

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: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-5S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-5S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

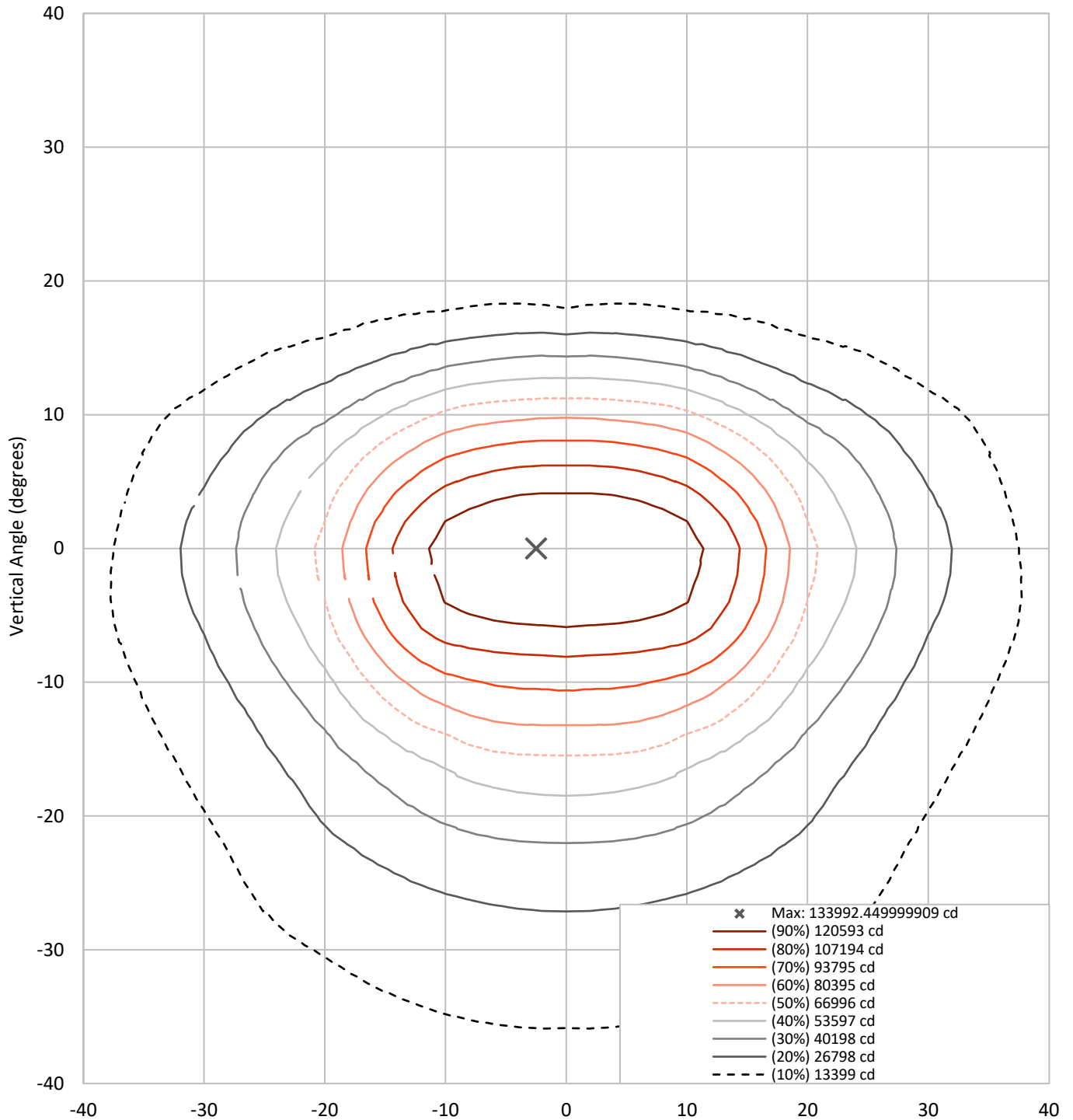
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	53095.3 lumens	Max Intensity:	133992.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	76.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	26315.2 lumens	Field Lumens:	47596 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 697.2
Input Voltage (V): NR
Input Current (A_{in}): 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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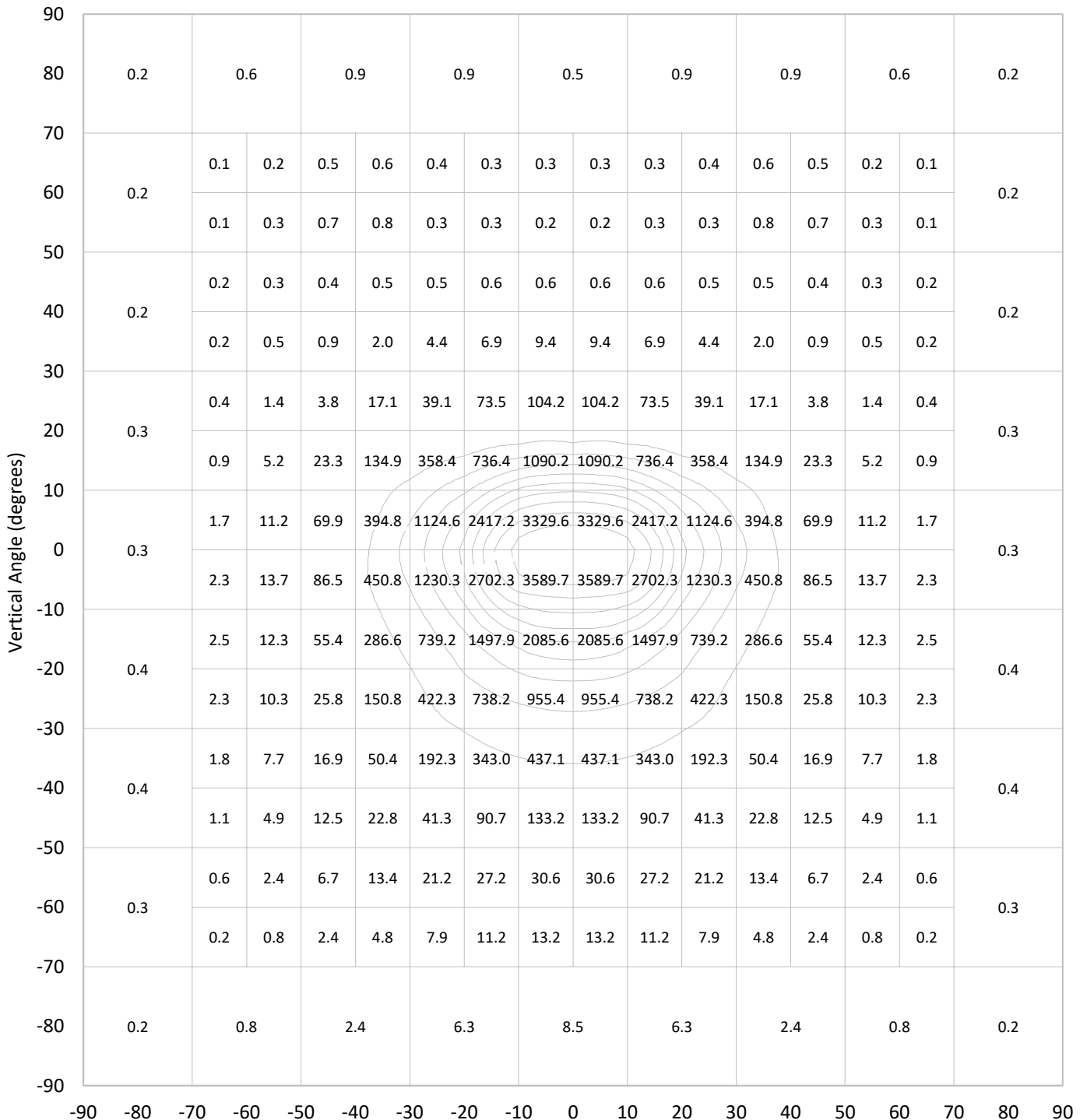
Iso-Candela Plot





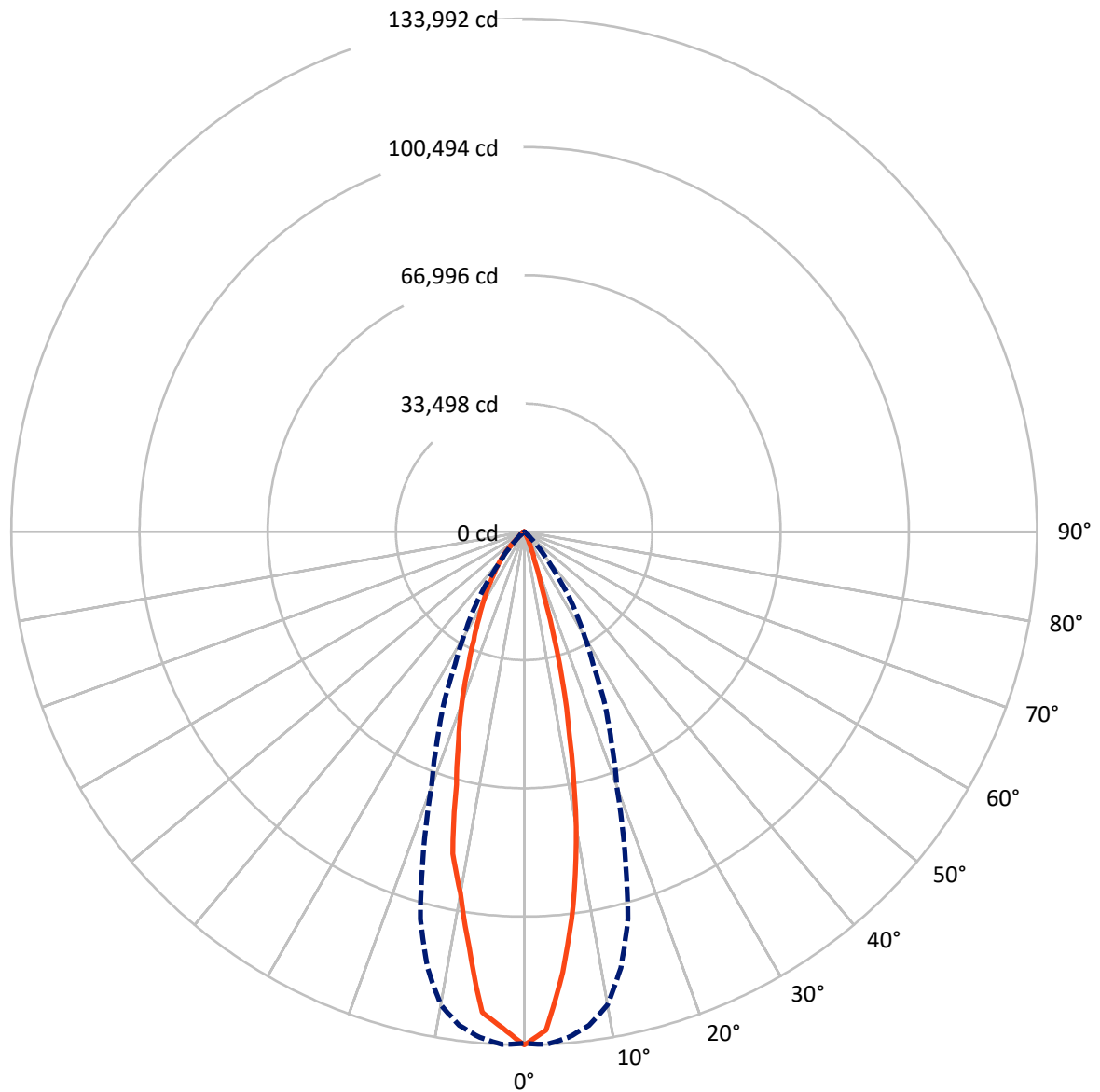
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Lumen Table



REPORT NUMBER: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
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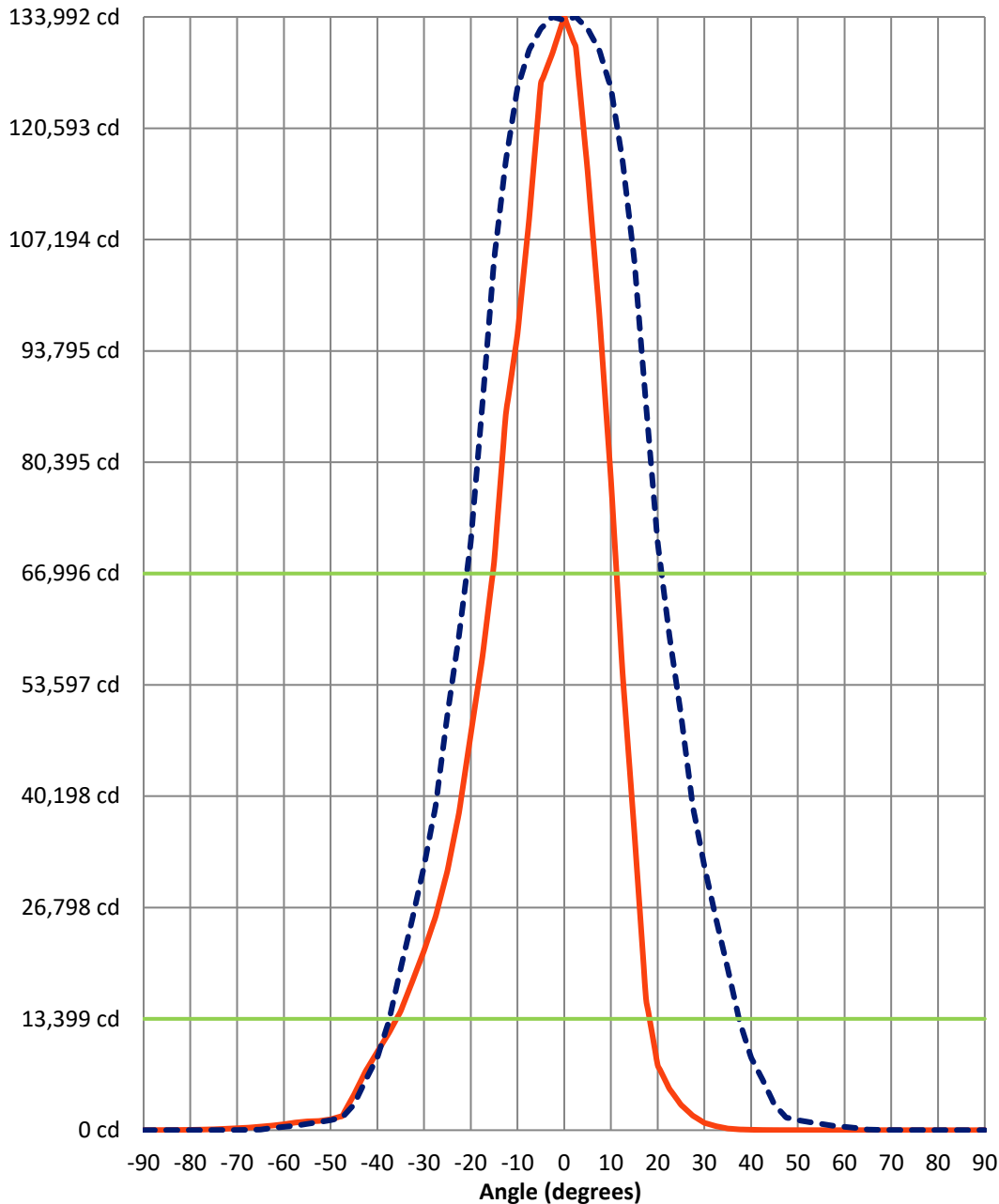
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 26315.2
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 47596
 Efficiency: 89.6%

Spill:
 Lumens: 5499.4
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.3	8.4	8.5	8.6	8.6	8.6	8.5	8.3	8.1
85°	8.1	8.2	8.5	8.6	8.8	9.0	9.2	9.1	8.8	8.5	8.1
82.5°	8.1	8.2	8.6	8.9	9.2	9.5	9.7	9.5	9.2	8.9	8.7
80°	8.1	8.3	8.8	9.2	9.6	9.9	10.2	9.8	9.6	9.5	9.6
77.5°	8.1	8.3	9.0	9.5	9.9	10.2	10.2	10.0	9.9	10.1	10.2
75°	8.1	8.4	9.1	9.7	10.2	10.2	10.2	10.1	10.2	10.2	10.2
72.5°	8.1	8.4	9.3	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2
70°	8.1	8.4	9.4	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
67.5°	8.1	8.5	9.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
65°	8.1	8.5	9.7	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
62.5°	8.1	8.5	9.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
60°	8.1	8.6	9.9	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
57.5°	8.1	8.6	9.9	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
55°	8.1	8.6	9.9	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
52.5°	8.1	8.6	9.9	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
50°	8.1	8.6	9.8	10.2	10.2	10.2	10.2	10.3	10.2	10.2	10.8
47.5°	8.1	8.6	9.8	10.2	10.2	10.2	10.2	10.5	10.2	10.2	11.5
45°	8.1	8.6	9.8	10.2	10.2	10.2	10.4	10.6	10.4	10.8	12.1
42.5°	8.1	8.6	9.8	10.2	10.2	10.2	10.6	10.9	10.6	11.3	12.9
40°	8.1	8.6	9.8	10.2	10.2	10.2	10.8	11.1	11.1	11.9	13.5
37.5°	8.1	8.6	9.9	10.2	10.2	10.2	11.0	11.5	11.8	12.7	14.0
35°	8.1	8.6	9.9	10.2	10.2	10.3	11.3	11.8	12.5	13.6	14.4
32.5°	8.1	8.6	9.9	10.2	10.2	10.5	11.6	12.2	13.2	14.5	15.7
30°	8.1	8.6	9.9	10.2	10.2	10.8	11.9	12.7	13.9	15.5	17.3
27.5°	8.1	8.5	9.9	10.2	10.2	11.0	12.3	13.3	14.6	16.6	19.0
25°	8.1	8.5	10.0	10.2	10.2	11.2	12.6	13.8	15.5	17.9	21.1
22.5°	8.1	8.5	10.0	10.2	10.2	11.4	13.0	14.4	16.4	19.5	24.8
20°	8.1	8.4	10.0	10.2	10.2	11.6	13.4	14.9	17.2	21.2	28.9
17.5°	8.1	8.4	10.1	10.2	10.2	11.7	13.6	15.4	18.1	22.9	33.4
15°	8.1	8.4	10.1	10.2	10.2	11.9	13.8	15.8	19.0	24.7	38.2
12.5°	8.1	8.3	10.1	10.2	10.2	12.0	13.9	15.9	19.7	26.5	43.2
10°	8.1	8.3	10.1	10.2	10.2	12.0	14.0	16.1	20.3	28.9	48.7
7.5°	8.1	8.2	10.2	10.2	10.2	12.1	14.1	16.2	20.9	31.4	55.2
5°	8.1	8.2	10.2	10.2	10.2	12.2	14.2	16.2	21.5	34.0	61.6
2.5°	8.1	8.1	10.2	10.2	10.2	12.2	14.2	16.3	22.0	36.4	67.7
0°	8.1	8.1	10.2	10.2	10.2	12.2	14.2	16.3	22.0	36.4	67.7
-2.5°	8.1	8.1	10.2	10.2	10.4	12.4	14.5	18.2	27.9	48.5	89.4
-5°	8.1	8.2	10.2	10.2	10.5	12.6	14.7	20.0	33.0	57.9	104.5
-7.5°	8.1	8.2	10.2	10.2	10.7	12.8	14.9	21.6	37.8	66.6	118.1
-10°	8.1	8.3	10.1	10.2	10.9	12.9	15.1	23.0	41.9	74.2	130.1
-12.5°	8.1	8.3	10.1	10.2	11.0	13.1	15.3	24.1	45.3	80.8	139.3
-15°	8.1	8.4	10.1	10.2	11.1	13.2	15.4	24.9	48.2	86.2	146.1
-17.5°	8.1	8.4	10.1	10.2	11.2	13.3	15.5	26.0	50.6	90.2	150.6
-20°	8.1	8.4	10.0	10.2	11.2	13.3	16.0	27.4	52.1	92.5	152.8



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	8.5	10.0	10.2	11.3	13.4	16.9	28.4	52.6	93.1	152.4
-25°	8.1	8.5	10.0	10.2	11.3	13.4	17.6	28.8	51.9	91.8	149.3
-27.5°	8.1	8.5	9.9	10.2	11.2	13.4	17.8	28.8	50.1	89.5	147.4
-30°	8.1	8.6	9.9	10.2	11.1	13.4	17.7	28.2	49.0	87.3	143.2
-32.5°	8.1	8.6	9.9	10.2	11.0	13.2	17.2	28.0	48.2	83.4	136.2
-35°	8.1	8.6	9.9	10.2	10.9	12.9	16.8	27.5	46.7	77.9	126.5
-37.5°	8.1	8.6	9.9	10.2	10.8	12.6	16.5	26.3	44.4	70.7	113.4
-40°	8.1	8.6	9.8	10.2	10.6	12.5	16.0	24.4	41.3	66.0	101.0
-42.5°	8.1	8.6	9.8	10.2	10.6	12.2	15.4	22.0	38.2	60.0	87.7
-45°	8.1	8.6	9.8	10.3	10.6	12.0	14.6	19.8	34.6	53.2	74.4
-47.5°	8.1	8.6	9.8	10.3	10.7	11.8	13.6	18.6	30.1	45.8	66.0
-50°	8.1	8.6	9.8	10.3	10.7	11.5	13.2	17.3	24.3	39.2	56.8
-52.5°	8.1	8.6	9.9	10.4	10.8	11.3	12.9	15.7	21.0	32.2	47.0
-55°	8.1	8.6	9.9	10.4	10.8	11.3	12.5	14.0	18.8	24.9	38.7
-57.5°	8.1	8.6	9.9	10.4	10.9	11.3	12.1	13.6	16.6	21.2	29.9
-60°	8.1	8.6	9.9	10.3	10.9	11.4	11.8	13.2	14.6	18.6	22.8
-62.5°	8.1	8.5	9.8	10.3	10.9	11.4	11.9	12.7	14.1	15.9	19.8
-65°	8.1	8.5	9.7	10.3	10.8	11.5	11.9	12.4	13.5	14.8	16.8
-67.5°	8.1	8.5	9.6	10.3	10.6	11.4	12.0	12.4	12.9	14.1	15.4
-70°	8.1	8.4	9.4	10.2	10.5	11.1	12.0	12.3	12.7	13.5	14.6
-72.5°	8.1	8.4	9.3	10.0	10.4	10.9	11.7	12.2	12.5	13.0	13.9
-75°	8.1	8.4	9.1	9.7	10.2	10.6	11.2	11.8	12.2	12.6	13.1
-77.5°	8.1	8.3	9.0	9.5	9.9	10.3	10.7	11.2	11.6	12.0	12.4
-80°	8.1	8.3	8.8	9.2	9.6	9.9	10.3	10.6	10.9	11.2	11.6
-82.5°	8.1	8.2	8.6	8.9	9.2	9.5	9.7	10.0	10.2	10.5	10.7
-85°	8.1	8.2	8.5	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9
-87.5°	8.1	8.1	8.3	8.4	8.5	8.6	8.6	8.7	8.8	8.9	9.0
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.7	8.6	8.4	8.1	8.1	8.1	8.1	8.3	8.4	8.4	8.3
80°	9.5	9.2	8.9	8.8	9.0	9.3	9.6	9.8	9.7	9.2	8.7
77.5°	9.9	9.7	9.7	9.9	10.2	10.2	10.2	10.2	9.8	9.3	8.8
75°	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.6	10.7	10.5	10.4
72.5°	10.2	10.2	10.2	10.2	10.3	10.5	11.0	11.8	12.2	12.1	12.0
70°	10.2	10.2	10.2	10.2	10.3	11.0	12.0	13.0	13.7	14.0	14.9
67.5°	10.2	10.2	10.2	10.3	11.0	12.1	13.2	15.2	17.5	18.6	19.9
65°	10.2	10.2	10.4	11.1	12.1	13.5	15.6	18.4	23.8	26.8	28.1
62.5°	10.2	10.3	10.9	11.9	13.1	15.0	18.9	24.9	32.6	37.0	36.5
60°	10.2	10.4	11.4	12.8	14.3	17.4	23.1	31.1	41.3	48.7	44.0
57.5°	10.2	10.9	12.3	14.1	16.4	19.1	26.5	36.3	46.5	57.6	49.2
55°	10.5	11.6	13.4	16.0	18.3	20.8	27.8	36.5	47.9	54.0	45.9
52.5°	11.3	12.6	15.2	17.6	19.9	21.5	24.7	33.0	39.2	43.6	39.2
50°	12.0	14.1	16.7	18.7	20.3	20.2	19.4	25.8	30.7	32.2	31.8
47.5°	13.1	15.5	17.4	19.2	19.5	19.0	17.2	20.2	23.6	25.2	24.0
45°	14.1	16.3	18.0	18.7	19.0	18.3	17.6	16.8	20.5	21.2	20.2
42.5°	15.0	16.9	18.2	18.4	19.2	19.5	19.5	18.9	19.3	19.8	19.6
40°	15.5	17.4	18.5	20.1	20.4	22.2	23.5	23.3	19.8	21.9	22.4
37.5°	16.0	18.0	20.1	24.2	23.6	26.6	28.8	31.7	28.9	27.1	30.4
35°	16.4	18.8	25.5	30.5	30.7	32.5	39.7	43.1	40.9	38.8	42.8
32.5°	17.1	19.8	32.7	37.9	40.9	43.7	53.8	55.7	57.5	58.6	61.8
30°	18.8	26.3	40.9	46.2	52.6	63.6	68.9	70.6	78.0	88.0	115.1
27.5°	22.6	35.0	48.8	57.0	67.2	85.8	92.8	93.8	106.1	132.1	197.3
25°	27.3	55.4	57.2	69.3	88.1	110.5	125.1	139.1	143.7	222.0	377.5
22.5°	38.3	81.5	90.8	82.5	110.6	139.4	170.3	209.6	269.1	359.4	590.2
20°	57.6	110.3	132.7	138.5	145.4	172.2	222.7	301.9	488.1	809.5	1116.0
17.5°	79.9	143.4	179.6	209.0	242.2	253.0	285.8	412.2	764.3	1451.1	2254.4
15°	104.5	180.0	230.3	288.0	349.2	396.2	464.9	662.5	1230.3	2337.2	3716.7
12.5°	130.5	219.1	283.8	373.5	464.0	548.2	677.0	1099.5	2054.7	3589.9	5682.7
10°	157.1	259.9	339.1	463.5	584.5	706.3	897.0	1599.7	3029.6	4925.0	7473.7
7.5°	186.2	299.9	394.2	555.6	707.9	867.6	1120.3	2137.7	4039.1	6158.2	9025.2
5°	214.7	337.3	443.1	629.5	809.0	1007.6	1323.1	2683.3	5040.8	7283.2	10431.8
2.5°	241.1	372.3	490.2	696.6	892.1	1110.0	1434.6	2908.3	5617.5	8113.5	11818.4
0°	264.2	404.5	534.6	758.1	969.5	1205.3	1532.5	3071.2	6014.3	8750.1	13170.9
-2.5°	274.3	416.8	556.6	776.8	966.4	1190.1	1533.0	3125.2	6354.3	9506.2	13853.9
-5°	280.4	425.5	574.2	789.0	958.6	1167.6	1518.2	3101.3	6410.2	9681.0	13584.1
-7.5°	283.0	430.5	586.7	791.6	939.0	1123.0	1450.3	2874.8	5802.5	8879.3	12318.9
-10°	282.3	429.2	581.6	766.9	903.3	1063.6	1359.6	2576.3	5099.1	7974.4	10974.1
-12.5°	277.2	422.3	570.2	739.8	868.5	1001.1	1255.3	2208.9	4328.0	6993.7	9686.9
-15°	269.9	412.6	555.0	711.5	836.2	936.9	1137.8	1775.0	3524.5	6113.8	8653.2
-17.5°	260.9	400.4	536.3	683.2	808.0	872.2	1012.3	1340.8	2805.8	5171.3	7612.5
-20°	250.6	385.9	514.1	655.9	782.0	829.5	945.7	1208.9	2218.6	4121.1	6482.7



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	239.3	369.2	491.0	627.2	744.1	807.4	887.1	1069.3	1582.0	2971.3	5262.6
-25°	232.4	351.5	468.4	589.6	706.5	786.2	827.2	935.3	1196.1	2242.0	3975.5
-27.5°	227.8	334.1	437.9	549.0	669.4	760.0	793.8	868.1	1051.3	1485.7	2765.5
-30°	219.8	307.3	404.8	507.6	623.9	718.3	772.6	816.2	926.8	1164.7	1896.9
-32.5°	203.4	278.7	371.6	468.8	573.8	678.6	756.6	798.7	870.2	993.3	1239.2
-35°	184.0	255.1	337.6	427.5	522.0	629.6	721.4	790.9	824.7	909.5	1067.1
-37.5°	166.2	229.8	302.1	386.1	474.8	574.0	681.1	759.5	815.5	854.5	967.0
-40°	146.5	203.0	270.8	345.9	427.2	518.1	617.5	714.5	789.1	853.9	903.9
-42.5°	126.0	179.4	239.8	304.4	381.0	463.2	551.0	647.7	743.9	831.4	899.0
-45°	110.2	154.1	208.0	268.3	333.6	407.6	488.3	572.8	673.1	773.7	861.3
-47.5°	93.5	129.3	178.1	229.9	288.4	353.5	424.3	503.6	588.4	685.7	788.4
-50°	77.7	109.9	145.8	193.5	244.2	300.6	363.2	432.8	508.9	589.7	679.0
-52.5°	66.5	89.5	120.8	156.9	201.8	250.1	304.7	364.6	430.3	499.1	571.7
-55°	54.4	74.0	96.7	126.4	160.9	202.8	248.6	300.8	353.6	414.7	470.2
-57.5°	43.4	59.5	77.4	98.9	126.9	157.5	197.7	239.3	286.6	334.4	375.3
-60°	33.1	46.2	61.3	77.7	95.8	122.1	149.1	183.7	222.0	258.6	293.8
-62.5°	23.7	34.4	46.6	59.9	74.8	90.0	112.0	136.5	160.9	191.6	220.0
-65°	20.4	24.4	33.3	44.5	55.7	70.1	84.0	97.3	117.8	137.7	156.4
-67.5°	16.9	20.2	24.0	29.6	39.9	51.5	63.1	75.6	87.3	97.6	109.1
-70°	15.5	16.2	18.8	22.4	26.9	34.1	44.5	54.8	65.0	74.8	84.0
-72.5°	14.6	15.2	15.7	16.2	19.8	24.8	30.1	35.8	42.9	50.8	59.0
-75°	13.7	14.1	14.6	15.1	16.2	18.1	20.7	25.2	29.7	33.7	37.4
-77.5°	12.8	13.2	13.5	13.9	14.7	15.9	17.4	19.2	21.4	23.8	26.2
-80°	11.9	12.2	12.5	12.8	13.2	13.9	14.6	15.5	16.8	18.5	20.4
-82.5°	11.0	11.2	11.4	11.6	11.8	12.1	12.3	12.7	13.2	14.0	14.8
-85°	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.0	11.1	11.3	11.4
-87.5°	9.1	9.1	9.2	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.8
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.1	8.6	9.2	9.7	10.2	11.7	13.2	14.8	16.3	15.8	15.2
87.5°	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.6	4.1	3.6	3.1
85°	8.1	7.9	7.8	7.8	7.7	7.3	6.9	6.4	6.0	5.0	4.0
82.5°	8.1	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	5.1	4.1
80°	8.2	8.1	8.1	8.1	8.1	7.7	7.2	6.7	6.1	5.2	4.1
77.5°	8.4	8.5	8.5	8.4	8.2	7.7	7.2	6.7	6.2	5.2	4.1
75°	10.2	9.9	9.5	9.0	8.3	7.7	7.2	6.7	6.2	5.6	5.1
72.5°	11.9	11.5	10.8	10.5	9.9	9.5	9.1	8.6	7.9	7.4	7.0
70°	15.6	16.0	15.6	14.9	13.6	12.4	11.6	10.8	10.0	9.1	8.3
67.5°	21.2	21.2	20.1	18.4	16.1	13.9	12.8	11.7	10.7	10.1	10.0
65°	27.7	25.3	22.7	20.0	16.9	14.0	13.0	11.9	10.8	10.2	10.2
62.5°	33.7	27.2	21.9	18.6	16.0	14.0	12.5	11.1	9.7	8.7	8.5
60°	36.3	25.8	18.5	16.2	14.1	12.4	11.0	9.8	8.8	8.0	7.5
57.5°	36.4	24.6	15.7	13.6	12.0	10.6	9.9	9.3	8.7	8.0	7.5
55°	33.1	21.9	13.0	11.7	11.1	10.6	10.0	9.4	8.8	8.1	7.5
52.5°	27.0	19.3	13.8	11.9	11.3	10.7	10.1	9.5	8.9	8.2	7.6
50°	23.5	17.6	14.0	12.0	11.5	10.9	10.3	10.1	10.0	9.6	9.2
47.5°	20.3	16.1	13.9	12.3	12.1	12.9	13.5	13.6	13.4	12.9	12.4
45°	17.8	15.6	14.5	15.1	15.7	17.0	17.7	17.7	17.7	17.8	17.7
42.5°	17.7	17.8	19.0	21.0	20.9	23.5	24.8	21.9	25.0	26.8	25.2
40°	23.4	24.0	29.6	34.2	38.4	39.0	45.6	46.6	47.4	50.2	50.7
37.5°	34.3	40.3	57.6	70.6	76.1	76.5	86.2	88.1	85.4	97.1	100.5
35°	52.4	79.6	107.6	123.9	133.0	139.9	152.9	167.9	160.9	186.7	195.7
32.5°	94.1	143.7	194.8	192.9	210.2	256.5	273.8	301.1	329.6	373.1	420.8
30°	158.3	292.3	351.4	329.9	378.7	444.9	445.4	521.4	627.4	717.3	852.8
27.5°	356.6	506.6	584.0	618.7	655.6	739.3	842.8	939.6	1209.1	1393.3	1587.1
25°	605.3	812.6	895.5	1024.1	1140.8	1218.3	1531.5	1760.0	2147.5	2428.7	2719.7
22.5°	976.1	1250.1	1421.8	1538.1	1931.4	2281.1	2615.7	3113.4	3498.1	3980.6	4344.0
20°	1440.4	1810.4	2440.6	2935.0	3182.1	3924.9	4529.9	5044.4	5726.8	6325.1	6857.2
17.5°	2718.0	2925.8	4242.5	5530.8	6051.7	7012.1	8751.7	9408.1	11373.0	12811.7	13588.7
15°	4921.4	5926.8	7313.5	9461.4	11844.1	13726.4	15375.5	18752.5	22501.5	25824.9	29323.9
12.5°	7782.3	9748.3	12082.1	14709.6	19002.7	22409.4	26058.3	30884.5	36940.7	42211.7	48412.6
10°	10648.2	13970.3	17196.2	21290.5	26713.3	31973.1	37228.8	44872.8	53768.9	62310.2	69695.2
7.5°	13017.9	17521.6	21893.3	27553.6	34939.9	42268.2	49613.8	59724.0	71489.6	81237.7	89618.0
5°	15429.7	21069.9	26198.1	32726.0	41419.3	50344.7	59537.3	72143.7	86040.9	97079.1	105725.5
2.5°	17644.5	24035.5	29971.1	37250.1	46930.9	55663.7	66127.6	81603.6	98163.2	110071.1	119603.0
0°	19433.2	25423.1	31764.6	39089.9	49960.0	59586.1	70799.6	87395.4	104722.8	116620.3	125416.1
-2.5°	19048.1	25106.8	31035.9	38478.4	49391.3	58253.4	69605.7	85934.2	103053.8	115141.4	123041.4
-5°	17846.1	23208.5	28532.1	35521.8	45118.3	53753.8	64871.3	81655.5	98076.8	110403.2	119493.4
-7.5°	16068.7	20621.7	25450.3	31819.5	40172.7	48433.4	58103.1	71479.4	86806.1	97955.8	104544.5
-10°	14197.6	17967.2	22489.2	27871.7	34765.8	42185.4	50215.8	60931.3	74027.6	83805.5	90056.2
-12.5°	12557.4	15823.5	19857.5	23838.4	29463.2	36071.3	43202.1	51970.8	60612.5	70923.4	76327.4
-15°	11046.6	13768.9	17235.3	21052.2	25726.4	30920.0	36029.5	42594.9	48222.5	54663.1	59342.5
-17.5°	9782.5	11956.7	15028.0	18727.0	22246.5	26718.8	31594.7	36042.1	40799.9	45449.2	49329.7
-20°	8640.1	10434.0	13052.8	16309.6	19777.1	23580.3	27882.8	31502.9	35390.6	38923.6	41958.8



REPORT NUMBER: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7341.7	9160.8	11189.0	13975.5	17448.2	20857.7	24043.9	26779.7	29717.4	32572.3	34727.5
-25°	5990.6	7736.4	9678.2	12308.0	15152.7	18021.6	20278.0	22204.2	24497.3	26554.6	28404.0
-27.5°	4593.4	6454.8	8549.1	10745.6	13220.0	15043.2	16942.1	18684.0	20426.8	21811.0	23372.9
-30°	3193.4	5224.4	7284.3	9363.2	11058.1	12513.4	13929.7	15527.2	17104.0	18419.6	19522.0
-32.5°	2192.9	3658.0	5736.6	7669.9	9118.6	10355.5	11449.3	12811.6	14033.6	15116.3	16080.8
-35°	1317.1	2349.2	3776.5	5613.9	7199.0	8402.4	9516.5	10549.4	11461.5	12373.4	13099.0
-37.5°	1128.4	1356.9	2222.6	3444.4	4953.0	6409.3	7554.0	8520.8	9370.7	10072.9	10688.5
-40°	1016.1	1151.3	1340.5	1757.4	2868.2	3980.4	5229.7	6331.8	7228.2	7887.8	8423.5
-42.5°	949.8	1036.5	1129.1	1277.6	1442.7	1970.6	2926.5	3839.6	4627.4	5358.1	5985.2
-45°	938.5	975.2	1025.1	1108.8	1185.0	1321.8	1471.1	1617.2	2236.9	2824.2	3306.0
-47.5°	868.2	943.0	988.7	1026.3	1066.2	1130.9	1194.0	1261.6	1374.3	1480.1	1570.9
-50°	765.6	846.2	915.2	982.8	1018.2	1044.4	1070.5	1104.1	1148.1	1188.3	1225.2
-52.5°	639.8	717.3	794.8	866.7	923.0	974.6	1021.1	1042.9	1059.5	1074.6	1086.4
-55°	528.0	589.2	650.2	716.0	781.0	842.8	896.2	931.5	963.3	991.4	1015.4
-57.5°	422.6	470.4	520.1	573.5	625.4	675.3	722.9	766.2	804.8	838.3	866.5
-60°	327.4	359.6	401.1	443.5	483.9	522.2	560.8	595.8	627.5	655.4	677.3
-62.5°	245.7	272.4	304.0	333.8	360.4	388.9	424.9	455.0	479.8	499.8	517.4
-65°	176.5	198.8	224.1	249.3	273.9	298.3	323.5	347.7	370.8	389.3	402.4
-67.5°	125.3	141.1	158.9	174.5	192.9	214.3	237.1	257.9	276.9	290.0	297.9
-70°	92.4	101.6	114.5	129.4	144.8	159.1	173.6	188.0	202.3	212.4	220.0
-72.5°	67.4	76.5	86.0	95.6	106.0	116.5	127.1	137.8	148.5	155.2	159.8
-75°	40.8	46.2	54.5	62.6	70.4	77.7	84.5	91.0	97.0	100.1	102.2
-77.5°	29.3	33.1	37.2	41.4	45.7	50.0	54.3	58.6	62.8	64.7	66.2
-80°	22.3	24.5	26.8	29.2	31.8	34.4	37.0	39.6	42.3	42.7	42.8
-82.5°	15.8	17.4	19.0	20.5	22.0	23.5	24.9	26.3	27.6	27.9	28.1
-85°	11.5	12.4	13.4	14.4	15.5	16.6	17.7	18.8	19.9	20.0	20.1
-87.5°	9.8	10.4	10.9	11.5	12.0	12.6	13.2	13.7	14.3	14.2	14.2
-90°	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.6	4.1	3.6	3.1



REPORT NUMBER: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.7	14.2	14.2	14.2	14.2	14.2	14.7	15.2	15.8	16.3	14.8
87.5°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.1	3.6	4.1	4.6
85°	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	5.0	6.0	6.4
82.5°	3.1	2.0	2.0	2.0	2.0	2.0	3.1	4.1	5.1	6.1	6.6
80°	3.1	2.0	2.0	2.0	2.0	2.0	3.1	4.1	5.2	6.1	6.7
77.5°	3.1	2.0	2.0	2.0	2.0	2.0	3.1	4.1	5.2	6.2	6.7
75°	4.6	4.1	3.1	2.0	3.1	4.1	4.6	5.1	5.6	6.2	6.7
72.5°	6.5	6.1	6.1	6.1	6.1	6.1	6.5	7.0	7.4	7.9	8.6
70°	7.3	6.2	6.1	6.1	6.1	6.2	7.3	8.3	9.1	10.0	10.8
67.5°	10.0	10.1	9.2	8.1	9.2	10.1	10.0	10.0	10.1	10.7	11.7
65°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.8	11.9
62.5°	8.3	8.2	8.1	8.1	8.1	8.2	8.3	8.5	8.7	9.7	11.1
60°	7.0	6.3	6.1	6.1	6.1	6.3	7.0	7.5	8.0	8.8	9.8
57.5°	6.9	6.3	6.1	6.1	6.1	6.3	6.9	7.5	8.0	8.7	9.3
55°	6.9	6.3	6.1	6.1	6.1	6.3	6.9	7.5	8.1	8.8	9.4
52.5°	7.0	6.4	6.8	8.1	6.8	6.4	7.0	7.6	8.2	8.9	9.5
50°	8.8	8.3	8.1	8.1	8.1	8.3	8.8	9.2	9.6	10.0	10.1
47.5°	11.7	10.7	10.2	10.2	10.2	10.7	11.7	12.4	12.9	13.4	13.6
45°	16.6	15.1	14.1	14.2	14.1	15.1	16.6	17.7	17.8	17.7	17.7
42.5°	25.0	24.5	24.2	24.4	24.2	24.5	25.0	25.2	26.8	25.0	21.9
40°	53.5	54.3	54.1	54.9	54.1	54.3	53.5	50.7	50.2	47.4	46.6
37.5°	100.9	97.5	92.4	93.5	92.4	97.5	100.9	100.5	97.1	85.4	88.1
35°	196.8	201.9	201.6	203.3	201.6	201.9	196.8	195.7	186.7	160.9	167.9
32.5°	455.4	479.5	480.1	489.8	480.1	479.5	455.4	420.8	373.1	329.6	301.1
30°	894.7	913.9	884.9	898.4	884.9	913.9	894.7	852.8	717.3	627.4	521.4
27.5°	1687.8	1758.9	1758.2	1727.7	1758.2	1758.9	1687.8	1587.1	1393.3	1209.1	939.6
25°	2964.6	3074.5	3054.2	3018.3	3054.2	3074.5	2964.6	2719.7	2428.7	2147.5	1760.0
22.5°	4674.2	4855.7	5001.1	4906.6	5001.1	4855.7	4674.2	4344.0	3980.6	3498.1	3113.4
20°	7640.0	7691.8	7846.1	7790.7	7846.1	7691.8	7640.0	6857.2	6325.1	5726.8	5044.4
17.5°	15693.8	16256.8	15865.1	14672.9	15865.1	16256.8	15693.8	13588.7	12811.7	11373.0	9408.1
15°	31781.6	34141.4	35973.8	34967.9	35973.8	34141.4	31781.6	29323.9	25824.9	22501.5	18752.5
12.5°	52046.5	53787.7	54952.7	55038.3	54952.7	53787.7	52046.5	48412.6	42211.7	36940.7	30884.5
10°	74703.2	76241.7	78302.7	78592.4	78302.7	76241.7	74703.2	69695.2	62310.2	53768.9	44872.8
7.5°	93777.1	96897.1	98341.7	98147.5	98341.7	96897.1	93777.1	89618.0	81237.7	71489.6	59724.0
5°	110835.3	114067.8	115483.6	115718.9	115483.6	114067.8	110835.3	105725.5	97079.1	86040.9	72143.7
2.5°	125312.6	128576.0	130277.1	129810.5	130277.1	128576.0	125312.6	119603.0	110071.1	98163.2	81603.6
0°	129996.5	132566.6	133992.4	133601.2	133992.4	132566.6	129996.5	125416.1	116620.3	104722.8	87395.4
-2.5°	127018.9	128567.7	129642.2	129227.1	129642.2	128567.7	127018.9	123041.4	115141.4	103053.8	85934.2
-5°	123719.3	125556.9	125958.9	126450.7	125958.9	125556.9	123719.3	119493.4	110403.2	98076.8	81655.5
-7.5°	107050.9	109016.7	109665.9	110649.7	109665.9	109016.7	107050.9	104544.5	97955.8	86806.1	71479.4
-10°	93457.4	95662.3	95768.5	96375.1	95768.5	95662.3	93457.4	90056.2	83805.5	74027.6	60931.3
-12.5°	82071.1	85105.2	86111.9	85871.0	86111.9	85105.2	82071.1	76327.4	70923.4	60612.5	51970.8
-15°	65572.4	68164.2	68349.1	68470.3	68349.1	68164.2	65572.4	59342.5	54663.1	48222.5	42594.9
-17.5°	53447.4	55966.0	56936.8	57238.5	56936.8	55966.0	53447.4	49329.7	45449.2	40799.9	36042.1
-20°	44564.2	46439.2	47625.2	48116.4	47625.2	46439.2	44564.2	41958.8	38923.6	35390.6	31502.9



REPORT NUMBER: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	36611.3	37799.8	38233.3	38341.9	38233.3	37799.8	36611.3	34727.5	32572.3	29717.4	26779.7
-25°	29703.2	30647.3	31196.1	31425.2	31196.1	30647.3	29703.2	28404.0	26554.6	24497.3	22204.2
-27.5°	24385.9	25226.1	25754.5	25835.7	25754.5	25226.1	24385.9	23372.9	21811.0	20426.8	18684.0
-30°	20366.0	21103.9	21597.6	21732.0	21597.6	21103.9	20366.0	19522.0	18419.6	17104.0	15527.2
-32.5°	16875.4	17506.9	17894.2	18061.2	17894.2	17506.9	16875.4	16080.8	15116.3	14033.6	12811.6
-35°	13640.6	14065.1	14313.3	14231.9	14313.3	14065.1	13640.6	13099.0	12373.4	11461.5	10549.4
-37.5°	11182.2	11523.8	11709.7	11719.7	11709.7	11523.8	11182.2	10688.5	10072.9	9370.7	8520.8
-40°	8867.3	9214.2	9423.3	9435.1	9423.3	9214.2	8867.3	8423.5	7887.8	7228.2	6331.8
-42.5°	6484.1	6839.3	7082.0	7239.9	7082.0	6839.3	6484.1	5985.2	5358.1	4627.4	3839.6
-45°	3708.0	4014.9	4248.9	4418.8	4248.9	4014.9	3708.0	3306.0	2824.2	2236.9	1617.2
-47.5°	1638.7	1688.5	1710.2	1703.3	1710.2	1688.5	1638.7	1570.9	1480.1	1374.3	1261.6
-50°	1259.0	1288.5	1303.2	1302.9	1303.2	1288.5	1259.0	1225.2	1188.3	1148.1	1104.1
-52.5°	1095.8	1103.2	1107.6	1109.8	1107.6	1103.2	1095.8	1086.4	1074.6	1059.5	1042.9
-55°	1035.2	1050.8	1056.6	1054.9	1056.6	1050.8	1035.2	1015.4	991.4	963.3	931.5
-57.5°	890.4	909.6	922.4	928.9	922.4	909.6	890.4	866.5	838.3	804.8	766.2
-60°	693.7	705.1	712.3	715.5	712.3	705.1	693.7	677.3	655.4	627.5	595.8
-62.5°	532.8	545.9	552.4	554.9	552.4	545.9	532.8	517.4	499.8	479.8	455.0
-65°	413.8	423.4	428.6	430.9	428.6	423.4	413.8	402.4	389.3	370.8	347.7
-67.5°	303.9	308.2	310.3	311.0	310.3	308.2	303.9	297.9	290.0	276.9	257.9
-70°	227.0	233.2	237.1	239.8	237.1	233.2	227.0	220.0	212.4	202.3	188.0
-72.5°	163.7	166.9	169.2	170.7	169.2	166.9	163.7	159.8	155.2	148.5	137.8
-75°	103.7	104.8	105.5	105.7	105.5	104.8	103.7	102.2	100.1	97.0	91.0
-77.5°	67.5	68.6	69.9	71.1	69.9	68.6	67.5	66.2	64.7	62.8	58.6
-80°	42.7	42.5	42.6	42.7	42.6	42.5	42.7	42.8	42.7	42.3	39.6
-82.5°	28.3	28.4	28.5	28.5	28.5	28.4	28.3	28.1	27.9	27.6	26.3
-85°	20.2	20.3	20.3	20.3	20.3	20.3	20.2	20.1	20.0	19.9	18.8
-87.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.3	13.7
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.1	3.6	4.1	4.6



REPORT NUMBER: P731732 (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°
90°	13.2	11.7	10.2	9.7	9.2	8.6	8.1	8.1	8.1	8.1	8.1
87.5°	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1
85°	6.9	7.3	7.7	7.8	7.8	7.9	8.1	8.1	8.1	8.1	8.1
82.5°	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.3	8.4	8.4	8.3
80°	7.2	7.7	8.1	8.1	8.1	8.1	8.2	8.7	9.2	9.7	9.8
77.5°	7.2	7.7	8.2	8.4	8.5	8.5	8.4	8.8	9.3	9.8	10.2
75°	7.2	7.7	8.3	9.0	9.5	9.9	10.2	10.4	10.5	10.7	10.6
72.5°	9.1	9.5	9.9	10.5	10.8	11.5	11.9	12.0	12.1	12.2	11.8
70°	11.6	12.4	13.6	14.9	15.6	16.0	15.6	14.9	14.0	13.7	13.0
67.5°	12.8	13.9	16.1	18.4	20.1	21.2	21.2	19.9	18.6	17.5	15.2
65°	13.0	14.0	16.9	20.0	22.7	25.3	27.7	28.1	26.8	23.8	18.4
62.5°	12.5	14.0	16.0	18.6	21.9	27.2	33.7	36.5	37.0	32.6	24.9
60°	11.0	12.4	14.1	16.2	18.5	25.8	36.3	44.0	48.7	41.3	31.1
57.5°	9.9	10.6	12.0	13.6	15.7	24.6	36.4	49.2	57.6	46.5	36.3
55°	10.0	10.6	11.1	11.7	13.0	21.9	33.1	45.9	54.0	47.9	36.5
52.5°	10.1	10.7	11.3	11.9	13.8	19.3	27.0	39.2	43.6	39.2	33.0
50°	10.3	10.9	11.5	12.0	14.0	17.6	23.5	31.8	32.2	30.7	25.8
47.5°	13.5	12.9	12.1	12.3	13.9	16.1	20.3	24.0	25.2	23.6	20.2
45°	17.7	17.0	15.7	15.1	14.5	15.6	17.8	20.2	21.2	20.5	16.8
42.5°	24.8	23.5	20.9	21.0	19.0	17.8	17.7	19.6	19.8	19.3	18.9
40°	45.6	39.0	38.4	34.2	29.6	24.0	23.4	22.4	21.9	19.8	23.3
37.5°	86.2	76.5	76.1	70.6	57.6	40.3	34.3	30.4	27.1	28.9	31.7
35°	152.9	139.9	133.0	123.9	107.6	79.6	52.4	42.8	38.8	40.9	43.1
32.5°	273.8	256.5	210.2	192.9	194.8	143.7	94.1	61.8	58.6	57.5	55.7
30°	445.4	444.9	378.7	329.9	351.4	292.3	158.3	115.1	88.0	78.0	70.6
27.5°	842.8	739.3	655.6	618.7	584.0	506.6	356.6	197.3	132.1	106.1	93.8
25°	1531.5	1218.3	1140.8	1024.1	895.5	812.6	605.3	377.5	222.0	143.7	139.1
22.5°	2615.7	2281.1	1931.4	1538.1	1421.8	1250.1	976.1	590.2	359.4	269.1	209.6
20°	4529.9	3924.9	3182.1	2935.0	2440.6	1810.4	1440.4	1116.0	809.5	488.1	301.9
17.5°	8751.7	7012.1	6051.7	5530.8	4242.5	2925.8	2718.0	2254.4	1451.1	764.3	412.2
15°	15375.5	13726.4	11844.1	9461.4	7313.5	5926.8	4921.4	3716.7	2337.2	1230.3	662.5
12.5°	26058.3	22409.4	19002.7	14709.6	12082.1	9748.3	7782.3	5682.7	3589.9	2054.7	1099.5
10°	37228.8	31973.1	26713.3	21290.5	17196.2	13970.3	10648.2	7473.7	4925.0	3029.6	1599.7
7.5°	49613.8	42268.2	34939.9	27553.6	21893.3	17521.6	13017.9	9025.2	6158.2	4039.1	2137.7
5°	59537.3	50344.7	41419.3	32726.0	26198.1	21069.9	15429.7	10431.8	7283.2	5040.8	2683.3
2.5°	66127.6	55663.7	46930.9	37250.1	29971.1	24035.5	17644.5	11818.4	8113.5	5617.5	2908.3
0°	70799.6	59586.1	49960.0	39089.9	31764.6	25423.1	19433.2	13170.9	8750.1	6014.3	3071.2
-2.5°	69605.7	58253.4	49391.3	38478.4	31035.9	25106.8	19048.1	13853.9	9506.2	6354.3	3125.2
-5°	64871.3	53753.8	45118.3	35521.8	28532.1	23208.5	17846.1	13584.1	9681.0	6410.2	3101.3
-7.5°	58103.1	48433.4	40172.7	31819.5	25450.3	20621.7	16068.7	12318.9	8879.3	5802.5	2874.8
-10°	50215.8	42185.4	34765.8	27871.7	22489.2	17967.2	14197.6	10974.1	7974.4	5099.1	2576.3
-12.5°	43202.1	36071.3	29463.2	23838.4	19857.5	15823.5	12557.4	9686.9	6993.7	4328.0	2208.9
-15°	36029.5	30920.0	25726.4	21052.2	17235.3	13768.9	11046.6	8653.2	6113.8	3524.5	1775.0
-17.5°	31594.7	26718.8	22246.5	18727.0	15028.0	11956.7	9782.5	7612.5	5171.3	2805.8	1340.8
-20°	27882.8	23580.3	19777.1	16309.6	13052.8	10434.0	8640.1	6482.7	4121.1	2218.6	1208.9



REPORT NUMBER: P731732 (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°	24043.9	20857.7	17448.2	13975.5	11189.0	9160.8	7341.7	5262.6	2971.3	1582.0	1069.3
-25°	20278.0	18021.6	15152.7	12308.0	9678.2	7736.4	5990.6	3975.5	2242.0	1196.1	935.3
-27.5°	16942.1	15043.2	13220.0	10745.6	8549.1	6454.8	4593.4	2765.5	1485.7	1051.3	868.1
-30°	13929.7	12513.4	11058.1	9363.2	7284.3	5224.4	3193.4	1896.9	1164.7	926.8	816.2
-32.5°	11449.3	10355.5	9118.6	7669.9	5736.6	3658.0	2192.9	1239.2	993.3	870.2	798.7
-35°	9516.5	8402.4	7199.0	5613.9	3776.5	2349.2	1317.1	1067.1	909.5	824.7	790.9
-37.5°	7554.0	6409.3	4953.0	3444.4	2222.6	1356.9	1128.4	967.0	854.5	815.5	759.5
-40°	5229.7	3980.4	2868.2	1757.4	1340.5	1151.3	1016.1	903.9	853.9	789.1	714.5
-42.5°	2926.5	1970.6	1442.7	1277.6	1129.1	1036.5	949.8	899.0	831.4	743.9	647.7
-45°	1471.1	1321.8	1185.0	1108.8	1025.1	975.2	938.5	861.3	773.7	673.1	572.8
-47.5°	1194.0	1130.9	1066.2	1026.3	988.7	943.0	868.2	788.4	685.7	588.4	503.6
-50°	1070.5	1044.4	1018.2	982.8	915.2	846.2	765.6	679.0	589.7	508.9	432.8
-52.5°	1021.1	974.6	923.0	866.7	794.8	717.3	639.8	571.7	499.1	430.3	364.6
-55°	896.2	842.8	781.0	716.0	650.2	589.2	528.0	470.2	414.7	353.6	300.8
-57.5°	722.9	675.3	625.4	573.5	520.1	470.4	422.6	375.3	334.4	286.6	239.3
-60°	560.8	522.2	483.9	443.5	401.1	359.6	327.4	293.8	258.6	222.0	183.7
-62.5°	424.9	388.9	360.4	333.8	304.0	272.4	245.7	220.0	191.6	160.9	136.5
-65°	323.5	298.3	273.9	249.3	224.1	198.8	176.5	156.4	137.7	117.8	97.3
-67.5°	237.1	214.3	192.9	174.5	158.9	141.1	125.3	109.1	97.6	87.3	75.6
-70°	173.6	159.1	144.8	129.4	114.5	101.6	92.4	84.0	74.8	65.0	54.8
-72.5°	127.1	116.5	106.0	95.6	86.0	76.5	67.4	59.0	50.8	42.9	35.8
-75°	84.5	77.7	70.4	62.6	54.5	46.2	40.8	37.4	33.7	29.7	25.2
-77.5°	54.3	50.0	45.7	41.4	37.2	33.1	29.3	26.2	23.8	21.4	19.2
-80°	37.0	34.4	31.8	29.2	26.8	24.5	22.3	20.4	18.5	16.8	15.5
-82.5°	24.9	23.5	22.0	20.5	19.0	17.4	15.8	14.8	14.0	13.2	12.7
-85°	17.7	16.6	15.5	14.4	13.4	12.4	11.5	11.4	11.3	11.1	11.0
-87.5°	13.2	12.6	12.0	11.5	10.9	10.4	9.8	9.8	9.7	9.6	9.6
-90°	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1



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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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.5	8.6
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5	8.8	9.1
82.5°	8.1	8.1	8.1	8.1	8.4	8.6	8.7	8.7	8.9	9.2	9.5
80°	9.6	9.3	9.0	8.8	8.9	9.2	9.5	9.6	9.5	9.6	9.8
77.5°	10.2	10.2	10.2	9.9	9.7	9.7	9.9	10.2	10.1	9.9	10.0
75°	10.2	10.2	10.2	10.2	10.2	10.2	10.1	10.2	10.2	10.2	10.1
72.5°	11.0	10.5	10.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
70°	12.0	11.0	10.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
67.5°	13.2	12.1	11.0	10.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2
65°	15.6	13.5	12.1	11.1	10.4	10.2	10.2	10.2	10.2	10.2	10.2
62.5°	18.9	15.0	13.1	11.9	10.9	10.3	10.2	10.2	10.2	10.2	10.2
60°	23.1	17.4	14.3	12.8	11.4	10.4	10.2	10.2	10.2	10.2	10.2
57.5°	26.5	19.1	16.4	14.1	12.3	10.9	10.2	10.2	10.2	10.2	10.2
55°	27.8	20.8	18.3	16.0	13.4	11.6	10.5	10.2	10.2	10.2	10.2
52.5°	24.7	21.5	19.9	17.6	15.2	12.6	11.3	10.2	10.2	10.2	10.2
50°	19.4	20.2	20.3	18.7	16.7	14.1	12.0	10.8	10.2	10.2	10.3
47.5°	17.2	19.0	19.5	19.2	17.4	15.5	13.1	11.5	10.2	10.2	10.5
45°	17.6	18.3	19.0	18.7	18.0	16.3	14.1	12.1	10.8	10.4	10.6
42.5°	19.5	19.5	19.2	18.4	18.2	16.9	15.0	12.9	11.3	10.6	10.9
40°	23.5	22.2	20.4	20.1	18.5	17.4	15.5	13.5	11.9	11.1	11.1
37.5°	28.8	26.6	23.6	24.2	20.1	18.0	16.0	14.0	12.7	11.8	11.5
35°	39.7	32.5	30.7	30.5	25.5	18.8	16.4	14.4	13.6	12.5	11.8
32.5°	53.8	43.7	40.9	37.9	32.7	19.8	17.1	15.7	14.5	13.2	12.2
30°	68.9	63.6	52.6	46.2	40.9	26.3	18.8	17.3	15.5	13.9	12.7
27.5°	92.8	85.8	67.2	57.0	48.8	35.0	22.6	19.0	16.6	14.6	13.3
25°	125.1	110.5	88.1	69.3	57.2	55.4	27.3	21.1	17.9	15.5	13.8
22.5°	170.3	139.4	110.6	82.5	90.8	81.5	38.3	24.8	19.5	16.4	14.4
20°	222.7	172.2	145.4	138.5	132.7	110.3	57.6	28.9	21.2	17.2	14.9
17.5°	285.8	253.0	242.2	209.0	179.6	143.4	79.9	33.4	22.9	18.1	15.4
15°	464.9	396.2	349.2	288.0	230.3	180.0	104.5	38.2	24.7	19.0	15.8
12.5°	677.0	548.2	464.0	373.5	283.8	219.1	130.5	43.2	26.5	19.7	15.9
10°	897.0	706.3	584.5	463.5	339.1	259.9	157.1	48.7	28.9	20.3	16.1
7.5°	1120.3	867.6	707.9	555.6	394.2	299.9	186.2	55.2	31.4	20.9	16.2
5°	1323.1	1007.6	809.0	629.5	443.1	337.3	214.7	61.6	34.0	21.5	16.2
2.5°	1434.6	1110.0	892.1	696.6	490.2	372.3	241.1	67.7	36.4	22.0	16.3
0°	1532.5	1205.3	969.5	758.1	534.6	404.5	264.2	73.2	38.6	22.4	16.3
-2.5°	1533.0	1190.1	966.4	776.8	556.6	416.8	274.3	89.4	48.5	27.9	18.2
-5°	1518.2	1167.6	958.6	789.0	574.2	425.5	280.4	104.5	57.9	33.0	20.0
-7.5°	1450.3	1123.0	939.0	791.6	586.7	430.5	283.0	118.1	66.6	37.8	21.6
-10°	1359.6	1063.6	903.3	766.9	581.6	429.2	282.3	130.1	74.2	41.9	23.0
-12.5°	1255.3	1001.1	868.5	739.8	570.2	422.3	277.2	139.3	80.8	45.3	24.1
-15°	1137.8	936.9	836.2	711.5	555.0	412.6	269.9	146.1	86.2	48.2	24.9
-17.5°	1012.3	872.2	808.0	683.2	536.3	400.4	260.9	150.6	90.2	50.6	26.0
-20°	945.7	829.5	782.0	655.9	514.1	385.9	250.6	152.8	92.5	52.1	27.4



REPORT NUMBER: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	887.1	807.4	744.1	627.2	491.0	369.2	239.3	152.4	93.1	52.6	28.4
-25°	827.2	786.2	706.5	589.6	468.4	351.5	232.4	149.3	91.8	51.9	28.8
-27.5°	793.8	760.0	669.4	549.0	437.9	334.1	227.8	147.4	89.5	50.1	28.8
-30°	772.6	718.3	623.9	507.6	404.8	307.3	219.8	143.2	87.3	49.0	28.2
-32.5°	756.6	678.6	573.8	468.8	371.6	278.7	203.4	136.2	83.4	48.2	28.0
-35°	721.4	629.6	522.0	427.5	337.6	255.1	184.0	126.5	77.9	46.7	27.5
-37.5°	681.1	574.0	474.8	386.1	302.1	229.8	166.2	113.4	70.7	44.4	26.3
-40°	617.5	518.1	427.2	345.9	270.8	203.0	146.5	101.0	66.0	41.3	24.4
-42.5°	551.0	463.2	381.0	304.4	239.8	179.4	126.0	87.7	60.0	38.2	22.0
-45°	488.3	407.6	333.6	268.3	208.0	154.1	110.2	74.4	53.2	34.6	19.8
-47.5°	424.3	353.5	288.4	229.9	178.1	129.3	93.5	66.0	45.8	30.1	18.6
-50°	363.2	300.6	244.2	193.5	145.8	109.9	77.7	56.8	39.2	24.3	17.3
-52.5°	304.7	250.1	201.8	156.9	120.8	89.5	66.5	47.0	32.2	21.0	15.7
-55°	248.6	202.8	160.9	126.4	96.7	74.0	54.4	38.7	24.9	18.8	14.0
-57.5°	197.7	157.5	126.9	98.9	77.4	59.5	43.4	29.9	21.2	16.6	13.6
-60°	149.1	122.1	95.8	77.7	61.3	46.2	33.1	22.8	18.6	14.6	13.2
-62.5°	112.0	90.0	74.8	59.9	46.6	34.4	23.7	19.8	15.9	14.1	12.7
-65°	84.0	70.1	55.7	44.5	33.3	24.4	20.4	16.8	14.8	13.5	12.4
-67.5°	63.1	51.5	39.9	29.6	24.0	20.2	16.9	15.4	14.1	12.9	12.4
-70°	44.5	34.1	26.9	22.4	18.8	16.2	15.5	14.6	13.5	12.7	12.3
-72.5°	30.1	24.8	19.8	16.2	15.7	15.2	14.6	13.9	13.0	12.5	12.2
-75°	20.7	18.1	16.2	15.1	14.6	14.1	13.7	13.1	12.6	12.2	11.8
-77.5°	17.4	15.9	14.7	13.9	13.5	13.2	12.8	12.4	12.0	11.6	11.2
-80°	14.6	13.9	13.2	12.8	12.5	12.2	11.9	11.6	11.2	10.9	10.6
-82.5°	12.3	12.1	11.8	11.6	11.4	11.2	11.0	10.7	10.5	10.2	10.0
-85°	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.9	9.7	9.5	9.4
-87.5°	9.5	9.4	9.4	9.3	9.2	9.1	9.1	9.0	8.9	8.8	8.7
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P731732 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.6	8.6	8.5	8.4	8.3	8.1	8.1
85°	9.2	9.0	8.8	8.6	8.5	8.2	8.1
82.5°	9.7	9.5	9.2	8.9	8.6	8.2	8.1
80°	10.2	9.9	9.6	9.2	8.8	8.3	8.1
77.5°	10.2	10.2	9.9	9.5	9.0	8.3	8.1
75°	10.2	10.2	10.2	9.7	9.1	8.4	8.1
72.5°	10.2	10.2	10.2	10.0	9.3	8.4	8.1
70°	10.2	10.2	10.2	10.2	9.4	8.4	8.1
67.5°	10.2	10.2	10.2	10.2	9.6	8.5	8.1
65°	10.2	10.2	10.2	10.2	9.7	8.5	8.1
62.5°	10.2	10.2	10.2	10.2	9.8	8.5	8.1
60°	10.2	10.2	10.2	10.2	9.9	8.6	8.1
57.5°	10.2	10.2	10.2	10.2	9.9	8.6	8.1
55°	10.2	10.2	10.2	10.2	9.9	8.6	8.1
52.5°	10.2	10.2	10.2	10.2	9.9	8.6	8.1
50°	10.2	10.2	10.2	10.2	9.8	8.6	8.1
47.5°	10.2	10.2	10.2	10.2	9.8	8.6	8.1
45°	10.4	10.2	10.2	10.2	9.8	8.6	8.1
42.5°	10.6	10.2	10.2	10.2	9.8	8.6	8.1
40°	10.8	10.2	10.2	10.2	9.8	8.6	8.1
37.5°	11.0	10.2	10.2	10.2	9.9	8.6	8.1
35°	11.3	10.3	10.2	10.2	9.9	8.6	8.1
32.5°	11.6	10.5	10.2	10.2	9.9	8.6	8.1
30°	11.9	10.8	10.2	10.2	9.9	8.6	8.1
27.5°	12.3	11.0	10.2	10.2	9.9	8.5	8.1
25°	12.6	11.2	10.2	10.2	10.0	8.5	8.1
22.5°	13.0	11.4	10.2	10.2	10.0	8.5	8.1
20°	13.4	11.6	10.2	10.2	10.0	8.4	8.1
17.5°	13.6	11.7	10.2	10.2	10.1	8.4	8.1
15°	13.8	11.9	10.2	10.2	10.1	8.4	8.1
12.5°	13.9	12.0	10.2	10.2	10.1	8.3	8.1
10°	14.0	12.0	10.2	10.2	10.1	8.3	8.1
7.5°	14.1	12.1	10.2	10.2	10.2	8.2	8.1
5°	14.2	12.2	10.2	10.2	10.2	8.2	8.1
2.5°	14.2	12.2	10.2	10.2	10.2	8.1	8.1
0°	14.2	12.2	10.2	10.2	10.2	8.1	8.1
-2.5°	14.5	12.4	10.4	10.2	10.2	8.1	8.1
-5°	14.7	12.6	10.5	10.2	10.2	8.2	8.1
-7.5°	14.9	12.8	10.7	10.2	10.2	8.2	8.1
-10°	15.1	12.9	10.9	10.2	10.1	8.3	8.1
-12.5°	15.3	13.1	11.0	10.2	10.1	8.3	8.1
-15°	15.4	13.2	11.1	10.2	10.1	8.4	8.1
-17.5°	15.5	13.3	11.2	10.2	10.1	8.4	8.1
-20°	16.0	13.3	11.2	10.2	10.0	8.4	8.1



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.9	13.4	11.3	10.2	10.0	8.5	8.1
-25°	17.6	13.4	11.3	10.2	10.0	8.5	8.1
-27.5°	17.8	13.4	11.2	10.2	9.9	8.5	8.1
-30°	17.7	13.4	11.1	10.2	9.9	8.6	8.1
-32.5°	17.2	13.2	11.0	10.2	9.9	8.6	8.1
-35°	16.8	12.9	10.9	10.2	9.9	8.6	8.1
-37.5°	16.5	12.6	10.8	10.2	9.9	8.6	8.1
-40°	16.0	12.5	10.6	10.2	9.8	8.6	8.1
-42.5°	15.4	12.2	10.6	10.2	9.8	8.6	8.1
-45°	14.6	12.0	10.6	10.3	9.8	8.6	8.1
-47.5°	13.6	11.8	10.7	10.3	9.8	8.6	8.1
-50°	13.2	11.5	10.7	10.3	9.8	8.6	8.1
-52.5°	12.9	11.3	10.8	10.4	9.9	8.6	8.1
-55°	12.5	11.3	10.8	10.4	9.9	8.6	8.1
-57.5°	12.1	11.3	10.9	10.4	9.9	8.6	8.1
-60°	11.8	11.4	10.9	10.3	9.9	8.6	8.1
-62.5°	11.9	11.4	10.9	10.3	9.8	8.5	8.1
-65°	11.9	11.5	10.8	10.3	9.7	8.5	8.1
-67.5°	12.0	11.4	10.6	10.3	9.6	8.5	8.1
-70°	12.0	11.1	10.5	10.2	9.4	8.4	8.1
-72.5°	11.7	10.9	10.4	10.0	9.3	8.4	8.1
-75°	11.2	10.6	10.2	9.7	9.1	8.4	8.1
-77.5°	10.7	10.3	9.9	9.5	9.0	8.3	8.1
-80°	10.3	9.9	9.6	9.2	8.8	8.3	8.1
-82.5°	9.7	9.5	9.2	8.9	8.6	8.2	8.1
-85°	9.2	9.0	8.8	8.6	8.5	8.2	8.1
-87.5°	8.6	8.6	8.5	8.4	8.3	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

