

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: P701429 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-5S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701429 (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: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0320L-57-70-5S-CV5-S
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

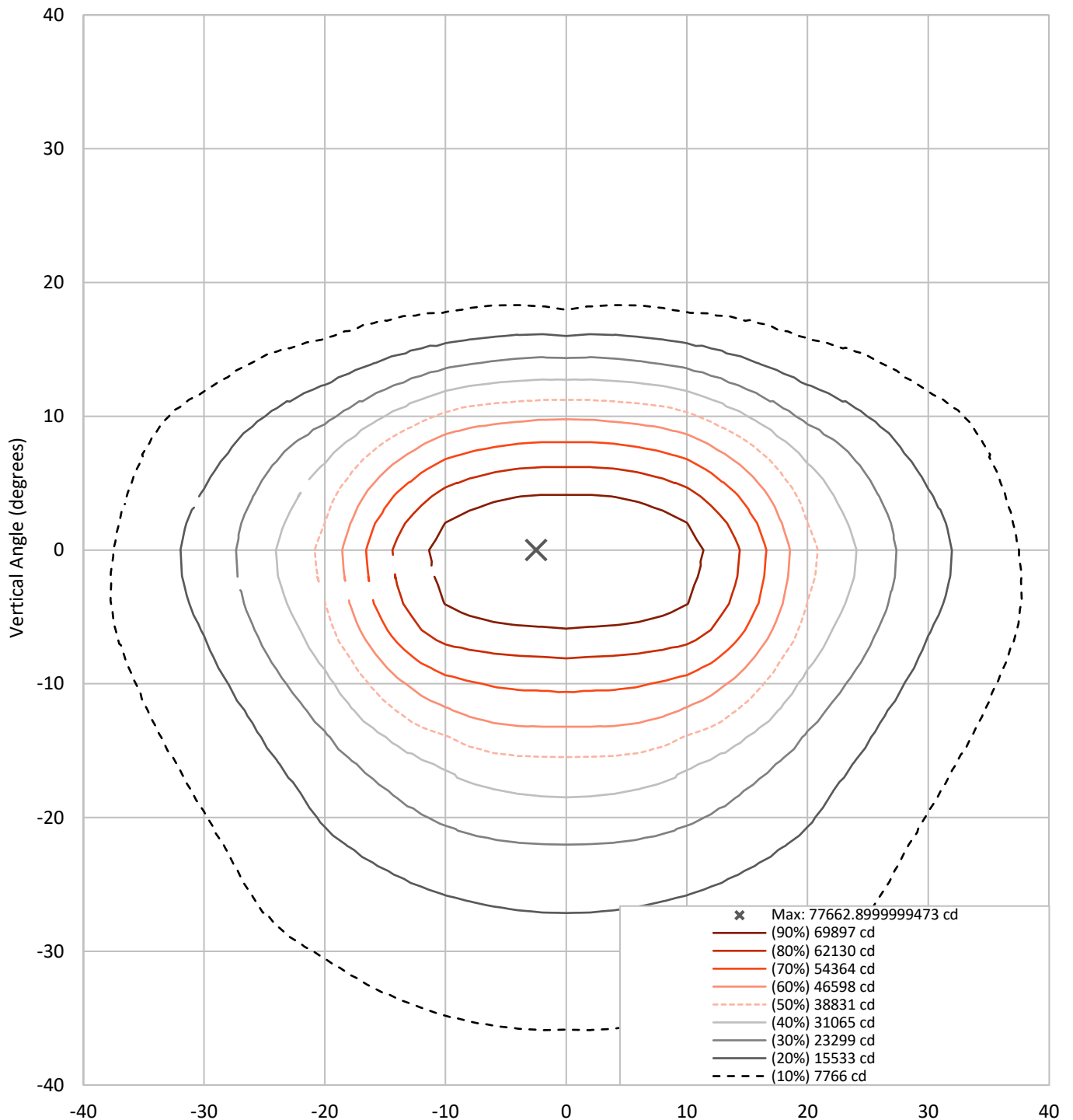
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	30774.4 lumens	Max Intensity:	77662.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	89.4 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:	15252.5 lumens	Field Lumens:	27586.9 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 344.2
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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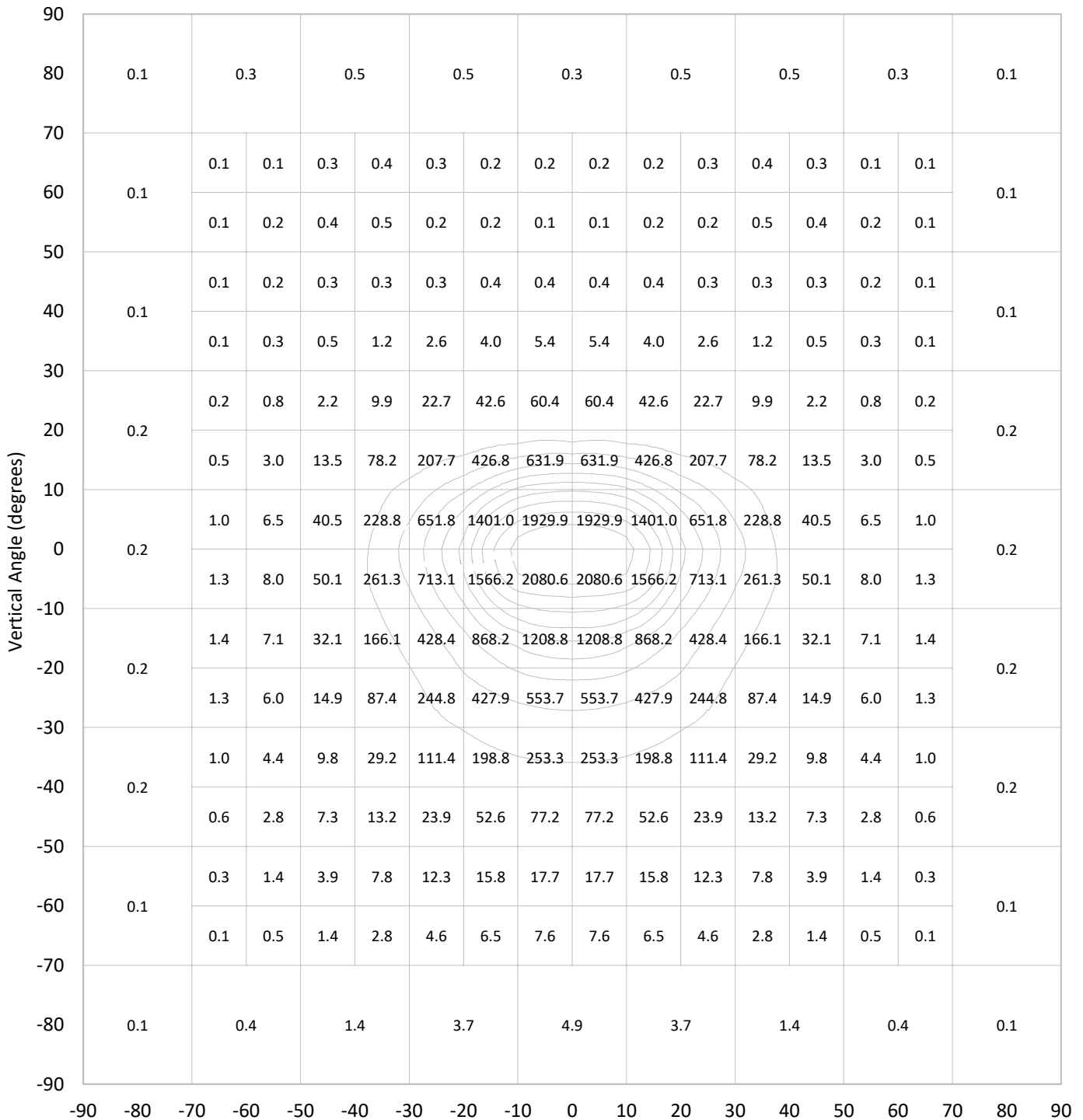
Iso-Candela Plot





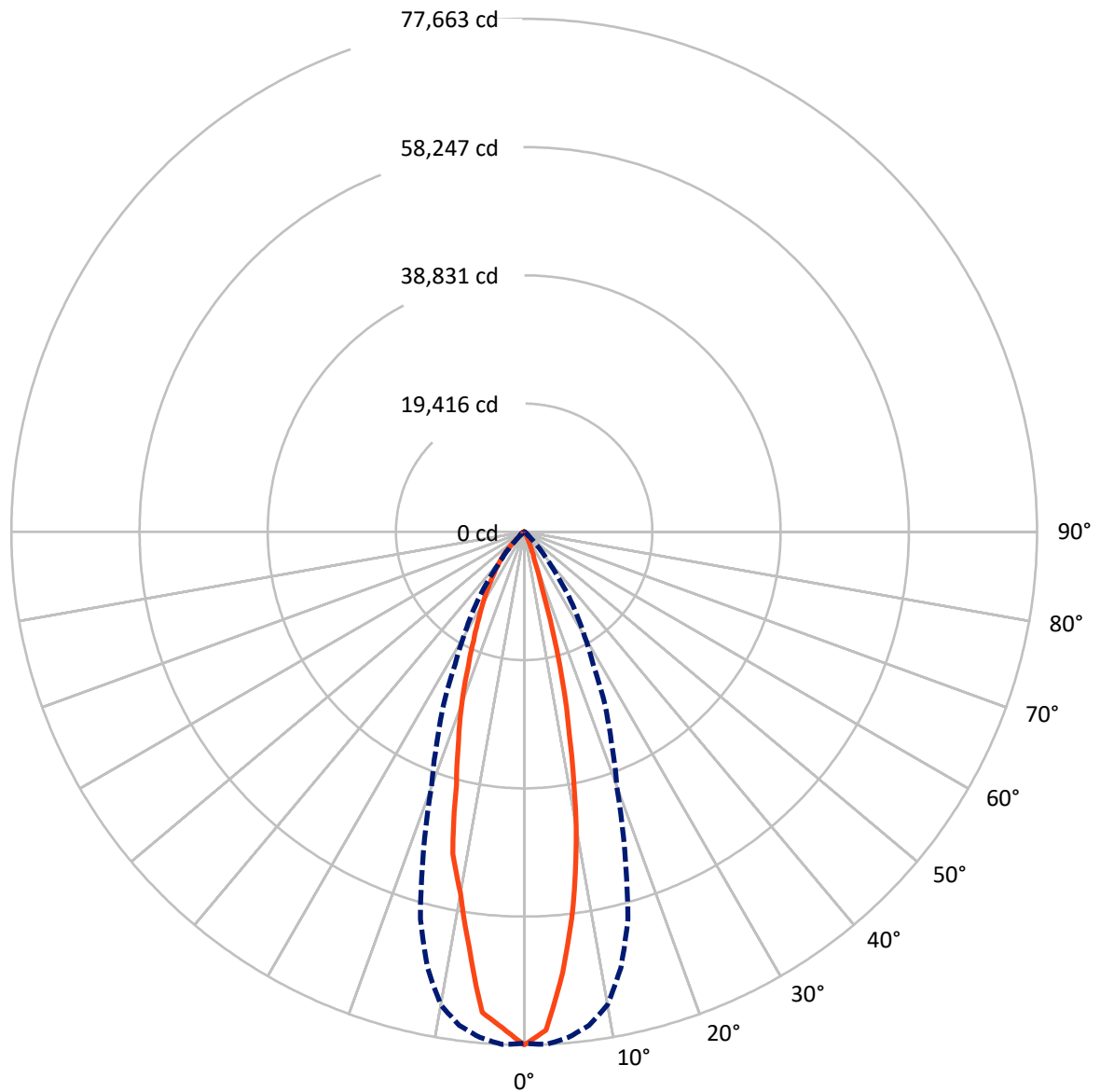
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Lumen Table



REPORT NUMBER: P701429 (CONVERTED FROM TYPE C PHOTOMETRY)
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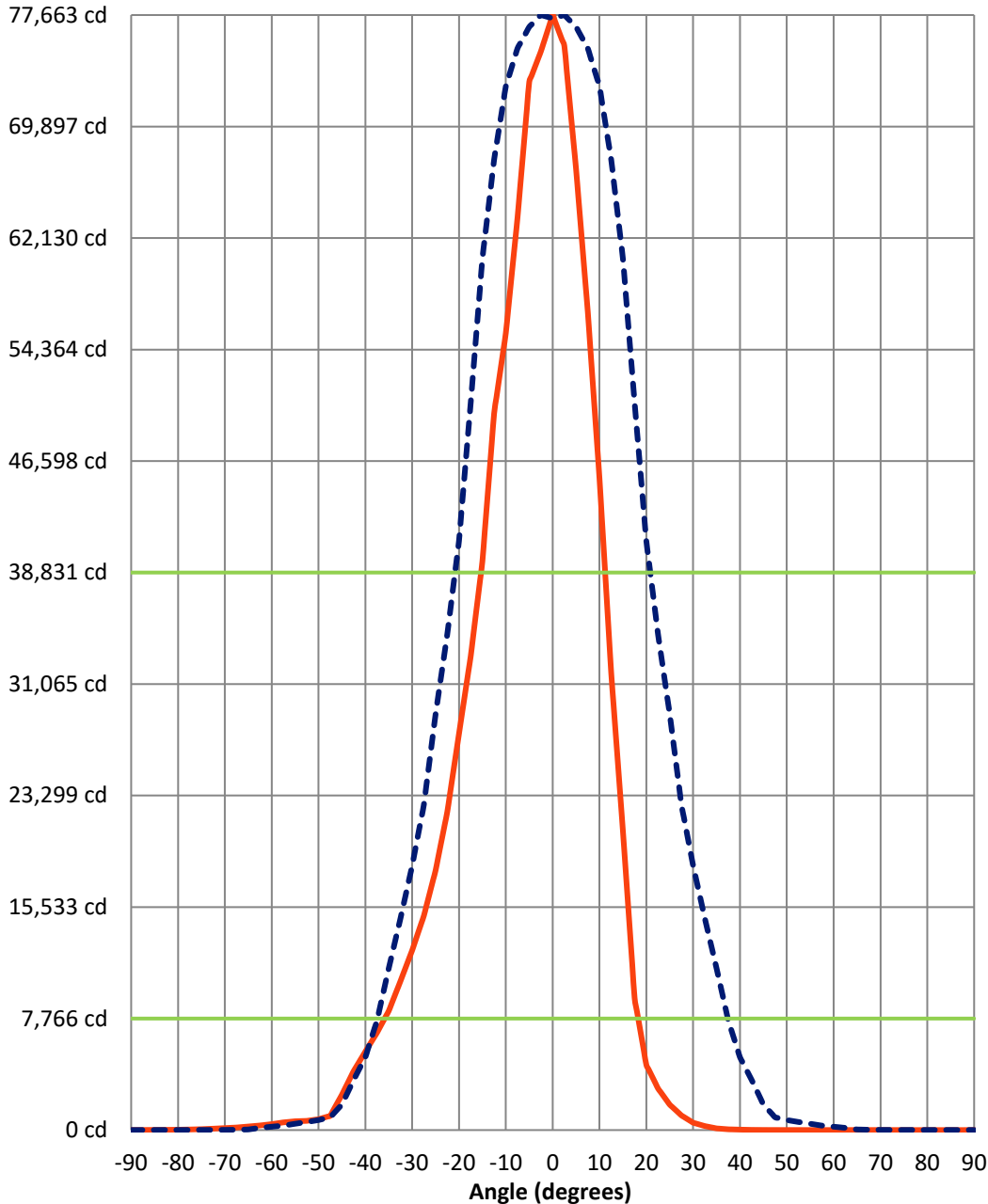
Luminous Intensity Polar Plot



— 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: 15252.5
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 27586.9
 Efficiency: 89.6%

Spill:
 Lumens: 3187.4
 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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.8	4.9	4.9	5.0	5.0	5.0	4.9	4.8	4.7
85°	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.2	5.1	4.9	4.7
82.5°	4.7	4.8	5.0	5.2	5.3	5.5	5.6	5.5	5.3	5.1	5.0
80°	4.7	4.8	5.1	5.3	5.5	5.7	5.9	5.7	5.5	5.5	5.5
77.5°	4.7	4.8	5.2	5.5	5.7	5.9	5.9	5.8	5.7	5.8	5.9
75°	4.7	4.8	5.3	5.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9
72.5°	4.7	4.9	5.4	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9
70°	4.7	4.9	5.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
67.5°	4.7	4.9	5.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
65°	4.7	4.9	5.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
62.5°	4.7	4.9	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
60°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
57.5°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
55°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
52.5°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
50°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	6.0	5.9	5.9	6.3
47.5°	4.7	5.0	5.7	5.9	5.9	5.9	5.9	6.1	5.9	5.9	6.7
45°	4.7	5.0	5.7	5.9	5.9	5.9	6.0	6.2	6.0	6.2	7.0
42.5°	4.7	5.0	5.7	5.9	5.9	5.9	6.1	6.3	6.2	6.6	7.5
40°	4.7	5.0	5.7	5.9	5.9	5.9	6.3	6.5	6.4	6.9	7.8
37.5°	4.7	5.0	5.7	5.9	5.9	5.9	6.4	6.6	6.8	7.4	8.1
35°	4.7	5.0	5.7	5.9	5.9	6.0	6.6	6.8	7.2	7.9	8.3
32.5°	4.7	5.0	5.7	5.9	5.9	6.1	6.7	7.1	7.7	8.4	9.1
30°	4.7	5.0	5.7	5.9	5.9	6.2	6.9	7.3	8.0	9.0	10.0
27.5°	4.7	4.9	5.8	5.9	5.9	6.4	7.1	7.7	8.5	9.6	11.0
25°	4.7	4.9	5.8	5.9	5.9	6.5	7.3	8.0	9.0	10.4	12.2
22.5°	4.7	4.9	5.8	5.9	5.9	6.6	7.5	8.3	9.5	11.3	14.3
20°	4.7	4.9	5.8	5.9	5.9	6.7	7.7	8.6	10.0	12.3	16.7
17.5°	4.7	4.9	5.8	5.9	5.9	6.8	7.9	8.9	10.5	13.3	19.4
15°	4.7	4.9	5.8	5.9	5.9	6.9	8.0	9.1	11.0	14.3	22.2
12.5°	4.7	4.8	5.9	5.9	5.9	7.0	8.0	9.2	11.4	15.4	25.1
10°	4.7	4.8	5.9	5.9	5.9	7.0	8.1	9.3	11.8	16.7	28.3
7.5°	4.7	4.8	5.9	5.9	5.9	7.0	8.1	9.3	12.1	18.2	32.0
5°	4.7	4.8	5.9	5.9	5.9	7.1	8.2	9.4	12.5	19.7	35.7
2.5°	4.7	4.7	5.9	5.9	5.9	7.1	8.2	9.4	12.8	21.1	39.2
0°	4.7	4.7	5.9	5.9	5.9	7.1	8.2	9.4	12.8	21.1	39.2
-2.5°	4.7	4.7	5.9	5.9	6.0	7.2	8.4	10.5	16.2	28.2	51.8
-5°	4.7	4.8	5.9	5.9	6.1	7.3	8.5	11.6	19.2	33.6	60.5
-7.5°	4.7	4.8	5.9	5.9	6.2	7.4	8.6	12.5	21.9	38.6	68.5
-10°	4.7	4.8	5.9	5.9	6.3	7.5	8.7	13.3	24.3	43.1	75.4
-12.5°	4.7	4.8	5.9	5.9	6.4	7.6	8.8	14.0	26.3	46.8	80.7
-15°	4.7	4.9	5.8	5.9	6.4	7.6	8.9	14.4	27.9	50.0	84.6
-17.5°	4.7	4.9	5.8	5.9	6.5	7.7	9.0	15.0	29.3	52.3	87.3
-20°	4.7	4.9	5.8	5.9	6.5	7.7	9.2	15.9	30.2	53.6	88.6



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	4.9	5.8	5.9	6.5	7.7	9.8	16.4	30.5	54.0	88.3
-25°	4.7	4.9	5.8	5.9	6.5	7.8	10.1	16.7	30.1	53.2	86.5
-27.5°	4.7	4.9	5.8	5.9	6.5	7.8	10.3	16.7	29.0	51.9	85.5
-30°	4.7	5.0	5.7	5.9	6.5	7.8	10.2	16.3	28.4	50.6	83.0
-32.5°	4.7	5.0	5.7	5.9	6.4	7.7	9.9	16.2	27.9	48.3	79.0
-35°	4.7	5.0	5.7	5.9	6.3	7.5	9.7	15.9	27.0	45.1	73.4
-37.5°	4.7	5.0	5.7	5.9	6.2	7.3	9.5	15.2	25.7	41.0	65.7
-40°	4.7	5.0	5.7	5.9	6.1	7.2	9.3	14.2	23.9	38.2	58.5
-42.5°	4.7	5.0	5.7	5.9	6.1	7.1	8.9	12.7	22.1	34.8	50.8
-45°	4.7	5.0	5.7	5.9	6.2	7.0	8.4	11.5	20.0	30.8	43.1
-47.5°	4.7	5.0	5.7	6.0	6.2	6.8	7.9	10.8	17.4	26.5	38.2
-50°	4.7	5.0	5.7	6.0	6.2	6.7	7.6	10.0	14.1	22.7	32.9
-52.5°	4.7	5.0	5.7	6.0	6.3	6.5	7.4	9.1	12.2	18.7	27.3
-55°	4.7	5.0	5.7	6.0	6.3	6.5	7.3	8.1	10.9	14.4	22.4
-57.5°	4.7	5.0	5.7	6.0	6.3	6.6	7.0	7.9	9.6	12.3	17.3
-60°	4.7	5.0	5.7	6.0	6.3	6.6	6.9	7.6	8.4	10.7	13.2
-62.5°	4.7	4.9	5.7	6.0	6.3	6.6	6.9	7.4	8.1	9.2	11.5
-65°	4.7	4.9	5.6	6.0	6.2	6.7	6.9	7.2	7.8	8.5	9.7
-67.5°	4.7	4.9	5.5	5.9	6.2	6.6	7.0	7.2	7.5	8.2	8.9
-70°	4.7	4.9	5.5	5.9	6.1	6.5	7.0	7.2	7.4	7.8	8.4
-72.5°	4.7	4.9	5.4	5.8	6.0	6.3	6.8	7.1	7.3	7.6	8.0
-75°	4.7	4.8	5.3	5.6	5.9	6.1	6.5	6.8	7.1	7.3	7.6
-77.5°	4.7	4.8	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.2
-80°	4.7	4.8	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7
-82.5°	4.7	4.8	5.0	5.2	5.3	5.5	5.6	5.8	5.9	6.1	6.2
-85°	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
-87.5°	4.7	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



REPORT NUMBER: P701429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	5.1	5.0	4.9	4.7	4.7	4.7	4.7	4.8	4.9	4.9	4.8
80°	5.5	5.3	5.2	5.1	5.2	5.4	5.5	5.7	5.6	5.4	5.1
77.5°	5.7	5.6	5.6	5.7	5.9	5.9	5.9	5.9	5.7	5.4	5.1
75°	5.8	5.9	5.9	5.9	5.9	5.9	5.9	6.1	6.2	6.1	6.0
72.5°	5.9	5.9	5.9	5.9	5.9	6.1	6.4	6.8	7.1	7.0	7.0
70°	5.9	5.9	5.9	5.9	6.0	6.4	7.0	7.6	7.9	8.1	8.6
67.5°	5.9	5.9	5.9	6.0	6.4	7.0	7.7	8.8	10.2	10.8	11.6
65°	5.9	5.9	6.0	6.4	7.0	7.9	9.1	10.7	13.8	15.5	16.2
62.5°	5.9	6.0	6.3	6.9	7.6	8.7	11.0	14.4	18.8	21.4	21.2
60°	5.9	6.0	6.6	7.4	8.3	10.1	13.4	18.0	23.9	28.3	25.5
57.5°	5.9	6.3	7.1	8.1	9.5	11.1	15.4	21.1	27.0	33.4	28.5
55°	6.1	6.7	7.8	9.2	10.6	12.1	16.1	21.2	27.7	31.3	26.6
52.5°	6.5	7.3	8.8	10.2	11.5	12.5	14.3	19.1	22.7	25.3	22.7
50°	7.0	8.2	9.6	10.8	11.8	11.7	11.2	14.9	17.8	18.6	18.4
47.5°	7.6	9.0	10.0	11.1	11.3	11.0	9.9	11.7	13.6	14.6	13.9
45°	8.2	9.4	10.4	10.8	11.0	10.6	10.2	9.7	11.8	12.2	11.7
42.5°	8.7	9.7	10.5	10.6	11.1	11.3	11.3	10.9	11.2	11.5	11.3
40°	9.0	10.1	10.7	11.7	11.9	12.9	13.6	13.5	11.5	12.7	12.9
37.5°	9.2	10.4	11.7	14.1	13.7	15.4	16.7	18.3	16.8	15.7	17.6
35°	9.5	10.9	14.8	17.7	17.8	18.8	23.0	25.0	23.7	22.5	24.8
32.5°	9.9	11.5	19.0	22.0	23.7	25.3	31.1	32.3	33.3	34.0	35.8
30°	10.9	15.3	23.7	26.8	30.5	36.8	39.9	40.9	45.2	51.0	66.7
27.5°	13.1	20.3	28.3	33.1	38.9	49.7	53.8	54.4	61.5	76.6	114.4
25°	15.9	32.1	33.1	40.2	51.1	64.1	72.5	80.6	83.3	128.7	218.9
22.5°	22.3	47.3	52.6	47.9	64.1	80.8	98.7	121.5	156.0	208.4	342.1
20°	33.4	63.9	76.9	80.3	84.4	99.8	129.1	175.0	282.9	469.2	646.9
17.5°	46.4	83.1	104.1	121.2	140.4	146.6	165.6	238.9	443.0	841.1	1306.7
15°	60.6	104.3	133.5	167.0	202.4	229.6	269.5	384.0	713.1	1354.7	2154.3
12.5°	75.6	127.0	164.5	216.5	268.9	317.7	392.4	637.3	1190.9	2080.8	3293.8
10°	91.0	150.7	196.6	268.6	338.7	409.3	519.9	927.2	1756.0	2854.6	4331.8
7.5°	107.9	173.8	228.5	322.0	410.3	502.8	649.4	1239.1	2341.1	3569.4	5231.1
5°	124.4	195.5	256.8	364.8	468.9	584.0	766.9	1555.3	2921.7	4221.5	6046.4
2.5°	139.7	215.8	284.1	403.7	517.0	643.3	831.5	1685.7	3256.0	4702.7	6850.0
0°	153.1	234.4	309.8	439.4	561.9	698.6	888.3	1780.1	3485.9	5071.6	7633.9
-2.5°	158.9	241.5	322.6	450.2	560.1	689.8	888.6	1811.4	3683.0	5509.8	8029.8
-5°	162.5	246.6	332.8	457.3	555.6	676.7	879.9	1797.5	3715.4	5611.1	7873.4
-7.5°	164.0	249.5	340.0	458.8	544.2	650.9	840.6	1666.2	3363.2	5146.5	7140.1
-10°	163.6	248.7	337.1	444.5	523.5	616.4	788.0	1493.3	2955.5	4622.0	6360.6
-12.5°	160.6	244.7	330.5	428.8	503.4	580.2	727.5	1280.3	2508.6	4053.6	5614.5
-15°	156.4	239.1	321.7	412.4	484.7	543.0	659.5	1028.8	2042.8	3543.6	5015.5
-17.5°	151.2	232.0	310.8	396.0	468.3	505.5	586.7	777.1	1626.3	2997.3	4412.2
-20°	145.2	223.6	298.0	380.1	453.2	480.8	548.1	700.7	1285.9	2388.6	3757.4



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	138.7	214.0	284.5	363.5	431.3	467.9	514.1	619.8	917.0	1722.1	3050.2
-25°	134.6	203.7	271.5	341.7	409.5	455.7	479.4	542.1	693.3	1299.5	2304.2
-27.5°	132.0	193.6	253.8	318.2	388.0	440.5	460.1	503.2	609.3	861.1	1602.9
-30°	127.4	178.1	234.6	294.2	361.6	416.3	447.8	473.1	537.2	675.0	1099.4
-32.5°	117.9	161.5	215.4	271.7	332.6	393.3	438.5	462.9	504.4	575.7	718.2
-35°	106.7	147.8	195.7	247.8	302.5	364.9	418.1	458.4	478.0	527.1	618.5
-37.5°	96.3	133.2	175.1	223.8	275.2	332.7	394.8	440.2	472.7	495.3	560.4
-40°	84.9	117.7	156.9	200.5	247.6	300.3	357.9	414.1	457.4	494.9	523.9
-42.5°	73.0	104.0	139.0	176.4	220.8	268.5	319.3	375.4	431.2	481.9	521.1
-45°	63.9	89.3	120.6	155.5	193.3	236.2	283.0	332.0	390.1	448.5	499.2
-47.5°	54.2	74.9	103.2	133.3	167.1	204.9	245.9	291.9	341.1	397.4	457.0
-50°	45.1	63.7	84.5	112.2	141.6	174.2	210.4	250.8	294.9	341.8	393.6
-52.5°	38.5	51.9	70.0	91.0	117.0	145.0	176.5	211.3	249.4	289.3	331.4
-55°	31.5	42.9	56.1	73.3	93.3	117.6	144.1	174.4	204.9	240.4	272.5
-57.5°	25.2	34.5	44.9	57.3	73.6	91.3	114.6	138.7	166.1	193.8	217.6
-60°	19.2	26.8	35.5	45.0	55.5	70.8	86.4	106.5	128.7	149.9	170.3
-62.5°	13.7	19.9	27.0	34.8	43.3	52.1	64.9	79.1	93.2	111.1	127.5
-65°	11.8	14.1	19.3	25.8	32.3	40.6	48.7	56.4	68.3	79.8	90.6
-67.5°	9.7	11.6	13.9	17.2	23.1	29.9	36.6	43.8	50.6	56.6	63.3
-70°	9.0	9.3	10.8	12.9	15.6	19.8	25.8	31.8	37.7	43.3	48.6
-72.5°	8.4	8.8	9.1	9.4	11.4	14.4	17.5	20.8	24.9	29.5	34.2
-75°	7.9	8.2	8.4	8.7	9.4	10.5	12.0	14.6	17.2	19.5	21.7
-77.5°	7.4	7.6	7.8	8.0	8.5	9.2	10.0	11.1	12.4	13.8	15.2
-80°	6.9	7.1	7.3	7.4	7.7	8.0	8.5	8.9	9.7	10.7	11.8
-82.5°	6.4	6.5	6.6	6.8	6.9	7.0	7.1	7.4	7.7	8.1	8.6
-85°	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.5	6.5	6.6
-87.5°	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.7	5.0	5.3	5.6	5.9	6.8	7.6	8.5	9.4	9.1	8.8
87.5°	4.7	4.4	4.1	3.8	3.5	3.2	3.0	2.7	2.4	2.1	1.8
85°	4.7	4.6	4.5	4.5	4.5	4.2	4.0	3.7	3.4	2.9	2.3
82.5°	4.7	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	2.9	2.4
80°	4.7	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.0	2.4
77.5°	4.9	4.9	4.9	4.9	4.7	4.5	4.2	3.8	3.5	3.0	2.4
75°	5.9	5.8	5.5	5.2	4.8	4.5	4.2	3.9	3.6	3.2	2.9
72.5°	6.9	6.7	6.3	6.1	5.8	5.5	5.3	5.0	4.6	4.3	4.0
70°	9.1	9.3	9.1	8.6	7.9	7.2	6.7	6.3	5.8	5.3	4.8
67.5°	12.2	12.3	11.6	10.7	9.3	8.0	7.4	6.8	6.2	5.8	5.8
65°	16.0	14.6	13.2	11.5	9.8	8.1	7.5	6.9	6.2	5.9	5.9
62.5°	19.5	15.8	12.7	10.8	9.3	8.1	7.3	6.4	5.6	5.0	4.9
60°	21.0	15.0	10.7	9.4	8.2	7.2	6.4	5.7	5.1	4.6	4.4
57.5°	21.1	14.2	9.1	7.9	6.9	6.2	5.7	5.4	5.0	4.7	4.3
55°	19.2	12.7	7.5	6.8	6.5	6.1	5.8	5.4	5.1	4.7	4.4
52.5°	15.6	11.2	8.0	6.9	6.6	6.2	5.9	5.5	5.1	4.8	4.4
50°	13.6	10.2	8.1	7.0	6.7	6.3	5.9	5.8	5.8	5.6	5.3
47.5°	11.8	9.4	8.1	7.2	7.0	7.5	7.8	7.9	7.7	7.5	7.2
45°	10.3	9.0	8.4	8.7	9.1	9.8	10.2	10.3	10.3	10.3	10.2
42.5°	10.2	10.3	11.0	12.2	12.1	13.6	14.4	12.7	14.5	15.5	14.6
40°	13.6	13.9	17.2	19.8	22.2	22.6	26.5	27.0	27.5	29.1	29.4
37.5°	19.9	23.3	33.4	40.9	44.1	44.4	50.0	51.1	49.5	56.3	58.2
35°	30.4	46.1	62.4	71.8	77.1	81.1	88.6	97.3	93.2	108.2	113.4
32.5°	54.6	83.3	112.9	111.8	121.8	148.7	158.7	174.5	191.1	216.3	243.9
30°	91.8	169.5	203.7	191.2	219.5	257.9	258.2	302.2	363.6	415.7	494.3
27.5°	206.7	293.7	338.5	358.6	380.1	428.5	488.5	544.6	700.8	807.6	919.9
25°	350.9	471.0	519.0	593.6	661.2	706.1	887.6	1020.0	1244.7	1407.7	1576.4
22.5°	565.8	724.6	824.0	891.5	1119.4	1322.1	1516.0	1804.5	2027.5	2307.2	2517.8
20°	834.9	1049.3	1414.6	1701.2	1844.3	2274.9	2625.6	2923.7	3319.3	3666.0	3974.4
17.5°	1575.4	1695.8	2458.9	3205.7	3507.6	4064.2	5072.6	5453.0	6591.8	7425.7	7876.1
15°	2852.5	3435.2	4238.9	5483.8	6864.9	7955.9	8911.7	10869.1	13042.0	14968.3	16996.4
12.5°	4510.7	5650.2	7002.8	8525.7	11014.1	12988.6	15103.6	17900.8	21411.1	24466.2	28060.2
10°	6171.8	8097.3	9967.0	12340.1	15483.2	18531.9	21578.1	26008.6	31164.8	36115.4	40395.8
7.5°	7545.3	10155.6	12689.5	15970.2	20251.4	24499.0	28756.5	34616.4	41435.9	47085.9	51943.2
5°	8943.2	12212.3	15184.6	18968.2	24006.9	29180.2	34508.2	41814.9	49869.9	56267.7	61279.2
2.5°	10226.8	13931.1	17371.5	21590.4	27201.5	32263.0	38328.0	47298.0	56896.0	63797.9	69322.7
0°	11263.6	14735.4	18411.0	22656.8	28957.1	34536.5	41035.9	50654.9	60698.0	67593.8	72692.0
-2.5°	11040.4	14552.0	17988.6	22302.4	28627.5	33764.0	40343.9	49808.0	59730.6	66736.7	71315.6
-5°	10343.7	13451.8	16537.4	20588.7	26150.8	31156.0	37599.8	47328.0	56846.0	63990.4	69259.2
-7.5°	9313.6	11952.5	14751.2	18442.8	23284.3	28072.3	33676.9	41429.9	50313.4	56775.8	60594.7
-10°	8229.0	10414.0	13034.9	16154.6	20150.5	24450.9	29105.4	35316.1	42906.9	48574.2	52197.1
-12.5°	7278.3	9171.4	11509.6	13816.9	17077.0	20907.2	25040.2	30122.6	35131.4	41107.7	44239.8
-15°	6402.6	7980.6	9989.7	12202.0	14911.2	17921.5	20882.9	24688.3	27950.1	31683.1	34395.3
-17.5°	5670.0	6930.1	8710.3	10854.4	12894.2	15486.4	18312.5	20890.2	23647.9	26342.7	28591.8
-20°	5007.8	6047.6	7565.5	9453.2	11463.0	13667.2	16161.0	18259.3	20512.7	22560.4	24319.6



REPORT NUMBER: P701429 (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°	4255.3	5309.6	6485.2	8100.3	10113.1	12089.3	13936.0	15521.7	17224.4	18879.1	20128.2
-25°	3472.2	4484.1	5609.5	7133.8	8782.6	10445.5	11753.3	12869.7	14198.8	15391.2	16463.2
-27.5°	2662.4	3741.2	4955.1	6228.2	7662.4	8719.2	9819.8	10829.4	11839.5	12641.8	13547.1
-30°	1850.9	3028.1	4222.0	5427.0	6409.3	7252.8	8073.7	8999.7	9913.6	10676.1	11315.1
-32.5°	1271.0	2120.2	3325.0	4445.5	5285.2	6002.1	6636.1	7425.7	8133.9	8761.4	9320.5
-35°	763.4	1361.6	2188.9	3253.8	4172.6	4870.0	5515.8	6114.5	6643.2	7171.7	7592.3
-37.5°	654.0	786.5	1288.3	1996.4	2870.8	3714.8	4378.3	4938.7	5431.4	5838.4	6195.2
-40°	588.9	667.3	777.0	1018.6	1662.5	2307.1	3031.2	3669.9	4189.5	4571.8	4882.3
-42.5°	550.5	600.8	654.4	740.5	836.2	1142.2	1696.2	2225.4	2682.1	3105.6	3469.1
-45°	544.0	565.3	594.1	642.7	686.8	766.1	852.7	937.3	1296.5	1636.9	1916.2
-47.5°	503.2	546.6	573.1	594.9	618.0	655.5	692.0	731.2	796.5	857.9	910.5
-50°	443.7	490.4	530.5	569.6	590.2	605.4	620.5	640.0	665.4	688.7	710.1
-52.5°	370.8	415.7	460.6	502.3	534.9	564.9	591.9	604.5	614.1	622.8	629.7
-55°	306.0	341.5	376.9	415.0	452.7	488.5	519.5	539.9	558.3	574.6	588.5
-57.5°	245.0	272.6	301.5	332.4	362.5	391.4	419.0	444.1	466.4	485.9	502.2
-60°	189.8	208.4	232.5	257.1	280.5	302.7	325.0	345.3	363.7	379.9	392.5
-62.5°	142.4	157.9	176.2	193.5	208.9	225.4	246.3	263.8	278.1	289.7	299.9
-65°	102.3	115.2	129.9	144.5	158.7	172.9	187.5	201.5	214.9	225.6	233.2
-67.5°	72.6	81.8	92.1	101.1	111.8	124.2	137.4	149.5	160.5	168.1	172.7
-70°	53.5	58.8	66.3	75.0	83.9	92.2	100.6	109.0	117.3	123.1	127.5
-72.5°	39.0	44.3	49.8	55.4	61.4	67.6	73.7	79.9	86.1	89.9	92.6
-75°	23.6	26.8	31.6	36.2	40.8	45.0	49.0	52.8	56.3	58.1	59.3
-77.5°	17.0	19.2	21.5	24.0	26.4	28.9	31.5	34.0	36.4	37.5	38.4
-80°	13.0	14.2	15.5	16.9	18.4	19.9	21.4	23.0	24.5	24.7	24.8
-82.5°	9.2	10.1	11.0	11.9	12.7	13.6	14.4	15.2	16.0	16.2	16.3
-85°	6.7	7.2	7.8	8.3	9.0	9.6	10.2	10.9	11.5	11.6	11.7
-87.5°	5.7	6.0	6.3	6.7	7.0	7.3	7.6	8.0	8.2	8.2	8.2
-90°	4.7	4.4	4.1	3.8	3.5	3.2	3.0	2.7	2.4	2.1	1.8



REPORT NUMBER: P701429 (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°	8.5	8.2	8.2	8.2	8.2	8.2	8.5	8.8	9.1	9.4	8.5
87.5°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.1	2.4	2.7
85°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.3	2.9	3.4	3.7
82.5°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	2.9	3.5	3.8
80°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	3.0	3.5	3.8
77.5°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	3.0	3.5	3.8
75°	2.7	2.4	1.8	1.2	1.8	2.4	2.7	2.9	3.2	3.6	3.9
72.5°	3.8	3.5	3.5	3.5	3.5	3.5	3.8	4.0	4.3	4.6	5.0
70°	4.2	3.6	3.5	3.5	3.5	3.6	4.2	4.8	5.3	5.8	6.3
67.5°	5.8	5.8	5.3	4.7	5.3	5.8	5.8	5.8	5.8	6.2	6.8
65°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.2	6.9
62.5°	4.8	4.8	4.7	4.7	4.7	4.8	4.8	4.9	5.0	5.6	6.4
60°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.4	4.6	5.1	5.7
57.5°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.3	4.7	5.0	5.4
55°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.4	4.7	5.1	5.4
52.5°	4.0	3.7	3.9	4.7	3.9	3.7	4.0	4.4	4.8	5.1	5.5
50°	5.1	4.8	4.7	4.7	4.7	4.8	5.1	5.3	5.6	5.8	5.8
47.5°	6.8	6.2	5.9	5.9	5.9	6.2	6.8	7.2	7.5	7.7	7.9
45°	9.6	8.7	8.1	8.2	8.1	8.7	9.6	10.2	10.3	10.3	10.3
42.5°	14.4	14.1	14.0	14.1	14.0	14.1	14.4	14.6	15.5	14.5	12.7
40°	31.0	31.5	31.3	31.8	31.3	31.5	31.0	29.4	29.1	27.5	27.0
37.5°	58.5	56.5	53.6	54.2	53.6	56.5	58.5	58.2	56.3	49.5	51.1
35°	114.1	117.0	116.8	117.8	116.8	117.0	114.1	113.4	108.2	93.2	97.3
32.5°	263.9	277.9	278.3	283.9	278.3	277.9	263.9	243.9	216.3	191.1	174.5
30°	518.6	529.7	512.9	520.7	512.9	529.7	518.6	494.3	415.7	363.6	302.2
27.5°	978.3	1019.5	1019.0	1001.4	1019.0	1019.5	978.3	919.9	807.6	700.8	544.6
25°	1718.3	1782.0	1770.3	1749.4	1770.3	1782.0	1718.3	1576.4	1407.7	1244.7	1020.0
22.5°	2709.2	2814.4	2898.7	2843.9	2898.7	2814.4	2709.2	2517.8	2307.2	2027.5	1804.5
20°	4428.2	4458.3	4547.7	4515.6	4547.7	4458.3	4428.2	3974.4	3666.0	3319.3	2923.7
17.5°	9096.2	9422.5	9195.5	8504.5	9195.5	9422.5	9096.2	7876.1	7425.7	6591.8	5453.0
15°	18420.8	19788.6	20850.6	20267.6	20850.6	19788.6	18420.8	16996.4	14968.3	13042.0	10869.1
12.5°	30166.5	31175.7	31850.9	31900.6	31850.9	31175.7	30166.5	28060.2	24466.2	21411.1	17900.8
10°	43298.5	44190.2	45384.7	45552.7	45384.7	44190.2	43298.5	40395.8	36115.4	31164.8	26008.6
7.5°	54353.8	56162.2	56999.5	56887.0	56999.5	56162.2	54353.8	51943.2	47085.9	41435.9	34616.4
5°	64240.9	66114.4	66935.1	67071.4	66935.1	66114.4	64240.9	61279.2	56267.7	49869.9	41814.9
2.5°	72632.0	74523.5	75509.5	75239.1	75509.5	74523.5	72632.0	69322.7	63797.9	56896.0	47298.0
0°	75346.8	76836.5	77662.9	77436.1	77662.9	76836.5	75346.8	72692.0	67593.8	60698.0	50654.9
-2.5°	73621.0	74518.7	75141.5	74900.9	75141.5	74518.7	73621.0	71315.6	66736.7	59730.6	49808.0
-5°	71708.5	72773.6	73006.6	73291.6	73006.6	72773.6	71708.5	69259.2	63990.4	56846.0	47328.0
-7.5°	62047.4	63186.7	63563.1	64133.3	63563.1	63186.7	62047.4	60594.7	56775.8	50313.4	41429.9
-10°	54168.5	55446.5	55508.0	55859.7	55508.0	55446.5	54168.5	52197.1	48574.2	42906.9	35316.1
-12.5°	47569.0	49327.5	49911.0	49771.4	49911.0	49327.5	47569.0	44239.8	41107.7	35131.4	30122.6
-15°	38006.1	39508.4	39615.6	39685.8	39615.6	39508.4	38006.1	34395.3	31683.1	27950.1	24688.3
-17.5°	30978.4	32438.2	33000.9	33175.8	33000.9	32438.2	30978.4	28591.8	26342.7	23647.9	20890.2
-20°	25829.7	26916.5	27603.9	27888.6	27603.9	26916.5	25829.7	24319.6	22560.4	20512.7	18259.3



REPORT NUMBER: P701429 (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°
-22.5°	21220.1	21909.1	22160.3	22223.2	22160.3	21909.1	21220.1	20128.2	18879.1	17224.4	15521.7
-25°	17216.2	17763.4	18081.5	18214.2	18081.5	17763.4	17216.2	16463.2	15391.2	14198.8	12869.7
-27.5°	14134.3	14621.2	14927.4	14974.5	14927.4	14621.2	14134.3	13547.1	12641.8	11839.5	10829.4
-30°	11804.3	12232.0	12518.1	12596.0	12518.1	12232.0	11804.3	11315.1	10676.1	9913.6	8999.7
-32.5°	9781.1	10147.1	10371.6	10468.4	10371.6	10147.1	9781.1	9320.5	8761.4	8133.9	7425.7
-35°	7906.2	8152.3	8296.1	8248.9	8296.1	8152.3	7906.2	7592.3	7171.7	6643.2	6114.5
-37.5°	6481.3	6679.3	6787.0	6792.8	6787.0	6679.3	6481.3	6195.2	5838.4	5431.4	4938.7
-40°	5139.5	5340.6	5461.7	5468.6	5461.7	5340.6	5139.5	4882.3	4571.8	4189.5	3669.9
-42.5°	3758.2	3964.1	4104.7	4196.3	4104.7	3964.1	3758.2	3469.1	3105.6	2682.1	2225.4
-45°	2149.2	2327.1	2462.7	2561.1	2462.7	2327.1	2149.2	1916.2	1636.9	1296.5	937.3
-47.5°	949.8	978.7	991.2	987.2	991.2	978.7	949.8	910.5	857.9	796.5	731.2
-50°	729.7	746.8	755.3	755.1	755.3	746.8	729.7	710.1	688.7	665.4	640.0
-52.5°	635.2	639.5	642.0	643.2	642.0	639.5	635.2	629.7	622.8	614.1	604.5
-55°	600.0	609.1	612.4	611.4	612.4	609.1	600.0	588.5	574.6	558.3	539.9
-57.5°	516.0	527.1	534.6	538.4	534.6	527.1	516.0	502.2	485.9	466.4	444.1
-60°	402.1	408.7	412.8	414.7	412.8	408.7	402.1	392.5	379.9	363.7	345.3
-62.5°	308.8	316.3	320.1	321.6	320.1	316.3	308.8	299.9	289.7	278.1	263.8
-65°	239.9	245.4	248.4	249.8	248.4	245.4	239.9	233.2	225.6	214.9	201.5
-67.5°	176.1	178.6	179.8	180.2	179.8	178.6	176.1	172.7	168.1	160.5	149.5
-70°	131.6	135.2	137.5	139.0	137.5	135.2	131.6	127.5	123.1	117.3	109.0
-72.5°	94.9	96.7	98.1	99.0	98.1	96.7	94.9	92.6	89.9	86.1	79.9
-75°	60.2	60.8	61.2	61.3	61.2	60.8	60.2	59.3	58.1	56.3	52.8
-77.5°	39.1	39.8	40.6	41.2	40.6	39.8	39.1	38.4	37.5	36.4	34.0
-80°	24.7	24.6	24.7	24.7	24.7	24.6	24.7	24.8	24.7	24.5	23.0
-82.5°	16.4	16.4	16.5	16.5	16.5	16.4	16.4	16.3	16.2	16.0	15.2
-85°	11.7	11.8	11.8	11.8	11.8	11.8	11.7	11.7	11.6	11.5	10.9
-87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.0
-90°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.1	2.4	2.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.6	6.8	5.9	5.6	5.3	5.0	4.7	4.7	4.7	4.7	4.7
87.5°	3.0	3.2	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7
85°	4.0	4.2	4.5	4.5	4.5	4.6	4.7	4.7	4.7	4.7	4.7
82.5°	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.8	4.9	4.9	4.8
80°	4.1	4.4	4.7	4.7	4.7	4.7	4.7	5.1	5.4	5.6	5.7
77.5°	4.2	4.5	4.7	4.9	4.9	4.9	4.9	5.1	5.4	5.7	5.9
75°	4.2	4.5	4.8	5.2	5.5	5.8	5.9	6.0	6.1	6.2	6.1
72.5°	5.3	5.5	5.8	6.1	6.3	6.7	6.9	7.0	7.0	7.1	6.8
70°	6.7	7.2	7.9	8.6	9.1	9.3	9.1	8.6	8.1	7.9	7.6
67.5°	7.4	8.0	9.3	10.7	11.6	12.3	12.2	11.6	10.8	10.2	8.8
65°	7.5	8.1	9.8	11.5	13.2	14.6	16.0	16.2	15.5	13.8	10.7
62.5°	7.3	8.1	9.3	10.8	12.7	15.8	19.5	21.2	21.4	18.8	14.4
60°	6.4	7.2	8.2	9.4	10.7	15.0	21.0	25.5	28.3	23.9	18.0
57.5°	5.7	6.2	6.9	7.9	9.1	14.2	21.1	28.5	33.4	27.0	21.1
55°	5.8	6.1	6.5	6.8	7.5	12.7	19.2	26.6	31.3	27.7	21.2
52.5°	5.9	6.2	6.6	6.9	8.0	11.2	15.6	22.7	25.3	22.7	19.1
50°	5.9	6.3	6.7	7.0	8.1	10.2	13.6	18.4	18.6	17.8	14.9
47.5°	7.8	7.5	7.0	7.2	8.1	9.4	11.8	13.9	14.6	13.6	11.7
45°	10.2	9.8	9.1	8.7	8.4	9.0	10.3	11.7	12.2	11.8	9.7
42.5°	14.4	13.6	12.1	12.2	11.0	10.3	10.2	11.3	11.5	11.2	10.9
40°	26.5	22.6	22.2	19.8	17.2	13.9	13.6	12.9	12.7	11.5	13.5
37.5°	50.0	44.4	44.1	40.9	33.4	23.3	19.9	17.6	15.7	16.8	18.3
35°	88.6	81.1	77.1	71.8	62.4	46.1	30.4	24.8	22.5	23.7	25.0
32.5°	158.7	148.7	121.8	111.8	112.9	83.3	54.6	35.8	34.0	33.3	32.3
30°	258.2	257.9	219.5	191.2	203.7	169.5	91.8	66.7	51.0	45.2	40.9
27.5°	488.5	428.5	380.1	358.6	338.5	293.7	206.7	114.4	76.6	61.5	54.4
25°	887.6	706.1	661.2	593.6	519.0	471.0	350.9	218.9	128.7	83.3	80.6
22.5°	1516.0	1322.1	1119.4	891.5	824.0	724.6	565.8	342.1	208.4	156.0	121.5
20°	2625.6	2274.9	1844.3	1701.2	1414.6	1049.3	834.9	646.9	469.2	282.9	175.0
17.5°	5072.6	4064.2	3507.6	3205.7	2458.9	1695.8	1575.4	1306.7	841.1	443.0	238.9
15°	8911.7	7955.9	6864.9	5483.8	4238.9	3435.2	2852.5	2154.3	1354.7	713.1	384.0
12.5°	15103.6	12988.6	11014.1	8525.7	7002.8	5650.2	4510.7	3293.8	2080.8	1190.9	637.3
10°	21578.1	18531.9	15483.2	12340.1	9967.0	8097.3	6171.8	4331.8	2854.6	1756.0	927.2
7.5°	28756.5	24499.0	20251.4	15970.2	12689.5	10155.6	7545.3	5231.1	3569.4	2341.1	1239.1
5°	34508.2	29180.2	24006.9	18968.2	15184.6	12212.3	8943.2	6046.4	4221.5	2921.7	1555.3
2.5°	38328.0	32263.0	27201.5	21590.4	17371.5	13931.1	10226.8	6850.0	4702.7	3256.0	1685.7
0°	41035.9	34536.5	28957.1	22656.8	18411.0	14735.4	11263.6	7633.9	5071.6	3485.9	1780.1
-2.5°	40343.9	33764.0	28627.5	22302.4	17988.6	14552.0	11040.4	8029.8	5509.8	3683.0	1811.4
-5°	37599.8	31156.0	26150.8	20588.7	16537.4	13451.8	10343.7	7873.4	5611.1	3715.4	1797.5
-7.5°	33676.9	28072.3	23284.3	18442.8	14751.2	11952.5	9313.6	7140.1	5146.5	3363.2	1666.2
-10°	29105.4	24450.9	20150.5	16154.6	13034.9	10414.0	8229.0	6360.6	4622.0	2955.5	1493.3
-12.5°	25040.2	20907.2	17077.0	13816.9	11509.6	9171.4	7278.3	5614.5	4053.6	2508.6	1280.3
-15°	20882.9	17921.5	14911.2	12202.0	9989.7	7980.6	6402.6	5015.5	3543.6	2042.8	1028.8
-17.5°	18312.5	15486.4	12894.2	10854.4	8710.3	6930.1	5670.0	4412.2	2997.3	1626.3	777.1
-20°	16161.0	13667.2	11463.0	9453.2	7565.5	6047.6	5007.8	3757.4	2388.6	1285.9	700.7



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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°	13936.0	12089.3	10113.1	8100.3	6485.2	5309.6	4255.3	3050.2	1722.1	917.0	619.8
-25°	11753.3	10445.5	8782.6	7133.8	5609.5	4484.1	3472.2	2304.2	1299.5	693.3	542.1
-27.5°	9819.8	8719.2	7662.4	6228.2	4955.1	3741.2	2662.4	1602.9	861.1	609.3	503.2
-30°	8073.7	7252.8	6409.3	5427.0	4222.0	3028.1	1850.9	1099.4	675.0	537.2	473.1
-32.5°	6636.1	6002.1	5285.2	4445.5	3325.0	2120.2	1271.0	718.2	575.7	504.4	462.9
-35°	5515.8	4870.0	4172.6	3253.8	2188.9	1361.6	763.4	618.5	527.1	478.0	458.4
-37.5°	4378.3	3714.8	2870.8	1996.4	1288.3	786.5	654.0	560.4	495.3	472.7	440.2
-40°	3031.2	2307.1	1662.5	1018.6	777.0	667.3	588.9	523.9	494.9	457.4	414.1
-42.5°	1696.2	1142.2	836.2	740.5	654.4	600.8	550.5	521.1	481.9	431.2	375.4
-45°	852.7	766.1	686.8	642.7	594.1	565.3	544.0	499.2	448.5	390.1	332.0
-47.5°	692.0	655.5	618.0	594.9	573.1	546.6	503.2	457.0	397.4	341.1	291.9
-50°	620.5	605.4	590.2	569.6	530.5	490.4	443.7	393.6	341.8	294.9	250.8
-52.5°	591.9	564.9	534.9	502.3	460.6	415.7	370.8	331.4	289.3	249.4	211.3
-55°	519.5	488.5	452.7	415.0	376.9	341.5	306.0	272.5	240.4	204.9	174.4
-57.5°	419.0	391.4	362.5	332.4	301.5	272.6	245.0	217.6	193.8	166.1	138.7
-60°	325.0	302.7	280.5	257.1	232.5	208.4	189.8	170.3	149.9	128.7	106.5
-62.5°	246.3	225.4	208.9	193.5	176.2	157.9	142.4	127.5	111.1	93.2	79.1
-65°	187.5	172.9	158.7	144.5	129.9	115.2	102.3	90.6	79.8	68.3	56.4
-67.5°	137.4	124.2	111.8	101.1	92.1	81.8	72.6	63.3	56.6	50.6	43.8
-70°	100.6	92.2	83.9	75.0	66.3	58.8	53.5	48.6	43.3	37.7	31.8
-72.5°	73.7	67.6	61.4	55.4	49.8	44.3	39.0	34.2	29.5	24.9	20.8
-75°	49.0	45.0	40.8	36.2	31.6	26.8	23.6	21.7	19.5	17.2	14.6
-77.5°	31.5	28.9	26.4	24.0	21.5	19.2	17.0	15.2	13.8	12.4	11.1
-80°	21.4	19.9	18.4	16.9	15.5	14.2	13.0	11.8	10.7	9.7	8.9
-82.5°	14.4	13.6	12.7	11.9	11.0	10.1	9.2	8.6	8.1	7.7	7.4
-85°	10.2	9.6	9.0	8.3	7.8	7.2	6.7	6.6	6.5	6.5	6.4
-87.5°	7.6	7.3	7.0	6.7	6.3	6.0	5.7	5.7	5.6	5.6	5.5
-90°	3.0	3.2	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7



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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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.9	5.0
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.9	5.1	5.2
82.5°	4.7	4.7	4.7	4.7	4.9	5.0	5.1	5.0	5.1	5.3	5.5
80°	5.5	5.4	5.2	5.1	5.2	5.3	5.5	5.5	5.5	5.5	5.7
77.5°	5.9	5.9	5.9	5.7	5.6	5.6	5.7	5.9	5.8	5.7	5.8
75°	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.9	5.9	5.9	5.9
72.5°	6.4	6.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
70°	7.0	6.4	6.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
67.5°	7.7	7.0	6.4	6.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9
65°	9.1	7.9	7.0	6.4	6.0	5.9	5.9	5.9	5.9	5.9	5.9
62.5°	11.0	8.7	7.6	6.9	6.3	6.0	5.9	5.9	5.9	5.9	5.9
60°	13.4	10.1	8.3	7.4	6.6	6.0	5.9	5.9	5.9	5.9	5.9
57.5°	15.4	11.1	9.5	8.1	7.1	6.3	5.9	5.9	5.9	5.9	5.9
55°	16.1	12.1	10.6	9.2	7.8	6.7	6.1	5.9	5.9	5.9	5.9
52.5°	14.3	12.5	11.5	10.2	8.8	7.3	6.5	5.9	5.9	5.9	5.9
50°	11.2	11.7	11.8	10.8	9.6	8.2	7.0	6.3	5.9	5.9	6.0
47.5°	9.9	11.0	11.3	11.1	10.0	9.0	7.6	6.7	5.9	5.9	6.1
45°	10.2	10.6	11.0	10.8	10.4	9.4	8.2	7.0	6.2	6.0	6.2
42.5°	11.3	11.3	11.1	10.6	10.5	9.7	8.7	7.5	6.6	6.2	6.3
40°	13.6	12.9	11.9	11.7	10.7	10.1	9.0	7.8	6.9	6.4	6.5
37.5°	16.7	15.4	13.7	14.1	11.7	10.4	9.2	8.1	7.4	6.8	6.6
35°	23.0	18.8	17.8	17.7	14.8	10.9	9.5	8.3	7.9	7.2	6.8
32.5°	31.1	25.3	23.7	22.0	19.0	11.5	9.9	9.1	8.4	7.7	7.1
30°	39.9	36.8	30.5	26.8	23.7	15.3	10.9	10.0	9.0	8.0	7.3
27.5°	53.8	49.7	38.9	33.1	28.3	20.3	13.1	11.0	9.6	8.5	7.7
25°	72.5	64.1	51.1	40.2	33.1	32.1	15.9	12.2	10.4	9.0	8.0
22.5°	98.7	80.8	64.1	47.9	52.6	47.3	22.3	14.3	11.3	9.5	8.3
20°	129.1	99.8	84.4	80.3	76.9	63.9	33.4	16.7	12.3	10.0	8.6
17.5°	165.6	146.6	140.4	121.2	104.1	83.1	46.4	19.4	13.3	10.5	8.9
15°	269.5	229.6	202.4	167.0	133.5	104.3	60.6	22.2	14.3	11.0	9.1
12.5°	392.4	317.7	268.9	216.5	164.5	127.0	75.6	25.1	15.4	11.4	9.2
10°	519.9	409.3	338.7	268.6	196.6	150.7	91.0	28.3	16.7	11.8	9.3
7.5°	649.4	502.8	410.3	322.0	228.5	173.8	107.9	32.0	18.2	12.1	9.3
5°	766.9	584.0	468.9	364.8	256.8	195.5	124.4	35.7	19.7	12.5	9.4
2.5°	831.5	643.3	517.0	403.7	284.1	215.8	139.7	39.2	21.1	12.8	9.4
0°	888.3	698.6	561.9	439.4	309.8	234.4	153.1	42.4	22.4	13.0	9.4
-2.5°	888.6	689.8	560.1	450.2	322.6	241.5	158.9	51.8	28.2	16.2	10.5
-5°	879.9	676.7	555.6	457.3	332.8	246.6	162.5	60.5	33.6	19.2	11.6
-7.5°	840.6	650.9	544.2	458.8	340.0	249.5	164.0	68.5	38.6	21.9	12.5
-10°	788.0	616.4	523.5	444.5	337.1	248.7	163.6	75.4	43.1	24.3	13.3
-12.5°	727.5	580.2	503.4	428.8	330.5	244.7	160.6	80.7	46.8	26.3	14.0
-15°	659.5	543.0	484.7	412.4	321.7	239.1	156.4	84.6	50.0	27.9	14.4
-17.5°	586.7	505.5	468.3	396.0	310.8	232.0	151.2	87.3	52.3	29.3	15.0
-20°	548.1	480.8	453.2	380.1	298.0	223.6	145.2	88.6	53.6	30.2	15.9



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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°	514.1	467.9	431.3	363.5	284.5	214.0	138.7	88.3	54.0	30.5	16.4
-25°	479.4	455.7	409.5	341.7	271.5	203.7	134.6	86.5	53.2	30.1	16.7
-27.5°	460.1	440.5	388.0	318.2	253.8	193.6	132.0	85.5	51.9	29.0	16.7
-30°	447.8	416.3	361.6	294.2	234.6	178.1	127.4	83.0	50.6	28.4	16.3
-32.5°	438.5	393.3	332.6	271.7	215.4	161.5	117.9	79.0	48.3	27.9	16.2
-35°	418.1	364.9	302.5	247.8	195.7	147.8	106.7	73.4	45.1	27.0	15.9
-37.5°	394.8	332.7	275.2	223.8	175.1	133.2	96.3	65.7	41.0	25.7	15.2
-40°	357.9	300.3	247.6	200.5	156.9	117.7	84.9	58.5	38.2	23.9	14.2
-42.5°	319.3	268.5	220.8	176.4	139.0	104.0	73.0	50.8	34.8	22.1	12.7
-45°	283.0	236.2	193.3	155.5	120.6	89.3	63.9	43.1	30.8	20.0	11.5
-47.5°	245.9	204.9	167.1	133.3	103.2	74.9	54.2	38.2	26.5	17.4	10.8
-50°	210.4	174.2	141.6	112.2	84.5	63.7	45.1	32.9	22.7	14.1	10.0
-52.5°	176.5	145.0	117.0	91.0	70.0	51.9	38.5	27.3	18.7	12.2	9.1
-55°	144.1	117.6	93.3	73.3	56.1	42.9	31.5	22.4	14.4	10.9	8.1
-57.5°	114.6	91.3	73.6	57.3	44.9	34.5	25.2	17.3	12.3	9.6	7.9
-60°	86.4	70.8	55.5	45.0	35.5	26.8	19.2	13.2	10.7	8.4	7.6
-62.5°	64.9	52.1	43.3	34.8	27.0	19.9	13.7	11.5	9.2	8.1	7.4
-65°	48.7	40.6	32.3	25.8	19.3	14.1	11.8	9.7	8.5	7.8	7.2
-67.5°	36.6	29.9	23.1	17.2	13.9	11.6	9.7	8.9	8.2	7.5	7.2
-70°	25.8	19.8	15.6	12.9	10.8	9.3	9.0	8.4	7.8	7.4	7.2
-72.5°	17.5	14.4	11.4	9.4	9.1	8.8	8.4	8.0	7.6	7.3	7.1
-75°	12.0	10.5	9.4	8.7	8.4	8.2	7.9	7.6	7.3	7.1	6.8
-77.5°	10.0	9.2	8.5	8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5
-80°	8.5	8.0	7.7	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.1
-82.5°	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9	5.8
-85°	6.3	6.2	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4
-87.5°	5.5	5.5	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.1
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



REPORT NUMBER: P701429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	5.0	5.0	4.9	4.9	4.8	4.7	4.7
85°	5.3	5.2	5.1	5.0	4.9	4.8	4.7
82.5°	5.6	5.5	5.3	5.2	5.0	4.8	4.7
80°	5.9	5.7	5.5	5.3	5.1	4.8	4.7
77.5°	5.9	5.9	5.7	5.5	5.2	4.8	4.7
75°	5.9	5.9	5.9	5.6	5.3	4.8	4.7
72.5°	5.9	5.9	5.9	5.8	5.4	4.9	4.7
70°	5.9	5.9	5.9	5.9	5.5	4.9	4.7
67.5°	5.9	5.9	5.9	5.9	5.5	4.9	4.7
65°	5.9	5.9	5.9	5.9	5.6	4.9	4.7
62.5°	5.9	5.9	5.9	5.9	5.7	4.9	4.7
60°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
57.5°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
55°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
52.5°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
50°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
47.5°	5.9	5.9	5.9	5.9	5.7	5.0	4.7
45°	6.0	5.9	5.9	5.9	5.7	5.0	4.7
42.5°	6.1	5.9	5.9	5.9	5.7	5.0	4.7
40°	6.3	5.9	5.9	5.9	5.7	5.0	4.7
37.5°	6.4	5.9	5.9	5.9	5.7	5.0	4.7
35°	6.6	6.0	5.9	5.9	5.7	5.0	4.7
32.5°	6.7	6.1	5.9	5.9	5.7	5.0	4.7
30°	6.9	6.2	5.9	5.9	5.7	5.0	4.7
27.5°	7.1	6.4	5.9	5.9	5.8	4.9	4.7
25°	7.3	6.5	5.9	5.9	5.8	4.9	4.7
22.5°	7.5	6.6	5.9	5.9	5.8	4.9	4.7
20°	7.7	6.7	5.9	5.9	5.8	4.9	4.7
17.5°	7.9	6.8	5.9	5.9	5.8	4.9	4.7
15°	8.0	6.9	5.9	5.9	5.8	4.9	4.7
12.5°	8.0	7.0	5.9	5.9	5.9	4.8	4.7
10°	8.1	7.0	5.9	5.9	5.9	4.8	4.7
7.5°	8.1	7.0	5.9	5.9	5.9	4.8	4.7
5°	8.2	7.1	5.9	5.9	5.9	4.8	4.7
2.5°	8.2	7.1	5.9	5.9	5.9	4.7	4.7
0°	8.2	7.1	5.9	5.9	5.9	4.7	4.7
-2.5°	8.4	7.2	6.0	5.9	5.9	4.7	4.7
-5°	8.5	7.3	6.1	5.9	5.9	4.8	4.7
-7.5°	8.6	7.4	6.2	5.9	5.9	4.8	4.7
-10°	8.7	7.5	6.3	5.9	5.9	4.8	4.7
-12.5°	8.8	7.6	6.4	5.9	5.9	4.8	4.7
-15°	8.9	7.6	6.4	5.9	5.8	4.9	4.7
-17.5°	9.0	7.7	6.5	5.9	5.8	4.9	4.7
-20°	9.2	7.7	6.5	5.9	5.8	4.9	4.7



REPORT NUMBER: P701429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.8	7.7	6.5	5.9	5.8	4.9	4.7
-25°	10.1	7.8	6.5	5.9	5.8	4.9	4.7
-27.5°	10.3	7.8	6.5	5.9	5.8	4.9	4.7
-30°	10.2	7.8	6.5	5.9	5.7	5.0	4.7
-32.5°	9.9	7.7	6.4	5.9	5.7	5.0	4.7
-35°	9.7	7.5	6.3	5.9	5.7	5.0	4.7
-37.5°	9.5	7.3	6.2	5.9	5.7	5.0	4.7
-40°	9.3	7.2	6.1	5.9	5.7	5.0	4.7
-42.5°	8.9	7.1	6.1	5.9	5.7	5.0	4.7
-45°	8.4	7.0	6.2	5.9	5.7	5.0	4.7
-47.5°	7.9	6.8	6.2	6.0	5.7	5.0	4.7
-50°	7.6	6.7	6.2	6.0	5.7	5.0	4.7
-52.5°	7.4	6.5	6.3	6.0	5.7	5.0	4.7
-55°	7.3	6.5	6.3	6.0	5.7	5.0	4.7
-57.5°	7.0	6.6	6.3	6.0	5.7	5.0	4.7
-60°	6.9	6.6	6.3	6.0	5.7	5.0	4.7
-62.5°	6.9	6.6	6.3	6.0	5.7	4.9	4.7
-65°	6.9	6.7	6.2	6.0	5.6	4.9	4.7
-67.5°	7.0	6.6	6.2	5.9	5.5	4.9	4.7
-70°	7.0	6.5	6.1	5.9	5.5	4.9	4.7
-72.5°	6.8	6.3	6.0	5.8	5.4	4.9	4.7
-75°	6.5	6.1	5.9	5.6	5.3	4.8	4.7
-77.5°	6.2	6.0	5.7	5.5	5.2	4.8	4.7
-80°	5.9	5.7	5.5	5.3	5.1	4.8	4.7
-82.5°	5.6	5.5	5.3	5.2	5.0	4.8	4.7
-85°	5.3	5.2	5.1	5.0	4.9	4.8	4.7
-87.5°	5.0	5.0	4.9	4.9	4.8	4.7	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(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

