

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: P701488 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-2S-HEG-S**

Issue Date: 8/15/2023

Test Information

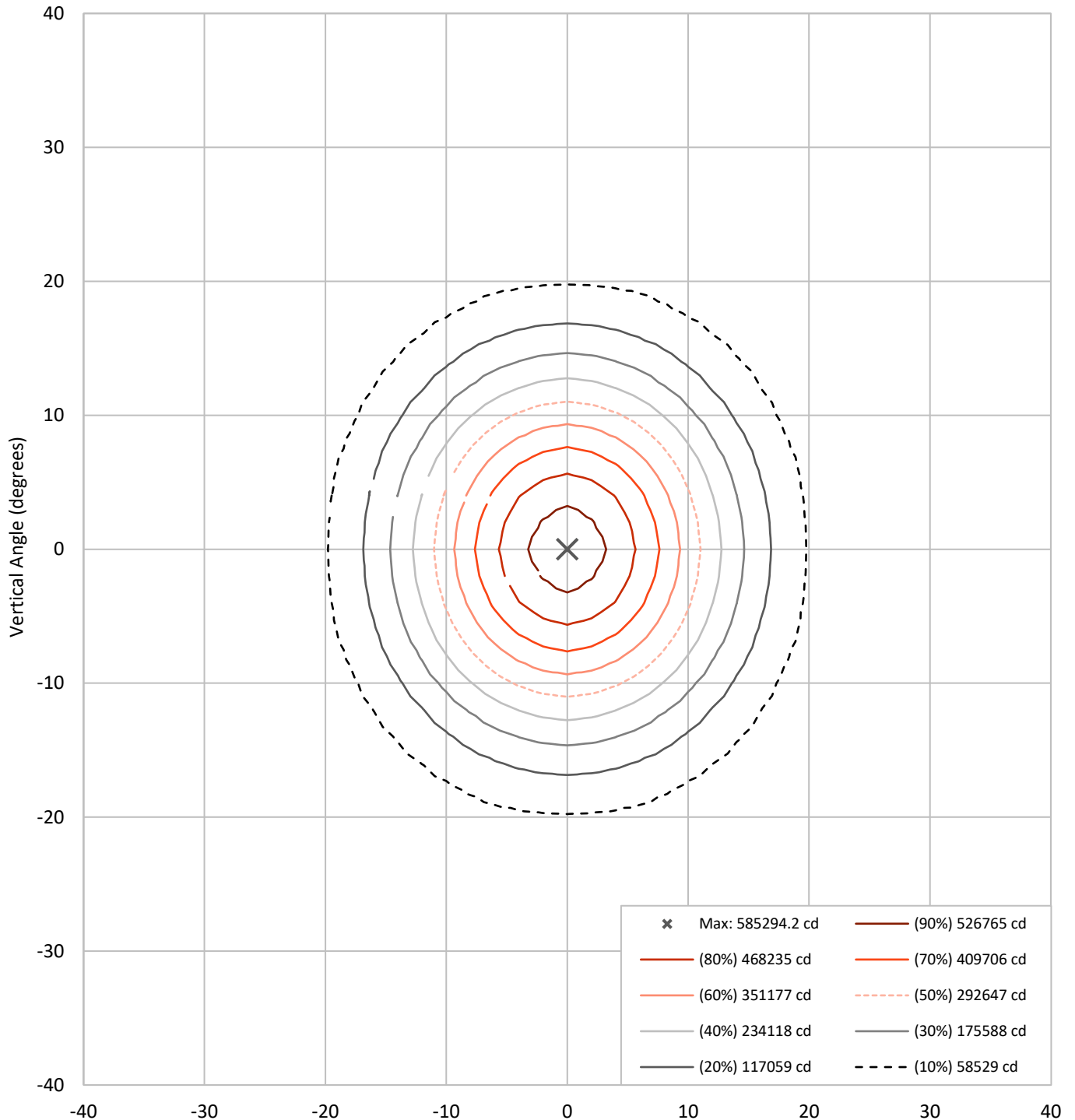
Test Method: LM-79-08
Report Number: P701488 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-2S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	105430 lumens	Max Intensity:	585294.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	149.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	46596.6 lumens	Field Lumens:	86540.9 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%
Input Watts (W):	703.6		
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





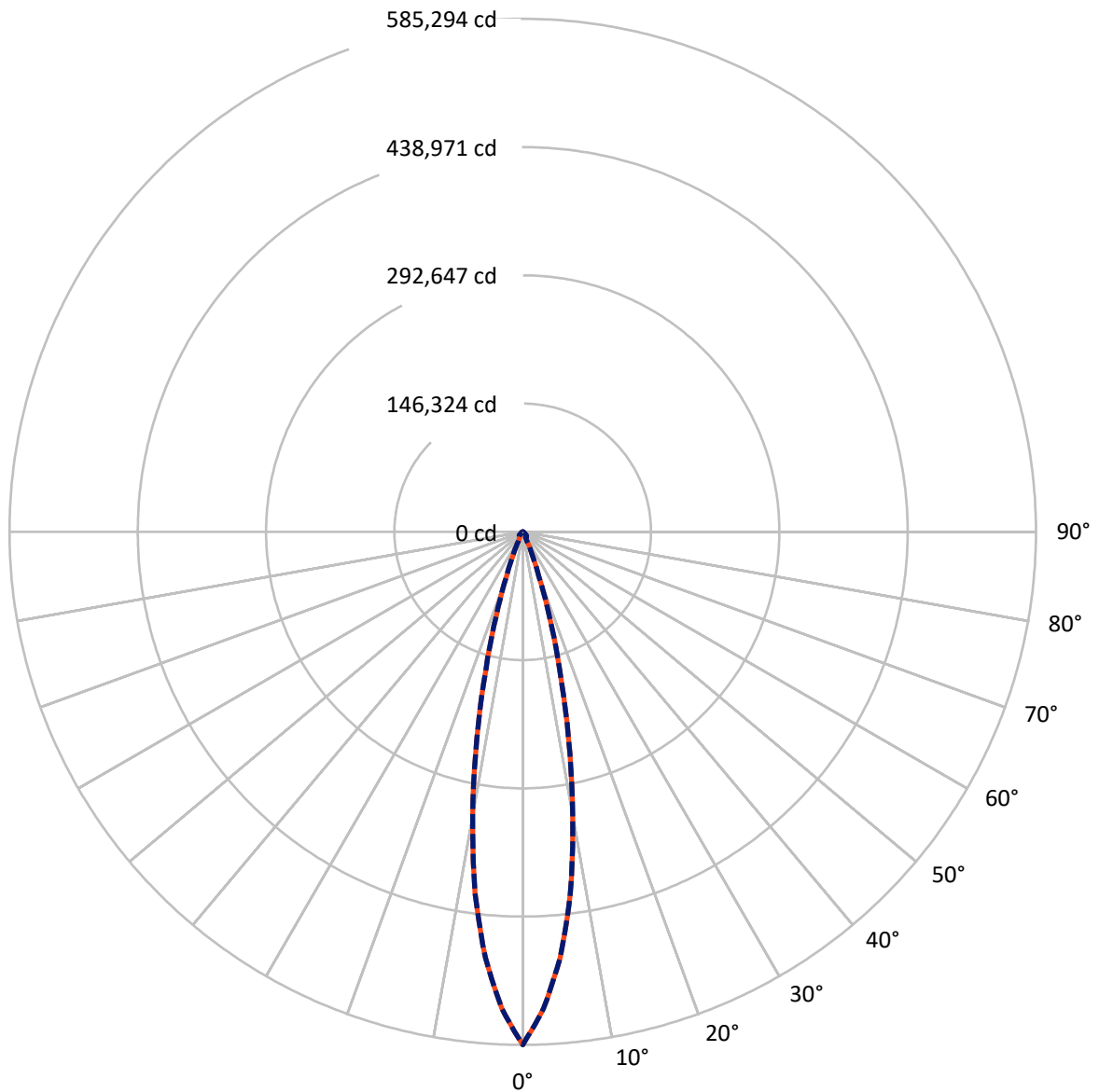
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Lumen Table

90																
80	0.2	1.1		3.7		9.3		12.2		9.3		3.7		1.1		0.2
70																
60	0.5	0.6	2.2	6.6	13.2	20.3	26.2	29.4	29.4	26.2	20.3	13.2	6.6	2.2	0.6	0.5
50		1.7	7.8	18.8	32.4	45.1	53.7	58.2	58.2	53.7	45.1	32.4	18.8	7.8	1.7	
40	1.2	4.1	15.3	32.6	49.6	80.4	123.0	147.3	147.3	123.0	80.4	49.6	32.6	15.3	4.1	1.2
30		7.0	22.9	42.9	94.8	162.7	190.6	200.4	200.4	190.6	162.7	94.8	42.9	22.9	7.0	
20	2.7	9.8	28.8	63.4	147.2	183.2	250.4	511.1	511.1	250.4	183.2	147.2	63.4	28.8	9.8	2.7
10		11.8	32.1	91.3	161.8	235.7	1491.1	4418.5	4418.5	1491.1	235.7	161.8	91.3	32.1	11.8	
0	3.4	12.9	33.7	105.8	164.9	471.1	4306.3	12110.6	12110.6	4306.3	471.1	164.9	105.8	33.7	12.9	3.4
-10		12.9	33.7	105.8	164.9	471.1	4306.3	12110.6	12110.6	4306.3	471.1	164.9	105.8	33.7	12.9	
-20	2.7	11.8	32.1	91.3	161.8	235.7	1491.1	4418.5	4418.5	1491.1	235.7	161.8	91.3	32.1	11.8	2.7
-30		9.8	28.8	63.4	147.2	183.2	250.4	511.1	511.1	250.4	183.2	147.2	63.4	28.8	9.8	
-40	1.2	7.0	22.9	42.9	94.8	162.7	190.6	200.4	200.4	190.6	162.7	94.8	42.9	22.9	7.0	1.2
-50		4.1	15.3	32.6	49.6	80.4	123.0	147.3	147.3	123.0	80.4	49.6	32.6	15.3	4.1	
-60	0.5	1.7	7.8	18.8	32.4	45.1	53.7	58.2	58.2	53.7	45.1	32.4	18.8	7.8	1.7	0.5
-70		0.6	2.2	6.6	13.2	20.3	26.2	29.4	29.4	26.2	20.3	13.2	6.6	2.2	0.6	
-80																
-90	0.2	1.1		3.7		9.3		12.2		9.3		3.7		1.1		0.2

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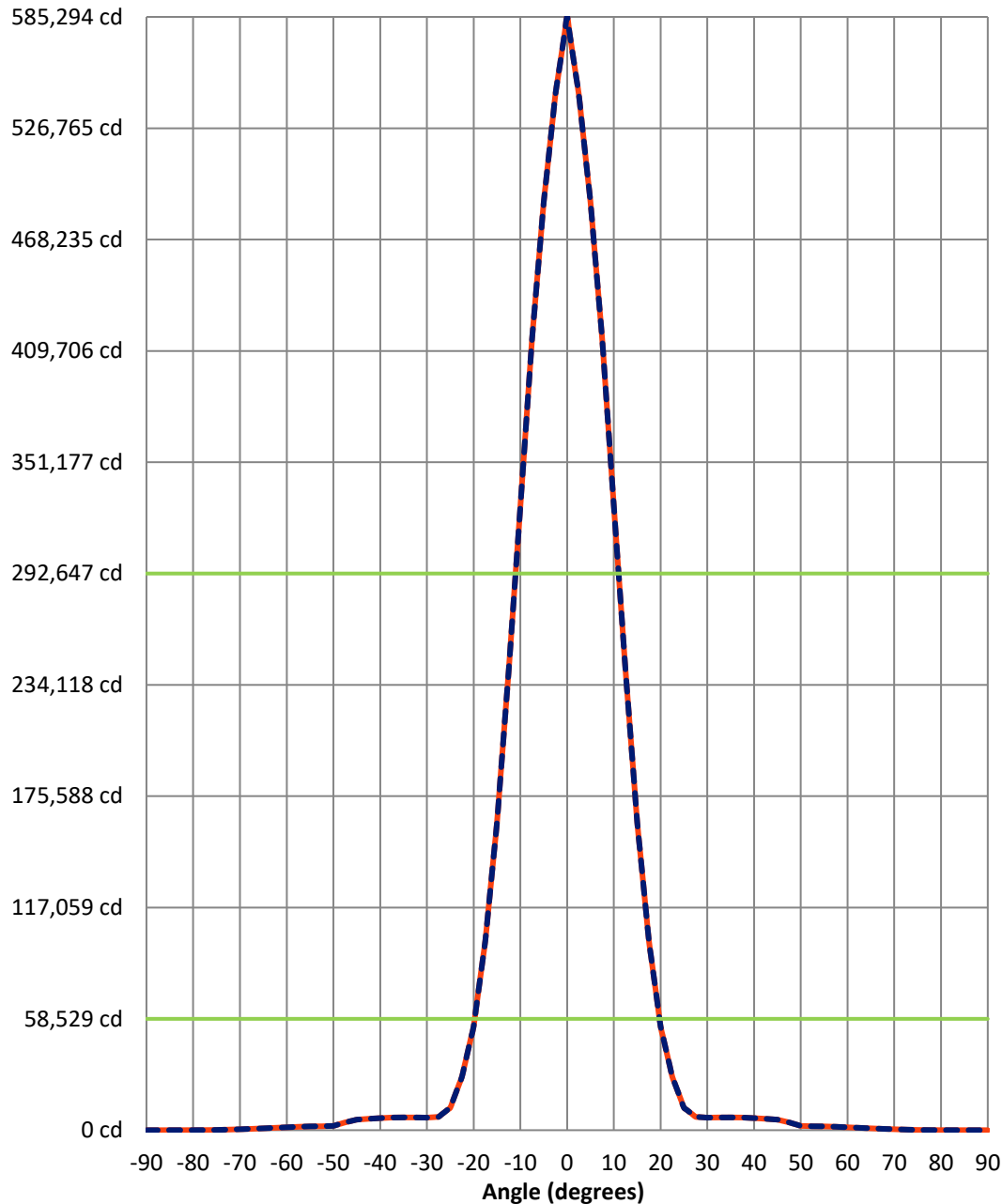
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22°
 V Angle: 22°
 Lumens: 46596.6
 Efficiency: 44.2%

Field:
 H Angle: 39.6°
 V Angle: 39.6°
 Lumens: 86540.9
 Efficiency: 82.1%

Spill:
 Lumens: 18889
 Efficiency: 17.9%

— 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°	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	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.7	4.2	4.6
85°	0.0	0.9	1.9	2.8	3.8	4.7	5.6	6.5	7.4	8.3	9.2
82.5°	0.0	1.4	2.8	4.3	5.7	7.1	8.4	9.8	11.0	11.7	12.4
80°	0.0	1.9	3.8	5.7	7.5	9.4	11.1	12.0	12.9	13.8	14.7
77.5°	0.0	2.4	4.7	7.1	9.4	11.3	12.5	13.6	14.7	15.9	17.1
75°	0.0	2.8	5.6	8.4	11.1	12.5	13.9	15.2	16.6	18.4	20.1
72.5°	0.0	3.3	6.5	9.8	12.0	13.6	15.2	16.9	19.0	21.1	23.1
70°	0.0	3.7	7.4	11.0	12.9	14.7	16.6	19.0	21.4	23.8	27.8
67.5°	0.0	4.2	8.3	11.7	13.8	15.9	18.4	21.1	23.8	28.4	32.9
65°	0.0	4.6	9.2	12.4	14.7	17.1	20.1	23.1	27.8	32.9	38.9
62.5°	0.0	5.0	10.1	13.0	15.5	18.5	21.8	26.1	31.8	38.0	47.4
60°	0.0	5.4	10.9	13.6	16.4	19.9	23.5	29.5	35.6	45.4	55.7
57.5°	0.0	5.9	11.3	14.2	17.4	21.3	26.2	32.8	41.6	52.7	76.9
55°	0.0	6.3	11.7	14.8	18.5	22.6	29.0	36.1	47.9	63.7	103.9
52.5°	0.0	6.6	12.1	15.4	19.5	24.1	31.7	41.2	54.1	87.3	130.2
50°	0.0	7.0	12.5	16.0	20.5	26.2	34.2	46.4	64.3	110.2	182.4
47.5°	0.0	7.4	12.8	16.6	21.5	28.3	37.0	51.5	84.0	132.4	236.0
45°	0.0	7.7	13.2	17.3	22.4	30.3	41.2	56.3	102.9	178.3	287.7
42.5°	0.0	8.0	13.5	17.9	23.3	32.2	45.2	67.5	121.1	222.9	347.9
40°	0.0	8.3	13.8	18.6	24.4	34.1	49.0	82.7	145.1	265.6	407.3
37.5°	0.0	8.6	14.1	19.2	25.8	35.8	52.6	97.1	181.2	309.1	463.9
35°	0.0	8.9	14.4	19.7	27.1	38.3	56.0	110.8	215.3	357.2	518.8
32.5°	0.0	9.2	14.7	20.3	28.4	40.9	61.5	123.7	247.4	402.5	572.2
30°	0.0	9.4	14.9	20.8	29.5	43.4	71.8	139.1	277.5	444.9	622.3
27.5°	0.0	9.7	15.2	21.2	30.6	45.8	81.3	163.4	308.0	484.4	668.9
25°	0.0	9.9	15.4	21.6	31.6	47.9	90.1	185.7	340.1	522.1	712.3
22.5°	0.0	10.1	15.6	22.0	32.5	49.8	98.1	206.2	369.4	557.1	761.0
20°	0.0	10.2	15.7	22.4	33.3	51.6	105.3	224.6	395.8	588.8	805.0
17.5°	0.0	10.4	15.9	22.7	34.0	53.2	111.7	240.9	419.3	616.9	844.2
15°	0.0	10.5	16.0	22.9	34.7	54.5	117.3	255.2	439.8	641.4	878.3
12.5°	0.0	10.6	16.1	23.2	35.2	55.7	122.1	267.3	457.2	662.3	907.4
10°	0.0	10.7	16.2	23.4	35.6	56.6	125.9	277.2	471.5	679.4	931.3
7.5°	0.0	10.8	16.3	23.5	36.0	57.3	129.0	285.0	482.7	692.8	950.0
5°	0.0	10.9	16.4	23.6	36.2	57.9	131.2	290.5	490.7	702.4	963.4
2.5°	0.0	10.9	16.4	23.7	36.4	58.2	132.5	293.9	495.5	708.2	971.4
0°	0.0	10.9	16.4	23.7	36.4	58.2	132.5	293.9	495.5	708.2	971.4
-2.5°	0.0	10.9	16.4	23.7	36.4	58.2	132.5	293.9	495.5	708.2	971.4
-5°	0.0	10.9	16.4	23.6	36.2	57.9	131.2	290.5	490.7	702.4	963.4
-7.5°	0.0	10.8	16.3	23.5	36.0	57.3	129.0	285.0	482.7	692.8	950.0
-10°	0.0	10.7	16.2	23.4	35.6	56.6	125.9	277.2	471.5	679.4	931.3
-12.5°	0.0	10.6	16.1	23.2	35.2	55.7	122.1	267.3	457.2	662.3	907.4
-15°	0.0	10.5	16.0	22.9	34.7	54.5	117.3	255.2	439.8	641.4	878.3
-17.5°	0.0	10.4	15.9	22.7	34.0	53.2	111.7	240.9	419.3	616.9	844.2
-20°	0.0	10.2	15.7	22.4	33.3	51.6	105.3	224.6	395.8	588.8	805.0



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	10.1	15.6	22.0	32.5	49.8	98.1	206.2	369.4	557.1	761.0
-25°	0.0	9.9	15.4	21.6	31.6	47.9	90.1	185.7	340.1	522.1	712.3
-27.5°	0.0	9.7	15.2	21.2	30.6	45.8	81.3	163.4	308.0	484.4	668.9
-30°	0.0	9.4	14.9	20.8	29.5	43.4	71.8	139.1	277.5	444.9	622.3
-32.5°	0.0	9.2	14.7	20.3	28.4	40.9	61.5	123.7	247.4	402.5	572.2
-35°	0.0	8.9	14.4	19.7	27.1	38.3	56.0	110.8	215.3	357.2	518.8
-37.5°	0.0	8.6	14.1	19.2	25.8	35.8	52.6	97.1	181.2	309.1	463.9
-40°	0.0	8.3	13.8	18.6	24.4	34.1	49.0	82.7	145.1	265.6	407.3
-42.5°	0.0	8.0	13.5	17.9	23.3	32.2	45.2	67.5	121.1	222.9	347.9
-45°	0.0	7.7	13.2	17.3	22.4	30.3	41.2	56.3	102.9	178.3	287.7
-47.5°	0.0	7.4	12.8	16.6	21.5	28.3	37.0	51.5	84.0	132.4	236.0
-50°	0.0	7.0	12.5	16.0	20.5	26.2	34.2	46.4	64.3	110.2	182.4
-52.5°	0.0	6.6	12.1	15.4	19.5	24.1	31.7	41.2	54.1	87.3	130.2
-55°	0.0	6.3	11.7	14.8	18.5	22.6	29.0	36.1	47.9	63.7	103.9
-57.5°	0.0	5.9	11.3	14.2	17.4	21.3	26.2	32.8	41.6	52.7	76.9
-60°	0.0	5.4	10.9	13.6	16.4	19.9	23.5	29.5	35.6	45.4	55.7
-62.5°	0.0	5.0	10.1	13.0	15.5	18.5	21.8	26.1	31.8	38.0	47.4
-65°	0.0	4.6	9.2	12.4	14.7	17.1	20.1	23.1	27.8	32.9	38.9
-67.5°	0.0	4.2	8.3	11.7	13.8	15.9	18.4	21.1	23.8	28.4	32.9
-70°	0.0	3.7	7.4	11.0	12.9	14.7	16.6	19.0	21.4	23.8	27.8
-72.5°	0.0	3.3	6.5	9.8	12.0	13.6	15.2	16.9	19.0	21.1	23.1
-75°	0.0	2.8	5.6	8.4	11.1	12.5	13.9	15.2	16.6	18.4	20.1
-77.5°	0.0	2.4	4.7	7.1	9.4	11.3	12.5	13.6	14.7	15.9	17.1
-80°	0.0	1.9	3.8	5.7	7.5	9.4	11.1	12.0	12.9	13.8	14.7
-82.5°	0.0	1.4	2.8	4.3	5.7	7.1	8.4	9.8	11.0	11.7	12.4
-85°	0.0	0.9	1.9	2.8	3.8	4.7	5.6	6.5	7.4	8.3	9.2
-87.5°	0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.7	4.2	4.6
-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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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-HEG-S

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°	5.0	5.4	5.9	6.3	6.6	7.0	7.4	7.7	8.0	8.3	8.6
85°	10.1	10.9	11.3	11.7	12.1	12.5	12.8	13.2	13.5	13.8	14.1
82.5°	13.0	13.6	14.2	14.8	15.4	16.0	16.6	17.3	17.9	18.6	19.2
80°	15.5	16.4	17.4	18.5	19.5	20.5	21.5	22.4	23.3	24.4	25.8
77.5°	18.5	19.9	21.3	22.6	24.1	26.2	28.3	30.3	32.2	34.1	35.8
75°	21.8	23.5	26.2	29.0	31.7	34.2	37.0	41.2	45.2	49.0	52.6
72.5°	26.1	29.5	32.8	36.1	41.2	46.4	51.5	56.3	67.5	82.7	97.1
70°	31.8	35.6	41.6	47.9	54.1	64.3	84.0	102.9	121.1	145.1	181.2
67.5°	38.0	45.4	52.7	63.7	87.3	110.2	132.4	178.3	222.9	265.6	309.1
65°	47.4	55.7	76.9	103.9	130.2	182.4	236.0	287.7	347.9	407.3	463.9
62.5°	56.6	83.6	114.0	156.1	218.8	279.8	349.7	420.9	489.3	558.0	624.0
60°	83.6	117.3	170.8	240.9	312.9	395.8	476.3	557.1	636.1	712.3	802.0
57.5°	114.0	170.8	248.3	331.4	423.7	514.5	606.5	695.6	798.5	900.7	999.5
55°	156.1	240.9	331.4	433.0	534.3	636.4	741.7	860.8	976.0	1091.2	1201.5
52.5°	218.8	312.9	423.7	534.3	646.4	766.7	898.6	1028.7	1157.6	1280.3	1394.6
50°	279.8	395.8	514.5	636.4	766.7	911.2	1055.3	1197.8	1332.3	1460.1	1588.1
47.5°	349.7	476.3	606.5	741.7	898.6	1055.3	1211.2	1358.4	1499.7	1645.6	1786.9
45°	420.9	557.1	695.6	860.8	1028.7	1197.8	1358.4	1513.0	1674.6	1820.7	1926.0
42.5°	489.3	636.1	798.5	976.0	1157.6	1332.3	1499.7	1674.6	1831.0	1946.9	2014.1
40°	558.0	712.3	900.7	1091.2	1280.3	1460.1	1645.6	1820.7	1946.9	2017.2	2052.1
37.5°	624.0	802.0	999.5	1201.5	1394.6	1588.1	1786.9	1926.0	2014.1	2052.1	2184.4
35°	686.7	887.3	1096.4	1304.4	1503.7	1714.4	1884.5	2004.7	2045.7	2172.2	2655.1
32.5°	754.4	967.9	1188.1	1400.1	1614.4	1823.1	1974.5	2033.0	2136.0	2448.5	3714.2
30°	823.2	1046.6	1273.4	1490.2	1719.4	1902.3	2014.4	2076.4	2242.8	3398.1	4603.9
27.5°	887.3	1120.1	1350.7	1579.1	1811.6	1976.6	2037.9	2170.4	2878.7	4255.0	5383.2
25°	946.5	1188.1	1422.3	1663.2	1875.3	2010.2	2075.9	2258.0	3663.7	4939.1	5714.4
22.5°	1001.8	1250.3	1487.9	1740.3	1933.9	2028.9	2151.0	2840.9	4331.5	5553.1	5917.5
20°	1052.8	1304.4	1549.9	1806.2	1987.0	2045.8	2219.2	3456.2	4871.1	5726.3	6084.1
17.5°	1098.1	1352.5	1606.9	1849.8	2007.0	2080.6	2353.5	4008.8	5356.7	5882.6	6225.4
15°	1137.8	1394.6	1656.7	1887.9	2019.2	2130.1	2802.0	4416.9	5616.0	6014.3	6350.0
12.5°	1171.5	1430.5	1699.2	1920.5	2029.7	2172.5	3186.3	4756.1	5725.7	6114.0	6438.4
10°	1199.3	1460.1	1734.3	1947.3	2038.3	2207.5	3504.0	5037.0	5816.6	6196.9	6511.9
7.5°	1221.0	1483.2	1761.7	1968.3	2045.1	2235.0	3753.3	5257.7	5888.2	6262.1	6569.9
5°	1236.5	1499.7	1781.3	1983.4	2049.9	2254.7	3932.6	5416.5	5939.7	6309.2	6611.9
2.5°	1245.9	1509.7	1793.2	1992.5	2052.8	2266.5	4040.6	5512.2	5970.8	6337.6	6637.2
0°	1249.0	1513.0	1797.1	1995.5	2053.8	2270.5	4076.7	5544.2	5981.2	6347.1	6645.7
-2.5°	1245.9	1509.7	1793.2	1992.5	2052.8	2266.5	4040.6	5512.2	5970.8	6337.6	6637.2
-5°	1236.5	1499.7	1781.3	1983.4	2049.9	2254.7	3932.6	5416.5	5939.7	6309.2	6611.9
-7.5°	1221.0	1483.2	1761.7	1968.3	2045.1	2235.0	3753.3	5257.7	5888.2	6262.1	6569.9
-10°	1199.3	1460.1	1734.3	1947.3	2038.3	2207.5	3504.0	5037.0	5816.6	6196.9	6511.9
-12.5°	1171.5	1430.5	1699.2	1920.5	2029.7	2172.5	3186.3	4756.1	5725.7	6114.0	6438.4
-15°	1137.8	1394.6	1656.7	1887.9	2019.2	2130.1	2802.0	4416.9	5616.0	6014.3	6350.0
-17.5°	1098.1	1352.5	1606.9	1849.8	2007.0	2080.6	2353.5	4008.8	5356.7	5882.6	6225.4
-20°	1052.8	1304.4	1549.9	1806.2	1987.0	2045.8	2219.2	3456.2	4871.1	5726.3	6084.1



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1001.8	1250.3	1487.9	1740.3	1933.9	2028.9	2151.0	2840.9	4331.5	5553.1	5917.5
-25°	946.5	1188.1	1422.3	1663.2	1875.3	2010.2	2075.9	2258.0	3663.7	4939.1	5714.4
-27.5°	887.3	1120.1	1350.7	1579.1	1811.6	1976.6	2037.9	2170.4	2878.7	4255.0	5383.2
-30°	823.2	1046.6	1273.4	1490.2	1719.4	1902.3	2014.4	2076.4	2242.8	3398.1	4603.9
-32.5°	754.4	967.9	1188.1	1400.1	1614.4	1823.1	1974.5	2033.0	2136.0	2448.5	3714.2
-35°	686.7	887.3	1096.4	1304.4	1503.7	1714.4	1884.5	2004.7	2045.7	2172.2	2655.1
-37.5°	624.0	802.0	999.5	1201.5	1394.6	1588.1	1786.9	1926.0	2014.1	2052.1	2184.4
-40°	558.0	712.3	900.7	1091.2	1280.3	1460.1	1645.6	1820.7	1946.9	2017.2	2052.1
-42.5°	489.3	636.1	798.5	976.0	1157.6	1332.3	1499.7	1674.6	1831.0	1946.9	2014.1
-45°	420.9	557.1	695.6	860.8	1028.7	1197.8	1358.4	1513.0	1674.6	1820.7	1926.0
-47.5°	349.7	476.3	606.5	741.7	898.6	1055.3	1211.2	1358.4	1499.7	1645.6	1786.9
-50°	279.8	395.8	514.5	636.4	766.7	911.2	1055.3	1197.8	1332.3	1460.1	1588.1
-52.5°	218.8	312.9	423.7	534.3	646.4	766.7	898.6	1028.7	1157.6	1280.3	1394.6
-55°	156.1	240.9	331.4	433.0	534.3	636.4	741.7	860.8	976.0	1091.2	1201.5
-57.5°	114.0	170.8	248.3	331.4	423.7	514.5	606.5	695.6	798.5	900.7	999.5
-60°	83.6	117.3	170.8	240.9	312.9	395.8	476.3	557.1	636.1	712.3	802.0
-62.5°	56.6	83.6	114.0	156.1	218.8	279.8	349.7	420.9	489.3	558.0	624.0
-65°	47.4	55.7	76.9	103.9	130.2	182.4	236.0	287.7	347.9	407.3	463.9
-67.5°	38.0	45.4	52.7	63.7	87.3	110.2	132.4	178.3	222.9	265.6	309.1
-70°	31.8	35.6	41.6	47.9	54.1	64.3	84.0	102.9	121.1	145.1	181.2
-72.5°	26.1	29.5	32.8	36.1	41.2	46.4	51.5	56.3	67.5	82.7	97.1
-75°	21.8	23.5	26.2	29.0	31.7	34.2	37.0	41.2	45.2	49.0	52.6
-77.5°	18.5	19.9	21.3	22.6	24.1	26.2	28.3	30.3	32.2	34.1	35.8
-80°	15.5	16.4	17.4	18.5	19.5	20.5	21.5	22.4	23.3	24.4	25.8
-82.5°	13.0	13.6	14.2	14.8	15.4	16.0	16.6	17.3	17.9	18.6	19.2
-85°	10.1	10.9	11.3	11.7	12.1	12.5	12.8	13.2	13.5	13.8	14.1
-87.5°	5.0	5.4	5.9	6.3	6.6	7.0	7.4	7.7	8.0	8.3	8.6
-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):

	-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°	8.9	9.2	9.4	9.7	9.9	10.1	10.2	10.4	10.5	10.6	10.7
85°	14.4	14.7	14.9	15.2	15.4	15.6	15.7	15.9	16.0	16.1	16.2
82.5°	19.7	20.3	20.8	21.2	21.6	22.0	22.4	22.7	22.9	23.2	23.4
80°	27.1	28.4	29.5	30.6	31.6	32.5	33.3	34.0	34.7	35.2	35.6
77.5°	38.3	40.9	43.4	45.8	47.9	49.8	51.6	53.2	54.5	55.7	56.6
75°	56.0	61.5	71.8	81.3	90.1	98.1	105.3	111.7	117.3	122.1	125.9
72.5°	110.8	123.7	139.1	163.4	185.7	206.2	224.6	240.9	255.2	267.3	277.2
70°	215.3	247.4	277.5	308.0	340.1	369.4	395.8	419.3	439.8	457.2	471.5
67.5°	357.2	402.5	444.9	484.4	522.1	557.1	588.8	616.9	641.4	662.3	679.4
65°	518.8	572.2	622.3	668.9	712.3	761.0	805.0	844.2	878.3	907.4	931.3
62.5°	686.7	754.4	823.2	887.3	946.5	1001.8	1052.8	1098.1	1137.8	1171.5	1199.3
60°	887.3	967.9	1046.6	1120.1	1188.1	1250.3	1304.4	1352.5	1394.6	1430.5	1460.1
57.5°	1096.4	1188.1	1273.4	1350.7	1422.3	1487.9	1549.9	1606.9	1656.7	1699.2	1734.3
55°	1304.4	1400.1	1490.2	1579.1	1663.2	1740.3	1806.2	1849.8	1887.9	1920.5	1947.3
52.5°	1503.7	1614.4	1719.4	1811.6	1875.3	1933.9	1987.0	2007.0	2019.2	2029.7	2038.3
50°	1714.4	1823.1	1902.3	1976.6	2010.2	2028.9	2045.8	2080.6	2130.1	2172.5	2207.5
47.5°	1884.5	1974.5	2014.4	2037.9	2075.9	2151.0	2219.2	2353.5	2802.0	3186.3	3504.0
45°	2004.7	2033.0	2076.4	2170.4	2258.0	2840.9	3456.2	4008.8	4416.9	4756.1	5037.0
42.5°	2045.7	2136.0	2242.8	2878.7	3663.7	4331.5	4871.1	5356.7	5616.0	5725.7	5816.6
40°	2172.2	2448.5	3398.1	4255.0	4939.1	5553.1	5726.3	5882.6	6014.3	6114.0	6196.9
37.5°	2655.1	3714.2	4603.9	5383.2	5714.4	5917.5	6084.1	6225.4	6350.0	6438.4	6511.9
35°	3820.3	4780.3	5576.8	5824.2	6045.1	6227.5	6386.7	6511.2	6622.0	6660.2	6676.4
32.5°	4780.3	5603.9	5879.8	6116.7	6325.3	6488.8	6636.4	6670.9	6695.1	6704.6	6702.4
30°	5576.8	5879.8	6140.8	6369.8	6551.4	6661.1	6693.0	6703.8	6700.6	6688.8	6654.5
27.5°	5824.2	6116.7	6369.8	6572.4	6669.9	6705.7	6701.5	6686.7	6635.9	6591.3	6740.4
25°	6045.1	6325.3	6551.4	6669.9	6705.1	6700.4	6660.2	6599.3	6778.6	6972.8	8350.4
22.5°	6227.5	6488.8	6661.1	6705.7	6700.4	6651.2	6633.2	6895.4	8316.3	10701.3	14964.6
20°	6386.7	6636.4	6693.0	6701.5	6660.2	6633.2	6935.0	9250.2	13024.4	21916.7	30540.3
17.5°	6511.2	6670.9	6703.8	6686.7	6599.3	6895.4	9250.2	14724.1	25520.9	39826.9	53734.2
15°	6622.0	6695.1	6700.6	6635.9	6778.6	8316.3	13024.4	25520.9	43012.2	64774.6	91268.1
12.5°	6660.2	6704.6	6688.8	6591.3	6972.8	10701.3	21916.7	39826.9	64774.6	97702.8	138024.5
10°	6676.4	6702.4	6654.5	6740.4	8350.4	14964.6	30540.3	53734.2	91268.1	138024.5	188500.7
7.5°	6689.1	6700.7	6627.1	6860.3	9836.4	20569.9	40732.2	72711.1	118753.9	175378.3	242378.1
5°	6698.3	6699.5	6607.2	6947.8	10925.6	24702.3	48304.1	87393.5	142124.9	209754.4	287889.1
2.5°	6703.9	6698.7	6595.2	7001.1	11590.9	27237.5	52976.5	96527.8	156839.8	233237.3	317563.7
0°	6705.8	6698.5	6591.1	7019.0	11814.8	28092.3	54556.9	99631.4	161873.7	241591.5	327969.6
-2.5°	6703.9	6698.7	6595.2	7001.1	11590.9	27237.5	52976.5	96527.8	156839.8	233237.3	317563.7
-5°	6698.3	6699.5	6607.2	6947.8	10925.6	24702.3	48304.1	87393.5	142124.9	209754.4	287889.1
-7.5°	6689.1	6700.7	6627.1	6860.3	9836.4	20569.9	40732.2	72711.1	118753.9	175378.3	242378.1
-10°	6676.4	6702.4	6654.5	6740.4	8350.4	14964.6	30540.3	53734.2	91268.1	138024.5	188500.7
-12.5°	6660.2	6704.6	6688.8	6591.3	6972.8	10701.3	21916.7	39826.9	64774.6	97702.8	138024.5
-15°	6622.0	6695.1	6700.6	6635.9	6778.6	8316.3	13024.4	25520.9	43012.2	64774.6	91268.1
-17.5°	6511.2	6670.9	6703.8	6686.7	6599.3	6895.4	9250.2	14724.1	25520.9	39826.9	53734.2
-20°	6386.7	6636.4	6693.0	6701.5	6660.2	6633.2	6935.0	9250.2	13024.4	21916.7	30540.3



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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°	6227.5	6488.8	6661.1	6705.7	6700.4	6651.2	6633.2	6895.4	8316.3	10701.3	14964.6
-25°	6045.1	6325.3	6551.4	6669.9	6705.1	6700.4	6660.2	6599.3	6778.6	6972.8	8350.4
-27.5°	5824.2	6116.7	6369.8	6572.4	6669.9	6705.7	6701.5	6686.7	6635.9	6591.3	6740.4
-30°	5576.8	5879.8	6140.8	6369.8	6551.4	6661.1	6693.0	6703.8	6700.6	6688.8	6654.5
-32.5°	4780.3	5603.9	5879.8	6116.7	6325.3	6488.8	6636.4	6670.9	6695.1	6704.6	6702.4
-35°	3820.3	4780.3	5576.8	5824.2	6045.1	6227.5	6386.7	6511.2	6622.0	6660.2	6676.4
-37.5°	2655.1	3714.2	4603.9	5383.2	5714.4	5917.5	6084.1	6225.4	6350.0	6438.4	6511.9
-40°	2172.2	2448.5	3398.1	4255.0	4939.1	5553.1	5726.3	5882.6	6014.3	6114.0	6196.9
-42.5°	2045.7	2136.0	2242.8	2878.7	3663.7	4331.5	4871.1	5356.7	5616.0	5725.7	5816.6
-45°	2004.7	2033.0	2076.4	2170.4	2258.0	2840.9	3456.2	4008.8	4416.9	4756.1	5037.0
-47.5°	1884.5	1974.5	2014.4	2037.9	2075.9	2151.0	2219.2	2353.5	2802.0	3186.3	3504.0
-50°	1714.4	1823.1	1902.3	1976.6	2010.2	2028.9	2045.8	2080.6	2130.1	2172.5	2207.5
-52.5°	1503.7	1614.4	1719.4	1811.6	1875.3	1933.9	1987.0	2007.0	2019.2	2029.7	2038.3
-55°	1304.4	1400.1	1490.2	1579.1	1663.2	1740.3	1806.2	1849.8	1887.9	1920.5	1947.3
-57.5°	1096.4	1188.1	1273.4	1350.7	1422.3	1487.9	1549.9	1606.9	1656.7	1699.2	1734.3
-60°	887.3	967.9	1046.6	1120.1	1188.1	1250.3	1304.4	1352.5	1394.6	1430.5	1460.1
-62.5°	686.7	754.4	823.2	887.3	946.5	1001.8	1052.8	1098.1	1137.8	1171.5	1199.3
-65°	518.8	572.2	622.3	668.9	712.3	761.0	805.0	844.2	878.3	907.4	931.3
-67.5°	357.2	402.5	444.9	484.4	522.1	557.1	588.8	616.9	641.4	662.3	679.4
-70°	215.3	247.4	277.5	308.0	340.1	369.4	395.8	419.3	439.8	457.2	471.5
-72.5°	110.8	123.7	139.1	163.4	185.7	206.2	224.6	240.9	255.2	267.3	277.2
-75°	56.0	61.5	71.8	81.3	90.1	98.1	105.3	111.7	117.3	122.1	125.9
-77.5°	38.3	40.9	43.4	45.8	47.9	49.8	51.6	53.2	54.5	55.7	56.6
-80°	27.1	28.4	29.5	30.6	31.6	32.5	33.3	34.0	34.7	35.2	35.6
-82.5°	19.7	20.3	20.8	21.2	21.6	22.0	22.4	22.7	22.9	23.2	23.4
-85°	14.4	14.7	14.9	15.2	15.4	15.6	15.7	15.9	16.0	16.1	16.2
-87.5°	8.9	9.2	9.4	9.7	9.9	10.1	10.2	10.4	10.5	10.6	10.7
-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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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-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°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.4
85°	16.3	16.4	16.4	16.4	16.4	16.4	16.3	16.2	16.1	16.0	15.9
82.5°	23.5	23.6	23.7	23.7	23.7	23.6	23.5	23.4	23.2	22.9	22.7
80°	36.0	36.2	36.4	36.4	36.4	36.2	36.0	35.6	35.2	34.7	34.0
77.5°	57.3	57.9	58.2	58.3	58.2	57.9	57.3	56.6	55.7	54.5	53.2
75°	129.0	131.2	132.5	132.9	132.5	131.2	129.0	125.9	122.1	117.3	111.7
72.5°	285.0	290.5	293.9	295.0	293.9	290.5	285.0	277.2	267.3	255.2	240.9
70°	482.7	490.7	495.5	497.1	495.5	490.7	482.7	471.5	457.2	439.8	419.3
67.5°	692.8	702.4	708.2	710.1	708.2	702.4	692.8	679.4	662.3	641.4	616.9
65°	950.0	963.4	971.4	974.1	971.4	963.4	950.0	931.3	907.4	878.3	844.2
62.5°	1221.0	1236.5	1245.9	1249.0	1245.9	1236.5	1221.0	1199.3	1171.5	1137.8	1098.1
60°	1483.2	1499.7	1509.7	1513.0	1509.7	1499.7	1483.2	1460.1	1430.5	1394.6	1352.5
57.5°	1761.7	1781.3	1793.2	1797.1	1793.2	1781.3	1761.7	1734.3	1699.2	1656.7	1606.9
55°	1968.3	1983.4	1992.5	1995.5	1992.5	1983.4	1968.3	1947.3	1920.5	1887.9	1849.8
52.5°	2045.1	2049.9	2052.8	2053.8	2052.8	2049.9	2045.1	2038.3	2029.7	2019.2	2007.0
50°	2235.0	2254.7	2266.5	2270.5	2266.5	2254.7	2235.0	2207.5	2172.5	2130.1	2080.6
47.5°	3753.3	3932.6	4040.6	4076.7	4040.6	3932.6	3753.3	3504.0	3186.3	2802.0	2353.5
45°	5257.7	5416.5	5512.2	5544.2	5512.2	5416.5	5257.7	5037.0	4756.1	4416.9	4008.8
42.5°	5888.2	5939.7	5970.8	5981.2	5970.8	5939.7	5888.2	5816.6	5725.7	5616.0	5356.7
40°	6262.1	6309.2	6337.6	6347.1	6337.6	6309.2	6262.1	6196.9	6114.0	6014.3	5882.6
37.5°	6569.9	6611.9	6637.2	6645.7	6637.2	6611.9	6569.9	6511.9	6438.4	6350.0	6225.4
35°	6689.1	6698.3	6703.9	6705.8	6703.9	6698.3	6689.1	6676.4	6660.2	6622.0	6511.2
32.5°	6700.7	6699.5	6698.7	6698.5	6698.7	6699.5	6700.7	6702.4	6704.6	6695.1	6670.9
30°	6627.1	6607.2	6595.2	6591.1	6595.2	6607.2	6627.1	6654.5	6688.8	6700.6	6703.8
27.5°	6860.3	6947.8	7001.1	7019.0	7001.1	6947.8	6860.3	6740.4	6591.3	6635.9	6686.7
25°	9836.4	10925.6	11590.9	11814.8	11590.9	10925.6	9836.4	8350.4	6972.8	6778.6	6599.3
22.5°	20569.9	24702.3	27237.5	28092.3	27237.5	24702.3	20569.9	14964.6	10701.3	8316.3	6895.4
20°	40732.2	48304.1	52976.5	54556.9	52976.5	48304.1	40732.2	30540.3	21916.7	13024.4	9250.2
17.5°	72711.1	87393.5	96527.8	99631.4	96527.8	87393.5	72711.1	53734.2	39826.9	25520.9	14724.1
15°	118753.9	142124.9	156839.8	161873.7	156839.8	142124.9	118753.9	91268.1	64774.6	43012.2	25520.9
12.5°	175378.3	209754.4	233237.3	241591.5	233237.3	209754.4	175378.3	138024.5	97702.8	64774.6	39826.9
10°	242378.1	287889.1	317563.7	327969.6	317563.7	287889.1	242378.1	188500.7	138024.5	91268.1	53734.2
7.5°	307770.8	361802.7	401657.7	416082.1	401657.7	361802.7	307770.8	242378.1	175378.3	118753.9	72711.1
5°	361802.7	431578.8	474362.1	487886.0	474362.1	431578.8	361802.7	287889.1	209754.4	142124.9	87393.5
2.5°	401657.7	474362.1	520610.2	544590.5	520610.2	474362.1	401657.7	317563.7	233237.3	156839.8	96527.8
0°	416082.1	487886.0	544590.5	585294.2	544590.5	487886.0	416082.1	327969.6	241591.5	161873.7	99631.4
-2.5°	401657.7	474362.1	520610.2	544590.5	520610.2	474362.1	401657.7	317563.7	233237.3	156839.8	96527.8
-5°	361802.7	431578.8	474362.1	487886.0	474362.1	431578.8	361802.7	287889.1	209754.4	142124.9	87393.5
-7.5°	307770.8	361802.7	401657.7	416082.1	401657.7	361802.7	307770.8	242378.1	175378.3	118753.9	72711.1
-10°	242378.1	287889.1	317563.7	327969.6	317563.7	287889.1	242378.1	188500.7	138024.5	91268.1	53734.2
-12.5°	175378.3	209754.4	233237.3	241591.5	233237.3	209754.4	175378.3	138024.5	97702.8	64774.6	39826.9
-15°	118753.9	142124.9	156839.8	161873.7	156839.8	142124.9	118753.9	91268.1	64774.6	43012.2	25520.9
-17.5°	72711.1	87393.5	96527.8	99631.4	96527.8	87393.5	72711.1	53734.2	39826.9	25520.9	14724.1
-20°	40732.2	48304.1	52976.5	54556.9	52976.5	48304.1	40732.2	30540.3	21916.7	13024.4	9250.2



REPORT NUMBER: P701488 (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°	20569.9	24702.3	27237.5	28092.3	27237.5	24702.3	20569.9	14964.6	10701.3	8316.3	6895.4
-25°	9836.4	10925.6	11590.9	11814.8	11590.9	10925.6	9836.4	8350.4	6972.8	6778.6	6599.3
-27.5°	6860.3	6947.8	7001.1	7019.0	7001.1	6947.8	6860.3	6740.4	6591.3	6635.9	6686.7
-30°	6627.1	6607.2	6595.2	6591.1	6595.2	6607.2	6627.1	6654.5	6688.8	6700.6	6703.8
-32.5°	6700.7	6699.5	6698.7	6698.5	6698.7	6699.5	6700.7	6702.4	6704.6	6695.1	6670.9
-35°	6689.1	6698.3	6703.9	6705.8	6703.9	6698.3	6689.1	6676.4	6660.2	6622.0	6511.2
-37.5°	6569.9	6611.9	6637.2	6645.7	6637.2	6611.9	6569.9	6511.9	6438.4	6350.0	6225.4
-40°	6262.1	6309.2	6337.6	6347.1	6337.6	6309.2	6262.1	6196.9	6114.0	6014.3	5882.6
-42.5°	5888.2	5939.7	5970.8	5981.2	5970.8	5939.7	5888.2	5816.6	5725.7	5616.0	5356.7
-45°	5257.7	5416.5	5512.2	5544.2	5512.2	5416.5	5257.7	5037.0	4756.1	4416.9	4008.8
-47.5°	3753.3	3932.6	4040.6	4076.7	4040.6	3932.6	3753.3	3504.0	3186.3	2802.0	2353.5
-50°	2235.0	2254.7	2266.5	2270.5	2266.5	2254.7	2235.0	2207.5	2172.5	2130.1	2080.6
-52.5°	2045.1	2049.9	2052.8	2053.8	2052.8	2049.9	2045.1	2038.3	2029.7	2019.2	2007.0
-55°	1968.3	1983.4	1992.5	1995.5	1992.5	1983.4	1968.3	1947.3	1920.5	1887.9	1849.8
-57.5°	1761.7	1781.3	1793.2	1797.1	1793.2	1781.3	1761.7	1734.3	1699.2	1656.7	1606.9
-60°	1483.2	1499.7	1509.7	1513.0	1509.7	1499.7	1483.2	1460.1	1430.5	1394.6	1352.5
-62.5°	1221.0	1236.5	1245.9	1249.0	1245.9	1236.5	1221.0	1199.3	1171.5	1137.8	1098.1
-65°	950.0	963.4	971.4	974.1	971.4	963.4	950.0	931.3	907.4	878.3	844.2
-67.5°	692.8	702.4	708.2	710.1	708.2	702.4	692.8	679.4	662.3	641.4	616.9
-70°	482.7	490.7	495.5	497.1	495.5	490.7	482.7	471.5	457.2	439.8	419.3
-72.5°	285.0	290.5	293.9	295.0	293.9	290.5	285.0	277.2	267.3	255.2	240.9
-75°	129.0	131.2	132.5	132.9	132.5	131.2	129.0	125.9	122.1	117.3	111.7
-77.5°	57.3	57.9	58.2	58.3	58.2	57.9	57.3	56.6	55.7	54.5	53.2
-80°	36.0	36.2	36.4	36.4	36.4	36.2	36.0	35.6	35.2	34.7	34.0
-82.5°	23.5	23.6	23.7	23.7	23.7	23.6	23.5	23.4	23.2	22.9	22.7
-85°	16.3	16.4	16.4	16.4	16.4	16.4	16.3	16.2	16.1	16.0	15.9
-87.5°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.4
-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°	10.2	10.1	9.9	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7
85°	15.7	15.6	15.4	15.2	14.9	14.7	14.4	14.1	13.8	13.5	13.2
82.5°	22.4	22.0	21.6	21.2	20.8	20.3	19.7	19.2	18.6	17.9	17.3
80°	33.3	32.5	31.6	30.6	29.5	28.4	27.1	25.8	24.4	23.3	22.4
77.5°	51.6	49.8	47.9	45.8	43.4	40.9	38.3	35.8	34.1	32.2	30.3
75°	105.3	98.1	90.1	81.3	71.8	61.5	56.0	52.6	49.0	45.2	41.2
72.5°	224.6	206.2	185.7	163.4	139.1	123.7	110.8	97.1	82.7	67.5	56.3
70°	395.8	369.4	340.1	308.0	277.5	247.4	215.3	181.2	145.1	121.1	102.9
67.5°	588.8	557.1	522.1	484.4	444.9	402.5	357.2	309.1	265.6	222.9	178.3
65°	805.0	761.0	712.3	668.9	622.3	572.2	518.8	463.9	407.3	347.9	287.7
62.5°	1052.8	1001.8	946.5	887.3	823.2	754.4	686.7	624.0	558.0	489.3	420.9
60°	1304.4	1250.3	1188.1	1120.1	1046.6	967.9	887.3	802.0	712.3	636.1	557.1
57.5°	1549.9	1487.9	1422.3	1350.7	1273.4	1188.1	1096.4	999.5	900.7	798.5	695.6
55°	1806.2	1740.3	1663.2	1579.1	1490.2	1400.1	1304.4	1201.5	1091.2	976.0	860.8
52.5°	1987.0	1933.9	1875.3	1811.6	1719.4	1614.4	1503.7	1394.6	1280.3	1157.6	1028.7
50°	2045.8	2028.9	2010.2	1976.6	1902.3	1823.1	1714.4	1588.1	1460.1	1332.3	1197.8
47.5°	2219.2	2151.0	2075.9	2037.9	2014.4	1974.5	1884.5	1786.9	1645.6	1499.7	1358.4
45°	3456.2	2840.9	2258.0	2170.4	2076.4	2033.0	2004.7	1926.0	1820.7	1674.6	1513.0
42.5°	4871.1	4331.5	3663.7	2878.7	2242.8	2136.0	2045.7	2014.1	1946.9	1831.0	1674.6
40°	5726.3	5553.1	4939.1	4255.0	3398.1	2448.5	2172.2	2052.1	2017.2	1946.9	1820.7
37.5°	6084.1	5917.5	5714.4	5383.2	4603.9	3714.2	2655.1	2184.4	2052.1	2014.1	1926.0
35°	6386.7	6227.5	6045.1	5824.2	5576.8	4780.3	3820.3	2655.1	2172.2	2045.7	2004.7
32.5°	6636.4	6488.8	6325.3	6116.7	5879.8	5603.9	4780.3	3714.2	2448.5	2136.0	2033.0
30°	6693.0	6661.1	6551.4	6369.8	6140.8	5879.8	5576.8	4603.9	3398.1	2242.8	2076.4
27.5°	6701.5	6705.7	6669.9	6572.4	6369.8	6116.7	5824.2	5383.2	4255.0	2878.7	2170.4
25°	6660.2	6700.4	6705.1	6669.9	6551.4	6325.3	6045.1	5714.4	4939.1	3663.7	2258.0
22.5°	6633.2	6651.2	6700.4	6705.7	6661.1	6488.8	6227.5	5917.5	5553.1	4331.5	2840.9
20°	6935.0	6633.2	6660.2	6701.5	6693.0	6636.4	6386.7	6084.1	5726.3	4871.1	3456.2
17.5°	9250.2	6895.4	6599.3	6686.7	6703.8	6670.9	6511.2	6225.4	5882.6	5356.7	4008.8
15°	13024.4	8316.3	6778.6	6635.9	6700.6	6695.1	6622.0	6350.0	6014.3	5616.0	4416.9
12.5°	21916.7	10701.3	6972.8	6591.3	6688.8	6704.6	6660.2	6438.4	6114.0	5725.7	4756.1
10°	30540.3	14964.6	8350.4	6740.4	6654.5	6702.4	6676.4	6511.9	6196.9	5816.6	5037.0
7.5°	40732.2	20569.9	9836.4	6860.3	6627.1	6700.7	6689.1	6569.9	6262.1	5888.2	5257.7
5°	48304.1	24702.3	10925.6	6947.8	6607.2	6699.5	6698.3	6611.9	6309.2	5939.7	5416.5
2.5°	52976.5	27237.5	11590.9	7001.1	6595.2	6698.7	6703.9	6637.2	6337.6	5970.8	5512.2
0°	54556.9	28092.3	11814.8	7019.0	6591.1	6698.5	6705.8	6645.7	6347.1	5981.2	5544.2
-2.5°	52976.5	27237.5	11590.9	7001.1	6595.2	6698.7	6703.9	6637.2	6337.6	5970.8	5512.2
-5°	48304.1	24702.3	10925.6	6947.8	6607.2	6699.5	6698.3	6611.9	6309.2	5939.7	5416.5
-7.5°	40732.2	20569.9	9836.4	6860.3	6627.1	6700.7	6689.1	6569.9	6262.1	5888.2	5257.7
-10°	30540.3	14964.6	8350.4	6740.4	6654.5	6702.4	6676.4	6511.9	6196.9	5816.6	5037.0
-12.5°	21916.7	10701.3	6972.8	6591.3	6688.8	6704.6	6660.2	6438.4	6114.0	5725.7	4756.1
-15°	13024.4	8316.3	6778.6	6635.9	6700.6	6695.1	6622.0	6350.0	6014.3	5616.0	4416.9
-17.5°	9250.2	6895.4	6599.3	6686.7	6703.8	6670.9	6511.2	6225.4	5882.6	5356.7	4008.8
-20°	6935.0	6633.2	6660.2	6701.5	6693.0	6636.4	6386.7	6084.1	5726.3	4871.1	3456.2



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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°	6633.2	6651.2	6700.4	6705.7	6661.1	6488.8	6227.5	5917.5	5553.1	4331.5	2840.9
-25°	6660.2	6700.4	6705.1	6669.9	6551.4	6325.3	6045.1	5714.4	4939.1	3663.7	2258.0
-27.5°	6701.5	6705.7	6669.9	6572.4	6369.8	6116.7	5824.2	5383.2	4255.0	2878.7	2170.4
-30°	6693.0	6661.1	6551.4	6369.8	6140.8	5879.8	5576.8	4603.9	3398.1	2242.8	2076.4
-32.5°	6636.4	6488.8	6325.3	6116.7	5879.8	5603.9	4780.3	3714.2	2448.5	2136.0	2033.0
-35°	6386.7	6227.5	6045.1	5824.2	5576.8	4780.3	3820.3	2655.1	2172.2	2045.7	2004.7
-37.5°	6084.1	5917.5	5714.4	5383.2	4603.9	3714.2	2655.1	2184.4	2052.1	2014.1	1926.0
-40°	5726.3	5553.1	4939.1	4255.0	3398.1	2448.5	2172.2	2052.1	2017.2	1946.9	1820.7
-42.5°	4871.1	4331.5	3663.7	2878.7	2242.8	2136.0	2045.7	2014.1	1946.9	1831.0	1674.6
-45°	3456.2	2840.9	2258.0	2170.4	2076.4	2033.0	2004.7	1926.0	1820.7	1674.6	1513.0
-47.5°	2219.2	2151.0	2075.9	2037.9	2014.4	1974.5	1884.5	1786.9	1645.6	1499.7	1358.4
-50°	2045.8	2028.9	2010.2	1976.6	1902.3	1823.1	1714.4	1588.1	1460.1	1332.3	1197.8
-52.5°	1987.0	1933.9	1875.3	1811.6	1719.4	1614.4	1503.7	1394.6	1280.3	1157.6	1028.7
-55°	1806.2	1740.3	1663.2	1579.1	1490.2	1400.1	1304.4	1201.5	1091.2	976.0	860.8
-57.5°	1549.9	1487.9	1422.3	1350.7	1273.4	1188.1	1096.4	999.5	900.7	798.5	695.6
-60°	1304.4	1250.3	1188.1	1120.1	1046.6	967.9	887.3	802.0	712.3	636.1	557.1
-62.5°	1052.8	1001.8	946.5	887.3	823.2	754.4	686.7	624.0	558.0	489.3	420.9
-65°	805.0	761.0	712.3	668.9	622.3	572.2	518.8	463.9	407.3	347.9	287.7
-67.5°	588.8	557.1	522.1	484.4	444.9	402.5	357.2	309.1	265.6	222.9	178.3
-70°	395.8	369.4	340.1	308.0	277.5	247.4	215.3	181.2	145.1	121.1	102.9
-72.5°	224.6	206.2	185.7	163.4	139.1	123.7	110.8	97.1	82.7	67.5	56.3
-75°	105.3	98.1	90.1	81.3	71.8	61.5	56.0	52.6	49.0	45.2	41.2
-77.5°	51.6	49.8	47.9	45.8	43.4	40.9	38.3	35.8	34.1	32.2	30.3
-80°	33.3	32.5	31.6	30.6	29.5	28.4	27.1	25.8	24.4	23.3	22.4
-82.5°	22.4	22.0	21.6	21.2	20.8	20.3	19.7	19.2	18.6	17.9	17.3
-85°	15.7	15.6	15.4	15.2	14.9	14.7	14.4	14.1	13.8	13.5	13.2
-87.5°	10.2	10.1	9.9	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7
-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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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-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°	7.4	7.0	6.6	6.3	5.9	5.4	5.0	4.6	4.2	3.7	3.3
85°	12.8	12.5	12.1	11.7	11.3	10.9	10.1	9.2	8.3	7.4	6.5
82.5°	16.6	16.0	15.4	14.8	14.2	13.6	13.0	12.4	11.7	11.0	9.8
80°	21.5	20.5	19.5	18.5	17.4	16.4	15.5	14.7	13.8	12.9	12.0
77.5°	28.3	26.2	24.1	22.6	21.3	19.9	18.5	17.1	15.9	14.7	13.6
75°	37.0	34.2	31.7	29.0	26.2	23.5	21.8	20.1	18.4	16.6	15.2
72.5°	51.5	46.4	41.2	36.1	32.8	29.5	26.1	23.1	21.1	19.0	16.9
70°	84.0	64.3	54.1	47.9	41.6	35.6	31.8	27.8	23.8	21.4	19.0
67.5°	132.4	110.2	87.3	63.7	52.7	45.4	38.0	32.9	28.4	23.8	21.1
65°	236.0	182.4	130.2	103.9	76.9	55.7	47.4	38.9	32.9	27.8	23.1
62.5°	349.7	279.8	218.8	156.1	114.0	83.6	56.6	47.4	38.0	31.8	26.1
60°	476.3	395.8	312.9	240.9	170.8	117.3	83.6	55.7	45.4	35.6	29.5
57.5°	606.5	514.5	423.7	331.4	248.3	170.8	114.0	76.9	52.7	41.6	32.8
55°	741.7	636.4	534.3	433.0	331.4	240.9	156.1	103.9	63.7	47.9	36.1
52.5°	898.6	766.7	646.4	534.3	423.7	312.9	218.8	130.2	87.3	54.1	41.2
50°	1055.3	911.2	766.7	636.4	514.5	395.8	279.8	182.4	110.2	64.3	46.4
47.5°	1211.2	1055.3	898.6	741.7	606.5	476.3	349.7	236.0	132.4	84.0	51.5
45°	1358.4	1197.8	1028.7	860.8	695.6	557.1	420.9	287.7	178.3	102.9	56.3
42.5°	1499.7	1332.3	1157.6	976.0	798.5	636.1	489.3	347.9	222.9	121.1	67.5
40°	1645.6	1460.1	1280.3	1091.2	900.7	712.3	558.0	407.3	265.6	145.1	82.7
37.5°	1786.9	1588.1	1394.6	1201.5	999.5	802.0	624.0	463.9	309.1	181.2	97.1
35°	1884.5	1714.4	1503.7	1304.4	1096.4	887.3	686.7	518.8	357.2	215.3	110.8
32.5°	1974.5	1823.1	1614.4	1400.1	1188.1	967.9	754.4	572.2	402.5	247.4	123.7
30°	2014.4	1902.3	1719.4	1490.2	1273.4	1046.6	823.2	622.3	444.9	277.5	139.1
27.5°	2037.9	1976.6	1811.6	1579.1	1350.7	1120.1	887.3	668.9	484.4	308.0	163.4
25°	2075.9	2010.2	1875.3	1663.2	1422.3	1188.1	946.5	712.3	522.1	340.1	185.7
22.5°	2151.0	2028.9	1933.9	1740.3	1487.9	1250.3	1001.8	761.0	557.1	369.4	206.2
20°	2219.2	2045.8	1987.0	1806.2	1549.9	1304.4	1052.8	805.0	588.8	395.8	224.6
17.5°	2353.5	2080.6	2007.0	1849.8	1606.9	1352.5	1098.1	844.2	616.9	419.3	240.9
15°	2802.0	2130.1	2019.2	1887.9	1656.7	1394.6	1137.8	878.3	641.4	439.8	255.2
12.5°	3186.3	2172.5	2029.7	1920.5	1699.2	1430.5	1171.5	907.4	662.3	457.2	267.3
10°	3504.0	2207.5	2038.3	1947.3	1734.3	1460.1	1199.3	931.3	679.4	471.5	277.2
7.5°	3753.3	2235.0	2045.1	1968.3	1761.7	1483.2	1221.0	950.0	692.8	482.7	285.0
5°	3932.6	2254.7	2049.9	1983.4	1781.3	1499.7	1236.5	963.4	702.4	490.7	290.5
2.5°	4040.6	2266.5	2052.8	1992.5	1793.2	1509.7	1245.9	971.4	708.2	495.5	293.9
0°	4076.7	2270.5	2053.8	1995.5	1797.1	1513.0	1249.0	974.1	710.1	497.1	295.0
-2.5°	4040.6	2266.5	2052.8	1992.5	1793.2	1509.7	1245.9	971.4	708.2	495.5	293.9
-5°	3932.6	2254.7	2049.9	1983.4	1781.3	1499.7	1236.5	963.4	702.4	490.7	290.5
-7.5°	3753.3	2235.0	2045.1	1968.3	1761.7	1483.2	1221.0	950.0	692.8	482.7	285.0
-10°	3504.0	2207.5	2038.3	1947.3	1734.3	1460.1	1199.3	931.3	679.4	471.5	277.2
-12.5°	3186.3	2172.5	2029.7	1920.5	1699.2	1430.5	1171.5	907.4	662.3	457.2	267.3
-15°	2802.0	2130.1	2019.2	1887.9	1656.7	1394.6	1137.8	878.3	641.4	439.8	255.2
-17.5°	2353.5	2080.6	2007.0	1849.8	1606.9	1352.5	1098.1	844.2	616.9	419.3	240.9
-20°	2219.2	2045.8	1987.0	1806.2	1549.9	1304.4	1052.8	805.0	588.8	395.8	224.6



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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°	2151.0	2028.9	1933.9	1740.3	1487.9	1250.3	1001.8	761.0	557.1	369.4	206.2
-25°	2075.9	2010.2	1875.3	1663.2	1422.3	1188.1	946.5	712.3	522.1	340.1	185.7
-27.5°	2037.9	1976.6	1811.6	1579.1	1350.7	1120.1	887.3	668.9	484.4	308.0	163.4
-30°	2014.4	1902.3	1719.4	1490.2	1273.4	1046.6	823.2	622.3	444.9	277.5	139.1
-32.5°	1974.5	1823.1	1614.4	1400.1	1188.1	967.9	754.4	572.2	402.5	247.4	123.7
-35°	1884.5	1714.4	1503.7	1304.4	1096.4	887.3	686.7	518.8	357.2	215.3	110.8
-37.5°	1786.9	1588.1	1394.6	1201.5	999.5	802.0	624.0	463.9	309.1	181.2	97.1
-40°	1645.6	1460.1	1280.3	1091.2	900.7	712.3	558.0	407.3	265.6	145.1	82.7
-42.5°	1499.7	1332.3	1157.6	976.0	798.5	636.1	489.3	347.9	222.9	121.1	67.5
-45°	1358.4	1197.8	1028.7	860.8	695.6	557.1	420.9	287.7	178.3	102.9	56.3
-47.5°	1211.2	1055.3	898.6	741.7	606.5	476.3	349.7	236.0	132.4	84.0	51.5
-50°	1055.3	911.2	766.7	636.4	514.5	395.8	279.8	182.4	110.2	64.3	46.4
-52.5°	898.6	766.7	646.4	534.3	423.7	312.9	218.8	130.2	87.3	54.1	41.2
-55°	741.7	636.4	534.3	433.0	331.4	240.9	156.1	103.9	63.7	47.9	36.1
-57.5°	606.5	514.5	423.7	331.4	248.3	170.8	114.0	76.9	52.7	41.6	32.8
-60°	476.3	395.8	312.9	240.9	170.8	117.3	83.6	55.7	45.4	35.6	29.5
-62.5°	349.7	279.8	218.8	156.1	114.0	83.6	56.6	47.4	38.0	31.8	26.1
-65°	236.0	182.4	130.2	103.9	76.9	55.7	47.4	38.9	32.9	27.8	23.1
-67.5°	132.4	110.2	87.3	63.7	52.7	45.4	38.0	32.9	28.4	23.8	21.1
-70°	84.0	64.3	54.1	47.9	41.6	35.6	31.8	27.8	23.8	21.4	19.0
-72.5°	51.5	46.4	41.2	36.1	32.8	29.5	26.1	23.1	21.1	19.0	16.9
-75°	37.0	34.2	31.7	29.0	26.2	23.5	21.8	20.1	18.4	16.6	15.2
-77.5°	28.3	26.2	24.1	22.6	21.3	19.9	18.5	17.1	15.9	14.7	13.6
-80°	21.5	20.5	19.5	18.5	17.4	16.4	15.5	14.7	13.8	12.9	12.0
-82.5°	16.6	16.0	15.4	14.8	14.2	13.6	13.0	12.4	11.7	11.0	9.8
-85°	12.8	12.5	12.1	11.7	11.3	10.9	10.1	9.2	8.3	7.4	6.5
-87.5°	7.4	7.0	6.6	6.3	5.9	5.4	5.0	4.6	4.2	3.7	3.3
-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°	2.8	2.4	1.9	1.4	0.9	0.5	0.0
85°	5.6	4.7	3.8	2.8	1.9	0.9	0.0
82.5°	8.4	7.1	5.7	4.3	2.8	1.4	0.0
80°	11.1	9.4	7.5	5.7	3.8	1.9	0.0
77.5°	12.5	11.3	9.4	7.1	4.7	2.4	0.0
75°	13.9	12.5	11.1	8.4	5.6	2.8	0.0
72.5°	15.2	13.6	12.0	9.8	6.5	3.3	0.0
70°	16.6	14.7	12.9	11.0	7.4	3.7	0.0
67.5°	18.4	15.9	13.8	11.7	8.3	4.2	0.0
65°	20.1	17.1	14.7	12.4	9.2	4.6	0.0
62.5°	21.8	18.5	15.5	13.0	10.1	5.0	0.0
60°	23.5	19.9	16.4	13.6	10.9	5.4	0.0
57.5°	26.2	21.3	17.4	14.2	11.3	5.9	0.0
55°	29.0	22.6	18.5	14.8	11.7	6.3	0.0
52.5°	31.7	24.1	19.5	15.4	12.1	6.6	0.0
50°	34.2	26.2	20.5	16.0	12.5	7.0	0.0
47.5°	37.0	28.3	21.5	16.6	12.8	7.4	0.0
45°	41.2	30.3	22.4	17.3	13.2	7.7	0.0
42.5°	45.2	32.2	23.3	17.9	13.5	8.0	0.0
40°	49.0	34.1	24.4	18.6	13.8	8.3	0.0
37.5°	52.6	35.8	25.8	19.2	14.1	8.6	0.0
35°	56.0	38.3	27.1	19.7	14.4	8.9	0.0
32.5°	61.5	40.9	28.4	20.3	14.7	9.2	0.0
30°	71.8	43.4	29.5	20.8	14.9	9.4	0.0
27.5°	81.3	45.8	30.6	21.2	15.2	9.7	0.0
25°	90.1	47.9	31.6	21.6	15.4	9.9	0.0
22.5°	98.1	49.8	32.5	22.0	15.6	10.1	0.0
20°	105.3	51.6	33.3	22.4	15.7	10.2	0.0
17.5°	111.7	53.2	34.0	22.7	15.9	10.4	0.0
15°	117.3	54.5	34.7	22.9	16.0	10.5	0.0
12.5°	122.1	55.7	35.2	23.2	16.1	10.6	0.0
10°	125.9	56.6	35.6	23.4	16.2	10.7	0.0
7.5°	129.0	57.3	36.0	23.5	16.3	10.8	0.0
5°	131.2	57.9	36.2	23.6	16.4	10.9	0.0
2.5°	132.5	58.2	36.4	23.7	16.4	10.9	0.0
0°	132.9	58.3	36.4	23.7	16.4	10.9	0.0
-2.5°	132.5	58.2	36.4	23.7	16.4	10.9	0.0
-5°	131.2	57.9	36.2	23.6	16.4	10.9	0.0
-7.5°	129.0	57.3	36.0	23.5	16.3	10.8	0.0
-10°	125.9	56.6	35.6	23.4	16.2	10.7	0.0
-12.5°	122.1	55.7	35.2	23.2	16.1	10.6	0.0
-15°	117.3	54.5	34.7	22.9	16.0	10.5	0.0
-17.5°	111.7	53.2	34.0	22.7	15.9	10.4	0.0
-20°	105.3	51.6	33.3	22.4	15.7	10.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	98.1	49.8	32.5	22.0	15.6	10.1	0.0
-25°	90.1	47.9	31.6	21.6	15.4	9.9	0.0
-27.5°	81.3	45.8	30.6	21.2	15.2	9.7	0.0
-30°	71.8	43.4	29.5	20.8	14.9	9.4	0.0
-32.5°	61.5	40.9	28.4	20.3	14.7	9.2	0.0
-35°	56.0	38.3	27.1	19.7	14.4	8.9	0.0
-37.5°	52.6	35.8	25.8	19.2	14.1	8.6	0.0
-40°	49.0	34.1	24.4	18.6	13.8	8.3	0.0
-42.5°	45.2	32.2	23.3	17.9	13.5	8.0	0.0
-45°	41.2	30.3	22.4	17.3	13.2	7.7	0.0
-47.5°	37.0	28.3	21.5	16.6	12.8	7.4	0.0
-50°	34.2	26.2	20.5	16.0	12.5	7.0	0.0
-52.5°	31.7	24.1	19.5	15.4	12.1	6.6	0.0
-55°	29.0	22.6	18.5	14.8	11.7	6.3	0.0
-57.5°	26.2	21.3	17.4	14.2	11.3	5.9	0.0
-60°	23.5	19.9	16.4	13.6	10.9	5.4	0.0
-62.5°	21.8	18.5	15.5	13.0	10.1	5.0	0.0
-65°	20.1	17.1	14.7	12.4	9.2	4.6	0.0
-67.5°	18.4	15.9	13.8	11.7	8.3	4.2	0.0
-70°	16.6	14.7	12.9	11.0	7.4	3.7	0.0
-72.5°	15.2	13.6	12.0	9.8	6.5	3.3	0.0
-75°	13.9	12.5	11.1	8.4	5.6	2.8	0.0
-77.5°	12.5	11.3	9.4	7.1	4.7	2.4	0.0
-80°	11.1	9.4	7.5	5.7	3.8	1.9	0.0
-82.5°	8.4	7.1	5.7	4.3	2.8	1.4	0.0
-85°	5.6	4.7	3.8	2.8	1.9	0.9	0.0
-87.5°	2.8	2.4	1.9	1.4	0.9	0.5	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

