.2	214.7	218.2	222.3	226.4	234.6	243.1	251.8	260.5
-85°	182.2	185.7	189.0	191.9	194.7	198.3	201.8	208.8	215.9	223.3	230.6
-87.5°	163.7	166.8	170.0	172.6	175.3	178.3	181.3	187.5	193.7	199.9	206.1
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	189.3	189.7	190.2	190.6	190.2	189.7	189.3	188.8	183.2	177.6	173.0
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.4	0.9	0.9
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6
82.5°	3.2	2.8	3.2	3.7	3.2	2.8	3.2	3.6	3.2	2.8	2.8
80°	3.3	2.8	3.2	3.7	3.2	2.8	3.3	3.7	3.2	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8	2.8	2.8
75°	4.6	3.7	3.3	2.8	3.3	3.7	4.6	5.4	5.6	5.7	5.5
72.5°	19.1	19.1	19.4	19.5	19.4	19.1	19.1	18.7	17.1	15.6	14.6
70°	24.2	24.9	25.1	25.1	25.1	24.9	24.2	23.5	22.2	21.3	20.9
67.5°	24.7	24.3	23.8	23.2	23.8	24.3	24.7	24.5	23.1	22.0	21.5
65°	15.5	14.4	12.8	11.2	12.8	14.4	15.5	16.3	16.4	16.8	17.3
62.5°	9.0	8.7	8.4	8.4	8.4	8.7	9.0	9.3	9.4	10.0	11.0
60°	5.3	5.6	5.6	5.6	5.6	5.6	5.3	5.1	5.0	5.4	6.0
57.5°	4.0	4.5	5.0	5.6	5.0	4.5	4.0	3.8	3.7	3.9	4.4
55°	9.5	10.6	11.1	11.2	11.1	10.6	9.5	8.9	8.4	8.2	9.0
52.5°	50.3	47.7	45.4	43.7	45.4	47.7	50.3	52.1	50.8	46.2	40.1
50°	217.1	222.7	225.3	225.0	225.3	222.7	217.1	213.1	204.3	188.0	164.2
47.5°	447.0	450.2	447.6	440.7	447.6	450.2	447.0	437.8	433.5	432.8	426.8
45°	888.7	850.2	781.9	721.5	781.9	850.2	888.7	819.7	763.1	714.6	661.9
42.5°	1391.2	1437.3	1471.8	1487.7	1471.8	1437.3	1391.2	1307.8	1245.2	1202.1	1194.5
40°	1745.8	1696.6	1686.6	1694.1	1686.6	1696.6	1745.8	1793.7	1751.1	1775.0	1755.3
37.5°	2096.8	2141.5	2174.7	2120.9	2174.7	2141.5	2096.8	2091.5	2070.6	2032.2	1990.6
35°	2322.9	2482.0	2668.8	2725.3	2668.8	2482.0	2322.9	2243.8	2209.8	2167.2	2134.6
32.5°	2701.0	2868.9	2941.7	2959.6	2941.7	2868.9	2701.0	2507.4	2391.8	2336.7	2301.8
30°	3302.6	3470.4	3500.5	3524.9	3500.5	3470.4	3302.6	3045.2	2778.1	2652.5	2543.1
27.5°	4643.6	5019.0	5108.0	5170.7	5108.0	5019.0	4643.6	4188.0	3501.5	3182.7	2920.0
25°	8525.0	9501.4	10139.1	10077.3	10139.1	9501.4	8525.0	7112.4	5323.1	4492.6	3605.1
22.5°	17970.8	19887.4	20910.1	20891.9	20910.1	19887.4	17970.8	14372.7	10781.6	7897.0	5636.6
20°	36396.3	42067.3	45136.8	44787.2	45136.8	42067.3	36396.3	28019.3	22139.4	15129.1	10297.8
17.5°	63463.5	74416.6	82068.7	82382.2	82068.7	74416.6	63463.5	51198.2	40278.4	27832.7	17911.3
15°	98133.5	114385.2	125858.0	125856.5	125858.0	114385.2	98133.5	80782.9	62430.7	44935.6	29853.1
12.5°	140328.8	159754.9	172881.6	174850.2	172881.6	159754.9	140328.8	115557.7	86303.9	64259.6	43500.9
10°	180825.2	202829.2	222673.8	228137.6	222673.8	202829.2	180825.2	150636.0	117190.2	83593.0	55133.6
7.5°	215102.1	249716.2	267792.6	273486.0	267792.6	249716.2	215102.1	181477.2	142582.6	102099.7	68427.4
5°	248747.0	278708.5	293885.2	298278.9	293885.2	278708.5	248747.0	204504.7	161562.3	117348.3	78355.4
2.5°	266445.4	293946.9	315278.1	327648.9	315278.1	293946.9	266445.4	221467.2	174745.8	128235.6	86372.0
0°	273104.3	299232.9	327839.9	347324.6	327839.9	299232.9	273104.3	229285.9	180283.0	133006.8	90395.3
-2.5°	266443.9	291726.6	312808.1	323071.9	312808.1	291726.6	266443.9	222899.3	174018.3	128335.6	88050.1
-5°	246254.3	275992.4	291341.4	295227.3	291341.4	275992.4	246254.3	205261.0	160060.8	118823.5	81905.3
-7.5°	214008.6	242609.1	261428.0	265666.7	261428.0	242609.1	214008.6	179211.4	141856.4	103697.7	70579.1
-10°	178109.7	202539.3	215235.2	218374.6	215235.2	202539.3	178109.7	147265.5	116710.5	85962.7	57267.2
-12.5°	138395.2	156310.8	169270.5	171029.6	169270.5	156310.8	138395.2	117084.7	90160.6	64938.0	43637.2
-15°	103013.9	114862.3	125310.5	126511.1	125310.5	114862.3	103013.9	84811.0	65300.5	46043.1	30166.2
-17.5°	69014.0	78823.4	84669.5	86356.2	84669.5	78823.4	69014.0	54258.5	43002.0	30273.0	20590.9
-20°	41350.8	48370.2	52266.1	52412.5	52266.1	48370.2	41350.8	33684.8	26338.0	18968.8	13539.7



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	23989.7	27895.4	29956.7	29916.7	29956.7	27895.4	23989.7	20143.5	15486.2	11807.0	9079.0
-25°	13835.3	15545.4	16227.9	16252.2	16227.9	15545.4	13835.3	11610.3	9363.5	8494.6	7568.0
-27.5°	8809.5	9202.2	9359.3	9384.6	9359.3	9202.2	8809.5	8279.9	7620.0	7274.8	6886.8
-30°	7386.1	7615.7	7721.3	7750.9	7721.3	7615.7	7386.1	7127.6	6844.0	6635.1	6429.7
-32.5°	6664.5	6791.0	6876.4	6863.9	6876.4	6791.0	6664.5	6524.2	6374.8	6241.0	6122.5
-35°	6265.5	6343.8	6391.8	6414.8	6391.8	6343.8	6265.5	6176.2	6084.8	5991.2	5887.9
-37.5°	6006.9	6076.9	6122.2	6135.8	6122.2	6076.9	6006.9	5924.9	5842.6	5754.8	5610.2
-40°	5737.6	5795.9	5833.2	5846.7	5833.2	5795.9	5737.6	5660.6	5571.2	5442.2	5204.3
-42.5°	5447.1	5509.8	5539.5	5539.8	5539.5	5509.8	5447.1	5331.4	5148.9	4903.4	4535.1
-45°	4928.2	5120.9	5217.4	5221.8	5217.4	5120.9	4928.2	4610.1	4222.3	3795.1	3381.6
-47.5°	3586.9	3777.3	3930.4	4043.8	3930.4	3777.3	3586.9	3313.5	3012.9	2697.2	2397.0
-50°	2437.4	2450.0	2450.8	2439.8	2450.8	2450.0	2437.4	2401.0	2359.3	2313.2	2276.5
-52.5°	2327.4	2340.4	2349.9	2355.2	2349.9	2340.4	2327.4	2291.8	2246.2	2190.3	2138.1
-55°	2148.7	2165.2	2171.9	2169.3	2171.9	2165.2	2148.7	2108.6	2054.4	1984.5	1913.1
-57.5°	1883.4	1894.2	1899.2	1897.7	1899.2	1894.2	1883.4	1851.7	1804.4	1742.2	1675.0
-60°	1636.2	1644.2	1648.9	1648.6	1648.9	1644.2	1636.2	1610.4	1568.4	1515.1	1455.2
-62.5°	1405.7	1412.9	1418.2	1418.9	1418.2	1412.9	1405.7	1383.1	1342.9	1293.3	1237.1
-65°	1161.5	1166.9	1170.4	1169.7	1170.4	1166.9	1161.5	1143.5	1107.7	1064.8	1015.8
-67.5°	928.4	932.3	935.5	935.4	935.5	932.3	928.4	915.3	885.2	851.1	813.1
-70°	721.5	721.9	723.4	722.5	723.4	721.9	721.5	713.7	688.9	660.8	628.9
-72.5°	531.8	531.3	531.0	529.1	531.0	531.3	531.8	527.4	508.0	486.6	463.0
-75°	396.2	394.8	393.5	391.5	393.5	394.8	396.2	394.8	381.0	366.3	350.8
-77.5°	331.3	331.2	329.0	326.4	329.0	331.2	331.3	329.9	317.4	305.0	293.6
-80°	293.7	293.3	292.3	291.0	292.3	293.3	293.7	293.1	282.6	272.1	262.3
-82.5°	261.4	261.9	261.7	261.3	261.7	261.9	261.4	260.5	251.8	243.1	234.6
-85°	231.6	232.3	232.0	231.5	232.0	232.3	231.6	230.6	223.3	215.9	208.8
-87.5°	206.7	207.2	207.3	207.3	207.3	207.2	206.7	206.1	199.9	193.7	187.5
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	168.3	165.1	161.8	159.5	157.1	154.4	151.6	147.4	143.2	139.0	134.8
87.5°	0.9	0.9	0.9	1.3	1.8	1.7	1.7	1.7	1.7	1.8	1.9
85°	2.6	2.5	2.4	2.1	1.9	1.9	1.9	2.2	2.4	2.3	2.3
82.5°	2.8	2.8	2.8	2.6	2.4	2.4	2.3	2.5	2.8	2.8	2.8
80°	2.8	3.2	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.8	2.9
77.5°	2.8	3.0	3.3	3.6	3.7	3.8	3.8	3.7	3.6	3.8	3.8
75°	5.4	5.7	5.7	5.2	4.9	4.6	4.5	4.4	4.3	4.4	4.6
72.5°	13.6	13.3	12.9	11.7	10.5	10.5	10.2	9.2	7.6	5.7	4.6
70°	21.0	21.4	22.0	22.9	22.9	22.0	20.0	17.6	15.1	12.4	9.6
67.5°	22.8	25.1	27.2	28.9	29.3	29.7	28.8	27.4	27.0	24.6	17.8
65°	19.7	23.3	25.9	27.5	28.2	29.9	32.5	33.0	35.7	36.1	29.5
62.5°	13.5	16.9	19.0	21.3	22.5	24.7	29.3	34.0	40.8	43.6	37.8
60°	7.8	9.5	12.3	14.7	16.3	19.8	25.5	33.0	42.0	43.1	41.7
57.5°	5.9	7.4	9.4	11.6	12.3	16.4	22.2	31.1	40.2	41.9	39.4
55°	9.9	11.3	12.4	15.0	16.7	19.9	22.8	30.2	39.1	42.7	43.0
52.5°	30.3	36.7	36.6	29.4	30.5	34.7	32.3	38.1	43.9	48.8	50.7
50°	151.8	150.9	130.4	105.3	109.9	82.7	83.3	73.5	65.3	67.7	65.0
47.5°	402.3	369.4	336.9	310.9	277.6	245.9	221.1	174.6	160.6	113.9	112.7
45°	639.1	613.9	583.6	534.4	499.3	451.7	416.2	369.8	314.5	267.6	190.7
42.5°	1142.5	930.7	792.3	740.5	669.4	620.0	581.3	541.3	500.0	441.2	369.6
40°	1710.7	1657.0	1359.5	1027.8	872.1	762.3	711.5	676.5	655.3	610.1	541.9
37.5°	1956.4	1899.4	1818.4	1661.1	1235.4	988.2	869.2	801.2	795.8	754.1	693.6
35°	2092.4	2050.6	2009.5	1906.6	1679.3	1462.6	1131.1	972.3	895.5	877.4	827.9
32.5°	2261.7	2222.6	2169.2	2115.6	2059.4	2037.7	1668.5	1280.2	1020.1	969.2	925.4
30°	2462.0	2428.1	2364.1	2315.2	2310.1	2290.4	2209.9	1736.8	1316.2	1049.0	1018.7
27.5°	2809.3	2669.0	2593.3	2570.6	2565.1	2553.5	2498.1	2275.2	1667.0	1271.7	1098.4
25°	3371.4	3097.1	2963.1	2928.4	2930.2	2888.5	2849.1	2664.9	2211.6	1541.1	1180.7
22.5°	4284.6	3803.4	3559.4	3441.9	3362.4	3303.1	3183.9	3011.9	2776.5	1927.4	1411.0
20°	6252.3	4748.8	4242.4	3958.5	3736.5	3576.9	3416.6	3258.4	2993.6	2396.5	1653.8
17.5°	11042.1	6634.1	4934.1	4457.1	4114.8	3832.4	3651.3	3449.1	3188.4	2768.1	1858.7
15°	17354.0	10000.7	6371.9	5039.2	4550.4	4172.2	3957.4	3699.4	3424.1	2998.9	2159.2
12.5°	26366.1	14526.5	7730.2	5542.7	4911.5	4461.8	4165.8	3953.8	3656.2	3239.8	2523.4
10°	33749.6	19522.1	10559.8	6593.2	5284.5	4673.8	4319.9	4091.2	3821.5	3460.2	2863.7
7.5°	42436.0	24300.4	13001.2	7341.7	5692.6	4925.9	4449.2	4188.1	3930.6	3546.7	3049.9
5°	48212.8	27760.1	15188.7	8148.3	6085.3	5197.5	4565.4	4257.9	3985.1	3574.0	3175.2
2.5°	52790.0	29677.0	16064.3	8370.4	6340.0	5451.7	4719.1	4344.6	4023.9	3607.2	3270.7
0°	55595.3	30878.1	15791.9	8512.4	6495.7	5617.0	4932.7	4440.8	4041.0	3628.1	3322.2
-2.5°	54329.3	30313.3	15658.7	8398.0	6586.4	5712.2	5100.6	4656.7	4134.8	3658.6	3344.3
-5°	50589.8	28154.2	15322.8	8440.8	6626.2	5780.6	5209.0	4793.8	4221.4	3694.9	3323.7
-7.5°	43933.9	25213.0	13796.6	8171.7	6584.9	5805.6	5272.5	4862.9	4330.1	3808.9	3300.1
-10°	34684.8	20490.1	11604.9	7790.8	6498.6	5789.4	5310.5	4868.6	4371.6	3891.2	3220.0
-12.5°	27610.4	16041.2	9304.4	7245.5	6377.0	5755.2	5324.8	4833.3	4387.2	3967.1	3123.8
-15°	19266.0	12025.3	8381.3	7011.5	6259.6	5705.5	5296.9	4767.2	4370.8	4000.9	2945.3
-17.5°	13594.6	9187.6	7469.1	6662.9	6085.6	5654.2	5192.8	4716.7	4320.4	3819.0	2670.3
-20°	9269.8	7856.5	7070.0	6436.9	5926.7	5557.4	5054.9	4641.8	4221.2	3437.9	2469.0



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7857.5	7219.3	6702.3	6206.5	5856.3	5391.9	4932.3	4528.8	4076.0	3006.1	2247.3
-25°	7140.0	6740.2	6374.8	6095.1	5716.3	5239.8	4819.0	4349.4	3583.8	2649.2	2043.0
-27.5°	6620.9	6348.4	6182.6	5913.1	5508.7	5095.5	4659.6	4076.9	3021.0	2359.0	2048.7
-30°	6246.8	6111.8	5937.3	5661.2	5293.9	4900.6	4474.2	3485.9	2636.9	2131.9	2041.2
-32.5°	6002.4	5859.3	5654.2	5369.4	5037.8	4671.7	3813.4	2929.5	2282.8	2117.5	1993.2
-35°	5774.6	5562.5	5291.0	5021.8	4763.3	3937.2	3089.4	2453.0	2190.2	2083.6	1927.8
-37.5°	5412.2	5157.3	4883.1	4556.0	3851.4	3110.0	2511.8	2249.5	2156.5	2009.2	1830.5
-40°	4911.6	4652.3	4145.7	3587.8	3007.5	2437.3	2285.8	2213.5	2071.7	1909.9	1713.1
-42.5°	4065.9	3593.2	3166.0	2722.1	2354.5	2301.3	2231.7	2108.9	1959.3	1774.9	1589.4
-45°	3023.2	2657.2	2345.8	2325.7	2292.9	2213.5	2113.3	1971.4	1807.7	1633.7	1458.2
-47.5°	2316.6	2290.9	2277.7	2235.7	2165.5	2075.8	1945.6	1805.5	1647.5	1487.6	1337.5
-50°	2233.3	2188.2	2141.1	2083.0	1985.4	1877.9	1758.5	1627.0	1487.9	1353.8	1212.1
-52.5°	2084.7	2013.2	1938.8	1861.9	1776.1	1679.5	1570.1	1461.3	1343.6	1213.1	1082.0
-55°	1844.1	1779.5	1716.7	1647.2	1571.9	1491.0	1402.3	1299.2	1183.7	1063.7	952.3
-57.5°	1610.3	1551.0	1504.1	1448.2	1384.4	1307.8	1222.9	1122.6	1020.7	920.3	823.2
-60°	1400.4	1345.6	1302.0	1249.0	1187.2	1117.0	1042.0	956.9	864.6	789.8	716.5
-62.5°	1188.2	1139.5	1095.3	1047.0	993.0	933.4	870.2	809.4	740.7	672.3	601.0
-65°	970.7	923.6	885.3	855.5	817.2	776.4	727.4	673.4	609.5	546.7	481.4
-67.5°	777.2	742.3	714.9	688.7	655.3	617.9	572.7	524.3	477.8	431.7	380.6
-70°	598.1	570.2	544.1	517.2	492.3	468.0	437.6	402.9	363.9	333.3	305.6
-72.5°	440.9	423.3	405.1	387.1	366.8	352.6	337.5	318.9	297.6	273.9	253.6
-75°	336.4	326.7	317.0	308.7	299.0	288.2	278.9	268.3	257.0	244.3	231.7
-77.5°	282.9	276.6	270.8	266.9	262.4	257.0	250.3	241.6	232.7	222.3	211.9
-80°	252.9	248.0	243.1	239.6	235.6	231.0	225.9	218.6	210.9	202.1	193.4
-82.5°	226.4	222.3	218.2	214.7	211.2	207.5	203.4	197.1	190.6	183.1	175.5
-85°	201.8	198.3	194.7	191.9	189.0	185.7	182.2	176.8	171.2	164.9	158.5
-87.5°	181.3	178.3	175.3	172.6	170.0	166.8	163.7	159.1	154.6	149.6	144.6
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.9



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	129.3	123.7	119.5	115.3	110.7	106.0	100.9	95.8	89.3	82.8	74.9
87.5°	1.9	1.9	2.2	2.4	2.4	2.3	2.3	2.3	2.4	2.5	2.8
85°	2.2	2.2	2.5	2.8	2.8	2.8	2.7	2.7	2.9	3.1	3.2
82.5°	2.8	2.7	2.7	2.8	3.1	3.2	3.1	3.1	3.4	3.7	3.6
80°	3.2	3.3	3.2	3.1	3.4	3.7	3.6	3.5	3.8	4.0	4.0
77.5°	3.8	3.9	3.7	3.6	3.6	3.8	3.9	3.9	4.1	4.4	4.4
75°	4.6	4.3	3.9	3.8	4.0	3.8	4.1	4.4	4.7	4.8	4.9
72.5°	4.6	4.6	4.2	4.2	4.7	4.9	4.8	4.9	5.3	5.6	5.5
70°	7.0	5.4	5.1	5.3	5.7	6.0	6.1	6.2	6.1	6.4	6.4
67.5°	11.3	9.3	7.7	6.7	6.8	7.2	7.3	7.7	7.7	7.3	7.4
65°	21.7	15.7	11.0	9.7	8.6	8.5	8.7	9.4	9.5	9.3	8.5
62.5°	31.0	24.1	18.5	13.9	11.6	11.5	10.3	11.4	11.5	11.4	10.3
60°	39.5	32.3	26.7	21.9	17.7	15.5	14.7	13.6	13.9	13.6	12.5
57.5°	39.8	39.2	36.7	31.1	27.1	22.7	20.3	18.4	16.8	16.5	14.8
55°	40.4	41.0	45.9	42.5	38.5	32.5	28.4	25.0	20.9	19.9	17.2
52.5°	48.3	49.7	53.5	56.2	53.2	44.9	40.5	32.1	28.8	23.5	20.6
50°	61.9	66.8	67.3	72.1	69.7	64.3	53.8	45.1	37.5	28.7	24.3
47.5°	96.7	101.1	92.5	94.8	90.5	86.5	73.9	60.7	46.8	37.4	28.1
45°	183.9	158.2	143.3	131.0	119.7	115.1	98.2	78.0	62.7	46.6	32.1
42.5°	298.1	259.6	229.6	174.3	167.9	148.7	127.4	104.5	80.0	56.1	38.8
40°	459.1	385.5	334.5	275.7	227.3	186.7	165.1	134.4	98.3	68.1	47.3
37.5°	610.7	516.7	451.9	380.5	302.1	248.9	206.5	166.5	120.2	84.9	56.1
35°	732.6	639.2	551.5	477.7	398.3	311.3	251.0	202.3	148.4	102.5	65.0
32.5°	843.2	743.9	644.4	561.3	475.1	372.0	303.0	237.9	176.8	120.6	74.3
30°	941.1	846.2	732.9	630.0	538.3	435.7	352.1	271.2	205.2	139.3	85.2
27.5°	1048.0	952.3	822.7	704.6	594.0	491.1	391.3	302.1	233.6	158.3	99.4
25°	1148.5	1051.2	922.7	788.3	650.3	535.2	427.8	330.9	260.1	177.5	112.8
22.5°	1215.9	1134.5	1014.6	876.9	712.3	578.2	463.5	362.2	278.1	195.1	125.4
20°	1270.2	1207.6	1095.8	944.0	779.8	629.1	499.2	387.5	294.8	211.0	137.1
17.5°	1347.7	1266.8	1153.4	1000.3	841.6	680.4	533.7	411.3	310.2	225.2	148.0
15°	1538.1	1318.5	1209.3	1053.2	889.4	724.2	567.2	433.8	324.2	237.8	157.8
12.5°	1735.5	1368.9	1263.5	1099.1	924.6	761.6	599.4	454.8	336.7	250.6	166.5
10°	1920.9	1412.7	1313.9	1141.0	955.2	793.0	629.7	477.7	355.3	263.7	174.3
7.5°	2077.7	1452.6	1361.4	1178.9	982.9	821.4	660.3	506.4	374.1	275.7	181.2
5°	2210.0	1489.3	1407.4	1225.6	1015.7	847.6	687.3	533.0	391.7	286.6	187.2
2.5°	2300.2	1522.6	1448.9	1269.1	1044.3	869.4	710.5	557.0	407.8	296.1	192.2
0°	2359.9	1552.8	1484.0	1306.4	1068.4	887.0	729.9	578.3	422.1	304.0	196.2
-2.5°	2378.7	1584.3	1512.8	1338.0	1106.8	910.4	744.1	588.2	431.8	313.0	202.9
-5°	2365.2	1613.4	1536.3	1363.2	1139.0	929.2	754.6	595.0	439.4	320.1	208.4
-7.5°	2324.9	1646.1	1555.9	1382.0	1163.8	942.8	761.2	598.6	444.9	325.4	212.7
-10°	2256.0	1678.9	1571.6	1389.1	1167.6	949.8	764.3	599.0	448.2	328.6	215.8
-12.5°	2169.3	1708.9	1581.4	1387.8	1163.0	951.2	767.0	597.7	449.2	329.9	217.4
-15°	2058.4	1746.8	1593.9	1379.2	1152.7	948.3	764.6	593.1	446.4	327.9	217.5
-17.5°	1913.0	1782.1	1601.8	1368.1	1138.5	941.0	756.9	584.4	441.1	322.6	215.5
-20°	1909.3	1797.4	1597.5	1346.8	1118.2	927.9	743.7	571.3	433.3	315.3	211.9



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1936.0	1791.1	1572.3	1318.5	1094.1	909.2	726.3	554.2	423.0	306.2	206.9
-25°	1950.6	1779.1	1537.2	1288.0	1069.2	885.5	705.9	536.2	410.1	295.2	200.6
-27.5°	1926.8	1743.3	1491.4	1247.3	1040.9	857.3	682.4	523.3	398.4	282.2	193.1
-30°	1886.1	1675.7	1435.3	1200.1	1004.3	824.8	654.6	507.8	385.5	271.8	184.2
-32.5°	1825.4	1603.0	1372.0	1154.9	962.6	787.3	623.2	489.2	370.4	262.8	178.5
-35°	1729.8	1521.1	1304.0	1103.9	916.4	749.0	593.1	467.6	353.3	251.5	173.5
-37.5°	1626.5	1427.0	1241.3	1048.6	868.0	707.2	566.6	444.8	334.2	237.9	168.0
-40°	1518.2	1332.0	1160.5	988.8	818.1	662.1	536.3	419.1	315.5	221.9	161.3
-42.5°	1404.8	1239.0	1077.0	919.2	763.9	624.2	502.3	389.4	293.1	210.0	153.4
-45°	1298.7	1141.6	988.7	845.6	706.0	581.9	464.6	356.6	268.2	199.6	147.4
-47.5°	1187.0	1040.3	900.0	767.2	653.1	534.9	422.2	326.1	241.4	187.7	145.1
-50°	1072.1	937.3	809.7	696.1	591.7	482.5	377.9	293.2	225.4	173.7	142.2
-52.5°	955.5	833.7	725.2	625.5	525.4	425.5	336.9	259.2	208.2	166.0	138.8
-55°	837.8	739.0	645.1	549.7	455.3	372.3	292.6	237.6	189.8	160.9	135.0
-57.5°	736.9	649.5	558.7	469.5	390.9	318.1	259.6	214.9	180.6	155.3	132.4
-60°	636.9	550.9	467.1	396.8	329.9	274.3	233.2	196.1	173.8	149.7	129.2
-62.5°	525.2	451.2	388.9	327.8	281.2	242.5	208.7	186.8	166.2	145.3	125.6
-65°	423.3	366.7	313.6	278.6	243.8	214.6	196.9	176.8	159.4	140.4	121.7
-67.5°	329.4	298.8	267.8	236.3	217.4	201.2	184.4	168.5	152.7	135.2	117.7
-70°	277.0	249.1	230.9	216.7	202.5	188.0	174.8	160.8	145.7	130.1	113.5
-72.5°	239.6	226.3	213.2	200.3	188.9	177.2	165.4	152.9	138.9	124.6	109.0
-75°	219.4	208.1	197.2	186.6	176.3	166.0	155.7	144.4	131.8	119.0	104.1
-77.5°	201.8	191.8	182.1	173.0	164.3	155.5	145.9	135.6	124.3	112.7	99.0
-80°	184.6	176.0	168.1	160.3	152.7	145.0	135.9	126.8	116.6	106.2	93.7
-82.5°	167.9	160.5	153.8	147.1	140.3	133.4	125.6	117.9	108.7	99.4	88.6
-85°	151.9	145.2	139.4	133.6	127.6	121.6	115.7	109.7	101.9	94.0	84.1
-87.5°	138.9	133.2	128.5	123.8	118.9	113.9	108.4	102.8	95.6	88.5	79.5
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	66.9	56.2	45.6	33.0	20.5	11.6	2.8
87.5°	3.0	3.1	3.1	3.0	3.0	3.0	2.8
85°	3.3	3.4	3.4	3.3	3.1	3.2	2.8
82.5°	3.5	3.7	3.7	3.5	3.3	3.5	2.8
80°	3.8	4.0	4.0	3.7	3.5	3.7	2.8
77.5°	4.3	4.4	4.4	4.0	3.6	3.9	2.8
75°	4.9	4.9	4.7	4.2	3.8	4.1	2.8
72.5°	5.4	5.5	5.2	4.4	4.1	4.4	2.8
70°	6.0	6.0	5.7	4.7	4.3	4.6	2.8
67.5°	7.2	6.6	6.3	5.3	4.6	4.8	2.8
65°	8.4	7.5	6.9	5.8	4.8	5.1	2.8
62.5°	9.6	8.7	7.5	6.4	5.1	5.3	2.8
60°	11.0	10.0	8.1	7.0	5.5	5.6	2.8
57.5°	13.0	11.3	9.3	7.6	6.1	5.8	2.8
55°	15.2	12.7	10.6	8.2	6.8	6.1	2.8
52.5°	17.4	14.2	12.0	8.8	7.4	6.3	2.8
50°	19.6	16.3	13.3	9.4	8.1	6.6	2.8
47.5°	22.1	18.5	14.7	10.1	8.8	6.8	2.8
45°	25.6	20.7	16.2	11.2	9.5	7.1	2.8
42.5°	29.1	23.0	17.6	12.3	10.2	7.3	2.8
40°	33.0	25.4	19.3	13.7	11.0	7.6	2.8
37.5°	37.2	27.9	21.2	15.2	11.7	7.9	2.8
35°	41.5	31.0	23.1	16.8	12.5	8.1	2.8
32.5°	46.9	34.4	24.9	18.3	13.2	8.4	2.8
30°	54.6	37.8	26.8	19.9	14.0	8.6	2.8
27.5°	62.2	41.3	29.2	21.4	14.8	8.9	2.8
25°	69.7	44.6	31.7	22.9	15.5	9.1	2.8
22.5°	77.0	48.1	34.0	24.5	16.3	9.4	2.8
20°	84.1	51.6	36.4	26.0	17.0	9.6	2.8
17.5°	90.7	55.0	38.6	27.4	17.8	9.9	2.8
15°	96.7	58.2	40.8	28.8	18.5	10.1	2.8
12.5°	102.3	61.2	42.9	30.2	19.2	10.3	2.8
10°	107.4	64.0	45.0	31.6	19.9	10.5	2.8
7.5°	112.0	66.7	46.9	32.8	20.5	10.7	2.8
5°	116.1	69.2	48.7	34.1	21.2	10.9	2.8
2.5°	119.7	71.4	50.5	35.2	21.8	11.0	2.8
0°	122.7	73.5	52.1	36.3	22.3	11.2	2.8
-2.5°	126.6	76.6	54.4	37.9	23.3	11.7	2.8
-5°	130.0	79.5	56.6	39.4	24.2	12.1	2.8
-7.5°	132.7	82.1	58.6	40.9	25.2	12.5	2.8
-10°	134.8	84.5	60.5	42.2	26.0	12.9	2.8
-12.5°	136.3	86.6	62.3	43.5	26.8	13.3	2.8
-15°	137.0	88.5	63.9	44.6	27.6	13.7	2.8
-17.5°	137.1	90.1	65.3	45.6	28.2	14.0	2.8
-20°	136.6	91.4	66.5	46.5	28.9	14.3	2.8



REPORT NUMBER: P731581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	135.6	92.5	67.6	47.3	29.4	14.6	2.8
-25°	133.8	93.4	68.5	48.0	29.9	14.8	2.8
-27.5°	131.3	94.1	69.2	48.6	30.4	15.1	2.8
-30°	128.1	94.6	69.7	49.0	30.7	15.3	2.8
-32.5°	124.2	94.8	70.4	49.3	31.0	15.5	2.8
-35°	122.8	94.8	70.9	49.5	31.2	15.6	2.8
-37.5°	122.4	94.7	71.3	49.6	31.4	15.7	2.8
-40°	121.7	94.9	71.4	49.5	31.5	15.8	2.8
-42.5°	120.6	94.8	71.5	49.4	31.5	15.9	2.8
-45°	119.1	94.6	71.4	49.3	31.5	15.9	2.8
-47.5°	117.1	94.1	71.1	49.1	31.3	15.9	2.8
-50°	115.8	93.4	70.6	49.0	31.1	15.9	2.8
-52.5°	114.4	92.5	69.9	48.8	30.9	15.8	2.8
-55°	112.6	91.1	69.0	48.4	30.5	15.7	2.8
-57.5°	110.5	89.4	67.9	48.0	30.1	15.6	2.8
-60°	108.1	87.6	66.7	47.4	29.6	15.4	2.8
-62.5°	105.6	85.5	65.7	46.7	29.2	15.3	2.8
-65°	102.8	83.3	64.5	45.9	28.7	15.1	2.8
-67.5°	99.7	81.0	63.1	45.0	28.1	14.8	2.8
-70°	96.5	78.7	61.6	43.9	27.5	14.6	2.8
-72.5°	93.1	76.2	60.0	42.9	26.8	14.3	2.8
-75°	89.4	73.5	58.1	41.7	26.0	14.0	2.8
-77.5°	85.5	70.6	56.3	40.5	25.2	13.6	2.8
-80°	81.4	67.8	54.4	39.2	24.4	13.3	2.8
-82.5°	77.9	65.1	52.4	37.8	23.5	12.9	2.8
-85°	74.4	62.3	50.2	36.3	22.5	12.5	2.8
-87.5°	70.7	59.3	48.0	34.7	21.5	12.1	2.8
-90°	2.8	2.8	2.8	2.8	2.8	2.8	2.8

(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

