

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: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-7F-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-80-7F-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

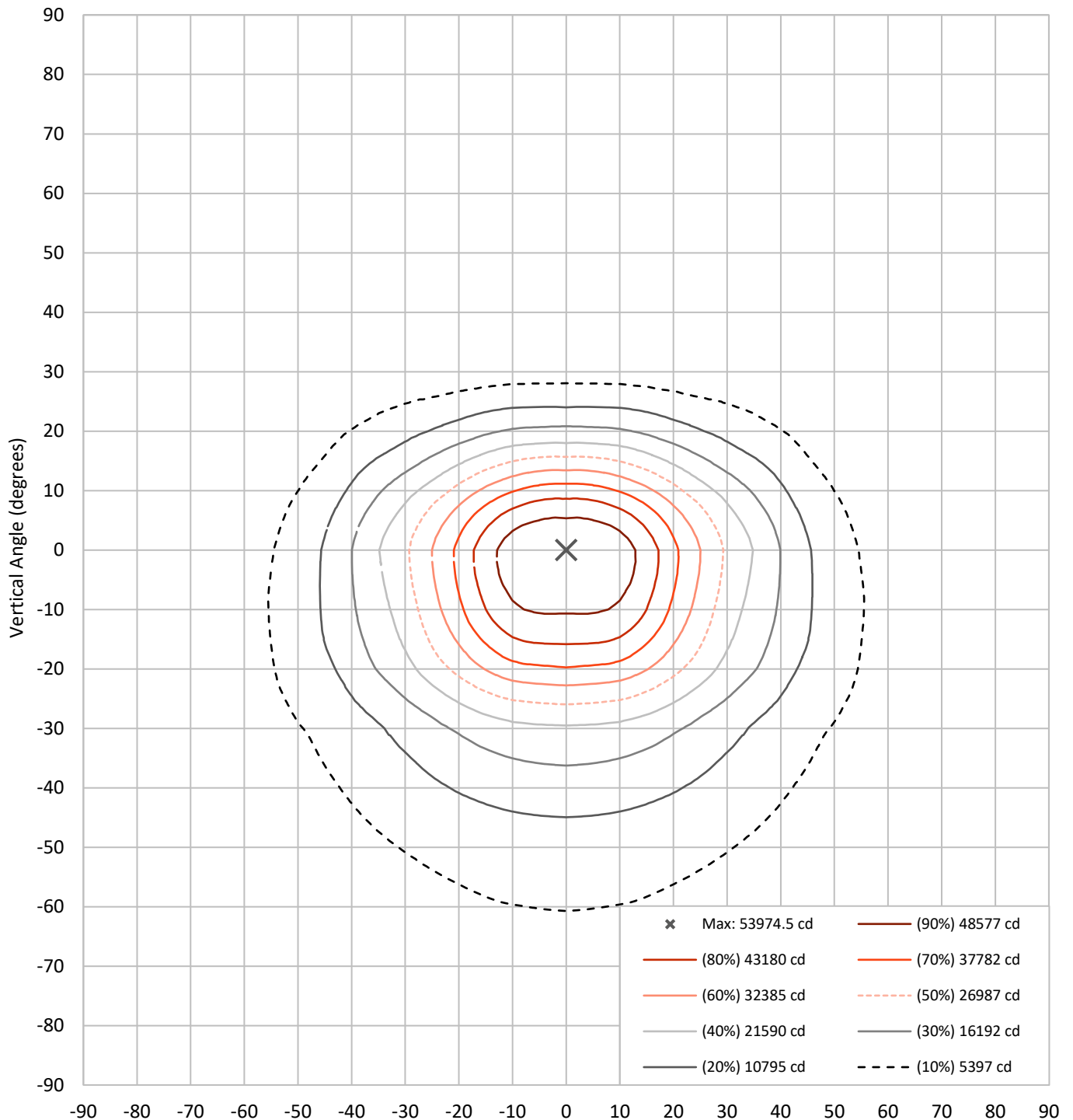
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	47221.4 lumens	Max Intensity:	53974.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	71.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	22892.4 lumens	Field Lumens:	42888.1 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 658
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





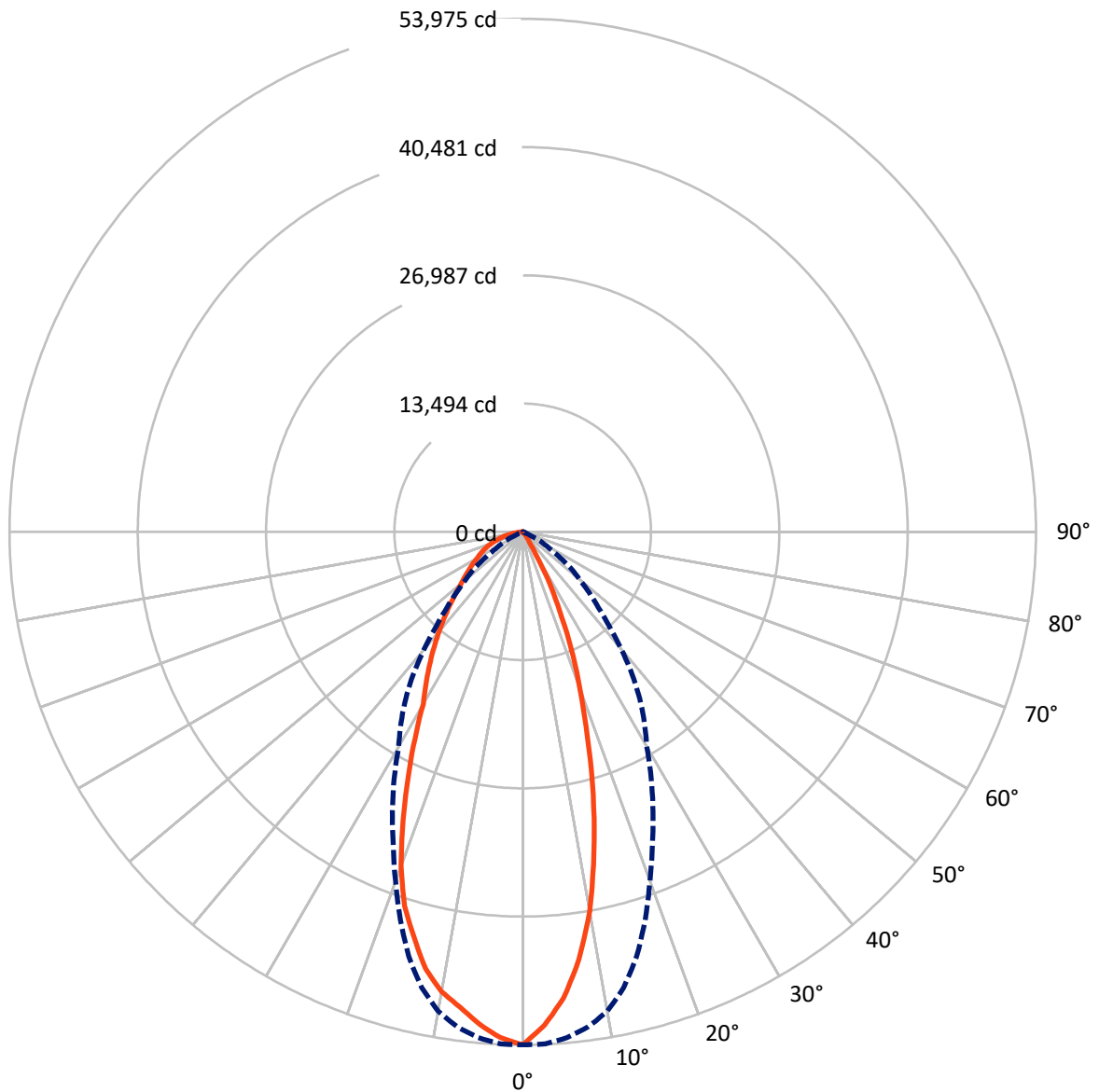
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Lumen Table

90																			
80	0.4	2.3		5.6		4.1		3.2		4.1		5.6		2.3		0.4			
70	0.5	0.6	1.5	2.3	1.7	0.9	0.7	0.6	0.6	0.7	0.9	1.7	2.3	1.5	0.6	0.5			
60		0.7	1.1	1.2	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	1.2	1.1	0.7				
50	0.7	0.7	1.4	2.4	3.2	4.0	4.9	5.5	5.5	4.9	4.0	3.2	2.4	1.4	0.7	0.7			
40		1.0	5.0	11.4	18.6	24.4	32.2	36.7	36.7	32.2	24.4	18.6	11.4	5.0	1.0				
30	1.1	2.8	17.6	51.6	106.9	172.9	250.8	292.7	292.7	250.8	172.9	106.9	51.6	17.6	2.8	1.1			
20		6.6	43.2	128.7	284.1	479.6	707.4	855.5	855.5	707.4	479.6	284.1	128.7	43.2	6.6				
10	2.8	12.8	76.0	219.1	474.0	803.1	1198.1	1446.3	1446.3	1198.1	803.1	474.0	219.1	76.0	12.8	2.8			
0		20.9	97.6	252.1	517.3	876.7	1320.0	1558.3	1558.3	1320.0	876.7	517.3	252.1	97.6	20.9				
-10	6.6	24.3	97.5	236.2	458.6	762.2	1123.3	1320.9	1320.9	1123.3	762.2	458.6	236.2	97.5	24.3	6.6			
-20		23.1	80.1	177.9	334.2	533.1	743.3	857.6	857.6	743.3	533.1	334.2	177.9	80.1	23.1				
-30	7.6	20.9	58.7	122.8	218.5	336.4	447.4	510.0	510.0	447.4	336.4	218.5	122.8	58.7	20.9	7.6			
-40		16.9	42.9	86.4	149.9	223.4	286.6	323.4	323.4	286.6	223.4	149.9	86.4	42.9	16.9				
-50	5.1	12.6	30.1	58.0	97.2	142.3	182.7	205.0	205.0	182.7	142.3	97.2	58.0	30.1	12.6	5.1			
-60		8.6	20.8	39.6	64.3	92.6	119.6	134.3	134.3	119.6	92.6	64.3	39.6	20.8	8.6				
-70																			
-80	1.4	19.7		70.5		135.0		165.9		135.0		70.5		19.7		1.4			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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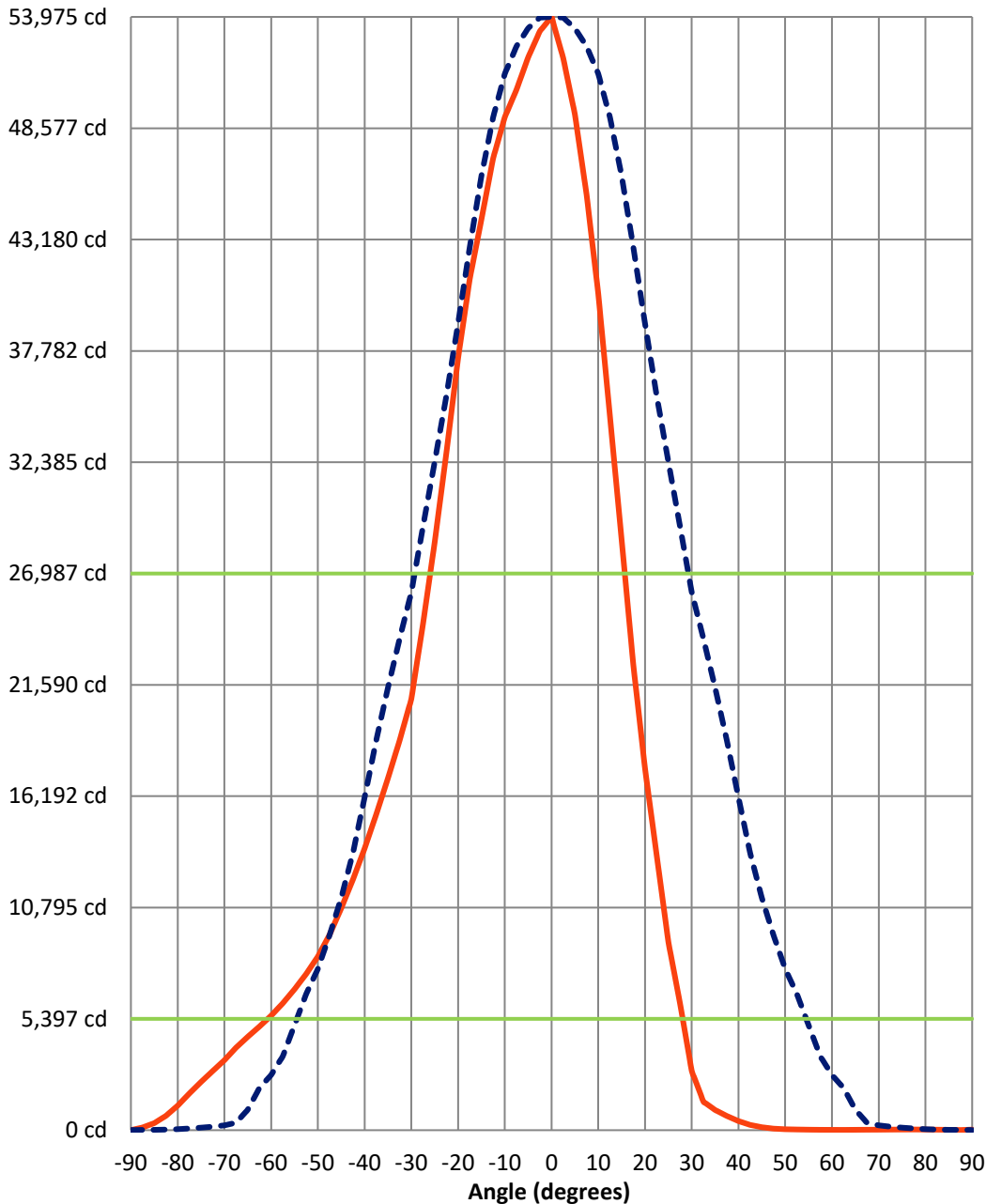
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 41.6°
 Lumens: 22892.4
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 42888.1
 Efficiency: 90.8%

Spill:
 Lumens: 4333.2
 Efficiency: 9.2%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.6	8.6	9.5	10.0	10.5	10.9	11.4	11.9	12.4	12.8	13.3
87.5°	7.6	7.9	8.3	8.8	9.4	10.2	11.0	11.3	11.5	11.6	11.6
85°	7.6	8.2	8.9	9.9	11.2	12.7	14.4	15.0	15.4	15.6	15.6
82.5°	7.6	8.5	9.6	11.1	13.0	15.2	17.8	18.7	19.3	20.6	23.1
80°	7.6	8.8	10.2	12.2	14.7	17.7	20.7	21.3	23.3	27.0	32.3
77.5°	7.6	9.0	10.9	13.4	16.4	19.3	21.1	23.1	27.1	33.1	39.3
75°	7.6	9.3	11.5	14.5	17.8	19.4	21.4	24.7	30.3	35.4	40.5
72.5°	7.6	9.6	12.1	15.5	17.7	19.4	21.7	26.0	31.2	36.4	41.5
70°	7.6	9.9	12.7	16.3	17.6	19.5	22.0	26.6	31.9	37.3	43.2
67.5°	7.6	10.1	13.3	16.1	17.4	19.4	22.8	27.3	32.7	38.8	44.8
65°	7.6	10.4	13.9	15.9	17.2	19.7	23.5	27.8	33.9	40.2	47.0
62.5°	7.6	10.6	14.4	15.6	17.0	20.4	24.2	28.7	35.1	41.8	50.4
60°	7.6	10.9	14.9	15.4	16.8	21.0	24.9	29.6	36.1	44.6	53.6
57.5°	7.6	11.1	14.8	15.1	17.3	21.7	26.1	30.5	38.1	47.1	55.2
55°	7.6	11.3	14.7	14.8	17.8	22.3	27.3	31.8	40.1	49.2	56.1
52.5°	7.6	11.5	14.7	14.5	18.3	22.9	28.5	34.0	41.9	50.2	57.1
50°	7.6	11.7	14.6	14.1	18.8	24.0	29.7	36.3	43.4	51.2	55.5
47.5°	7.6	11.9	14.6	13.9	19.2	25.1	31.1	38.5	44.4	52.2	53.9
45°	7.6	12.1	14.5	14.3	19.6	26.1	33.0	40.8	46.7	51.1	52.4
42.5°	7.6	12.3	14.6	14.6	20.0	27.1	34.9	43.1	49.4	50.1	50.9
40°	7.6	12.4	14.6	15.2	20.6	28.1	36.8	45.7	52.0	49.6	49.8
37.5°	7.6	12.6	14.6	15.9	21.3	29.0	38.7	48.5	54.3	52.5	49.3
35°	7.6	12.7	14.7	16.8	22.1	30.3	40.5	51.5	57.3	56.7	52.9
32.5°	7.6	12.8	14.8	17.6	22.7	31.7	42.4	54.6	60.8	62.1	68.0
30°	7.6	12.9	14.9	18.5	23.3	33.0	44.8	57.8	65.0	68.6	83.4
27.5°	7.6	13.0	15.1	19.3	25.2	34.3	47.3	61.0	70.0	76.2	99.2
25°	7.6	13.1	15.2	20.2	27.3	35.4	49.7	64.6	76.0	87.8	116.8
22.5°	7.6	13.2	15.4	21.1	29.5	37.6	52.2	68.4	82.6	101.2	173.2
20°	7.6	13.3	15.6	22.0	31.7	42.3	54.6	72.4	89.7	114.5	232.9
17.5°	7.6	13.3	15.8	22.9	34.0	47.3	60.9	76.5	97.1	127.6	294.7
15°	7.6	13.3	16.0	23.8	36.3	52.5	69.9	84.9	104.8	140.4	357.6
12.5°	7.6	13.4	16.2	24.7	38.6	57.8	79.0	98.8	120.8	152.9	420.1
10°	7.6	13.4	16.4	25.5	40.9	63.1	88.1	113.0	143.5	190.5	502.5
7.5°	7.6	13.4	16.6	26.3	43.2	68.4	97.2	127.2	166.7	232.9	630.6
5°	7.6	13.4	16.7	27.0	45.3	73.6	106.1	141.4	189.9	276.0	758.1
2.5°	7.6	13.3	16.9	27.8	47.4	78.6	114.9	155.3	212.8	318.7	880.9
0°	7.6	13.3	17.1	28.4	49.3	83.4	123.2	168.7	235.0	360.1	994.9
-2.5°	7.6	13.5	18.3	32.6	58.9	101.3	155.1	221.4	318.1	494.3	1171.0
-5°	7.6	13.8	19.5	36.7	68.2	118.6	186.2	272.8	398.8	623.8	1331.9
-7.5°	7.6	14.0	20.7	40.6	77.1	135.2	215.9	322.1	476.0	746.0	1475.3
-10°	7.6	14.2	21.8	44.3	85.6	150.8	243.9	368.5	548.4	858.5	1599.1
-12.5°	7.6	14.4	22.9	47.8	93.4	165.3	269.7	411.4	614.8	955.1	1646.0
-15°	7.6	14.5	23.9	51.0	100.6	178.5	293.0	450.1	673.1	1014.2	1653.3
-17.5°	7.6	14.7	24.8	53.8	107.0	190.2	313.4	486.9	723.3	1064.8	1650.7
-20°	7.6	14.8	25.7	56.2	112.4	200.2	333.3	521.3	766.7	1106.4	1639.2



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.6	14.9	26.4	58.2	117.0	208.4	354.5	550.7	802.9	1138.7	1620.1
-25°	7.6	15.0	27.1	59.8	120.4	219.2	372.1	574.7	831.3	1161.4	1594.4
-27.5°	7.6	15.0	27.6	60.9	122.8	229.4	385.8	593.0	851.6	1180.1	1610.6
-30°	7.6	15.0	28.0	61.4	124.4	237.1	395.4	605.4	868.6	1199.8	1617.1
-32.5°	7.6	15.0	28.3	61.5	128.2	242.1	400.9	614.9	880.5	1208.6	1611.4
-35°	7.6	15.0	28.5	61.0	130.6	244.4	405.2	619.5	884.1	1206.0	1593.6
-37.5°	7.6	15.0	28.5	59.9	131.3	245.0	406.8	618.1	879.2	1192.1	1515.7
-40°	7.6	14.9	28.4	58.2	130.5	245.1	404.1	610.6	865.8	1175.3	1437.8
-42.5°	7.6	14.8	28.2	56.6	129.3	242.6	397.3	597.0	848.6	1118.7	1354.9
-45°	7.6	14.7	27.9	55.6	128.0	237.7	386.2	580.0	825.5	1053.6	1269.4
-47.5°	7.6	14.5	27.4	53.8	125.4	230.1	371.0	561.2	793.9	985.4	1193.1
-50°	7.6	14.3	26.8	53.3	121.5	220.1	356.8	536.8	738.3	922.9	1113.5
-52.5°	7.6	14.1	26.0	52.7	116.2	207.6	340.0	506.8	686.2	857.8	1031.7
-55°	7.6	13.9	25.2	51.5	109.7	197.0	319.6	472.5	634.0	790.0	956.7
-57.5°	7.6	13.6	24.2	49.7	102.0	185.3	296.0	441.3	579.4	726.4	879.1
-60°	7.6	13.3	23.1	47.3	93.2	171.6	270.1	402.1	524.2	662.1	801.7
-62.5°	7.6	13.0	22.2	44.4	87.0	156.3	248.2	359.0	472.8	595.4	727.3
-65°	7.6	12.7	21.3	40.9	79.7	139.2	223.9	316.6	418.8	530.8	650.3
-67.5°	7.6	12.3	20.4	36.9	71.6	123.0	197.5	279.3	362.3	464.4	572.6
-70°	7.6	12.0	19.3	32.6	62.6	107.9	169.0	240.1	313.8	395.4	492.7
-72.5°	7.6	11.6	18.2	29.7	52.9	91.6	143.7	199.3	263.4	334.4	412.0
-75°	7.6	11.2	17.1	27.2	42.5	74.2	117.5	162.3	211.2	271.3	337.2
-77.5°	7.6	10.8	15.9	24.6	36.6	55.9	90.0	126.1	165.6	209.3	260.0
-80°	7.6	10.3	14.7	21.8	31.7	44.2	61.5	89.0	119.8	153.8	191.1
-82.5°	7.6	9.9	13.4	18.9	26.5	36.1	47.7	58.8	73.0	97.3	124.0
-85°	7.6	9.5	12.1	16.0	21.2	27.8	35.8	43.3	51.7	60.8	70.7
-87.5°	7.6	9.0	10.8	13.0	15.9	19.4	23.6	27.7	32.1	36.9	42.1
-90°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	13.8	14.3	14.7	15.2	15.7	16.2	16.6	17.1	18.0	19.0	19.9
87.5°	12.2	12.8	13.5	14.1	12.9	11.6	10.0	8.4	8.8	9.3	9.8
85°	16.8	18.0	19.7	20.9	20.0	19.2	18.6	18.2	19.2	20.0	20.6
82.5°	25.4	27.0	28.1	28.6	29.1	30.0	31.7	35.0	37.1	38.4	38.9
80°	34.9	36.1	37.2	39.8	44.3	49.7	55.8	62.6	64.5	64.1	62.9
77.5°	40.7	43.1	47.6	54.0	61.5	69.1	77.6	86.7	89.0	87.9	86.1
75°	44.2	49.5	56.9	66.1	75.8	86.0	96.9	106.8	109.3	106.1	102.2
72.5°	47.3	55.0	64.9	76.9	88.1	98.6	109.6	121.2	125.7	120.3	113.2
70°	50.0	59.8	71.8	84.6	97.4	108.6	119.4	131.8	139.8	129.8	114.4
67.5°	52.3	64.6	77.7	90.9	101.8	113.0	126.0	131.4	134.4	118.3	101.8
65°	55.9	69.0	80.7	91.8	103.3	108.7	113.1	117.1	115.5	97.3	79.8
62.5°	59.3	70.1	81.0	89.9	93.5	96.9	96.3	92.5	86.6	75.3	61.6
60°	60.6	69.8	77.7	81.5	82.8	79.8	75.3	71.8	66.7	57.0	48.0
57.5°	61.4	66.7	71.1	72.2	68.8	64.1	62.4	57.4	53.7	47.6	39.4
55°	60.9	61.6	63.8	61.3	58.5	56.8	54.0	52.4	47.2	41.5	35.4
52.5°	58.3	57.4	55.5	54.3	55.1	54.7	53.8	51.1	46.3	40.6	37.2
50°	56.0	52.6	49.6	53.9	57.7	60.9	56.0	53.0	52.8	50.1	44.6
47.5°	53.1	48.7	51.4	57.9	68.9	72.9	66.0	65.9	68.1	73.5	66.9
45°	50.5	52.2	56.5	72.7	86.1	92.2	93.2	85.9	104.1	110.1	108.3
42.5°	48.7	59.4	78.9	90.2	111.7	125.1	130.4	141.2	151.9	165.1	168.5
40°	55.7	69.0	112.7	132.0	145.3	168.0	195.5	213.4	216.8	236.7	245.7
37.5°	65.0	107.3	158.8	192.1	191.3	230.7	271.9	315.0	339.3	320.2	364.2
35°	75.5	152.5	225.3	273.9	286.3	310.7	383.3	465.8	545.6	498.9	521.6
32.5°	106.7	204.2	303.1	377.6	449.9	466.4	511.3	735.0	879.8	882.2	765.7
30°	157.8	277.0	396.0	497.6	664.9	741.7	813.4	1091.3	1334.7	1491.5	1524.7
27.5°	221.9	360.1	509.5	692.3	929.5	1068.0	1300.4	1598.8	1981.9	2268.8	2467.0
25°	293.8	488.7	633.5	938.7	1245.3	1499.7	1826.0	2236.7	2774.0	3233.8	3663.0
22.5°	386.3	638.0	830.3	1214.6	1595.3	1966.5	2419.6	3010.1	3693.8	4291.7	4899.9
20°	502.7	807.6	1086.9	1555.1	1993.2	2440.0	3021.5	3842.5	4708.0	5553.2	6342.4
17.5°	628.7	986.3	1374.3	1944.0	2536.9	3042.1	3650.9	4707.0	5776.0	6936.8	8086.3
15°	761.4	1171.5	1659.3	2368.4	3120.5	3808.4	4613.6	5689.5	6960.7	8449.6	9932.5
12.5°	897.7	1360.0	1938.9	2817.5	3729.3	4588.7	5614.0	6841.6	8301.0	10066.7	11864.9
10°	1034.1	1548.7	2210.0	3279.6	4351.3	5372.8	6589.1	7953.8	9622.5	11606.6	13640.7
7.5°	1281.4	1796.6	2491.3	3741.9	4973.8	6149.1	7530.4	9018.7	10874.1	13079.8	15304.6
5°	1545.5	2102.0	2874.8	4226.9	5561.6	6830.4	8376.9	10026.2	12046.0	14467.1	16879.6
2.5°	1802.0	2395.8	3240.9	4679.7	6102.0	7349.9	8946.1	10680.3	12819.4	15435.8	18076.0
0°	2042.9	2675.9	3585.5	5090.3	6598.8	7819.2	9450.9	11262.6	13430.6	16129.2	18907.5
-2.5°	2260.5	2931.9	3875.6	5341.4	6752.2	7935.4	9578.6	11395.4	13539.8	16131.8	18700.1
-5°	2451.8	3170.4	4138.4	5551.0	6866.7	8012.4	9639.2	11449.0	13552.0	16015.7	18413.8
-7.5°	2614.8	3390.1	4372.3	5701.9	6927.7	8074.1	9652.1	11430.0	13480.5	15804.9	18075.7
-10°	2723.6	3480.7	4386.9	5662.7	6911.0	8099.0	9608.0	11338.4	13312.7	15505.6	17656.6
-12.5°	2653.3	3447.1	4334.8	5575.5	6853.3	8066.9	9505.1	11177.9	13052.1	15135.0	17161.5
-15°	2573.6	3391.6	4249.8	5438.7	6754.9	7974.0	9346.7	10952.1	12604.9	14528.1	16527.6
-17.5°	2488.7	3313.0	4130.8	5251.0	6616.1	7817.2	9053.2	10356.5	11873.0	13759.3	15734.5
-20°	2402.4	3210.6	3977.2	5011.7	6425.6	7418.7	8430.4	9642.1	11079.9	12835.9	14813.2



REPORT NUMBER: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2318.2	3083.9	3815.1	4801.3	5917.9	6855.0	7769.2	8859.5	10165.4	11754.4	13487.1
-25°	2254.7	2952.6	3658.1	4457.4	5384.4	6282.4	7059.7	8026.3	9214.2	10573.4	11944.2
-27.5°	2205.5	2836.1	3436.0	4118.1	4882.8	5705.1	6395.4	7225.3	8343.9	9432.5	10490.5
-30°	2153.0	2681.9	3211.0	3805.2	4481.2	5163.1	5762.0	6571.9	7567.1	8506.5	9348.7
-32.5°	2051.8	2519.0	3013.9	3549.5	4116.3	4678.1	5304.9	6072.2	6904.0	7711.7	8387.4
-35°	1931.9	2366.2	2824.1	3296.8	3775.7	4318.8	4943.1	5601.3	6305.1	7035.4	7805.3
-37.5°	1831.3	2207.0	2628.8	3062.7	3504.9	4010.8	4569.3	5173.6	5797.6	6450.7	7204.4
-40°	1723.2	2042.0	2443.2	2845.2	3252.2	3707.3	4220.6	4756.8	5316.0	5934.5	6586.8
-42.5°	1610.6	1914.2	2257.7	2623.3	3005.1	3412.9	3859.5	4357.9	4871.9	5415.1	5997.8
-45°	1513.6	1779.8	2074.8	2415.4	2754.9	3115.6	3519.1	3953.4	4435.8	4919.4	5426.6
-47.5°	1411.6	1646.2	1920.1	2204.1	2516.1	2835.7	3173.5	3582.6	3999.2	4442.6	4882.1
-50°	1309.8	1529.5	1759.3	2021.1	2288.6	2568.8	2865.1	3230.8	3613.1	3985.9	4371.1
-52.5°	1218.7	1407.9	1623.8	1846.0	2084.4	2327.5	2602.2	2920.4	3257.1	3589.1	3932.1
-55°	1124.2	1301.6	1491.5	1691.7	1896.3	2112.5	2365.4	2648.8	2925.8	3234.7	3541.7
-57.5°	1034.8	1198.5	1371.2	1547.8	1731.6	1918.4	2161.9	2397.5	2654.7	2911.2	3177.5
-60°	947.4	1098.9	1257.4	1417.6	1576.9	1764.2	1970.8	2190.1	2409.1	2627.2	2876.3
-62.5°	859.0	1003.9	1148.2	1293.5	1441.5	1615.2	1812.1	2005.4	2192.0	2399.7	2611.0
-65°	774.6	906.7	1043.0	1177.2	1308.7	1477.0	1654.5	1837.3	2018.8	2193.1	2372.6
-67.5°	686.9	807.3	933.0	1062.2	1188.6	1334.6	1493.1	1659.6	1828.9	1989.3	2153.8
-70°	594.9	703.5	816.8	934.0	1056.5	1186.7	1322.2	1468.0	1617.9	1759.6	1902.8
-72.5°	499.0	593.1	693.4	799.5	906.0	1017.6	1136.4	1261.6	1384.3	1503.0	1626.8
-75°	405.8	479.5	563.4	652.7	743.5	837.8	937.0	1039.1	1137.6	1234.1	1333.5
-77.5°	314.2	372.6	436.2	504.6	572.6	645.8	723.4	804.9	881.5	956.6	1032.8
-80°	226.6	263.3	309.7	360.4	411.6	463.9	517.5	572.2	621.1	672.6	728.0
-82.5°	149.2	175.6	203.3	232.1	261.2	291.2	323.8	362.4	394.8	426.7	458.9
-85°	78.8	87.0	103.7	121.3	138.3	156.0	174.3	193.1	209.9	225.9	241.1
-87.5°	46.3	50.7	55.2	59.7	63.5	67.3	71.0	74.6	79.8	84.9	90.1
-90°	7.6	7.6	7.6	7.6	7.1	6.7	6.2	5.7	5.7	5.7	5.7



REPORT NUMBER: P701600 (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°
90°	20.8	21.8	22.7	23.7	24.6	25.1	25.6	26.0	26.5	27.0	27.5
87.5°	10.4	10.1	9.8	9.5	9.1	11.4	13.7	16.0	18.5	16.8	15.0
85°	21.0	21.0	20.8	20.6	20.2	23.4	26.6	29.8	33.0	30.2	27.1
82.5°	38.8	38.1	36.7	34.9	32.5	32.2	31.6	30.5	29.1	27.7	26.6
80°	61.1	58.3	54.6	50.2	45.1	42.4	39.8	36.8	33.6	32.7	31.9
77.5°	82.7	77.2	70.7	63.6	56.1	51.3	47.1	42.7	37.9	36.6	35.8
75°	97.7	90.8	81.1	70.9	60.3	53.2	47.8	42.5	37.4	35.5	34.4
72.5°	104.6	94.3	82.5	68.9	55.9	47.3	42.1	37.2	32.7	30.8	30.0
70°	99.3	84.8	71.4	58.4	46.2	38.1	34.3	31.0	28.3	26.9	26.2
67.5°	84.7	69.9	57.1	45.7	36.3	30.2	28.0	26.1	24.4	23.5	23.1
65°	65.6	54.2	44.3	36.3	29.8	25.6	24.0	22.4	20.9	19.9	19.6
62.5°	49.7	40.9	34.5	29.4	25.4	22.5	21.3	20.3	19.5	18.9	18.4
60°	39.8	32.4	28.4	25.7	23.2	21.1	20.8	20.6	20.4	20.0	19.3
57.5°	34.1	29.5	26.5	25.8	24.8	23.4	23.0	22.9	22.1	20.7	20.1
55°	32.5	31.4	30.1	30.7	30.6	29.5	27.8	26.6	25.5	24.4	24.6
52.5°	36.3	38.7	40.0	39.9	38.0	35.1	31.8	32.3	32.9	33.5	34.1
50°	48.4	51.4	51.4	47.2	46.9	45.3	41.4	43.2	45.6	46.2	46.6
47.5°	67.2	70.2	72.1	64.7	66.0	70.0	65.7	64.5	72.5	76.1	77.9
45°	98.0	110.0	113.4	115.7	112.4	122.9	123.0	118.1	133.7	142.1	145.0
42.5°	163.2	183.5	199.5	204.2	200.4	213.4	223.4	222.6	242.2	256.1	259.8
40°	273.2	292.3	315.2	323.7	327.5	339.4	364.5	380.7	400.4	422.2	433.2
37.5°	414.2	444.1	448.8	466.4	488.4	499.5	537.8	570.4	597.2	637.9	664.1
35°	620.8	699.8	614.7	655.1	711.0	717.5	752.2	827.6	846.5	917.8	957.2
32.5°	1002.0	1149.1	1129.8	993.1	1113.3	1249.7	1097.8	1368.1	1343.9	1420.0	1516.7
30°	1581.4	2009.1	2056.6	1856.6	2190.4	2371.5	2342.4	2611.8	2784.4	2763.0	3098.0
27.5°	2821.3	3164.3	3320.1	3607.3	3787.6	4054.7	4524.9	4799.0	5291.7	5550.2	5860.4
25°	4163.2	4568.7	5069.2	5563.1	5938.3	6530.3	7190.3	7709.2	8406.6	8844.2	9163.1
22.5°	5613.8	6330.0	7026.8	7714.8	8472.3	9287.6	10066.2	10965.4	11814.2	12440.9	12914.8
20°	7204.0	8195.3	9180.8	10125.4	11070.4	12160.6	13124.7	14205.2	15247.9	16154.4	16778.7
17.5°	9169.9	10206.4	11464.9	12728.8	13953.1	15303.1	16727.1	17938.8	19401.0	20608.5	21516.8
15°	11311.1	12609.0	13982.5	15563.4	17216.7	18887.2	20614.4	22395.7	24060.2	25604.1	26760.6
12.5°	13522.0	15137.5	16811.1	18561.6	20478.7	22557.6	24728.0	26848.2	28906.3	30603.3	32189.9
10°	15645.8	17664.8	19606.8	21658.0	23865.6	26191.3	28732.9	31258.4	33650.4	35740.8	37448.3
7.5°	17506.7	19698.6	21939.1	24454.3	27074.6	29680.8	32434.5	35267.4	37989.9	40399.5	42395.6
5°	19255.9	21542.8	23812.6	26518.5	29409.7	32400.4	35518.1	38700.4	41639.7	44363.9	46574.6
2.5°	20619.8	23025.2	25359.1	28326.1	31376.9	34422.7	37601.7	41081.2	44359.9	47321.2	49490.3
0°	21452.6	23827.2	26082.3	29266.1	32404.4	35601.5	39107.4	42810.4	46263.3	49100.3	51213.3
-2.5°	21164.6	23481.4	25927.9	29055.3	32373.1	35570.6	39117.3	42854.3	46284.8	49167.7	51231.1
-5°	20769.2	23040.4	25516.5	28645.8	31883.8	35077.7	38574.4	42249.4	45618.6	48454.6	50408.9
-7.5°	20282.9	22475.2	24889.7	27924.5	31144.5	34342.2	37746.0	41223.2	44445.3	47264.5	49103.4
-10°	19708.1	21786.4	24175.1	27094.0	30289.4	33371.8	36606.1	40050.0	43283.7	45847.5	47821.2
-12.5°	19111.8	21136.5	23354.8	26116.5	29175.5	32041.2	35129.2	38445.6	41294.5	43916.4	45650.9
-15°	18428.9	20370.7	22450.6	24996.2	27768.7	30451.0	33133.4	36057.9	38657.5	40988.8	42831.8
-17.5°	17638.6	19478.3	21303.8	23592.7	26247.2	28643.0	30991.5	33538.2	35849.2	37989.6	39585.2
-20°	16546.9	18060.8	19814.9	22004.6	24304.1	26324.9	28467.7	30607.0	32664.4	34476.3	35827.4



REPORT NUMBER: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14983.2	16456.4	18081.3	19872.2	21796.1	23652.3	25486.5	27236.9	28910.8	30418.6	31506.1
-25°	13318.8	14664.3	16131.1	17619.8	19156.0	20818.8	22427.6	23872.4	25248.9	26413.9	27309.7
-27.5°	11665.1	12937.5	14219.9	15421.3	16650.0	18039.0	19447.0	20656.7	21822.5	22735.1	23433.5
-30°	10187.9	11548.2	12677.4	13494.8	14685.6	15904.1	16817.0	17917.6	18836.0	19418.3	20168.9
-32.5°	9373.9	10399.9	11423.7	12264.2	13210.3	14279.5	15144.0	16043.1	16818.2	17444.1	17916.0
-35°	8631.4	9532.9	10398.0	11262.7	12107.5	12966.3	13763.0	14522.1	15209.6	15763.0	16200.3
-37.5°	7964.4	8744.7	9527.8	10273.7	11032.6	11750.5	12434.4	13089.0	13667.1	14165.9	14578.1
-40°	7290.9	7988.0	8676.7	9351.2	10014.8	10600.7	11188.9	11729.8	12217.6	12659.0	13019.4
-42.5°	6614.7	7236.7	7839.9	8451.8	9040.7	9549.3	10034.8	10481.9	10900.2	11276.4	11587.4
-45°	5949.8	6499.1	7030.7	7573.9	8070.5	8534.0	8957.3	9333.8	9693.2	10010.3	10271.6
-47.5°	5350.7	5798.0	6272.3	6736.0	7167.1	7584.5	7954.7	8286.1	8601.4	8869.9	9083.1
-50°	4793.7	5202.2	5602.0	5977.7	6380.5	6746.5	7059.8	7365.2	7651.9	7891.5	8071.4
-52.5°	4270.1	4647.0	5006.6	5357.1	5706.5	6032.2	6332.7	6612.0	6862.5	7082.1	7237.9
-55°	3855.6	4163.6	4454.9	4792.1	5112.9	5402.3	5671.4	5942.5	6184.0	6397.3	6527.5
-57.5°	3463.1	3741.1	4018.3	4309.9	4592.0	4864.0	5119.5	5357.1	5579.5	5779.1	5891.3
-60°	3112.9	3337.2	3600.9	3869.9	4125.7	4368.4	4608.3	4831.1	5037.9	5211.6	5310.7
-62.5°	2819.6	3032.7	3255.8	3480.4	3701.8	3927.7	4145.3	4352.3	4548.6	4706.8	4803.2
-65°	2560.9	2753.8	2948.9	3147.8	3349.5	3548.4	3733.7	3915.6	4093.0	4228.6	4315.4
-67.5°	2317.4	2483.4	2647.3	2816.6	2990.3	3161.9	3325.4	3486.6	3644.5	3753.9	3821.9
-70°	2050.5	2197.1	2338.2	2480.8	2622.7	2762.1	2897.2	3032.0	3165.1	3253.0	3311.1
-72.5°	1754.7	1877.2	1991.7	2105.6	2221.6	2336.2	2447.3	2555.3	2659.6	2727.6	2777.9
-75°	1435.3	1528.7	1617.6	1707.4	1797.4	1890.5	1982.2	2070.2	2154.0	2204.9	2244.0
-77.5°	1110.1	1176.2	1238.9	1302.1	1365.3	1437.4	1510.5	1581.4	1649.6	1685.7	1712.5
-80°	784.0	830.3	873.1	914.1	953.0	999.0	1045.3	1090.2	1133.2	1153.9	1169.0
-82.5°	491.1	518.3	543.7	567.9	590.6	615.2	638.6	660.4	680.5	690.4	697.8
-85°	255.5	267.3	278.2	288.3	297.5	308.9	319.7	329.7	338.9	341.9	343.9
-87.5°	95.3	98.9	102.3	105.6	108.8	113.1	117.3	121.4	125.4	126.5	127.4
-90°	5.7	5.7	5.7	5.7	5.7	5.2	4.8	4.3	3.8	3.8	3.8



REPORT NUMBER: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	27.9	28.4	28.4	28.4	28.4	28.4	27.9	27.5	27.0	26.5	26.0
87.5°	13.2	11.4	10.4	9.5	10.4	11.4	13.2	15.0	16.8	18.5	16.0
85°	24.0	20.8	19.9	19.0	19.9	20.8	24.0	27.1	30.2	33.0	29.8
82.5°	25.5	24.6	24.6	24.6	24.6	24.6	25.5	26.6	27.7	29.1	30.5
80°	31.1	30.2	30.3	30.3	30.3	30.2	31.1	31.9	32.7	33.6	36.8
77.5°	35.0	34.1	34.1	34.1	34.1	34.1	35.0	35.8	36.6	37.9	42.7
75°	33.3	32.3	32.2	32.2	32.2	32.3	33.3	34.4	35.5	37.4	42.5
72.5°	29.2	28.6	28.4	28.4	28.4	28.6	29.2	30.0	30.8	32.7	37.2
70°	25.4	24.8	24.6	24.6	24.6	24.8	25.4	26.2	26.9	28.3	31.0
67.5°	22.9	22.8	22.7	22.7	22.7	22.8	22.9	23.1	23.5	24.4	26.1
65°	19.3	19.2	19.0	19.0	19.0	19.2	19.3	19.6	19.9	20.9	22.4
62.5°	17.9	17.3	16.3	15.2	16.3	17.3	17.9	18.4	18.9	19.5	20.3
60°	18.4	17.4	17.1	17.1	17.1	17.4	18.4	19.3	20.0	20.4	20.6
57.5°	19.6	19.1	19.0	19.0	19.0	19.1	19.6	20.1	20.7	22.1	22.9
55°	24.6	24.5	24.5	24.6	24.5	24.5	24.6	24.6	24.4	25.5	26.6
52.5°	34.2	33.9	33.9	34.1	33.9	33.9	34.2	34.1	33.5	32.9	32.3
50°	47.0	47.0	46.5	45.5	46.5	47.0	47.0	46.6	46.2	45.6	43.2
47.5°	79.0	77.8	76.5	75.8	76.5	77.8	79.0	77.9	76.1	72.5	64.5
45°	148.4	147.3	145.2	144.0	145.2	147.3	148.4	145.0	142.1	133.7	118.1
42.5°	265.8	263.7	258.7	255.8	258.7	263.7	265.8	259.8	256.1	242.2	222.6
40°	445.6	447.9	444.0	441.6	444.0	447.9	445.6	433.2	422.2	400.4	380.7
37.5°	684.9	694.9	693.6	689.8	693.6	694.9	684.9	664.1	637.9	597.2	570.4
35°	975.3	986.4	980.7	979.8	980.7	986.4	975.3	957.2	917.8	846.5	827.6
32.5°	1444.1	1427.7	1366.5	1383.4	1366.5	1427.7	1444.1	1516.7	1420.0	1343.9	1368.1
30°	3120.6	3180.6	3009.6	2873.0	3009.6	3180.6	3120.6	3098.0	2763.0	2784.4	2611.8
27.5°	5891.0	6020.5	5996.3	6136.4	5996.3	6020.5	5891.0	5860.4	5550.2	5291.7	4799.0
25°	9288.3	9374.0	9379.6	9126.8	9379.6	9374.0	9288.3	9163.1	8844.2	8406.6	7709.2
22.5°	13090.3	13173.1	13324.1	13324.5	13324.1	13173.1	13090.3	12914.8	12440.9	11814.2	10965.4
20°	17212.7	17227.8	17516.4	17537.3	17516.4	17227.8	17212.7	16778.7	16154.4	15247.9	14205.2
17.5°	22156.2	22396.6	22786.7	22559.3	22786.7	22396.6	22156.2	21516.8	20608.5	19401.0	17938.8
15°	27855.0	28392.1	28809.2	28621.8	28809.2	28392.1	27855.0	26760.6	25604.1	24060.2	22395.7
12.5°	33451.5	34298.2	34701.4	34602.8	34701.4	34298.2	33451.5	32189.9	30603.3	28906.3	26848.2
10°	38778.6	39970.4	40398.5	40549.6	40398.5	39970.4	38778.6	37448.3	35740.8	33650.4	31258.4
7.5°	43885.6	44977.7	45626.7	45355.6	45626.7	44977.7	43885.6	42395.6	40399.5	37989.9	35267.4
5°	47984.4	48906.7	49431.0	49244.3	49431.0	48906.7	47984.4	46574.6	44363.9	41639.7	38700.4
2.5°	50887.2	51748.5	52202.9	51974.3	52202.9	51748.5	50887.2	49490.3	47321.2	44359.9	41081.2
0°	52545.6	53423.0	53937.5	53974.5	53937.5	53423.0	52545.6	51213.3	49100.3	46263.3	42810.4
-2.5°	52480.8	53100.7	53462.3	53278.1	53462.3	53100.7	52480.8	51231.1	49167.7	46284.8	42854.3
-5°	51382.2	51905.6	52093.4	52013.1	52093.4	51905.6	51382.2	50408.9	48454.6	45618.6	42249.4
-7.5°	50026.7	50412.7	50541.7	50445.9	50541.7	50412.7	50026.7	49103.4	47264.5	44445.3	41223.2
-10°	48715.4	49101.1	49166.5	49111.7	49166.5	49101.1	48715.4	47821.2	45847.5	43283.7	40050.0
-12.5°	46806.2	47224.1	47237.7	47110.4	47237.7	47224.1	46806.2	45650.9	43916.4	41294.5	38445.6
-15°	43828.4	44170.2	44225.3	44154.1	44225.3	44170.2	43828.4	42831.8	40988.8	38657.5	36057.9
-17.5°	40518.6	40745.0	40990.2	41264.0	40990.2	40745.0	40518.6	39585.2	37989.6	35849.2	33538.2
-20°	36544.7	36815.4	37104.9	37411.3	37104.9	36815.4	36544.7	35827.4	34476.3	32664.4	30607.0



REPORT NUMBER: P701600 (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°	32078.5	32382.8	32679.6	32834.6	32679.6	32382.8	32078.5	31506.1	30418.6	28910.8	27236.9
-25°	27758.3	28128.8	28363.1	28504.3	28363.1	28128.8	27758.3	27309.7	26413.9	25248.9	23872.4
-27.5°	23797.8	24237.0	24453.2	24545.4	24453.2	24237.0	23797.8	23433.5	22735.1	21822.5	20656.7
-30°	20462.0	20731.7	20769.0	20908.7	20769.0	20731.7	20462.0	20168.9	19418.3	18836.0	17917.6
-32.5°	18262.8	18562.4	18744.5	18898.0	18744.5	18562.4	18262.8	17916.0	17444.1	16818.2	16043.1
-35°	16539.8	16811.2	16989.8	17063.5	16989.8	16811.2	16539.8	16200.3	15763.0	15209.6	14522.1
-37.5°	14888.4	15093.4	15218.3	15318.1	15218.3	15093.4	14888.4	14578.1	14165.9	13667.1	13089.0
-40°	13296.1	13499.5	13623.0	13656.1	13623.0	13499.5	13296.1	13019.4	12659.0	12217.6	11729.8
-42.5°	11810.0	11966.6	12074.1	12147.6	12074.1	11966.6	11810.0	11587.4	11276.4	10900.2	10481.9
-45°	10464.2	10602.2	10697.9	10756.6	10697.9	10602.2	10464.2	10271.6	10010.3	9693.2	9333.8
-47.5°	9240.2	9351.2	9427.4	9471.7	9427.4	9351.2	9240.2	9083.1	8869.9	8601.4	8286.1
-50°	8205.6	8304.9	8375.3	8418.1	8375.3	8304.9	8205.6	8071.4	7891.5	7651.9	7365.2
-52.5°	7359.7	7456.2	7527.0	7572.8	7527.0	7456.2	7359.7	7237.9	7082.1	6862.5	6612.0
-55°	6635.7	6724.3	6788.5	6830.0	6788.5	6724.3	6635.7	6527.5	6397.3	6184.0	5942.5
-57.5°	5986.5	6064.8	6119.1	6153.4	6119.1	6064.8	5986.5	5891.3	5779.1	5579.5	5357.1
-60°	5395.3	5465.9	5515.9	5550.8	5515.9	5465.9	5395.3	5310.7	5211.6	5037.9	4831.1
-62.5°	4888.4	4962.6	5002.2	5023.9	5002.2	4962.6	4888.4	4803.2	4706.8	4548.6	4352.3
-65°	4395.2	4466.7	4505.3	4527.4	4505.3	4466.7	4395.2	4315.4	4228.6	4093.0	3915.6
-67.5°	3881.9	3933.5	3972.7	4002.5	3972.7	3933.5	3881.9	3821.9	3753.9	3644.5	3486.6
-70°	3361.1	3402.8	3404.1	3392.2	3404.1	3402.8	3361.1	3311.1	3253.0	3165.1	3032.0
-72.5°	2821.5	2858.0	2867.5	2867.3	2867.5	2858.0	2821.5	2777.9	2727.6	2659.6	2555.3
-75°	2277.7	2305.8	2324.6	2336.7	2324.6	2305.8	2277.7	2244.0	2204.9	2154.0	2070.2
-77.5°	1734.5	1751.3	1767.0	1777.6	1767.0	1751.3	1734.5	1712.5	1685.7	1649.6	1581.4
-80°	1180.5	1188.4	1190.2	1188.2	1190.2	1188.4	1180.5	1169.0	1153.9	1133.2	1090.2
-82.5°	703.2	706.6	703.1	697.4	703.1	706.6	703.2	697.8	690.4	680.5	660.4
-85°	345.0	345.2	344.5	343.0	344.5	345.2	345.0	343.9	341.9	338.9	329.7
-87.5°	128.0	128.5	130.7	132.7	130.7	128.5	128.0	127.4	126.5	125.4	121.4
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	25.6	25.1	24.6	23.7	22.7	21.8	20.8	19.9	19.0	18.0	17.1
87.5°	13.7	11.4	9.1	9.5	9.8	10.1	10.4	9.8	9.3	8.8	8.4
85°	26.6	23.4	20.2	20.6	20.8	21.0	21.0	20.6	20.0	19.2	18.2
82.5°	31.6	32.2	32.5	34.9	36.7	38.1	38.8	38.9	38.4	37.1	35.0
80°	39.8	42.4	45.1	50.2	54.6	58.3	61.1	62.9	64.1	64.5	62.6
77.5°	47.1	51.3	56.1	63.6	70.7	77.2	82.7	86.1	87.9	89.0	86.7
75°	47.8	53.2	60.3	70.9	81.1	90.8	97.7	102.2	106.1	109.3	106.8
72.5°	42.1	47.3	55.9	68.9	82.5	94.3	104.6	113.2	120.3	125.7	121.2
70°	34.3	38.1	46.2	58.4	71.4	84.8	99.3	114.4	129.8	139.8	131.8
67.5°	28.0	30.2	36.3	45.7	57.1	69.9	84.7	101.8	118.3	134.4	131.4
65°	24.0	25.6	29.8	36.3	44.3	54.2	65.6	79.8	97.3	115.5	117.1
62.5°	21.3	22.5	25.4	29.4	34.5	40.9	49.7	61.6	75.3	86.6	92.5
60°	20.8	21.1	23.2	25.7	28.4	32.4	39.8	48.0	57.0	66.7	71.8
57.5°	23.0	23.4	24.8	25.8	26.5	29.5	34.1	39.4	47.6	53.7	57.4
55°	27.8	29.5	30.6	30.7	30.1	31.4	32.5	35.4	41.5	47.2	52.4
52.5°	31.8	35.1	38.0	39.9	40.0	38.7	36.3	37.2	40.6	46.3	51.1
50°	41.4	45.3	46.9	47.2	51.4	51.4	48.4	44.6	50.1	52.8	53.0
47.5°	65.7	70.0	66.0	64.7	72.1	70.2	67.2	66.9	73.5	68.1	65.9
45°	123.0	122.9	112.4	115.7	113.4	110.0	98.0	108.3	110.1	104.1	85.9
42.5°	223.4	213.4	200.4	204.2	199.5	183.5	163.2	168.5	165.1	151.9	141.2
40°	364.5	339.4	327.5	323.7	315.2	292.3	273.2	245.7	236.7	216.8	213.4
37.5°	537.8	499.5	488.4	466.4	448.8	444.1	414.2	364.2	320.2	339.3	315.0
35°	752.2	717.5	711.0	655.1	614.7	699.8	620.8	521.6	498.9	545.6	465.8
32.5°	1097.8	1249.7	1113.3	993.1	1129.8	1149.1	1002.0	765.7	882.2	879.8	735.0
30°	2342.4	2371.5	2190.4	1856.6	2056.6	2009.1	1581.4	1524.7	1491.5	1334.7	1091.3
27.5°	4524.9	4054.7	3787.6	3607.3	3320.1	3164.3	2821.3	2467.0	2268.8	1981.9	1598.8
25°	7190.3	6530.3	5938.3	5563.1	5069.2	4568.7	4163.2	3663.0	3233.8	2774.0	2236.7
22.5°	10066.2	9287.6	8472.3	7714.8	7026.8	6330.0	5613.8	4899.9	4291.7	3693.8	3010.1
20°	13124.7	12160.6	11070.4	10125.4	9180.8	8195.3	7204.0	6342.4	5553.2	4708.0	3842.5
17.5°	16727.1	15303.1	13953.1	12728.8	11464.9	10206.4	9169.9	8086.3	6936.8	5776.0	4707.0
15°	20614.4	18887.2	17216.7	15563.4	13982.5	12609.0	11311.1	9932.5	8449.6	6960.7	5689.5
12.5°	24728.0	22557.6	20478.7	18561.6	16811.1	15137.5	13522.0	11864.9	10066.7	8301.0	6841.6
10°	28732.9	26191.3	23865.6	21658.0	19606.8	17664.8	15645.8	13640.7	11606.6	9622.5	7953.8
7.5°	32434.5	29680.8	27074.6	24454.3	21939.1	19698.6	17506.7	15304.6	13079.8	10874.1	9018.7
5°	35518.1	32400.4	29409.7	26518.5	23812.6	21542.8	19255.9	16879.6	14467.1	12046.0	10026.2
2.5°	37601.7	34422.7	31376.9	28326.1	25359.1	23025.2	20619.8	18076.0	15435.8	12819.4	10680.3
0°	39107.4	35601.5	32404.4	29266.1	26082.3	23827.2	21452.6	18907.5	16129.2	13430.6	11262.6
-2.5°	39117.3	35570.6	32373.1	29055.3	25927.9	23481.4	21164.6	18700.1	16131.8	13539.8	11395.4
-5°	38574.4	35077.7	31883.8	28645.8	25516.5	23040.4	20769.2	18413.8	16015.7	13552.0	11449.0
-7.5°	37746.0	34342.2	31144.5	27924.5	24889.7	22475.2	20282.9	18075.7	15804.9	13480.5	11430.0
-10°	36606.1	33371.8	30289.4	27094.0	24175.1	21786.4	19708.1	17656.6	15505.6	13312.7	11338.4
-12.5°	35129.2	32041.2	29175.5	26116.5	23354.8	21136.5	19111.8	17161.5	15135.0	13052.1	11177.9
-15°	33133.4	30451.0	27768.7	24996.2	22450.6	20370.7	18428.9	16527.6	14528.1	12604.9	10952.1
-17.5°	30991.5	28643.0	26247.2	23592.7	21303.8	19478.3	17638.6	15734.5	13759.3	11873.0	10356.5
-20°	28467.7	26324.9	24304.1	22004.6	19814.9	18060.8	16546.9	14813.2	12835.9	11079.9	9642.1



REPORT NUMBER: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25486.5	23652.3	21796.1	19872.2	18081.3	16456.4	14983.2	13487.1	11754.4	10165.4	8859.5
-25°	22427.6	20818.8	19156.0	17619.8	16131.1	14664.3	13318.8	11944.2	10573.4	9214.2	8026.3
-27.5°	19447.0	18039.0	16650.0	15421.3	14219.9	12937.5	11665.1	10490.5	9432.5	8343.9	7225.3
-30°	16817.0	15904.1	14685.6	13494.8	12677.4	11548.2	10187.9	9348.7	8506.5	7567.1	6571.9
-32.5°	15144.0	14279.5	13210.3	12264.2	11423.7	10399.9	9373.9	8387.4	7711.7	6904.0	6072.2
-35°	13763.0	12966.3	12107.5	11262.7	10398.0	9532.9	8631.4	7805.3	7035.4	6305.1	5601.3
-37.5°	12434.4	11750.5	11032.6	10273.7	9527.8	8744.7	7964.4	7204.4	6450.7	5797.6	5173.6
-40°	11188.9	10600.7	10014.8	9351.2	8676.7	7988.0	7290.9	6586.8	5934.5	5316.0	4756.8
-42.5°	10034.8	9549.3	9040.7	8451.8	7839.9	7236.7	6614.7	5997.8	5415.1	4871.9	4357.9
-45°	8957.3	8534.0	8070.5	7573.9	7030.7	6499.1	5949.8	5426.6	4919.4	4435.8	3953.4
-47.5°	7954.7	7584.5	7167.1	6736.0	6272.3	5798.0	5350.7	4882.1	4442.6	3999.2	3582.6
-50°	7059.8	6746.5	6380.5	5977.7	5602.0	5202.2	4793.7	4371.1	3985.9	3613.1	3230.8
-52.5°	6332.7	6032.2	5706.5	5357.1	5006.6	4647.0	4270.1	3932.1	3589.1	3257.1	2920.4
-55°	5671.4	5402.3	5112.9	4792.1	4454.9	4163.6	3855.6	3541.7	3234.7	2925.8	2648.8
-57.5°	5119.5	4864.0	4592.0	4309.9	4018.3	3741.1	3463.1	3177.5	2911.2	2654.7	2397.5
-60°	4608.3	4368.4	4125.7	3869.9	3600.9	3337.2	3112.9	2876.3	2627.2	2409.1	2190.1
-62.5°	4145.3	3927.7	3701.8	3480.4	3255.8	3032.7	2819.6	2611.0	2399.7	2192.0	2005.4
-65°	3733.7	3548.4	3349.5	3147.8	2948.9	2753.8	2560.9	2372.6	2193.1	2018.8	1837.3
-67.5°	3325.4	3161.9	2990.3	2816.6	2647.3	2483.4	2317.4	2153.8	1989.3	1828.9	1659.6
-70°	2897.2	2762.1	2622.7	2480.8	2338.2	2197.1	2050.5	1902.8	1759.6	1617.9	1468.0
-72.5°	2447.3	2336.2	2221.6	2105.6	1991.7	1877.2	1754.7	1626.8	1503.0	1384.3	1261.6
-75°	1982.2	1890.5	1797.4	1707.4	1617.6	1528.7	1435.3	1333.5	1234.1	1137.6	1039.1
-77.5°	1510.5	1437.4	1365.3	1302.1	1238.9	1176.2	1110.1	1032.8	956.6	881.5	804.9
-80°	1045.3	999.0	953.0	914.1	873.1	830.3	784.0	728.0	672.6	621.1	572.2
-82.5°	638.6	615.2	590.6	567.9	543.7	518.3	491.1	458.9	426.7	394.8	362.4
-85°	319.7	308.9	297.5	288.3	278.2	267.3	255.5	241.1	225.9	209.9	193.1
-87.5°	117.3	113.1	108.8	105.6	102.3	98.9	95.3	90.1	84.9	79.8	74.6
-90°	4.8	5.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7



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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°	16.6	16.2	15.7	15.2	14.7	14.3	13.8	13.3	12.8	12.4	11.9
87.5°	10.0	11.6	12.9	14.1	13.5	12.8	12.2	11.6	11.6	11.5	11.3
85°	18.6	19.2	20.0	20.9	19.7	18.0	16.8	15.6	15.6	15.4	15.0
82.5°	31.7	30.0	29.1	28.6	28.1	27.0	25.4	23.1	20.6	19.3	18.7
80°	55.8	49.7	44.3	39.8	37.2	36.1	34.9	32.3	27.0	23.3	21.3
77.5°	77.6	69.1	61.5	54.0	47.6	43.1	40.7	39.3	33.1	27.1	23.1
75°	96.9	86.0	75.8	66.1	56.9	49.5	44.2	40.5	35.4	30.3	24.7
72.5°	109.6	98.6	88.1	76.9	64.9	55.0	47.3	41.5	36.4	31.2	26.0
70°	119.4	108.6	97.4	84.6	71.8	59.8	50.0	43.2	37.3	31.9	26.6
67.5°	126.0	113.0	101.8	90.9	77.7	64.6	52.3	44.8	38.8	32.7	27.3
65°	113.1	108.7	103.3	91.8	80.7	69.0	55.9	47.0	40.2	33.9	27.8
62.5°	96.3	96.9	93.5	89.9	81.0	70.1	59.3	50.4	41.8	35.1	28.7
60°	75.3	79.8	82.8	81.5	77.7	69.8	60.6	53.6	44.6	36.1	29.6
57.5°	62.4	64.1	68.8	72.2	71.1	66.7	61.4	55.2	47.1	38.1	30.5
55°	54.0	56.8	58.5	61.3	63.8	61.6	60.9	56.1	49.2	40.1	31.8
52.5°	53.8	54.7	55.1	54.3	55.5	57.4	58.3	57.1	50.2	41.9	34.0
50°	56.0	60.9	57.7	53.9	49.6	52.6	56.0	55.5	51.2	43.4	36.3
47.5°	66.0	72.9	68.9	57.9	51.4	48.7	53.1	53.9	52.2	44.4	38.5
45°	93.2	92.2	86.1	72.7	56.5	52.2	50.5	52.4	51.1	46.7	40.8
42.5°	130.4	125.1	111.7	90.2	78.9	59.4	48.7	50.9	50.1	49.4	43.1
40°	195.5	168.0	145.3	132.0	112.7	69.0	55.7	49.8	49.6	52.0	45.7
37.5°	271.9	230.7	191.3	192.1	158.8	107.3	65.0	49.3	52.5	54.3	48.5
35°	383.3	310.7	286.3	273.9	225.3	152.5	75.5	52.9	56.7	57.3	51.5
32.5°	511.3	466.4	449.9	377.6	303.1	204.2	106.7	68.0	62.1	60.8	54.6
30°	813.4	741.7	664.9	497.6	396.0	277.0	157.8	83.4	68.6	65.0	57.8
27.5°	1300.4	1068.0	929.5	692.3	509.5	360.1	221.9	99.2	76.2	70.0	61.0
25°	1826.0	1499.7	1245.3	938.7	633.5	488.7	293.8	116.8	87.8	76.0	64.6
22.5°	2419.6	1966.5	1595.3	1214.6	830.3	638.0	386.3	173.2	101.2	82.6	68.4
20°	3021.5	2440.0	1993.2	1555.1	1086.9	807.6	502.7	232.9	114.5	89.7	72.4
17.5°	3650.9	3042.1	2536.9	1944.0	1374.3	986.3	628.7	294.7	127.6	97.1	76.5
15°	4613.6	3808.4	3120.5	2368.4	1659.3	1171.5	761.4	357.6	140.4	104.8	84.9
12.5°	5614.0	4588.7	3729.3	2817.5	1938.9	1360.0	897.7	420.1	152.9	120.8	98.8
10°	6589.1	5372.8	4351.3	3279.6	2210.0	1548.7	1034.1	502.5	190.5	143.5	113.0
7.5°	7530.4	6149.1	4973.8	3741.9	2491.3	1796.6	1281.4	630.6	232.9	166.7	127.2
5°	8376.9	6830.4	5561.6	4226.9	2874.8	2102.0	1545.5	758.1	276.0	189.9	141.4
2.5°	8946.1	7349.9	6102.0	4679.7	3240.9	2395.8	1802.0	880.9	318.7	212.8	155.3
0°	9450.9	7819.2	6598.8	5090.3	3585.5	2675.9	2042.9	994.9	360.1	235.0	168.7
-2.5°	9578.6	7935.4	6752.2	5341.4	3875.6	2931.9	2260.5	1171.0	494.3	318.1	221.4
-5°	9639.2	8012.4	6866.7	5551.0	4138.4	3170.4	2451.8	1331.9	623.8	398.8	272.8
-7.5°	9652.1	8074.1	6927.7	5701.9	4372.3	3390.1	2614.8	1475.3	746.0	476.0	322.1
-10°	9608.0	8099.0	6911.0	5662.7	4386.9	3480.7	2723.6	1599.1	858.5	548.4	368.5
-12.5°	9505.1	8066.9	6853.3	5575.5	4334.8	3447.1	2653.3	1646.0	955.1	614.8	411.4
-15°	9346.7	7974.0	6754.9	5438.7	4249.8	3391.6	2573.6	1653.3	1014.2	673.1	450.1
-17.5°	9053.2	7817.2	6616.1	5251.0	4130.8	3313.0	2488.7	1650.7	1064.8	723.3	486.9
-20°	8430.4	7418.7	6425.6	5011.7	3977.2	3210.6	2402.4	1639.2	1106.4	766.7	521.3



REPORT NUMBER: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	7769.2	6855.0	5917.9	4801.3	3815.1	3083.9	2318.2	1620.1	1138.7	802.9	550.7
-25°	7059.7	6282.4	5384.4	4457.4	3658.1	2952.6	2254.7	1594.4	1161.4	831.3	574.7
-27.5°	6395.4	5705.1	4882.8	4118.1	3436.0	2836.1	2205.5	1610.6	1180.1	851.6	593.0
-30°	5762.0	5163.1	4481.2	3805.2	3211.0	2681.9	2153.0	1617.1	1199.8	868.6	605.4
-32.5°	5304.9	4678.1	4116.3	3549.5	3013.9	2519.0	2051.8	1611.4	1208.6	880.5	614.9
-35°	4943.1	4318.8	3775.7	3296.8	2824.1	2366.2	1931.9	1593.6	1206.0	884.1	619.5
-37.5°	4569.3	4010.8	3504.9	3062.7	2628.8	2207.0	1831.3	1515.7	1192.1	879.2	618.1
-40°	4220.6	3707.3	3252.2	2845.2	2443.2	2042.0	1723.2	1437.8	1175.3	865.8	610.6
-42.5°	3859.5	3412.9	3005.1	2623.3	2257.7	1914.2	1610.6	1354.9	1118.7	848.6	597.0
-45°	3519.1	3115.6	2754.9	2415.4	2074.8	1779.8	1513.6	1269.4	1053.6	825.5	580.0
-47.5°	3173.5	2835.7	2516.1	2204.1	1920.1	1646.2	1411.6	1193.1	985.4	793.9	561.2
-50°	2865.1	2568.8	2288.6	2021.1	1759.3	1529.5	1309.8	1113.5	922.9	738.3	536.8
-52.5°	2602.2	2327.5	2084.4	1846.0	1623.8	1407.9	1218.7	1031.7	857.8	686.2	506.8
-55°	2365.4	2112.5	1896.3	1691.7	1491.5	1301.6	1124.2	956.7	790.0	634.0	472.5
-57.5°	2161.9	1918.4	1731.6	1547.8	1371.2	1198.5	1034.8	879.1	726.4	579.4	441.3
-60°	1970.8	1764.2	1576.9	1417.6	1257.4	1098.9	947.4	801.7	662.1	524.2	402.1
-62.5°	1812.1	1615.2	1441.5	1293.5	1148.2	1003.9	859.0	727.3	595.4	472.8	359.0
-65°	1654.5	1477.0	1308.7	1177.2	1043.0	906.7	774.6	650.3	530.8	418.8	316.6
-67.5°	1493.1	1334.6	1188.6	1062.2	933.0	807.3	686.9	572.6	464.4	362.3	279.3
-70°	1322.2	1186.7	1056.5	934.0	816.8	703.5	594.9	492.7	395.4	313.8	240.1
-72.5°	1136.4	1017.6	906.0	799.5	693.4	593.1	499.0	412.0	334.4	263.4	199.3
-75°	937.0	837.8	743.5	652.7	563.4	479.5	405.8	337.2	271.3	211.2	162.3
-77.5°	723.4	645.8	572.6	504.6	436.2	372.6	314.2	260.0	209.3	165.6	126.1
-80°	517.5	463.9	411.6	360.4	309.7	263.3	226.6	191.1	153.8	119.8	89.0
-82.5°	323.8	291.2	261.2	232.1	203.3	175.6	149.2	124.0	97.3	73.0	58.8
-85°	174.3	156.0	138.3	121.3	103.7	87.0	78.8	70.7	60.8	51.7	43.3
-87.5°	71.0	67.3	63.5	59.7	55.2	50.7	46.3	42.1	36.9	32.1	27.7
-90°	6.2	6.7	7.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6



REPORT NUMBER: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.4	10.9	10.5	10.0	9.5	8.6	7.6
87.5°	11.0	10.2	9.4	8.8	8.3	7.9	7.6
85°	14.4	12.7	11.2	9.9	8.9	8.2	7.6
82.5°	17.8	15.2	13.0	11.1	9.6	8.5	7.6
80°	20.7	17.7	14.7	12.2	10.2	8.8	7.6
77.5°	21.1	19.3	16.4	13.4	10.9	9.0	7.6
75°	21.4	19.4	17.8	14.5	11.5	9.3	7.6
72.5°	21.7	19.4	17.7	15.5	12.1	9.6	7.6
70°	22.0	19.5	17.6	16.3	12.7	9.9	7.6
67.5°	22.8	19.4	17.4	16.1	13.3	10.1	7.6
65°	23.5	19.7	17.2	15.9	13.9	10.4	7.6
62.5°	24.2	20.4	17.0	15.6	14.4	10.6	7.6
60°	24.9	21.0	16.8	15.4	14.9	10.9	7.6
57.5°	26.1	21.7	17.3	15.1	14.8	11.1	7.6
55°	27.3	22.3	17.8	14.8	14.7	11.3	7.6
52.5°	28.5	22.9	18.3	14.5	14.7	11.5	7.6
50°	29.7	24.0	18.8	14.1	14.6	11.7	7.6
47.5°	31.1	25.1	19.2	13.9	14.6	11.9	7.6
45°	33.0	26.1	19.6	14.3	14.5	12.1	7.6
42.5°	34.9	27.1	20.0	14.6	14.6	12.3	7.6
40°	36.8	28.1	20.6	15.2	14.6	12.4	7.6
37.5°	38.7	29.0	21.3	15.9	14.6	12.6	7.6
35°	40.5	30.3	22.1	16.8	14.7	12.7	7.6
32.5°	42.4	31.7	22.7	17.6	14.8	12.8	7.6
30°	44.8	33.0	23.3	18.5	14.9	12.9	7.6
27.5°	47.3	34.3	25.2	19.3	15.1	13.0	7.6
25°	49.7	35.4	27.3	20.2	15.2	13.1	7.6
22.5°	52.2	37.6	29.5	21.1	15.4	13.2	7.6
20°	54.6	42.3	31.7	22.0	15.6	13.3	7.6
17.5°	60.9	47.3	34.0	22.9	15.8	13.3	7.6
15°	69.9	52.5	36.3	23.8	16.0	13.3	7.6
12.5°	79.0	57.8	38.6	24.7	16.2	13.4	7.6
10°	88.1	63.1	40.9	25.5	16.4	13.4	7.6
7.5°	97.2	68.4	43.2	26.3	16.6	13.4	7.6
5°	106.1	73.6	45.3	27.0	16.7	13.4	7.6
2.5°	114.9	78.6	47.4	27.8	16.9	13.3	7.6
0°	123.2	83.4	49.3	28.4	17.1	13.3	7.6
-2.5°	155.1	101.3	58.9	32.6	18.3	13.5	7.6
-5°	186.2	118.6	68.2	36.7	19.5	13.8	7.6
-7.5°	215.9	135.2	77.1	40.6	20.7	14.0	7.6
-10°	243.9	150.8	85.6	44.3	21.8	14.2	7.6
-12.5°	269.7	165.3	93.4	47.8	22.9	14.4	7.6
-15°	293.0	178.5	100.6	51.0	23.9	14.5	7.6
-17.5°	313.4	190.2	107.0	53.8	24.8	14.7	7.6
-20°	333.3	200.2	112.4	56.2	25.7	14.8	7.6



REPORT NUMBER: P701600 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	354.5	208.4	117.0	58.2	26.4	14.9	7.6
-25°	372.1	219.2	120.4	59.8	27.1	15.0	7.6
-27.5°	385.8	229.4	122.8	60.9	27.6	15.0	7.6
-30°	395.4	237.1	124.4	61.4	28.0	15.0	7.6
-32.5°	400.9	242.1	128.2	61.5	28.3	15.0	7.6
-35°	405.2	244.4	130.6	61.0	28.5	15.0	7.6
-37.5°	406.8	245.0	131.3	59.9	28.5	15.0	7.6
-40°	404.1	245.1	130.5	58.2	28.4	14.9	7.6
-42.5°	397.3	242.6	129.3	56.6	28.2	14.8	7.6
-45°	386.2	237.7	128.0	55.6	27.9	14.7	7.6
-47.5°	371.0	230.1	125.4	53.8	27.4	14.5	7.6
-50°	356.8	220.1	121.5	53.3	26.8	14.3	7.6
-52.5°	340.0	207.6	116.2	52.7	26.0	14.1	7.6
-55°	319.6	197.0	109.7	51.5	25.2	13.9	7.6
-57.5°	296.0	185.3	102.0	49.7	24.2	13.6	7.6
-60°	270.1	171.6	93.2	47.3	23.1	13.3	7.6
-62.5°	248.2	156.3	87.0	44.4	22.2	13.0	7.6
-65°	223.9	139.2	79.7	40.9	21.3	12.7	7.6
-67.5°	197.5	123.0	71.6	36.9	20.4	12.3	7.6
-70°	169.0	107.9	62.6	32.6	19.3	12.0	7.6
-72.5°	143.7	91.6	52.9	29.7	18.2	11.6	7.6
-75°	117.5	74.2	42.5	27.2	17.1	11.2	7.6
-77.5°	90.0	55.9	36.6	24.6	15.9	10.8	7.6
-80°	61.5	44.2	31.7	21.8	14.7	10.3	7.6
-82.5°	47.7	36.1	26.5	18.9	13.4	9.9	7.6
-85°	35.8	27.8	21.2	16.0	12.1	9.5	7.6
-87.5°	23.6	19.4	15.9	13.0	10.8	9.0	7.6
-90°	7.6	7.6	7.6	7.6	7.6	7.6	7.6

(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

