

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: P731346 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-40-80-5S-CV1**

Issue Date: 11/16/2023

Test Information

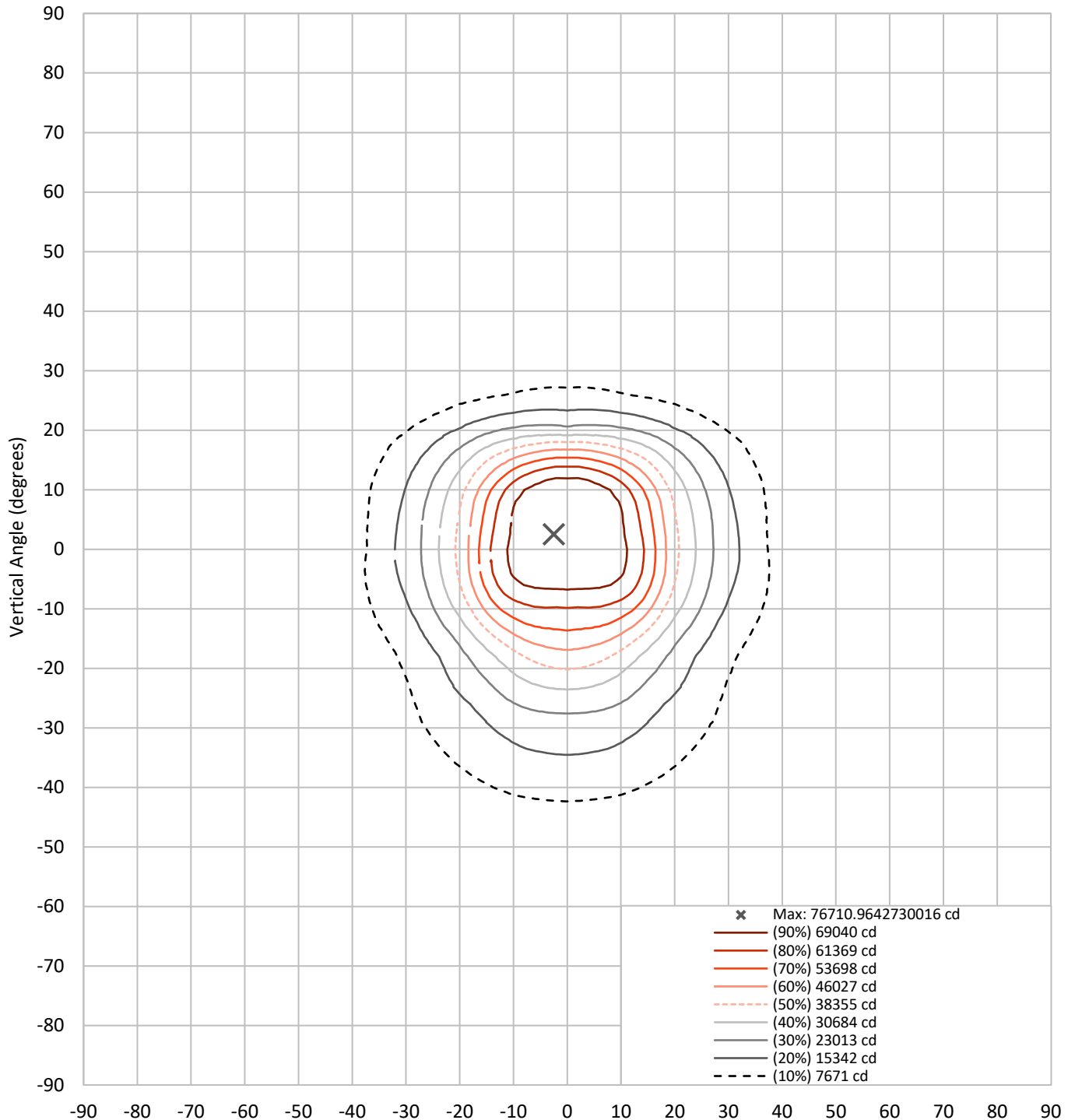
Test Method: LM-79-08
Report Number: P731346 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-40-80-5S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	40954.8 lumens	Max Intensity:	76711 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	118.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	22566.3 lumens	Field Lumens:	38087.2 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%
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





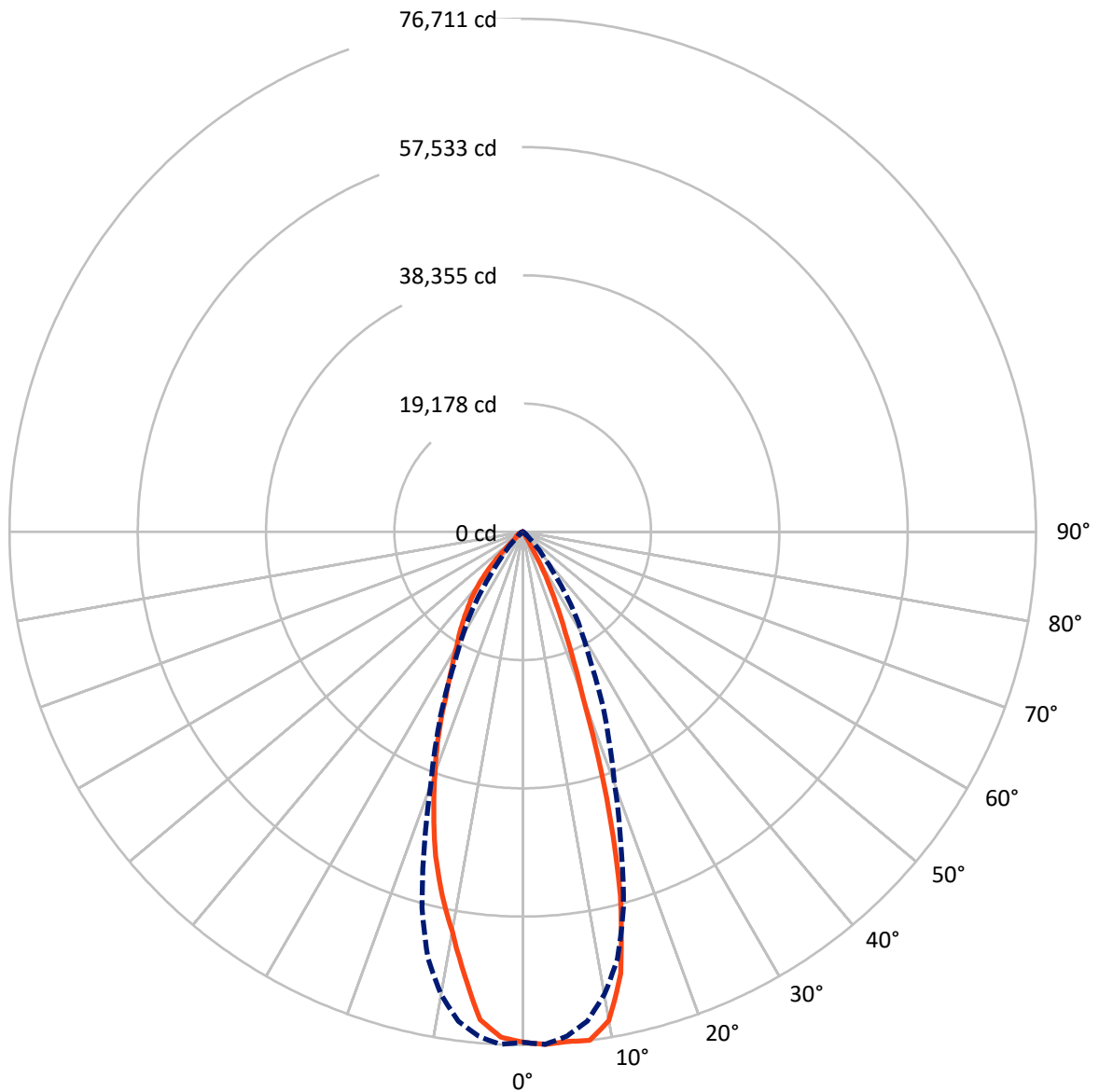
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Lumen Table

90																
80	0.1	0.2		0.3		0.3		0.2		0.3		0.3		0.2		0.1
70																
60	0.1	0.0	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.1
50		0.0	0.1	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.1	0.0	
40	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1
30		0.1	0.4	1.2	2.7	5.8	13.6	19.5	19.5	13.6	5.8	2.7	1.2	0.4	0.1	
20	0.1	0.2	2.2	8.2	44.7	137.1	275.9	371.2	371.2	275.9	137.1	44.7	8.2	2.2	0.2	0.1
10		0.6	5.3	29.5	184.0	523.9	1086.0	1564.1	1564.1	1086.0	523.9	184.0	29.5	5.3	0.6	
0	0.1	1.0	7.2	46.6	264.5	753.7	1628.4	2251.8	2251.8	1628.4	753.7	264.5	46.6	7.2	1.0	0.1
-10		1.2	7.7	48.7	266.4	734.7	1604.7	2127.0	2127.0	1604.7	734.7	266.4	48.7	7.7	1.2	
-20	0.2	1.5	7.4	32.7	175.1	484.6	1030.9	1466.4	1466.4	1030.9	484.6	175.1	32.7	7.4	1.5	0.2
-30		1.4	7.0	18.2	103.2	296.8	576.9	815.9	815.9	576.9	296.8	103.2	18.2	7.0	1.4	
-40	0.2	1.2	5.7	13.5	41.5	163.6	319.3	436.9	436.9	319.3	163.6	41.5	13.5	5.7	1.2	0.2
-50		0.7	3.7	10.6	20.4	38.1	90.2	140.2	140.2	90.2	38.1	20.4	10.6	3.7	0.7	
-60	0.1	0.4	1.9	5.8	12.5	20.4	27.8	32.2	32.2	27.8	20.4	12.5	5.8	1.9	0.4	0.1
-70		0.2	0.7	2.0	4.3	7.3	10.8	12.7	12.7	10.8	7.3	4.3	2.0	0.7	0.2	
-80																
-90	0.1	0.4		1.4		3.4		4.6		3.4		1.4		0.4		0.1

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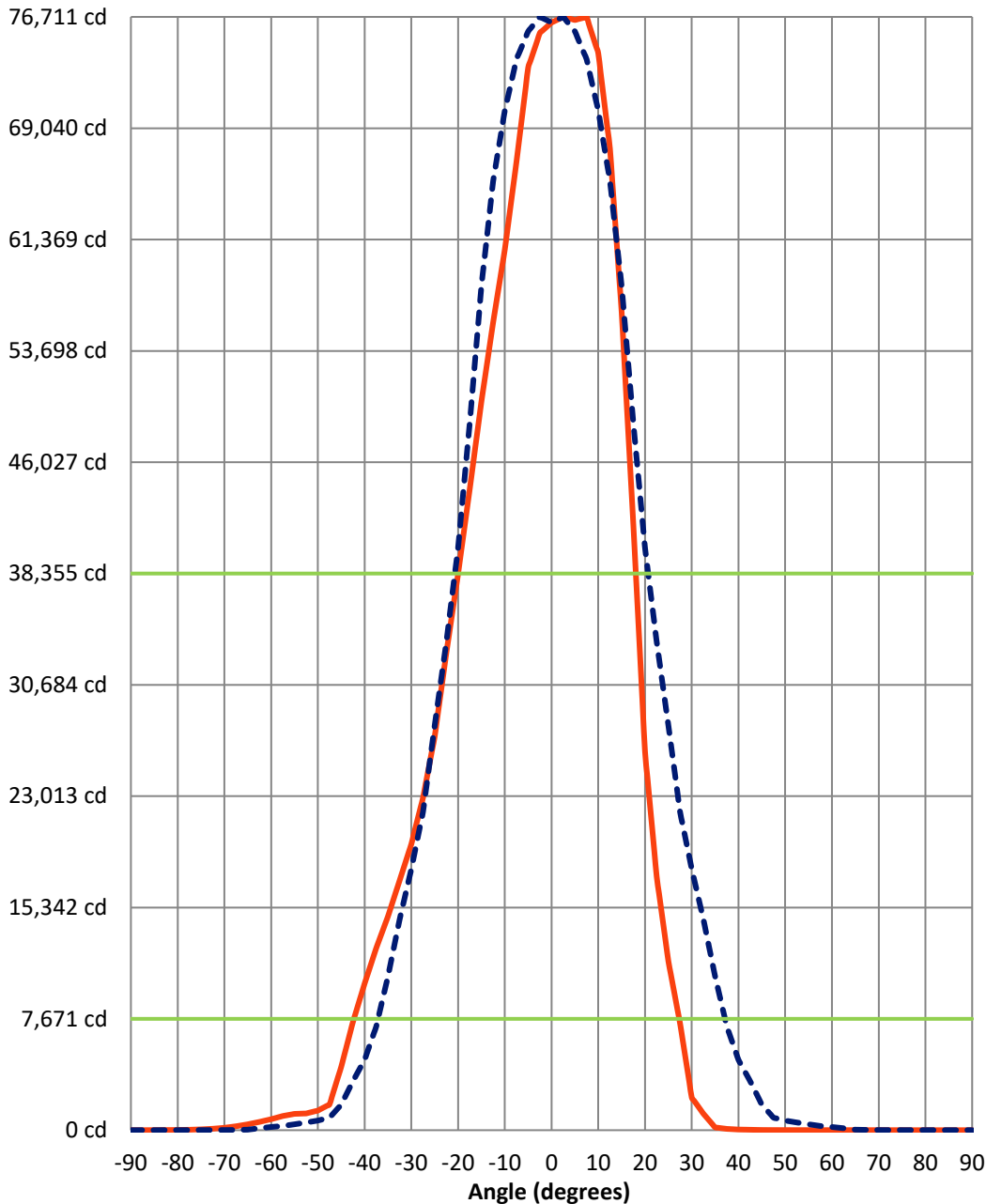
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 2.5-Deg

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Luminous Intensity Plot



Beam:
H Angle: 41.4°
V Angle: 38°
Lumens: 22566.3
Efficiency: 55.1%

Field:
H Angle: 74.2°
V Angle: 69.6°
Lumens: 38087.2
Efficiency: 93.0%

Spill:
Lumens: 2867.7
Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg
- - Horizontal Distribution through 2.5-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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.6	2.5
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1	3.0	2.9	3.0
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.2	3.3
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.3	3.6
52.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.4	3.3	3.6	3.8
50°	3.3	3.3	3.3	3.3	3.3	3.4	3.6	3.5	3.4	3.9	4.4
47.5°	3.3	3.3	3.3	3.3	3.3	3.5	3.7	3.5	3.7	4.2	4.9
45°	3.3	3.3	3.3	3.3	3.3	3.6	3.8	3.6	4.0	4.6	5.4
42.5°	3.3	3.3	3.3	3.3	3.3	3.8	3.8	3.8	4.4	5.0	5.8
40°	3.3	3.3	3.3	3.3	3.4	3.9	3.9	4.0	4.7	5.3	6.1
37.5°	3.3	3.3	3.3	3.3	3.5	4.1	3.9	4.3	5.0	5.7	6.4
35°	3.3	3.3	3.3	3.4	3.6	4.2	4.0	4.6	5.3	6.1	6.8
32.5°	3.3	3.3	3.3	3.4	3.7	4.2	4.1	4.9	5.6	6.5	7.7
30°	3.3	3.3	3.3	3.5	3.8	4.3	4.3	5.1	5.9	6.9	8.8
27.5°	3.3	3.3	3.3	3.5	3.9	4.3	4.5	5.3	6.2	7.4	10.0
25°	3.3	3.3	3.3	3.6	4.0	4.4	4.7	5.6	6.6	8.2	11.4
22.5°	3.3	3.3	3.3	3.7	4.1	4.4	4.9	5.8	7.0	9.3	14.0
20°	3.3	3.3	3.3	3.7	4.2	4.4	5.1	6.0	7.4	10.4	16.8
17.5°	3.3	3.3	3.3	3.8	4.3	4.4	5.2	6.2	7.7	11.5	19.7
15°	3.3	3.3	3.3	3.9	4.3	4.4	5.3	6.3	8.1	12.7	22.7
12.5°	3.3	3.3	3.3	4.0	4.4	4.4	5.3	6.4	8.5	13.8	25.8
10°	3.3	3.3	3.3	4.1	4.4	4.4	5.4	6.5	8.8	15.1	28.7
7.5°	3.3	3.3	3.3	4.2	4.4	4.4	5.4	6.5	9.1	16.4	31.5
5°	3.3	3.3	3.3	4.2	4.4	4.4	5.5	6.6	9.4	17.6	34.1
2.5°	3.3	3.3	3.3	4.3	4.4	4.4	5.5	6.6	9.7	18.7	36.4
0°	3.3	3.3	3.3	4.4	4.4	4.4	5.5	6.6	9.9	19.7	38.4
-2.5°	3.3	3.3	3.3	4.4	4.4	4.5	5.8	7.8	13.2	25.7	47.9
-5°	3.3	3.3	3.4	4.4	4.4	4.6	6.1	8.9	16.4	31.4	56.8
-7.5°	3.3	3.3	3.4	4.4	4.4	4.7	6.3	10.0	19.4	36.7	64.9
-10°	3.3	3.3	3.5	4.4	4.4	4.8	6.5	10.9	21.9	41.3	72.1
-12.5°	3.3	3.3	3.5	4.3	4.4	4.9	6.7	11.7	24.1	45.4	79.0
-15°	3.3	3.3	3.6	4.3	4.4	5.0	6.8	12.3	26.1	49.3	84.9
-17.5°	3.3	3.3	3.6	4.3	4.4	5.0	6.9	13.2	28.0	52.3	89.2
-20°	3.3	3.3	3.6	4.3	4.4	5.1	7.2	14.2	29.3	54.3	91.7



REPORT NUMBER: P731346 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.3	3.3	3.7	4.3	4.4	5.1	7.8	15.0	30.0	55.2	92.3
-25°	3.3	3.3	3.7	4.3	4.4	5.2	8.2	15.4	29.9	54.9	90.8
-27.5°	3.3	3.3	3.7	4.3	4.4	5.3	8.4	15.4	29.1	53.9	90.2
-30°	3.3	3.3	3.7	4.3	4.4	5.3	8.4	15.1	28.6	52.9	88.1
-32.5°	3.3	3.3	3.7	4.3	4.5	5.2	8.2	14.9	28.2	50.8	84.3
-35°	3.3	3.3	3.7	4.3	4.5	5.1	8.0	14.7	27.1	47.7	78.7
-37.5°	3.3	3.3	3.7	4.3	4.5	5.0	7.9	14.2	25.5	43.4	71.5
-40°	3.3	3.3	3.7	4.4	4.6	5.0	7.6	13.3	23.2	40.3	64.4
-42.5°	3.3	3.3	3.7	4.4	4.6	5.0	7.2	12.0	21.4	36.5	56.5
-45°	3.3	3.3	3.6	4.4	4.6	5.1	6.6	10.9	19.6	32.2	48.3
-47.5°	3.3	3.3	3.6	4.4	4.6	5.0	5.9	10.0	17.3	27.5	43.0
-50°	3.3	3.3	3.5	4.3	4.6	5.0	5.7	9.0	14.6	24.3	37.2
-52.5°	3.3	3.3	3.5	4.2	4.5	5.0	5.7	7.7	12.6	20.6	31.1
-55°	3.3	3.3	3.4	4.1	4.5	4.9	5.5	6.5	10.9	16.6	26.4
-57.5°	3.3	3.3	3.4	4.0	4.5	4.8	5.4	6.3	9.0	13.9	21.3
-60°	3.3	3.3	3.3	3.9	4.4	4.7	5.3	6.1	7.3	11.5	16.7
-62.5°	3.3	3.3	3.3	3.8	4.3	4.6	5.1	5.8	6.9	8.9	13.6
-65°	3.3	3.3	3.3	3.7	4.2	4.5	4.9	5.5	6.4	7.8	10.3
-67.5°	3.3	3.3	3.3	3.6	4.1	4.4	4.7	5.2	5.9	7.0	8.5
-70°	3.3	3.3	3.3	3.5	4.0	4.3	4.4	5.0	5.6	6.2	7.4
-72.5°	3.3	3.3	3.3	3.5	3.9	4.2	4.4	4.7	5.3	5.8	6.4
-75°	3.3	3.3	3.3	3.5	3.8	4.2	4.4	4.6	4.9	5.4	6.0
-77.5°	3.3	3.3	3.3	3.5	3.8	4.1	4.4	4.5	4.8	5.1	5.6
-80°	3.3	3.3	3.3	3.4	3.7	4.0	4.4	4.4	4.6	4.8	5.1
-82.5°	3.3	3.3	3.3	3.4	3.6	3.8	4.1	4.3	4.4	4.5	4.7
-85°	3.3	3.3	3.3	3.4	3.5	3.7	3.9	4.0	4.1	4.1	4.2
-87.5°	3.3	3.3	3.3	3.3	3.4	3.5	3.6	3.6	3.7	3.7	3.8
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2



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 CATALOG NUMBER: EPH-LS-08-0320N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.5	2.5	2.4	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.3
80°	2.9	2.8	2.5	2.2	2.3	2.5	2.7	3.1	3.0	2.8	2.7
77.5°	3.1	2.8	2.5	2.3	2.4	2.8	3.1	3.3	3.2	3.2	3.3
75°	3.1	2.8	2.7	2.7	3.0	3.2	3.3	3.5	3.7	3.7	3.6
72.5°	3.2	3.1	3.1	3.3	3.3	3.5	3.8	4.2	4.4	4.4	4.3
70°	3.3	3.3	3.3	3.3	3.4	3.7	4.3	4.9	5.2	5.4	6.0
67.5°	3.3	3.3	3.3	3.4	3.8	4.4	5.0	6.3	7.9	8.6	9.1
65°	3.3	3.3	3.4	3.8	4.3	5.2	6.6	8.5	11.7	13.2	13.9
62.5°	3.3	3.4	3.7	4.3	4.9	6.1	8.9	12.4	16.5	18.8	18.3
60°	3.3	3.4	4.1	5.0	5.8	8.3	11.9	16.1	21.3	25.1	22.5
57.5°	3.4	3.9	5.0	6.0	7.9	10.3	14.0	19.0	24.3	30.0	25.9
55°	3.8	4.8	5.8	7.3	9.3	11.2	14.9	19.6	25.5	29.1	25.5
52.5°	4.6	5.6	6.6	8.3	10.2	11.7	13.9	18.3	21.8	24.7	22.8
50°	5.3	6.0	7.1	9.1	10.8	11.7	11.6	14.9	17.8	19.1	19.3
47.5°	5.8	6.5	7.8	9.8	11.1	11.4	10.4	12.1	14.2	15.6	15.2
45°	6.2	7.2	8.6	10.3	11.4	11.0	10.8	10.2	12.9	14.1	14.3
42.5°	6.6	8.0	9.7	11.0	11.5	12.0	12.3	12.4	13.8	16.5	17.9
40°	7.2	8.8	11.0	12.2	12.4	14.2	16.2	17.7	18.6	22.4	25.0
37.5°	7.9	10.2	12.9	14.8	15.1	18.4	21.4	31.1	33.1	30.2	39.7
35°	8.6	11.8	16.2	20.8	23.5	24.3	37.7	50.9	56.5	55.3	63.3
32.5°	9.7	13.5	20.6	31.1	41.5	44.2	58.5	80.7	100.6	108.6	103.7
30°	11.6	17.6	27.7	44.2	67.8	93.7	97.8	122.5	162.6	195.4	244.3
27.5°	14.4	22.9	40.2	68.3	106.0	159.0	172.0	193.5	253.3	335.4	493.2
25°	17.7	36.4	54.5	100.3	170.2	232.3	256.8	297.3	366.6	632.3	995.7
22.5°	25.0	54.4	84.0	137.3	244.9	309.2	353.4	421.4	586.1	1010.4	1717.8
20°	38.0	79.5	121.2	183.9	324.1	390.2	449.7	553.0	920.7	1709.8	2859.6
17.5°	53.3	106.5	159.7	240.1	366.8	457.2	549.3	688.0	1272.0	2525.5	4053.2
15°	70.4	135.1	195.8	288.7	404.1	501.4	629.9	949.6	1829.6	3456.8	5149.5
12.5°	88.6	164.7	229.7	330.3	438.8	543.0	696.0	1173.2	2410.8	4302.9	6275.8
10°	107.5	194.5	261.3	365.2	470.6	581.4	755.9	1377.5	2820.6	4620.2	6815.4
7.5°	119.2	213.2	286.8	394.4	499.3	616.5	809.0	1557.9	3110.6	4780.3	7037.7
5°	128.0	217.9	289.4	402.9	517.7	644.4	850.4	1709.3	3290.8	4803.0	7106.3
2.5°	134.7	219.8	289.9	405.5	528.7	663.3	864.5	1759.3	3373.4	4846.9	7153.8
0°	139.3	219.3	288.4	404.6	536.2	677.7	869.6	1768.8	3375.2	4875.3	7171.6
-2.5°	146.7	227.2	303.1	421.6	544.7	680.7	876.7	1818.6	3539.0	5182.3	7712.7
-5°	152.0	233.0	315.2	434.9	549.7	679.2	875.5	1821.2	3559.6	5253.5	7734.7
-7.5°	155.3	236.9	324.4	442.8	545.3	662.1	845.6	1674.1	3246.4	4931.3	7209.2
-10°	157.2	241.9	330.9	438.2	529.1	634.1	803.1	1492.0	2871.8	4516.9	6574.1
-12.5°	160.8	247.7	335.2	432.8	513.9	603.2	753.1	1280.3	2446.5	4010.3	5838.1
-15°	162.0	251.5	337.4	427.6	501.3	570.0	695.9	1043.1	2020.2	3565.6	5109.6
-17.5°	160.5	253.3	337.5	423.3	492.3	535.0	637.4	838.1	1702.4	3133.8	4558.6
-20°	156.5	253.2	335.7	420.7	486.7	523.5	618.1	793.4	1429.2	2628.0	4037.9



REPORT NUMBER: P731346 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	149.8	251.0	332.5	416.2	486.1	534.1	601.8	737.2	1086.6	2043.9	3498.3
-25°	145.3	241.6	327.4	404.8	482.8	545.5	584.2	677.0	872.0	1597.8	2770.9
-27.5°	143.2	228.9	312.2	388.3	474.3	552.0	587.5	655.1	793.1	1107.8	2004.8
-30°	138.4	207.6	293.9	367.6	454.5	538.9	600.4	632.5	721.6	905.0	1432.7
-32.5°	128.6	185.8	269.7	345.1	427.0	519.5	602.7	634.4	691.9	797.6	995.3
-35°	117.4	171.8	243.3	319.0	394.1	487.8	575.9	643.3	668.5	744.9	883.0
-37.5°	107.6	155.5	216.4	289.9	362.5	448.7	545.7	624.1	676.1	709.6	811.6
-40°	96.3	136.8	194.2	260.1	330.6	409.3	499.0	590.6	664.4	727.8	770.6
-42.5°	83.8	122.4	171.2	230.4	298.4	371.3	449.0	539.6	634.0	724.4	790.4
-45°	74.1	106.4	147.0	202.6	264.1	331.5	404.2	480.8	579.4	681.3	773.6
-47.5°	63.3	90.2	127.4	172.4	229.4	291.1	357.1	429.5	510.8	608.8	714.8
-50°	52.9	77.1	105.8	146.0	193.6	249.6	310.0	373.2	445.2	526.7	619.9
-52.5°	45.8	63.0	88.6	119.3	160.2	207.8	261.1	316.9	378.3	445.3	521.9
-55°	38.2	53.0	71.5	96.9	127.7	168.4	211.9	261.4	312.4	370.6	429.6
-57.5°	31.4	43.7	58.1	76.6	101.3	129.3	167.1	206.2	251.5	298.7	345.7
-60°	25.1	34.8	46.7	60.9	77.6	100.7	124.7	157.3	193.5	229.0	268.3
-62.5°	18.8	26.8	36.1	47.3	60.9	74.3	93.4	115.7	139.5	168.7	197.5
-65°	14.9	19.4	26.4	35.4	45.1	56.6	68.5	80.5	99.6	118.6	136.5
-67.5°	10.8	14.8	18.9	23.9	32.1	40.2	48.8	59.3	69.9	79.8	91.4
-70°	8.9	10.4	13.7	17.4	21.0	25.3	32.4	39.8	47.3	54.8	63.1
-72.5°	7.4	8.7	10.2	11.7	14.6	17.5	20.3	23.0	27.7	33.9	39.7
-75°	6.5	7.0	8.1	9.4	10.6	11.8	13.1	15.5	17.8	20.2	22.5
-77.5°	5.9	6.3	6.7	7.3	8.0	9.1	10.0	11.0	12.0	12.9	13.8
-80°	5.3	5.5	5.8	6.1	6.5	7.0	7.6	8.2	8.8	9.6	10.3
-82.5°	4.8	4.9	5.1	5.2	5.3	5.4	5.6	5.9	6.2	6.6	7.0
-85°	4.3	4.4	4.5	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.0
-87.5°	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.2
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P731346 (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°
90°	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2	2.2	2.2
87.5°	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	1.9	1.6
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.7
80°	2.5	2.5	2.5	2.4	2.2	2.2	2.2	2.2	2.2	1.9	1.7
77.5°	3.3	3.1	2.8	2.5	2.3	2.2	2.2	2.2	2.2	2.0	1.7
75°	3.4	3.2	3.0	2.9	2.8	2.7	2.6	2.4	2.2	2.2	2.2
72.5°	4.2	4.1	4.1	4.2	4.2	4.1	3.8	3.5	3.2	3.1	3.2
70°	6.4	6.6	6.6	6.5	6.2	5.6	5.2	4.8	4.3	4.2	4.3
67.5°	9.7	9.9	9.6	8.9	7.7	6.7	6.1	5.5	4.7	4.5	4.8
65°	13.8	12.2	10.9	9.7	8.7	7.8	7.1	6.3	5.6	5.5	6.1
62.5°	16.4	13.0	11.0	10.0	9.3	8.7	7.7	6.8	6.0	5.6	5.6
60°	18.7	13.8	10.4	9.5	8.7	7.8	6.8	6.0	5.2	4.7	4.6
57.5°	19.8	14.1	9.6	8.3	7.1	6.0	5.4	5.2	4.8	4.4	4.7
55°	19.1	13.1	8.1	7.2	6.8	6.6	6.4	5.8	5.4	5.1	5.3
52.5°	16.3	11.9	8.7	7.5	7.2	6.9	6.6	6.5	6.4	6.2	6.3
50°	14.6	11.2	8.9	7.6	7.6	7.6	7.6	7.7	7.8	7.9	8.0
47.5°	13.0	10.5	9.9	8.7	8.9	9.6	9.7	9.9	10.5	10.4	10.1
45°	13.0	13.9	13.6	12.9	12.4	17.3	17.6	14.8	17.5	17.2	15.0
42.5°	19.0	20.4	20.7	25.5	34.4	33.9	33.0	37.4	34.4	30.1	27.0
40°	29.4	29.4	35.0	43.0	42.7	41.0	46.4	47.1	46.8	49.2	48.4
37.5°	46.9	47.5	50.0	54.8	63.1	59.2	71.0	78.7	79.8	90.5	98.7
35°	78.0	91.4	79.5	107.9	126.6	122.6	139.8	170.7	141.6	216.8	230.4
32.5°	146.2	176.3	199.4	232.0	274.0	336.1	340.7	560.6	604.5	734.3	911.8
30°	251.7	339.0	506.7	550.5	618.1	875.4	1179.6	1560.3	1914.1	2166.9	2499.4
27.5°	606.0	750.2	1111.5	1504.0	1481.1	1961.8	3049.9	3384.7	4303.5	4609.1	5384.7
25°	1355.5	1700.8	2575.2	3354.6	3751.7	5018.4	6454.0	7101.4	8311.7	8955.3	9904.7
22.5°	2650.8	3598.1	4757.9	5954.7	7445.9	9385.4	11160.1	12455.5	14085.1	15393.4	16167.8
20°	4290.5	5601.3	7387.4	9246.4	11553.1	14101.0	15953.3	18577.7	21028.8	23356.3	24406.1
17.5°	5851.9	8041.9	10202.8	12446.6	15472.4	18805.3	21824.2	25662.6	29726.8	32852.2	35400.0
15°	7174.8	9611.7	12729.5	15411.2	18874.5	23030.7	27518.8	32425.9	38270.7	42713.0	47496.9
12.5°	8396.1	10839.6	14222.4	17425.1	22088.5	26782.6	32020.1	38117.4	44873.8	51445.2	57609.5
10°	9182.4	11998.6	15623.6	19514.5	24291.5	29742.3	35700.1	42530.7	51189.1	58701.7	65646.4
7.5°	9658.0	13055.5	16809.2	20958.1	26071.9	31681.0	37955.5	46007.8	55105.1	62952.3	69191.3
5°	10125.9	13921.4	17574.4	21654.0	27230.7	32938.5	39058.6	47135.9	56518.9	64373.6	69976.2
2.5°	10595.0	14517.6	17994.8	21930.9	27888.8	33649.3	40128.9	48734.2	58165.7	65379.5	70246.3
0°	11023.8	14730.2	18146.0	22000.5	28175.2	33959.6	40556.6	49053.9	59575.5	66513.4	71225.4
-2.5°	11179.3	14718.7	17982.5	21804.2	27936.1	33534.8	40100.4	49257.9	59076.6	66136.4	70921.0
-5°	10706.4	13918.3	17094.5	20965.5	26665.6	32444.6	39054.4	48134.8	57455.3	64763.9	69326.4
-7.5°	9817.1	12719.2	15843.3	19679.1	24858.3	30442.8	36459.8	44391.3	53567.2	60375.9	63969.4
-10°	8886.4	11375.6	14326.8	17877.0	22441.1	27744.5	32732.0	39480.9	47961.7	53998.0	57675.5
-12.5°	7822.4	9842.3	12566.3	15669.4	19743.3	24366.9	28928.6	34637.0	41113.9	47322.4	51151.0
-15°	6705.3	8330.9	10697.7	13675.4	16892.7	20351.0	24569.5	29193.5	34358.0	39390.3	43751.9
-17.5°	5811.2	7065.7	9237.6	11913.6	14366.9	17172.4	21284.0	25043.1	28822.7	32881.4	36514.8
-20°	5236.2	6413.7	8168.1	10402.4	12836.1	15664.2	18841.5	22129.3	25642.7	28758.8	31961.3



REPORT NUMBER: P731346 (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°	4777.2	5987.5	7341.2	9203.2	11793.6	14391.9	16836.1	19352.1	22267.0	25449.9	28132.7
-25°	4181.0	5450.2	6736.3	8507.3	10688.3	12984.8	14784.3	16575.7	19205.8	21912.7	24130.5
-27.5°	3351.9	4786.9	6288.5	7730.0	9589.1	11222.4	12803.7	14427.3	16720.5	19005.5	20662.6
-30°	2391.8	4049.3	5608.8	7081.8	8358.2	9644.3	10966.8	12628.8	14545.9	16384.4	17793.0
-32.5°	1750.2	2992.1	4678.6	6182.0	7431.1	8507.7	9523.4	11002.2	12502.0	13976.3	15322.6
-35°	1116.8	2024.5	3338.6	4869.5	6336.1	7479.1	8583.4	9654.9	10782.2	12038.6	13203.7
-37.5°	961.6	1205.6	2013.0	3155.1	4560.6	6054.2	7140.0	8206.7	9357.3	10301.3	11280.8
-40°	871.5	999.0	1203.5	1608.6	2669.9	3723.6	4943.5	6084.4	7184.2	8153.2	9048.2
-42.5°	832.1	908.4	991.0	1144.7	1316.0	1821.2	2710.6	3541.3	4520.2	5492.8	6342.3
-45°	852.0	878.3	920.3	995.9	1066.0	1208.3	1358.2	1514.7	2183.7	2885.1	3486.1
-47.5°	797.5	873.9	914.7	947.5	983.5	1045.5	1109.6	1196.8	1347.6	1500.4	1621.5
-50°	707.0	788.4	859.9	930.4	964.5	989.2	1015.7	1066.8	1136.7	1208.7	1261.7
-52.5°	594.4	673.2	751.9	823.3	881.5	937.7	993.3	1035.2	1071.7	1107.9	1125.3
-55°	493.7	559.4	622.8	687.1	750.6	810.7	872.3	935.0	993.2	1047.1	1073.7
-57.5°	399.0	454.1	508.7	557.7	608.3	659.7	716.8	777.7	837.9	894.2	923.3
-60°	309.2	351.5	396.1	436.1	473.7	508.8	558.1	608.1	655.9	696.7	718.4
-62.5°	226.1	258.8	292.7	324.5	354.6	384.5	421.6	457.8	492.5	520.5	536.9
-65°	156.7	181.1	203.8	225.8	247.1	272.6	300.8	327.8	353.5	372.7	383.5
-67.5°	106.9	121.4	134.1	146.0	161.3	179.3	199.0	217.5	234.8	247.4	255.7
-70°	71.4	79.3	86.3	94.4	104.1	113.9	124.5	135.1	145.3	152.4	156.7
-72.5°	45.3	50.3	55.1	60.6	65.8	71.0	76.2	81.0	85.4	89.5	93.3
-75°	24.9	27.5	31.3	34.8	38.0	41.5	44.9	47.9	50.5	52.3	53.6
-77.5°	15.2	16.9	18.5	19.9	21.1	22.6	24.4	26.1	27.9	29.1	30.0
-80°	11.0	11.6	12.2	12.7	13.3	13.8	14.2	14.5	14.8	15.2	15.6
-82.5°	7.5	7.8	8.1	8.4	8.7	9.1	9.6	10.1	10.5	10.9	11.3
-85°	5.1	5.1	5.1	5.1	5.1	5.4	5.7	6.0	6.4	6.4	6.5
-87.5°	4.2	4.0	3.8	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-90°	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1



REPORT NUMBER: P731346 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.1
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
72.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.2	3.5
70°	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.3	4.8
67.5°	5.1	5.4	5.5	5.5	5.5	5.4	5.1	4.8	4.5	4.7	5.5
65°	6.8	7.5	7.2	6.6	7.2	7.5	6.8	6.1	5.5	5.6	6.3
62.5°	5.6	5.6	5.5	5.5	5.5	5.6	5.6	5.6	5.6	6.0	6.8
60°	4.5	4.5	4.4	4.4	4.4	4.5	4.5	4.6	4.7	5.2	6.0
57.5°	5.0	5.3	5.5	5.5	5.5	5.3	5.0	4.7	4.4	4.8	5.2
55°	5.4	5.5	5.5	5.5	5.5	5.5	5.4	5.3	5.1	5.4	5.8
52.5°	6.4	6.5	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.4	6.5
50°	8.0	7.8	7.7	7.7	7.7	7.8	8.0	8.0	7.9	7.8	7.7
47.5°	10.1	9.9	9.9	9.9	9.9	9.9	10.1	10.1	10.4	10.5	9.9
45°	15.0	14.5	14.2	14.3	14.2	14.5	15.0	15.0	17.2	17.5	14.8
42.5°	28.7	29.7	30.9	32.9	30.9	29.7	28.7	27.0	30.1	34.4	37.4
40°	48.9	47.5	45.7	46.1	45.7	47.5	48.9	48.4	49.2	46.8	47.1
37.5°	101.7	97.9	90.5	85.5	90.5	97.9	101.7	98.7	90.5	79.8	78.7
35°	209.1	204.1	192.1	188.6	192.1	204.1	209.1	230.4	216.8	141.6	170.7
32.5°	984.0	1096.8	1132.2	1133.9	1132.2	1096.8	984.0	911.8	734.3	604.5	560.6
30°	2525.2	2497.8	2254.1	2003.4	2254.1	2497.8	2525.2	2499.4	2166.9	1914.1	1560.3
27.5°	6077.4	6819.9	7356.2	7182.5	7356.2	6819.9	6077.4	5384.7	4609.1	4303.5	3384.7
25°	10946.1	11471.5	11643.9	11387.9	11643.9	11471.5	10946.1	9904.7	8955.3	8311.7	7101.4
22.5°	17185.1	17500.7	17473.1	16897.0	17473.1	17500.7	17185.1	16167.8	15393.4	14085.1	12455.5
20°	25879.4	25829.1	26087.6	24915.1	26087.6	25829.1	25879.4	24406.1	23356.3	21028.8	18577.7
17.5°	38176.2	40195.9	41733.6	41586.3	41733.6	40195.9	38176.2	35400.0	32852.2	29726.8	25662.6
15°	51238.7	54290.4	56376.3	56511.7	56376.3	54290.4	51238.7	47496.9	42713.0	38270.7	32425.9
12.5°	62593.6	65857.1	67628.7	67359.5	67628.7	65857.1	62593.6	57609.5	51445.2	44873.8	38117.4
10°	69827.0	72338.9	74203.3	74666.4	74203.3	72338.9	69827.0	65646.4	58701.7	51189.1	42530.7
7.5°	72727.4	75078.5	76703.6	76679.2	76703.6	75078.5	72727.4	69191.3	62952.3	55105.1	46007.8
5°	73264.2	75579.0	76498.8	76673.2	76498.8	75579.0	73264.2	69976.2	64373.6	56518.9	47135.9
2.5°	73792.0	75711.2	76711.0	76331.1	76711.0	75711.2	73792.0	70246.3	65379.5	58165.7	48734.2
0°	73998.6	75537.1	76318.5	76076.6	76318.5	75537.1	73998.6	71225.4	66513.4	59575.5	49053.9
-2.5°	73927.9	74939.9	75601.2	75372.6	75601.2	74939.9	73927.9	70921.0	66136.4	59076.6	49257.9
-5°	72036.0	72907.6	73215.7	73384.6	73215.7	72907.6	72036.0	69326.4	64763.9	57455.3	48134.8
-7.5°	65956.5	67101.9	66733.6	67289.2	66733.6	67101.9	65956.5	63969.4	60375.9	53567.2	44391.3
-10°	59942.2	61056.9	60674.4	61032.8	60674.4	61056.9	59942.2	57675.5	53998.0	47961.7	39480.9
-12.5°	54270.8	55673.0	55652.2	56160.7	55652.2	55673.0	54270.8	51151.0	47322.4	41113.9	34637.0
-15°	47452.4	49238.3	50210.9	50834.7	50210.9	49238.3	47452.4	43751.9	39390.3	34358.0	29193.5
-17.5°	40249.9	42546.4	44182.6	44434.1	44182.6	42546.4	40249.9	36514.8	32881.4	28822.7	25043.1
-20°	34712.6	36783.0	38322.9	38819.6	38322.9	36783.0	34712.6	31961.3	28758.8	25642.7	22129.3



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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°	30074.0	31782.5	32895.9	33170.1	32895.9	31782.5	30074.0	28132.7	25449.9	22267.0	19352.1
-25°	25583.6	26538.9	27123.3	27344.0	27123.3	26538.9	25583.6	24130.5	21912.7	19205.8	16575.7
-27.5°	21929.0	22610.3	22902.1	23017.0	22902.1	22610.3	21929.0	20662.6	19005.5	16720.5	14427.3
-30°	18869.7	19393.0	19713.5	19832.5	19713.5	19393.0	18869.7	17793.0	16384.4	14545.9	12628.8
-32.5°	16351.4	16872.2	17210.1	17331.3	17210.1	16872.2	16351.4	15322.6	13976.3	12502.0	11002.2
-35°	13993.5	14424.0	14731.8	14875.0	14731.8	14424.0	13993.5	13203.7	12038.6	10782.2	9654.9
-37.5°	11909.2	12297.7	12554.0	12633.6	12554.0	12297.7	11909.2	11280.8	10301.3	9357.3	8206.7
-40°	9552.5	9903.0	10098.0	10088.4	10098.0	9903.0	9552.5	9048.2	8153.2	7184.2	6084.4
-42.5°	6844.2	7198.2	7448.4	7636.5	7448.4	7198.2	6844.2	6342.3	5492.8	4520.2	3541.3
-45°	3888.3	4179.2	4366.4	4454.3	4366.4	4179.2	3888.3	3486.1	2885.1	2183.7	1514.7
-47.5°	1693.5	1746.3	1772.8	1773.2	1772.8	1746.3	1693.5	1621.5	1500.4	1347.6	1196.8
-50°	1300.1	1333.3	1352.5	1357.6	1352.5	1333.3	1300.1	1261.7	1208.7	1136.7	1066.8
-52.5°	1137.6	1149.1	1154.2	1154.7	1154.2	1149.1	1137.6	1125.3	1107.9	1071.7	1035.2
-55°	1096.2	1115.3	1123.0	1121.8	1123.0	1115.3	1096.2	1073.7	1047.1	993.2	935.0
-57.5°	947.6	966.6	977.7	981.4	977.7	966.6	947.6	923.3	894.2	837.9	777.7
-60°	735.1	747.1	757.5	764.3	757.5	747.1	735.1	718.4	696.7	655.9	608.1
-62.5°	550.2	560.3	570.0	576.8	570.0	560.3	550.2	536.9	520.5	492.5	457.8
-65°	391.3	396.3	404.4	411.2	404.4	396.3	391.3	383.5	372.7	353.5	327.8
-67.5°	262.3	267.0	269.9	270.9	269.9	267.0	262.3	255.7	247.4	234.8	217.5
-70°	159.7	161.5	164.9	167.8	164.9	161.5	159.7	156.7	152.4	145.3	135.1
-72.5°	96.6	99.5	99.6	98.7	99.6	99.5	96.6	93.3	89.5	85.4	81.0
-75°	54.6	55.3	55.8	55.9	55.8	55.3	54.6	53.6	52.3	50.5	47.9
-77.5°	30.8	31.5	31.2	30.7	31.2	31.5	30.8	30.0	29.1	27.9	26.1
-80°	16.0	16.3	16.4	16.4	16.4	16.3	16.0	15.6	15.2	14.8	14.5
-82.5°	11.7	12.0	11.5	11.0	11.5	12.0	11.7	11.3	10.9	10.5	10.1
-85°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.0
-87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-90°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	2.8	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.3
80°	2.2	2.2	2.2	2.4	2.5	2.5	2.5	2.7	2.8	3.0	3.1
77.5°	2.2	2.2	2.3	2.5	2.8	3.1	3.3	3.3	3.2	3.2	3.3
75°	2.6	2.7	2.8	2.9	3.0	3.2	3.4	3.6	3.7	3.7	3.5
72.5°	3.8	4.1	4.2	4.2	4.1	4.1	4.2	4.3	4.4	4.4	4.2
70°	5.2	5.6	6.2	6.5	6.6	6.6	6.4	6.0	5.4	5.2	4.9
67.5°	6.1	6.7	7.7	8.9	9.6	9.9	9.7	9.1	8.6	7.9	6.3
65°	7.1	7.8	8.7	9.7	10.9	12.2	13.8	13.9	13.2	11.7	8.5
62.5°	7.7	8.7	9.3	10.0	11.0	13.0	16.4	18.3	18.8	16.5	12.4
60°	6.8	7.8	8.7	9.5	10.4	13.8	18.7	22.5	25.1	21.3	16.1
57.5°	5.4	6.0	7.1	8.3	9.6	14.1	19.8	25.9	30.0	24.3	19.0
55°	6.4	6.6	6.8	7.2	8.1	13.1	19.1	25.5	29.1	25.5	19.6
52.5°	6.6	6.9	7.2	7.5	8.7	11.9	16.3	22.8	24.7	21.8	18.3
50°	7.6	7.6	7.6	7.6	8.9	11.2	14.6	19.3	19.1	17.8	14.9
47.5°	9.7	9.6	8.9	8.7	9.9	10.5	13.0	15.2	15.6	14.2	12.1
45°	17.6	17.3	12.4	12.9	13.6	13.9	13.0	14.3	14.1	12.9	10.2
42.5°	33.0	33.9	34.4	25.5	20.7	20.4	19.0	17.9	16.5	13.8	12.4
40°	46.4	41.0	42.7	43.0	35.0	29.4	29.4	25.0	22.4	18.6	17.7
37.5°	71.0	59.2	63.1	54.8	50.0	47.5	46.9	39.7	30.2	33.1	31.1
35°	139.8	122.6	126.6	107.9	79.5	91.4	78.0	63.3	55.3	56.5	50.9
32.5°	340.7	336.1	274.0	232.0	199.4	176.3	146.2	103.7	108.6	100.6	80.7
30°	1179.6	875.4	618.1	550.5	506.7	339.0	251.7	244.3	195.4	162.6	122.5
27.5°	3049.9	1961.8	1481.1	1504.0	1111.5	750.2	606.0	493.2	335.4	253.3	193.5
25°	6454.0	5018.4	3751.7	3354.6	2575.2	1700.8	1355.5	995.7	632.3	366.6	297.3
22.5°	11160.1	9385.4	7445.9	5954.7	4757.9	3598.1	2650.8	1717.8	1010.4	586.1	421.4
20°	15953.3	14101.0	11553.1	9246.4	7387.4	5601.3	4290.5	2859.6	1709.8	920.7	553.0
17.5°	21824.2	18805.3	15472.4	12446.6	10202.8	8041.9	5851.9	4053.2	2525.5	1272.0	688.0
15°	27518.8	23030.7	18874.5	15411.2	12729.5	9611.7	7174.8	5149.5	3456.8	1829.6	949.6
12.5°	32020.1	26782.6	22088.5	17425.1	14222.4	10839.6	8396.1	6275.8	4302.9	2410.8	1173.2
10°	35700.1	29742.3	24291.5	19514.5	15623.6	11998.6	9182.4	6815.4	4620.2	2820.6	1377.5
7.5°	37955.5	31681.0	26071.9	20958.1	16809.2	13055.5	9658.0	7037.7	4780.3	3110.6	1557.9
5°	39058.6	32938.5	27230.7	21654.0	17574.4	13921.4	10125.9	7106.3	4803.0	3290.8	1709.3
2.5°	40128.9	33649.3	27888.8	21930.9	17994.8	14517.6	10595.0	7153.8	4846.9	3373.4	1759.3
0°	40556.6	33959.6	28175.2	22000.5	18146.0	14730.2	11023.8	7171.6	4875.3	3375.2	1768.8
-2.5°	40100.4	33534.8	27936.1	21804.2	17982.5	14718.7	11179.3	7712.7	5182.3	3539.0	1818.6
-5°	39054.4	32444.6	26665.6	20965.5	17094.5	13918.3	10706.4	7734.7	5253.5	3559.6	1821.2
-7.5°	36459.8	30442.8	24858.3	19679.1	15843.3	12719.2	9817.1	7209.2	4931.3	3246.4	1674.1
-10°	32732.0	27744.5	22441.1	17877.0	14326.8	11375.6	8886.4	6574.1	4516.9	2871.8	1492.0
-12.5°	28928.6	24366.9	19743.3	15669.4	12566.3	9842.3	7822.4	5838.1	4010.3	2446.5	1280.3
-15°	24569.5	20351.0	16892.7	13675.4	10697.7	8330.9	6705.3	5109.6	3565.6	2020.2	1043.1
-17.5°	21284.0	17172.4	14366.9	11913.6	9237.6	7065.7	5811.2	4558.6	3133.8	1702.4	838.1
-20°	18841.5	15664.2	12836.1	10402.4	8168.1	6413.7	5236.2	4037.9	2628.0	1429.2	793.4



REPORT NUMBER: P731346 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	16836.1	14391.9	11793.6	9203.2	7341.2	5987.5	4777.2	3498.3	2043.9	1086.6	737.2
-25°	14784.3	12984.8	10688.3	8507.3	6736.3	5450.2	4181.0	2770.9	1597.8	872.0	677.0
-27.5°	12803.7	11222.4	9589.1	7730.0	6288.5	4786.9	3351.9	2004.8	1107.8	793.1	655.1
-30°	10966.8	9644.3	8358.2	7081.8	5608.8	4049.3	2391.8	1432.7	905.0	721.6	632.5
-32.5°	9523.4	8507.7	7431.1	6182.0	4678.6	2992.1	1750.2	995.3	797.6	691.9	634.4
-35°	8583.4	7479.1	6336.1	4869.5	3338.6	2024.5	1116.8	883.0	744.9	668.5	643.3
-37.5°	7140.0	6054.2	4560.6	3155.1	2013.0	1205.6	961.6	811.6	709.6	676.1	624.1
-40°	4943.5	3723.6	2669.9	1608.6	1203.5	999.0	871.5	770.6	727.8	664.4	590.6
-42.5°	2710.6	1821.2	1316.0	1144.7	991.0	908.4	832.1	790.4	724.4	634.0	539.6
-45°	1358.2	1208.3	1066.0	995.9	920.3	878.3	852.0	773.6	681.3	579.4	480.8
-47.5°	1109.6	1045.5	983.5	947.5	914.7	873.9	797.5	714.8	608.8	510.8	429.5
-50°	1015.7	989.2	964.5	930.4	859.9	788.4	707.0	619.9	526.7	445.2	373.2
-52.5°	993.3	937.7	881.5	823.3	751.9	673.2	594.4	521.9	445.3	378.3	316.9
-55°	872.3	810.7	750.6	687.1	622.8	559.4	493.7	429.6	370.6	312.4	261.4
-57.5°	716.8	659.7	608.3	557.7	508.7	454.1	399.0	345.7	298.7	251.5	206.2
-60°	558.1	508.8	473.7	436.1	396.1	351.5	309.2	268.3	229.0	193.5	157.3
-62.5°	421.6	384.5	354.6	324.5	292.7	258.8	226.1	197.5	168.7	139.5	115.7
-65°	300.8	272.6	247.1	225.8	203.8	181.1	156.7	136.5	118.6	99.6	80.5
-67.5°	199.0	179.3	161.3	146.0	134.1	121.4	106.9	91.4	79.8	69.9	59.3
-70°	124.5	113.9	104.1	94.4	86.3	79.3	71.4	63.1	54.8	47.3	39.8
-72.5°	76.2	71.0	65.8	60.6	55.1	50.3	45.3	39.7	33.9	27.7	23.0
-75°	44.9	41.5	38.0	34.8	31.3	27.5	24.9	22.5	20.2	17.8	15.5
-77.5°	24.4	22.6	21.1	19.9	18.5	16.9	15.2	13.8	12.9	12.0	11.0
-80°	14.2	13.8	13.3	12.7	12.2	11.6	11.0	10.3	9.6	8.8	8.2
-82.5°	9.6	9.1	8.7	8.4	8.1	7.8	7.5	7.0	6.6	6.2	5.9
-85°	5.7	5.4	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9
-87.5°	3.3	3.3	3.3	3.5	3.8	4.0	4.2	4.2	4.1	4.1	4.1
-90°	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0
82.5°	2.2	2.2	2.2	2.2	2.4	2.5	2.5	2.5	2.6	2.8	3.0
80°	2.7	2.5	2.3	2.2	2.5	2.8	2.9	3.0	2.9	3.0	3.1
77.5°	3.1	2.8	2.4	2.3	2.5	2.8	3.1	3.3	3.2	3.1	3.2
75°	3.3	3.2	3.0	2.7	2.7	2.8	3.1	3.3	3.3	3.3	3.3
72.5°	3.8	3.5	3.3	3.3	3.1	3.1	3.2	3.3	3.3	3.3	3.3
70°	4.3	3.7	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	5.0	4.4	3.8	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	6.6	5.2	4.3	3.8	3.4	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	8.9	6.1	4.9	4.3	3.7	3.4	3.3	3.3	3.3	3.3	3.3
60°	11.9	8.3	5.8	5.0	4.1	3.4	3.3	3.3	3.3	3.3	3.3
57.5°	14.0	10.3	7.9	6.0	5.0	3.9	3.4	3.4	3.3	3.3	3.3
55°	14.9	11.2	9.3	7.3	5.8	4.8	3.8	3.6	3.3	3.3	3.4
52.5°	13.9	11.7	10.2	8.3	6.6	5.6	4.6	3.8	3.6	3.3	3.4
50°	11.6	11.7	10.8	9.1	7.1	6.0	5.3	4.4	3.9	3.4	3.5
47.5°	10.4	11.4	11.1	9.8	7.8	6.5	5.8	4.9	4.2	3.7	3.5
45°	10.8	11.0	11.4	10.3	8.6	7.2	6.2	5.4	4.6	4.0	3.6
42.5°	12.3	12.0	11.5	11.0	9.7	8.0	6.6	5.8	5.0	4.4	3.8
40°	16.2	14.2	12.4	12.2	11.0	8.8	7.2	6.1	5.3	4.7	4.0
37.5°	21.4	18.4	15.1	14.8	12.9	10.2	7.9	6.4	5.7	5.0	4.3
35°	37.7	24.3	23.5	20.8	16.2	11.8	8.6	6.8	6.1	5.3	4.6
32.5°	58.5	44.2	41.5	31.1	20.6	13.5	9.7	7.7	6.5	5.6	4.9
30°	97.8	93.7	67.8	44.2	27.7	17.6	11.6	8.8	6.9	5.9	5.1
27.5°	172.0	159.0	106.0	68.3	40.2	22.9	14.4	10.0	7.4	6.2	5.3
25°	256.8	232.3	170.2	100.3	54.5	36.4	17.7	11.4	8.2	6.6	5.6
22.5°	353.4	309.2	244.9	137.3	84.0	54.4	25.0	14.0	9.3	7.0	5.8
20°	449.7	390.2	324.1	183.9	121.2	79.5	38.0	16.8	10.4	7.4	6.0
17.5°	549.3	457.2	366.8	240.1	159.7	106.5	53.3	19.7	11.5	7.7	6.2
15°	629.9	501.4	404.1	288.7	195.8	135.1	70.4	22.7	12.7	8.1	6.3
12.5°	696.0	543.0	438.8	330.3	229.7	164.7	88.6	25.8	13.8	8.5	6.4
10°	755.9	581.4	470.6	365.2	261.3	194.5	107.5	28.7	15.1	8.8	6.5
7.5°	809.0	616.5	499.3	394.4	286.8	213.2	119.2	31.5	16.4	9.1	6.5
5°	850.4	644.4	517.7	402.9	289.4	217.9	128.0	34.1	17.6	9.4	6.6
2.5°	864.5	663.3	528.7	405.5	289.9	219.8	134.7	36.4	18.7	9.7	6.6
0°	869.6	677.7	536.2	404.6	288.4	219.3	139.3	38.4	19.7	9.9	6.6
-2.5°	876.7	680.7	544.7	421.6	303.1	227.2	146.7	47.9	25.7	13.2	7.8
-5°	875.5	679.2	549.7	434.9	315.2	233.0	152.0	56.8	31.4	16.4	8.9
-7.5°	845.6	662.1	545.3	442.8	324.4	236.9	155.3	64.9	36.7	19.4	10.0
-10°	803.1	634.1	529.1	438.2	330.9	241.9	157.2	72.1	41.3	21.9	10.9
-12.5°	753.1	603.2	513.9	432.8	335.2	247.7	160.8	79.0	45.4	24.1	11.7
-15°	695.9	570.0	501.3	427.6	337.4	251.5	162.0	84.9	49.3	26.1	12.3
-17.5°	637.4	535.0	492.3	423.3	337.5	253.3	160.5	89.2	52.3	28.0	13.2
-20°	618.1	523.5	486.7	420.7	335.7	253.2	156.5	91.7	54.3	29.3	14.2



REPORT NUMBER: P731346 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	601.8	534.1	486.1	416.2	332.5	251.0	149.8	92.3	55.2	30.0	15.0
-25°	584.2	545.5	482.8	404.8	327.4	241.6	145.3	90.8	54.9	29.9	15.4
-27.5°	587.5	552.0	474.3	388.3	312.2	228.9	143.2	90.2	53.9	29.1	15.4
-30°	600.4	538.9	454.5	367.6	293.9	207.6	138.4	88.1	52.9	28.6	15.1
-32.5°	602.7	519.5	427.0	345.1	269.7	185.8	128.6	84.3	50.8	28.2	14.9
-35°	575.9	487.8	394.1	319.0	243.3	171.8	117.4	78.7	47.7	27.1	14.7
-37.5°	545.7	448.7	362.5	289.9	216.4	155.5	107.6	71.5	43.4	25.5	14.2
-40°	499.0	409.3	330.6	260.1	194.2	136.8	96.3	64.4	40.3	23.2	13.3
-42.5°	449.0	371.3	298.4	230.4	171.2	122.4	83.8	56.5	36.5	21.4	12.0
-45°	404.2	331.5	264.1	202.6	147.0	106.4	74.1	48.3	32.2	19.6	10.9
-47.5°	357.1	291.1	229.4	172.4	127.4	90.2	63.3	43.0	27.5	17.3	10.0
-50°	310.0	249.6	193.6	146.0	105.8	77.1	52.9	37.2	24.3	14.6	9.0
-52.5°	261.1	207.8	160.2	119.3	88.6	63.0	45.8	31.1	20.6	12.6	7.7
-55°	211.9	168.4	127.7	96.9	71.5	53.0	38.2	26.4	16.6	10.9	6.5
-57.5°	167.1	129.3	101.3	76.6	58.1	43.7	31.4	21.3	13.9	9.0	6.3
-60°	124.7	100.7	77.6	60.9	46.7	34.8	25.1	16.7	11.5	7.3	6.1
-62.5°	93.4	74.3	60.9	47.3	36.1	26.8	18.8	13.6	8.9	6.9	5.8
-65°	68.5	56.6	45.1	35.4	26.4	19.4	14.9	10.3	7.8	6.4	5.5
-67.5°	48.8	40.2	32.1	23.9	18.9	14.8	10.8	8.5	7.0	5.9	5.2
-70°	32.4	25.3	21.0	17.4	13.7	10.4	8.9	7.4	6.2	5.6	5.0
-72.5°	20.3	17.5	14.6	11.7	10.2	8.7	7.4	6.4	5.8	5.3	4.7
-75°	13.1	11.8	10.6	9.4	8.1	7.0	6.5	6.0	5.4	4.9	4.6
-77.5°	10.0	9.1	8.0	7.3	6.7	6.3	5.9	5.6	5.1	4.8	4.5
-80°	7.6	7.0	6.5	6.1	5.8	5.5	5.3	5.1	4.8	4.6	4.4
-82.5°	5.6	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3
-85°	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.1	4.0
-87.5°	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0



REPORT NUMBER: P731346 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
55°	3.4	3.3	3.3	3.3	3.3	3.3	3.3
52.5°	3.5	3.3	3.3	3.3	3.3	3.3	3.3
50°	3.6	3.4	3.3	3.3	3.3	3.3	3.3
47.5°	3.7	3.5	3.3	3.3	3.3	3.3	3.3
45°	3.8	3.6	3.3	3.3	3.3	3.3	3.3
42.5°	3.8	3.8	3.3	3.3	3.3	3.3	3.3
40°	3.9	3.9	3.4	3.3	3.3	3.3	3.3
37.5°	3.9	4.1	3.5	3.3	3.3	3.3	3.3
35°	4.0	4.2	3.6	3.4	3.3	3.3	3.3
32.5°	4.1	4.2	3.7	3.4	3.3	3.3	3.3
30°	4.3	4.3	3.8	3.5	3.3	3.3	3.3
27.5°	4.5	4.3	3.9	3.5	3.3	3.3	3.3
25°	4.7	4.4	4.0	3.6	3.3	3.3	3.3
22.5°	4.9	4.4	4.1	3.7	3.3	3.3	3.3
20°	5.1	4.4	4.2	3.7	3.3	3.3	3.3
17.5°	5.2	4.4	4.3	3.8	3.3	3.3	3.3
15°	5.3	4.4	4.3	3.9	3.3	3.3	3.3
12.5°	5.3	4.4	4.4	4.0	3.3	3.3	3.3
10°	5.4	4.4	4.4	4.1	3.3	3.3	3.3
7.5°	5.4	4.4	4.4	4.2	3.3	3.3	3.3
5°	5.5	4.4	4.4	4.2	3.3	3.3	3.3
2.5°	5.5	4.4	4.4	4.3	3.3	3.3	3.3
0°	5.5	4.4	4.4	4.4	3.3	3.3	3.3
-2.5°	5.8	4.5	4.4	4.4	3.3	3.3	3.3
-5°	6.1	4.6	4.4	4.4	3.4	3.3	3.3
-7.5°	6.3	4.7	4.4	4.4	3.4	3.3	3.3
-10°	6.5	4.8	4.4	4.4	3.5	3.3	3.3
-12.5°	6.7	4.9	4.4	4.3	3.5	3.3	3.3
-15°	6.8	5.0	4.4	4.3	3.6	3.3	3.3
-17.5°	6.9	5.0	4.4	4.3	3.6	3.3	3.3
-20°	7.2	5.1	4.4	4.3	3.6	3.3	3.3



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 CATALOG NUMBER: EPH-LS-08-0320N-40-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	7.8	5.1	4.4	4.3	3.7	3.3	3.3
-25°	8.2	5.2	4.4	4.3	3.7	3.3	3.3
-27.5°	8.4	5.3	4.4	4.3	3.7	3.3	3.3
-30°	8.4	5.3	4.4	4.3	3.7	3.3	3.3
-32.5°	8.2	5.2	4.5	4.3	3.7	3.3	3.3
-35°	8.0	5.1	4.5	4.3	3.7	3.3	3.3
-37.5°	7.9	5.0	4.5	4.3	3.7	3.3	3.3
-40°	7.6	5.0	4.6	4.4	3.7	3.3	3.3
-42.5°	7.2	5.0	4.6	4.4	3.7	3.3	3.3
-45°	6.6	5.1	4.6	4.4	3.6	3.3	3.3
-47.5°	5.9	5.0	4.6	4.4	3.6	3.3	3.3
-50°	5.7	5.0	4.6	4.3	3.5	3.3	3.3
-52.5°	5.7	5.0	4.5	4.2	3.5	3.3	3.3
-55°	5.5	4.9	4.5	4.1	3.4	3.3	3.3
-57.5°	5.4	4.8	4.5	4.0	3.4	3.3	3.3
-60°	5.3	4.7	4.4	3.9	3.3	3.3	3.3
-62.5°	5.1	4.6	4.3	3.8	3.3	3.3	3.3
-65°	4.9	4.5	4.2	3.7	3.3	3.3	3.3
-67.5°	4.7	4.4	4.1	3.6	3.3	3.3	3.3
-70°	4.4	4.3	4.0	3.5	3.3	3.3	3.3
-72.5°	4.4	4.2	3.9	3.5	3.3	3.3	3.3
-75°	4.4	4.2	3.8	3.5	3.3	3.3	3.3
-77.5°	4.4	4.1	3.8	3.5	3.3	3.3	3.3
-80°	4.4	4.0	3.7	3.4	3.3	3.3	3.3
-82.5°	4.1	3.8	3.6	3.4	3.3	3.3	3.3
-85°	3.9	3.7	3.5	3.4	3.3	3.3	3.3
-87.5°	3.6	3.5	3.4	3.3	3.3	3.3	3.3
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(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

