

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: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-1S-HEG-S**

Issue Date: 8/15/2023

Test Information

Test Method: LM-79-08
Report Number: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-80-1S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

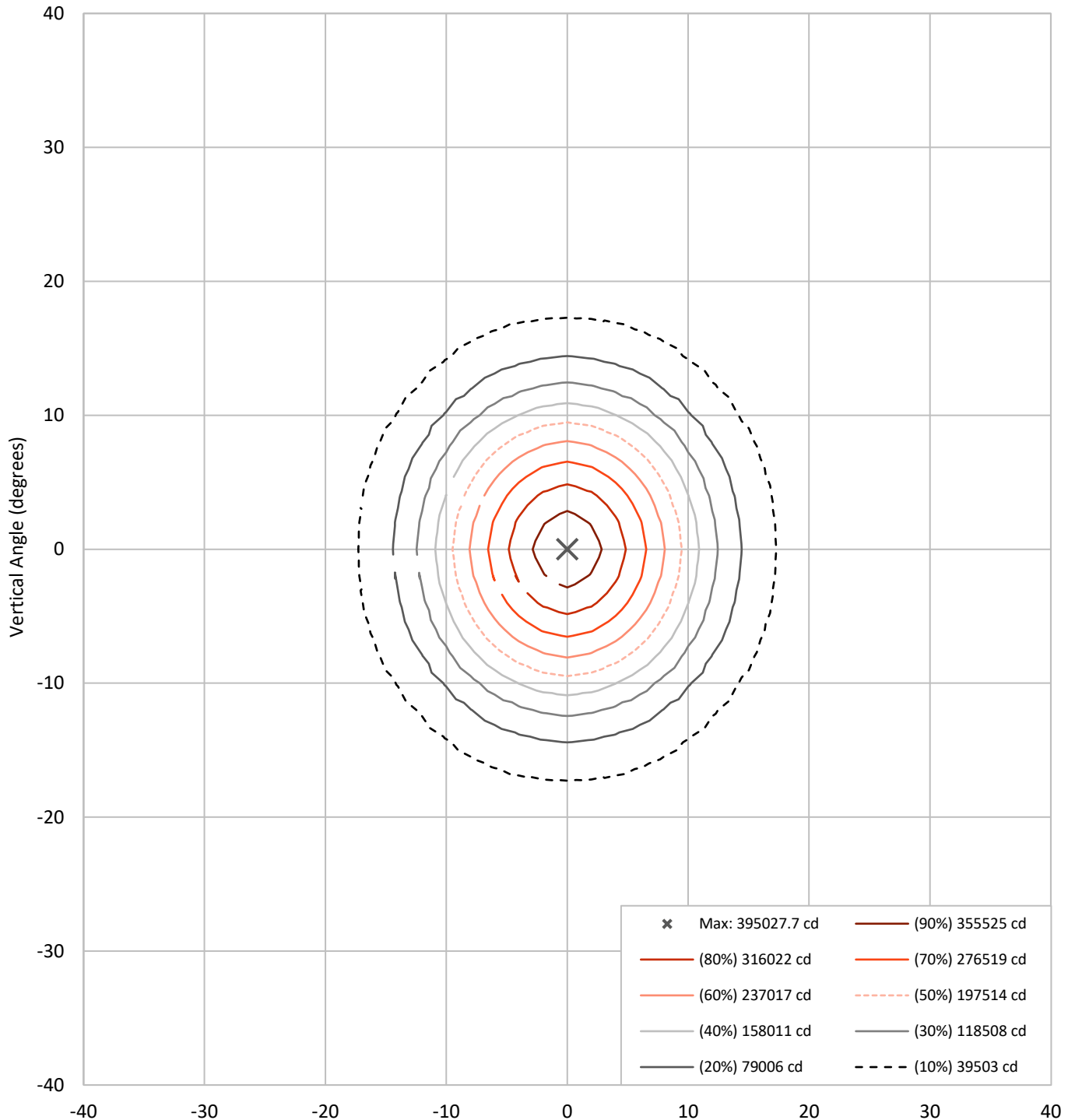
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	53512.6 lumens	Max Intensity:	395027.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	156.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	23064.7 lumens	Field Lumens:	42490.1 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 341.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





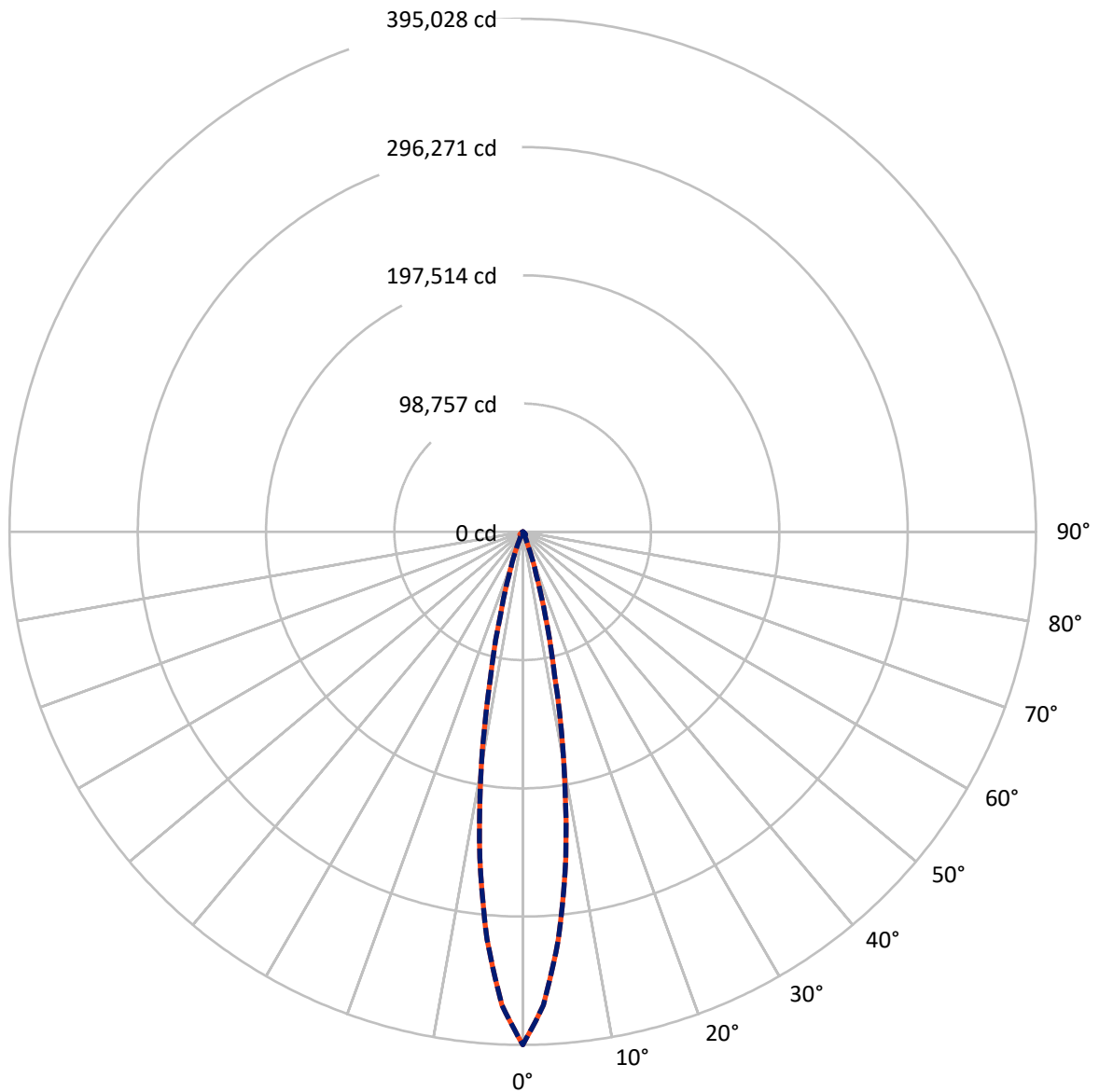
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Lumen Table

90																
80	0.1	0.5		1.9		4.6		6.1		4.6		1.9		0.5		0.1
70																
60	0.2	0.3	1.1	3.3	6.7	10.4	13.5	15.2	15.2	13.5	10.4	6.7	3.3	1.1	0.3	0.2
50		0.8	3.9	9.7	16.7	22.5	26.4	28.4	28.4	26.4	22.5	16.7	9.7	3.9	0.8	
40	0.6	2.1	7.9	16.5	24.1	40.9	64.4	77.4	77.4	64.4	40.9	24.1	16.5	7.9	2.1	0.6
30		3.6	11.8	20.9	49.4	84.5	93.3	93.5	93.5	93.3	84.5	49.4	20.9	11.8	3.6	
20	1.3	5.0	14.4	32.3	76.4	84.7	93.0	161.2	161.2	93.0	84.7	76.4	32.3	14.4	5.0	1.3
10		6.1	15.8	47.8	79.1	87.4	511.0	1908.2	1908.2	511.0	87.4	79.1	47.8	15.8	6.1	
0	1.7	6.7	16.5	55.5	76.8	148.3	1862.0	7327.6	7327.6	1862.0	148.3	76.8	55.5	16.5	6.7	1.7
-10		6.7	16.5	55.5	76.8	148.3	1862.0	7327.6	7327.6	1862.0	148.3	76.8	55.5	16.5	6.7	
-20	1.3	6.1	15.8	47.8	79.1	87.4	511.0	1908.2	1908.2	511.0	87.4	79.1	47.8	15.8	6.1	1.3
-30		5.0	14.4	32.3	76.4	84.7	93.0	161.2	161.2	93.0	84.7	76.4	32.3	14.4	5.0	
-40	0.6	3.6	11.8	20.9	49.4	84.5	93.3	93.5	93.5	93.3	84.5	49.4	20.9	11.8	3.6	0.6
-50		2.1	7.9	16.5	24.1	40.9	64.4	77.4	77.4	64.4	40.9	24.1	16.5	7.9	2.1	
-60	0.2	0.8	3.9	9.7	16.7	22.5	26.4	28.4	28.4	26.4	22.5	16.7	9.7	3.9	0.8	0.2
-70		0.3	1.1	3.3	6.7	10.4	13.5	15.2	15.2	13.5	10.4	6.7	3.3	1.1	0.3	
-80																
-90	0.1	0.5		1.9		4.6		6.1		4.6		1.9		0.5		0.1

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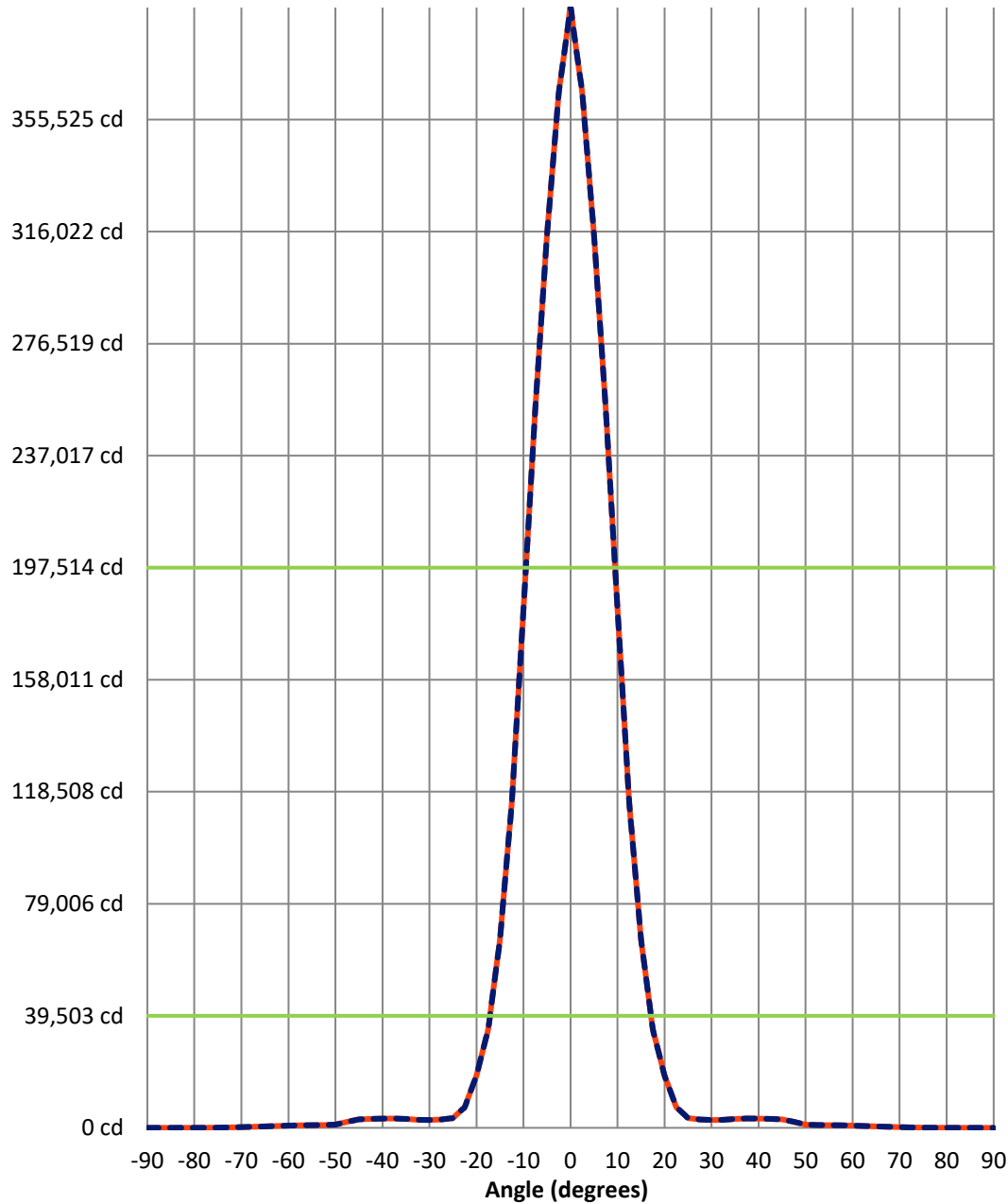
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 19°
V Angle: 19°
Lumens: 23064.7
Efficiency: 43.1%

Field:
H Angle: 34.3°
V Angle: 34.3°
Lumens: 42490.1
Efficiency: 79.4%

Spill:
Lumens: 11022.6
Efficiency: 20.6%

— 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.2	4.5
80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.4	4.8	5.3	5.7
77.5°	0.0	0.8	1.6	2.5	3.3	4.0	4.6	5.2	5.8	6.3	7.2
75°	0.0	1.0	2.0	2.9	3.9	4.6	5.3	6.0	6.8	8.2	9.5
72.5°	0.0	1.1	2.3	3.4	4.4	5.2	6.0	7.0	8.7	10.3	11.8
70°	0.0	1.3	2.6	3.9	4.8	5.8	6.8	8.7	10.5	12.4	14.4
67.5°	0.0	1.5	2.9	4.2	5.3	6.3	8.2	10.3	12.4	14.7	17.1
65°	0.0	1.6	3.2	4.5	5.7	7.2	9.5	11.8	14.4	17.1	20.2
62.5°	0.0	1.8	3.5	4.9	6.2	8.3	10.8	13.6	16.5	19.7	24.6
60°	0.0	1.9	3.8	5.2	6.6	9.4	12.2	15.3	18.5	23.6	28.9
57.5°	0.0	2.0	4.0	5.5	7.4	10.4	13.6	17.0	21.6	27.4	39.7
55°	0.0	2.2	4.2	5.8	8.2	11.5	15.0	18.7	24.9	33.0	53.4
52.5°	0.0	2.3	4.4	6.1	9.0	12.5	16.4	21.4	28.1	45.0	66.7
50°	0.0	2.4	4.6	6.4	9.8	13.6	17.8	24.1	33.3	56.6	91.8
47.5°	0.0	2.6	4.8	6.7	10.6	14.7	19.2	26.7	43.3	67.8	117.4
45°	0.0	2.7	5.0	7.3	11.3	15.7	21.4	29.3	52.9	89.8	142.2
42.5°	0.0	2.8	5.1	7.8	12.0	16.7	23.5	35.0	62.1	111.2	173.2
40°	0.0	2.9	5.3	8.3	12.7	17.7	25.4	42.7	74.0	131.6	204.1
37.5°	0.0	3.0	5.4	8.8	13.4	18.6	27.3	50.0	91.2	153.0	233.5
35°	0.0	3.1	5.6	9.2	14.1	19.9	29.1	56.9	107.5	178.0	262.4
32.5°	0.0	3.2	5.7	9.6	14.7	21.3	31.9	63.4	122.9	201.5	291.4
30°	0.0	3.3	5.8	10.0	15.3	22.6	37.1	71.0	137.3	223.6	318.5
27.5°	0.0	3.4	6.0	10.4	15.9	23.8	42.0	82.7	152.4	244.1	343.8
25°	0.0	3.4	6.1	10.7	16.4	24.9	46.4	93.4	169.1	264.2	367.3
22.5°	0.0	3.5	6.2	11.0	16.9	25.9	50.5	103.2	184.4	283.2	392.9
20°	0.0	3.6	6.3	11.3	17.3	26.8	54.1	112.0	198.1	300.4	416.1
17.5°	0.0	3.6	6.3	11.5	17.7	27.6	57.4	119.8	210.3	315.6	436.7
15°	0.0	3.7	6.4	11.7	18.0	28.3	60.2	126.6	220.9	328.9	454.7
12.5°	0.0	3.7	6.5	11.9	18.3	28.9	62.6	132.4	230.0	340.2	470.0
10°	0.0	3.7	6.5	12.0	18.5	29.4	64.6	137.2	237.4	349.5	482.6
7.5°	0.0	3.8	6.6	12.2	18.7	29.8	66.1	140.9	243.2	356.7	492.4
5°	0.0	3.8	6.6	12.2	18.8	30.1	67.2	143.6	247.4	361.9	499.4
2.5°	0.0	3.8	6.6	12.3	18.9	30.2	67.9	145.2	249.9	365.1	503.7
0°	0.0	3.8	6.6	12.3	18.9	30.3	68.1	145.7	250.7	366.1	505.1
-2.5°	0.0	3.8	6.6	12.3	18.9	30.2	67.9	145.2	249.9	365.1	503.7
-5°	0.0	3.8	6.6	12.2	18.8	30.1	67.2	143.6	247.4	361.9	499.4
-7.5°	0.0	3.8	6.6	12.2	18.7	29.8	66.1	140.9	243.2	356.7	492.4
-10°	0.0	3.7	6.5	12.0	18.5	29.4	64.6	137.2	237.4	349.5	482.6
-12.5°	0.0	3.7	6.5	11.9	18.3	28.9	62.6	132.4	230.0	340.2	470.0
-15°	0.0	3.7	6.4	11.7	18.0	28.3	60.2	126.6	220.9	328.9	454.7
-17.5°	0.0	3.6	6.3	11.5	17.7	27.6	57.4	119.8	210.3	315.6	436.7
-20°	0.0	3.6	6.3	11.3	17.3	26.8	54.1	112.0	198.1	300.4	416.1



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.5	6.2	11.0	16.9	25.9	50.5	103.2	184.4	283.2	392.9
-25°	0.0	3.4	6.1	10.7	16.4	24.9	46.4	93.4	169.1	264.2	367.3
-27.5°	0.0	3.4	6.0	10.4	15.9	23.8	42.0	82.7	152.4	244.1	343.8
-30°	0.0	3.3	5.8	10.0	15.3	22.6	37.1	71.0	137.3	223.6	318.5
-32.5°	0.0	3.2	5.7	9.6	14.7	21.3	31.9	63.4	122.9	201.5	291.4
-35°	0.0	3.1	5.6	9.2	14.1	19.9	29.1	56.9	107.5	178.0	262.4
-37.5°	0.0	3.0	5.4	8.8	13.4	18.6	27.3	50.0	91.2	153.0	233.5
-40°	0.0	2.9	5.3	8.3	12.7	17.7	25.4	42.7	74.0	131.6	204.1
-42.5°	0.0	2.8	5.1	7.8	12.0	16.7	23.5	35.0	62.1	111.2	173.2
-45°	0.0	2.7	5.0	7.3	11.3	15.7	21.4	29.3	52.9	89.8	142.2
-47.5°	0.0	2.6	4.8	6.7	10.6	14.7	19.2	26.7	43.3	67.8	117.4
-50°	0.0	2.4	4.6	6.4	9.8	13.6	17.8	24.1	33.3	56.6	91.8
-52.5°	0.0	2.3	4.4	6.1	9.0	12.5	16.4	21.4	28.1	45.0	66.7
-55°	0.0	2.2	4.2	5.8	8.2	11.5	15.0	18.7	24.9	33.0	53.4
-57.5°	0.0	2.0	4.0	5.5	7.4	10.4	13.6	17.0	21.6	27.4	39.7
-60°	0.0	1.9	3.8	5.2	6.6	9.4	12.2	15.3	18.5	23.6	28.9
-62.5°	0.0	1.8	3.5	4.9	6.2	8.3	10.8	13.6	16.5	19.7	24.6
-65°	0.0	1.6	3.2	4.5	5.7	7.2	9.5	11.8	14.4	17.1	20.2
-67.5°	0.0	1.5	2.9	4.2	5.3	6.3	8.2	10.3	12.4	14.7	17.1
-70°	0.0	1.3	2.6	3.9	4.8	5.8	6.8	8.7	10.5	12.4	14.4
-72.5°	0.0	1.1	2.3	3.4	4.4	5.2	6.0	7.0	8.7	10.3	11.8
-75°	0.0	1.0	2.0	2.9	3.9	4.6	5.3	6.0	6.8	8.2	9.5
-77.5°	0.0	0.8	1.6	2.5	3.3	4.0	4.6	5.2	5.8	6.3	7.2
-80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.4	4.8	5.3	5.7
-82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.2	4.5
-85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
-87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
85°	3.5	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.4
82.5°	4.9	5.2	5.5	5.8	6.1	6.4	6.7	7.3	7.8	8.3	8.8
80°	6.2	6.6	7.4	8.2	9.0	9.8	10.6	11.3	12.0	12.7	13.4
77.5°	8.3	9.4	10.4	11.5	12.5	13.6	14.7	15.7	16.7	17.7	18.6
75°	10.8	12.2	13.6	15.0	16.4	17.8	19.2	21.4	23.5	25.4	27.3
72.5°	13.6	15.3	17.0	18.7	21.4	24.1	26.7	29.3	35.0	42.7	50.0
70°	16.5	18.5	21.6	24.9	28.1	33.3	43.3	52.9	62.1	74.0	91.2
67.5°	19.7	23.6	27.4	33.0	45.0	56.6	67.8	89.8	111.2	131.6	153.0
65°	24.6	28.9	39.7	53.4	66.7	91.8	117.4	142.2	173.2	204.1	233.5
62.5°	29.4	43.1	58.5	79.2	109.2	138.4	174.1	211.1	246.6	283.7	319.5
60°	43.1	60.2	86.2	119.8	155.0	198.1	239.9	283.2	326.0	367.3	414.5
57.5°	58.5	86.2	123.3	164.6	212.6	260.1	310.0	358.2	412.6	466.5	518.4
55°	79.2	119.8	164.6	217.4	270.9	326.2	382.7	445.5	506.1	566.3	624.1
52.5°	109.2	155.0	212.6	270.9	331.6	395.9	465.3	533.7	601.1	664.7	722.5
50°	138.4	198.1	260.1	326.2	395.9	472.0	547.6	622.1	691.0	755.6	813.1
47.5°	174.1	239.9	310.0	382.7	465.3	547.6	629.1	704.2	775.6	836.6	894.5
45°	211.1	283.2	358.2	445.5	533.7	622.1	704.2	782.3	848.5	903.2	923.3
42.5°	246.6	326.0	412.6	506.1	601.1	691.0	775.6	848.5	905.2	927.2	952.8
40°	283.7	367.3	466.5	566.3	664.7	755.6	836.6	903.2	927.2	955.5	986.1
37.5°	319.5	414.5	518.4	624.1	722.5	813.1	894.5	923.3	952.8	986.1	1077.6
35°	353.4	459.4	569.1	676.9	777.6	864.8	915.4	944.6	980.5	1069.3	1348.9
32.5°	389.4	501.9	617.0	725.2	823.8	903.7	932.5	969.4	1044.3	1235.1	1932.4
30°	425.7	543.0	661.2	770.8	866.9	918.7	953.0	1003.2	1117.9	1758.3	2435.0
27.5°	459.4	581.5	700.3	809.4	901.5	932.9	973.6	1068.0	1472.1	2234.6	2882.6
25°	490.6	617.0	736.5	843.8	913.6	949.4	1002.9	1128.4	1904.6	2627.6	3043.6
22.5°	519.6	649.6	769.6	875.4	924.8	965.8	1054.6	1451.3	2278.5	2978.7	3125.3
20°	546.3	676.9	797.4	900.4	934.9	980.6	1101.7	1790.3	2588.5	3048.4	3180.8
17.5°	570.0	701.2	820.8	908.7	946.6	1006.1	1182.7	2094.8	2867.4	3111.3	3221.7
15°	590.7	722.5	841.2	916.0	957.3	1040.2	1429.8	2327.6	3004.0	3160.6	3257.3
12.5°	608.4	740.6	858.6	922.2	966.4	1069.5	1641.6	2522.5	3048.1	3189.5	3267.1
10°	622.9	755.6	873.0	927.3	974.0	1093.6	1816.7	2683.8	3084.8	3213.5	3275.3
7.5°	634.2	767.2	884.2	931.3	979.9	1112.5	1954.0	2810.5	3113.6	3232.4	3281.7
5°	642.4	775.6	892.2	934.2	984.2	1126.1	2052.8	2901.7	3134.3	3246.0	3286.4
2.5°	647.3	780.6	897.1	935.9	986.7	1134.3	2112.3	2956.7	3146.8	3254.2	3289.2
0°	648.9	782.3	898.7	936.5	987.6	1137.0	2132.2	2975.1	3151.0	3257.0	3290.1
-2.5°	647.3	780.6	897.1	935.9	986.7	1134.3	2112.3	2956.7	3146.8	3254.2	3289.2
-5°	642.4	775.6	892.2	934.2	984.2	1126.1	2052.8	2901.7	3134.3	3246.0	3286.4
-7.5°	634.2	767.2	884.2	931.3	979.9	1112.5	1954.0	2810.5	3113.6	3232.4	3281.7
-10°	622.9	755.6	873.0	927.3	974.0	1093.6	1816.7	2683.8	3084.8	3213.5	3275.3
-12.5°	608.4	740.6	858.6	922.2	966.4	1069.5	1641.6	2522.5	3048.1	3189.5	3267.1
-15°	590.7	722.5	841.2	916.0	957.3	1040.2	1429.8	2327.6	3004.0	3160.6	3257.3
-17.5°	570.0	701.2	820.8	908.7	946.6	1006.1	1182.7	2094.8	2867.4	3111.3	3221.7
-20°	546.3	676.9	797.4	900.4	934.9	980.6	1101.7	1790.3	2588.5	3048.4	3180.8



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	519.6	649.6	769.6	875.4	924.8	965.8	1054.6	1451.3	2278.5	2978.7	3125.3
-25°	490.6	617.0	736.5	843.8	913.6	949.4	1002.9	1128.4	1904.6	2627.6	3043.6
-27.5°	459.4	581.5	700.3	809.4	901.5	932.9	973.6	1068.0	1472.1	2234.6	2882.6
-30°	425.7	543.0	661.2	770.8	866.9	918.7	953.0	1003.2	1117.9	1758.3	2435.0
-32.5°	389.4	501.9	617.0	725.2	823.8	903.7	932.5	969.4	1044.3	1235.1	1932.4
-35°	353.4	459.4	569.1	676.9	777.6	864.8	915.4	944.6	980.5	1069.3	1348.9
-37.5°	319.5	414.5	518.4	624.1	722.5	813.1	894.5	923.3	952.8	986.1	1077.6
-40°	283.7	367.3	466.5	566.3	664.7	755.6	836.6	903.2	927.2	955.5	986.1
-42.5°	246.6	326.0	412.6	506.1	601.1	691.0	775.6	848.5	905.2	927.2	952.8
-45°	211.1	283.2	358.2	445.5	533.7	622.1	704.2	782.3	848.5	903.2	923.3
-47.5°	174.1	239.9	310.0	382.7	465.3	547.6	629.1	704.2	775.6	836.6	894.5
-50°	138.4	198.1	260.1	326.2	395.9	472.0	547.6	622.1	691.0	755.6	813.1
-52.5°	109.2	155.0	212.6	270.9	331.6	395.9	465.3	533.7	601.1	664.7	722.5
-55°	79.2	119.8	164.6	217.4	270.9	326.2	382.7	445.5	506.1	566.3	624.1
-57.5°	58.5	86.2	123.3	164.6	212.6	260.1	310.0	358.2	412.6	466.5	518.4
-60°	43.1	60.2	86.2	119.8	155.0	198.1	239.9	283.2	326.0	367.3	414.5
-62.5°	29.4	43.1	58.5	79.2	109.2	138.4	174.1	211.1	246.6	283.7	319.5
-65°	24.6	28.9	39.7	53.4	66.7	91.8	117.4	142.2	173.2	204.1	233.5
-67.5°	19.7	23.6	27.4	33.0	45.0	56.6	67.8	89.8	111.2	131.6	153.0
-70°	16.5	18.5	21.6	24.9	28.1	33.3	43.3	52.9	62.1	74.0	91.2
-72.5°	13.6	15.3	17.0	18.7	21.4	24.1	26.7	29.3	35.0	42.7	50.0
-75°	10.8	12.2	13.6	15.0	16.4	17.8	19.2	21.4	23.5	25.4	27.3
-77.5°	8.3	9.4	10.4	11.5	12.5	13.6	14.7	15.7	16.7	17.7	18.6
-80°	6.2	6.6	7.4	8.2	9.0	9.8	10.6	11.3	12.0	12.7	13.4
-82.5°	4.9	5.2	5.5	5.8	6.1	6.4	6.7	7.3	7.8	8.3	8.8
-85°	3.5	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.4
-87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
85°	5.6	5.7	5.8	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.5
82.5°	9.2	9.6	10.0	10.4	10.7	11.0	11.3	11.5	11.7	11.9	12.0
80°	14.1	14.7	15.3	15.9	16.4	16.9	17.3	17.7	18.0	18.3	18.5
77.5°	19.9	21.3	22.6	23.8	24.9	25.9	26.8	27.6	28.3	28.9	29.4
75°	29.1	31.9	37.1	42.0	46.4	50.5	54.1	57.4	60.2	62.6	64.6
72.5°	56.9	63.4	71.0	82.7	93.4	103.2	112.0	119.8	126.6	132.4	137.2
70°	107.5	122.9	137.3	152.4	169.1	184.4	198.1	210.3	220.9	230.0	237.4
67.5°	178.0	201.5	223.6	244.1	264.2	283.2	300.4	315.6	328.9	340.2	349.5
65°	262.4	291.4	318.5	343.8	367.3	392.9	416.1	436.7	454.7	470.0	482.6
62.5°	353.4	389.4	425.7	459.4	490.6	519.6	546.3	570.0	590.7	608.4	622.9
60°	459.4	501.9	543.0	581.5	617.0	649.6	676.9	701.2	722.5	740.6	755.6
57.5°	569.1	617.0	661.2	700.3	736.5	769.6	797.4	820.8	841.2	858.6	873.0
55°	676.9	725.2	770.8	809.4	843.8	875.4	900.4	908.7	916.0	922.2	927.3
52.5°	777.6	823.8	866.9	901.5	913.6	924.8	934.9	946.6	957.3	966.4	974.0
50°	864.8	903.7	918.7	932.9	949.4	965.8	980.6	1006.1	1040.2	1069.5	1093.6
47.5°	915.4	932.5	953.0	973.6	1002.9	1054.6	1101.7	1182.7	1429.8	1641.6	1816.7
45°	944.6	969.4	1003.2	1068.0	1128.4	1451.3	1790.3	2094.8	2327.6	2522.5	2683.8
42.5°	980.5	1044.3	1117.9	1472.1	1904.6	2278.5	2588.5	2867.4	3004.0	3048.1	3084.8
40°	1069.3	1235.1	1758.3	2234.6	2627.6	2978.7	3048.4	3111.3	3160.6	3189.5	3213.5
37.5°	1348.9	1932.4	2435.0	2882.6	3043.6	3125.3	3180.8	3221.7	3257.3	3267.1	3275.3
35°	1990.9	2536.3	2988.2	3087.8	3169.5	3222.3	3261.4	3275.2	3287.5	3252.3	3210.5
32.5°	2536.3	2999.1	3110.2	3190.3	3250.7	3272.7	3289.1	3224.7	3161.9	3082.7	2994.6
30°	2988.2	3110.2	3197.2	3259.5	3279.6	3250.1	3167.2	3051.7	2920.5	2826.3	2801.8
27.5°	3087.8	3190.3	3259.5	3282.0	3227.4	3129.9	2958.1	2824.8	2788.5	2756.6	2821.8
25°	3169.5	3250.7	3279.6	3227.4	3107.0	2910.4	2805.8	2762.3	2838.6	2923.6	3082.5
22.5°	3222.3	3272.7	3250.1	3129.9	2910.4	2799.4	2774.9	2889.7	3078.9	3327.3	4190.0
20°	3261.4	3289.1	3167.2	2958.1	2805.8	2774.9	2907.0	3176.2	3730.0	5838.0	8332.3
17.5°	3275.2	3224.7	3051.7	2824.8	2762.3	2889.7	3176.2	4132.9	6692.3	12240.9	18094.3
15°	3287.5	3161.9	2920.5	2788.5	2838.6	3078.9	3730.0	6692.3	13581.5	22152.1	31775.4
12.5°	3252.3	3082.7	2826.3	2756.6	2923.6	3327.3	5838.0	12240.9	22152.1	34112.8	54372.2
10°	3210.5	2994.6	2801.8	2821.8	3082.5	4190.0	8332.3	18094.3	31775.4	54372.2	81878.2
7.5°	3177.3	2924.8	2782.2	2874.3	3237.2	5518.7	12621.9	25034.9	44555.1	74310.3	114969.6
5°	3153.4	2874.2	2768.0	2912.6	3350.7	6498.3	15808.9	30368.0	56461.2	94435.4	148668.9
2.5°	3138.9	2843.5	2759.4	2936.0	3420.0	7099.3	17775.4	33686.0	63957.5	108945.5	173880.4
0°	3134.0	2833.2	2756.5	2943.8	3443.3	7301.9	18440.6	34813.3	66522.0	114451.2	182885.9
-2.5°	3138.9	2843.5	2759.4	2936.0	3420.0	7099.3	17775.4	33686.0	63957.5	108945.5	173880.4
-5°	3153.4	2874.2	2768.0	2912.6	3350.7	6498.3	15808.9	30368.0	56461.2	94435.4	148668.9
-7.5°	3177.3	2924.8	2782.2	2874.3	3237.2	5518.7	12621.9	25034.9	44555.1	74310.3	114969.6
-10°	3210.5	2994.6	2801.8	2821.8	3082.5	4190.0	8332.3	18094.3	31775.4	54372.2	81878.2
-12.5°	3252.3	3082.7	2826.3	2756.6	2923.6	3327.3	5838.0	12240.9	22152.1	34112.8	54372.2
-15°	3287.5	3161.9	2920.5	2788.5	2838.6	3078.9	3730.0	6692.3	13581.5	22152.1	31775.4
-17.5°	3275.2	3224.7	3051.7	2824.8	2762.3	2889.7	3176.2	4132.9	6692.3	12240.9	18094.3
-20°	3261.4	3289.1	3167.2	2958.1	2805.8	2774.9	2907.0	3176.2	3730.0	5838.0	8332.3



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3222.3	3272.7	3250.1	3129.9	2910.4	2799.4	2774.9	2889.7	3078.9	3327.3	4190.0
-25°	3169.5	3250.7	3279.6	3227.4	3107.0	2910.4	2805.8	2762.3	2838.6	2923.6	3082.5
-27.5°	3087.8	3190.3	3259.5	3282.0	3227.4	3129.9	2958.1	2824.8	2788.5	2756.6	2821.8
-30°	2988.2	3110.2	3197.2	3259.5	3279.6	3250.1	3167.2	3051.7	2920.5	2826.3	2801.8
-32.5°	2536.3	2999.1	3110.2	3190.3	3250.7	3272.7	3289.1	3224.7	3161.9	3082.7	2994.6
-35°	1990.9	2536.3	2988.2	3087.8	3169.5	3222.3	3261.4	3275.2	3287.5	3252.3	3210.5
-37.5°	1348.9	1932.4	2435.0	2882.6	3043.6	3125.3	3180.8	3221.7	3257.3	3267.1	3275.3
-40°	1069.3	1235.1	1758.3	2234.6	2627.6	2978.7	3048.4	3111.3	3160.6	3189.5	3213.5
-42.5°	980.5	1044.3	1117.9	1472.1	1904.6	2278.5	2588.5	2867.4	3004.0	3048.1	3084.8
-45°	944.6	969.4	1003.2	1068.0	1128.4	1451.3	1790.3	2094.8	2327.6	2522.5	2683.8
-47.5°	915.4	932.5	953.0	973.6	1002.9	1054.6	1101.7	1182.7	1429.8	1641.6	1816.7
-50°	864.8	903.7	918.7	932.9	949.4	965.8	980.6	1006.1	1040.2	1069.5	1093.6
-52.5°	777.6	823.8	866.9	901.5	913.6	924.8	934.9	946.6	957.3	966.4	974.0
-55°	676.9	725.2	770.8	809.4	843.8	875.4	900.4	908.7	916.0	922.2	927.3
-57.5°	569.1	617.0	661.2	700.3	736.5	769.6	797.4	820.8	841.2	858.6	873.0
-60°	459.4	501.9	543.0	581.5	617.0	649.6	676.9	701.2	722.5	740.6	755.6
-62.5°	353.4	389.4	425.7	459.4	490.6	519.6	546.3	570.0	590.7	608.4	622.9
-65°	262.4	291.4	318.5	343.8	367.3	392.9	416.1	436.7	454.7	470.0	482.6
-67.5°	178.0	201.5	223.6	244.1	264.2	283.2	300.4	315.6	328.9	340.2	349.5
-70°	107.5	122.9	137.3	152.4	169.1	184.4	198.1	210.3	220.9	230.0	237.4
-72.5°	56.9	63.4	71.0	82.7	93.4	103.2	112.0	119.8	126.6	132.4	137.2
-75°	29.1	31.9	37.1	42.0	46.4	50.5	54.1	57.4	60.2	62.6	64.6
-77.5°	19.9	21.3	22.6	23.8	24.9	25.9	26.8	27.6	28.3	28.9	29.4
-80°	14.1	14.7	15.3	15.9	16.4	16.9	17.3	17.7	18.0	18.3	18.5
-82.5°	9.2	9.6	10.0	10.4	10.7	11.0	11.3	11.5	11.7	11.9	12.0
-85°	5.6	5.7	5.8	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.5
-87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
85°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.3
82.5°	12.2	12.2	12.3	12.3	12.3	12.2	12.2	12.0	11.9	11.7	11.5
80°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.3	18.0	17.7
77.5°	29.8	30.1	30.2	30.3	30.2	30.1	29.8	29.4	28.9	28.3	27.6
75°	66.1	67.2	67.9	68.1	67.9	67.2	66.1	64.6	62.6	60.2	57.4
72.5°	140.9	143.6	145.2	145.7	145.2	143.6	140.9	137.2	132.4	126.6	119.8
70°	243.2	247.4	249.9	250.7	249.9	247.4	243.2	237.4	230.0	220.9	210.3
67.5°	356.7	361.9	365.1	366.1	365.1	361.9	356.7	349.5	340.2	328.9	315.6
65°	492.4	499.4	503.7	505.1	503.7	499.4	492.4	482.6	470.0	454.7	436.7
62.5°	634.2	642.4	647.3	648.9	647.3	642.4	634.2	622.9	608.4	590.7	570.0
60°	767.2	775.6	780.6	782.3	780.6	775.6	767.2	755.6	740.6	722.5	701.2
57.5°	884.2	892.2	897.1	898.7	897.1	892.2	884.2	873.0	858.6	841.2	820.8
55°	931.3	934.2	935.9	936.5	935.9	934.2	931.3	927.3	922.2	916.0	908.7
52.5°	979.9	984.2	986.7	987.6	986.7	984.2	979.9	974.0	966.4	957.3	946.6
50°	1112.5	1126.1	1134.3	1137.0	1134.3	1126.1	1112.5	1093.6	1069.5	1040.2	1006.1
47.5°	1954.0	2052.8	2112.3	2132.2	2112.3	2052.8	1954.0	1816.7	1641.6	1429.8	1182.7
45°	2810.5	2901.7	2956.7	2975.1	2956.7	2901.7	2810.5	2683.8	2522.5	2327.6	2094.8
42.5°	3113.6	3134.3	3146.8	3151.0	3146.8	3134.3	3113.6	3084.8	3048.1	3004.0	2867.4
40°	3232.4	3246.0	3254.2	3257.0	3254.2	3246.0	3232.4	3213.5	3189.5	3160.6	3111.3
37.5°	3281.7	3286.4	3289.2	3290.1	3289.2	3286.4	3281.7	3275.3	3267.1	3257.3	3221.7
35°	3177.3	3153.4	3138.9	3134.0	3138.9	3153.4	3177.3	3210.5	3252.3	3287.5	3275.2
32.5°	2924.8	2874.2	2843.5	2833.2	2843.5	2874.2	2924.8	2994.6	3082.7	3161.9	3224.7
30°	2782.2	2768.0	2759.4	2756.5	2759.4	2768.0	2782.2	2801.8	2826.3	2920.5	3051.7
27.5°	2874.3	2912.6	2936.0	2943.8	2936.0	2912.6	2874.3	2821.8	2756.6	2788.5	2824.8
25°	3237.2	3350.7	3420.0	3443.3	3420.0	3350.7	3237.2	3082.5	2923.6	2838.6	2762.3
22.5°	5518.7	6498.3	7099.3	7301.9	7099.3	6498.3	5518.7	4190.0	3327.3	3078.9	2889.7
20°	12621.9	15808.9	17775.4	18440.6	17775.4	15808.9	12621.9	8332.3	5838.0	3730.0	3176.2
17.5°	25034.9	30368.0	33686.0	34813.3	33686.0	30368.0	25034.9	18094.3	12240.9	6692.3	4132.9
15°	44555.1	56461.2	63957.5	66522.0	63957.5	56461.2	44555.1	31775.4	22152.1	13581.5	6692.3
12.5°	74310.3	94435.4	108945.5	114451.2	108945.5	94435.4	74310.3	54372.2	34112.8	22152.1	12240.9
10°	114969.6	148668.9	173880.4	182885.9	173880.4	148668.9	114969.6	81878.2	54372.2	31775.4	18094.3
7.5°	165405.3	210698.5	242524.1	253359.8	242524.1	210698.5	165405.3	114969.6	74310.3	44555.1	25034.9
5°	210698.5	265001.0	301321.9	314758.0	301321.9	265001.0	210698.5	148668.9	94435.4	56461.2	30368.0
2.5°	242524.1	301321.9	344419.5	364854.8	344419.5	301321.9	242524.1	173880.4	108945.5	63957.5	33686.0
0°	253359.8	314758.0	364854.8	395027.7	364854.8	314758.0	253359.8	182885.9	114451.2	66522.0	34813.3
-2.5°	242524.1	301321.9	344419.5	364854.8	344419.5	301321.9	242524.1	173880.4	108945.5	63957.5	33686.0
-5°	210698.5	265001.0	301321.9	314758.0	301321.9	265001.0	210698.5	148668.9	94435.4	56461.2	30368.0
-7.5°	165405.3	210698.5	242524.1	253359.8	242524.1	210698.5	165405.3	114969.6	74310.3	44555.1	25034.9
-10°	114969.6	148668.9	173880.4	182885.9	173880.4	148668.9	114969.6	81878.2	54372.2	31775.4	18094.3
-12.5°	74310.3	94435.4	108945.5	114451.2	108945.5	94435.4	74310.3	54372.2	34112.8	22152.1	12240.9
-15°	44555.1	56461.2	63957.5	66522.0	63957.5	56461.2	44555.1	31775.4	22152.1	13581.5	6692.3
-17.5°	25034.9	30368.0	33686.0	34813.3	33686.0	30368.0	25034.9	18094.3	12240.9	6692.3	4132.9
-20°	12621.9	15808.9	17775.4	18440.6	17775.4	15808.9	12621.9	8332.3	5838.0	3730.0	3176.2



REPORT NUMBER: P701421 (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°	5518.7	6498.3	7099.3	7301.9	7099.3	6498.3	5518.7	4190.0	3327.3	3078.9	2889.7
-25°	3237.2	3350.7	3420.0	3443.3	3420.0	3350.7	3237.2	3082.5	2923.6	2838.6	2762.3
-27.5°	2874.3	2912.6	2936.0	2943.8	2936.0	2912.6	2874.3	2821.8	2756.6	2788.5	2824.8
-30°	2782.2	2768.0	2759.4	2756.5	2759.4	2768.0	2782.2	2801.8	2826.3	2920.5	3051.7
-32.5°	2924.8	2874.2	2843.5	2833.2	2843.5	2874.2	2924.8	2994.6	3082.7	3161.9	3224.7
-35°	3177.3	3153.4	3138.9	3134.0	3138.9	3153.4	3177.3	3210.5	3252.3	3287.5	3275.2
-37.5°	3281.7	3286.4	3289.2	3290.1	3289.2	3286.4	3281.7	3275.3	3267.1	3257.3	3221.7
-40°	3232.4	3246.0	3254.2	3257.0	3254.2	3246.0	3232.4	3213.5	3189.5	3160.6	3111.3
-42.5°	3113.6	3134.3	3146.8	3151.0	3146.8	3134.3	3113.6	3084.8	3048.1	3004.0	2867.4
-45°	2810.5	2901.7	2956.7	2975.1	2956.7	2901.7	2810.5	2683.8	2522.5	2327.6	2094.8
-47.5°	1954.0	2052.8	2112.3	2132.2	2112.3	2052.8	1954.0	1816.7	1641.6	1429.8	1182.7
-50°	1112.5	1126.1	1134.3	1137.0	1134.3	1126.1	1112.5	1093.6	1069.5	1040.2	1006.1
-52.5°	979.9	984.2	986.7	987.6	986.7	984.2	979.9	974.0	966.4	957.3	946.6
-55°	931.3	934.2	935.9	936.5	935.9	934.2	931.3	927.3	922.2	916.0	908.7
-57.5°	884.2	892.2	897.1	898.7	897.1	892.2	884.2	873.0	858.6	841.2	820.8
-60°	767.2	775.6	780.6	782.3	780.6	775.6	767.2	755.6	740.6	722.5	701.2
-62.5°	634.2	642.4	647.3	648.9	647.3	642.4	634.2	622.9	608.4	590.7	570.0
-65°	492.4	499.4	503.7	505.1	503.7	499.4	492.4	482.6	470.0	454.7	436.7
-67.5°	356.7	361.9	365.1	366.1	365.1	361.9	356.7	349.5	340.2	328.9	315.6
-70°	243.2	247.4	249.9	250.7	249.9	247.4	243.2	237.4	230.0	220.9	210.3
-72.5°	140.9	143.6	145.2	145.7	145.2	143.6	140.9	137.2	132.4	126.6	119.8
-75°	66.1	67.2	67.9	68.1	67.9	67.2	66.1	64.6	62.6	60.2	57.4
-77.5°	29.8	30.1	30.2	30.3	30.2	30.1	29.8	29.4	28.9	28.3	27.6
-80°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.3	18.0	17.7
-82.5°	12.2	12.2	12.3	12.3	12.3	12.2	12.2	12.0	11.9	11.7	11.5
-85°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.3
-87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
85°	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.4	5.3	5.1	5.0
82.5°	11.3	11.0	10.7	10.4	10.0	9.6	9.2	8.8	8.3	7.8	7.3
80°	17.3	16.9	16.4	15.9	15.3	14.7	14.1	13.4	12.7	12.0	11.3
77.5°	26.8	25.9	24.9	23.8	22.6	21.3	19.9	18.6	17.7	16.7	15.7
75°	54.1	50.5	46.4	42.0	37.1	31.9	29.1	27.3	25.4	23.5	21.4
72.5°	112.0	103.2	93.4	82.7	71.0	63.4	56.9	50.0	42.7	35.0	29.3
70°	198.1	184.4	169.1	152.4	137.3	122.9	107.5	91.2	74.0	62.1	52.9
67.5°	300.4	283.2	264.2	244.1	223.6	201.5	178.0	153.0	131.6	111.2	89.8
65°	416.1	392.9	367.3	343.8	318.5	291.4	262.4	233.5	204.1	173.2	142.2
62.5°	546.3	519.6	490.6	459.4	425.7	389.4	353.4	319.5	283.7	246.6	211.1
60°	676.9	649.6	617.0	581.5	543.0	501.9	459.4	414.5	367.3	326.0	283.2
57.5°	797.4	769.6	736.5	700.3	661.2	617.0	569.1	518.4	466.5	412.6	358.2
55°	900.4	875.4	843.8	809.4	770.8	725.2	676.9	624.1	566.3	506.1	445.5
52.5°	934.9	924.8	913.6	901.5	866.9	823.8	777.6	722.5	664.7	601.1	533.7
50°	980.6	965.8	949.4	932.9	918.7	903.7	864.8	813.1	755.6	691.0	622.1
47.5°	1101.7	1054.6	1002.9	973.6	953.0	932.5	915.4	894.5	836.6	775.6	704.2
45°	1790.3	1451.3	1128.4	1068.0	1003.2	969.4	944.6	923.3	903.2	848.5	782.3
42.5°	2588.5	2278.5	1904.6	1472.1	1117.9	1044.3	980.5	952.8	927.2	905.2	848.5
40°	3048.4	2978.7	2627.6	2234.6	1758.3	1235.1	1069.3	986.1	955.5	927.2	903.2
37.5°	3180.8	3125.3	3043.6	2882.6	2435.0	1932.4	1348.9	1077.6	986.1	952.8	923.3
35°	3261.4	3222.3	3169.5	3087.8	2988.2	2536.3	1990.9	1348.9	1069.3	980.5	944.6
32.5°	3289.1	3272.7	3250.7	3190.3	3110.2	2999.1	2536.3	1932.4	1235.1	1044.3	969.4
30°	3167.2	3250.1	3279.6	3259.5	3197.2	3110.2	2988.2	2435.0	1758.3	1117.9	1003.2
27.5°	2958.1	3129.9	3227.4	3282.0	3259.5	3190.3	3087.8	2882.6	2234.6	1472.1	1068.0
25°	2805.8	2910.4	3107.0	3227.4	3279.6	3250.7	3169.5	3043.6	2627.6	1904.6	1128.4
22.5°	2774.9	2799.4	2910.4	3129.9	3250.1	3272.7	3222.3	3125.3	2978.7	2278.5	1451.3
20°	2907.0	2774.9	2805.8	2958.1	3167.2	3289.1	3261.4	3180.8	3048.4	2588.5	1790.3
17.5°	3176.2	2889.7	2762.3	2824.8	3051.7	3224.7	3275.2	3221.7	3111.3	2867.4	2094.8
15°	3730.0	3078.9	2838.6	2788.5	2920.5	3161.9	3287.5	3257.3	3160.6	3004.0	2327.6
12.5°	5838.0	3327.3	2923.6	2756.6	2826.3	3082.7	3252.3	3267.1	3189.5	3048.1	2522.5
10°	8332.3	4190.0	3082.5	2821.8	2801.8	2994.6	3210.5	3275.3	3213.5	3084.8	2683.8
7.5°	12621.9	5518.7	3237.2	2874.3	2782.2	2924.8	3177.3	3281.7	3232.4	3113.6	2810.5
5°	15808.9	6498.3	3350.7	2912.6	2768.0	2874.2	3153.4	3286.4	3246.0	3134.3	2901.7
2.5°	17775.4	7099.3	3420.0	2936.0	2759.4	2843.5	3138.9	3289.2	3254.2	3146.8	2956.7
0°	18440.6	7301.9	3443.3	2943.8	2756.5	2833.2	3134.0	3290.1	3257.0	3151.0	2975.1
-2.5°	17775.4	7099.3	3420.0	2936.0	2759.4	2843.5	3138.9	3289.2	3254.2	3146.8	2956.7
-5°	15808.9	6498.3	3350.7	2912.6	2768.0	2874.2	3153.4	3286.4	3246.0	3134.3	2901.7
-7.5°	12621.9	5518.7	3237.2	2874.3	2782.2	2924.8	3177.3	3281.7	3232.4	3113.6	2810.5
-10°	8332.3	4190.0	3082.5	2821.8	2801.8	2994.6	3210.5	3275.3	3213.5	3084.8	2683.8
-12.5°	5838.0	3327.3	2923.6	2756.6	2826.3	3082.7	3252.3	3267.1	3189.5	3048.1	2522.5
-15°	3730.0	3078.9	2838.6	2788.5	2920.5	3161.9	3287.5	3257.3	3160.6	3004.0	2327.6
-17.5°	3176.2	2889.7	2762.3	2824.8	3051.7	3224.7	3275.2	3221.7	3111.3	2867.4	2094.8
-20°	2907.0	2774.9	2805.8	2958.1	3167.2	3289.1	3261.4	3180.8	3048.4	2588.5	1790.3



REPORT NUMBER: P701421 (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°	2774.9	2799.4	2910.4	3129.9	3250.1	3272.7	3222.3	3125.3	2978.7	2278.5	1451.3
-25°	2805.8	2910.4	3107.0	3227.4	3279.6	3250.7	3169.5	3043.6	2627.6	1904.6	1128.4
-27.5°	2958.1	3129.9	3227.4	3282.0	3259.5	3190.3	3087.8	2882.6	2234.6	1472.1	1068.0
-30°	3167.2	3250.1	3279.6	3259.5	3197.2	3110.2	2988.2	2435.0	1758.3	1117.9	1003.2
-32.5°	3289.1	3272.7	3250.7	3190.3	3110.2	2999.1	2536.3	1932.4	1235.1	1044.3	969.4
-35°	3261.4	3222.3	3169.5	3087.8	2988.2	2536.3	1990.9	1348.9	1069.3	980.5	944.6
-37.5°	3180.8	3125.3	3043.6	2882.6	2435.0	1932.4	1348.9	1077.6	986.1	952.8	923.3
-40°	3048.4	2978.7	2627.6	2234.6	1758.3	1235.1	1069.3	986.1	955.5	927.2	903.2
-42.5°	2588.5	2278.5	1904.6	1472.1	1117.9	1044.3	980.5	952.8	927.2	905.2	848.5
-45°	1790.3	1451.3	1128.4	1068.0	1003.2	969.4	944.6	923.3	903.2	848.5	782.3
-47.5°	1101.7	1054.6	1002.9	973.6	953.0	932.5	915.4	894.5	836.6	775.6	704.2
-50°	980.6	965.8	949.4	932.9	918.7	903.7	864.8	813.1	755.6	691.0	622.1
-52.5°	934.9	924.8	913.6	901.5	866.9	823.8	777.6	722.5	664.7	601.1	533.7
-55°	900.4	875.4	843.8	809.4	770.8	725.2	676.9	624.1	566.3	506.1	445.5
-57.5°	797.4	769.6	736.5	700.3	661.2	617.0	569.1	518.4	466.5	412.6	358.2
-60°	676.9	649.6	617.0	581.5	543.0	501.9	459.4	414.5	367.3	326.0	283.2
-62.5°	546.3	519.6	490.6	459.4	425.7	389.4	353.4	319.5	283.7	246.6	211.1
-65°	416.1	392.9	367.3	343.8	318.5	291.4	262.4	233.5	204.1	173.2	142.2
-67.5°	300.4	283.2	264.2	244.1	223.6	201.5	178.0	153.0	131.6	111.2	89.8
-70°	198.1	184.4	169.1	152.4	137.3	122.9	107.5	91.2	74.0	62.1	52.9
-72.5°	112.0	103.2	93.4	82.7	71.0	63.4	56.9	50.0	42.7	35.0	29.3
-75°	54.1	50.5	46.4	42.0	37.1	31.9	29.1	27.3	25.4	23.5	21.4
-77.5°	26.8	25.9	24.9	23.8	22.6	21.3	19.9	18.6	17.7	16.7	15.7
-80°	17.3	16.9	16.4	15.9	15.3	14.7	14.1	13.4	12.7	12.0	11.3
-82.5°	11.3	11.0	10.7	10.4	10.0	9.6	9.2	8.8	8.3	7.8	7.3
-85°	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.4	5.3	5.1	5.0
-87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
85°	4.8	4.6	4.4	4.2	4.0	3.8	3.5	3.2	2.9	2.6	2.3
82.5°	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.5	4.2	3.9	3.4
80°	10.6	9.8	9.0	8.2	7.4	6.6	6.2	5.7	5.3	4.8	4.4
77.5°	14.7	13.6	12.5	11.5	10.4	9.4	8.3	7.2	6.3	5.8	5.2
75°	19.2	17.8	16.4	15.0	13.6	12.2	10.8	9.5	8.2	6.8	6.0
72.5°	26.7	24.1	21.4	18.7	17.0	15.3	13.6	11.8	10.3	8.7	7.0
70°	43.3	33.3	28.1	24.9	21.6	18.5	16.5	14.4	12.4	10.5	8.7
67.5°	67.8	56.6	45.0	33.0	27.4	23.6	19.7	17.1	14.7	12.4	10.3
65°	117.4	91.8	66.7	53.4	39.7	28.9	24.6	20.2	17.1	14.4	11.8
62.5°	174.1	138.4	109.2	79.2	58.5	43.1	29.4	24.6	19.7	16.5	13.6
60°	239.9	198.1	155.0	119.8	86.2	60.2	43.1	28.9	23.6	18.5	15.3
57.5°	310.0	260.1	212.6	164.6	123.3	86.2	58.5	39.7	27.4	21.6	17.0
55°	382.7	326.2	270.9	217.4	164.6	119.8	79.2	53.4	33.0	24.9	18.7
52.5°	465.3	395.9	331.6	270.9	212.6	155.0	109.2	66.7	45.0	28.1	21.4
50°	547.6	472.0	395.9	326.2	260.1	198.1	138.4	91.8	56.6	33.3	24.1
47.5°	629.1	547.6	465.3	382.7	310.0	239.9	174.1	117.4	67.8	43.3	26.7
45°	704.2	622.1	533.7	445.5	358.2	283.2	211.1	142.2	89.8	52.9	29.3
42.5°	775.6	691.0	601.1	506.1	412.6	326.0	246.6	173.2	111.2	62.1	35.0
40°	836.6	755.6	664.7	566.3	466.5	367.3	283.7	204.1	131.6	74.0	42.7
37.5°	894.5	813.1	722.5	624.1	518.4	414.5	319.5	233.5	153.0	91.2	50.0
35°	915.4	864.8	777.6	676.9	569.1	459.4	353.4	262.4	178.0	107.5	56.9
32.5°	932.5	903.7	823.8	725.2	617.0	501.9	389.4	291.4	201.5	122.9	63.4
30°	953.0	918.7	866.9	770.8	661.2	543.0	425.7	318.5	223.6	137.3	71.0
27.5°	973.6	932.9	901.5	809.4	700.3	581.5	459.4	343.8	244.1	152.4	82.7
25°	1002.9	949.4	913.6	843.8	736.5	617.0	490.6	367.3	264.2	169.1	93.4
22.5°	1054.6	965.8	924.8	875.4	769.6	649.6	519.6	392.9	283.2	184.4	103.2
20°	1101.7	980.6	934.9	900.4	797.4	676.9	546.3	416.1	300.4	198.1	112.0
17.5°	1182.7	1006.1	946.6	908.7	820.8	701.2	570.0	436.7	315.6	210.3	119.8
15°	1429.8	1040.2	957.3	916.0	841.2	722.5	590.7	454.7	328.9	220.9	126.6
12.5°	1641.6	1069.5	966.4	922.2	858.6	740.6	608.4	470.0	340.2	230.0	132.4
10°	1816.7	1093.6	974.0	927.3	873.0	755.6	622.9	482.6	349.5	237.4	137.2
7.5°	1954.0	1112.5	979.9	931.3	884.2	767.2	634.2	492.4	356.7	243.2	140.9
5°	2052.8	1126.1	984.2	934.2	892.2	775.6	642.4	499.4	361.9	247.4	143.6
2.5°	2112.3	1134.3	986.7	935.9	897.1	780.6	647.3	503.7	365.1	249.9	145.2
0°	2132.2	1137.0	987.6	936.5	898.7	782.3	648.9	505.1	366.1	250.7	145.7
-2.5°	2112.3	1134.3	986.7	935.9	897.1	780.6	647.3	503.7	365.1	249.9	145.2
-5°	2052.8	1126.1	984.2	934.2	892.2	775.6	642.4	499.4	361.9	247.4	143.6
-7.5°	1954.0	1112.5	979.9	931.3	884.2	767.2	634.2	492.4	356.7	243.2	140.9
-10°	1816.7	1093.6	974.0	927.3	873.0	755.6	622.9	482.6	349.5	237.4	137.2
-12.5°	1641.6	1069.5	966.4	922.2	858.6	740.6	608.4	470.0	340.2	230.0	132.4
-15°	1429.8	1040.2	957.3	916.0	841.2	722.5	590.7	454.7	328.9	220.9	126.6
-17.5°	1182.7	1006.1	946.6	908.7	820.8	701.2	570.0	436.7	315.6	210.3	119.8
-20°	1101.7	980.6	934.9	900.4	797.4	676.9	546.3	416.1	300.4	198.1	112.0



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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°	1054.6	965.8	924.8	875.4	769.6	649.6	519.6	392.9	283.2	184.4	103.2
-25°	1002.9	949.4	913.6	843.8	736.5	617.0	490.6	367.3	264.2	169.1	93.4
-27.5°	973.6	932.9	901.5	809.4	700.3	581.5	459.4	343.8	244.1	152.4	82.7
-30°	953.0	918.7	866.9	770.8	661.2	543.0	425.7	318.5	223.6	137.3	71.0
-32.5°	932.5	903.7	823.8	725.2	617.0	501.9	389.4	291.4	201.5	122.9	63.4
-35°	915.4	864.8	777.6	676.9	569.1	459.4	353.4	262.4	178.0	107.5	56.9
-37.5°	894.5	813.1	722.5	624.1	518.4	414.5	319.5	233.5	153.0	91.2	50.0
-40°	836.6	755.6	664.7	566.3	466.5	367.3	283.7	204.1	131.6	74.0	42.7
-42.5°	775.6	691.0	601.1	506.1	412.6	326.0	246.6	173.2	111.2	62.1	35.0
-45°	704.2	622.1	533.7	445.5	358.2	283.2	211.1	142.2	89.8	52.9	29.3
-47.5°	629.1	547.6	465.3	382.7	310.0	239.9	174.1	117.4	67.8	43.3	26.7
-50°	547.6	472.0	395.9	326.2	260.1	198.1	138.4	91.8	56.6	33.3	24.1
-52.5°	465.3	395.9	331.6	270.9	212.6	155.0	109.2	66.7	45.0	28.1	21.4
-55°	382.7	326.2	270.9	217.4	164.6	119.8	79.2	53.4	33.0	24.9	18.7
-57.5°	310.0	260.1	212.6	164.6	123.3	86.2	58.5	39.7	27.4	21.6	17.0
-60°	239.9	198.1	155.0	119.8	86.2	60.2	43.1	28.9	23.6	18.5	15.3
-62.5°	174.1	138.4	109.2	79.2	58.5	43.1	29.4	24.6	19.7	16.5	13.6
-65°	117.4	91.8	66.7	53.4	39.7	28.9	24.6	20.2	17.1	14.4	11.8
-67.5°	67.8	56.6	45.0	33.0	27.4	23.6	19.7	17.1	14.7	12.4	10.3
-70°	43.3	33.3	28.1	24.9	21.6	18.5	16.5	14.4	12.4	10.5	8.7
-72.5°	26.7	24.1	21.4	18.7	17.0	15.3	13.6	11.8	10.3	8.7	7.0
-75°	19.2	17.8	16.4	15.0	13.6	12.2	10.8	9.5	8.2	6.8	6.0
-77.5°	14.7	13.6	12.5	11.5	10.4	9.4	8.3	7.2	6.3	5.8	5.2
-80°	10.6	9.8	9.0	8.2	7.4	6.6	6.2	5.7	5.3	4.8	4.4
-82.5°	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.5	4.2	3.9	3.4
-85°	4.8	4.6	4.4	4.2	4.0	3.8	3.5	3.2	2.9	2.6	2.3
-87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
77.5°	4.6	4.0	3.3	2.5	1.6	0.8	0.0
75°	5.3	4.6	3.9	2.9	2.0	1.0	0.0
72.5°	6.0	5.2	4.4	3.4	2.3	1.1	0.0
70°	6.8	5.8	4.8	3.9	2.6	1.3	0.0
67.5°	8.2	6.3	5.3	4.2	2.9	1.5	0.0
65°	9.5	7.2	5.7	4.5	3.2	1.6	0.0
62.5°	10.8	8.3	6.2	4.9	3.5	1.8	0.0
60°	12.2	9.4	6.6	5.2	3.8	1.9	0.0
57.5°	13.6	10.4	7.4	5.5	4.0	2.0	0.0
55°	15.0	11.5	8.2	5.8	4.2	2.2	0.0
52.5°	16.4	12.5	9.0	6.1	4.4	2.3	0.0
50°	17.8	13.6	9.8	6.4	4.6	2.4	0.0
47.5°	19.2	14.7	10.6	6.7	4.8	2.6	0.0
45°	21.4	15.7	11.3	7.3	5.0	2.7	0.0
42.5°	23.5	16.7	12.0	7.8	5.1	2.8	0.0
40°	25.4	17.7	12.7	8.3	5.3	2.9	0.0
37.5°	27.3	18.6	13.4	8.8	5.4	3.0	0.0
35°	29.1	19.9	14.1	9.2	5.6	3.1	0.0
32.5°	31.9	21.3	14.7	9.6	5.7	3.2	0.0
30°	37.1	22.6	15.3	10.0	5.8	3.3	0.0
27.5°	42.0	23.8	15.9	10.4	6.0	3.4	0.0
25°	46.4	24.9	16.4	10.7	6.1	3.4	0.0
22.5°	50.5	25.9	16.9	11.0	6.2	3.5	0.0
20°	54.1	26.8	17.3	11.3	6.3	3.6	0.0
17.5°	57.4	27.6	17.7	11.5	6.3	3.6	0.0
15°	60.2	28.3	18.0	11.7	6.4	3.7	0.0
12.5°	62.6	28.9	18.3	11.9	6.5	3.7	0.0
10°	64.6	29.4	18.5	12.0	6.5	3.7	0.0
7.5°	66.1	29.8	18.7	12.2	6.6	3.8	0.0
5°	67.2	30.1	18.8	12.2	6.6	3.8	0.0
2.5°	67.9	30.2	18.9	12.3	6.6	3.8	0.0
0°	68.1	30.3	18.9	12.3	6.6	3.8	0.0
-2.5°	67.9	30.2	18.9	12.3	6.6	3.8	0.0
-5°	67.2	30.1	18.8	12.2	6.6	3.8	0.0
-7.5°	66.1	29.8	18.7	12.2	6.6	3.8	0.0
-10°	64.6	29.4	18.5	12.0	6.5	3.7	0.0
-12.5°	62.6	28.9	18.3	11.9	6.5	3.7	0.0
-15°	60.2	28.3	18.0	11.7	6.4	3.7	0.0
-17.5°	57.4	27.6	17.7	11.5	6.3	3.6	0.0
-20°	54.1	26.8	17.3	11.3	6.3	3.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.5	25.9	16.9	11.0	6.2	3.5	0.0
-25°	46.4	24.9	16.4	10.7	6.1	3.4	0.0
-27.5°	42.0	23.8	15.9	10.4	6.0	3.4	0.0
-30°	37.1	22.6	15.3	10.0	5.8	3.3	0.0
-32.5°	31.9	21.3	14.7	9.6	5.7	3.2	0.0
-35°	29.1	19.9	14.1	9.2	5.6	3.1	0.0
-37.5°	27.3	18.6	13.4	8.8	5.4	3.0	0.0
-40°	25.4	17.7	12.7	8.3	5.3	2.9	0.0
-42.5°	23.5	16.7	12.0	7.8	5.1	2.8	0.0
-45°	21.4	15.7	11.3	7.3	5.0	2.7	0.0
-47.5°	19.2	14.7	10.6	6.7	4.8	2.6	0.0
-50°	17.8	13.6	9.8	6.4	4.6	2.4	0.0
-52.5°	16.4	12.5	9.0	6.1	4.4	2.3	0.0
-55°	15.0	11.5	8.2	5.8	4.2	2.2	0.0
-57.5°	13.6	10.4	7.4	5.5	4.0	2.0	0.0
-60°	12.2	9.4	6.6	5.2	3.8	1.9	0.0
-62.5°	10.8	8.3	6.2	4.9	3.5	1.8	0.0
-65°	9.5	7.2	5.7	4.5	3.2	1.6	0.0
-67.5°	8.2	6.3	5.3	4.2	2.9	1.5	0.0
-70°	6.8	5.8	4.8	3.9	2.6	1.3	0.0
-72.5°	6.0	5.2	4.4	3.4	2.3	1.1	0.0
-75°	5.3	4.6	3.9	2.9	2.0	1.0	0.0
-77.5°	4.6	4.0	3.3	2.5	1.6	0.8	0.0
-80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
-87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

