

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: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-7F-HEG-S**

Issue Date: 8/15/2023

Test Information

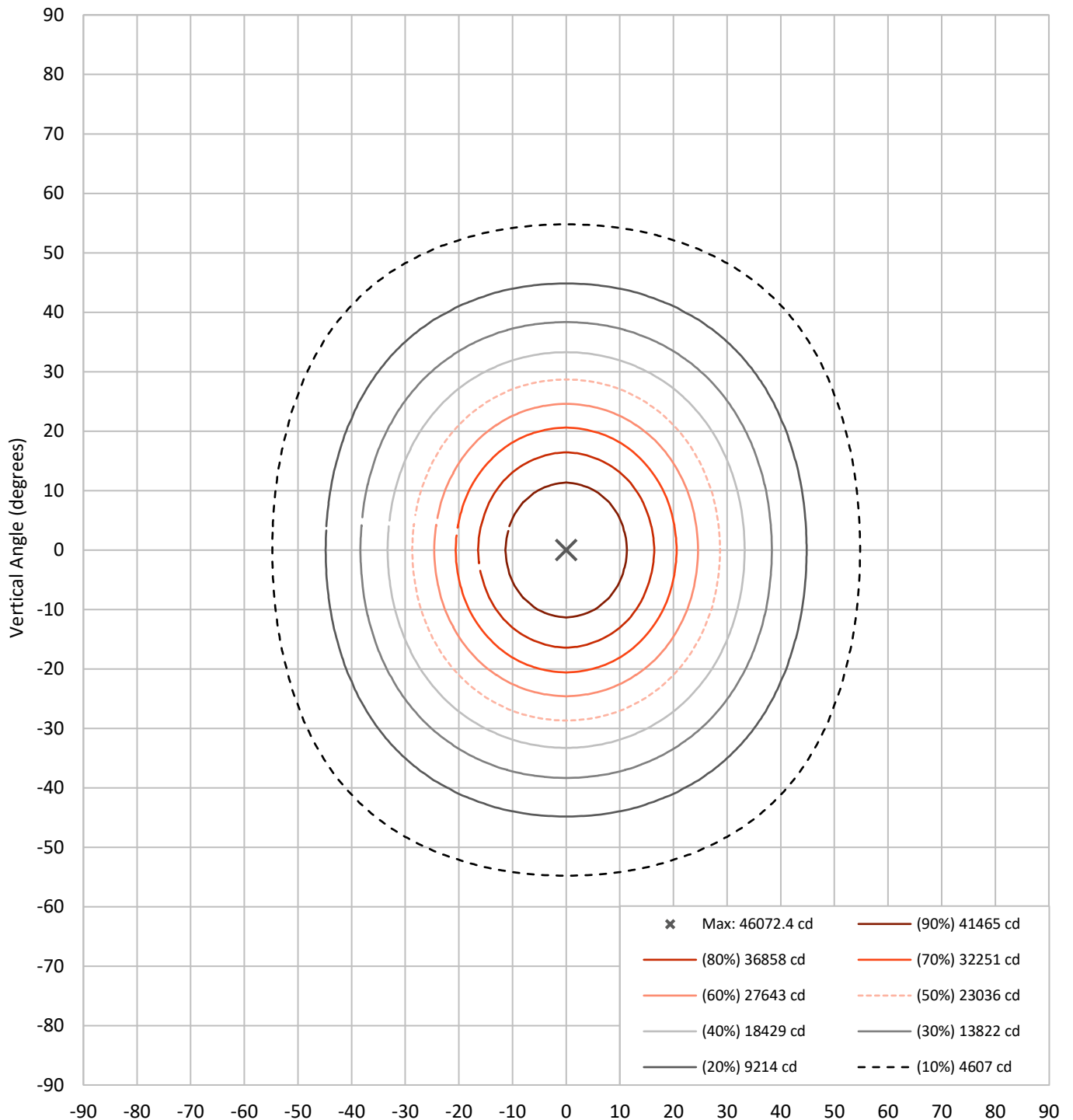
Test Method: LM-79-08
Report Number: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-7F-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	51983.7 lumens	Max Intensity:	46072.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	25601.9 lumens	Field Lumens:	47160.4 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	344.2		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





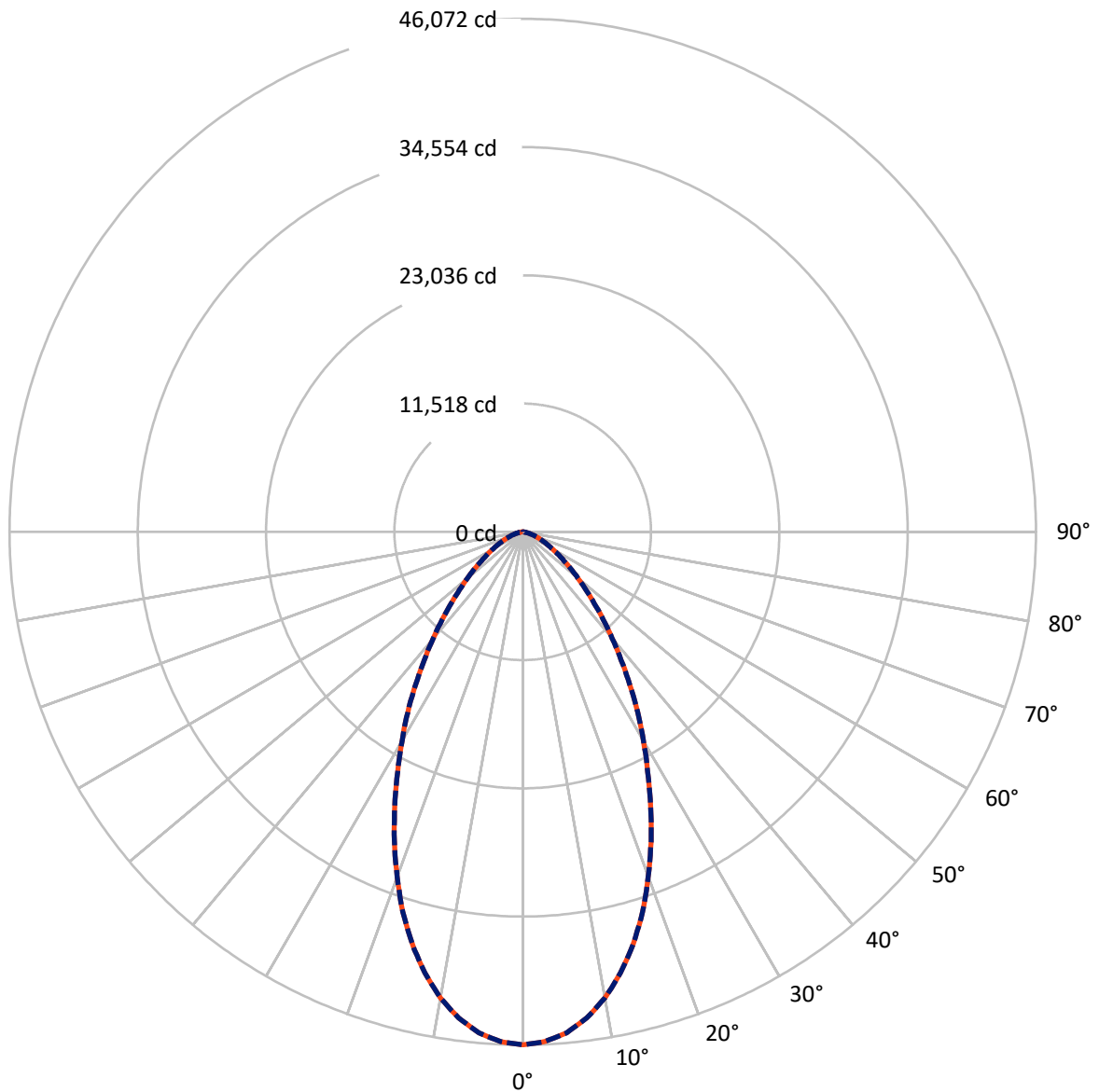
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Lumen Table

90																
80	0.6	7.0		23.8			43.7		52.3		43.7		23.8		7.0	0.6
70																
60	3.4	4.6	11.5	21.7	34.2	46.9	57.6	63.6	63.6	57.6	46.9	34.2	21.7	11.5	4.6	3.4
50		8.6	21.6	41.4	67.3	96.3	122.4	137.8	137.8	122.4	96.3	67.3	41.4	21.6	8.6	
40	7.9	13.2	33.8	67.9	117.8	179.0	237.9	274.5	274.5	237.9	179.0	117.8	67.9	33.8	13.2	7.9
30		18.0	47.5	102.0	189.5	305.7	424.0	500.2	500.2	424.0	305.7	189.5	102.0	47.5	18.0	
20	11.9	22.4	61.6	140.5	277.1	469.0	669.7	803.5	803.5	669.7	469.0	277.1	140.5	61.6	22.4	11.9
10		25.8	73.6	175.5	361.1	629.4	924.1	1122.8	1122.8	924.1	629.4	361.1	175.5	73.6	25.8	
0	13.5	27.6	80.4	196.6	413.4	732.8	1089.6	1321.9	1321.9	1089.6	732.8	413.4	196.6	80.4	27.6	13.5
-10		27.6	80.4	196.6	413.4	732.8	1089.6	1321.9	1321.9	1089.6	732.8	413.4	196.6	80.4	27.6	
-20	11.9	25.8	73.6	175.5	361.1	629.4	924.1	1122.8	1122.8	924.1	629.4	361.1	175.5	73.6	25.8	11.9
-30		22.4	61.6	140.5	277.1	469.0	669.7	803.5	803.5	669.7	469.0	277.1	140.5	61.6	22.4	
-40	7.9	18.0	47.5	102.0	189.5	305.7	424.0	500.2	500.2	424.0	305.7	189.5	102.0	47.5	18.0	7.9
-50		13.2	33.8	67.9	117.8	179.0	237.9	274.5	274.5	237.9	179.0	117.8	67.9	33.8	13.2	
-60	3.4	8.6	21.6	41.4	67.3	96.3	122.4	137.8	137.8	122.4	96.3	67.3	41.4	21.6	8.6	3.4
-70		4.6	11.5	21.7	34.2	46.9	57.6	63.6	63.6	57.6	46.9	34.2	21.7	11.5	4.6	
-80																
-90	0.6	7.0		23.8			43.7		52.3		43.7		23.8		7.0	0.6

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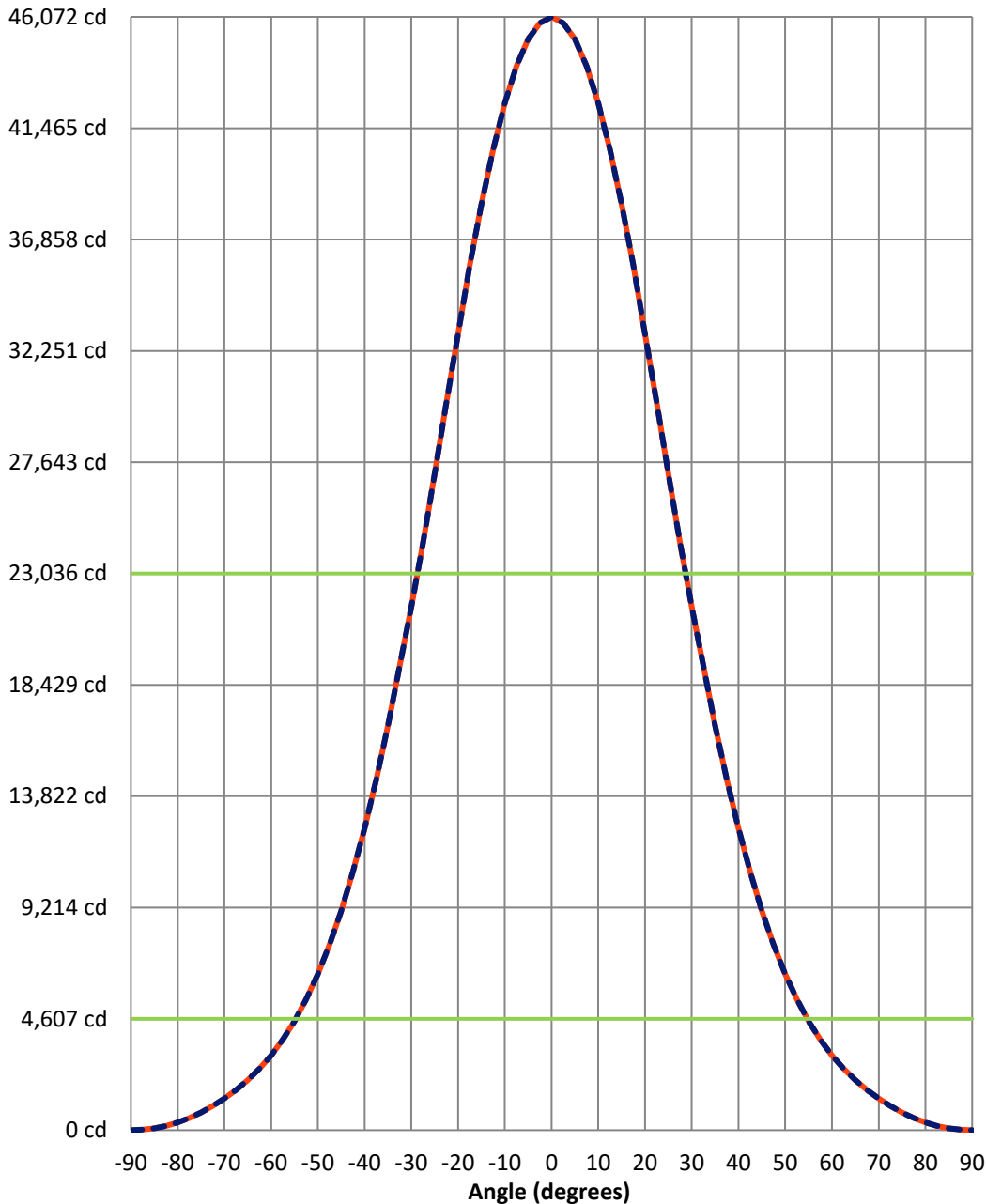
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 57.4°
 V Angle: 57.4°
 Lumens: 25601.9
 Efficiency: 49.2%

Field:
 H Angle: 109.4°
 V Angle: 109.4°
 Lumens: 47160.4
 Efficiency: 90.7%

Spill:
 Lumens: 4823.3
 Efficiency: 9.3%

- 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	1.0	2.0	3.1	4.1	5.1	6.1	7.0	8.0	9.0	9.9
85°	0.0	2.0	4.1	6.1	8.1	10.1	12.1	14.1	16.0	17.9	19.8
82.5°	0.0	3.1	6.1	9.1	12.2	15.2	18.1	21.1	24.7	31.2	37.5
80°	0.0	4.1	8.1	12.2	16.2	20.2	25.0	33.9	42.7	51.4	59.9
77.5°	0.0	5.1	10.1	15.2	20.2	27.4	38.6	49.7	60.7	71.5	86.5
75°	0.0	6.1	12.1	18.1	25.0	38.6	52.0	65.3	79.9	103.5	126.7
72.5°	0.0	7.0	14.1	21.1	33.9	49.7	65.3	84.1	112.0	139.5	166.5
70°	0.0	8.0	16.0	24.7	42.7	60.7	79.9	112.0	143.8	175.5	221.1
67.5°	0.0	9.0	17.9	31.2	51.4	71.5	103.5	139.5	175.5	227.5	278.6
65°	0.0	9.9	19.8	37.5	59.9	86.5	126.7	166.5	221.1	278.6	340.0
62.5°	0.0	10.8	21.6	43.8	68.2	105.5	149.5	202.1	265.9	331.8	411.6
60°	0.0	11.7	23.4	49.9	76.4	124.1	171.8	240.5	309.7	395.1	481.8
57.5°	0.0	12.6	27.3	55.9	90.6	142.2	202.8	278.1	362.3	457.0	560.8
55°	0.0	13.4	31.2	61.7	104.7	159.9	234.2	314.7	416.1	520.4	642.7
52.5°	0.0	14.2	35.0	67.3	118.5	178.4	264.6	359.3	468.3	592.2	722.5
50°	0.0	15.0	38.6	72.8	131.7	203.0	294.2	403.5	522.2	661.9	813.7
47.5°	0.0	15.8	42.1	79.1	144.5	226.7	323.8	446.3	582.1	729.3	903.6
45°	0.0	16.5	45.5	88.3	156.9	249.5	359.1	487.5	639.7	806.9	990.4
42.5°	0.0	17.2	48.7	97.2	168.7	271.4	392.9	532.1	695.0	881.7	1083.6
40°	0.0	17.9	51.8	105.6	182.6	292.3	425.1	578.3	751.3	953.3	1174.5
37.5°	0.0	18.6	54.7	113.6	198.5	312.1	455.8	622.2	811.7	1024.1	1261.1
35°	0.0	19.2	57.4	121.2	213.4	334.4	484.8	663.7	868.9	1097.7	1347.5
32.5°	0.0	19.7	60.0	128.3	227.5	357.0	513.9	702.8	922.8	1167.0	1435.6
30°	0.0	20.3	62.5	134.9	240.6	378.2	545.1	741.1	973.2	1232.0	1518.2
27.5°	0.0	20.8	64.7	141.1	252.8	397.9	574.1	781.9	1022.4	1292.4	1595.1
25°	0.0	21.2	66.8	146.8	264.0	416.0	600.8	819.4	1071.6	1353.0	1666.5
22.5°	0.0	21.6	68.7	151.9	274.3	432.5	625.1	853.6	1116.4	1410.8	1742.1
20°	0.0	22.0	70.3	156.6	283.5	447.3	647.0	884.5	1156.9	1463.0	1810.3
17.5°	0.0	22.3	71.8	160.7	291.6	460.5	666.5	911.9	1192.8	1509.3	1871.0
15°	0.0	22.6	73.2	164.3	298.7	472.0	683.4	935.8	1224.1	1549.8	1924.0
12.5°	0.0	22.8	74.3	167.3	304.8	481.8	697.8	956.1	1250.8	1584.2	1969.1
10°	0.0	23.0	75.2	169.8	309.7	489.8	709.7	972.8	1272.7	1612.5	2006.2
7.5°	0.0	23.2	75.9	171.8	313.6	496.0	718.9	985.8	1289.7	1634.6	2035.2
5°	0.0	23.3	76.4	173.2	316.4	500.5	725.5	995.1	1302.0	1650.4	2056.0
2.5°	0.0	23.4	76.7	174.0	318.0	503.2	729.5	1000.7	1309.3	1659.9	2068.4
0°	0.0	23.4	76.8	174.3	318.6	504.1	730.8	1002.6	1311.8	1663.1	2072.6
-2.5°	0.0	23.4	76.7	174.0	318.0	503.2	729.5	1000.7	1309.3	1659.9	2068.4
-5°	0.0	23.3	76.4	173.2	316.4	500.5	725.5	995.1	1302.0	1650.4	2056.0
-7.5°	0.0	23.2	75.9	171.8	313.6	496.0	718.9	985.8	1289.7	1634.6	2035.2
-10°	0.0	23.0	75.2	169.8	309.7	489.8	709.7	972.8	1272.7	1612.5	2006.2
-12.5°	0.0	22.8	74.3	167.3	304.8	481.8	697.8	956.1	1250.8	1584.2	1969.1
-15°	0.0	22.6	73.2	164.3	298.7	472.0	683.4	935.8	1224.1	1549.8	1924.0
-17.5°	0.0	22.3	71.8	160.7	291.6	460.5	666.5	911.9	1192.8	1509.3	1871.0
-20°	0.0	22.0	70.3	156.6	283.5	447.3	647.0	884.5	1156.9	1463.0	1810.3



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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	21.6	68.7	151.9	274.3	432.5	625.1	853.6	1116.4	1410.8	1742.1
-25°	0.0	21.2	66.8	146.8	264.0	416.0	600.8	819.4	1071.6	1353.0	1666.5
-27.5°	0.0	20.8	64.7	141.1	252.8	397.9	574.1	781.9	1022.4	1292.4	1595.1
-30°	0.0	20.3	62.5	134.9	240.6	378.2	545.1	741.1	973.2	1232.0	1518.2
-32.5°	0.0	19.7	60.0	128.3	227.5	357.0	513.9	702.8	922.8	1167.0	1435.6
-35°	0.0	19.2	57.4	121.2	213.4	334.4	484.8	663.7	868.9	1097.7	1347.5
-37.5°	0.0	18.6	54.7	113.6	198.5	312.1	455.8	622.2	811.7	1024.1	1261.1
-40°	0.0	17.9	51.8	105.6	182.6	292.3	425.1	578.3	751.3	953.3	1174.5
-42.5°	0.0	17.2	48.7	97.2	168.7	271.4	392.9	532.1	695.0	881.7	1083.6
-45°	0.0	16.5	45.5	88.3	156.9	249.5	359.1	487.5	639.7	806.9	990.4
-47.5°	0.0	15.8	42.1	79.1	144.5	226.7	323.8	446.3	582.1	729.3	903.6
-50°	0.0	15.0	38.6	72.8	131.7	203.0	294.2	403.5	522.2	661.9	813.7
-52.5°	0.0	14.2	35.0	67.3	118.5	178.4	264.6	359.3	468.3	592.2	722.5
-55°	0.0	13.4	31.2	61.7	104.7	159.9	234.2	314.7	416.1	520.4	642.7
-57.5°	0.0	12.6	27.3	55.9	90.6	142.2	202.8	278.1	362.3	457.0	560.8
-60°	0.0	11.7	23.4	49.9	76.4	124.1	171.8	240.5	309.7	395.1	481.8
-62.5°	0.0	10.8	21.6	43.8	68.2	105.5	149.5	202.1	265.9	331.8	411.6
-65°	0.0	9.9	19.8	37.5	59.9	86.5	126.7	166.5	221.1	278.6	340.0
-67.5°	0.0	9.0	17.9	31.2	51.4	71.5	103.5	139.5	175.5	227.5	278.6
-70°	0.0	8.0	16.0	24.7	42.7	60.7	79.9	112.0	143.8	175.5	221.1
-72.5°	0.0	7.0	14.1	21.1	33.9	49.7	65.3	84.1	112.0	139.5	166.5
-75°	0.0	6.1	12.1	18.1	25.0	38.6	52.0	65.3	79.9	103.5	126.7
-77.5°	0.0	5.1	10.1	15.2	20.2	27.4	38.6	49.7	60.7	71.5	86.5
-80°	0.0	4.1	8.1	12.2	16.2	20.2	25.0	33.9	42.7	51.4	59.9
-82.5°	0.0	3.1	6.1	9.1	12.2	15.2	18.1	21.1	24.7	31.2	37.5
-85°	0.0	2.0	4.1	6.1	8.1	10.1	12.1	14.1	16.0	17.9	19.8
-87.5°	0.0	1.0	2.0	3.1	4.1	5.1	6.1	7.0	8.0	9.0	9.9
-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-08-0320L-40-80-7F-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°	10.8	11.7	12.6	13.4	14.2	15.0	15.8	16.5	17.2	17.9	18.6
85°	21.6	23.4	27.3	31.2	35.0	38.6	42.1	45.5	48.7	51.8	54.7
82.5°	43.8	49.9	55.9	61.7	67.3	72.8	79.1	88.3	97.2	105.6	113.6
80°	68.2	76.4	90.6	104.7	118.5	131.7	144.5	156.9	168.7	182.6	198.5
77.5°	105.5	124.1	142.2	159.9	178.4	203.0	226.7	249.5	271.4	292.3	312.1
75°	149.5	171.8	202.8	234.2	264.6	294.2	323.8	359.1	392.9	425.1	455.8
72.5°	202.1	240.5	278.1	314.7	359.3	403.5	446.3	487.5	532.1	578.3	622.2
70°	265.9	309.7	362.3	416.1	468.3	522.2	582.1	639.7	695.0	751.3	811.7
67.5°	331.8	395.1	457.0	520.4	592.2	661.9	729.3	806.9	881.7	953.3	1024.1
65°	411.6	481.8	560.8	642.7	722.5	813.7	903.6	990.4	1083.6	1174.5	1261.1
62.5°	490.0	581.0	673.2	769.7	874.9	977.1	1086.3	1195.1	1299.9	1412.3	1521.1
60°	581.0	683.4	794.3	911.9	1029.9	1156.9	1280.0	1410.8	1541.1	1666.5	1805.7
57.5°	673.2	794.3	924.3	1058.2	1199.5	1340.5	1492.3	1639.1	1800.2	1958.8	2116.3
55°	769.7	911.9	1058.2	1213.8	1373.2	1541.5	1712.1	1896.9	2075.8	2274.1	2464.0
52.5°	874.9	1029.9	1199.5	1373.2	1558.0	1750.8	1955.5	2166.6	2388.4	2610.4	2846.1
50°	977.1	1156.9	1340.5	1541.5	1750.8	1975.1	2212.3	2457.6	2717.5	2981.0	3265.1
47.5°	1086.3	1280.0	1492.3	1712.1	1955.5	2212.3	2480.8	2771.5	3062.8	3399.0	3728.0
45°	1195.1	1410.8	1639.1	1896.9	2166.6	2457.6	2771.5	3090.2	3466.4	3841.6	4242.3
42.5°	1299.9	1541.1	1800.2	2075.8	2388.4	2717.5	3062.8	3466.4	3880.8	4321.9	4797.4
40°	1412.3	1666.5	1958.8	2274.1	2610.4	2981.0	3399.0	3841.6	4321.9	4846.4	5390.8
37.5°	1521.1	1805.7	2116.3	2464.0	2846.1	3265.1	3728.0	4242.3	4797.4	5390.8	6044.9
35°	1624.4	1938.0	2283.1	2660.0	3071.0	3559.1	4084.4	4651.2	5291.1	5986.6	6718.4
32.5°	1731.8	2063.0	2441.0	2857.3	3326.3	3850.8	4427.0	5093.5	5812.6	6578.8	7433.7
30°	1838.5	2197.3	2596.0	3043.2	3570.9	4152.2	4801.4	5526.4	6325.4	7220.3	8179.8
27.5°	1938.0	2323.9	2755.5	3244.2	3806.7	4434.8	5168.7	5977.5	6869.4	7848.1	8920.6
25°	2029.9	2441.0	2903.1	3439.8	4049.4	4736.8	5524.0	6398.5	7399.6	8498.5	9705.5
22.5°	2120.3	2548.5	3038.4	3619.3	4272.3	5028.3	5884.3	6843.9	7920.8	9106.6	10459.1
20°	2208.0	2660.0	3176.1	3786.3	4474.6	5293.2	6212.4	7259.5	8433.8	9749.6	11199.8
17.5°	2286.1	2759.3	3308.7	3952.1	4686.0	5546.5	6514.6	7632.7	8895.5	10329.7	11892.5
15°	2354.3	2846.1	3424.8	4097.3	4877.2	5784.4	6817.6	8002.0	9340.1	10858.2	12508.9
12.5°	2412.4	2920.1	3523.8	4221.3	5040.6	5987.9	7077.2	8324.5	9747.2	11346.7	13107.0
10°	2460.2	2981.0	3605.4	4323.5	5175.4	6156.1	7291.8	8591.6	10084.8	11752.7	13605.0
7.5°	2497.6	3028.7	3669.2	4403.4	5280.9	6287.8	7460.2	8801.3	10350.4	12072.5	13998.1
5°	2524.3	3062.8	3715.0	4460.8	5356.7	6382.5	7581.3	8952.3	10541.7	12303.1	14282.0
2.5°	2540.4	3083.3	3742.5	4495.4	5402.4	6439.6	7654.2	9043.3	10657.1	12442.4	14453.7
0°	2545.8	3090.2	3751.7	4506.9	5417.6	6458.6	7678.6	9073.7	10695.7	12489.0	14511.1
-2.5°	2540.4	3083.3	3742.5	4495.4	5402.4	6439.6	7654.2	9043.3	10657.1	12442.4	14453.7
-5°	2524.3	3062.8	3715.0	4460.8	5356.7	6382.5	7581.3	8952.3	10541.7	12303.1	14282.0
-7.5°	2497.6	3028.7	3669.2	4403.4	5280.9	6287.8	7460.2	8801.3	10350.4	12072.5	13998.1
-10°	2460.2	2981.0	3605.4	4323.5	5175.4	6156.1	7291.8	8591.6	10084.8	11752.7	13605.0
-12.5°	2412.4	2920.1	3523.8	4221.3	5040.6	5987.9	7077.2	8324.5	9747.2	11346.7	13107.0
-15°	2354.3	2846.1	3424.8	4097.3	4877.2	5784.4	6817.6	8002.0	9340.1	10858.2	12508.9
-17.5°	2286.1	2759.3	3308.7	3952.1	4686.0	5546.5	6514.6	7632.7	8895.5	10329.7	11892.5
-20°	2208.0	2660.0	3176.1	3786.3	4474.6	5293.2	6212.4	7259.5	8433.8	9749.6	11199.8



REPORT NUMBER: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2120.3	2548.5	3038.4	3619.3	4272.3	5028.3	5884.3	6843.9	7920.8	9106.6	10459.1
-25°	2029.9	2441.0	2903.1	3439.8	4049.4	4736.8	5524.0	6398.5	7399.6	8498.5	9705.5
-27.5°	1938.0	2323.9	2755.5	3244.2	3806.7	4434.8	5168.7	5977.5	6869.4	7848.1	8920.6
-30°	1838.5	2197.3	2596.0	3043.2	3570.9	4152.2	4801.4	5526.4	6325.4	7220.3	8179.8
-32.5°	1731.8	2063.0	2441.0	2857.3	3326.3	3850.8	4427.0	5093.5	5812.6	6578.8	7433.7
-35°	1624.4	1938.0	2283.1	2660.0	3071.0	3559.1	4084.4	4651.2	5291.1	5986.6	6718.4
-37.5°	1521.1	1805.7	2116.3	2464.0	2846.1	3265.1	3728.0	4242.3	4797.4	5390.8	6044.9
-40°	1412.3	1666.5	1958.8	2274.1	2610.4	2981.0	3399.0	3841.6	4321.9	4846.4	5390.8
-42.5°	1299.9	1541.1	1800.2	2075.8	2388.4	2717.5	3062.8	3466.4	3880.8	4321.9	4797.4
-45°	1195.1	1410.8	1639.1	1896.9	2166.6	2457.6	2771.5	3090.2	3466.4	3841.6	4242.3
-47.5°	1086.3	1280.0	1492.3	1712.1	1955.5	2212.3	2480.8	2771.5	3062.8	3399.0	3728.0
-50°	977.1	1156.9	1340.5	1541.5	1750.8	1975.1	2212.3	2457.6	2717.5	2981.0	3265.1
-52.5°	874.9	1029.9	1199.5	1373.2	1558.0	1750.8	1955.5	2166.6	2388.4	2610.4	2846.1
-55°	769.7	911.9	1058.2	1213.8	1373.2	1541.5	1712.1	1896.9	2075.8	2274.1	2464.0
-57.5°	673.2	794.3	924.3	1058.2	1199.5	1340.5	1492.3	1639.1	1800.2	1958.8	2116.3
-60°	581.0	683.4	794.3	911.9	1029.9	1156.9	1280.0	1410.8	1541.1	1666.5	1805.7
-62.5°	490.0	581.0	673.2	769.7	874.9	977.1	1086.3	1195.1	1299.9	1412.3	1521.1
-65°	411.6	481.8	560.8	642.7	722.5	813.7	903.6	990.4	1083.6	1174.5	1261.1
-67.5°	331.8	395.1	457.0	520.4	592.2	661.9	729.3	806.9	881.7	953.3	1024.1
-70°	265.9	309.7	362.3	416.1	468.3	522.2	582.1	639.7	695.0	751.3	811.7
-72.5°	202.1	240.5	278.1	314.7	359.3	403.5	446.3	487.5	532.1	578.3	622.2
-75°	149.5	171.8	202.8	234.2	264.6	294.2	323.8	359.1	392.9	425.1	455.8
-77.5°	105.5	124.1	142.2	159.9	178.4	203.0	226.7	249.5	271.4	292.3	312.1
-80°	68.2	76.4	90.6	104.7	118.5	131.7	144.5	156.9	168.7	182.6	198.5
-82.5°	43.8	49.9	55.9	61.7	67.3	72.8	79.1	88.3	97.2	105.6	113.6
-85°	21.6	23.4	27.3	31.2	35.0	38.6	42.1	45.5	48.7	51.8	54.7
-87.5°	10.8	11.7	12.6	13.4	14.2	15.0	15.8	16.5	17.2	17.9	18.6
-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: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-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°	19.2	19.7	20.3	20.8	21.2	21.6	22.0	22.3	22.6	22.8	23.0
85°	57.4	60.0	62.5	64.7	66.8	68.7	70.3	71.8	73.2	74.3	75.2
82.5°	121.2	128.3	134.9	141.1	146.8	151.9	156.6	160.7	164.3	167.3	169.8
80°	213.4	227.5	240.6	252.8	264.0	274.3	283.5	291.6	298.7	304.8	309.7
77.5°	334.4	357.0	378.2	397.9	416.0	432.5	447.3	460.5	472.0	481.8	489.8
75°	484.8	513.9	545.1	574.1	600.8	625.1	647.0	666.5	683.4	697.8	709.7
72.5°	663.7	702.8	741.1	781.9	819.4	853.6	884.5	911.9	935.8	956.1	972.8
70°	868.9	922.8	973.2	1022.4	1071.6	1116.4	1156.9	1192.8	1224.1	1250.8	1272.7
67.5°	1097.7	1167.0	1232.0	1292.4	1353.0	1410.8	1463.0	1509.3	1549.8	1584.2	1612.5
65°	1347.5	1435.6	1518.2	1595.1	1666.5	1742.1	1810.3	1871.0	1924.0	1969.1	2006.2
62.5°	1624.4	1731.8	1838.5	1938.0	2029.9	2120.3	2208.0	2286.1	2354.3	2412.4	2460.2
60°	1938.0	2063.0	2197.3	2323.9	2441.0	2548.5	2660.0	2759.3	2846.1	2920.1	2981.0
57.5°	2283.1	2441.0	2596.0	2755.5	2903.1	3038.4	3176.1	3308.7	3424.8	3523.8	3605.4
55°	2660.0	2857.3	3043.2	3244.2	3439.8	3619.3	3786.3	3952.1	4097.3	4221.3	4323.5
52.5°	3071.0	3326.3	3570.9	3806.7	4049.4	4272.3	4474.6	4686.0	4877.2	5040.6	5175.4
50°	3559.1	3850.8	4152.2	4434.8	4736.8	5028.3	5293.2	5546.5	5784.4	5987.9	6156.1
47.5°	4084.4	4427.0	4801.4	5168.7	5524.0	5884.3	6212.4	6514.6	6817.6	7077.2	7291.8
45°	4651.2	5093.5	5526.4	5977.5	6398.5	6843.9	7259.5	7632.7	8002.0	8324.5	8591.6
42.5°	5291.1	5812.6	6325.4	6869.4	7399.6	7920.8	8433.8	8895.5	9340.1	9747.2	10084.8
40°	5986.6	6578.8	7220.3	7848.1	8498.5	9106.6	9749.6	10329.7	10858.2	11346.7	11752.7
37.5°	6718.4	7433.7	8179.8	8920.6	9705.5	10459.1	11199.8	11892.5	12508.9	13107.0	13605.0
35°	7505.4	8347.5	9194.8	10113.0	11008.9	11902.7	12757.2	13600.5	14350.6	15050.8	15649.3
32.5°	8347.5	9295.3	10319.3	11359.8	12382.2	13448.8	14448.4	15446.5	16343.2	17162.5	17883.7
30°	9194.8	10319.3	11477.8	12642.8	13872.2	15082.2	16267.8	17416.5	18490.7	19427.4	20212.4
27.5°	10113.0	11359.8	12642.8	14014.8	15407.6	16775.4	18182.9	19475.9	20637.1	21655.7	22581.9
25°	11008.9	12382.2	13872.2	15407.6	16963.4	18573.6	20081.5	21473.5	22818.0	24017.1	25098.7
22.5°	11902.7	13448.8	15082.2	16775.4	18573.6	20286.3	21920.0	23539.1	25078.4	26504.7	27738.1
20°	12757.2	14448.4	16267.8	18182.9	20081.5	21920.0	23783.7	25636.8	27388.5	28990.7	30366.4
17.5°	13600.5	15446.5	17416.5	19475.9	21473.5	23539.1	25636.8	27694.8	29640.1	31363.9	32857.8
15°	14350.6	16343.2	18490.7	20637.1	22818.0	25078.4	27388.5	29640.1	31706.1	33592.1	35266.9
12.5°	15050.8	17162.5	19427.4	21655.7	24017.1	26504.7	28990.7	31363.9	33592.1	35673.7	37352.6
10°	15649.3	17883.7	20212.4	22581.9	25098.7	27738.1	30366.4	32857.8	35266.9	37352.6	39183.4
7.5°	16122.7	18455.7	20837.2	23322.5	25987.4	28748.0	31461.2	34093.8	36571.1	38757.8	40594.8
5°	16465.2	18870.5	21291.6	23862.9	26638.8	29492.6	32274.5	35022.0	37518.9	39771.9	41650.5
2.5°	16672.6	19122.0	21567.6	24192.0	27036.7	29949.4	32776.4	35599.4	38115.7	40376.5	42282.2
0°	16742.0	19206.3	21660.2	24302.5	27170.6	30103.4	32946.2	35795.6	38319.8	40576.1	42499.7
-2.5°	16672.6	19122.0	21567.6	24192.0	27036.7	29949.4	32776.4	35599.4	38115.7	40376.5	42282.2
-5°	16465.2	18870.5	21291.6	23862.9	26638.8	29492.6	32274.5	35022.0	37518.9	39771.9	41650.5
-7.5°	16122.7	18455.7	20837.2	23322.5	25987.4	28748.0	31461.2	34093.8	36571.1	38757.8	40594.8
-10°	15649.3	17883.7	20212.4	22581.9	25098.7	27738.1	30366.4	32857.8	35266.9	37352.6	39183.4
-12.5°	15050.8	17162.5	19427.4	21655.7	24017.1	26504.7	28990.7	31363.9	33592.1	35673.7	37352.6
-15°	14350.6	16343.2	18490.7	20637.1	22818.0	25078.4	27388.5	29640.1	31706.1	33592.1	35266.9
-17.5°	13600.5	15446.5	17416.5	19475.9	21473.5	23539.1	25636.8	27694.8	29640.1	31363.9	32857.8
-20°	12757.2	14448.4	16267.8	18182.9	20081.5	21920.0	23783.7	25636.8	27388.5	28990.7	30366.4



REPORT NUMBER: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11902.7	13448.8	15082.2	16775.4	18573.6	20286.3	21920.0	23539.1	25078.4	26504.7	27738.1
-25°	11008.9	12382.2	13872.2	15407.6	16963.4	18573.6	20081.5	21473.5	22818.0	24017.1	25098.7
-27.5°	10113.0	11359.8	12642.8	14014.8	15407.6	16775.4	18182.9	19475.9	20637.1	21655.7	22581.9
-30°	9194.8	10319.3	11477.8	12642.8	13872.2	15082.2	16267.8	17416.5	18490.7	19427.4	20212.4
-32.5°	8347.5	9295.3	10319.3	11359.8	12382.2	13448.8	14448.4	15446.5	16343.2	17162.5	17883.7
-35°	7505.4	8347.5	9194.8	10113.0	11008.9	11902.7	12757.2	13600.5	14350.6	15050.8	15649.3
-37.5°	6718.4	7433.7	8179.8	8920.6	9705.5	10459.1	11199.8	11892.5	12508.9	13107.0	13605.0
-40°	5986.6	6578.8	7220.3	7848.1	8498.5	9106.6	9749.6	10329.7	10858.2	11346.7	11752.7
-42.5°	5291.1	5812.6	6325.4	6869.4	7399.6	7920.8	8433.8	8895.5	9340.1	9747.2	10084.8
-45°	4651.2	5093.5	5526.4	5977.5	6398.5	6843.9	7259.5	7632.7	8002.0	8324.5	8591.6
-47.5°	4084.4	4427.0	4801.4	5168.7	5524.0	5884.3	6212.4	6514.6	6817.6	7077.2	7291.8
-50°	3559.1	3850.8	4152.2	4434.8	4736.8	5028.3	5293.2	5546.5	5784.4	5987.9	6156.1
-52.5°	3071.0	3326.3	3570.9	3806.7	4049.4	4272.3	4474.6	4686.0	4877.2	5040.6	5175.4
-55°	2660.0	2857.3	3043.2	3244.2	3439.8	3619.3	3786.3	3952.1	4097.3	4221.3	4323.5
-57.5°	2283.1	2441.0	2596.0	2755.5	2903.1	3038.4	3176.1	3308.7	3424.8	3523.8	3605.4
-60°	1938.0	2063.0	2197.3	2323.9	2441.0	2548.5	2660.0	2759.3	2846.1	2920.1	2981.0
-62.5°	1624.4	1731.8	1838.5	1938.0	2029.9	2120.3	2208.0	2286.1	2354.3	2412.4	2460.2
-65°	1347.5	1435.6	1518.2	1595.1	1666.5	1742.1	1810.3	1871.0	1924.0	1969.1	2006.2
-67.5°	1097.7	1167.0	1232.0	1292.4	1353.0	1410.8	1463.0	1509.3	1549.8	1584.2	1612.5
-70°	868.9	922.8	973.2	1022.4	1071.6	1116.4	1156.9	1192.8	1224.1	1250.8	1272.7
-72.5°	663.7	702.8	741.1	781.9	819.4	853.6	884.5	911.9	935.8	956.1	972.8
-75°	484.8	513.9	545.1	574.1	600.8	625.1	647.0	666.5	683.4	697.8	709.7
-77.5°	334.4	357.0	378.2	397.9	416.0	432.5	447.3	460.5	472.0	481.8	489.8
-80°	213.4	227.5	240.6	252.8	264.0	274.3	283.5	291.6	298.7	304.8	309.7
-82.5°	121.2	128.3	134.9	141.1	146.8	151.9	156.6	160.7	164.3	167.3	169.8
-85°	57.4	60.0	62.5	64.7	66.8	68.7	70.3	71.8	73.2	74.3	75.2
-87.5°	19.2	19.7	20.3	20.8	21.2	21.6	22.0	22.3	22.6	22.8	23.0
-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: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-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°	23.2	23.3	23.4	23.4	23.4	23.3	23.2	23.0	22.8	22.6	22.3
85°	75.9	76.4	76.7	76.8	76.7	76.4	75.9	75.2	74.3	73.2	71.8
82.5°	171.8	173.2	174.0	174.3	174.0	173.2	171.8	169.8	167.3	164.3	160.7
80°	313.6	316.4	318.0	318.6	318.0	316.4	313.6	309.7	304.8	298.7	291.6
77.5°	496.0	500.5	503.2	504.1	503.2	500.5	496.0	489.8	481.8	472.0	460.5
75°	718.9	725.5	729.5	730.8	729.5	725.5	718.9	709.7	697.8	683.4	666.5
72.5°	985.8	995.1	1000.7	1002.6	1000.7	995.1	985.8	972.8	956.1	935.8	911.9
70°	1289.7	1302.0	1309.3	1311.8	1309.3	1302.0	1289.7	1272.7	1250.8	1224.1	1192.8
67.5°	1634.6	1650.4	1659.9	1663.1	1659.9	1650.4	1634.6	1612.5	1584.2	1549.8	1509.3
65°	2035.2	2056.0	2068.4	2072.6	2068.4	2056.0	2035.2	2006.2	1969.1	1924.0	1871.0
62.5°	2497.6	2524.3	2540.4	2545.8	2540.4	2524.3	2497.6	2460.2	2412.4	2354.3	2286.1
60°	3028.7	3062.8	3083.3	3090.2	3083.3	3062.8	3028.7	2981.0	2920.1	2846.1	2759.3
57.5°	3669.2	3715.0	3742.5	3751.7	3742.5	3715.0	3669.2	3605.4	3523.8	3424.8	3308.7
55°	4403.4	4460.8	4495.4	4506.9	4495.4	4460.8	4403.4	4323.5	4221.3	4097.3	3952.1
52.5°	5280.9	5356.7	5402.4	5417.6	5402.4	5356.7	5280.9	5175.4	5040.6	4877.2	4686.0
50°	6287.8	6382.5	6439.6	6458.6	6439.6	6382.5	6287.8	6156.1	5987.9	5784.4	5546.5
47.5°	7460.2	7581.3	7654.2	7678.6	7654.2	7581.3	7460.2	7291.8	7077.2	6817.6	6514.6
45°	8801.3	8952.3	9043.3	9073.7	9043.3	8952.3	8801.3	8591.6	8324.5	8002.0	7632.7
42.5°	10350.4	10541.7	10657.1	10695.7	10657.1	10541.7	10350.4	10084.8	9747.2	9340.1	8895.5
40°	12072.5	12303.1	12442.4	12489.0	12442.4	12303.1	12072.5	11752.7	11346.7	10858.2	10329.7
37.5°	13998.1	14282.0	14453.7	14511.1	14453.7	14282.0	13998.1	13605.0	13107.0	12508.9	11892.5
35°	16122.7	16465.2	16672.6	16742.0	16672.6	16465.2	16122.7	15649.3	15050.8	14350.6	13600.5
32.5°	18455.7	18870.5	19122.0	19206.3	19122.0	18870.5	18455.7	17883.7	17162.5	16343.2	15446.5
30°	20837.2	21291.6	21567.6	21660.2	21567.6	21291.6	20837.2	20212.4	19427.4	18490.7	17416.5
27.5°	23322.5	23862.9	24192.0	24302.5	24192.0	23862.9	23322.5	22581.9	21655.7	20637.1	19475.9
25°	25987.4	26638.8	27036.7	27170.6	27036.7	26638.8	25987.4	25098.7	24017.1	22818.0	21473.5
22.5°	28748.0	29492.6	29949.4	30103.4	29949.4	29492.6	28748.0	27738.1	26504.7	25078.4	23539.1
20°	31461.2	32274.5	32776.4	32946.2	32776.4	32274.5	31461.2	30366.4	28990.7	27388.5	25636.8
17.5°	34093.8	35022.0	35599.4	35795.6	35599.4	35022.0	34093.8	32857.8	31363.9	29640.1	27694.8
15°	36571.1	37518.9	38115.7	38319.8	38115.7	37518.9	36571.1	35266.9	33592.1	31706.1	29640.1
12.5°	38757.8	39771.9	40376.5	40576.1	40376.5	39771.9	38757.8	37352.6	35673.7	33592.1	31363.9
10°	40594.8	41650.5	42282.2	42499.7	42282.2	41650.5	40594.8	39183.4	37352.6	35266.9	32857.8
7.5°	42077.4	43152.6	43820.8	44035.9	43820.8	43152.6	42077.4	40594.8	38757.8	36571.1	34093.8
5°	43152.6	44266.9	44913.8	45153.2	44913.8	44266.9	43152.6	41650.5	39771.9	37518.9	35022.0
2.5°	43820.8	44913.8	45587.5	45816.2	45587.5	44913.8	43820.8	42282.2	40376.5	38115.7	35599.4
0°	44035.9	45153.2	45816.2	46072.4	45816.2	45153.2	44035.9	42499.7	40576.1	38319.8	35795.6
-2.5°	43820.8	44913.8	45587.5	45816.2	45587.5	44913.8	43820.8	42282.2	40376.5	38115.7	35599.4
-5°	43152.6	44266.9	44913.8	45153.2	44913.8	44266.9	43152.6	41650.5	39771.9	37518.9	35022.0
-7.5°	42077.4	43152.6	43820.8	44035.9	43820.8	43152.6	42077.4	40594.8	38757.8	36571.1	34093.8
-10°	40594.8	41650.5	42282.2	42499.7	42282.2	41650.5	40594.8	39183.4	37352.6	35266.9	32857.8
-12.5°	38757.8	39771.9	40376.5	40576.1	40376.5	39771.9	38757.8	37352.6	35673.7	33592.1	31363.9
-15°	36571.1	37518.9	38115.7	38319.8	38115.7	37518.9	36571.1	35266.9	33592.1	31706.1	29640.1
-17.5°	34093.8	35022.0	35599.4	35795.6	35599.4	35022.0	34093.8	32857.8	31363.9	29640.1	27694.8
-20°	31461.2	32274.5	32776.4	32946.2	32776.4	32274.5	31461.2	30366.4	28990.7	27388.5	25636.8



REPORT NUMBER: P701402 (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°	28748.0	29492.6	29949.4	30103.4	29949.4	29492.6	28748.0	27738.1	26504.7	25078.4	23539.1
-25°	25987.4	26638.8	27036.7	27170.6	27036.7	26638.8	25987.4	25098.7	24017.1	22818.0	21473.5
-27.5°	23322.5	23862.9	24192.0	24302.5	24192.0	23862.9	23322.5	22581.9	21655.7	20637.1	19475.9
-30°	20837.2	21291.6	21567.6	21660.2	21567.6	21291.6	20837.2	20212.4	19427.4	18490.7	17416.5
-32.5°	18455.7	18870.5	19122.0	19206.3	19122.0	18870.5	18455.7	17883.7	17162.5	16343.2	15446.5
-35°	16122.7	16465.2	16672.6	16742.0	16672.6	16465.2	16122.7	15649.3	15050.8	14350.6	13600.5
-37.5°	13998.1	14282.0	14453.7	14511.1	14453.7	14282.0	13998.1	13605.0	13107.0	12508.9	11892.5
-40°	12072.5	12303.1	12442.4	12489.0	12442.4	12303.1	12072.5	11752.7	11346.7	10858.2	10329.7
-42.5°	10350.4	10541.7	10657.1	10695.7	10657.1	10541.7	10350.4	10084.8	9747.2	9340.1	8895.5
-45°	8801.3	8952.3	9043.3	9073.7	9043.3	8952.3	8801.3	8591.6	8324.5	8002.0	7632.7
-47.5°	7460.2	7581.3	7654.2	7678.6	7654.2	7581.3	7460.2	7291.8	7077.2	6817.6	6514.6
-50°	6287.8	6382.5	6439.6	6458.6	6439.6	6382.5	6287.8	6156.1	5987.9	5784.4	5546.5
-52.5°	5280.9	5356.7	5402.4	5417.6	5402.4	5356.7	5280.9	5175.4	5040.6	4877.2	4686.0
-55°	4403.4	4460.8	4495.4	4506.9	4495.4	4460.8	4403.4	4323.5	4221.3	4097.3	3952.1
-57.5°	3669.2	3715.0	3742.5	3751.7	3742.5	3715.0	3669.2	3605.4	3523.8	3424.8	3308.7
-60°	3028.7	3062.8	3083.3	3090.2	3083.3	3062.8	3028.7	2981.0	2920.1	2846.1	2759.3
-62.5°	2497.6	2524.3	2540.4	2545.8	2540.4	2524.3	2497.6	2460.2	2412.4	2354.3	2286.1
-65°	2035.2	2056.0	2068.4	2072.6	2068.4	2056.0	2035.2	2006.2	1969.1	1924.0	1871.0
-67.5°	1634.6	1650.4	1659.9	1663.1	1659.9	1650.4	1634.6	1612.5	1584.2	1549.8	1509.3
-70°	1289.7	1302.0	1309.3	1311.8	1309.3	1302.0	1289.7	1272.7	1250.8	1224.1	1192.8
-72.5°	985.8	995.1	1000.7	1002.6	1000.7	995.1	985.8	972.8	956.1	935.8	911.9
-75°	718.9	725.5	729.5	730.8	729.5	725.5	718.9	709.7	697.8	683.4	666.5
-77.5°	496.0	500.5	503.2	504.1	503.2	500.5	496.0	489.8	481.8	472.0	460.5
-80°	313.6	316.4	318.0	318.6	318.0	316.4	313.6	309.7	304.8	298.7	291.6
-82.5°	171.8	173.2	174.0	174.3	174.0	173.2	171.8	169.8	167.3	164.3	160.7
-85°	75.9	76.4	76.7	76.8	76.7	76.4	75.9	75.2	74.3	73.2	71.8
-87.5°	23.2	23.3	23.4	23.4	23.4	23.3	23.2	23.0	22.8	22.6	22.3
-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: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.0	21.6	21.2	20.8	20.3	19.7	19.2	18.6	17.9	17.2	16.5
85°	70.3	68.7	66.8	64.7	62.5	60.0	57.4	54.7	51.8	48.7	45.5
82.5°	156.6	151.9	146.8	141.1	134.9	128.3	121.2	113.6	105.6	97.2	88.3
80°	283.5	274.3	264.0	252.8	240.6	227.5	213.4	198.5	182.6	168.7	156.9
77.5°	447.3	432.5	416.0	397.9	378.2	357.0	334.4	312.1	292.3	271.4	249.5
75°	647.0	625.1	600.8	574.1	545.1	513.9	484.8	455.8	425.1	392.9	359.1
72.5°	884.5	853.6	819.4	781.9	741.1	702.8	663.7	622.2	578.3	532.1	487.5
70°	1156.9	1116.4	1071.6	1022.4	973.2	922.8	868.9	811.7	751.3	695.0	639.7
67.5°	1463.0	1410.8	1353.0	1292.4	1232.0	1167.0	1097.7	1024.1	953.3	881.7	806.9
65°	1810.3	1742.1	1666.5	1595.1	1518.2	1435.6	1347.5	1261.1	1174.5	1083.6	990.4
62.5°	2208.0	2120.3	2029.9	1938.0	1838.5	1731.8	1624.4	1521.1	1412.3	1299.9	1195.1
60°	2660.0	2548.5	2441.0	2323.9	2197.3	2063.0	1938.0	1805.7	1666.5	1541.1	1410.8
57.5°	3176.1	3038.4	2903.1	2755.5	2596.0	2441.0	2283.1	2116.3	1958.8	1800.2	1639.1
55°	3786.3	3619.3	3439.8	3244.2	3043.2	2857.3	2660.0	2464.0	2274.1	2075.8	1896.9
52.5°	4474.6	4272.3	4049.4	3806.7	3570.9	3326.3	3071.0	2846.1	2610.4	2388.4	2166.6
50°	5293.2	5028.3	4736.8	4434.8	4152.2	3850.8	3559.1	3265.1	2981.0	2717.5	2457.6
47.5°	6212.4	5884.3	5524.0	5168.7	4801.4	4427.0	4084.4	3728.0	3399.0	3062.8	2771.5
45°	7259.5	6843.9	6398.5	5977.5	5526.4	5093.5	4651.2	4242.3	3841.6	3466.4	3090.2
42.5°	8433.8	7920.8	7399.6	6869.4	6325.4	5812.6	5291.1	4797.4	4321.9	3880.8	3466.4
40°	9749.6	9106.6	8498.5	7848.1	7220.3	6578.8	5986.6	5390.8	4846.4	4321.9	3841.6
37.5°	11199.8	10459.1	9705.5	8920.6	8179.8	7433.7	6718.4	6044.9	5390.8	4797.4	4242.3
35°	12757.2	11902.7	11008.9	10113.0	9194.8	8347.5	7505.4	6718.4	5986.6	5291.1	4651.2
32.5°	14448.4	13448.8	12382.2	11359.8	10319.3	9295.3	8347.5	7433.7	6578.8	5812.6	5093.5
30°	16267.8	15082.2	13872.2	12642.8	11477.8	10319.3	9194.8	8179.8	7220.3	6325.4	5526.4
27.5°	18182.9	16775.4	15407.6	14014.8	12642.8	11359.8	10113.0	8920.6	7848.1	6869.4	5977.5
25°	20081.5	18573.6	16963.4	15407.6	13872.2	12382.2	11008.9	9705.5	8498.5	7399.6	6398.5
22.5°	21920.0	20286.3	18573.6	16775.4	15082.2	13448.8	11902.7	10459.1	9106.6	7920.8	6843.9
20°	23783.7	21920.0	20081.5	18182.9	16267.8	14448.4	12757.2	11199.8	9749.6	8433.8	7259.5
17.5°	25636.8	23539.1	21473.5	19475.9	17416.5	15446.5	13600.5	11892.5	10329.7	8895.5	7632.7
15°	27388.5	25078.4	22818.0	20637.1	18490.7	16343.2	14350.6	12508.9	10858.2	9340.1	8002.0
12.5°	28990.7	26504.7	24017.1	21655.7	19427.4	17162.5	15050.8	13107.0	11346.7	9747.2	8324.5
10°	30366.4	27738.1	25098.7	22581.9	20212.4	17883.7	15649.3	13605.0	11752.7	10084.8	8591.6
7.5°	31461.2	28748.0	25987.4	23322.5	20837.2	18455.7	16122.7	13998.1	12072.5	10350.4	8801.3
5°	32274.5	29492.6	26638.8	23862.9	21291.6	18870.5	16465.2	14282.0	12303.1	10541.7	8952.3
2.5°	32776.4	29949.4	27036.7	24192.0	21567.6	19122.0	16672.6	14453.7	12442.4	10657.1	9043.3
0°	32946.2	30103.4	27170.6	24302.5	21660.2	19206.3	16742.0	14511.1	12489.0	10695.7	9073.7
-2.5°	32776.4	29949.4	27036.7	24192.0	21567.6	19122.0	16672.6	14453.7	12442.4	10657.1	9043.3
-5°	32274.5	29492.6	26638.8	23862.9	21291.6	18870.5	16465.2	14282.0	12303.1	10541.7	8952.3
-7.5°	31461.2	28748.0	25987.4	23322.5	20837.2	18455.7	16122.7	13998.1	12072.5	10350.4	8801.3
-10°	30366.4	27738.1	25098.7	22581.9	20212.4	17883.7	15649.3	13605.0	11752.7	10084.8	8591.6
-12.5°	28990.7	26504.7	24017.1	21655.7	19427.4	17162.5	15050.8	13107.0	11346.7	9747.2	8324.5
-15°	27388.5	25078.4	22818.0	20637.1	18490.7	16343.2	14350.6	12508.9	10858.2	9340.1	8002.0
-17.5°	25636.8	23539.1	21473.5	19475.9	17416.5	15446.5	13600.5	11892.5	10329.7	8895.5	7632.7
-20°	23783.7	21920.0	20081.5	18182.9	16267.8	14448.4	12757.2	11199.8	9749.6	8433.8	7259.5



REPORT NUMBER: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-HEG-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21920.0	20286.3	18573.6	16775.4	15082.2	13448.8	11902.7	10459.1	9106.6	7920.8	6843.9
-25°	20081.5	18573.6	16963.4	15407.6	13872.2	12382.2	11008.9	9705.5	8498.5	7399.6	6398.5
-27.5°	18182.9	16775.4	15407.6	14014.8	12642.8	11359.8	10113.0	8920.6	7848.1	6869.4	5977.5
-30°	16267.8	15082.2	13872.2	12642.8	11477.8	10319.3	9194.8	8179.8	7220.3	6325.4	5526.4
-32.5°	14448.4	13448.8	12382.2	11359.8	10319.3	9295.3	8347.5	7433.7	6578.8	5812.6	5093.5
-35°	12757.2	11902.7	11008.9	10113.0	9194.8	8347.5	7505.4	6718.4	5986.6	5291.1	4651.2
-37.5°	11199.8	10459.1	9705.5	8920.6	8179.8	7433.7	6718.4	6044.9	5390.8	4797.4	4242.3
-40°	9749.6	9106.6	8498.5	7848.1	7220.3	6578.8	5986.6	5390.8	4846.4	4321.9	3841.6
-42.5°	8433.8	7920.8	7399.6	6869.4	6325.4	5812.6	5291.1	4797.4	4321.9	3880.8	3466.4
-45°	7259.5	6843.9	6398.5	5977.5	5526.4	5093.5	4651.2	4242.3	3841.6	3466.4	3090.2
-47.5°	6212.4	5884.3	5524.0	5168.7	4801.4	4427.0	4084.4	3728.0	3399.0	3062.8	2771.5
-50°	5293.2	5028.3	4736.8	4434.8	4152.2	3850.8	3559.1	3265.1	2981.0	2717.5	2457.6
-52.5°	4474.6	4272.3	4049.4	3806.7	3570.9	3326.3	3071.0	2846.1	2610.4	2388.4	2166.6
-55°	3786.3	3619.3	3439.8	3244.2	3043.2	2857.3	2660.0	2464.0	2274.1	2075.8	1896.9
-57.5°	3176.1	3038.4	2903.1	2755.5	2596.0	2441.0	2283.1	2116.3	1958.8	1800.2	1639.1
-60°	2660.0	2548.5	2441.0	2323.9	2197.3	2063.0	1938.0	1805.7	1666.5	1541.1	1410.8
-62.5°	2208.0	2120.3	2029.9	1938.0	1838.5	1731.8	1624.4	1521.1	1412.3	1299.9	1195.1
-65°	1810.3	1742.1	1666.5	1595.1	1518.2	1435.6	1347.5	1261.1	1174.5	1083.6	990.4
-67.5°	1463.0	1410.8	1353.0	1292.4	1232.0	1167.0	1097.7	1024.1	953.3	881.7	806.9
-70°	1156.9	1116.4	1071.6	1022.4	973.2	922.8	868.9	811.7	751.3	695.0	639.7
-72.5°	884.5	853.6	819.4	781.9	741.1	702.8	663.7	622.2	578.3	532.1	487.5
-75°	647.0	625.1	600.8	574.1	545.1	513.9	484.8	455.8	425.1	392.9	359.1
-77.5°	447.3	432.5	416.0	397.9	378.2	357.0	334.4	312.1	292.3	271.4	249.5
-80°	283.5	274.3	264.0	252.8	240.6	227.5	213.4	198.5	182.6	168.7	156.9
-82.5°	156.6	151.9	146.8	141.1	134.9	128.3	121.2	113.6	105.6	97.2	88.3
-85°	70.3	68.7	66.8	64.7	62.5	60.0	57.4	54.7	51.8	48.7	45.5
-87.5°	22.0	21.6	21.2	20.8	20.3	19.7	19.2	18.6	17.9	17.2	16.5
-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: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-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°	15.8	15.0	14.2	13.4	12.6	11.7	10.8	9.9	9.0	8.0	7.0
85°	42.1	38.6	35.0	31.2	27.3	23.4	21.6	19.8	17.9	16.0	14.1
82.5°	79.1	72.8	67.3	61.7	55.9	49.9	43.8	37.5	31.2	24.7	21.1
80°	144.5	131.7	118.5	104.7	90.6	76.4	68.2	59.9	51.4	42.7	33.9
77.5°	226.7	203.0	178.4	159.9	142.2	124.1	105.5	86.5	71.5	60.7	49.7
75°	323.8	294.2	264.6	234.2	202.8	171.8	149.5	126.7	103.5	79.9	65.3
72.5°	446.3	403.5	359.3	314.7	278.1	240.5	202.1	166.5	139.5	112.0	84.1
70°	582.1	522.2	468.3	416.1	362.3	309.7	265.9	221.1	175.5	143.8	112.0
67.5°	729.3	661.9	592.2	520.4	457.0	395.1	331.8	278.6	227.5	175.5	139.5
65°	903.6	813.7	722.5	642.7	560.8	481.8	411.6	340.0	278.6	221.1	166.5
62.5°	1086.3	977.1	874.9	769.7	673.2	581.0	490.0	411.6	331.8	265.9	202.1
60°	1280.0	1156.9	1029.9	911.9	794.3	683.4	581.0	481.8	395.1	309.7	240.5
57.5°	1492.3	1340.5	1199.5	1058.2	924.3	794.3	673.2	560.8	457.0	362.3	278.1
55°	1712.1	1541.5	1373.2	1213.8	1058.2	911.9	769.7	642.7	520.4	416.1	314.7
52.5°	1955.5	1750.8	1558.0	1373.2	1199.5	1029.9	874.9	722.5	592.2	468.3	359.3
50°	2212.3	1975.1	1750.8	1541.5	1340.5	1156.9	977.1	813.7	661.9	522.2	403.5
47.5°	2480.8	2212.3	1955.5	1712.1	1492.3	1280.0	1086.3	903.6	729.3	582.1	446.3
45°	2771.5	2457.6	2166.6	1896.9	1639.1	1410.8	1195.1	990.4	806.9	639.7	487.5
42.5°	3062.8	2717.5	2388.4	2075.8	1800.2	1541.1	1299.9	1083.6	881.7	695.0	532.1
40°	3399.0	2981.0	2610.4	2274.1	1958.8	1666.5	1412.3	1174.5	953.3	751.3	578.3
37.5°	3728.0	3265.1	2846.1	2464.0	2116.3	1805.7	1521.1	1261.1	1024.1	811.7	622.2
35°	4084.4	3559.1	3071.0	2660.0	2283.1	1938.0	1624.4	1347.5	1097.7	868.9	663.7
32.5°	4427.0	3850.8	3326.3	2857.3	2441.0	2063.0	1731.8	1435.6	1167.0	922.8	702.8
30°	4801.4	4152.2	3570.9	3043.2	2596.0	2197.3	1838.5	1518.2	1232.0	973.2	741.1
27.5°	5168.7	4434.8	3806.7	3244.2	2755.5	2323.9	1938.0	1595.1	1292.4	1022.4	781.9
25°	5524.0	4736.8	4049.4	3439.8	2903.1	2441.0	2029.9	1666.5	1353.0	1071.6	819.4
22.5°	5884.3	5028.3	4272.3	3619.3	3038.4	2548.5	2120.3	1742.1	1410.8	1116.4	853.6
20°	6212.4	5293.2	4474.6	3786.3	3176.1	2660.0	2208.0	1810.3	1463.0	1156.9	884.5
17.5°	6514.6	5546.5	4686.0	3952.1	3308.7	2759.3	2286.1	1871.0	1509.3	1192.8	911.9
15°	6817.6	5784.4	4877.2	4097.3	3424.8	2846.1	2354.3	1924.0	1549.8	1224.1	935.8
12.5°	7077.2	5987.9	5040.6	4221.3	3523.8	2920.1	2412.4	1969.1	1584.2	1250.8	956.1
10°	7291.8	6156.1	5175.4	4323.5	3605.4	2981.0	2460.2	2006.2	1612.5	1272.7	972.8
7.5°	7460.2	6287.8	5280.9	4403.4	3669.2	3028.7	2497.6	2035.2	1634.6	1289.7	985.8
5°	7581.3	6382.5	5356.7	4460.8	3715.0	3062.8	2524.3	2056.0	1650.4	1302.0	995.1
2.5°	7654.2	6439.6	5402.4	4495.4	3742.5	3083.3	2540.4	2068.4	1659.9	1309.3	1000.7
0°	7678.6	6458.6	5417.6	4506.9	3751.7	3090.2	2545.8	2072.6	1663.1	1311.8	1002.6
-2.5°	7654.2	6439.6	5402.4	4495.4	3742.5	3083.3	2540.4	2068.4	1659.9	1309.3	1000.7
-5°	7581.3	6382.5	5356.7	4460.8	3715.0	3062.8	2524.3	2056.0	1650.4	1302.0	995.1
-7.5°	7460.2	6287.8	5280.9	4403.4	3669.2	3028.7	2497.6	2035.2	1634.6	1289.7	985.8
-10°	7291.8	6156.1	5175.4	4323.5	3605.4	2981.0	2460.2	2006.2	1612.5	1272.7	972.8
-12.5°	7077.2	5987.9	5040.6	4221.3	3523.8	2920.1	2412.4	1969.1	1584.2	1250.8	956.1
-15°	6817.6	5784.4	4877.2	4097.3	3424.8	2846.1	2354.3	1924.0	1549.8	1224.1	935.8
-17.5°	6514.6	5546.5	4686.0	3952.1	3308.7	2759.3	2286.1	1871.0	1509.3	1192.8	911.9
-20°	6212.4	5293.2	4474.6	3786.3	3176.1	2660.0	2208.0	1810.3	1463.0	1156.9	884.5



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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°	5884.3	5028.3	4272.3	3619.3	3038.4	2548.5	2120.3	1742.1	1410.8	1116.4	853.6
-25°	5524.0	4736.8	4049.4	3439.8	2903.1	2441.0	2029.9	1666.5	1353.0	1071.6	819.4
-27.5°	5168.7	4434.8	3806.7	3244.2	2755.5	2323.9	1938.0	1595.1	1292.4	1022.4	781.9
-30°	4801.4	4152.2	3570.9	3043.2	2596.0	2197.3	1838.5	1518.2	1232.0	973.2	741.1
-32.5°	4427.0	3850.8	3326.3	2857.3	2441.0	2063.0	1731.8	1435.6	1167.0	922.8	702.8
-35°	4084.4	3559.1	3071.0	2660.0	2283.1	1938.0	1624.4	1347.5	1097.7	868.9	663.7
-37.5°	3728.0	3265.1	2846.1	2464.0	2116.3	1805.7	1521.1	1261.1	1024.1	811.7	622.2
-40°	3399.0	2981.0	2610.4	2274.1	1958.8	1666.5	1412.3	1174.5	953.3	751.3	578.3
-42.5°	3062.8	2717.5	2388.4	2075.8	1800.2	1541.1	1299.9	1083.6	881.7	695.0	532.1
-45°	2771.5	2457.6	2166.6	1896.9	1639.1	1410.8	1195.1	990.4	806.9	639.7	487.5
-47.5°	2480.8	2212.3	1955.5	1712.1	1492.3	1280.0	1086.3	903.6	729.3	582.1	446.3
-50°	2212.3	1975.1	1750.8	1541.5	1340.5	1156.9	977.1	813.7	661.9	522.2	403.5
-52.5°	1955.5	1750.8	1558.0	1373.2	1199.5	1029.9	874.9	722.5	592.2	468.3	359.3
-55°	1712.1	1541.5	1373.2	1213.8	1058.2	911.9	769.7	642.7	520.4	416.1	314.7
-57.5°	1492.3	1340.5	1199.5	1058.2	924.3	794.3	673.2	560.8	457.0	362.3	278.1
-60°	1280.0	1156.9	1029.9	911.9	794.3	683.4	581.0	481.8	395.1	309.7	240.5
-62.5°	1086.3	977.1	874.9	769.7	673.2	581.0	490.0	411.6	331.8	265.9	202.1
-65°	903.6	813.7	722.5	642.7	560.8	481.8	411.6	340.0	278.6	221.1	166.5
-67.5°	729.3	661.9	592.2	520.4	457.0	395.1	331.8	278.6	227.5	175.5	139.5
-70°	582.1	522.2	468.3	416.1	362.3	309.7	265.9	221.1	175.5	143.8	112.0
-72.5°	446.3	403.5	359.3	314.7	278.1	240.5	202.1	166.5	139.5	112.0	84.1
-75°	323.8	294.2	264.6	234.2	202.8	171.8	149.5	126.7	103.5	79.9	65.3
-77.5°	226.7	203.0	178.4	159.9	142.2	124.1	105.5	86.5	71.5	60.7	49.7
-80°	144.5	131.7	118.5	104.7	90.6	76.4	68.2	59.9	51.4	42.7	33.9
-82.5°	79.1	72.8	67.3	61.7	55.9	49.9	43.8	37.5	31.2	24.7	21.1
-85°	42.1	38.6	35.0	31.2	27.3	23.4	21.6	19.8	17.9	16.0	14.1
-87.5°	15.8	15.0	14.2	13.4	12.6	11.7	10.8	9.9	9.0	8.0	7.0
-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: P701402 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6.1	5.1	4.1	3.1	2.0	1.0	0.0
85°	12.1	10.1	8.1	6.1	4.1	2.0	0.0
82.5°	18.1	15.2	12.2	9.1	6.1	3.1	0.0
80°	25.0	20.2	16.2	12.2	8.1	4.1	0.0
77.5°	38.6	27.4	20.2	15.2	10.1	5.1	0.0
75°	52.0	38.6	25.0	18.1	12.1	6.1	0.0
72.5°	65.3	49.7	33.9	21.1	14.1	7.0	0.0
70°	79.9	60.7	42.7	24.7	16.0	8.0	0.0
67.5°	103.5	71.5	51.4	31.2	17.9	9.0	0.0
65°	126.7	86.5	59.9	37.5	19.8	9.9	0.0
62.5°	149.5	105.5	68.2	43.8	21.6	10.8	0.0
60°	171.8	124.1	76.4	49.9	23.4	11.7	0.0
57.5°	202.8	142.2	90.6	55.9	27.3	12.6	0.0
55°	234.2	159.9	104.7	61.7	31.2	13.4	0.0
52.5°	264.6	178.4	118.5	67.3	35.0	14.2	0.0
50°	294.2	203.0	131.7	72.8	38.6	15.0	0.0
47.5°	323.8	226.7	144.5	79.1	42.1	15.8	0.0
45°	359.1	249.5	156.9	88.3	45.5	16.5	0.0
42.5°	392.9	271.4	168.7	97.2	48.7	17.2	0.0
40°	425.1	292.3	182.6	105.6	51.8	17.9	0.0
37.5°	455.8	312.1	198.5	113.6	54.7	18.6	0.0
35°	484.8	334.4	213.4	121.2	57.4	19.2	0.0
32.5°	513.9	357.0	227.5	128.3	60.0	19.7	0.0
30°	545.1	378.2	240.6	134.9	62.5	20.3	0.0
27.5°	574.1	397.9	252.8	141.1	64.7	20.8	0.0
25°	600.8	416.0	264.0	146.8	66.8	21.2	0.0
22.5°	625.1	432.5	274.3	151.9	68.7	21.6	0.0
20°	647.0	447.3	283.5	156.6	70.3	22.0	0.0
17.5°	666.5	460.5	291.6	160.7	71.8	22.3	0.0
15°	683.4	472.0	298.7	164.3	73.2	22.6	0.0
12.5°	697.8	481.8	304.8	167.3	74.3	22.8	0.0
10°	709.7	489.8	309.7	169.8	75.2	23.0	0.0
7.5°	718.9	496.0	313.6	171.8	75.9	23.2	0.0
5°	725.5	500.5	316.4	173.2	76.4	23.3	0.0
2.5°	729.5	503.2	318.0	174.0	76.7	23.4	0.0
0°	730.8	504.1	318.6	174.3	76.8	23.4	0.0
-2.5°	729.5	503.2	318.0	174.0	76.7	23.4	0.0
-5°	725.5	500.5	316.4	173.2	76.4	23.3	0.0
-7.5°	718.9	496.0	313.6	171.8	75.9	23.2	0.0
-10°	709.7	489.8	309.7	169.8	75.2	23.0	0.0
-12.5°	697.8	481.8	304.8	167.3	74.3	22.8	0.0
-15°	683.4	472.0	298.7	164.3	73.2	22.6	0.0
-17.5°	666.5	460.5	291.6	160.7	71.8	22.3	0.0
-20°	647.0	447.3	283.5	156.6	70.3	22.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	625.1	432.5	274.3	151.9	68.7	21.6	0.0
-25°	600.8	416.0	264.0	146.8	66.8	21.2	0.0
-27.5°	574.1	397.9	252.8	141.1	64.7	20.8	0.0
-30°	545.1	378.2	240.6	134.9	62.5	20.3	0.0
-32.5°	513.9	357.0	227.5	128.3	60.0	19.7	0.0
-35°	484.8	334.4	213.4	121.2	57.4	19.2	0.0
-37.5°	455.8	312.1	198.5	113.6	54.7	18.6	0.0
-40°	425.1	292.3	182.6	105.6	51.8	17.9	0.0
-42.5°	392.9	271.4	168.7	97.2	48.7	17.2	0.0
-45°	359.1	249.5	156.9	88.3	45.5	16.5	0.0
-47.5°	323.8	226.7	144.5	79.1	42.1	15.8	0.0
-50°	294.2	203.0	131.7	72.8	38.6	15.0	0.0
-52.5°	264.6	178.4	118.5	67.3	35.0	14.2	0.0
-55°	234.2	159.9	104.7	61.7	31.2	13.4	0.0
-57.5°	202.8	142.2	90.6	55.9	27.3	12.6	0.0
-60°	171.8	124.1	76.4	49.9	23.4	11.7	0.0
-62.5°	149.5	105.5	68.2	43.8	21.6	10.8	0.0
-65°	126.7	86.5	59.9	37.5	19.8	9.9	0.0
-67.5°	103.5	71.5	51.4	31.2	17.9	9.0	0.0
-70°	79.9	60.7	42.7	24.7	16.0	8.0	0.0
-72.5°	65.3	49.7	33.9	21.1	14.1	7.0	0.0
-75°	52.0	38.6	25.0	18.1	12.1	6.1	0.0
-77.5°	38.6	27.4	20.2	15.2	10.1	5.1	0.0
-80°	25.0	20.2	16.2	12.2	8.1	4.1	0.0
-82.5°	18.1	15.2	12.2	9.1	6.1	3.1	0.0
-85°	12.1	10.1	8.1	6.1	4.1	2.0	0.0
-87.5°	6.1	5.1	4.1	3.1	2.0	1.0	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

