

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: P701581 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-1S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701581 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-80-1S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

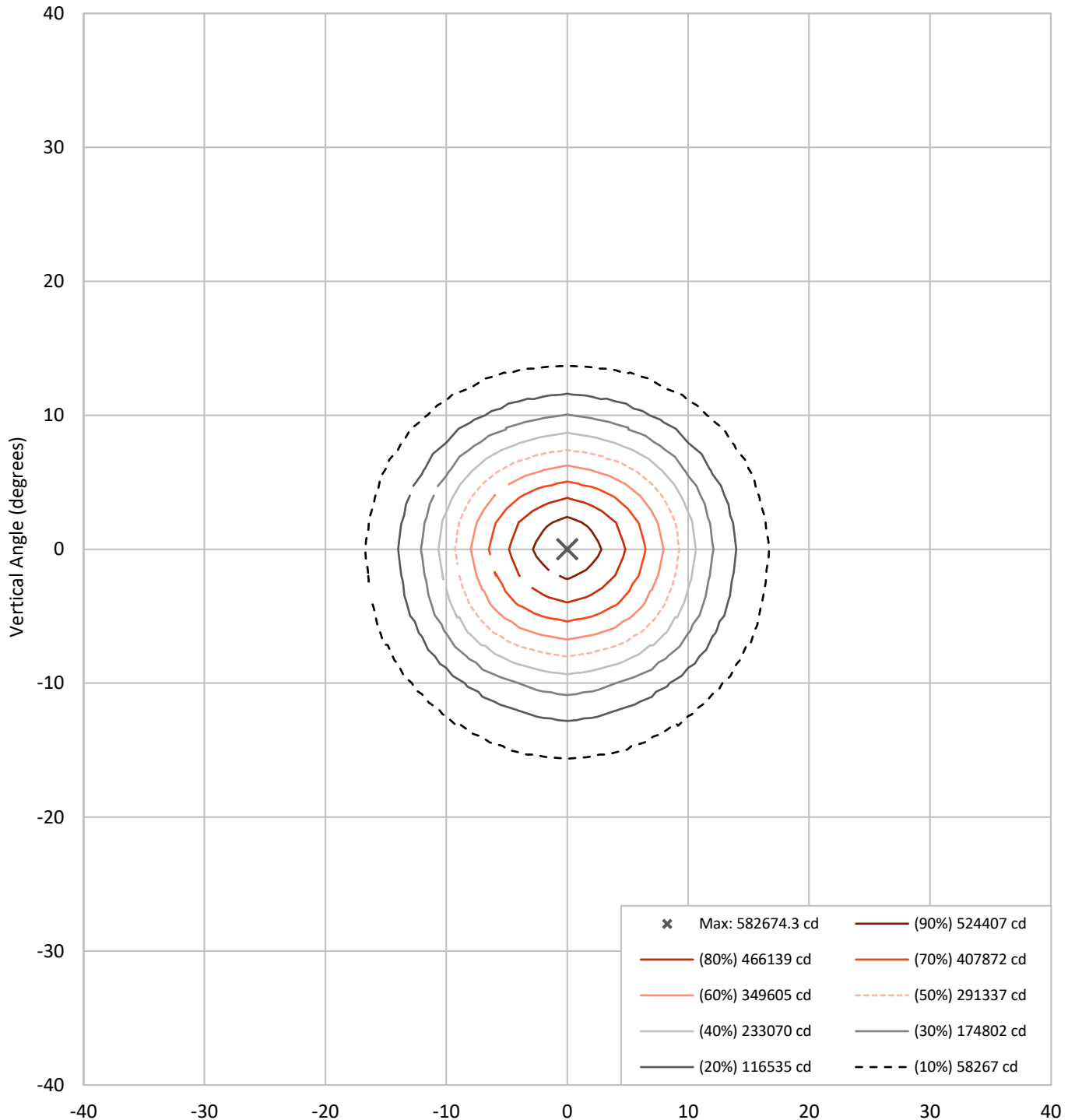
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	59904.5 lumens	Max Intensity:	582674.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	27627.2 lumens	Field Lumens:	50969.3 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

Input Watts (W): 653.1
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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CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV5-S

Iso-Candela Plot





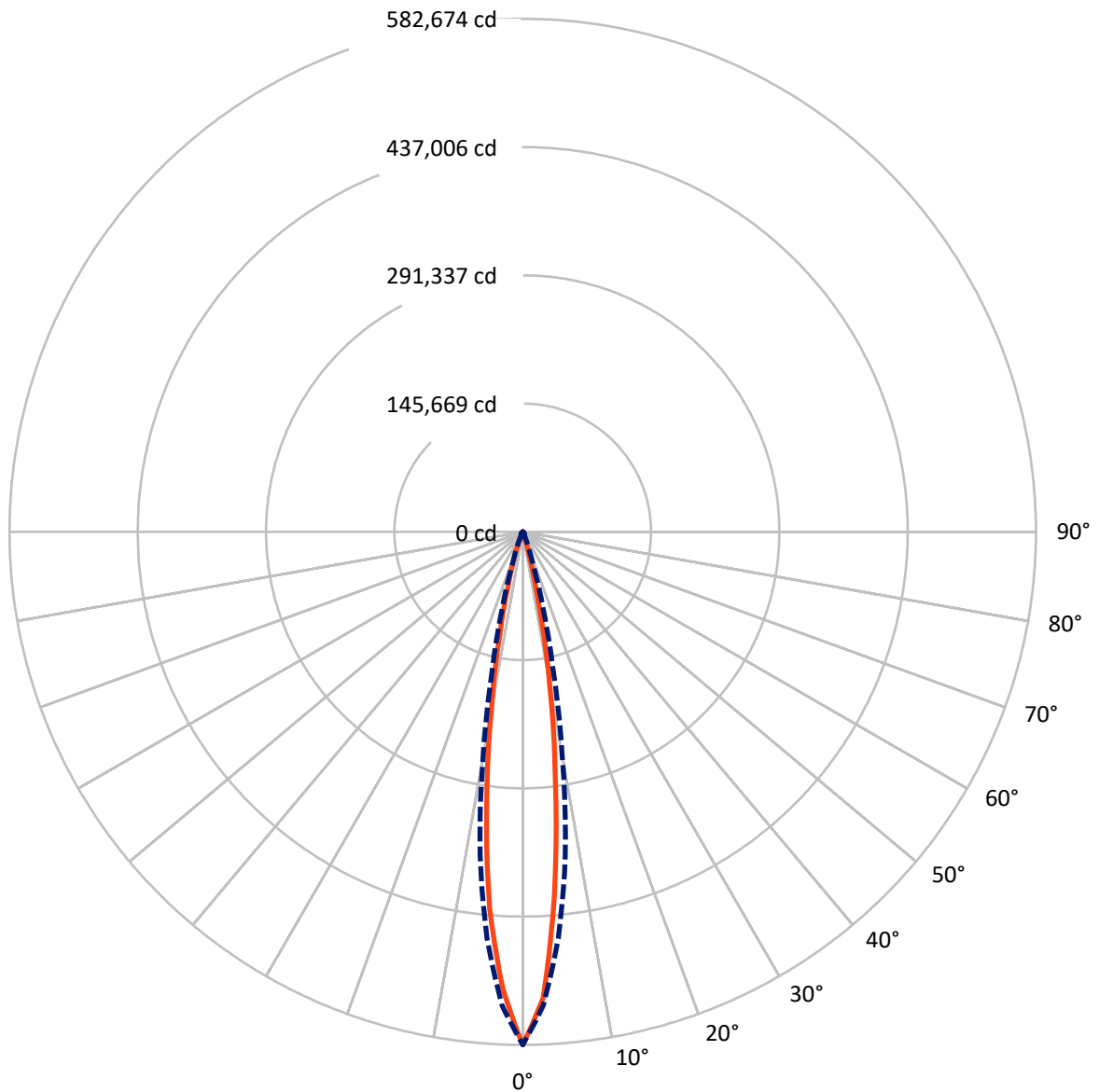
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Lumen Table

90	0.2	0.4	0.6	0.7	0.9	0.7	0.6	0.4	0.2										
80	0.2	0.4	0.6	0.7	0.9	0.7	0.6	0.4	0.2										
70	0.2	0.1	0.2	0.6	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.6	0.2	0.1	0.2			
60		0.2	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.2				
50	0.3	0.2	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.2	0.3			
40		0.3	0.7	0.9	1.6	2.2	2.3	2.7	2.7	2.3	2.2	1.6	0.9	0.7	0.3				
30	0.4	0.5	1.5	3.5	6.7	7.6	10.8	21.7	21.7	10.8	7.6	6.7	3.5	1.5	0.5	0.4			
20		1.2	4.8	16.4	30.5	40.5	300.3	1250.9	1250.9	300.3	40.5	30.5	16.4	4.8	1.2				
10	0.4	1.9	9.6	41.1	66.6	151.5	2203.5	9548.3	9548.3	2203.5	151.5	66.6	41.1	9.6	1.9	0.4			
0		2.4	11.2	47.4	78.1	155.2	2364.9	9980.1	9980.1	2364.9	155.2	78.1	47.4	11.2	2.4				
-10	0.5	2.6	9.8	35.8	64.5	71.0	504.3	1959.0	1959.0	504.3	71.0	64.5	35.8	9.8	2.6	0.5			
-20		2.5	8.5	20.1	51.9	60.0	66.2	128.9	128.9	66.2	60.0	51.9	20.1	8.5	2.5				
-30	0.5	2.2	7.2	12.8	31.8	60.0	70.1	70.8	70.8	70.1	60.0	31.8	12.8	7.2	2.2	0.5			
-40		1.5	5.4	11.0	17.2	30.3	51.1	67.1	67.1	51.1	30.3	17.2	11.0	5.4	1.5				
-50	0.3	0.7	3.0	7.2	12.9	17.8	21.0	23.3	23.3	21.0	17.8	12.9	7.2	3.0	0.7	0.3			
-60		0.3	1.0	2.9	5.7	8.9	11.7	13.9	13.9	11.7	8.9	5.7	2.9	1.0	0.3				
-70																			
-80	0.2	1.0	2.6	6.3	10.5	6.3	2.6	1.0	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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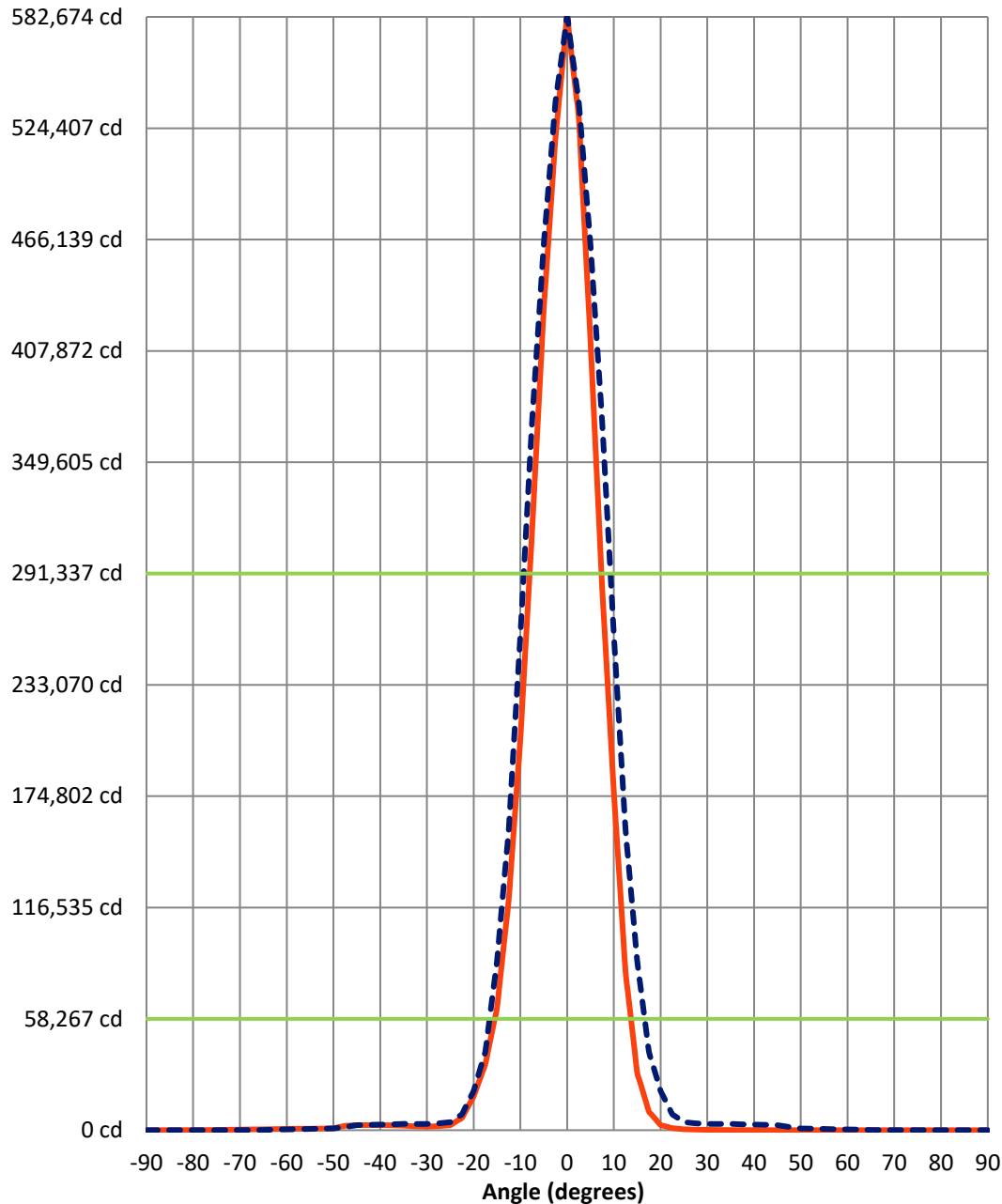
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 18.6°
V Angle: 15.4°
Lumens: 27627.2
Efficiency: 46.1%

Field:
H Angle: 33.2°
V Angle: 29.1°
Lumens: 50969.3
Efficiency: 85.1%

Spill:
Lumens: 8935.2
Efficiency: 14.9%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.4	7.4	7.4	7.8	8.2	8.5	8.9	8.9	8.9	8.9	8.9
87.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	7.4	7.4	7.4	7.4	7.4	7.5	7.4	7.4	7.4	7.4	7.4
75°	7.4	7.4	7.4	7.4	7.4	7.6	7.5	7.4	7.4	7.5	7.5
72.5°	7.4	7.4	7.4	7.4	7.7	7.9	7.6	7.5	7.7	7.7	7.5
70°	7.4	7.4	7.4	7.5	8.0	8.1	7.7	7.9	8.0	8.0	8.1
67.5°	7.4	7.4	7.4	7.8	8.3	8.3	8.1	8.2	8.4	8.6	8.7
65°	7.4	7.4	7.4	8.1	8.6	8.6	8.6	8.6	8.9	9.1	9.2
62.5°	7.4	7.4	7.4	8.4	8.9	9.0	9.0	9.1	9.4	9.7	9.5
60°	7.4	7.4	7.4	8.7	9.3	9.4	9.4	9.5	9.9	10.0	9.7
57.5°	7.4	7.4	7.6	9.0	9.6	9.7	9.9	10.0	10.4	10.4	10.3
55°	7.4	7.4	7.8	9.3	9.9	10.1	10.5	10.6	10.8	10.9	11.0
52.5°	7.4	7.4	8.0	9.6	10.2	10.5	11.0	11.2	11.3	11.5	11.7
50°	7.4	7.4	8.2	10.0	10.4	11.0	11.6	11.9	11.8	12.1	13.5
47.5°	7.4	7.4	8.3	10.3	10.7	11.5	12.2	12.7	12.4	12.7	15.4
45°	7.4	7.4	8.5	10.5	11.0	12.0	12.9	13.5	13.3	14.2	17.1
42.5°	7.4	7.4	8.6	10.7	11.3	12.5	13.7	14.4	14.3	15.7	18.9
40°	7.4	7.4	8.7	10.8	11.6	13.0	14.5	15.3	15.5	17.1	20.4
37.5°	7.4	7.4	8.8	10.8	12.0	13.5	15.3	16.3	17.2	19.0	21.7
35°	7.4	7.4	8.9	10.9	12.4	14.1	16.2	17.4	18.9	21.2	22.5
32.5°	7.4	7.4	9.0	10.9	12.8	14.8	17.1	18.5	20.6	23.5	25.0
30°	7.4	7.4	9.0	10.9	13.2	15.5	18.0	19.8	22.2	25.9	27.8
27.5°	7.4	7.4	9.1	10.9	13.3	16.2	18.9	21.1	24.0	28.6	31.0
25°	7.4	7.4	9.1	10.9	13.4	17.0	19.9	22.5	26.1	31.3	34.4
22.5°	7.4	7.4	9.2	10.9	13.3	17.4	20.9	23.8	28.3	34.1	39.7
20°	7.4	7.4	9.2	10.9	13.3	17.4	21.9	25.0	30.5	37.0	45.4
17.5°	7.4	7.4	9.2	10.9	13.2	17.3	22.0	26.3	32.8	40.1	51.4
15°	7.4	7.4	9.2	10.8	13.1	17.1	21.6	26.8	35.0	43.2	57.6
12.5°	7.4	7.4	9.1	10.8	13.0	16.8	21.1	26.4	36.0	46.3	63.9
10°	7.4	7.4	9.1	10.7	12.8	16.5	20.6	26.0	36.0	47.7	69.9
7.5°	7.4	7.4	9.1	10.7	12.6	16.1	20.0	25.5	35.8	49.0	75.4
5°	7.4	7.4	9.0	10.6	12.4	15.7	19.3	25.0	35.4	50.1	80.8
2.5°	7.4	7.4	9.0	10.5	12.1	15.3	18.6	24.4	34.8	51.1	85.9
0°	7.4	7.4	8.9	10.4	11.9	14.8	17.8	23.7	34.1	51.9	90.4
-2.5°	7.4	7.4	8.9	10.4	12.0	15.0	18.6	26.2	40.2	62.1	104.5
-5°	7.4	7.5	8.9	10.4	12.1	15.1	19.3	28.6	46.0	71.9	117.6
-7.5°	7.4	7.5	8.9	10.4	12.2	15.2	19.9	30.7	51.2	80.8	129.5
-10°	7.4	7.5	8.9	10.3	12.3	15.2	20.4	32.6	55.8	88.9	140.1
-12.5°	7.4	7.6	8.8	10.3	12.3	15.3	20.9	34.0	59.6	96.0	150.0
-15°	7.4	7.6	8.8	10.2	12.3	15.3	21.1	35.1	63.4	103.3	158.7
-17.5°	7.4	7.6	8.8	10.2	12.3	15.2	21.2	36.8	67.6	109.4	165.5
-20°	7.4	7.6	8.8	10.1	12.3	15.2	21.5	38.6	70.5	114.2	170.2



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.4	7.7	8.8	10.1	12.2	15.1	22.1	39.7	72.3	117.6	172.8
-25°	7.4	7.7	8.7	10.0	12.1	15.2	22.4	39.8	72.7	119.4	173.0
-27.5°	7.4	7.7	8.7	9.9	11.9	15.4	22.2	39.0	71.6	119.8	174.4
-30°	7.4	7.7	8.7	9.8	11.8	15.4	21.7	37.1	70.3	118.4	174.0
-32.5°	7.4	7.7	8.7	9.7	11.7	15.4	20.7	36.0	68.1	115.0	171.5
-35°	7.4	7.8	8.7	9.6	11.7	15.3	20.3	34.9	64.4	109.7	166.9
-37.5°	7.4	7.8	8.7	9.5	11.6	15.2	20.1	33.0	59.2	102.2	154.3
-40°	7.4	7.8	8.6	9.3	11.4	15.0	19.8	30.5	52.4	94.4	139.8
-42.5°	7.4	7.8	8.6	9.3	11.4	14.8	19.4	27.2	47.3	82.8	123.8
-45°	7.4	7.8	8.6	9.2	11.3	14.5	18.8	24.7	42.8	69.8	106.8
-47.5°	7.4	7.8	8.6	9.2	11.3	14.2	18.1	23.9	37.4	56.1	91.2
-50°	7.4	7.8	8.6	9.2	11.2	13.9	17.6	22.8	30.5	48.3	74.5
-52.5°	7.4	7.8	8.7	9.3	11.0	13.4	17.0	21.6	27.1	40.0	57.7
-55°	7.4	7.8	8.7	9.3	10.9	13.2	16.4	20.3	25.2	31.3	47.8
-57.5°	7.4	7.7	8.7	9.3	10.7	12.9	15.8	19.5	23.1	27.6	37.5
-60°	7.4	7.7	8.7	9.3	10.5	12.6	15.1	18.4	21.2	25.2	29.3
-62.5°	7.4	7.7	8.6	9.3	10.4	12.3	14.6	17.4	20.0	22.8	26.7
-65°	7.4	7.7	8.5	9.3	10.3	11.9	14.1	16.3	18.7	21.2	23.9
-67.5°	7.4	7.7	8.5	9.3	10.2	11.6	13.6	15.6	17.4	19.7	22.0
-70°	7.4	7.6	8.4	9.2	10.0	11.3	13.0	14.8	16.5	18.2	20.3
-72.5°	7.4	7.6	8.3	9.1	9.8	10.9	12.4	14.0	15.6	17.2	18.8
-75°	7.4	7.6	8.1	8.9	9.6	10.5	11.8	13.2	14.7	16.2	17.6
-77.5°	7.4	7.6	8.0	8.7	9.4	10.1	11.1	12.3	13.6	15.0	16.4
-80°	7.4	7.5	7.9	8.5	9.2	9.8	10.5	11.4	12.4	13.6	14.8
-82.5°	7.4	7.5	7.8	8.4	8.9	9.5	10.0	10.6	11.2	12.1	13.0
-85°	7.4	7.5	7.7	8.2	8.7	9.2	9.7	10.0	10.4	10.9	11.4
-87.5°	7.4	7.4	7.5	8.0	8.4	8.8	9.3	9.5	9.7	9.9	10.2
-90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.9	8.9	8.9	8.9	9.3	9.7	10.0	10.4	10.4	10.4	10.4
87.5°	7.0	6.7	6.3	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4
85°	7.0	6.7	6.3	5.9	5.6	5.4	5.2	5.0	4.9	4.8	4.6
82.5°	7.1	6.7	6.3	5.9	5.8	5.8	5.9	5.9	5.6	5.2	4.8
80°	7.1	6.7	6.5	6.4	6.4	6.4	6.2	6.0	5.6	5.3	5.1
77.5°	7.2	7.1	7.1	7.2	7.1	6.9	6.7	6.7	6.6	6.5	6.3
75°	7.3	7.4	7.5	7.5	7.3	7.3	7.4	7.4	7.3	7.1	7.1
72.5°	7.6	7.8	7.8	7.6	7.4	7.4	7.4	7.4	8.3	9.6	10.8
70°	8.3	8.3	8.0	7.6	7.4	7.8	9.5	11.5	13.5	15.6	18.2
67.5°	8.8	8.4	8.1	8.0	9.2	11.1	13.4	18.8	25.4	28.2	29.3
65°	8.9	8.5	8.9	10.1	11.7	15.6	21.5	29.2	37.5	38.9	38.0
62.5°	9.0	9.3	10.3	12.4	15.6	20.9	28.4	37.0	46.4	46.6	40.7
60°	9.6	10.2	12.5	15.9	19.7	25.5	34.2	40.8	47.7	50.5	38.5
57.5°	10.4	12.0	15.4	19.6	24.3	28.6	33.3	39.6	42.4	42.3	31.2
55°	11.8	14.4	18.7	23.8	27.3	26.4	29.6	31.8	32.3	30.1	21.8
52.5°	14.1	17.1	22.5	27.0	27.7	24.9	23.2	24.3	22.8	19.5	17.0
50°	16.3	20.7	26.0	28.8	27.3	22.4	18.5	18.6	17.6	16.1	14.4
47.5°	18.8	23.8	29.0	30.2	25.1	21.4	17.9	16.6	15.8	15.2	13.9
45°	21.2	26.1	31.6	28.2	24.3	22.1	19.4	16.3	16.3	15.8	15.8
42.5°	23.3	27.9	30.1	26.5	25.9	24.3	22.0	19.1	17.9	18.6	19.0
40°	24.5	29.2	28.9	29.0	28.4	27.6	25.9	23.6	21.1	22.7	23.6
37.5°	25.4	29.0	29.8	33.1	32.0	31.8	30.6	30.9	29.2	28.3	31.8
35°	26.0	29.7	34.8	38.6	38.1	36.8	38.8	40.0	39.3	38.1	43.7
32.5°	26.8	31.2	41.1	45.2	46.7	45.9	48.3	50.6	53.0	55.9	64.9
30°	29.6	36.9	48.2	52.7	57.2	62.6	61.4	63.2	69.7	90.8	110.4
27.5°	35.3	44.4	55.2	62.6	70.8	83.2	85.9	82.6	102.8	136.4	171.4
25°	41.8	66.9	62.9	74.3	90.8	107.9	117.2	124.3	152.0	201.1	237.7
22.5°	54.5	96.5	95.9	87.2	113.4	136.5	158.7	207.8	277.7	300.0	307.2
20°	76.3	126.1	135.4	138.4	147.3	168.4	206.1	321.7	461.3	513.8	457.6
17.5°	101.9	158.5	179.0	201.5	229.0	235.3	267.4	458.7	689.7	768.8	769.1
15°	130.5	193.2	225.3	270.9	316.1	344.8	451.3	682.4	936.9	1062.1	1133.6
12.5°	161.2	229.6	273.7	345.0	407.5	457.7	690.3	1058.9	1295.7	1404.9	1613.4
10°	192.8	267.0	323.4	422.3	501.9	572.9	959.1	1460.7	1691.3	1798.2	2036.4
7.5°	224.3	301.9	371.8	501.1	597.7	689.0	1245.2	1875.7	2073.0	2168.3	2362.4
5°	254.7	332.9	410.2	560.9	673.5	784.1	1504.8	2289.2	2442.8	2519.7	2629.2
2.5°	282.6	362.3	447.0	614.7	734.3	844.1	1617.8	2470.7	2639.3	2754.7	2848.0
0°	306.8	389.8	481.7	664.0	791.5	899.7	1700.1	2620.5	2798.4	2936.2	3048.9
-2.5°	308.0	395.6	493.1	661.9	778.7	890.8	1621.5	2586.6	2853.0	3059.8	3228.7
-5°	305.1	399.0	501.4	655.6	762.9	877.4	1518.0	2505.4	2864.1	3084.3	3256.8
-7.5°	299.0	399.8	506.3	644.0	739.6	843.6	1427.5	2339.5	2734.6	2923.2	3106.4
-10°	291.1	397.6	499.1	617.3	705.9	797.1	1312.5	2146.6	2601.9	2763.9	2934.1
-12.5°	284.2	393.0	488.3	590.8	671.7	749.4	1161.9	1934.4	2470.4	2611.5	2747.3
-15°	276.0	386.8	476.2	566.2	637.9	701.2	974.1	1709.9	2341.8	2500.3	2605.3
-17.5°	267.4	379.4	463.2	544.6	605.0	653.5	751.6	1440.1	2127.8	2369.3	2492.2
-20°	258.7	370.9	449.5	527.1	574.1	619.8	685.5	1165.3	1794.0	2211.2	2368.2



REPORT NUMBER: P701581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	250.7	361.5	436.0	509.3	557.6	598.1	650.6	897.8	1441.5	2032.5	2221.8
-25°	247.7	346.9	422.9	492.0	545.4	577.6	614.9	673.0	1116.0	1677.6	2057.3
-27.5°	246.8	334.7	407.4	473.8	535.7	560.1	588.7	633.0	859.9	1313.7	1854.5
-30°	243.0	317.3	390.4	454.7	517.1	550.3	568.3	603.3	664.2	1012.8	1456.4
-32.5°	231.8	298.7	370.0	434.4	495.0	544.5	558.2	587.8	632.6	732.4	1092.4
-35°	217.7	281.2	348.0	412.4	472.3	527.4	558.2	575.6	605.6	653.1	814.9
-37.5°	204.5	262.5	325.2	388.4	446.9	502.6	556.3	571.8	591.9	625.8	687.4
-40°	189.0	242.4	302.8	362.9	419.5	474.6	527.4	572.3	584.4	618.7	661.8
-42.5°	171.5	223.0	279.7	335.9	388.8	442.8	496.1	546.3	593.4	616.9	650.2
-45°	152.1	201.2	255.3	305.6	355.0	407.8	459.8	512.0	572.8	627.4	649.8
-47.5°	131.1	177.3	227.8	273.0	319.1	368.1	420.1	475.1	536.3	596.8	659.3
-50°	109.6	152.3	196.2	239.0	281.3	326.2	374.0	432.0	490.4	550.8	611.4
-52.5°	89.8	125.6	164.9	204.3	243.1	282.5	328.4	380.8	437.1	495.1	548.9
-55°	68.9	100.8	132.8	169.1	205.5	240.6	281.1	328.4	377.2	430.6	479.4
-57.5°	53.6	75.8	103.4	133.1	166.7	200.6	237.6	275.4	318.8	363.6	403.9
-60°	41.4	55.8	75.8	100.8	126.6	158.8	193.4	227.9	262.9	295.9	330.3
-62.5°	30.5	41.9	54.5	70.6	92.9	116.8	146.4	178.0	209.9	237.9	263.0
-65°	27.4	30.6	39.5	50.6	61.2	82.2	104.5	126.9	154.3	178.8	201.6
-67.5°	24.3	27.2	30.0	34.4	44.3	55.4	66.7	86.3	105.8	122.8	139.8
-70°	22.3	24.0	26.3	28.8	31.5	36.6	46.2	56.2	66.2	78.1	92.9
-72.5°	20.4	21.9	23.4	24.9	27.2	29.9	32.8	35.7	41.6	49.5	57.6
-75°	18.7	19.8	21.2	22.5	23.9	25.6	27.4	29.8	32.1	34.1	36.0
-77.5°	17.3	18.1	19.0	20.1	21.2	22.4	23.7	25.2	26.6	28.1	29.8
-80°	15.6	16.3	16.9	17.6	18.3	19.2	20.1	21.1	21.8	22.6	23.5
-82.5°	13.6	14.1	14.6	15.1	15.5	16.0	16.4	17.0	17.3	17.5	17.8
-85°	11.7	11.9	12.2	12.5	12.9	13.2	13.4	13.7	13.6	13.5	13.4
-87.5°	10.3	10.4	10.5	10.6	10.9	11.1	11.3	11.5	11.2	11.0	10.7
-90°	7.0	6.7	6.3	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.4	10.4	10.4	10.4	10.4	14.5	18.5	22.6	26.7	36.7	46.7
87.5°	4.4	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
85°	4.4	4.1	3.7	3.4	3.0	2.9	2.9	2.9	2.9	2.6	2.2
82.5°	4.4	4.2	4.1	4.1	4.0	3.8	3.6	3.3	3.0	2.6	2.3
80°	4.9	4.8	4.8	4.6	4.4	4.1	3.7	3.4	3.0	3.0	3.0
77.5°	6.1	5.9	5.5	5.1	4.5	4.3	4.2	4.2	4.2	4.0	3.7
75°	7.3	7.2	7.0	6.6	6.0	5.9	5.9	5.8	5.6	5.4	5.1
72.5°	11.7	11.9	11.4	11.0	10.1	9.7	9.8	9.7	9.5	9.3	9.2
70°	19.6	19.9	19.2	17.7	15.5	14.0	13.4	12.7	11.8	12.0	12.7
67.5°	28.4	26.3	24.3	21.9	18.7	16.3	15.2	13.9	12.5	11.8	11.5
65°	34.4	27.2	23.2	20.5	18.7	17.0	15.0	13.3	11.7	10.6	10.0
62.5°	32.8	23.2	19.1	17.1	15.6	14.4	12.5	10.8	9.3	8.3	8.3
60°	28.2	19.4	14.9	13.4	11.9	10.5	9.5	8.6	7.9	7.5	7.9
57.5°	22.0	15.3	11.8	11.2	10.4	9.4	8.8	8.5	8.0	7.4	7.9
55°	16.1	13.5	12.0	11.5	11.1	10.6	10.1	9.4	8.8	8.4	8.6
52.5°	13.9	13.1	13.0	12.8	12.0	11.1	10.3	10.2	10.1	9.9	10.0
50°	13.5	13.4	13.5	13.1	12.4	12.0	11.8	11.7	11.6	11.4	11.5
47.5°	13.9	14.1	14.1	13.4	13.2	13.4	13.3	13.2	13.5	13.6	13.9
45°	15.2	15.7	15.8	16.1	15.7	16.1	16.2	16.0	18.5	18.7	17.6
42.5°	18.5	20.5	22.0	21.4	19.6	23.5	29.3	31.9	29.3	25.5	23.0
40°	26.4	28.9	29.9	31.9	39.7	45.6	40.2	34.6	32.3	34.2	35.9
37.5°	36.9	40.1	49.6	61.5	57.2	46.5	47.7	48.1	47.0	50.2	50.6
35°	53.9	69.2	80.6	76.9	71.5	70.5	73.1	73.9	66.7	70.0	71.1
32.5°	86.4	105.0	105.9	101.2	103.8	104.3	111.5	106.7	100.6	103.6	111.8
30°	124.8	143.2	149.9	141.3	125.7	134.5	141.9	139.6	144.0	156.7	170.1
27.5°	184.7	196.7	207.8	190.6	159.5	173.1	178.4	173.0	202.6	218.5	250.0
25°	256.3	269.8	278.5	264.1	242.6	231.6	248.3	261.0	297.0	332.2	381.5
22.5°	334.2	370.4	380.8	343.3	343.3	343.1	349.6	392.5	441.1	518.6	648.8
20°	425.0	497.1	554.6	516.6	467.7	500.7	541.5	594.1	732.5	1084.4	1484.5
17.5°	746.9	696.5	802.4	805.9	735.6	812.7	959.3	1148.1	1731.9	3527.2	4703.9
15°	1271.0	1217.7	1151.8	1155.3	1224.7	1375.7	1675.9	2721.2	5299.8	9131.3	13091.1
12.5°	1806.0	1726.1	1629.1	1603.4	1754.9	2059.1	3475.2	7776.6	13848.4	20460.5	37422.0
10°	2228.1	2185.6	2096.1	2163.0	2416.1	3309.5	6205.5	13665.9	26195.3	48101.1	75130.7
7.5°	2475.8	2459.6	2483.7	2680.0	3092.7	5444.7	11812.2	22901.9	43548.6	76744.2	125440.6
5°	2724.5	2738.0	2811.2	3081.1	3609.4	6925.7	16671.5	31825.1	63055.3	111850.9	187260.5
2.5°	3000.0	3012.5	3110.8	3450.7	4055.3	7157.2	17828.0	37507.8	79948.6	143892.4	243853.0
0°	3317.2	3246.0	3275.7	3585.4	4209.4	8347.7	20574.4	41131.0	88482.8	157201.9	259156.4
-2.5°	3429.8	3277.5	3249.7	3511.3	4058.4	7397.6	18378.9	38247.9	81269.5	144016.6	241655.1
-5°	3353.4	3145.4	3062.1	3276.2	3795.4	6486.7	15453.8	34802.9	72154.8	123199.2	204769.0
-7.5°	3163.4	2964.0	2841.4	3002.4	3455.8	5345.1	11837.4	26355.1	52520.5	91154.0	145463.2
-10°	3000.4	2809.2	2622.3	2673.9	2987.9	3978.6	7369.3	17263.0	34699.5	61531.5	92481.5
-12.5°	2859.3	2699.1	2419.2	2334.1	2510.1	2975.0	5143.3	11766.3	22195.4	34904.7	56600.0
-15°	2713.2	2582.0	2302.5	2167.9	2230.6	2457.2	3044.5	5651.5	12153.2	20687.0	30033.1
-17.5°	2551.3	2461.2	2293.1	2094.4	2009.3	2100.4	2381.0	3186.0	5400.9	10719.3	16546.9
-20°	2441.5	2391.5	2268.1	2093.6	1984.4	1942.3	2039.6	2286.1	2830.0	4868.5	7379.1



REPORT NUMBER: P701581 (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°	2304.1	2283.3	2200.1	2150.1	2070.2	1979.9	1894.6	1971.0	2151.6	2429.3	3296.9
-25°	2174.1	2179.1	2184.6	2250.4	2237.6	2111.4	1949.5	1833.6	1894.3	1981.4	2157.0
-27.5°	2030.3	2101.7	2212.6	2336.3	2393.7	2287.0	2096.2	1922.5	1870.6	1819.7	1894.0
-30°	1903.9	2049.3	2168.1	2319.2	2418.3	2386.5	2288.1	2170.9	2044.1	1955.8	1926.9
-32.5°	1577.8	1981.0	2090.8	2212.3	2360.3	2407.4	2396.2	2351.2	2296.9	2234.8	2170.4
-35°	1226.2	1673.8	2042.1	2112.0	2208.7	2348.3	2458.1	2465.8	2458.8	2435.9	2418.6
-37.5°	866.0	1292.0	1680.0	1991.5	2107.5	2200.5	2368.7	2497.3	2570.4	2564.7	2566.4
-40°	719.2	836.5	1226.7	1586.7	1853.6	2102.4	2236.6	2404.9	2538.6	2593.2	2634.7
-42.5°	693.8	739.2	785.9	1055.9	1399.4	1700.4	1931.9	2145.5	2334.4	2469.1	2576.0
-45°	675.9	706.7	742.0	786.8	835.2	1104.1	1403.2	1681.3	1863.0	2044.8	2234.6
-47.5°	675.1	682.7	707.7	739.3	770.0	813.6	863.6	931.5	1132.6	1315.2	1508.1
-50°	654.9	685.5	693.9	703.6	723.3	747.2	770.7	795.1	818.1	832.5	852.1
-52.5°	595.4	634.9	671.8	700.6	708.2	715.4	722.2	738.0	753.3	766.1	780.6
-55°	523.5	565.3	606.0	639.1	668.9	697.1	718.1	721.6	726.2	731.8	740.6
-57.5°	445.7	486.3	524.8	559.5	592.2	622.6	644.4	660.7	675.9	690.3	709.0
-60°	365.5	401.4	436.6	470.2	502.4	533.0	553.2	569.7	584.1	598.3	617.6
-62.5°	287.0	314.5	346.3	376.6	404.6	431.0	451.9	469.6	484.3	499.1	517.0
-65°	223.2	243.6	267.2	289.3	310.0	334.3	356.9	375.4	390.2	404.8	420.9
-67.5°	159.3	178.3	200.3	220.8	240.0	258.6	277.5	295.3	311.8	328.5	345.1
-70°	106.5	119.9	135.8	153.3	171.3	188.2	204.4	219.9	234.7	249.5	263.7
-72.5°	66.0	74.4	83.2	94.9	107.0	118.8	130.3	141.8	153.1	166.5	179.7
-75°	37.6	41.0	47.7	54.2	60.3	66.0	71.0	75.2	78.7	86.5	95.1
-77.5°	31.5	33.3	35.0	36.8	38.6	41.0	43.7	46.5	49.3	55.7	62.6
-80°	24.6	25.7	26.9	28.2	29.5	31.4	33.3	35.1	36.8	41.4	46.3
-82.5°	18.2	18.7	19.2	19.7	20.1	21.5	23.0	24.5	25.9	29.7	33.6
-85°	13.2	13.4	13.6	13.8	14.0	15.2	16.5	17.7	19.0	22.7	26.5
-87.5°	10.4	10.4	10.4	10.4	10.4	11.7	13.0	14.1	15.2	19.3	23.3
-90°	4.4	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	56.7	66.7	56.3	45.9	56.3	66.7	56.7	46.7	36.7	26.7	22.6
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.6	2.9	2.9
82.5°	1.9	1.5	2.2	3.0	2.2	1.5	1.9	2.3	2.6	3.0	3.3
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4
77.5°	3.4	3.0	3.0	3.0	3.0	3.0	3.4	3.7	4.0	4.2	4.2
75°	4.7	4.4	4.4	4.4	4.4	4.4	4.7	5.1	5.4	5.6	5.8
72.5°	9.1	8.8	8.9	8.9	8.9	8.8	9.1	9.2	9.3	9.5	9.7
70°	13.6	14.5	14.8	14.8	14.8	14.5	13.6	12.7	12.0	11.8	12.7
67.5°	11.1	10.6	10.4	10.4	10.4	10.6	11.1	11.5	11.8	12.5	13.9
65°	9.5	9.0	8.9	8.9	8.9	9.0	9.5	10.0	10.6	11.7	13.3
62.5°	8.5	8.8	8.9	8.9	8.9	8.8	8.5	8.3	8.3	9.3	10.8
60°	8.4	8.8	8.9	8.9	8.9	8.8	8.4	7.9	7.5	7.9	8.6
57.5°	8.3	8.8	8.9	8.9	8.9	8.8	8.3	7.9	7.4	8.0	8.5
55°	8.8	8.9	9.5	10.4	9.5	8.9	8.8	8.6	8.4	8.8	9.4
52.5°	10.2	10.3	10.4	10.4	10.4	10.3	10.2	10.0	9.9	10.1	10.2
50°	11.7	11.8	11.9	11.9	11.9	11.8	11.7	11.5	11.4	11.6	11.7
47.5°	14.3	14.6	14.7	14.8	14.7	14.6	14.3	13.9	13.6	13.5	13.2
45°	17.9	17.8	17.7	17.8	17.7	17.8	17.9	17.6	18.7	18.5	16.0
42.5°	23.8	24.5	25.0	25.2	25.0	24.5	23.8	23.0	25.5	29.3	31.9
40°	37.7	38.2	37.9	37.1	37.9	38.2	37.7	35.9	34.2	32.3	34.6
37.5°	51.2	52.3	53.0	53.4	53.0	52.3	51.2	50.6	50.2	47.0	48.1
35°	71.8	72.7	72.2	74.1	72.2	72.7	71.8	71.1	70.0	66.7	73.9
32.5°	117.2	117.8	114.1	115.6	114.1	117.8	117.2	111.8	103.6	100.6	106.7
30°	179.5	187.7	192.7	198.6	192.7	187.7	179.5	170.1	156.7	144.0	139.6
27.5°	273.1	293.3	306.5	314.2	306.5	293.3	273.1	250.0	218.5	202.6	173.0
25°	426.5	457.2	473.6	486.2	473.6	457.2	426.5	381.5	332.2	297.0	261.0
22.5°	828.4	945.6	1011.1	1073.1	1011.1	945.6	828.4	648.8	518.6	441.1	392.5
20°	2124.2	2261.1	2518.9	2678.3	2518.9	2261.1	2124.2	1484.5	1084.4	732.5	594.1
17.5°	7155.8	9123.0	9490.3	9767.7	9490.3	9123.0	7155.8	4703.9	3527.2	1731.9	1148.1
15°	21310.1	27148.6	28720.0	30057.5	28720.0	27148.6	21310.1	13091.1	9131.3	5299.8	2721.2
12.5°	51451.8	67521.0	76261.3	82901.6	76261.3	67521.0	51451.8	37422.0	20460.5	13848.4	7776.6
10°	107799.0	139258.9	163137.1	176965.6	163137.1	139258.9	107799.0	75130.7	48101.1	26195.3	13665.9
7.5°	183577.3	236899.3	268069.1	283935.1	268069.1	236899.3	183577.3	125440.6	76744.2	43548.6	22901.9
5°	276886.1	345719.4	389220.5	413140.5	389220.5	345719.4	276886.1	187260.5	111850.9	63055.3	31825.1
2.5°	345857.1	434163.6	499370.3	530042.2	499370.3	434163.6	345857.1	243853.0	143892.4	79948.6	37507.8
0°	370830.4	463477.4	538018.6	582674.3	538018.6	463477.4	370830.4	259156.4	157201.9	88482.8	41131.0
-2.5°	346990.3	433965.8	492023.2	519039.8	492023.2	433965.8	346990.3	241655.1	144016.6	81269.5	38247.9
-5°	295065.9	370262.5	411983.8	429644.7	411983.8	370262.5	295065.9	204769.0	123199.2	72154.8	34802.9
-7.5°	209344.0	266704.4	296028.0	313424.1	296028.0	266704.4	209344.0	145463.2	91154.0	52520.5	26355.1
-10°	131802.3	164048.0	192097.9	204786.4	192097.9	164048.0	131802.3	92481.5	61531.5	34699.5	17263.0
-12.5°	76543.9	96959.1	113371.4	120343.4	113371.4	96959.1	76543.9	56600.0	34904.7	22195.4	11766.3
-15°	42300.3	53456.6	61012.9	63968.7	61012.9	53456.6	42300.3	30033.1	20687.0	12153.2	5651.5
-17.5°	23522.2	28935.9	31083.6	34527.8	31083.6	28935.9	23522.2	16546.9	10719.3	5400.9	3186.0
-20°	11523.8	14330.9	15230.9	17660.4	15230.9	14330.9	11523.8	7379.1	4868.5	2830.0	2286.1



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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°	4476.2	5138.8	5286.5	6438.7	5286.5	5138.8	4476.2	3296.9	2429.3	2151.6	1971.0
-25°	2324.6	2436.3	2488.2	2623.5	2488.2	2436.3	2324.6	2157.0	1981.4	1894.3	1833.6
-27.5°	1954.2	2008.3	2051.5	2116.6	2051.5	2008.3	1954.2	1894.0	1819.7	1870.6	1922.5
-30°	1904.6	1895.0	1896.3	1903.1	1896.3	1895.0	1904.6	1926.9	1955.8	2044.1	2170.9
-32.5°	2119.0	2086.1	2069.7	2008.4	2069.7	2086.1	2119.0	2170.4	2234.8	2296.9	2351.2
-35°	2408.2	2405.4	2407.5	2378.9	2407.5	2405.4	2408.2	2418.6	2435.9	2458.8	2465.8
-37.5°	2567.2	2571.8	2577.5	2568.6	2577.5	2571.8	2567.2	2566.4	2564.7	2570.4	2497.3
-40°	2649.1	2662.5	2671.9	2669.4	2671.9	2662.5	2649.1	2634.7	2593.2	2538.6	2404.9
-42.5°	2629.4	2662.5	2678.8	2684.3	2678.8	2662.5	2629.4	2576.0	2469.1	2334.4	2145.5
-45°	2408.3	2543.3	2624.7	2647.2	2624.7	2543.3	2408.3	2234.6	2044.8	1863.0	1681.3
-47.5°	1725.1	1924.9	2112.2	2276.7	2112.2	1924.9	1725.1	1508.1	1315.2	1132.6	931.5
-50°	876.5	899.1	945.2	1012.3	945.2	899.1	876.5	852.1	832.5	818.1	795.1
-52.5°	794.9	807.9	820.8	833.0	820.8	807.9	794.9	780.6	766.1	753.3	738.0
-55°	749.1	757.0	763.1	767.8	763.1	757.0	749.1	740.6	731.8	726.2	721.6
-57.5°	725.0	738.4	749.7	758.9	749.7	738.4	725.0	709.0	690.3	675.9	660.7
-60°	634.6	649.2	662.8	674.4	662.8	649.2	634.6	617.6	598.3	584.1	569.7
-62.5°	532.4	545.3	558.6	570.6	558.6	545.3	532.4	517.0	499.1	484.3	469.6
-65°	435.1	447.5	458.7	468.4	458.7	447.5	435.1	420.9	404.8	390.2	375.4
-67.5°	360.5	374.7	388.8	401.7	388.8	374.7	360.5	345.1	328.5	311.8	295.3
-70°	276.6	288.3	298.3	306.8	298.3	288.3	276.6	263.7	249.5	234.7	219.9
-72.5°	191.8	202.7	215.2	226.8	215.2	202.7	191.8	179.7	166.5	153.1	141.8
-75°	103.4	111.3	118.8	126.0	118.8	111.3	103.4	95.1	86.5	78.7	75.2
-77.5°	69.5	76.4	81.3	86.0	81.3	76.4	69.5	62.6	55.7	49.3	46.5
-80°	51.2	55.9	59.9	63.7	59.9	55.9	51.2	46.3	41.4	36.8	35.1
-82.5°	37.5	41.4	44.4	47.4	44.4	41.4	37.5	33.6	29.7	25.9	24.5
-85°	30.3	34.0	37.0	40.0	37.0	34.0	30.3	26.5	22.7	19.0	17.7
-87.5°	27.3	31.2	33.4	35.6	33.4	31.2	27.3	23.3	19.3	15.2	14.1
-90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18.5	14.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
87.5°	2.3	2.6	3.0	3.4	3.7	4.1	4.4	4.4	4.4	4.4	4.4
85°	2.9	2.9	3.0	3.4	3.7	4.1	4.4	4.6	4.8	4.9	5.0
82.5°	3.6	3.8	4.0	4.1	4.1	4.2	4.4	4.8	5.2	5.6	5.9
80°	3.7	4.1	4.4	4.6	4.8	4.8	4.9	5.1	5.3	5.6	6.0
77.5°	4.2	4.3	4.5	5.1	5.5	5.9	6.1	6.3	6.5	6.6	6.7
75°	5.9	5.9	6.0	6.6	7.0	7.2	7.3	7.1	7.1	7.3	7.4
72.5°	9.8	9.7	10.1	11.0	11.4	11.9	11.7	10.8	9.6	8.3	7.4
70°	13.4	14.0	15.5	17.7	19.2	19.9	19.6	18.2	15.6	13.5	11.5
67.5°	15.2	16.3	18.7	21.9	24.3	26.3	28.4	29.3	28.2	25.4	18.8
65°	15.0	17.0	18.7	20.5	23.2	27.2	34.4	38.0	38.9	37.5	29.2
62.5°	12.5	14.4	15.6	17.1	19.1	23.2	32.8	40.7	46.6	46.4	37.0
60°	9.5	10.5	11.9	13.4	14.9	19.4	28.2	38.5	50.5	47.7	40.8
57.5°	8.8	9.4	10.4	11.2	11.8	15.3	22.0	31.2	42.3	42.4	39.6
55°	10.1	10.6	11.1	11.5	12.0	13.5	16.1	21.8	30.1	32.3	31.8
52.5°	10.3	11.1	12.0	12.8	13.0	13.1	13.9	17.0	19.5	22.8	24.3
50°	11.8	12.0	12.4	13.1	13.5	13.4	13.5	14.4	16.1	17.6	18.6
47.5°	13.3	13.4	13.2	13.4	14.1	14.1	13.9	13.9	15.2	15.8	16.6
45°	16.2	16.1	15.7	16.1	15.8	15.7	15.2	15.8	15.8	16.3	16.3
42.5°	29.3	23.5	19.6	21.4	22.0	20.5	18.5	19.0	18.6	17.9	19.1
40°	40.2	45.6	39.7	31.9	29.9	28.9	26.4	23.6	22.7	21.1	23.6
37.5°	47.7	46.5	57.2	61.5	49.6	40.1	36.9	31.8	28.3	29.2	30.9
35°	73.1	70.5	71.5	76.9	80.6	69.2	53.9	43.7	38.1	39.3	40.0
32.5°	111.5	104.3	103.8	101.2	105.9	105.0	86.4	64.9	55.9	53.0	50.6
30°	141.9	134.5	125.7	141.3	149.9	143.2	124.8	110.4	90.8	69.7	63.2
27.5°	178.4	173.1	159.5	190.6	207.8	196.7	184.7	171.4	136.4	102.8	82.6
25°	248.3	231.6	242.6	264.1	278.5	269.8	256.3	237.7	201.1	152.0	124.3
22.5°	349.6	343.1	343.3	343.3	380.8	370.4	334.2	307.2	300.0	277.7	207.8
20°	541.5	500.7	467.7	516.6	554.6	497.1	425.0	457.6	513.8	461.3	321.7
17.5°	959.3	812.7	735.6	805.9	802.4	696.5	746.9	769.1	768.8	689.7	458.7
15°	1675.9	1375.7	1224.7	1155.3	1151.8	1217.7	1271.0	1133.6	1062.1	936.9	682.4
12.5°	3475.2	2059.1	1754.9	1603.4	1629.1	1726.1	1806.0	1613.4	1404.9	1295.7	1058.9
10°	6205.5	3309.5	2416.1	2163.0	2096.1	2185.6	2228.1	2036.4	1798.2	1691.3	1460.7
7.5°	11812.2	5444.7	3092.7	2680.0	2483.7	2459.6	2475.8	2362.4	2168.3	2073.0	1875.7
5°	16671.5	6925.7	3609.4	3081.1	2811.2	2738.0	2724.5	2629.2	2519.7	2442.8	2289.2
2.5°	17828.0	7157.2	4055.3	3450.7	3110.8	3012.5	3000.0	2848.0	2754.7	2639.3	2470.7
0°	20574.4	8347.7	4209.4	3585.4	3275.7	3246.0	3317.2	3048.9	2936.2	2798.4	2620.5
-2.5°	18378.9	7397.6	4058.4	3511.3	3249.7	3277.5	3429.8	3228.7	3059.8	2853.0	2586.6
-5°	15453.8	6486.7	3795.4	3276.2	3062.1	3145.4	3353.4	3256.8	3084.3	2864.1	2505.4
-7.5°	11837.4	5345.1	3455.8	3002.4	2841.4	2964.0	3163.4	3106.4	2923.2	2734.6	2339.5
-10°	7369.3	3978.6	2987.9	2673.9	2622.3	2809.2	3000.4	2934.1	2763.9	2601.9	2146.6
-12.5°	5143.3	2975.0	2510.1	2334.1	2419.2	2699.1	2859.3	2747.3	2611.5	2470.4	1934.4
-15°	3044.5	2457.2	2230.6	2167.9	2302.5	2582.0	2713.2	2605.3	2500.3	2341.8	1709.9
-17.5°	2381.0	2100.4	2009.3	2094.4	2293.1	2461.2	2551.3	2492.2	2369.3	2127.8	1440.1
-20°	2039.6	1942.3	1984.4	2093.6	2268.1	2391.5	2441.5	2368.2	2211.2	1794.0	1165.3



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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°	1894.6	1979.9	2070.2	2150.1	2200.1	2283.3	2304.1	2221.8	2032.5	1441.5	897.8
-25°	1949.5	2111.4	2237.6	2250.4	2184.6	2179.1	2174.1	2057.3	1677.6	1116.0	673.0
-27.5°	2096.2	2287.0	2393.7	2336.3	2212.6	2101.7	2030.3	1854.5	1313.7	859.9	633.0
-30°	2288.1	2386.5	2418.3	2319.2	2168.1	2049.3	1903.9	1456.4	1012.8	664.2	603.3
-32.5°	2396.2	2407.4	2360.3	2212.3	2090.8	1981.0	1577.8	1092.4	732.4	632.6	587.8
-35°	2458.1	2348.3	2208.7	2112.0	2042.1	1673.8	1226.2	814.9	653.1	605.6	575.6
-37.5°	2368.7	2200.5	2107.5	1991.5	1680.0	1292.0	866.0	687.4	625.8	591.9	571.8
-40°	2236.6	2102.4	1853.6	1586.7	1226.7	836.5	719.2	661.8	618.7	584.4	572.3
-42.5°	1931.9	1700.4	1399.4	1055.9	785.9	739.2	693.8	650.2	616.9	593.4	546.3
-45°	1403.2	1104.1	835.2	786.8	742.0	706.7	675.9	649.8	627.4	572.8	512.0
-47.5°	863.6	813.6	770.0	739.3	707.7	682.7	675.1	659.3	596.8	536.3	475.1
-50°	770.7	747.2	723.3	703.6	693.9	685.5	654.9	611.4	550.8	490.4	432.0
-52.5°	722.2	715.4	708.2	700.6	671.8	634.9	595.4	548.9	495.1	437.1	380.8
-55°	718.1	697.1	668.9	639.1	606.0	565.3	523.5	479.4	430.6	377.2	328.4
-57.5°	644.4	622.6	592.2	559.5	524.8	486.3	445.7	403.9	363.6	318.8	275.4
-60°	553.2	533.0	502.4	470.2	436.6	401.4	365.5	330.3	295.9	262.9	227.9
-62.5°	451.9	431.0	404.6	376.6	346.3	314.5	287.0	263.0	237.9	209.9	178.0
-65°	356.9	334.3	310.0	289.3	267.2	243.6	223.2	201.6	178.8	154.3	126.9
-67.5°	277.5	258.6	240.0	220.8	200.3	178.3	159.3	139.8	122.8	105.8	86.3
-70°	204.4	188.2	171.3	153.3	135.8	119.9	106.5	92.9	78.1	66.2	56.2
-72.5°	130.3	118.8	107.0	94.9	83.2	74.4	66.0	57.6	49.5	41.6	35.7
-75°	71.0	66.0	60.3	54.2	47.7	41.0	37.6	36.0	34.1	32.1	29.8
-77.5°	43.7	41.0	38.6	36.8	35.0	33.3	31.5	29.8	28.1	26.6	25.2
-80°	33.3	31.4	29.5	28.2	26.9	25.7	24.6	23.5	22.6	21.8	21.1
-82.5°	23.0	21.5	20.1	19.7	19.2	18.7	18.2	17.8	17.5	17.3	17.0
-85°	16.5	15.2	14.0	13.8	13.6	13.4	13.2	13.4	13.5	13.6	13.7
-87.5°	13.0	11.7	10.4	10.4	10.4	10.4	10.4	10.7	11.0	11.2	11.5
-90°	2.3	2.6	3.0	3.4	3.7	4.1	4.4	4.4	4.4	4.4	4.4



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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°	10.0	9.7	9.3	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
87.5°	4.8	5.2	5.5	5.9	6.3	6.7	7.0	7.4	7.4	7.4	7.4
85°	5.2	5.4	5.6	5.9	6.3	6.7	7.0	7.4	7.4	7.4	7.4
82.5°	5.9	5.8	5.8	5.9	6.3	6.7	7.1	7.4	7.4	7.4	7.4
80°	6.2	6.4	6.4	6.4	6.5	6.7	7.1	7.4	7.4	7.4	7.4
77.5°	6.7	6.9	7.1	7.2	7.1	7.1	7.2	7.4	7.4	7.4	7.4
75°	7.4	7.3	7.3	7.5	7.5	7.4	7.3	7.5	7.5	7.4	7.4
72.5°	7.4	7.4	7.4	7.6	7.8	7.8	7.6	7.5	7.7	7.7	7.5
70°	9.5	7.8	7.4	7.6	8.0	8.3	8.3	8.1	8.0	8.0	7.9
67.5°	13.4	11.1	9.2	8.0	8.1	8.4	8.8	8.7	8.6	8.4	8.2
65°	21.5	15.6	11.7	10.1	8.9	8.5	8.9	9.2	9.1	8.9	8.6
62.5°	28.4	20.9	15.6	12.4	10.3	9.3	9.0	9.5	9.7	9.4	9.1
60°	34.2	25.5	19.7	15.9	12.5	10.2	9.6	9.7	10.0	9.9	9.5
57.5°	33.3	28.6	24.3	19.6	15.4	12.0	10.4	10.3	10.4	10.4	10.0
55°	29.6	26.4	27.3	23.8	18.7	14.4	11.8	11.0	10.9	10.8	10.6
52.5°	23.2	24.9	27.7	27.0	22.5	17.1	14.1	11.7	11.5	11.3	11.2
50°	18.5	22.4	27.3	28.8	26.0	20.7	16.3	13.5	12.1	11.8	11.9
47.5°	17.9	21.4	25.1	30.2	29.0	23.8	18.8	15.4	12.7	12.4	12.7
45°	19.4	22.1	24.3	28.2	31.6	26.1	21.2	17.1	14.2	13.3	13.5
42.5°	22.0	24.3	25.9	26.5	30.1	27.9	23.3	18.9	15.7	14.3	14.4
40°	25.9	27.6	28.4	29.0	28.9	29.2	24.5	20.4	17.1	15.5	15.3
37.5°	30.6	31.8	32.0	33.1	29.8	29.0	25.4	21.7	19.0	17.2	16.3
35°	38.8	36.8	38.1	38.6	34.8	29.7	26.0	22.5	21.2	18.9	17.4
32.5°	48.3	45.9	46.7	45.2	41.1	31.2	26.8	25.0	23.5	20.6	18.5
30°	61.4	62.6	57.2	52.7	48.2	36.9	29.6	27.8	25.9	22.2	19.8
27.5°	85.9	83.2	70.8	62.6	55.2	44.4	35.3	31.0	28.6	24.0	21.1
25°	117.2	107.9	90.8	74.3	62.9	66.9	41.8	34.4	31.3	26.1	22.5
22.5°	158.7	136.5	113.4	87.2	95.9	96.5	54.5	39.7	34.1	28.3	23.8
20°	206.1	168.4	147.3	138.4	135.4	126.1	76.3	45.4	37.0	30.5	25.0
17.5°	267.4	235.3	229.0	201.5	179.0	158.5	101.9	51.4	40.1	32.8	26.3
15°	451.3	344.8	316.1	270.9	225.3	193.2	130.5	57.6	43.2	35.0	26.8
12.5°	690.3	457.7	407.5	345.0	273.7	229.6	161.2	63.9	46.3	36.0	26.4
10°	959.1	572.9	501.9	422.3	323.4	267.0	192.8	69.9	47.7	36.0	26.0
7.5°	1245.2	689.0	597.7	501.1	371.8	301.9	224.3	75.4	49.0	35.8	25.5
5°	1504.8	784.1	673.5	560.9	410.2	332.9	254.7	80.8	50.1	35.4	25.0
2.5°	1617.8	844.1	734.3	614.7	447.0	362.3	282.6	85.9	51.1	34.8	24.4
0°	1700.1	899.7	791.5	664.0	481.7	389.8	306.8	90.4	51.9	34.1	23.7
-2.5°	1621.5	890.8	778.7	661.9	493.1	395.6	308.0	104.5	62.1	40.2	26.2
-5°	1518.0	877.4	762.9	655.6	501.4	399.0	305.1	117.6	71.9	46.0	28.6
-7.5°	1427.5	843.6	739.6	644.0	506.3	399.8	299.0	129.5	80.8	51.2	30.7
-10°	1312.5	797.1	705.9	617.3	499.1	397.6	291.1	140.1	88.9	55.8	32.6
-12.5°	1161.9	749.4	671.7	590.8	488.3	393.0	284.2	150.0	96.0	59.6	34.0
-15°	974.1	701.2	637.9	566.2	476.2	386.8	276.0	158.7	103.3	63.4	35.1
-17.5°	751.6	653.5	605.0	544.6	463.2	379.4	267.4	165.5	109.4	67.6	36.8
-20°	685.5	619.8	574.1	527.1	449.5	370.9	258.7	170.2	114.2	70.5	38.6



REPORT NUMBER: P701581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	650.6	598.1	557.6	509.3	436.0	361.5	250.7	172.8	117.6	72.3	39.7
-25°	614.9	577.6	545.4	492.0	422.9	346.9	247.7	173.0	119.4	72.7	39.8
-27.5°	588.7	560.1	535.7	473.8	407.4	334.7	246.8	174.4	119.8	71.6	39.0
-30°	568.3	550.3	517.1	454.7	390.4	317.3	243.0	174.0	118.4	70.3	37.1
-32.5°	558.2	544.5	495.0	434.4	370.0	298.7	231.8	171.5	115.0	68.1	36.0
-35°	558.2	527.4	472.3	412.4	348.0	281.2	217.7	166.9	109.7	64.4	34.9
-37.5°	556.3	502.6	446.9	388.4	325.2	262.5	204.5	154.3	102.2	59.2	33.0
-40°	527.4	474.6	419.5	362.9	302.8	242.4	189.0	139.8	94.4	52.4	30.5
-42.5°	496.1	442.8	388.8	335.9	279.7	223.0	171.5	123.8	82.8	47.3	27.2
-45°	459.8	407.8	355.0	305.6	255.3	201.2	152.1	106.8	69.8	42.8	24.7
-47.5°	420.1	368.1	319.1	273.0	227.8	177.3	131.1	91.2	56.1	37.4	23.9
-50°	374.0	326.2	281.3	239.0	196.2	152.3	109.6	74.5	48.3	30.5	22.8
-52.5°	328.4	282.5	243.1	204.3	164.9	125.6	89.8	57.7	40.0	27.1	21.6
-55°	281.1	240.6	205.5	169.1	132.8	100.8	68.9	47.8	31.3	25.2	20.3
-57.5°	237.6	200.6	166.7	133.1	103.4	75.8	53.6	37.5	27.6	23.1	19.5
-60°	193.4	158.8	126.6	100.8	75.8	55.8	41.4	29.3	25.2	21.2	18.4
-62.5°	146.4	116.8	92.9	70.6	54.5	41.9	30.5	26.7	22.8	20.0	17.4
-65°	104.5	82.2	61.2	50.6	39.5	30.6	27.4	23.9	21.2	18.7	16.3
-67.5°	66.7	55.4	44.3	34.4	30.0	27.2	24.3	22.0	19.7	17.4	15.6
-70°	46.2	36.6	31.5	28.8	26.3	24.0	22.3	20.3	18.2	16.5	14.8
-72.5°	32.8	29.9	27.2	24.9	23.4	21.9	20.4	18.8	17.2	15.6	14.0
-75°	27.4	25.6	23.9	22.5	21.2	19.8	18.7	17.6	16.2	14.7	13.2
-77.5°	23.7	22.4	21.2	20.1	19.0	18.1	17.3	16.4	15.0	13.6	12.3
-80°	20.1	19.2	18.3	17.6	16.9	16.3	15.6	14.8	13.6	12.4	11.4
-82.5°	16.4	16.0	15.5	15.1	14.6	14.1	13.6	13.0	12.1	11.2	10.6
-85°	13.4	13.2	12.9	12.5	12.2	11.9	11.7	11.4	10.9	10.4	10.0
-87.5°	11.3	11.1	10.9	10.6	10.5	10.4	10.3	10.2	9.9	9.7	9.5
-90°	4.8	5.2	5.5	5.9	6.3	6.7	7.0	7.4	7.4	7.4	7.4



REPORT NUMBER: P701581 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.9	8.5	8.2	7.8	7.4	7.4	7.4
87.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	7.4	7.5	7.4	7.4	7.4	7.4	7.4
75°	7.5	7.6	7.4	7.4	7.4	7.4	7.4
72.5°	7.6	7.9	7.7	7.4	7.4	7.4	7.4
70°	7.7	8.1	8.0	7.5	7.4	7.4	7.4
67.5°	8.1	8.3	8.3	7.8	7.4	7.4	7.4
65°	8.6	8.6	8.6	8.1	7.4	7.4	7.4
62.5°	9.0	9.0	8.9	8.4	7.4	7.4	7.4
60°	9.4	9.4	9.3	8.7	7.4	7.4	7.4
57.5°	9.9	9.7	9.6	9.0	7.6	7.4	7.4
55°	10.5	10.1	9.9	9.3	7.8	7.4	7.4
52.5°	11.0	10.5	10.2	9.6	8.0	7.4	7.4
50°	11.6	11.0	10.4	10.0	8.2	7.4	7.4
47.5°	12.2	11.5	10.7	10.3	8.3	7.4	7.4
45°	12.9	12.0	11.0	10.5	8.5	7.4	7.4
42.5°	13.7	12.5	11.3	10.7	8.6	7.4	7.4
40°	14.5	13.0	11.6	10.8	8.7	7.4	7.4
37.5°	15.3	13.5	12.0	10.8	8.8	7.4	7.4
35°	16.2	14.1	12.4	10.9	8.9	7.4	7.4
32.5°	17.1	14.8	12.8	10.9	9.0	7.4	7.4
30°	18.0	15.5	13.2	10.9	9.0	7.4	7.4
27.5°	18.9	16.2	13.3	10.9	9.1	7.4	7.4
25°	19.9	17.0	13.4	10.9	9.1	7.4	7.4
22.5°	20.9	17.4	13.3	10.9	9.2	7.4	7.4
20°	21.9	17.4	13.3	10.9	9.2	7.4	7.4
17.5°	22.0	17.3	13.2	10.9	9.2	7.4	7.4
15°	21.6	17.1	13.1	10.8	9.2	7.4	7.4
12.5°	21.1	16.8	13.0	10.8	9.1	7.4	7.4
10°	20.6	16.5	12.8	10.7	9.1	7.4	7.4
7.5°	20.0	16.1	12.6	10.7	9.1	7.4	7.4
5°	19.3	15.7	12.4	10.6	9.0	7.4	7.4
2.5°	18.6	15.3	12.1	10.5	9.0	7.4	7.4
0°	17.8	14.8	11.9	10.4	8.9	7.4	7.4
-2.5°	18.6	15.0	12.0	10.4	8.9	7.4	7.4
-5°	19.3	15.1	12.1	10.4	8.9	7.5	7.4
-7.5°	19.9	15.2	12.2	10.4	8.9	7.5	7.4
-10°	20.4	15.2	12.3	10.3	8.9	7.5	7.4
-12.5°	20.9	15.3	12.3	10.3	8.8	7.6	7.4
-15°	21.1	15.3	12.3	10.2	8.8	7.6	7.4
-17.5°	21.2	15.2	12.3	10.2	8.8	7.6	7.4
-20°	21.5	15.2	12.3	10.1	8.8	7.6	7.4



REPORT NUMBER: P701581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.1	15.1	12.2	10.1	8.8	7.7	7.4
-25°	22.4	15.2	12.1	10.0	8.7	7.7	7.4
-27.5°	22.2	15.4	11.9	9.9	8.7	7.7	7.4
-30°	21.7	15.4	11.8	9.8	8.7	7.7	7.4
-32.5°	20.7	15.4	11.7	9.7	8.7	7.7	7.4
-35°	20.3	15.3	11.7	9.6	8.7	7.8	7.4
-37.5°	20.1	15.2	11.6	9.5	8.7	7.8	7.4
-40°	19.8	15.0	11.4	9.3	8.6	7.8	7.4
-42.5°	19.4	14.8	11.4	9.3	8.6	7.8	7.4
-45°	18.8	14.5	11.3	9.2	8.6	7.8	7.4
-47.5°	18.1	14.2	11.3	9.2	8.6	7.8	7.4
-50°	17.6	13.9	11.2	9.2	8.6	7.8	7.4
-52.5°	17.0	13.4	11.0	9.3	8.7	7.8	7.4
-55°	16.4	13.2	10.9	9.3	8.7	7.8	7.4
-57.5°	15.8	12.9	10.7	9.3	8.7	7.7	7.4
-60°	15.1	12.6	10.5	9.3	8.7	7.7	7.4
-62.5°	14.6	12.3	10.4	9.3	8.6	7.7	7.4
-65°	14.1	11.9	10.3	9.3	8.5	7.7	7.4
-67.5°	13.6	11.6	10.2	9.3	8.5	7.7	7.4
-70°	13.0	11.3	10.0	9.2	8.4	7.6	7.4
-72.5°	12.4	10.9	9.8	9.1	8.3	7.6	7.4
-75°	11.8	10.5	9.6	8.9	8.1	7.6	7.4
-77.5°	11.1	10.1	9.4	8.7	8.0	7.6	7.4
-80°	10.5	9.8	9.2	8.5	7.9	7.5	7.4
-82.5°	10.0	9.5	8.9	8.4	7.8	7.5	7.4
-85°	9.7	9.2	8.7	8.2	7.7	7.5	7.4
-87.5°	9.3	8.8	8.4	8.0	7.5	7.4	7.4
-90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4

(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

