

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: P701741 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-5S-CV5-S**

Issue Date: 8/29/2023

Test Information

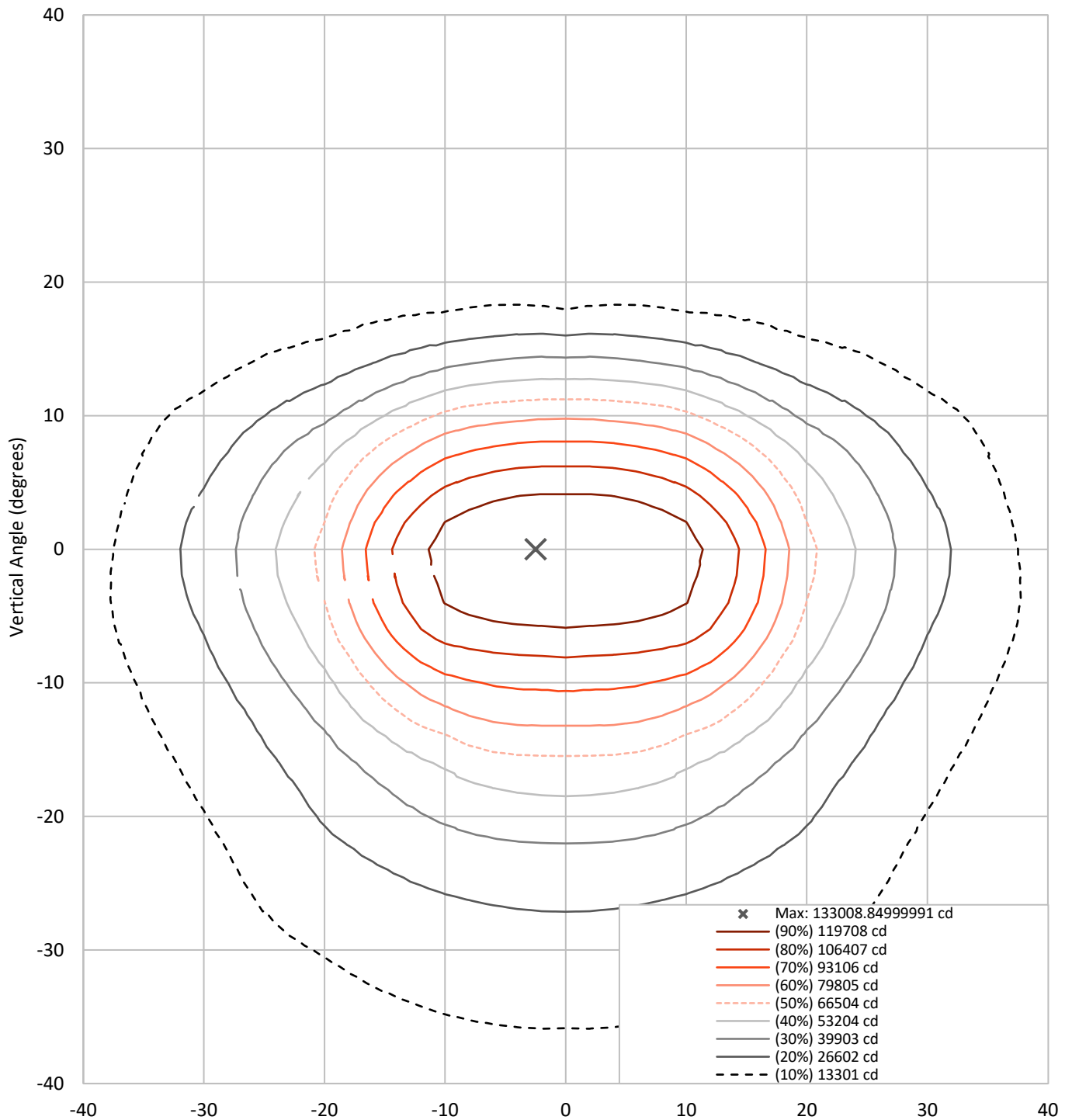
Test Method: LM-79-08
Report Number: P701741 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-5S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	52705.5 lumens	Max Intensity:	133008.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	75.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	26122 lumens	Field Lumens:	47246.6 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%
Input Watts (W):	697.5		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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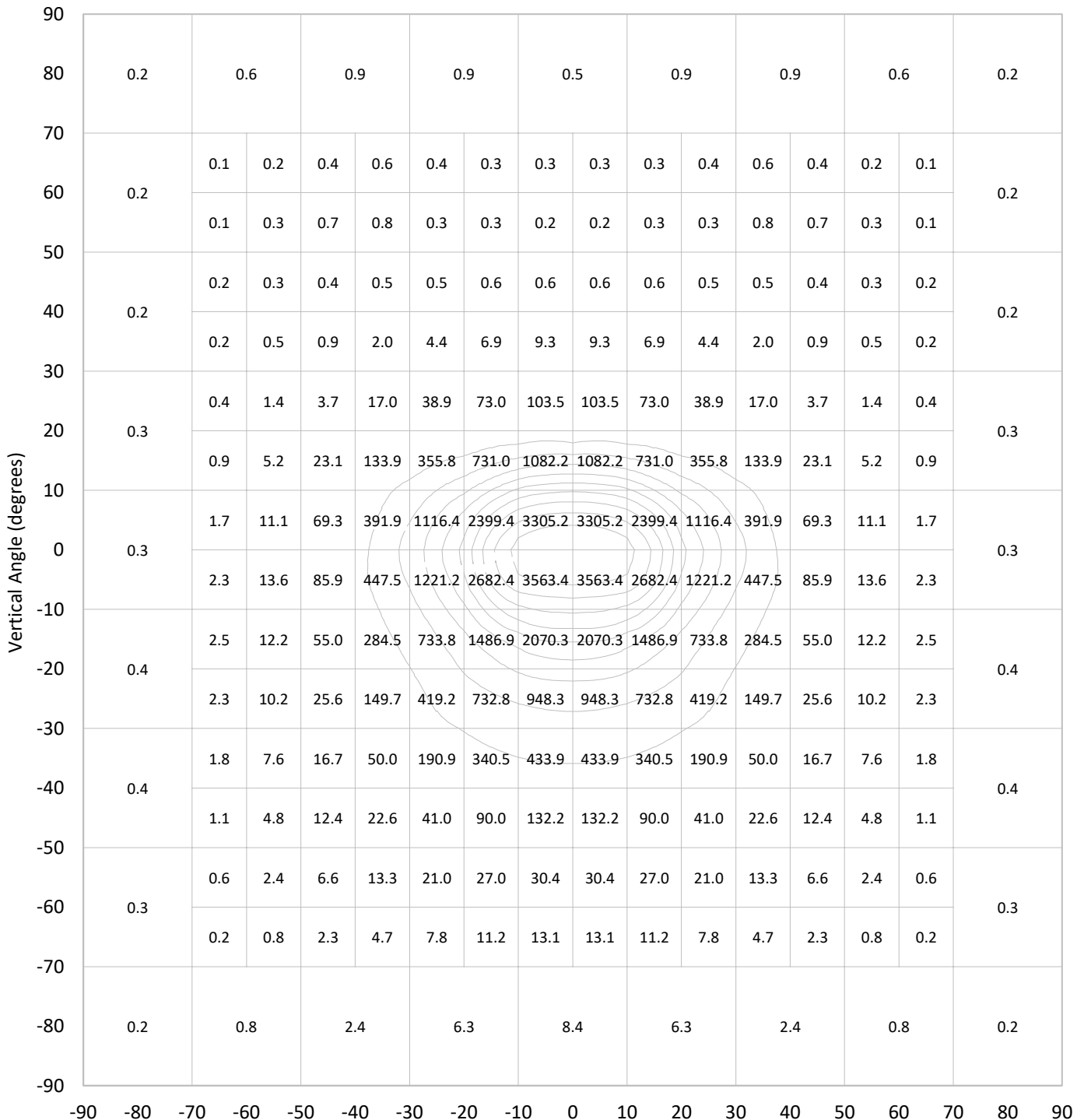
Iso-Candela Plot





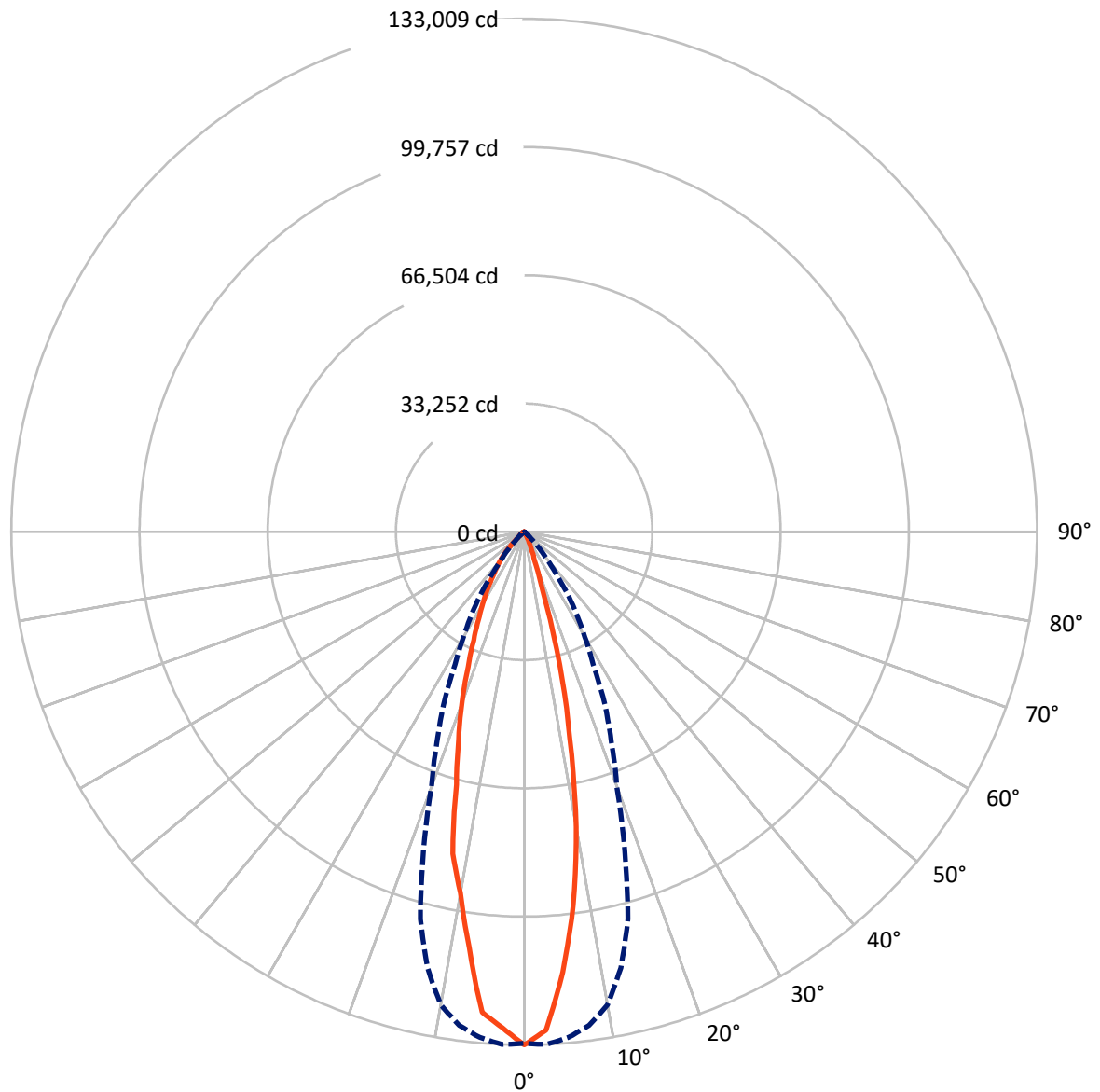
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Lumen Table



REPORT NUMBER: P701741 (CONVERTED FROM TYPE C PHOTOMETRY)
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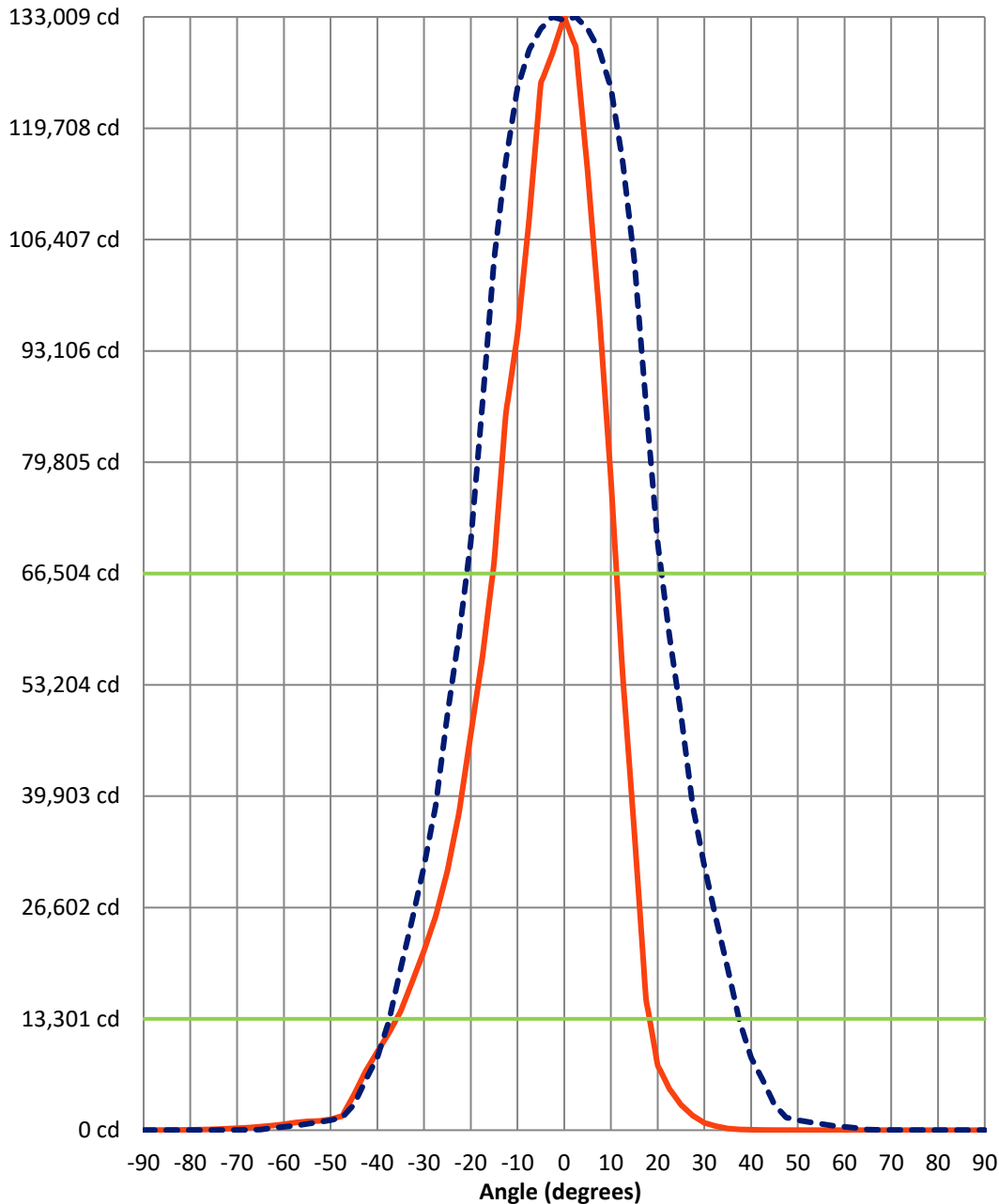
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 26122
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 47246.6
 Efficiency: 89.6%

Spill:
 Lumens: 5459
 Efficiency: 10.4%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.3	8.4	8.4	8.5	8.6	8.6	8.4	8.3	8.1
85°	8.1	8.2	8.4	8.6	8.8	9.0	9.1	9.0	8.8	8.5	8.1
82.5°	8.1	8.2	8.6	8.9	9.1	9.4	9.6	9.5	9.2	8.8	8.7
80°	8.1	8.3	8.8	9.1	9.5	9.8	10.1	9.7	9.5	9.4	9.5
77.5°	8.1	8.3	8.9	9.4	9.8	10.1	10.1	9.9	9.8	10.0	10.1
75°	8.1	8.3	9.1	9.6	10.1	10.1	10.1	10.0	10.1	10.1	10.1
72.5°	8.1	8.4	9.2	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1
70°	8.1	8.4	9.4	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
67.5°	8.1	8.5	9.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
65°	8.1	8.5	9.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
62.5°	8.1	8.5	9.7	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
60°	8.1	8.5	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
57.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
55°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
52.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
50°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.2	10.1	10.1	10.7
47.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.4	10.1	10.1	11.4
45°	8.1	8.6	9.8	10.1	10.1	10.1	10.3	10.5	10.3	10.7	12.0
42.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.5	10.8	10.5	11.2	12.8
40°	8.1	8.6	9.8	10.1	10.1	10.1	10.7	11.0	11.0	11.8	13.4
37.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.9	11.4	11.7	12.6	13.9
35°	8.1	8.6	9.8	10.1	10.1	10.2	11.2	11.7	12.4	13.5	14.3
32.5°	8.1	8.6	9.8	10.1	10.1	10.4	11.5	12.1	13.1	14.4	15.6
30°	8.1	8.5	9.8	10.1	10.1	10.7	11.8	12.6	13.8	15.4	17.1
27.5°	8.1	8.5	9.9	10.1	10.1	10.9	12.2	13.2	14.5	16.5	18.8
25°	8.1	8.5	9.9	10.1	10.1	11.1	12.5	13.7	15.3	17.8	20.9
22.5°	8.1	8.5	9.9	10.1	10.1	11.3	12.9	14.3	16.2	19.3	24.5
20°	8.1	8.4	9.9	10.1	10.1	11.5	13.3	14.8	17.1	21.0	28.6
17.5°	8.1	8.4	10.0	10.1	10.1	11.6	13.5	15.3	18.0	22.7	33.1
15°	8.1	8.4	10.0	10.1	10.1	11.8	13.7	15.6	18.8	24.5	37.9
12.5°	8.1	8.3	10.0	10.1	10.1	11.9	13.8	15.8	19.5	26.3	42.8
10°	8.1	8.3	10.0	10.1	10.1	11.9	13.9	15.9	20.2	28.6	48.3
7.5°	8.1	8.2	10.1	10.1	10.1	12.0	14.0	16.0	20.8	31.1	54.8
5°	8.1	8.2	10.1	10.1	10.1	12.1	14.1	16.0	21.3	33.7	61.1
2.5°	8.1	8.1	10.1	10.1	10.1	12.1	14.1	16.1	21.8	36.1	67.1
0°	8.1	8.1	10.1	10.1	10.1	12.1	14.1	16.1	21.8	36.1	67.1
-2.5°	8.1	8.1	10.1	10.1	10.3	12.3	14.4	18.0	27.6	48.2	88.7
-5°	8.1	8.2	10.1	10.1	10.4	12.5	14.6	19.8	32.8	57.5	103.7
-7.5°	8.1	8.2	10.1	10.1	10.6	12.7	14.8	21.4	37.5	66.1	117.3
-10°	8.1	8.3	10.0	10.1	10.8	12.8	15.0	22.8	41.7	73.7	129.2
-12.5°	8.1	8.3	10.0	10.1	10.9	13.0	15.1	23.9	45.1	80.2	138.3
-15°	8.1	8.4	10.0	10.1	11.0	13.1	15.3	24.6	47.9	85.6	145.0
-17.5°	8.1	8.4	10.0	10.1	11.1	13.2	15.4	25.7	50.3	89.6	149.5
-20°	8.1	8.4	9.9	10.1	11.1	13.2	15.9	27.1	51.7	91.9	151.7



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	8.5	9.9	10.1	11.2	13.3	16.8	28.1	52.2	92.5	151.3
-25°	8.1	8.5	9.9	10.1	11.2	13.3	17.4	28.6	51.5	91.2	148.2
-27.5°	8.1	8.5	9.9	10.1	11.1	13.3	17.7	28.5	49.7	88.8	146.3
-30°	8.1	8.5	9.8	10.1	11.0	13.3	17.6	28.0	48.6	86.6	142.1
-32.5°	8.1	8.6	9.8	10.1	10.9	13.1	17.1	27.8	47.8	82.8	135.2
-35°	8.1	8.6	9.8	10.1	10.8	12.8	16.7	27.2	46.3	77.3	125.6
-37.5°	8.1	8.6	9.8	10.1	10.7	12.5	16.4	26.1	44.1	70.2	112.5
-40°	8.1	8.6	9.8	10.1	10.5	12.4	15.9	24.3	41.0	65.5	100.3
-42.5°	8.1	8.6	9.8	10.1	10.5	12.1	15.2	21.8	37.9	59.6	87.1
-45°	8.1	8.6	9.8	10.2	10.5	11.9	14.4	19.6	34.3	52.8	73.9
-47.5°	8.1	8.6	9.8	10.2	10.6	11.7	13.5	18.5	29.8	45.4	65.5
-50°	8.1	8.6	9.8	10.2	10.6	11.4	13.1	17.1	24.1	38.9	56.3
-52.5°	8.1	8.6	9.8	10.3	10.7	11.2	12.8	15.6	20.9	32.0	46.7
-55°	8.1	8.6	9.8	10.3	10.7	11.2	12.4	13.9	18.7	24.7	38.4
-57.5°	8.1	8.6	9.8	10.3	10.8	11.2	12.0	13.5	16.4	21.0	29.7
-60°	8.1	8.5	9.8	10.2	10.8	11.3	11.7	13.1	14.5	18.4	22.6
-62.5°	8.1	8.5	9.7	10.2	10.8	11.3	11.8	12.6	13.9	15.7	19.7
-65°	8.1	8.5	9.6	10.2	10.7	11.4	11.8	12.3	13.4	14.7	16.6
-67.5°	8.1	8.5	9.5	10.2	10.5	11.3	11.9	12.3	12.8	14.0	15.2
-70°	8.1	8.4	9.4	10.1	10.4	11.0	11.9	12.2	12.6	13.4	14.5
-72.5°	8.1	8.4	9.2	9.9	10.3	10.8	11.6	12.1	12.4	12.9	13.8
-75°	8.1	8.3	9.1	9.6	10.1	10.5	11.1	11.7	12.1	12.5	13.0
-77.5°	8.1	8.3	8.9	9.4	9.8	10.2	10.6	11.1	11.5	11.9	12.3
-80°	8.1	8.3	8.8	9.1	9.5	9.8	10.2	10.5	10.8	11.1	11.5
-82.5°	8.1	8.2	8.6	8.9	9.1	9.4	9.6	9.9	10.1	10.4	10.6
-85°	8.1	8.2	8.4	8.6	8.8	9.0	9.1	9.3	9.5	9.6	9.8
-87.5°	8.1	8.1	8.3	8.4	8.4	8.5	8.6	8.7	8.8	8.9	8.9
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P701741 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.7	8.6	8.4	8.1	8.1	8.1	8.1	8.3	8.4	8.4	8.3
80°	9.4	9.2	8.9	8.7	9.0	9.2	9.5	9.7	9.6	9.2	8.7
77.5°	9.8	9.6	9.6	9.8	10.1	10.1	10.1	10.1	9.7	9.2	8.7
75°	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.5	10.6	10.4	10.3
72.5°	10.1	10.1	10.1	10.1	10.2	10.4	10.9	11.7	12.1	12.0	11.9
70°	10.1	10.1	10.1	10.1	10.2	10.9	11.9	12.9	13.6	13.9	14.8
67.5°	10.1	10.1	10.1	10.2	10.9	12.0	13.1	15.1	17.4	18.5	19.8
65°	10.1	10.1	10.3	11.0	12.0	13.4	15.5	18.3	23.6	26.6	27.8
62.5°	10.1	10.2	10.8	11.8	13.0	14.9	18.8	24.8	32.3	36.7	36.2
60°	10.1	10.3	11.3	12.7	14.2	17.3	23.0	30.8	40.9	48.3	43.6
57.5°	10.1	10.8	12.2	13.9	16.3	19.0	26.3	36.0	46.1	57.2	48.8
55°	10.4	11.5	13.3	15.8	18.2	20.6	27.6	36.2	47.5	53.6	45.5
52.5°	11.2	12.4	15.0	17.5	19.7	21.3	24.5	32.8	38.8	43.3	38.9
50°	11.9	14.0	16.5	18.5	20.1	20.1	19.2	25.6	30.4	31.9	31.6
47.5°	13.0	15.3	17.2	19.1	19.4	18.9	17.0	20.0	23.4	25.0	23.8
45°	14.0	16.1	17.9	18.6	18.9	18.1	17.5	16.6	20.3	21.0	20.1
42.5°	14.9	16.7	18.1	18.3	19.0	19.4	19.3	18.7	19.2	19.7	19.4
40°	15.4	17.2	18.4	20.0	20.3	22.0	23.3	23.1	19.7	21.8	22.1
37.5°	15.8	17.8	20.0	24.1	23.5	26.4	28.5	31.4	28.7	26.8	30.1
35°	16.2	18.6	25.4	30.3	30.5	32.3	39.4	42.8	40.6	38.4	42.4
32.5°	16.9	19.7	32.5	37.6	40.5	43.4	53.3	55.3	57.1	58.2	61.3
30°	18.7	26.2	40.6	45.9	52.2	63.1	68.4	70.1	77.4	87.3	114.2
27.5°	22.5	34.7	48.4	56.6	66.7	85.2	92.2	93.1	105.3	131.1	195.9
25°	27.1	55.0	56.7	68.8	87.5	109.7	124.2	138.0	142.7	220.4	374.8
22.5°	38.1	81.0	90.2	81.9	109.8	138.4	169.1	208.1	267.2	356.8	585.9
20°	57.2	109.5	131.7	137.5	144.4	170.9	221.1	299.7	484.5	803.6	1107.8
17.5°	79.4	142.3	178.3	207.5	240.4	251.1	283.7	409.2	758.7	1440.4	2237.8
15°	103.7	178.6	228.6	285.9	346.6	393.3	461.5	657.6	1221.3	2320.0	3689.4
12.5°	129.5	217.5	281.7	370.8	460.6	544.2	672.1	1091.4	2039.7	3563.6	5641.0
10°	155.9	258.0	336.6	460.0	580.2	701.1	890.4	1588.0	3007.4	4888.9	7418.9
7.5°	184.9	297.7	391.3	551.5	702.7	861.3	1112.2	2122.1	4009.5	6113.1	8959.0
5°	213.1	334.8	439.8	624.8	803.0	1000.3	1313.5	2663.7	5003.8	7229.8	10355.2
2.5°	239.3	369.6	486.6	691.5	885.6	1101.9	1424.1	2887.0	5576.3	8054.0	11731.6
0°	262.3	401.5	530.6	752.6	962.4	1196.5	1521.3	3048.6	5970.1	8685.9	13074.2
-2.5°	272.3	413.7	552.5	771.1	959.3	1181.4	1521.8	3102.3	6307.7	9436.5	13752.2
-5°	278.4	422.3	570.0	783.2	951.6	1159.0	1507.0	3078.6	6363.1	9609.9	13484.3
-7.5°	281.0	427.3	582.4	785.8	932.2	1114.7	1439.6	2853.7	5759.9	8814.1	12228.4
-10°	280.2	426.0	577.3	761.3	896.7	1055.8	1349.5	2557.4	5061.7	7915.9	10893.5
-12.5°	275.1	419.1	566.0	734.4	862.1	993.8	1246.0	2192.7	4296.2	6942.4	9615.8
-15°	267.9	409.5	550.9	706.3	830.1	930.0	1129.5	1761.9	3498.6	6069.0	8589.7
-17.5°	259.0	397.4	532.3	678.2	802.1	865.7	1004.9	1331.0	2785.1	5133.4	7556.6
-20°	248.8	383.0	510.3	651.1	776.2	823.4	938.7	1200.0	2202.3	4090.8	6435.1



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	237.6	366.5	487.3	622.6	738.7	801.4	880.6	1061.5	1570.4	2949.5	5224.0
-25°	230.7	349.0	464.9	585.3	701.3	780.4	821.2	928.5	1187.3	2225.6	3946.4
-27.5°	226.2	331.7	434.7	545.0	664.5	754.4	788.0	861.8	1043.6	1474.7	2745.3
-30°	218.2	305.1	401.9	503.8	619.4	713.1	767.0	810.3	920.0	1156.1	1882.9
-32.5°	201.9	276.7	368.9	465.3	569.6	673.6	751.1	792.9	863.9	986.0	1230.1
-35°	182.7	253.2	335.1	424.3	518.1	625.0	716.1	785.1	818.6	902.8	1059.3
-37.5°	164.9	228.2	299.9	383.3	471.3	569.8	676.1	753.9	809.5	848.2	959.9
-40°	145.4	201.5	268.8	343.4	424.1	514.3	613.0	709.3	783.3	847.6	897.3
-42.5°	125.0	178.1	238.1	302.1	378.2	459.8	547.0	643.0	738.4	825.3	892.4
-45°	109.4	152.9	206.6	266.3	331.2	404.6	484.8	568.7	668.2	768.1	855.0
-47.5°	92.8	128.3	176.8	228.3	286.3	350.9	421.1	500.0	584.2	680.6	782.7
-50°	77.1	109.0	144.7	192.1	242.4	298.4	360.5	429.6	505.1	585.3	674.0
-52.5°	66.0	88.8	119.9	155.8	200.4	248.3	302.4	361.9	427.2	495.5	567.5
-55°	53.9	73.4	96.0	125.5	159.7	201.3	246.7	298.7	351.0	411.7	466.7
-57.5°	43.1	59.0	76.8	98.1	126.0	156.3	196.2	237.5	284.5	332.0	372.6
-60°	32.8	45.8	60.8	77.1	95.0	121.2	148.0	182.4	220.4	256.7	291.6
-62.5°	23.5	34.1	46.2	59.5	74.2	89.3	111.2	135.5	159.7	190.2	218.4
-65°	20.2	24.1	33.0	44.1	55.4	69.6	83.4	96.6	116.9	136.7	155.2
-67.5°	16.7	19.9	23.8	29.4	39.6	51.1	62.7	75.0	86.7	96.9	108.4
-70°	15.4	16.0	18.6	22.1	26.6	33.8	44.1	54.4	64.5	74.2	83.3
-72.5°	14.5	15.0	15.5	16.0	19.6	24.6	29.9	35.5	42.6	50.4	58.5
-75°	13.6	14.0	14.5	14.9	16.1	17.9	20.5	25.0	29.4	33.4	37.1
-77.5°	12.7	13.1	13.4	13.8	14.5	15.7	17.2	19.0	21.2	23.5	26.0
-80°	11.8	12.1	12.4	12.7	13.1	13.7	14.5	15.3	16.7	18.4	20.2
-82.5°	10.9	11.1	11.3	11.5	11.7	12.0	12.2	12.6	13.1	13.9	14.7
-85°	9.9	10.1	10.2	10.4	10.5	10.7	10.8	10.9	11.0	11.2	11.3
-87.5°	9.0	9.1	9.2	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.7
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P701741 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.1	8.6	9.1	9.6	10.1	11.6	13.1	14.6	16.1	15.6	15.1
87.5°	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0	3.5	3.0
85°	8.1	7.9	7.8	7.8	7.7	7.3	6.9	6.4	6.0	5.0	4.0
82.5°	8.1	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	5.1	4.1
80°	8.2	8.1	8.1	8.1	8.1	7.7	7.2	6.7	6.1	5.2	4.1
77.5°	8.4	8.4	8.5	8.4	8.2	7.7	7.2	6.7	6.2	5.2	4.1
75°	10.1	9.9	9.5	9.0	8.3	7.7	7.2	6.7	6.2	5.6	5.0
72.5°	11.8	11.4	10.8	10.4	9.9	9.5	9.1	8.5	7.9	7.4	7.0
70°	15.5	15.9	15.5	14.8	13.5	12.4	11.6	10.7	9.9	9.1	8.2
67.5°	21.0	21.1	19.9	18.3	15.9	13.8	12.7	11.6	10.6	10.0	9.9
65°	27.5	25.1	22.6	19.8	16.8	13.9	12.9	11.8	10.7	10.1	10.1
62.5°	33.4	27.0	21.8	18.5	15.9	13.9	12.5	11.0	9.6	8.7	8.5
60°	36.0	25.7	18.4	16.0	14.0	12.3	10.9	9.7	8.7	8.0	7.5
57.5°	36.1	24.4	15.5	13.5	11.8	10.5	9.8	9.2	8.6	8.0	7.5
55°	32.8	21.7	12.9	11.6	11.0	10.5	9.9	9.3	8.7	8.1	7.5
52.5°	26.8	19.1	13.7	11.8	11.2	10.6	10.0	9.4	8.8	8.2	7.6
50°	23.3	17.5	13.9	11.9	11.4	10.8	10.2	10.0	10.0	9.5	9.1
47.5°	20.2	16.0	13.8	12.2	12.0	12.8	13.4	13.5	13.3	12.8	12.3
45°	17.7	15.4	14.3	14.9	15.5	16.8	17.5	17.6	17.6	17.7	17.6
42.5°	17.5	17.6	18.8	20.8	20.7	23.3	24.6	21.7	24.8	26.5	25.0
40°	23.2	23.8	29.4	33.9	38.1	38.7	45.3	46.2	47.0	49.8	50.4
37.5°	34.0	39.9	57.2	70.1	75.5	75.9	85.5	87.5	84.8	96.4	99.8
35°	52.0	79.0	106.9	123.0	132.0	138.8	151.8	166.7	159.6	185.3	194.3
32.5°	93.4	142.6	193.4	191.5	208.6	254.6	271.8	298.8	327.1	370.4	417.8
30°	157.1	290.2	348.9	327.5	376.0	441.6	442.1	517.5	622.7	712.0	846.6
27.5°	354.0	502.9	579.7	614.1	650.8	733.8	836.6	932.6	1200.2	1383.1	1575.5
25°	600.9	806.6	888.9	1016.6	1132.4	1209.3	1520.2	1747.0	2131.7	2410.8	2699.8
22.5°	969.0	1240.9	1411.3	1526.8	1917.2	2264.3	2596.4	3090.5	3472.4	3951.4	4312.2
20°	1429.8	1797.1	2422.6	2913.5	3158.7	3896.1	4496.6	5007.3	5684.8	6278.6	6806.8
17.5°	2698.0	2904.4	4211.3	5490.2	6007.2	6960.6	8687.5	9339.1	11289.5	12717.7	13488.9
15°	4885.3	5883.3	7259.8	9391.9	11757.2	13625.7	15262.6	18614.9	22336.4	25635.3	29108.6
12.5°	7725.2	9676.8	11993.4	14601.6	18863.2	22244.8	25867.0	30657.7	36669.6	41901.8	48057.2
10°	10570.1	13867.8	17070.0	21134.2	26517.2	31738.4	36955.5	44543.3	53374.2	61852.8	69183.6
7.5°	12922.4	17393.0	21732.6	27351.3	34683.4	41957.9	49249.6	59285.5	70964.8	80641.3	88960.1
5°	15316.5	20915.2	26005.8	32485.8	41115.2	49975.2	59100.2	71614.0	85409.3	96366.5	104949.4
2.5°	17514.9	23859.0	29751.1	36976.6	46586.4	55255.1	65642.1	81004.5	97442.6	109263.1	118725.0
0°	19290.5	25236.4	31531.4	38802.9	49593.2	59148.7	70279.9	86753.8	103954.0	115764.2	124495.5
-2.5°	18908.3	24922.5	30808.1	38196.0	49028.7	57825.7	69094.7	85303.4	102297.2	114296.2	122138.2
-5°	17715.1	23038.2	28322.6	35261.0	44787.0	53359.2	64395.0	81056.1	97356.8	109592.7	118616.2
-7.5°	15950.8	20470.4	25263.5	31585.9	39877.8	48077.9	57676.6	70954.7	86168.9	97236.7	103777.1
-10°	14093.4	17835.4	22324.1	27667.1	34510.6	41875.7	49847.2	60483.9	73484.2	83190.3	89395.0
-12.5°	12465.2	15707.3	19711.8	23663.4	29246.8	35806.5	42885.0	51589.2	60167.5	70402.7	75767.0
-15°	10965.4	13667.8	17108.8	20897.7	25537.5	30693.1	35765.0	42282.2	47868.5	54261.8	58906.8
-17.5°	9710.6	11868.9	14917.7	18589.6	22083.2	26522.7	31362.8	35777.5	40500.4	45115.5	48967.5
-20°	8576.6	10357.4	12957.0	16189.9	19632.0	23407.2	27678.1	31271.6	35130.8	38637.9	41650.7



REPORT NUMBER: P701741 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7287.8	9093.5	11106.9	13873.0	17320.2	20704.7	23867.4	26583.1	29499.3	32333.2	34472.5
-25°	5946.6	7679.6	9607.2	12217.6	15041.5	17889.3	20129.2	22041.2	24317.6	26359.7	28195.5
-27.5°	4559.7	6407.3	8486.4	10666.7	13123.0	14932.7	16817.7	18546.9	20276.9	21650.9	23201.3
-30°	3169.9	5186.0	7230.8	9294.5	10976.9	12421.6	13827.4	15413.2	16978.5	18284.4	19378.7
-32.5°	2176.8	3631.2	5694.5	7613.6	9051.7	10279.5	11365.3	12717.5	13930.5	15005.3	15962.8
-35°	1307.5	2332.0	3748.8	5572.6	7146.1	8340.7	9446.7	10472.0	11377.5	12282.7	13002.8
-37.5°	1120.1	1347.0	2206.4	3419.1	4916.6	6362.1	7498.5	8458.3	9302.0	9999.0	10610.1
-40°	1008.6	1142.8	1330.7	1744.5	2847.2	3951.2	5191.3	6285.3	7175.1	7829.9	8361.7
-42.5°	942.8	1028.9	1120.8	1268.2	1432.1	1956.1	2905.0	3811.4	4593.4	5318.7	5941.3
-45°	931.7	968.1	1017.5	1100.6	1176.3	1312.1	1460.4	1605.3	2220.5	2803.4	3281.7
-47.5°	861.8	936.1	981.5	1018.7	1058.3	1122.6	1185.2	1252.3	1364.2	1469.3	1559.4
-50°	760.0	840.0	908.5	975.6	1010.7	1036.8	1062.7	1096.0	1139.6	1179.5	1216.2
-52.5°	635.1	712.0	789.0	860.4	916.2	967.5	1013.7	1035.3	1051.8	1066.7	1078.5
-55°	524.1	584.9	645.5	710.8	775.3	836.7	889.7	924.7	956.2	984.2	1008.0
-57.5°	419.5	466.9	516.3	569.3	620.8	670.3	717.6	760.6	798.9	832.1	860.1
-60°	325.0	356.9	398.1	440.2	480.3	518.3	556.6	591.4	622.9	650.6	672.3
-62.5°	243.9	270.4	301.7	331.3	357.7	386.0	421.7	451.7	476.2	496.1	513.6
-65°	175.2	197.3	222.5	247.4	271.8	296.1	321.1	345.2	368.1	386.5	399.4
-67.5°	124.4	140.1	157.8	173.2	191.5	212.7	235.3	256.1	274.9	287.9	295.8
-70°	91.7	100.8	113.6	128.5	143.8	157.9	172.3	186.7	200.8	210.8	218.4
-72.5°	66.9	76.0	85.4	94.9	105.2	115.7	126.2	136.8	147.4	154.0	158.6
-75°	40.5	45.9	54.1	62.1	69.8	77.1	83.9	90.3	96.3	99.4	101.4
-77.5°	29.0	32.8	36.9	41.1	45.3	49.6	53.9	58.2	62.4	64.3	65.7
-80°	22.2	24.3	26.6	29.0	31.5	34.1	36.7	39.4	42.0	42.4	42.5
-82.5°	15.7	17.3	18.8	20.4	21.8	23.3	24.7	26.0	27.3	27.6	27.8
-85°	11.4	12.3	13.3	14.3	15.3	16.4	17.5	18.6	19.8	19.9	20.0
-87.5°	9.7	10.3	10.8	11.4	11.9	12.5	13.1	13.6	14.2	14.1	14.1
-90°	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0	3.5	3.0



REPORT NUMBER: P701741 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.6	14.1	14.1	14.1	14.1	14.1	14.6	15.1	15.6	16.1	14.6
87.5°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.5	4.0	4.5
85°	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	5.0	6.0	6.4
82.5°	3.1	2.0	2.0	2.0	2.0	2.0	3.1	4.1	5.1	6.1	6.6
80°	3.1	2.0	2.0	2.0	2.0	2.0	3.1	4.1	5.2	6.1	6.7
77.5°	3.1	2.0	2.0	2.0	2.0	2.0	3.1	4.1	5.2	6.2	6.7
75°	4.5	4.0	3.0	2.0	3.0	4.0	4.5	5.0	5.6	6.2	6.7
72.5°	6.5	6.1	6.1	6.1	6.1	6.1	6.5	7.0	7.4	7.9	8.5
70°	7.2	6.2	6.1	6.1	6.1	6.2	7.2	8.2	9.1	9.9	10.7
67.5°	9.9	10.0	9.2	8.1	9.2	10.0	9.9	9.9	10.0	10.6	11.6
65°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.7	11.8
62.5°	8.3	8.2	8.1	8.1	8.1	8.2	8.3	8.5	8.7	9.6	11.0
60°	7.0	6.3	6.1	6.1	6.1	6.3	7.0	7.5	8.0	8.7	9.7
57.5°	6.9	6.3	6.1	6.1	6.1	6.3	6.9	7.5	8.0	8.6	9.2
55°	6.9	6.3	6.1	6.1	6.1	6.3	6.9	7.5	8.1	8.7	9.3
52.5°	7.0	6.4	6.8	8.1	6.8	6.4	7.0	7.6	8.2	8.8	9.4
50°	8.7	8.3	8.1	8.1	8.1	8.3	8.7	9.1	9.5	10.0	10.0
47.5°	11.6	10.6	10.1	10.1	10.1	10.6	11.6	12.3	12.8	13.3	13.5
45°	16.5	15.0	14.0	14.1	14.0	15.0	16.5	17.6	17.7	17.6	17.6
42.5°	24.7	24.2	24.0	24.2	24.0	24.2	24.7	25.0	26.5	24.8	21.7
40°	53.2	54.0	53.7	54.5	53.7	54.0	53.2	50.4	49.8	47.0	46.2
37.5°	100.1	96.8	91.7	92.8	91.7	96.8	100.1	99.8	96.4	84.8	87.5
35°	195.4	200.4	200.1	201.8	200.1	200.4	195.4	194.3	185.3	159.6	166.7
32.5°	452.0	476.0	476.5	486.2	476.5	476.0	452.0	417.8	370.4	327.1	298.8
30°	888.1	907.2	878.4	891.8	878.4	907.2	888.1	846.6	712.0	622.7	517.5
27.5°	1675.5	1746.0	1745.3	1715.0	1745.3	1746.0	1675.5	1575.5	1383.1	1200.2	932.6
25°	2942.9	3051.9	3031.8	2996.2	3031.8	3051.9	2942.9	2699.8	2410.8	2131.7	1747.0
22.5°	4639.9	4820.1	4964.4	4870.5	4964.4	4820.1	4639.9	4312.2	3951.4	3472.4	3090.5
20°	7583.9	7635.4	7788.6	7733.6	7788.6	7635.4	7583.9	6806.8	6278.6	5684.8	5007.3
17.5°	15578.5	16137.5	15748.6	14565.2	15748.6	16137.5	15578.5	13488.9	12717.7	11289.5	9339.1
15°	31548.3	33890.8	35709.7	34711.2	35709.7	33890.8	31548.3	29108.6	25635.3	22336.4	18614.9
12.5°	51664.5	53392.9	54549.3	54634.2	54549.3	53392.9	51664.5	48057.2	41901.8	36669.6	30657.7
10°	74154.8	75682.1	77727.9	78015.5	77727.9	75682.1	74154.8	69183.6	61852.8	53374.2	44543.3
7.5°	93088.6	96185.8	97619.7	97427.0	97619.7	96185.8	93088.6	88960.1	80641.3	70964.8	59285.5
5°	110021.7	113230.4	114635.8	114869.4	114635.8	113230.4	110021.7	104949.4	96366.5	85409.3	71614.0
2.5°	124392.6	127632.1	129320.7	128857.6	129320.7	127632.1	124392.6	118725.0	109263.1	97442.6	81004.5
0°	129042.1	131593.5	133008.8	132620.4	133008.8	131593.5	129042.1	124495.5	115764.2	103954.0	86753.8
-2.5°	126086.5	127623.9	128690.6	128278.5	128690.6	127623.9	126086.5	122138.2	114296.2	102297.2	85303.4
-5°	122811.0	124635.2	125034.3	125522.4	125034.3	124635.2	122811.0	118616.2	109592.7	97356.8	81056.1
-7.5°	106265.0	108216.4	108860.9	109837.4	108860.9	108216.4	106265.0	103777.1	97236.7	86168.9	70954.7
-10°	92771.4	94960.0	95065.5	95667.6	95065.5	94960.0	92771.4	89395.0	83190.3	73484.2	60483.9
-12.5°	81468.6	84480.5	85479.8	85240.6	85479.8	84480.5	81468.6	75767.0	70402.7	60167.5	51589.2
-15°	65091.0	67663.7	67847.3	67967.7	67847.3	67663.7	65091.0	58906.8	54261.8	47868.5	42282.2
-17.5°	53055.0	55555.1	56518.8	56818.3	56518.8	55555.1	53055.0	48967.5	45115.5	40500.4	35777.5
-20°	44237.0	46098.3	47275.5	47763.2	47275.5	46098.3	44237.0	41650.7	38637.9	35130.8	31271.6



REPORT NUMBER: P701741 (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°	36342.5	37522.4	37952.7	38060.5	37952.7	37522.4	36342.5	34472.5	32333.2	29499.3	26583.1
-25°	29485.1	30422.3	30967.1	31194.5	30967.1	30422.3	29485.1	28195.5	26359.7	24317.6	22041.2
-27.5°	24206.9	25040.9	25565.3	25646.0	25565.3	25040.9	24206.9	23201.3	21650.9	20276.9	18546.9
-30°	20216.5	20949.0	21439.0	21572.4	21439.0	20949.0	20216.5	19378.7	18284.4	16978.5	15413.2
-32.5°	16751.5	17378.4	17762.9	17928.6	17762.9	17378.4	16751.5	15962.8	15005.3	13930.5	12717.5
-35°	13540.5	13961.9	14208.1	14127.4	14208.1	13961.9	13540.5	13002.8	12282.7	11377.5	10472.0
-37.5°	11100.2	11439.2	11623.7	11633.6	11623.7	11439.2	11100.2	10610.1	9999.0	9302.0	8458.3
-40°	8802.2	9146.6	9354.1	9365.8	9354.1	9146.6	8802.2	8361.7	7829.9	7175.1	6285.3
-42.5°	6436.5	6789.1	7029.9	7186.8	7029.9	6789.1	6436.5	5941.3	5318.7	4593.4	3811.4
-45°	3680.8	3985.4	4217.7	4386.3	4217.7	3985.4	3680.8	3281.7	2803.4	2220.5	1605.3
-47.5°	1626.7	1676.1	1697.7	1690.8	1697.7	1676.1	1626.7	1559.4	1469.3	1364.2	1252.3
-50°	1249.7	1278.9	1293.6	1293.3	1293.6	1278.9	1249.7	1216.2	1179.5	1139.6	1096.0
-52.5°	1087.8	1095.1	1099.5	1101.6	1099.5	1095.1	1087.8	1078.5	1066.7	1051.8	1035.3
-55°	1027.6	1043.1	1048.8	1047.1	1048.8	1043.1	1027.6	1008.0	984.2	956.2	924.7
-57.5°	883.8	902.9	915.6	922.1	915.6	902.9	883.8	860.1	832.1	798.9	760.6
-60°	688.6	699.9	707.0	710.2	707.0	699.9	688.6	672.3	650.6	622.9	591.4
-62.5°	528.9	541.8	548.3	550.8	548.3	541.8	528.9	513.6	496.1	476.2	451.7
-65°	410.8	420.2	425.4	427.7	425.4	420.2	410.8	399.4	386.5	368.1	345.2
-67.5°	301.7	305.9	308.0	308.7	308.0	305.9	301.7	295.8	287.9	274.9	256.1
-70°	225.3	231.4	235.4	238.1	235.4	231.4	225.3	218.4	210.8	200.8	186.7
-72.5°	162.5	165.7	168.0	169.5	168.0	165.7	162.5	158.6	154.0	147.4	136.8
-75°	103.0	104.1	104.7	104.9	104.7	104.1	103.0	101.4	99.4	96.3	90.3
-77.5°	67.0	68.1	69.4	70.6	69.4	68.1	67.0	65.7	64.3	62.4	58.2
-80°	42.4	42.2	42.3	42.4	42.3	42.2	42.4	42.5	42.4	42.0	39.4
-82.5°	28.0	28.1	28.2	28.2	28.2	28.1	28.0	27.8	27.6	27.3	26.0
-85°	20.1	20.2	20.2	20.2	20.2	20.2	20.1	20.0	19.9	19.8	18.6
-87.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	13.6
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.5	4.0	4.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.1	11.6	10.1	9.6	9.1	8.6	8.1	8.1	8.1	8.1	8.1
87.5°	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1
85°	6.9	7.3	7.7	7.8	7.8	7.9	8.1	8.1	8.1	8.1	8.1
82.5°	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.3	8.4	8.4	8.3
80°	7.2	7.7	8.1	8.1	8.1	8.1	8.2	8.7	9.2	9.6	9.7
77.5°	7.2	7.7	8.2	8.4	8.5	8.4	8.4	8.7	9.2	9.7	10.1
75°	7.2	7.7	8.3	9.0	9.5	9.9	10.1	10.3	10.4	10.6	10.5
72.5°	9.1	9.5	9.9	10.4	10.8	11.4	11.8	11.9	12.0	12.1	11.7
70°	11.6	12.4	13.5	14.8	15.5	15.9	15.5	14.8	13.9	13.6	12.9
67.5°	12.7	13.8	15.9	18.3	19.9	21.1	21.0	19.8	18.5	17.4	15.1
65°	12.9	13.9	16.8	19.8	22.6	25.1	27.5	27.8	26.6	23.6	18.3
62.5°	12.5	13.9	15.9	18.5	21.8	27.0	33.4	36.2	36.7	32.3	24.8
60°	10.9	12.3	14.0	16.0	18.4	25.7	36.0	43.6	48.3	40.9	30.8
57.5°	9.8	10.5	11.8	13.5	15.5	24.4	36.1	48.8	57.2	46.1	36.0
55°	9.9	10.5	11.0	11.6	12.9	21.7	32.8	45.5	53.6	47.5	36.2
52.5°	10.0	10.6	11.2	11.8	13.7	19.1	26.8	38.9	43.3	38.8	32.8
50°	10.2	10.8	11.4	11.9	13.9	17.5	23.3	31.6	31.9	30.4	25.6
47.5°	13.4	12.8	12.0	12.2	13.8	16.0	20.2	23.8	25.0	23.4	20.0
45°	17.5	16.8	15.5	14.9	14.3	15.4	17.7	20.1	21.0	20.3	16.6
42.5°	24.6	23.3	20.7	20.8	18.8	17.6	17.5	19.4	19.7	19.2	18.7
40°	45.3	38.7	38.1	33.9	29.4	23.8	23.2	22.1	21.8	19.7	23.1
37.5°	85.5	75.9	75.5	70.1	57.2	39.9	34.0	30.1	26.8	28.7	31.4
35°	151.8	138.8	132.0	123.0	106.9	79.0	52.0	42.4	38.4	40.6	42.8
32.5°	271.8	254.6	208.6	191.5	193.4	142.6	93.4	61.3	58.2	57.1	55.3
30°	442.1	441.6	376.0	327.5	348.9	290.2	157.1	114.2	87.3	77.4	70.1
27.5°	836.6	733.8	650.8	614.1	579.7	502.9	354.0	195.9	131.1	105.3	93.1
25°	1520.2	1209.3	1132.4	1016.6	888.9	806.6	600.9	374.8	220.4	142.7	138.0
22.5°	2596.4	2264.3	1917.2	1526.8	1411.3	1240.9	969.0	585.9	356.8	267.2	208.1
20°	4496.6	3896.1	3158.7	2913.5	2422.6	1797.1	1429.8	1107.8	803.6	484.5	299.7
17.5°	8687.5	6960.6	6007.2	5490.2	4211.3	2904.4	2698.0	2237.8	1440.4	758.7	409.2
15°	15262.6	13625.7	11757.2	9391.9	7259.8	5883.3	4885.3	3689.4	2320.0	1221.3	657.6
12.5°	25867.0	22244.8	18863.2	14601.6	11993.4	9676.8	7725.2	5641.0	3563.6	2039.7	1091.4
10°	36955.5	31738.4	26517.2	21134.2	17070.0	13867.8	10570.1	7418.9	4888.9	3007.4	1588.0
7.5°	49249.6	41957.9	34683.4	27351.3	21732.6	17393.0	12922.4	8959.0	6113.1	4009.5	2122.1
5°	59100.2	49975.2	41115.2	32485.8	26005.8	20915.2	15316.5	10355.2	7229.8	5003.8	2663.7
2.5°	65642.1	55255.1	46586.4	36976.6	29751.1	23859.0	17514.9	11731.6	8054.0	5576.3	2887.0
0°	70279.9	59148.7	49593.2	38802.9	31531.4	25236.4	19290.5	13074.2	8685.9	5970.1	3048.6
-2.5°	69094.7	57825.7	49028.7	38196.0	30808.1	24922.5	18908.3	13752.2	9436.5	6307.7	3102.3
-5°	64395.0	53359.2	44787.0	35261.0	28322.6	23038.2	17715.1	13484.3	9609.9	6363.1	3078.6
-7.5°	57676.6	48077.9	39877.8	31585.9	25263.5	20470.4	15950.8	12228.4	8814.1	5759.9	2853.7
-10°	49847.2	41875.7	34510.6	27667.1	22324.1	17835.4	14093.4	10893.5	7915.9	5061.7	2557.4
-12.5°	42885.0	35806.5	29246.8	23663.4	19711.8	15707.3	12465.2	9615.8	6942.4	4296.2	2192.7
-15°	35765.0	30693.1	25537.5	20897.7	17108.8	13667.8	10965.4	8589.7	6069.0	3498.6	1761.9
-17.5°	31362.8	26522.7	22083.2	18589.6	14917.7	11868.9	9710.6	7556.6	5133.4	2785.1	1331.0
-20°	27678.1	23407.2	19632.0	16189.9	12957.0	10357.4	8576.6	6435.1	4090.8	2202.3	1200.0



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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°	23867.4	20704.7	17320.2	13873.0	11106.9	9093.5	7287.8	5224.0	2949.5	1570.4	1061.5
-25°	20129.2	17889.3	15041.5	12217.6	9607.2	7679.6	5946.6	3946.4	2225.6	1187.3	928.5
-27.5°	16817.7	14932.7	13123.0	10666.7	8486.4	6407.3	4559.7	2745.3	1474.7	1043.6	861.8
-30°	13827.4	12421.6	10976.9	9294.5	7230.8	5186.0	3169.9	1882.9	1156.1	920.0	810.3
-32.5°	11365.3	10279.5	9051.7	7613.6	5694.5	3631.2	2176.8	1230.1	986.0	863.9	792.9
-35°	9446.7	8340.7	7146.1	5572.6	3748.8	2332.0	1307.5	1059.3	902.8	818.6	785.1
-37.5°	7498.5	6362.1	4916.6	3419.1	2206.4	1347.0	1120.1	959.9	848.2	809.5	753.9
-40°	5191.3	3951.2	2847.2	1744.5	1330.7	1142.8	1008.6	897.3	847.6	783.3	709.3
-42.5°	2905.0	1956.1	1432.1	1268.2	1120.8	1028.9	942.8	892.4	825.3	738.4	643.0
-45°	1460.4	1312.1	1176.3	1100.6	1017.5	968.1	931.7	855.0	768.1	668.2	568.7
-47.5°	1185.2	1122.6	1058.3	1018.7	981.5	936.1	861.8	782.7	680.6	584.2	500.0
-50°	1062.7	1036.8	1010.7	975.6	908.5	840.0	760.0	674.0	585.3	505.1	429.6
-52.5°	1013.7	967.5	916.2	860.4	789.0	712.0	635.1	567.5	495.5	427.2	361.9
-55°	889.7	836.7	775.3	710.8	645.5	584.9	524.1	466.7	411.7	351.0	298.7
-57.5°	717.6	670.3	620.8	569.3	516.3	466.9	419.5	372.6	332.0	284.5	237.5
-60°	556.6	518.3	480.3	440.2	398.1	356.9	325.0	291.6	256.7	220.4	182.4
-62.5°	421.7	386.0	357.7	331.3	301.7	270.4	243.9	218.4	190.2	159.7	135.5
-65°	321.1	296.1	271.8	247.4	222.5	197.3	175.2	155.2	136.7	116.9	96.6
-67.5°	235.3	212.7	191.5	173.2	157.8	140.1	124.4	108.4	96.9	86.7	75.0
-70°	172.3	157.9	143.8	128.5	113.6	100.8	91.7	83.3	74.2	64.5	54.4
-72.5°	126.2	115.7	105.2	94.9	85.4	76.0	66.9	58.5	50.4	42.6	35.5
-75°	83.9	77.1	69.8	62.1	54.1	45.9	40.5	37.1	33.4	29.4	25.0
-77.5°	53.9	49.6	45.3	41.1	36.9	32.8	29.0	26.0	23.5	21.2	19.0
-80°	36.7	34.1	31.5	29.0	26.6	24.3	22.2	20.2	18.4	16.7	15.3
-82.5°	24.7	23.3	21.8	20.4	18.8	17.3	15.7	14.7	13.9	13.1	12.6
-85°	17.5	16.4	15.3	14.3	13.3	12.3	11.4	11.3	11.2	11.0	10.9
-87.5°	13.1	12.5	11.9	11.4	10.8	10.3	9.7	9.7	9.6	9.6	9.5
-90°	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.4	8.6
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5	8.8	9.0
82.5°	8.1	8.1	8.1	8.1	8.4	8.6	8.7	8.7	8.8	9.2	9.5
80°	9.5	9.2	9.0	8.7	8.9	9.2	9.4	9.5	9.4	9.5	9.7
77.5°	10.1	10.1	10.1	9.8	9.6	9.6	9.8	10.1	10.0	9.8	9.9
75°	10.1	10.1	10.1	10.1	10.1	10.1	10.0	10.1	10.1	10.1	10.0
72.5°	10.9	10.4	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
70°	11.9	10.9	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
67.5°	13.1	12.0	10.9	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1
65°	15.5	13.4	12.0	11.0	10.3	10.1	10.1	10.1	10.1	10.1	10.1
62.5°	18.8	14.9	13.0	11.8	10.8	10.2	10.1	10.1	10.1	10.1	10.1
60°	23.0	17.3	14.2	12.7	11.3	10.3	10.1	10.1	10.1	10.1	10.1
57.5°	26.3	19.0	16.3	13.9	12.2	10.8	10.1	10.1	10.1	10.1	10.1
55°	27.6	20.6	18.2	15.8	13.3	11.5	10.4	10.1	10.1	10.1	10.1
52.5°	24.5	21.3	19.7	17.5	15.0	12.4	11.2	10.1	10.1	10.1	10.1
50°	19.2	20.1	20.1	18.5	16.5	14.0	11.9	10.7	10.1	10.1	10.2
47.5°	17.0	18.9	19.4	19.1	17.2	15.3	13.0	11.4	10.1	10.1	10.4
45°	17.5	18.1	18.9	18.6	17.9	16.1	14.0	12.0	10.7	10.3	10.5
42.5°	19.3	19.4	19.0	18.3	18.1	16.7	14.9	12.8	11.2	10.5	10.8
40°	23.3	22.0	20.3	20.0	18.4	17.2	15.4	13.4	11.8	11.0	11.0
37.5°	28.5	26.4	23.5	24.1	20.0	17.8	15.8	13.9	12.6	11.7	11.4
35°	39.4	32.3	30.5	30.3	25.4	18.6	16.2	14.3	13.5	12.4	11.7
32.5°	53.3	43.4	40.5	37.6	32.5	19.7	16.9	15.6	14.4	13.1	12.1
30°	68.4	63.1	52.2	45.9	40.6	26.2	18.7	17.1	15.4	13.8	12.6
27.5°	92.2	85.2	66.7	56.6	48.4	34.7	22.5	18.8	16.5	14.5	13.2
25°	124.2	109.7	87.5	68.8	56.7	55.0	27.1	20.9	17.8	15.3	13.7
22.5°	169.1	138.4	109.8	81.9	90.2	81.0	38.1	24.5	19.3	16.2	14.3
20°	221.1	170.9	144.4	137.5	131.7	109.5	57.2	28.6	21.0	17.1	14.8
17.5°	283.7	251.1	240.4	207.5	178.3	142.3	79.4	33.1	22.7	18.0	15.3
15°	461.5	393.3	346.6	285.9	228.6	178.6	103.7	37.9	24.5	18.8	15.6
12.5°	672.1	544.2	460.6	370.8	281.7	217.5	129.5	42.8	26.3	19.5	15.8
10°	890.4	701.1	580.2	460.0	336.6	258.0	155.9	48.3	28.6	20.2	15.9
7.5°	1112.2	861.3	702.7	551.5	391.3	297.7	184.9	54.8	31.1	20.8	16.0
5°	1313.5	1000.3	803.0	624.8	439.8	334.8	213.1	61.1	33.7	21.3	16.0
2.5°	1424.1	1101.9	885.6	691.5	486.6	369.6	239.3	67.1	36.1	21.8	16.1
0°	1521.3	1196.5	962.4	752.6	530.6	401.5	262.3	72.6	38.3	22.2	16.1
-2.5°	1521.8	1181.4	959.3	771.1	552.5	413.7	272.3	88.7	48.2	27.6	18.0
-5°	1507.0	1159.0	951.6	783.2	570.0	422.3	278.4	103.7	57.5	32.8	19.8
-7.5°	1439.6	1114.7	932.2	785.8	582.4	427.3	281.0	117.3	66.1	37.5	21.4
-10°	1349.5	1055.8	896.7	761.3	577.3	426.0	280.2	129.2	73.7	41.7	22.8
-12.5°	1246.0	993.8	862.1	734.4	566.0	419.1	275.1	138.3	80.2	45.1	23.9
-15°	1129.5	930.0	830.1	706.3	550.9	409.5	267.9	145.0	85.6	47.9	24.6
-17.5°	1004.9	865.7	802.1	678.2	532.3	397.4	259.0	149.5	89.6	50.3	25.7
-20°	938.7	823.4	776.2	651.1	510.3	383.0	248.8	151.7	91.9	51.7	27.1



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	880.6	801.4	738.7	622.6	487.3	366.5	237.6	151.3	92.5	52.2	28.1
-25°	821.2	780.4	701.3	585.3	464.9	349.0	230.7	148.2	91.2	51.5	28.6
-27.5°	788.0	754.4	664.5	545.0	434.7	331.7	226.2	146.3	88.8	49.7	28.5
-30°	767.0	713.1	619.4	503.8	401.9	305.1	218.2	142.1	86.6	48.6	28.0
-32.5°	751.1	673.6	569.6	465.3	368.9	276.7	201.9	135.2	82.8	47.8	27.8
-35°	716.1	625.0	518.1	424.3	335.1	253.2	182.7	125.6	77.3	46.3	27.2
-37.5°	676.1	569.8	471.3	383.3	299.9	228.2	164.9	112.5	70.2	44.1	26.1
-40°	613.0	514.3	424.1	343.4	268.8	201.5	145.4	100.3	65.5	41.0	24.3
-42.5°	547.0	459.8	378.2	302.1	238.1	178.1	125.0	87.1	59.6	37.9	21.8
-45°	484.8	404.6	331.2	266.3	206.6	152.9	109.4	73.9	52.8	34.3	19.6
-47.5°	421.1	350.9	286.3	228.3	176.8	128.3	92.8	65.5	45.4	29.8	18.5
-50°	360.5	298.4	242.4	192.1	144.7	109.0	77.1	56.3	38.9	24.1	17.1
-52.5°	302.4	248.3	200.4	155.8	119.9	88.8	66.0	46.7	32.0	20.9	15.6
-55°	246.7	201.3	159.7	125.5	96.0	73.4	53.9	38.4	24.7	18.7	13.9
-57.5°	196.2	156.3	126.0	98.1	76.8	59.0	43.1	29.7	21.0	16.4	13.5
-60°	148.0	121.2	95.0	77.1	60.8	45.8	32.8	22.6	18.4	14.5	13.1
-62.5°	111.2	89.3	74.2	59.5	46.2	34.1	23.5	19.7	15.7	13.9	12.6
-65°	83.4	69.6	55.4	44.1	33.0	24.1	20.2	16.6	14.7	13.4	12.3
-67.5°	62.7	51.1	39.6	29.4	23.8	19.9	16.7	15.2	14.0	12.8	12.3
-70°	44.1	33.8	26.6	22.1	18.6	16.0	15.4	14.5	13.4	12.6	12.2
-72.5°	29.9	24.6	19.6	16.0	15.5	15.0	14.5	13.8	12.9	12.4	12.1
-75°	20.5	17.9	16.1	14.9	14.5	14.0	13.6	13.0	12.5	12.1	11.7
-77.5°	17.2	15.7	14.5	13.8	13.4	13.1	12.7	12.3	11.9	11.5	11.1
-80°	14.5	13.7	13.1	12.7	12.4	12.1	11.8	11.5	11.1	10.8	10.5
-82.5°	12.2	12.0	11.7	11.5	11.3	11.1	10.9	10.6	10.4	10.1	9.9
-85°	10.8	10.7	10.5	10.4	10.2	10.1	9.9	9.8	9.6	9.5	9.3
-87.5°	9.5	9.4	9.3	9.2	9.2	9.1	9.0	8.9	8.9	8.8	8.7
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P701741 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.6	8.5	8.4	8.4	8.3	8.1	8.1
85°	9.1	9.0	8.8	8.6	8.4	8.2	8.1
82.5°	9.6	9.4	9.1	8.9	8.6	8.2	8.1
80°	10.1	9.8	9.5	9.1	8.8	8.3	8.1
77.5°	10.1	10.1	9.8	9.4	8.9	8.3	8.1
75°	10.1	10.1	10.1	9.6	9.1	8.3	8.1
72.5°	10.1	10.1	10.1	9.9	9.2	8.4	8.1
70°	10.1	10.1	10.1	10.1	9.4	8.4	8.1
67.5°	10.1	10.1	10.1	10.1	9.5	8.5	8.1
65°	10.1	10.1	10.1	10.1	9.6	8.5	8.1
62.5°	10.1	10.1	10.1	10.1	9.7	8.5	8.1
60°	10.1	10.1	10.1	10.1	9.8	8.5	8.1
57.5°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
55°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
52.5°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
50°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
47.5°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
45°	10.3	10.1	10.1	10.1	9.8	8.6	8.1
42.5°	10.5	10.1	10.1	10.1	9.8	8.6	8.1
40°	10.7	10.1	10.1	10.1	9.8	8.6	8.1
37.5°	10.9	10.1	10.1	10.1	9.8	8.6	8.1
35°	11.2	10.2	10.1	10.1	9.8	8.6	8.1
32.5°	11.5	10.4	10.1	10.1	9.8	8.6	8.1
30°	11.8	10.7	10.1	10.1	9.8	8.5	8.1
27.5°	12.2	10.9	10.1	10.1	9.9	8.5	8.1
25°	12.5	11.1	10.1	10.1	9.9	8.5	8.1
22.5°	12.9	11.3	10.1	10.1	9.9	8.5	8.1
20°	13.3	11.5	10.1	10.1	9.9	8.4	8.1
17.5°	13.5	11.6	10.1	10.1	10.0	8.4	8.1
15°	13.7	11.8	10.1	10.1	10.0	8.4	8.1
12.5°	13.8	11.9	10.1	10.1	10.0	8.3	8.1
10°	13.9	11.9	10.1	10.1	10.0	8.3	8.1
7.5°	14.0	12.0	10.1	10.1	10.1	8.2	8.1
5°	14.1	12.1	10.1	10.1	10.1	8.2	8.1
2.5°	14.1	12.1	10.1	10.1	10.1	8.1	8.1
0°	14.1	12.1	10.1	10.1	10.1	8.1	8.1
-2.5°	14.4	12.3	10.3	10.1	10.1	8.1	8.1
-5°	14.6	12.5	10.4	10.1	10.1	8.2	8.1
-7.5°	14.8	12.7	10.6	10.1	10.1	8.2	8.1
-10°	15.0	12.8	10.8	10.1	10.0	8.3	8.1
-12.5°	15.1	13.0	10.9	10.1	10.0	8.3	8.1
-15°	15.3	13.1	11.0	10.1	10.0	8.4	8.1
-17.5°	15.4	13.2	11.1	10.1	10.0	8.4	8.1
-20°	15.9	13.2	11.1	10.1	9.9	8.4	8.1



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.8	13.3	11.2	10.1	9.9	8.5	8.1
-25°	17.4	13.3	11.2	10.1	9.9	8.5	8.1
-27.5°	17.7	13.3	11.1	10.1	9.9	8.5	8.1
-30°	17.6	13.3	11.0	10.1	9.8	8.5	8.1
-32.5°	17.1	13.1	10.9	10.1	9.8	8.6	8.1
-35°	16.7	12.8	10.8	10.1	9.8	8.6	8.1
-37.5°	16.4	12.5	10.7	10.1	9.8	8.6	8.1
-40°	15.9	12.4	10.5	10.1	9.8	8.6	8.1
-42.5°	15.2	12.1	10.5	10.1	9.8	8.6	8.1
-45°	14.4	11.9	10.5	10.2	9.8	8.6	8.1
-47.5°	13.5	11.7	10.6	10.2	9.8	8.6	8.1
-50°	13.1	11.4	10.6	10.2	9.8	8.6	8.1
-52.5°	12.8	11.2	10.7	10.3	9.8	8.6	8.1
-55°	12.4	11.2	10.7	10.3	9.8	8.6	8.1
-57.5°	12.0	11.2	10.8	10.3	9.8	8.6	8.1
-60°	11.7	11.3	10.8	10.2	9.8	8.5	8.1
-62.5°	11.8	11.3	10.8	10.2	9.7	8.5	8.1
-65°	11.8	11.4	10.7	10.2	9.6	8.5	8.1
-67.5°	11.9	11.3	10.5	10.2	9.5	8.5	8.1
-70°	11.9	11.0	10.4	10.1	9.4	8.4	8.1
-72.5°	11.6	10.8	10.3	9.9	9.2	8.4	8.1
-75°	11.1	10.5	10.1	9.6	9.1	8.3	8.1
-77.5°	10.6	10.2	9.8	9.4	8.9	8.3	8.1
-80°	10.2	9.8	9.5	9.1	8.8	8.3	8.1
-82.5°	9.6	9.4	9.1	8.9	8.6	8.2	8.1
-85°	9.1	9.0	8.8	8.6	8.4	8.2	8.1
-87.5°	8.6	8.5	8.4	8.4	8.3	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

