

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: P735960 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-4S-VHE**

Issue Date: 1/29/2024

Test Information

Test Method: LM-79-08
Report Number: P735960 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-4S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

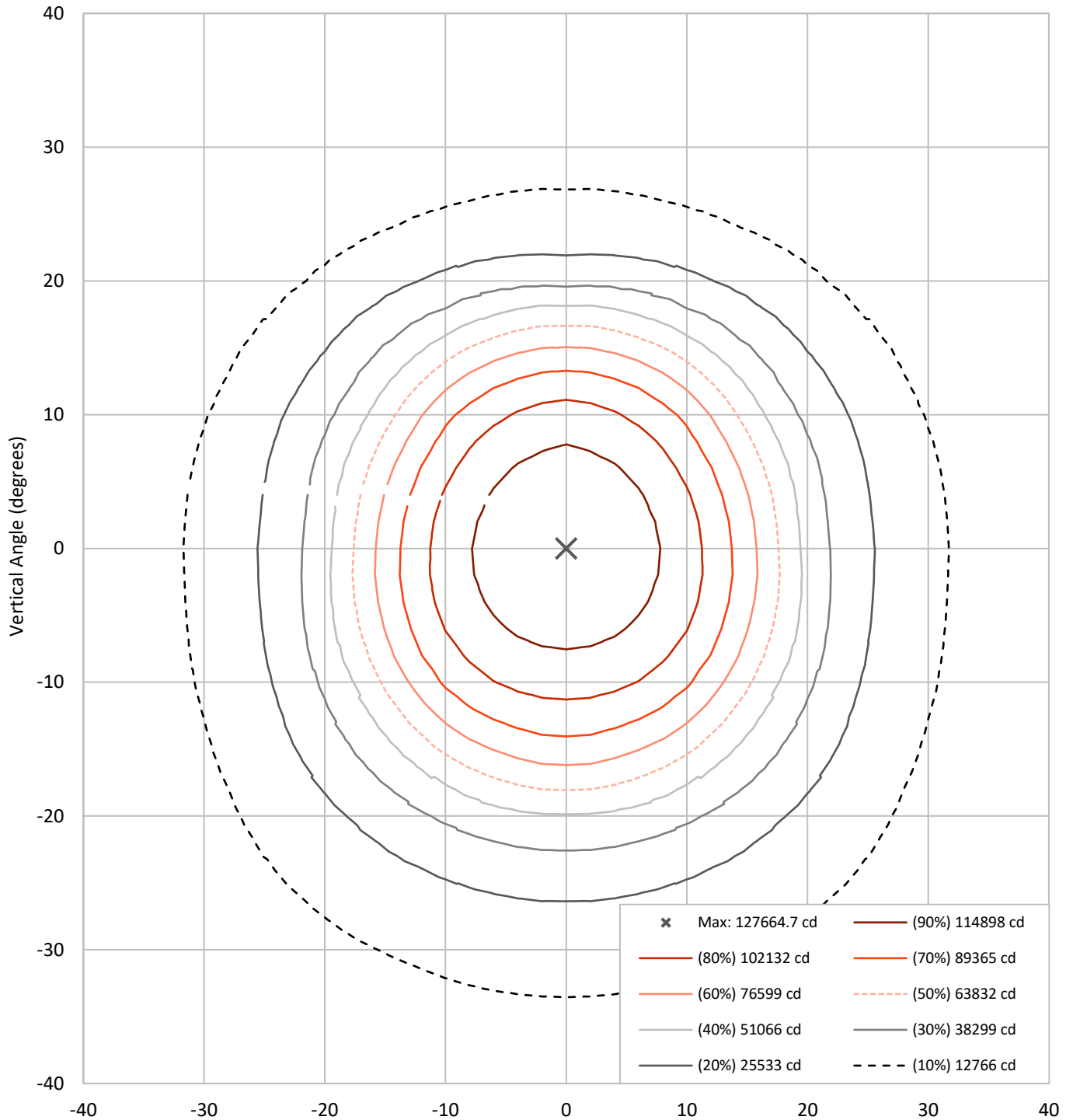
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	52957.9 lumens	Max Intensity:	127664.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	153.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	28424.1 lumens	Field Lumens:	46254.5 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%

Input Watts (W): 345.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





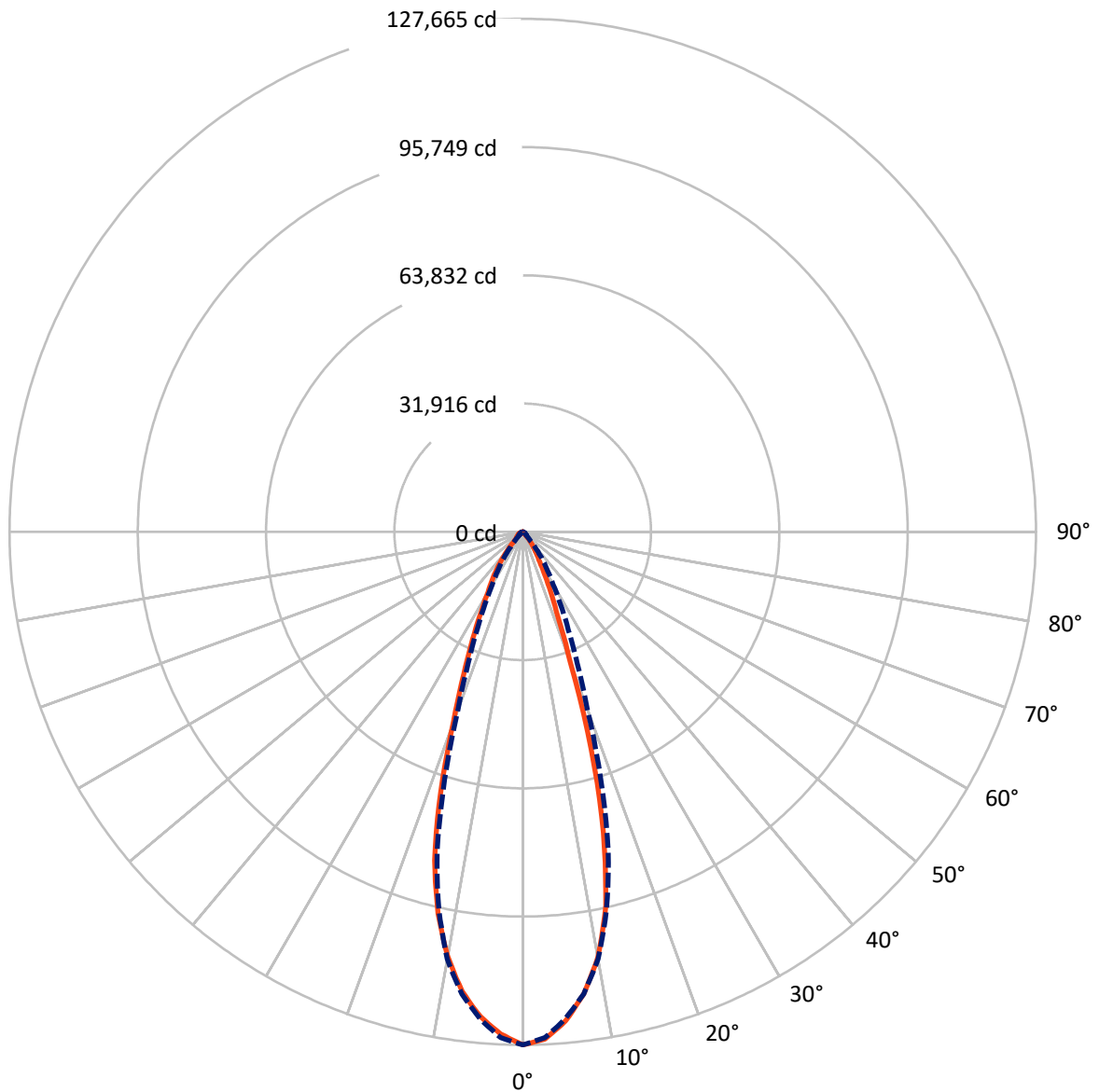
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Lumen Table

90	0.2		0.6		1.0		1.4		1.6		1.4		1.0		0.6		0.2	
80	0.2		0.1	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.1	0.1	0.2	
70	0.2		0.2	0.4	0.7	0.7	0.5	0.6	0.7	0.7	0.6	0.5	0.7	0.7	0.4	0.2	0.2	
60	0.5		0.7	1.5	3.0	5.5	8.8	12.9	16.6	16.6	12.9	8.8	5.5	3.0	1.5	0.7	0.5	
50	0.5		1.6	5.0	9.6	15.8	36.6	81.7	132.4	132.4	81.7	36.6	15.8	9.6	5.0	1.6	0.5	
40	1.2		2.8	8.4	16.3	51.1	157.2	343.1	520.2	520.2	343.1	157.2	51.1	16.3	8.4	2.8	1.2	
30	1.2		3.8	11.0	26.1	133.0	441.2	1178.7	2094.5	2094.5	1178.7	441.2	133.0	26.1	11.0	3.8	1.2	
20	1.7		4.6	12.9	36.1	208.2	724.1	2143.2	3431.9	3431.9	2143.2	724.1	208.2	36.1	12.9	4.6	1.7	
10	1.7		5.2	14.4	40.4	223.2	760.5	2246.8	3459.0	3459.0	2246.8	760.5	223.2	40.4	14.4	5.2	1.7	
0	2.0		5.3	15.2	37.2	178.1	561.8	1414.3	2323.6	2323.6	1414.3	561.8	178.1	37.2	15.2	5.3	2.0	
-10	2.0		4.9	15.1	31.9	98.0	312.0	612.6	884.6	884.6	612.6	312.0	98.0	31.9	15.1	4.9	2.0	
-20	1.8		4.2	13.6	26.7	47.1	115.8	233.3	322.4	322.4	233.3	115.8	47.1	26.7	13.6	4.2	1.8	
-30	1.8		3.3	10.2	21.4	33.7	46.7	63.7	81.6	81.6	63.7	46.7	33.7	21.4	10.2	3.3	1.8	
-40	1.6		2.5	6.4	13.9	23.9	32.3	39.0	43.8	43.8	39.0	32.3	23.9	13.9	6.4	2.5	1.6	
-50	1.6		1.9	3.7	7.0	12.0	17.0	21.7	24.7	24.7	21.7	17.0	12.0	7.0	3.7	1.9	1.6	
-60	1.6		1.9	3.7	7.0	12.0	17.0	21.7	24.7	24.7	21.7	17.0	12.0	7.0	3.7	1.9	1.6	
-70	1.6		1.9	3.7	7.0	12.0	17.0	21.7	24.7	24.7	21.7	17.0	12.0	7.0	3.7	1.9	1.6	
-80	1.1		6.7		15.1		24.5		30.0		24.5		15.1		6.7		1.1	
-90	1.1		6.7		15.1		24.5		30.0		24.5		15.1		6.7		1.1	

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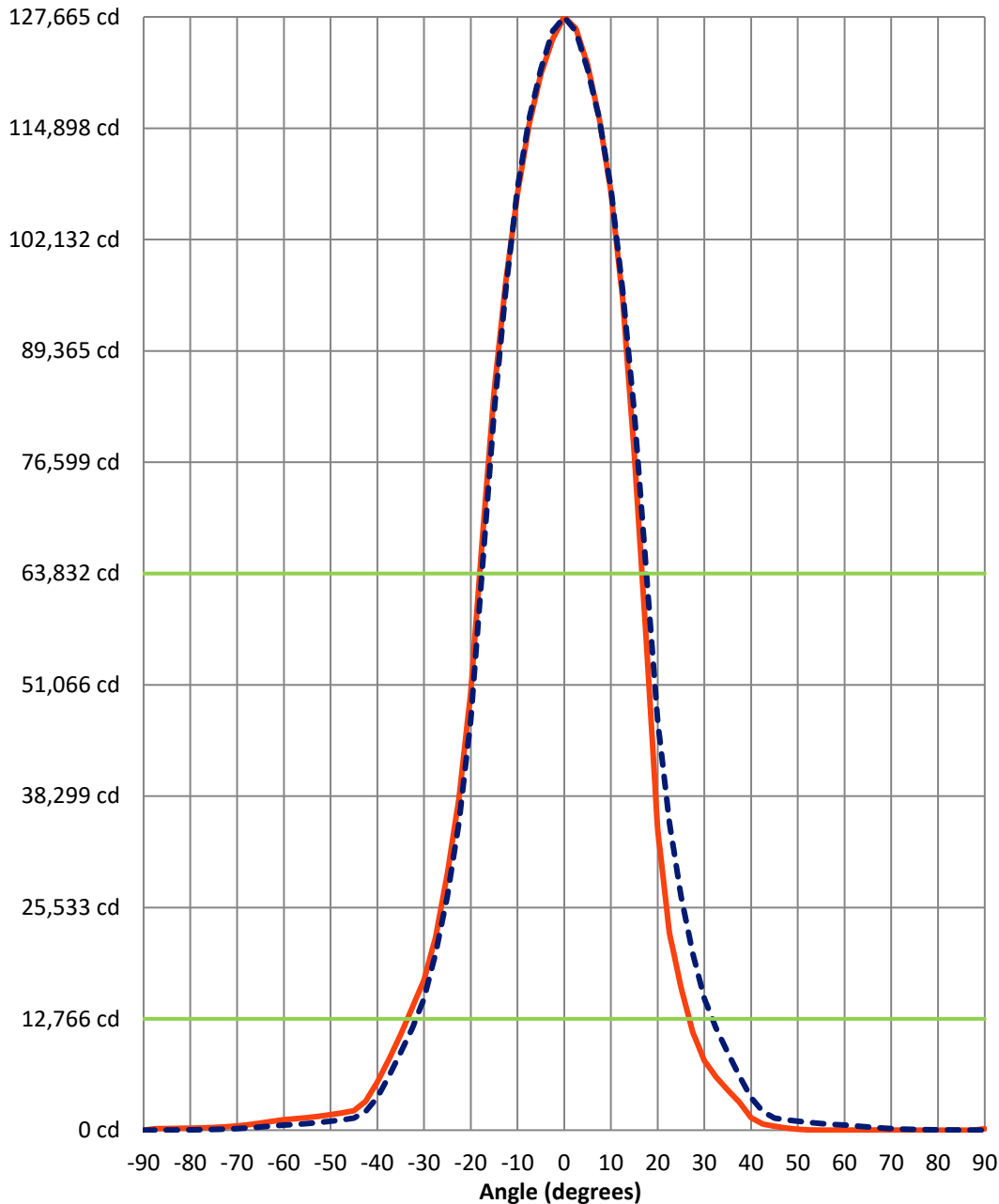
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 35.2°
 V Angle: 34.7°
 Lumens: 28424.1
 Efficiency: 53.7%

Field:
 H Angle: 63.4°
 V Angle: 60.3°
 Lumens: 46254.5
 Efficiency: 87.3%

Spill:
 Lumens: 6703.4
 Efficiency: 12.7%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.7	10.7	15.8	25.9	36.0	45.1	54.3	61.6	68.8	73.6	78.3
87.5°	5.7	5.2	4.5	4.6	4.6	4.6	4.6	4.3	4.0	4.0	4.1
85°	5.7	5.3	4.6	4.7	4.9	4.8	4.8	4.5	4.2	4.3	4.3
82.5°	5.7	5.4	4.8	4.9	5.1	5.1	5.0	4.7	4.5	4.5	4.6
80°	5.7	5.5	4.9	5.1	5.3	5.3	5.2	5.0	4.9	4.9	4.9
77.5°	5.7	5.6	5.0	5.2	5.5	5.5	5.5	5.4	5.4	5.4	5.2
75°	5.7	5.7	5.2	5.4	5.7	5.8	5.8	5.8	5.8	5.6	5.2
72.5°	5.7	5.9	5.3	5.6	6.0	6.1	6.1	6.2	6.1	5.8	5.3
70°	5.7	6.0	5.5	5.7	6.2	6.3	6.5	6.5	6.4	6.0	5.8
67.5°	5.7	6.1	5.6	6.0	6.4	6.6	6.9	6.9	6.7	6.5	6.4
65°	5.7	6.2	5.8	6.2	6.7	7.0	7.4	7.3	7.5	7.1	7.2
62.5°	5.7	6.4	6.0	6.5	6.9	7.6	7.9	8.1	8.3	7.9	8.5
60°	5.7	6.5	6.2	6.7	7.2	8.2	8.5	9.2	9.3	10.0	10.2
57.5°	5.7	6.6	6.5	7.0	7.9	8.8	9.7	10.4	11.6	12.4	13.8
55°	5.7	6.8	6.9	7.3	8.6	9.5	11.0	11.8	14.4	15.6	18.5
52.5°	5.7	6.9	7.3	7.6	9.3	10.3	12.4	14.6	17.4	21.1	23.6
50°	5.7	7.0	7.7	7.8	10.1	11.7	13.9	17.6	21.3	27.0	30.6
47.5°	5.7	7.2	8.1	8.2	10.9	13.2	15.6	20.8	27.1	33.3	38.5
45°	5.7	7.3	8.6	8.8	11.8	14.8	18.4	24.1	33.2	41.1	46.9
42.5°	5.7	7.4	9.1	9.5	12.6	16.4	21.4	28.8	39.6	49.2	60.5
40°	5.7	7.6	9.6	10.4	13.7	18.1	24.5	34.6	46.7	57.7	76.2
37.5°	5.7	7.7	10.1	11.5	15.1	19.8	27.7	40.4	54.8	68.8	93.2
35°	5.7	7.9	10.6	12.6	16.4	22.2	31.0	46.4	63.2	84.5	113.8
32.5°	5.7	8.0	11.2	13.8	17.7	24.7	34.7	52.3	72.0	100.7	137.4
30°	5.7	8.1	11.7	14.9	19.1	27.3	39.5	58.4	81.0	117.1	159.8
27.5°	5.7	8.3	12.3	16.1	20.9	29.8	44.2	65.0	90.9	133.8	181.1
25°	5.7	8.4	12.9	17.2	22.8	32.2	48.7	71.4	102.4	151.2	201.4
22.5°	5.7	8.5	13.5	18.4	24.6	34.8	53.1	77.4	113.1	164.7	222.0
20°	5.7	8.6	14.0	19.5	26.4	37.6	57.3	83.1	123.0	177.3	238.8
17.5°	5.7	8.8	14.6	20.6	28.1	40.4	61.7	88.5	132.2	189.0	254.4
15°	5.7	8.9	15.2	21.8	29.8	43.1	66.0	93.8	140.5	199.7	269.1
12.5°	5.7	9.0	15.8	22.9	31.4	45.8	70.0	99.2	148.9	209.4	282.8
10°	5.7	9.1	16.3	23.9	33.0	48.2	73.8	104.3	157.1	221.9	297.8
7.5°	5.7	9.2	16.8	25.0	34.5	50.6	77.3	109.0	164.6	234.3	317.1
5°	5.7	9.3	17.4	25.9	35.9	52.8	80.5	113.3	171.3	245.8	335.2
2.5°	5.7	9.4	17.8	26.9	37.2	54.9	83.4	117.2	177.1	256.2	351.9
0°	5.7	9.5	18.3	27.8	38.5	56.8	85.9	120.6	181.9	265.3	366.9
-2.5°	5.7	9.8	19.0	29.0	40.3	59.1	88.9	124.7	188.3	272.8	374.4
-5°	5.7	10.2	19.7	30.1	42.0	61.2	91.5	128.4	193.6	278.7	379.9
-7.5°	5.7	10.5	20.3	31.1	43.6	63.1	93.7	131.4	197.8	283.0	383.4
-10°	5.7	10.8	20.9	32.1	45.1	64.8	95.6	133.9	200.6	285.7	384.9
-12.5°	5.7	11.1	21.4	33.1	46.5	66.4	97.0	135.8	202.1	286.8	386.6
-15°	5.7	11.4	21.9	33.9	47.8	67.7	98.1	137.0	201.9	285.5	386.5
-17.5°	5.7	11.7	22.4	34.7	48.9	68.8	98.7	137.8	199.9	282.3	383.2
-20°	5.7	11.9	22.8	35.3	49.9	69.7	99.2	138.2	196.7	277.2	376.6



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-4S-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.7	12.2	23.2	35.9	50.7	70.4	99.7	138.0	192.3	270.2	366.8
-25°	5.7	12.4	23.5	36.4	51.4	71.2	99.7	137.2	186.8	261.1	356.5
-27.5°	5.7	12.6	23.8	36.8	52.0	71.9	99.3	135.8	180.0	253.3	347.8
-30°	5.7	12.8	24.1	37.2	52.4	72.5	98.4	133.8	176.0	246.1	336.3
-32.5°	5.7	12.9	24.3	37.4	53.1	72.7	97.1	132.0	173.6	237.0	321.9
-35°	5.7	13.0	24.4	37.5	53.7	72.7	96.6	130.0	170.3	225.9	304.6
-37.5°	5.7	13.2	24.5	37.6	54.1	72.7	96.3	127.4	166.0	213.0	288.1
-40°	5.7	13.3	24.6	37.5	54.3	73.0	95.7	124.1	160.7	204.7	271.9
-42.5°	5.7	13.3	24.5	37.5	54.5	73.1	94.7	120.0	155.6	197.9	253.8
-45°	5.7	13.4	24.5	37.6	54.6	73.1	93.2	116.6	150.2	189.7	235.5
-47.5°	5.7	13.4	24.4	37.5	54.5	72.8	91.5	114.5	143.8	180.3	224.7
-50°	5.7	13.4	24.3	37.5	54.3	72.3	90.6	112.1	136.6	172.0	212.5
-52.5°	5.7	13.4	24.1	37.5	53.9	71.7	89.6	109.4	131.9	162.6	198.4
-55°	5.7	13.4	23.8	37.3	53.4	70.8	88.4	106.4	128.0	152.2	185.0
-57.5°	5.7	13.3	23.5	37.1	52.7	69.7	87.0	104.7	123.5	145.6	170.5
-60°	5.7	13.2	23.2	36.7	51.8	68.4	85.3	102.5	119.0	139.7	157.7
-62.5°	5.7	13.1	22.8	36.3	51.1	67.0	83.4	99.9	115.8	132.9	149.5
-65°	5.7	13.0	22.4	35.7	50.3	65.3	81.3	97.1	112.3	127.4	141.0
-67.5°	5.7	12.8	22.0	35.1	49.3	63.6	78.9	93.9	108.5	122.3	134.3
-70°	5.7	12.7	21.5	34.3	48.2	61.9	76.3	90.5	104.4	116.9	128.2
-72.5°	5.7	12.5	20.9	33.5	47.0	60.0	73.7	86.9	100.1	111.4	121.9
-75°	5.7	12.3	20.3	32.7	45.6	58.0	70.9	83.2	95.6	105.8	115.4
-77.5°	5.7	12.1	19.6	31.7	44.2	55.8	67.9	79.3	90.8	100.0	108.6
-80°	5.7	11.8	18.9	30.7	42.8	53.7	64.7	75.2	85.9	94.0	101.9
-82.5°	5.7	11.6	18.2	29.6	41.2	51.7	62.2	71.4	80.7	87.9	95.0
-85°	5.7	11.3	17.4	28.4	39.6	49.6	59.7	68.2	76.8	82.8	88.8
-87.5°	5.7	11.0	16.6	27.2	37.8	47.4	57.0	64.9	72.9	78.2	83.6
-90°	5.7	5.1	4.4	4.4	4.4	4.4	4.4	4.1	3.8	3.8	3.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	81.8	85.3	88.5	91.6	95.4	99.2	103.0	106.7	110.8	114.9	119.1
87.5°	3.8	3.5	3.5	3.5	3.2	3.0	2.7	2.5	2.5	2.5	2.4
85°	4.1	3.8	3.8	3.8	3.6	3.4	3.1	2.8	2.8	2.9	2.7
82.5°	4.4	4.1	4.0	3.8	3.8	3.8	3.5	3.3	3.3	3.2	3.0
80°	4.7	4.4	4.2	4.0	3.9	3.8	3.7	3.7	3.5	3.3	3.3
77.5°	4.8	4.5	4.3	4.3	4.2	3.9	3.8	3.8	3.7	3.7	3.6
75°	4.9	4.5	4.5	4.5	4.2	3.9	3.8	3.9	4.0	3.9	3.8
72.5°	5.1	4.9	4.8	4.6	4.4	4.2	4.2	4.3	4.7	5.0	5.3
70°	5.6	5.4	5.2	5.1	4.9	4.8	5.3	6.4	7.4	7.9	8.9
67.5°	6.2	6.1	5.9	5.7	5.8	6.2	6.9	9.3	11.3	12.7	14.3
65°	6.9	6.8	6.8	6.9	6.9	8.9	11.0	13.3	16.8	18.8	18.9
62.5°	7.7	8.7	8.3	8.8	10.6	12.7	15.9	20.0	24.5	26.3	25.1
60°	10.9	11.4	11.7	13.0	14.8	17.1	21.5	26.5	31.7	34.8	30.1
57.5°	15.0	15.7	16.9	17.7	19.7	21.0	26.2	32.3	35.6	37.7	32.4
55°	20.2	21.2	22.9	23.3	25.0	25.5	29.9	34.1	36.9	37.5	31.8
52.5°	26.8	27.9	30.4	30.8	30.9	31.4	32.0	36.6	38.9	38.3	33.1
50°	33.8	37.7	39.1	40.5	38.7	39.4	37.3	42.7	47.3	46.1	47.6
47.5°	44.2	49.1	51.1	53.7	52.4	56.7	55.1	65.3	68.9	89.3	93.8
45°	56.8	65.4	68.1	74.1	80.3	85.3	101.7	103.1	146.1	164.1	197.9
42.5°	71.8	85.4	96.4	98.7	128.0	143.6	166.5	204.1	241.8	276.5	299.5
40°	94.2	108.3	131.9	159.4	190.5	224.1	254.6	298.3	334.9	362.1	378.3
37.5°	119.7	146.4	178.6	228.2	270.3	304.6	339.2	376.9	411.4	435.3	466.4
35°	147.6	186.6	246.2	297.9	343.1	375.3	409.1	449.1	481.7	520.3	558.7
32.5°	181.5	227.6	302.3	358.2	394.9	433.1	472.0	514.2	560.8	608.3	657.5
30°	215.1	273.7	346.8	404.9	440.4	484.8	532.2	581.6	642.7	702.6	769.1
27.5°	241.5	313.4	382.9	442.9	484.2	536.9	594.8	659.2	731.8	805.0	893.4
25°	265.0	342.8	419.2	482.8	535.4	593.7	661.7	739.1	825.5	928.4	1206.3
22.5°	288.0	371.5	459.3	525.6	584.7	650.6	732.6	822.9	924.6	1061.4	1552.9
20°	311.6	404.0	497.8	561.2	629.7	703.6	799.7	904.4	1030.5	1353.7	2078.6
17.5°	335.8	437.6	530.5	592.4	664.6	754.7	866.4	984.6	1138.2	1627.4	2737.1
15°	359.5	469.2	556.7	620.0	699.6	804.5	929.3	1074.0	1328.9	2009.5	3396.9
12.5°	382.2	497.6	576.2	643.8	734.2	851.4	987.6	1150.0	1553.1	2525.0	4116.5
10°	403.4	522.8	593.2	666.5	768.0	895.5	1039.9	1216.9	1748.8	2937.0	4686.3
7.5°	426.5	544.4	608.5	688.0	799.1	935.9	1082.9	1268.4	1894.6	3252.9	5109.5
5°	447.4	561.9	626.2	713.2	830.0	972.3	1119.8	1311.5	1994.2	3453.1	5403.2
2.5°	465.7	575.8	642.7	737.2	859.1	1004.2	1153.1	1354.7	2083.0	3622.4	5774.8
0°	481.3	586.7	657.5	758.5	884.2	1030.7	1180.4	1389.5	2142.3	3736.4	6205.8
-2.5°	490.8	603.0	682.2	780.9	904.9	1049.5	1205.1	1426.6	2202.4	3982.8	6370.0
-5°	497.6	616.1	704.2	800.5	921.7	1063.3	1223.1	1453.0	2228.3	4050.5	6322.1
-7.5°	501.6	625.7	723.2	817.7	936.7	1079.3	1251.6	1488.1	2240.0	3883.5	6051.2
-10°	503.7	633.7	735.6	831.9	950.6	1094.0	1273.8	1510.8	2191.9	3658.1	5739.5
-12.5°	509.1	640.6	745.4	842.4	959.8	1104.5	1291.1	1528.0	2082.3	3348.4	5311.1
-15°	510.5	644.1	753.7	849.6	969.5	1120.0	1304.2	1530.9	1924.1	2948.2	4764.1
-17.5°	507.7	644.3	759.4	855.3	974.3	1126.0	1308.4	1522.5	1805.8	2657.4	4213.8
-20°	500.3	636.7	761.2	855.8	972.5	1128.4	1310.4	1518.8	1776.9	2360.1	3546.4



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	488.3	624.8	755.0	854.9	978.8	1129.4	1304.4	1496.3	1714.3	2001.4	2882.0
-25°	475.4	607.9	739.0	857.9	980.0	1124.1	1278.9	1455.1	1656.4	1881.0	2407.9
-27.5°	461.5	588.2	722.6	854.1	974.0	1104.4	1248.2	1413.4	1579.1	1760.5	1984.9
-30°	444.7	566.8	700.6	840.3	959.9	1081.7	1214.3	1347.8	1496.4	1659.6	1849.7
-32.5°	424.5	541.6	673.4	811.3	941.2	1055.3	1166.2	1286.1	1418.7	1562.6	1719.9
-35°	402.6	516.0	641.4	776.1	918.4	1023.2	1119.5	1223.2	1340.6	1472.2	1618.2
-37.5°	380.4	486.5	603.9	735.2	873.5	983.3	1070.1	1166.8	1270.2	1382.9	1518.7
-40°	355.2	452.5	564.7	688.8	811.5	930.2	1025.5	1113.2	1204.1	1307.1	1418.1
-42.5°	328.0	419.4	521.9	634.4	745.8	858.9	978.3	1064.5	1145.8	1233.3	1330.5
-45°	305.4	382.9	475.6	575.6	676.1	785.6	900.8	1016.1	1090.3	1166.0	1248.9
-47.5°	279.1	345.9	430.6	514.0	606.7	709.9	819.0	925.9	1031.4	1105.0	1174.7
-50°	254.0	314.5	379.2	455.9	538.5	633.9	733.9	831.6	930.4	1030.2	1109.7
-52.5°	236.8	280.9	337.1	397.7	474.0	558.3	646.0	733.1	825.8	921.1	1012.8
-55°	218.2	256.0	296.0	347.5	410.4	485.4	558.4	636.4	716.1	803.9	893.2
-57.5°	200.5	231.8	263.2	302.3	355.2	412.5	476.5	540.6	612.9	686.4	762.8
-60°	182.9	208.6	235.3	266.5	302.9	351.3	397.6	453.4	513.4	573.9	641.8
-62.5°	166.1	187.1	209.3	235.6	266.1	294.6	332.9	376.2	419.5	473.0	528.1
-65°	156.3	167.9	185.3	208.2	231.9	257.2	282.0	308.5	346.2	386.2	425.3
-67.5°	145.8	156.5	167.4	181.5	202.3	222.0	242.0	265.2	289.3	315.2	343.7
-70°	137.9	145.4	155.1	166.1	177.0	188.9	206.7	225.3	243.7	263.8	286.2
-72.5°	130.5	137.5	144.7	152.5	162.0	171.1	180.5	190.5	205.1	222.7	239.3
-75°	123.0	129.4	136.0	142.8	150.0	156.9	164.3	173.3	183.3	194.1	204.3
-77.5°	115.3	121.3	127.3	133.2	139.7	146.4	152.8	159.2	167.0	175.4	183.4
-80°	107.8	113.1	118.7	124.2	129.9	135.7	141.3	146.7	153.5	160.7	167.8
-82.5°	100.4	105.5	110.3	115.1	120.0	124.8	129.9	135.0	141.2	147.5	153.5
-85°	93.3	97.8	101.8	105.9	110.4	114.9	119.2	123.5	129.1	134.8	140.0
-87.5°	87.6	91.6	95.0	98.5	102.5	106.4	110.1	113.8	118.7	123.6	128.0
-90°	3.5	3.2	3.2	3.2	2.9	2.5	2.5	2.5	2.5	2.5	2.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	123.2	126.0	128.8	130.7	132.6	135.5	138.3	142.4	146.5	150.0	153.5
87.5°	2.4	2.2	1.9	1.9	1.8	1.9	1.9	1.6	1.3	1.3	1.3
85°	2.5	2.4	2.3	2.4	2.4	2.2	1.9	1.9	1.9	1.9	1.9
82.5°	2.8	2.7	2.5	2.5	2.5	2.4	2.4	2.2	1.9	1.9	1.9
80°	3.2	3.0	2.9	2.7	2.5	2.5	2.5	2.2	1.9	1.9	1.9
77.5°	3.3	3.3	3.2	2.9	2.6	2.5	2.5	2.2	1.9	1.9	1.9
75°	3.7	3.7	3.7	3.6	3.4	3.5	3.7	3.6	3.5	3.3	3.1
72.5°	5.7	5.7	5.6	5.9	6.2	6.5	6.7	6.9	7.1	7.6	8.1
70°	10.1	10.9	10.9	10.8	10.8	10.5	10.2	10.0	10.1	10.2	10.4
67.5°	15.2	15.8	16.1	16.3	14.8	13.9	13.5	13.5	14.1	15.2	16.9
65°	19.3	18.2	17.1	16.0	16.1	16.1	15.3	15.0	15.5	16.2	17.0
62.5°	23.0	18.3	15.3	13.7	14.0	14.5	13.1	12.0	11.7	11.5	11.6
60°	24.7	17.3	12.1	10.3	9.2	8.6	7.7	6.6	6.3	6.2	6.3
57.5°	25.0	16.4	9.7	7.6	5.9	4.5	3.8	3.3	3.3	3.2	3.1
55°	24.2	16.6	9.3	8.6	7.9	7.2	6.2	6.1	5.8	5.7	6.1
52.5°	25.1	23.2	19.0	18.4	22.5	22.6	19.4	24.0	27.0	29.4	30.4
50°	49.6	47.6	60.2	60.1	72.8	83.7	80.6	86.9	97.9	107.4	113.3
47.5°	115.8	124.9	143.7	160.6	179.6	203.7	214.4	222.0	231.6	244.5	253.1
45°	215.7	238.3	262.7	290.0	321.9	350.1	366.5	382.4	392.9	404.3	417.8
42.5°	320.3	347.2	383.5	416.1	450.7	483.6	509.5	532.5	577.1	640.7	691.4
40°	409.8	440.5	482.5	526.1	566.8	608.5	723.1	820.9	942.6	1124.4	1285.6
37.5°	498.7	534.1	581.0	634.5	757.1	881.3	1131.8	1402.4	1636.8	1899.7	2165.2
35°	595.6	642.1	704.8	884.5	1111.6	1442.7	1801.9	2203.7	2544.8	2911.9	3449.7
32.5°	710.0	791.2	994.2	1320.7	1727.9	2198.2	2643.8	3149.0	3575.0	4249.4	5070.8
30°	857.4	1112.1	1501.8	1952.6	2502.1	3097.4	3656.1	4474.3	5430.1	6276.3	6975.1
27.5°	1213.1	1705.0	2249.2	2820.5	3508.6	4229.9	5401.2	6460.2	7488.7	8402.3	9463.8
25°	1744.2	2533.4	3463.3	4229.3	5164.3	6467.9	7792.4	8958.7	10521.8	11896.5	13438.7
22.5°	2495.3	3619.2	4817.0	5935.2	7371.2	9003.9	10785.9	12934.8	15106.2	17518.2	19664.0
20°	3228.6	4650.5	6167.3	7777.1	9616.1	11657.5	14570.5	18057.9	21403.9	25203.9	28408.2
17.5°	4205.0	5923.8	7717.7	9764.1	12128.3	15269.1	19568.6	24337.2	29511.4	35185.7	40433.1
15°	5197.8	7049.6	9134.0	11753.1	15097.3	19365.9	24851.0	31342.5	38909.4	47250.9	57392.1
12.5°	6011.6	8036.5	10473.8	13774.4	18148.2	23856.8	30502.5	38316.7	48690.6	61272.0	73054.2
10°	6706.8	9134.8	12214.7	16120.9	21265.6	27710.1	35259.6	44934.1	58908.3	73483.3	86413.2
7.5°	7422.9	10295.2	13557.1	17792.3	23641.9	30956.9	40253.3	52887.0	68262.2	83211.4	95068.6
5°	8098.4	11086.6	14404.1	18929.0	25254.7	33111.1	43659.0	59046.8	75778.4	90420.1	101559.9
2.5°	8627.5	11484.6	14850.2	19775.5	26126.7	34281.9	45793.9	62855.9	80407.3	94837.5	106260.5
0°	8902.0	11700.4	15097.7	20304.9	26849.9	35356.5	47017.8	64536.9	82290.3	96342.6	107985.6
-2.5°	8841.3	11596.2	14944.4	19896.4	26684.6	35550.9	48035.5	65412.9	82614.6	96856.1	107828.9
-5°	8713.5	11432.1	14734.0	19394.3	26092.8	35062.2	46930.4	62906.7	79519.7	94128.2	104795.6
-7.5°	8475.3	11157.3	14314.5	18660.0	25111.9	33605.6	44315.5	58198.3	74135.7	88772.4	99099.3
-10°	8125.1	10732.7	13712.4	17664.5	23458.9	31260.1	40365.5	51207.0	66115.8	79800.2	91274.7
-12.5°	7627.3	10132.2	12877.1	16273.1	21462.4	28337.4	36187.1	45195.0	55850.5	69048.2	79803.8
-15°	6993.8	9349.6	11900.1	15104.5	19443.5	25076.6	31694.8	38682.9	46850.0	55960.1	66443.9
-17.5°	6216.4	8429.2	10804.4	13566.9	17076.0	21802.2	27037.5	32490.2	38385.3	45089.5	51248.8
-20°	5289.3	7313.4	9551.7	12121.2	15128.0	18541.8	22347.6	26755.6	31325.1	36110.0	40343.6



REPORT NUMBER: P735960 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4347.9	6194.4	8327.3	10574.0	13187.5	15793.2	18349.4	21626.9	25155.7	28619.8	31771.0
-25°	3402.0	5032.1	7015.2	9122.5	11220.1	13348.6	15424.0	17459.3	19998.5	22228.2	24541.1
-27.5°	2702.1	3921.6	5586.8	7425.8	9253.6	11029.6	12824.0	14524.1	16125.4	17472.0	19031.3
-30°	2125.1	2948.2	4234.6	5681.8	7281.0	8845.9	10392.1	11828.2	13089.3	14198.0	15280.8
-32.5°	1921.3	2257.5	3021.9	4121.6	5383.3	6756.2	8048.7	9282.2	10321.8	11352.2	12322.4
-35°	1777.4	1962.4	2212.3	2899.3	3720.9	4813.5	5826.6	6850.3	7723.4	8752.5	9548.2
-37.5°	1659.3	1801.8	1959.8	2121.9	2621.5	3168.6	3898.0	4665.3	5339.9	6203.1	6905.6
-40°	1545.0	1671.2	1794.7	1917.9	2050.7	2172.9	2607.0	3002.7	3460.3	4050.7	4556.0
-42.5°	1434.5	1545.7	1652.6	1752.7	1845.5	1925.7	2013.1	2096.8	2343.9	2644.9	2876.0
-45°	1335.3	1429.8	1519.3	1604.0	1674.8	1738.9	1806.2	1876.3	1968.2	2051.7	2120.6
-47.5°	1251.0	1325.7	1399.1	1468.0	1522.4	1577.1	1630.7	1691.2	1762.8	1832.8	1891.4
-50°	1174.8	1239.4	1295.1	1343.9	1389.1	1435.4	1478.1	1531.8	1589.4	1647.4	1695.9
-52.5°	1101.7	1159.2	1205.7	1242.9	1277.4	1315.1	1351.9	1394.7	1441.4	1490.2	1528.7
-55°	979.0	1052.0	1119.6	1154.5	1181.5	1212.7	1243.7	1278.4	1317.9	1358.9	1389.5
-57.5°	843.3	915.4	979.1	1024.4	1069.2	1114.8	1149.1	1176.3	1211.9	1246.9	1273.3
-60°	707.0	767.5	823.7	869.6	916.3	962.0	1000.5	1035.9	1080.1	1120.2	1152.8
-62.5°	580.2	633.1	676.5	713.6	753.4	793.2	829.8	864.8	904.9	940.9	971.5
-65°	464.9	509.3	541.4	570.6	602.2	635.2	664.2	693.2	725.4	754.2	779.3
-67.5°	376.0	405.4	425.4	444.0	469.1	494.7	517.4	540.5	565.1	587.0	605.9
-70°	307.8	326.1	338.5	352.7	370.6	387.0	401.9	418.8	436.9	453.6	468.8
-72.5°	255.1	267.7	277.0	288.4	299.7	310.1	319.5	331.6	344.8	357.8	370.1
-75°	213.7	221.9	230.7	238.9	246.7	254.3	261.2	271.0	281.1	290.8	300.1
-77.5°	191.8	197.8	202.8	207.3	211.6	216.5	221.3	229.5	238.4	245.9	253.0
-80°	174.7	179.5	183.6	187.1	190.3	194.3	198.3	205.0	212.0	218.3	224.4
-82.5°	159.5	163.5	167.3	170.5	173.6	177.0	180.4	186.3	192.3	197.7	202.9
-85°	145.2	148.7	152.1	155.0	157.8	161.0	164.0	169.2	174.3	179.1	183.8
-87.5°	132.4	135.5	138.6	140.8	142.9	146.0	149.0	153.5	158.1	162.3	166.5
-90°	1.9	1.9	1.9	1.6	1.3	1.3	1.3	1.3	1.3	1.0	0.6



REPORT NUMBER: P735960 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-4S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	155.4	157.3	157.6	157.9	157.6	157.3	155.4	153.5	150.0	146.5	142.4
87.5°	0.9	0.6	0.9	1.3	0.9	0.6	0.9	1.3	1.3	1.3	1.6
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.2
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.2
77.5°	1.6	1.3	1.6	1.9	1.6	1.3	1.6	1.9	1.9	1.9	2.2
75°	2.8	2.5	2.2	1.9	2.2	2.5	2.8	3.1	3.3	3.5	3.6
72.5°	8.4	8.6	9.1	9.5	9.1	8.6	8.4	8.1	7.6	7.1	6.9
70°	10.1	9.6	9.5	9.5	9.5	9.6	10.1	10.4	10.2	10.1	10.0
67.5°	18.1	19.1	19.5	19.6	19.5	19.1	18.1	16.9	15.2	14.1	13.5
65°	17.6	18.2	18.3	18.3	18.3	18.2	17.6	17.0	16.2	15.5	15.0
62.5°	11.8	12.1	12.3	12.6	12.3	12.1	11.8	11.6	11.5	11.7	12.0
60°	6.6	7.0	7.3	7.6	7.3	7.0	6.6	6.3	6.2	6.3	6.6
57.5°	3.1	3.3	3.5	3.8	3.5	3.3	3.1	3.1	3.2	3.3	3.3
55°	6.3	6.7	6.8	6.9	6.8	6.7	6.3	6.1	5.7	5.8	6.1
52.5°	29.9	28.5	27.3	26.5	27.3	28.5	29.9	30.4	29.4	27.0	24.0
50°	115.7	112.9	109.7	106.7	109.7	112.9	115.7	113.3	107.4	97.9	86.9
47.5°	258.2	255.9	251.2	245.0	251.2	255.9	258.2	253.1	244.5	231.6	222.0
45°	436.4	449.1	454.7	451.6	454.7	449.1	436.4	417.8	404.3	392.9	382.4
42.5°	708.6	719.7	720.7	704.2	720.7	719.7	708.6	691.4	640.7	577.1	532.5
40°	1402.2	1499.4	1532.6	1432.4	1532.6	1499.4	1402.2	1285.6	1124.4	942.6	820.9
37.5°	2485.2	2867.0	3185.4	3197.6	3185.4	2867.0	2485.2	2165.2	1899.7	1636.8	1402.4
35°	4027.6	4420.4	4610.3	4602.2	4610.3	4420.4	4027.6	3449.7	2911.9	2544.8	2203.7
32.5°	5660.9	5958.5	6148.7	6102.8	6148.7	5958.5	5660.9	5070.8	4249.4	3575.0	3149.0
30°	7474.1	7750.2	7971.8	7968.5	7971.8	7750.2	7474.1	6975.1	6276.3	5430.1	4474.3
27.5°	10327.9	10896.8	11348.9	11272.2	11348.9	10896.8	10327.9	9463.8	8402.3	7488.7	6460.2
25°	14739.6	15780.2	16516.0	16364.6	16516.0	15780.2	14739.6	13438.7	11896.5	10521.8	8958.7
22.5°	21257.0	22591.9	23150.1	22707.4	23150.1	22591.9	21257.0	19664.0	17518.2	15106.2	12934.8
20°	31460.8	33935.8	35474.5	34556.9	35474.5	33935.8	31460.8	28408.2	25203.9	21403.9	18057.9
17.5°	47224.6	52593.9	56836.2	56719.3	56836.2	52593.9	47224.6	40433.1	35185.7	29511.4	24337.2
15°	66221.5	72332.8	77038.5	77582.5	77038.5	72332.8	66221.5	57392.1	47250.9	38909.4	31342.5
12.5°	83231.3	89446.4	94051.3	95376.4	94051.3	89446.4	83231.3	73054.2	61272.0	48690.6	38316.7
10°	95354.0	101556.3	106013.5	107585.2	106013.5	101556.3	95354.0	86413.2	73483.3	58908.3	44934.1
7.5°	104247.1	110976.1	114317.2	116024.9	114317.2	110976.1	104247.1	95068.6	83211.4	68262.2	52887.0
5°	110646.3	116900.2	120132.3	122201.6	120132.3	116900.2	110646.3	101559.9	90420.1	75778.4	59046.8
2.5°	114680.3	120584.4	124465.9	126322.0	124465.9	120584.4	114680.3	106260.5	94837.5	80407.3	62855.9
0°	115982.3	121650.3	126000.9	127664.7	126000.9	121650.3	115982.3	107985.6	96342.6	82290.3	64536.9
-2.5°	115376.7	120929.0	124398.8	125071.4	124398.8	120929.0	115376.7	107828.9	96856.1	82614.6	65412.9
-5°	112225.1	117342.4	120546.5	121073.0	120546.5	117342.4	112225.1	104795.6	94128.2	79519.7	62906.7
-7.5°	106791.8	111896.6	114545.0	115324.8	114545.0	111896.6	106791.8	99099.3	88772.4	74135.7	58198.3
-10°	98914.2	103845.9	106676.4	107347.8	106676.4	103845.9	98914.2	91274.7	79800.2	66115.8	51207.0
-12.5°	88164.8	93426.1	96594.0	97291.9	96594.0	93426.1	88164.8	79803.8	69048.2	55850.5	45195.0
-15°	74226.2	79638.1	83682.2	84660.5	83682.2	79638.1	74226.2	66443.9	55960.1	46850.0	38682.9
-17.5°	58159.1	63574.7	67208.7	67902.5	67208.7	63574.7	58159.1	51248.8	45089.5	38385.3	32490.2
-20°	44321.1	47804.0	49855.1	50212.2	49855.1	47804.0	44321.1	40343.6	36110.0	31325.1	26755.6



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	34346.2	36687.1	37935.8	38112.0	37935.8	36687.1	34346.2	31771.0	28619.8	25155.7	21626.9
-25°	26615.0	28315.9	29245.9	29400.8	29245.9	28315.9	26615.0	24541.1	22228.2	19998.5	17459.3
-27.5°	20435.7	21492.3	22357.7	22177.5	22357.7	21492.3	20435.7	19031.3	17472.0	16125.4	14524.1
-30°	16170.5	16848.1	17359.3	17225.4	17359.3	16848.1	16170.5	15280.8	14198.0	13089.3	11828.2
-32.5°	13087.9	13618.8	13978.1	14073.9	13978.1	13618.8	13087.9	12322.4	11352.2	10321.8	9282.2
-35°	10172.5	10606.3	10855.3	10952.0	10855.3	10606.3	10172.5	9548.2	8752.5	7723.4	6850.3
-37.5°	7427.0	7807.5	8045.1	8127.7	8045.1	7807.5	7427.0	6905.6	6203.1	5339.9	4665.3
-40°	4942.9	5236.1	5430.7	5506.0	5430.7	5236.1	4942.9	4556.0	4050.7	3460.3	3002.7
-42.5°	3056.1	3193.4	3280.3	3307.5	3280.3	3193.4	3056.1	2876.0	2644.9	2343.9	2096.8
-45°	2173.8	2211.7	2233.4	2237.6	2233.4	2211.7	2173.8	2120.6	2051.7	1968.2	1876.3
-47.5°	1937.2	1967.2	1982.5	1983.1	1982.5	1967.2	1937.2	1891.4	1832.8	1762.8	1691.2
-50°	1735.9	1763.6	1777.6	1778.5	1777.6	1763.6	1735.9	1695.9	1647.4	1589.4	1531.8
-52.5°	1560.3	1582.4	1592.6	1592.8	1592.6	1582.4	1560.3	1528.7	1490.2	1441.4	1394.7
-55°	1414.5	1431.7	1438.1	1436.8	1438.1	1431.7	1414.5	1389.5	1358.9	1317.9	1278.4
-57.5°	1295.3	1312.0	1317.3	1315.6	1317.3	1312.0	1295.3	1273.3	1246.9	1211.9	1176.3
-60°	1178.3	1196.3	1203.1	1202.5	1203.1	1196.3	1178.3	1152.8	1120.2	1080.1	1035.9
-62.5°	993.3	1007.1	1014.5	1016.8	1014.5	1007.1	993.3	971.5	940.9	904.9	864.8
-65°	796.6	807.6	813.5	815.4	813.5	807.6	796.6	779.3	754.2	725.4	693.2
-67.5°	618.3	626.2	630.0	630.9	630.0	626.2	618.3	605.9	587.0	565.1	540.5
-70°	478.2	484.6	487.7	488.8	487.7	484.6	478.2	468.8	453.6	436.9	418.8
-72.5°	377.1	382.3	384.4	385.3	384.4	382.3	377.1	370.1	357.8	344.8	331.6
-75°	304.5	307.6	308.9	309.5	308.9	307.6	304.5	300.1	290.8	281.1	271.0
-77.5°	256.8	260.1	261.3	262.1	261.3	260.1	256.8	253.0	245.9	238.4	229.5
-80°	227.2	229.5	230.5	231.2	230.5	229.5	227.2	224.4	218.3	212.0	205.0
-82.5°	206.3	209.4	209.6	209.7	209.6	209.4	206.3	202.9	197.7	192.3	186.3
-85°	186.3	188.6	189.1	189.5	189.1	188.6	186.3	183.8	179.1	174.3	169.2
-87.5°	168.8	171.1	171.2	171.2	171.2	171.1	168.8	166.5	162.3	158.1	153.5
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	138.3	135.5	132.6	130.7	128.8	126.0	123.2	119.1	114.9	110.8	106.7
87.5°	1.9	1.9	1.8	1.9	1.9	2.2	2.4	2.4	2.5	2.5	2.5
85°	1.9	2.2	2.4	2.4	2.3	2.4	2.5	2.7	2.9	2.8	2.8
82.5°	2.4	2.4	2.5	2.5	2.5	2.7	2.8	3.0	3.2	3.3	3.3
80°	2.5	2.5	2.5	2.7	2.9	3.0	3.2	3.3	3.3	3.5	3.7
77.5°	2.5	2.5	2.6	2.9	3.2	3.3	3.3	3.6	3.7	3.7	3.8
75°	3.7	3.5	3.4	3.6	3.7	3.7	3.7	3.8	3.9	4.0	3.9
72.5°	6.7	6.5	6.2	5.9	5.6	5.7	5.7	5.3	5.0	4.7	4.3
70°	10.2	10.5	10.8	10.8	10.9	10.9	10.1	8.9	7.9	7.4	6.4
67.5°	13.5	13.9	14.8	16.3	16.1	15.8	15.2	14.3	12.7	11.3	9.3
65°	15.3	16.1	16.1	16.0	17.1	18.2	19.3	18.9	18.8	16.8	13.3
62.5°	13.1	14.5	14.0	13.7	15.3	18.3	23.0	25.1	26.3	24.5	20.0
60°	7.7	8.6	9.2	10.3	12.1	17.3	24.7	30.1	34.8	31.7	26.5
57.5°	3.8	4.5	5.9	7.6	9.7	16.4	25.0	32.4	37.7	35.6	32.3
55°	6.2	7.2	7.9	8.6	9.3	16.6	24.2	31.8	37.5	36.9	34.1
52.5°	19.4	22.6	22.5	18.4	19.0	23.2	25.1	33.1	38.3	38.9	36.6
50°	80.6	83.7	72.8	60.1	60.2	47.6	49.6	47.6	46.1	47.3	42.7
47.5°	214.4	203.7	179.6	160.6	143.7	124.9	115.8	93.8	89.3	68.9	65.3
45°	366.5	350.1	321.9	290.0	262.7	238.3	215.7	197.9	164.1	146.1	103.1
42.5°	509.5	483.6	450.7	416.1	383.5	347.2	320.3	299.5	276.5	241.8	204.1
40°	723.1	608.5	566.8	526.1	482.5	440.5	409.8	378.3	362.1	334.9	298.3
37.5°	1131.8	881.3	757.1	634.5	581.0	534.1	498.7	466.4	435.3	411.4	376.9
35°	1801.9	1442.7	1111.6	884.5	704.8	642.1	595.6	558.7	520.3	481.7	449.1
32.5°	2643.8	2198.2	1727.9	1320.7	994.2	791.2	710.0	657.5	608.3	560.8	514.2
30°	3656.1	3097.4	2502.1	1952.6	1501.8	1112.1	857.4	769.1	702.6	642.7	581.6
27.5°	5401.2	4229.9	3508.6	2820.5	2249.2	1705.0	1213.1	893.4	805.0	731.8	659.2
25°	7792.4	6467.9	5164.3	4229.3	3463.3	2533.4	1744.2	1206.3	928.4	825.5	739.1
22.5°	10785.9	9003.9	7371.2	5935.2	4817.0	3619.2	2495.3	1552.9	1061.4	924.6	822.9
20°	14570.5	11657.5	9616.1	7777.1	6167.3	4650.5	3228.6	2078.6	1353.7	1030.5	904.4
17.5°	19568.6	15269.1	12128.3	9764.1	7717.7	5923.8	4205.0	2737.1	1627.4	1138.2	984.6
15°	24851.0	19365.9	15097.3	11753.1	9134.0	7049.6	5197.8	3396.9	2009.5	1328.9	1074.0
12.5°	30502.5	23856.8	18148.2	13774.4	10473.8	8036.5	6011.6	4116.5	2525.0	1553.1	1150.0
10°	35259.6	27710.1	21265.6	16120.9	12214.7	9134.8	6706.8	4686.3	2937.0	1748.8	1216.9
7.5°	40253.3	30956.9	23641.9	17792.3	13557.1	10295.2	7422.9	5109.5	3252.9	1894.6	1268.4
5°	43659.0	33111.1	25254.7	18929.0	14404.1	11086.6	8098.4	5403.2	3453.1	1994.2	1311.5
2.5°	45793.9	34281.9	26126.7	19775.5	14850.2	11484.6	8627.5	5774.8	3622.4	2083.0	1354.7
0°	47017.8	35356.5	26849.9	20304.9	15097.7	11700.4	8902.0	6205.8	3736.4	2142.3	1389.5
-2.5°	48035.5	35550.9	26684.6	19896.4	14944.4	11596.2	8841.3	6370.0	3982.8	2202.4	1426.6
-5°	46930.4	35062.2	26092.8	19394.3	14734.0	11432.1	8713.5	6322.1	4050.5	2228.3	1453.0
-7.5°	44315.5	33605.6	25111.9	18660.0	14314.5	11157.3	8475.3	6051.2	3883.5	2240.0	1488.1
-10°	40365.5	31260.1	23458.9	17664.5	13712.4	10732.7	8125.1	5739.5	3658.1	2191.9	1510.8
-12.5°	36187.1	28337.4	21462.4	16273.1	12877.1	10132.2	7627.3	5311.1	3348.4	2082.3	1528.0
-15°	31694.8	25076.6	19443.5	15104.5	11900.1	9349.6	6993.8	4764.1	2948.2	1924.1	1530.9
-17.5°	27037.5	21802.2	17076.0	13566.9	10804.4	8429.2	6216.4	4213.8	2657.4	1805.8	1522.5
-20°	22347.6	18541.8	15128.0	12121.2	9551.7	7313.4	5289.3	3546.4	2360.1	1776.9	1518.8



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18349.4	15793.2	13187.5	10574.0	8327.3	6194.4	4347.9	2882.0	2001.4	1714.3	1496.3
-25°	15424.0	13348.6	11220.1	9122.5	7015.2	5032.1	3402.0	2407.9	1881.0	1656.4	1455.1
-27.5°	12824.0	11029.6	9253.6	7425.8	5586.8	3921.6	2702.1	1984.9	1760.5	1579.1	1413.4
-30°	10392.1	8845.9	7281.0	5681.8	4234.6	2948.2	2125.1	1849.7	1659.6	1496.4	1347.8
-32.5°	8048.7	6756.2	5383.3	4121.6	3021.9	2257.5	1921.3	1719.9	1562.6	1418.7	1286.1
-35°	5826.6	4813.5	3720.9	2899.3	2212.3	1962.4	1777.4	1618.2	1472.2	1340.6	1223.2
-37.5°	3898.0	3168.6	2621.5	2121.9	1959.8	1801.8	1659.3	1518.7	1382.9	1270.2	1166.8
-40°	2607.0	2172.9	2050.7	1917.9	1794.7	1671.2	1545.0	1418.1	1307.1	1204.1	1113.2
-42.5°	2013.1	1925.7	1845.5	1752.7	1652.6	1545.7	1434.5	1330.5	1233.3	1145.8	1064.5
-45°	1806.2	1738.9	1674.8	1604.0	1519.3	1429.8	1335.3	1248.9	1166.0	1090.3	1016.1
-47.5°	1630.7	1577.1	1522.4	1468.0	1399.1	1325.7	1251.0	1174.7	1105.0	1031.4	925.9
-50°	1478.1	1435.4	1389.1	1343.9	1295.1	1239.4	1174.8	1109.7	1030.2	930.4	831.6
-52.5°	1351.9	1315.1	1277.4	1242.9	1205.7	1159.2	1101.7	1012.8	921.1	825.8	733.1
-55°	1243.7	1212.7	1181.5	1154.5	1119.6	1052.0	979.0	893.2	803.9	716.1	636.4
-57.5°	1149.1	1114.8	1069.2	1024.4	979.1	915.4	843.3	762.8	686.4	612.9	540.6
-60°	1000.5	962.0	916.3	869.6	823.7	767.5	707.0	641.8	573.9	513.4	453.4
-62.5°	829.8	793.2	753.4	713.6	676.5	633.1	580.2	528.1	473.0	419.5	376.2
-65°	664.2	635.2	602.2	570.6	541.4	509.3	464.9	425.3	386.2	346.2	308.5
-67.5°	517.4	494.7	469.1	444.0	425.4	405.4	376.0	343.7	315.2	289.3	265.2
-70°	401.9	387.0	370.6	352.7	338.5	326.1	307.8	286.2	263.8	243.7	225.3
-72.5°	319.5	310.1	299.7	288.4	277.0	267.7	255.1	239.3	222.7	205.1	190.5
-75°	261.2	254.3	246.7	238.9	230.7	221.9	213.7	204.3	194.1	183.3	173.3
-77.5°	221.3	216.5	211.6	207.3	202.8	197.8	191.8	183.4	175.4	167.0	159.2
-80°	198.3	194.3	190.3	187.1	183.6	179.5	174.7	167.8	160.7	153.5	146.7
-82.5°	180.4	177.0	173.6	170.5	167.3	163.5	159.5	153.5	147.5	141.2	135.0
-85°	164.0	161.0	157.8	155.0	152.1	148.7	145.2	140.0	134.8	129.1	123.5
-87.5°	149.0	146.0	142.9	140.8	138.6	135.5	132.4	128.0	123.6	118.7	113.8
-90°	1.3	1.3	1.3	1.6	1.9	1.9	1.9	2.2	2.5	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	103.0	99.2	95.4	91.6	88.5	85.3	81.8	78.3	73.6	68.8	61.6
87.5°	2.7	3.0	3.2	3.5	3.5	3.5	3.8	4.1	4.0	4.0	4.3
85°	3.1	3.4	3.6	3.8	3.8	3.8	4.1	4.3	4.3	4.2	4.5
82.5°	3.5	3.8	3.8	3.8	4.0	4.1	4.4	4.6	4.5	4.5	4.7
80°	3.7	3.8	3.9	4.0	4.2	4.4	4.7	4.9	4.9	4.9	5.0
77.5°	3.8	3.9	4.2	4.3	4.3	4.5	4.8	5.2	5.4	5.4	5.4
75°	3.8	3.9	4.2	4.5	4.5	4.5	4.9	5.2	5.6	5.8	5.8
72.5°	4.2	4.2	4.4	4.6	4.8	4.9	5.1	5.3	5.8	6.1	6.2
70°	5.3	4.8	4.9	5.1	5.2	5.4	5.6	5.8	6.0	6.4	6.5
67.5°	6.9	6.2	5.8	5.7	5.9	6.1	6.2	6.4	6.5	6.7	6.9
65°	11.0	8.9	6.9	6.9	6.8	6.8	6.9	7.2	7.1	7.5	7.3
62.5°	15.9	12.7	10.6	8.8	8.3	8.7	7.7	8.5	7.9	8.3	8.1
60°	21.5	17.1	14.8	13.0	11.7	11.4	10.9	10.2	10.0	9.3	9.2
57.5°	26.2	21.0	19.7	17.7	16.9	15.7	15.0	13.8	12.4	11.6	10.4
55°	29.9	25.5	25.0	23.3	22.9	21.2	20.2	18.5	15.6	14.4	11.8
52.5°	32.0	31.4	30.9	30.8	30.4	27.9	26.8	23.6	21.1	17.4	14.6
50°	37.3	39.4	38.7	40.5	39.1	37.7	33.8	30.6	27.0	21.3	17.6
47.5°	55.1	56.7	52.4	53.7	51.1	49.1	44.2	38.5	33.3	27.1	20.8
45°	101.7	85.3	80.3	74.1	68.1	65.4	56.8	46.9	41.1	33.2	24.1
42.5°	166.5	143.6	128.0	98.7	96.4	85.4	71.8	60.5	49.2	39.6	28.8
40°	254.6	224.1	190.5	159.4	131.9	108.3	94.2	76.2	57.7	46.7	34.6
37.5°	339.2	304.6	270.3	228.2	178.6	146.4	119.7	93.2	68.8	54.8	40.4
35°	409.1	375.3	343.1	297.9	246.2	186.6	147.6	113.8	84.5	63.2	46.4
32.5°	472.0	433.1	394.9	358.2	302.3	227.6	181.5	137.4	100.7	72.0	52.3
30°	532.2	484.8	440.4	404.9	346.8	273.7	215.1	159.8	117.1	81.0	58.4
27.5°	594.8	536.9	484.2	442.9	382.9	313.4	241.5	181.1	133.8	90.9	65.0
25°	661.7	593.7	535.4	482.8	419.2	342.8	265.0	201.4	151.2	102.4	71.4
22.5°	732.6	650.6	584.7	525.6	459.3	371.5	288.0	222.0	164.7	113.1	77.4
20°	799.7	703.6	629.7	561.2	497.8	404.0	311.6	238.8	177.3	123.0	83.1
17.5°	866.4	754.7	664.6	592.4	530.5	437.6	335.8	254.4	189.0	132.2	88.5
15°	929.3	804.5	699.6	620.0	556.7	469.2	359.5	269.1	199.7	140.5	93.8
12.5°	987.6	851.4	734.2	643.8	576.2	497.6	382.2	282.8	209.4	148.9	99.2
10°	1039.9	895.5	768.0	666.5	593.2	522.8	403.4	297.8	221.9	157.1	104.3
7.5°	1082.9	935.9	799.1	688.0	608.5	544.4	426.5	317.1	234.3	164.6	109.0
5°	1119.8	972.3	830.0	713.2	626.2	561.9	447.4	335.2	245.8	171.3	113.3
2.5°	1153.1	1004.2	859.1	737.2	642.7	575.8	465.7	351.9	256.2	177.1	117.2
0°	1180.4	1030.7	884.2	758.5	657.5	586.7	481.3	366.9	265.3	181.9	120.6
-2.5°	1205.1	1049.5	904.9	780.9	682.2	603.0	490.8	374.4	272.8	188.3	124.7
-5°	1223.1	1063.3	921.7	800.5	704.2	616.1	497.6	379.9	278.7	193.6	128.4
-7.5°	1251.6	1079.3	936.7	817.7	723.2	625.7	501.6	383.4	283.0	197.8	131.4
-10°	1273.8	1094.0	950.6	831.9	735.6	633.7	503.7	384.9	285.7	200.6	133.9
-12.5°	1291.1	1104.5	959.8	842.4	745.4	640.6	509.1	386.6	286.8	202.1	135.8
-15°	1304.2	1120.0	969.5	849.6	753.7	644.1	510.5	386.5	285.5	201.9	137.0
-17.5°	1308.4	1126.0	974.3	855.3	759.4	644.3	507.7	383.2	282.3	199.9	137.8
-20°	1310.4	1128.4	972.5	855.8	761.2	636.7	500.3	376.6	277.2	196.7	138.2



REPORT NUMBER: P735960 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-4S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1304.4	1129.4	978.8	854.9	755.0	624.8	488.3	366.8	270.2	192.3	138.0
-25°	1278.9	1124.1	980.0	857.9	739.0	607.9	475.4	356.5	261.1	186.8	137.2
-27.5°	1248.2	1104.4	974.0	854.1	722.6	588.2	461.5	347.8	253.3	180.0	135.8
-30°	1214.3	1081.7	959.9	840.3	700.6	566.8	444.7	336.3	246.1	176.0	133.8
-32.5°	1166.2	1055.3	941.2	811.3	673.4	541.6	424.5	321.9	237.0	173.6	132.0
-35°	1119.5	1023.2	918.4	776.1	641.4	516.0	402.6	304.6	225.9	170.3	130.0
-37.5°	1070.1	983.3	873.5	735.2	603.9	486.5	380.4	288.1	213.0	166.0	127.4
-40°	1025.5	930.2	811.5	688.8	564.7	452.5	355.2	271.9	204.7	160.7	124.1
-42.5°	978.3	858.9	745.8	634.4	521.9	419.4	328.0	253.8	197.9	155.6	120.0
-45°	900.8	785.6	676.1	575.6	475.6	382.9	305.4	235.5	189.7	150.2	116.6
-47.5°	819.0	709.9	606.7	514.0	430.6	345.9	279.1	224.7	180.3	143.8	114.5
-50°	733.9	633.9	538.5	455.9	379.2	314.5	254.0	212.5	172.0	136.6	112.1
-52.5°	646.0	558.3	474.0	397.7	337.1	280.9	236.8	198.4	162.6	131.9	109.4
-55°	558.4	485.4	410.4	347.5	296.0	256.0	218.2	185.0	152.2	128.0	106.4
-57.5°	476.5	412.5	355.2	302.3	263.2	231.8	200.5	170.5	145.6	123.5	104.7
-60°	397.6	351.3	302.9	266.5	235.3	208.6	182.9	157.7	139.7	119.0	102.5
-62.5°	332.9	294.6	266.1	235.6	209.3	187.1	166.1	149.5	132.9	115.8	99.9
-65°	282.0	257.2	231.9	208.2	185.3	167.9	156.3	141.0	127.4	112.3	97.1
-67.5°	242.0	222.0	202.3	181.5	167.4	156.5	145.8	134.3	122.3	108.5	93.9
-70°	206.7	188.9	177.0	166.1	155.1	145.4	137.9	128.2	116.9	104.4	90.5
-72.5°	180.5	171.1	162.0	152.5	144.7	137.5	130.5	121.9	111.4	100.1	86.9
-75°	164.3	156.9	150.0	142.8	136.0	129.4	123.0	115.4	105.8	95.6	83.2
-77.5°	152.8	146.4	139.7	133.2	127.3	121.3	115.3	108.6	100.0	90.8	79.3
-80°	141.3	135.7	129.9	124.2	118.7	113.1	107.8	101.9	94.0	85.9	75.2
-82.5°	129.9	124.8	120.0	115.1	110.3	105.5	100.4	95.0	87.9	80.7	71.4
-85°	119.2	114.9	110.4	105.9	101.8	97.8	93.3	88.8	82.8	76.8	68.2
-87.5°	110.1	106.4	102.5	98.5	95.0	91.6	87.6	83.6	78.2	72.9	64.9
-90°	2.5	2.5	2.9	3.2	3.2	3.2	3.5	3.8	3.8	3.8	4.1



REPORT NUMBER: P735960 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	54.3	45.1	36.0	25.9	15.8	10.7	5.7
87.5°	4.6	4.6	4.6	4.6	4.5	5.2	5.7
85°	4.8	4.8	4.9	4.7	4.6	5.3	5.7
82.5°	5.0	5.1	5.1	4.9	4.8	5.4	5.7
80°	5.2	5.3	5.3	5.1	4.9	5.5	5.7
77.5°	5.5	5.5	5.5	5.2	5.0	5.6	5.7
75°	5.8	5.8	5.7	5.4	5.2	5.7	5.7
72.5°	6.1	6.1	6.0	5.6	5.3	5.9	5.7
70°	6.5	6.3	6.2	5.7	5.5	6.0	5.7
67.5°	6.9	6.6	6.4	6.0	5.6	6.1	5.7
65°	7.4	7.0	6.7	6.2	5.8	6.2	5.7
62.5°	7.9	7.6	6.9	6.5	6.0	6.4	5.7
60°	8.5	8.2	7.2	6.7	6.2	6.5	5.7
57.5°	9.7	8.8	7.9	7.0	6.5	6.6	5.7
55°	11.0	9.5	8.6	7.3	6.9	6.8	5.7
52.5°	12.4	10.3	9.3	7.6	7.3	6.9	5.7
50°	13.9	11.7	10.1	7.8	7.7	7.0	5.7
47.5°	15.6	13.2	10.9	8.2	8.1	7.2	5.7
45°	18.4	14.8	11.8	8.8	8.6	7.3	5.7
42.5°	21.4	16.4	12.6	9.5	9.1	7.4	5.7
40°	24.5	18.1	13.7	10.4	9.6	7.6	5.7
37.5°	27.7	19.8	15.1	11.5	10.1	7.7	5.7
35°	31.0	22.2	16.4	12.6	10.6	7.9	5.7
32.5°	34.7	24.7	17.7	13.8	11.2	8.0	5.7
30°	39.5	27.3	19.1	14.9	11.7	8.1	5.7
27.5°	44.2	29.8	20.9	16.1	12.3	8.3	5.7
25°	48.7	32.2	22.8	17.2	12.9	8.4	5.7
22.5°	53.1	34.8	24.6	18.4	13.5	8.5	5.7
20°	57.3	37.6	26.4	19.5	14.0	8.6	5.7
17.5°	61.7	40.4	28.1	20.6	14.6	8.8	5.7
15°	66.0	43.1	29.8	21.8	15.2	8.9	5.7
12.5°	70.0	45.8	31.4	22.9	15.8	9.0	5.7
10°	73.8	48.2	33.0	23.9	16.3	9.1	5.7
7.5°	77.3	50.6	34.5	25.0	16.8	9.2	5.7
5°	80.5	52.8	35.9	25.9	17.4	9.3	5.7
2.5°	83.4	54.9	37.2	26.9	17.8	9.4	5.7
0°	85.9	56.8	38.5	27.8	18.3	9.5	5.7
-2.5°	88.9	59.1	40.3	29.0	19.0	9.8	5.7
-5°	91.5	61.2	42.0	30.1	19.7	10.2	5.7
-7.5°	93.7	63.1	43.6	31.1	20.3	10.5	5.7
-10°	95.6	64.8	45.1	32.1	20.9	10.8	5.7
-12.5°	97.0	66.4	46.5	33.1	21.4	11.1	5.7
-15°	98.1	67.7	47.8	33.9	21.9	11.4	5.7
-17.5°	98.7	68.8	48.9	34.7	22.4	11.7	5.7
-20°	99.2	69.7	49.9	35.3	22.8	11.9	5.7



REPORT NUMBER: P735960 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-4S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	99.7	70.4	50.7	35.9	23.2	12.2	5.7
-25°	99.7	71.2	51.4	36.4	23.5	12.4	5.7
-27.5°	99.3	71.9	52.0	36.8	23.8	12.6	5.7
-30°	98.4	72.5	52.4	37.2	24.1	12.8	5.7
-32.5°	97.1	72.7	53.1	37.4	24.3	12.9	5.7
-35°	96.6	72.7	53.7	37.5	24.4	13.0	5.7
-37.5°	96.3	72.7	54.1	37.6	24.5	13.2	5.7
-40°	95.7	73.0	54.3	37.5	24.6	13.3	5.7
-42.5°	94.7	73.1	54.5	37.5	24.5	13.3	5.7
-45°	93.2	73.1	54.6	37.6	24.5	13.4	5.7
-47.5°	91.5	72.8	54.5	37.5	24.4	13.4	5.7
-50°	90.6	72.3	54.3	37.5	24.3	13.4	5.7
-52.5°	89.6	71.7	53.9	37.5	24.1	13.4	5.7
-55°	88.4	70.8	53.4	37.3	23.8	13.4	5.7
-57.5°	87.0	69.7	52.7	37.1	23.5	13.3	5.7
-60°	85.3	68.4	51.8	36.7	23.2	13.2	5.7
-62.5°	83.4	67.0	51.1	36.3	22.8	13.1	5.7
-65°	81.3	65.3	50.3	35.7	22.4	13.0	5.7
-67.5°	78.9	63.6	49.3	35.1	22.0	12.8	5.7
-70°	76.3	61.9	48.2	34.3	21.5	12.7	5.7
-72.5°	73.7	60.0	47.0	33.5	20.9	12.5	5.7
-75°	70.9	58.0	45.6	32.7	20.3	12.3	5.7
-77.5°	67.9	55.8	44.2	31.7	19.6	12.1	5.7
-80°	64.7	53.7	42.8	30.7	18.9	11.8	5.7
-82.5°	62.2	51.7	41.2	29.6	18.2	11.6	5.7
-85°	59.7	49.6	39.6	28.4	17.4	11.3	5.7
-87.5°	57.0	47.4	37.8	27.2	16.6	11.0	5.7
-90°	4.4	4.4	4.4	4.4	4.4	5.1	5.7

(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

