

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: P701721 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-7F-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701721 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-7F-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

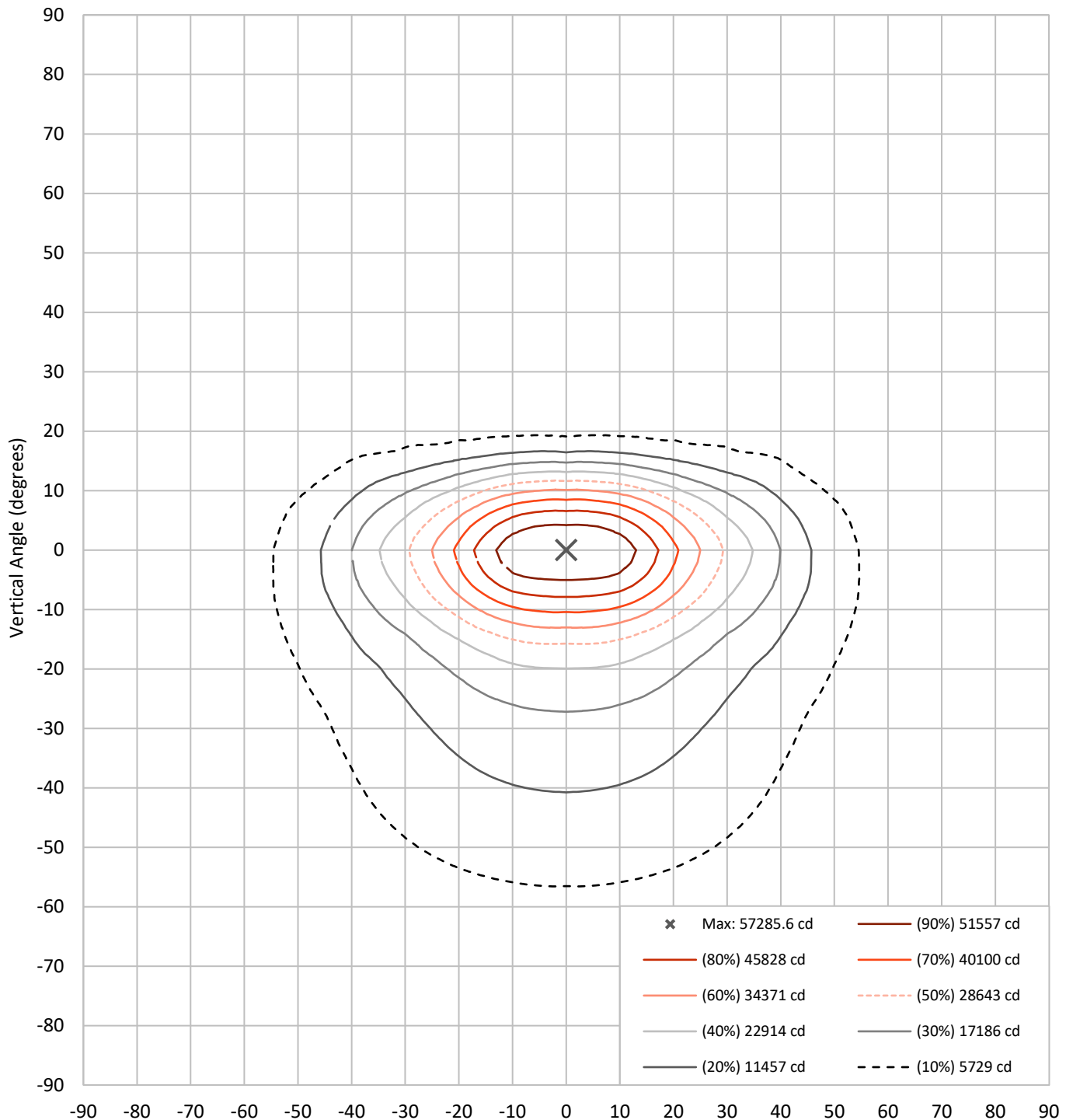
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	38545.5 lumens	Max Intensity:	57285.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	55.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	15216.2 lumens	Field Lumens:	33920.8 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%

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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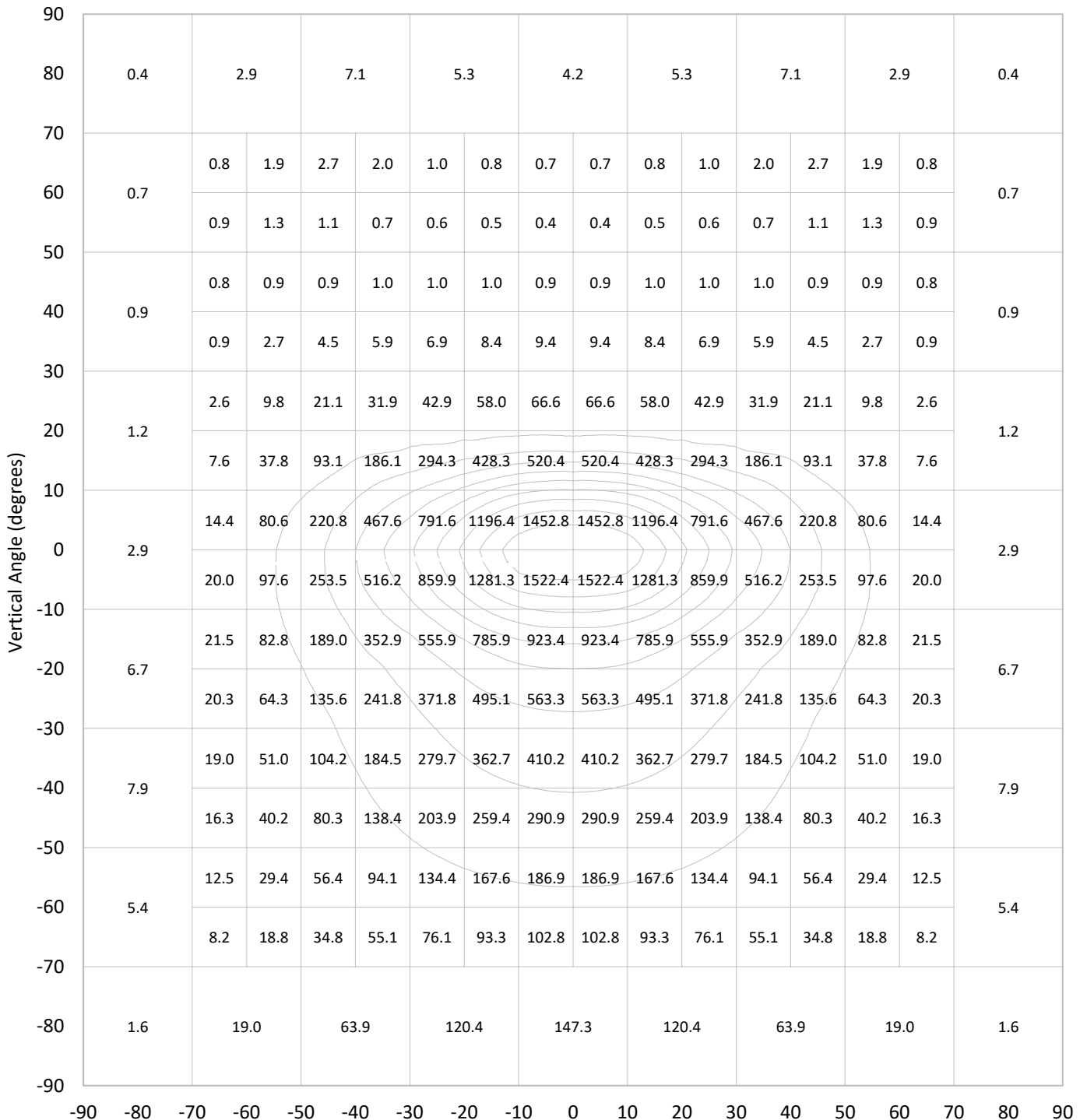
Iso-Candela Plot





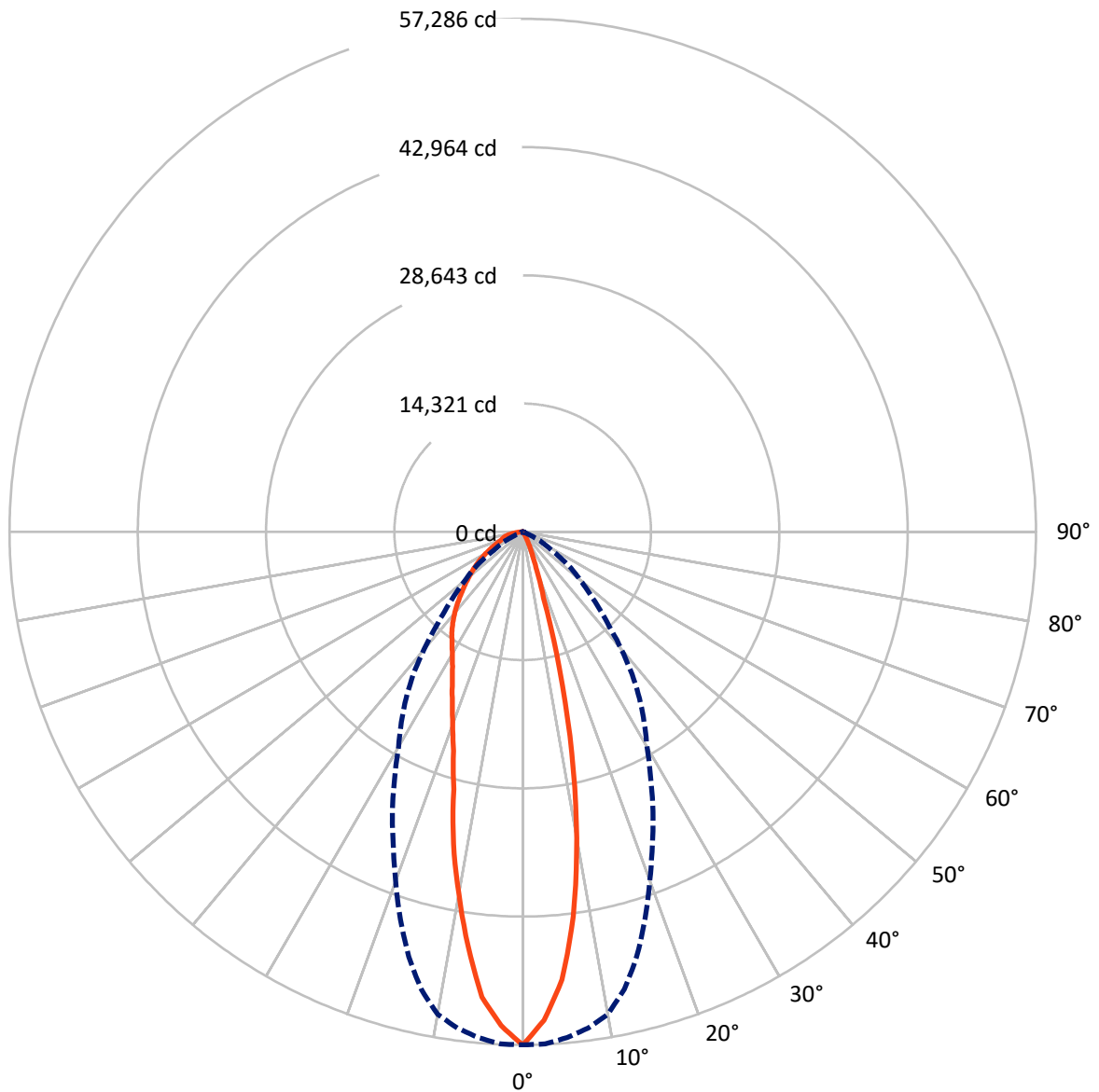
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Lumen Table



REPORT NUMBER: P701721 (CONVERTED FROM TYPE C PHOTOMETRY)
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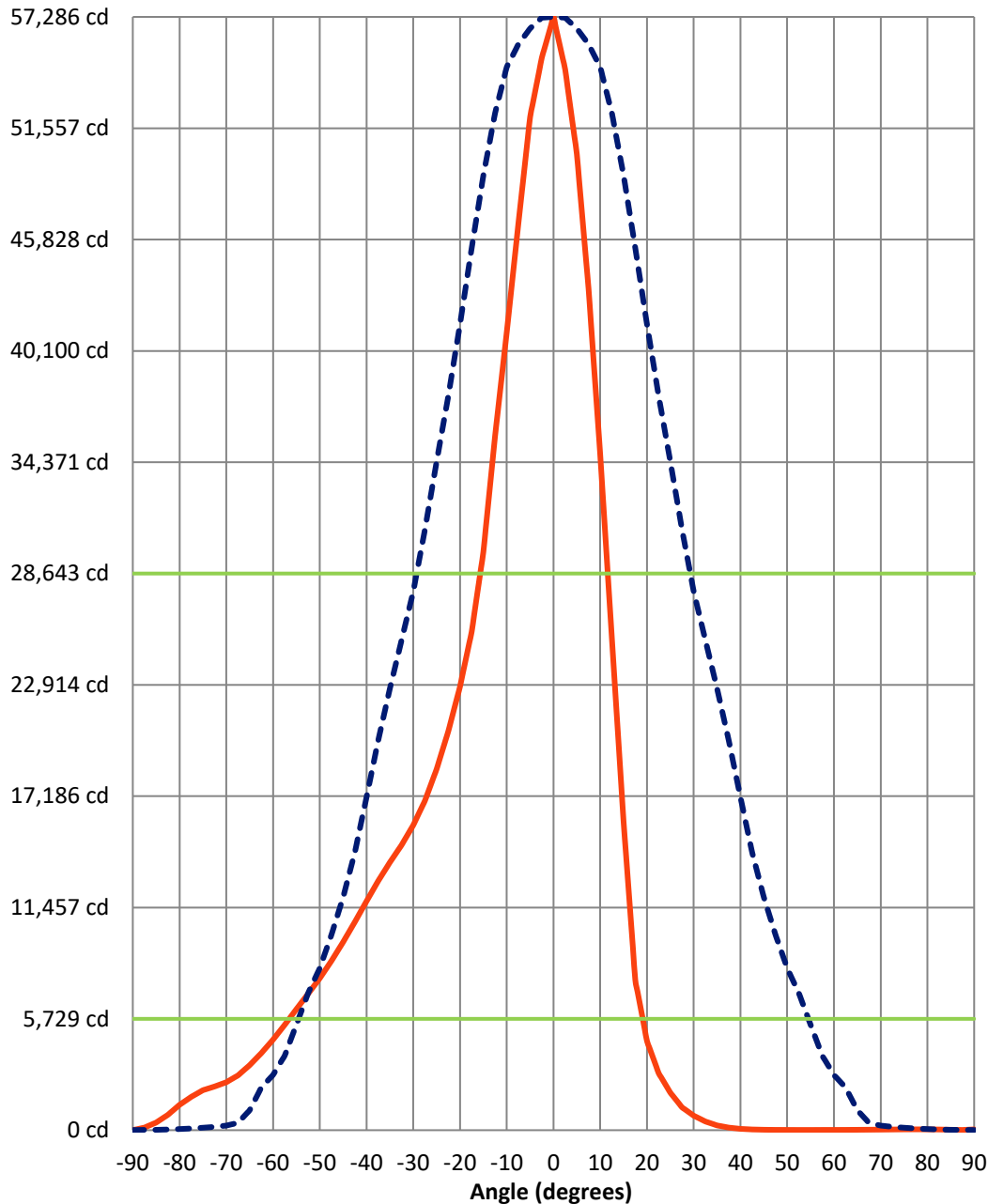
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 15216.2
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 33920.8
 Efficiency: 88.0%

Spill:
 Lumens: 4624.7
 Efficiency: 12.0%

— 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°	8.3	9.4	10.4	10.9	11.5	12.0	12.5	13.0	13.6	14.1	14.6
87.5°	8.3	8.7	9.2	9.9	10.7	11.6	12.6	12.8	12.9	12.9	12.7
85°	8.3	9.0	10.1	11.4	13.0	14.8	16.9	17.4	17.6	17.5	17.1
82.5°	8.3	9.4	11.0	13.0	15.3	18.1	21.2	22.0	22.4	24.0	27.0
80°	8.3	9.7	11.9	14.5	17.6	21.2	25.1	26.2	29.0	33.5	39.8
77.5°	8.3	10.1	12.8	16.0	19.8	23.6	27.0	30.2	35.2	42.6	49.9
75°	8.3	10.4	13.6	17.4	21.7	24.7	28.9	33.8	40.8	46.8	52.9
72.5°	8.3	10.8	14.4	18.9	22.1	25.6	30.6	36.7	42.8	49.1	55.7
70°	8.3	11.1	15.2	20.0	22.4	26.4	32.1	38.2	44.6	51.4	57.8
67.5°	8.3	11.4	16.0	19.9	22.6	27.1	33.3	39.6	46.4	53.0	59.6
65°	8.3	11.7	16.8	19.8	22.8	28.0	34.6	40.9	47.7	54.5	61.9
62.5°	8.3	12.0	17.5	19.6	22.8	29.2	35.8	42.0	48.9	56.2	65.5
60°	8.3	12.3	18.1	19.4	22.8	30.3	37.0	43.0	50.1	58.9	68.8
57.5°	8.3	12.6	18.0	19.2	23.7	31.4	38.4	44.0	51.8	61.3	70.0
55°	8.3	12.9	17.8	18.8	24.6	32.5	39.8	45.4	53.5	63.0	70.2
52.5°	8.3	13.1	17.7	18.5	25.5	33.6	41.3	47.3	54.9	63.0	70.3
50°	8.3	13.4	17.6	18.1	26.4	35.0	42.8	49.3	55.8	63.0	66.8
47.5°	8.3	13.6	17.5	17.8	27.2	36.4	44.5	51.3	55.6	62.8	63.4
45°	8.3	13.8	17.4	18.4	28.0	37.9	46.2	53.3	56.9	60.4	60.5
42.5°	8.3	14.0	17.4	19.0	28.8	39.3	47.9	54.9	58.5	58.2	57.7
40°	8.3	14.1	17.3	19.9	29.7	40.7	49.6	56.4	59.9	56.8	55.2
37.5°	8.3	14.3	17.3	21.0	30.8	42.2	51.3	58.1	61.0	58.2	53.2
35°	8.3	14.4	17.3	22.1	31.8	43.5	53.0	59.8	62.6	60.8	53.4
32.5°	8.3	14.5	17.4	23.2	32.8	44.8	54.5	61.7	64.7	64.7	64.0
30°	8.3	14.6	17.4	24.3	33.8	46.0	56.0	63.6	67.3	70.0	77.1
27.5°	8.3	14.7	17.5	25.4	35.9	47.1	57.4	65.6	70.8	76.5	92.7
25°	8.3	14.8	17.6	26.5	38.1	48.2	58.9	67.8	75.8	87.6	112.2
22.5°	8.3	14.8	17.7	27.6	40.4	50.1	60.4	70.2	81.5	101.6	176.0
20°	8.3	14.9	17.8	28.7	42.6	54.0	61.9	72.8	87.8	116.7	248.9
17.5°	8.3	14.9	17.9	29.7	44.8	58.1	67.2	75.5	94.6	132.6	328.8
15°	8.3	14.9	18.0	30.7	47.0	62.4	75.3	83.1	101.6	149.2	413.8
12.5°	8.3	14.9	18.1	31.6	49.2	66.7	83.8	97.2	117.9	166.0	501.6
10°	8.3	14.9	18.3	32.5	51.2	71.0	92.5	111.8	141.8	205.6	599.8
7.5°	8.3	14.8	18.4	33.4	53.2	75.3	101.3	126.7	166.0	249.1	716.7
5°	8.3	14.8	18.5	34.1	55.0	79.5	110.1	141.6	190.2	292.7	829.0
2.5°	8.3	14.7	18.6	34.8	56.7	83.6	118.7	156.3	214.1	335.6	933.8
0°	8.3	14.6	18.7	35.4	58.3	87.4	127.0	170.7	237.3	376.8	1028.3
-2.5°	8.3	14.9	20.1	39.7	68.1	106.4	160.2	225.4	320.3	491.3	1144.0
-5°	8.3	15.2	21.6	43.9	77.6	124.8	192.4	278.7	401.1	601.8	1246.7
-7.5°	8.3	15.5	22.9	47.9	86.7	142.5	223.4	329.9	478.5	707.0	1336.5
-10°	8.3	15.7	24.3	51.7	95.3	159.3	252.6	378.2	551.5	805.6	1413.7
-12.5°	8.3	16.0	25.5	55.2	103.3	174.8	279.6	422.9	618.9	892.4	1445.1
-15°	8.3	16.2	26.7	58.3	110.6	189.0	304.2	463.3	674.0	945.2	1451.9
-17.5°	8.3	16.4	27.8	61.2	117.1	201.6	325.8	498.4	716.0	991.2	1452.1
-20°	8.3	16.6	28.8	63.6	122.6	212.3	346.1	528.8	753.1	1030.1	1446.9



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	16.7	29.7	65.6	127.2	221.1	366.6	554.9	784.8	1061.6	1437.3
-25°	8.3	16.8	30.5	67.1	130.7	232.4	384.1	576.3	811.0	1085.2	1424.6
-27.5°	8.3	16.9	31.2	68.2	133.1	243.4	398.3	593.0	831.4	1104.7	1444.2
-30°	8.3	17.0	31.8	68.7	134.7	251.9	409.2	604.6	847.7	1124.2	1455.7
-32.5°	8.3	17.0	32.2	68.7	139.1	257.9	416.6	614.9	858.5	1136.1	1457.2
-35°	8.3	17.0	32.4	68.2	141.8	261.3	422.4	621.6	862.4	1140.4	1448.7
-37.5°	8.3	16.9	32.6	67.0	142.9	262.9	425.2	623.5	859.4	1137.1	1401.4
-40°	8.3	16.9	32.5	65.4	142.4	263.4	424.2	620.5	849.3	1126.5	1351.8
-42.5°	8.3	16.7	32.4	63.8	141.3	261.3	419.2	612.7	837.9	1080.8	1295.3
-45°	8.3	16.6	32.1	62.7	140.0	256.4	410.3	600.8	823.0	1026.2	1232.3
-47.5°	8.3	16.4	31.6	60.8	137.2	248.8	397.5	584.9	801.0	967.0	1165.5
-50°	8.3	16.2	31.0	60.2	133.0	238.6	383.5	563.9	753.6	912.3	1093.1
-52.5°	8.3	16.0	30.2	59.6	127.3	225.8	366.1	537.9	703.4	852.6	1016.5
-55°	8.3	15.7	29.3	58.3	120.1	214.3	345.0	507.2	650.4	788.2	942.3
-57.5°	8.3	15.4	28.3	56.5	111.7	201.4	320.5	474.7	594.4	722.6	862.7
-60°	8.3	15.0	27.1	54.1	102.2	186.5	293.3	431.3	536.9	654.5	780.4
-62.5°	8.3	14.7	26.1	51.1	95.9	169.6	269.2	383.8	482.4	583.1	698.7
-65°	8.3	14.3	25.0	47.5	88.7	150.9	242.5	337.6	426.4	517.7	613.5
-67.5°	8.3	13.9	23.8	43.5	80.6	133.9	213.4	297.3	369.0	453.0	536.7
-70°	8.3	13.4	22.5	39.1	71.6	119.0	182.0	256.3	322.7	386.8	463.1
-72.5°	8.3	13.0	21.2	35.8	61.9	102.8	156.6	214.6	276.0	335.1	391.9
-75°	8.3	12.5	19.8	32.6	51.6	85.5	130.8	177.3	228.6	283.1	335.5
-77.5°	8.3	12.0	18.3	29.3	44.6	67.4	103.7	140.7	182.3	229.2	278.5
-80°	8.3	11.5	16.8	25.8	38.3	54.3	75.4	103.1	134.8	170.9	211.1
-82.5°	8.3	11.0	15.2	22.2	31.8	44.0	58.9	71.3	86.4	111.3	139.3
-85°	8.3	10.4	13.6	18.5	25.1	33.5	43.6	52.0	61.1	70.8	81.2
-87.5°	8.3	9.9	12.0	14.7	18.3	22.8	28.1	32.6	37.4	42.5	48.0
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



REPORT NUMBER: P701721 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	15.1	15.7	16.2	16.7	18.3	19.8	21.4	22.9	25.5	28.1	30.7
87.5°	13.6	14.5	15.6	16.7	15.9	15.0	14.0	12.8	13.7	14.7	15.7
85°	18.8	20.7	23.4	25.6	25.5	25.6	26.0	26.7	28.4	29.9	31.1
82.5°	30.5	33.3	35.2	36.4	38.3	40.8	44.1	49.0	51.8	53.5	54.6
80°	43.6	45.9	47.7	51.2	57.4	64.5	72.4	80.8	83.6	83.9	83.0
77.5°	52.2	55.7	61.3	69.2	78.4	87.5	97.3	107.7	110.7	110.0	108.5
75°	57.9	64.7	73.2	83.8	95.1	106.8	119.0	130.2	133.4	130.1	125.6
72.5°	62.4	71.2	82.6	96.6	109.3	121.1	133.8	147.2	151.8	144.6	135.5
70°	65.4	76.7	90.5	105.1	119.6	132.4	144.3	157.2	164.5	152.2	134.2
67.5°	68.0	82.0	96.9	112.1	125.2	137.4	150.9	155.0	156.8	138.1	118.8
65°	71.8	86.8	100.4	113.8	127.9	132.0	134.8	137.7	134.7	113.4	92.4
62.5°	75.6	88.0	101.1	111.4	114.7	116.8	114.4	108.8	101.4	86.6	69.5
60°	76.7	87.7	96.1	99.2	100.2	95.9	89.3	82.6	74.8	62.6	50.9
57.5°	77.2	82.7	85.9	86.6	82.6	75.6	69.2	60.6	54.0	46.4	36.8
55°	75.3	74.2	75.7	73.1	67.3	60.0	52.4	46.6	38.9	34.3	28.7
52.5°	70.1	67.1	65.7	61.6	55.1	48.4	42.2	36.5	32.1	27.1	23.5
50°	65.5	61.5	57.2	52.1	47.1	42.7	35.6	31.7	27.9	24.0	20.9
47.5°	61.2	56.5	50.0	45.8	45.3	42.5	35.7	29.5	26.1	26.0	23.1
45°	57.4	53.5	46.0	46.8	48.2	48.0	43.2	28.9	32.1	32.8	31.1
42.5°	54.1	52.5	54.6	49.8	57.6	61.9	58.1	48.4	43.0	47.8	49.7
40°	54.5	53.8	72.0	71.5	72.6	83.9	89.3	82.4	63.4	75.2	80.6
37.5°	56.7	75.6	98.2	105.6	99.0	118.3	129.9	137.9	123.0	113.4	130.1
35°	60.2	102.9	136.5	152.3	153.2	164.3	194.5	206.9	197.0	181.9	195.3
32.5°	78.7	135.5	181.9	208.7	233.4	244.9	271.7	284.5	295.3	295.4	289.6
30°	117.8	178.5	234.5	271.1	330.5	384.4	372.7	375.4	415.3	455.8	475.5
27.5°	184.5	231.8	293.3	359.3	450.0	554.9	573.6	520.4	574.6	649.5	716.0
25°	268.5	393.0	355.8	464.5	615.3	760.8	838.2	875.1	801.1	910.1	1067.3
22.5°	384.6	597.4	599.2	579.1	801.2	1004.7	1195.3	1377.9	1472.4	1354.0	1517.5
20°	541.0	815.9	903.9	1001.7	1079.3	1281.9	1610.9	2009.5	2374.4	2581.0	2486.3
17.5°	720.7	1054.5	1256.6	1518.1	1776.5	1887.1	2096.7	2749.3	3457.9	4061.1	4385.3
15°	918.5	1309.4	1638.0	2087.8	2552.5	2902.8	3265.9	3826.6	4761.9	5793.8	6619.9
12.5°	1128.9	1576.3	2040.9	2698.4	3388.8	3964.8	4612.2	5464.9	6543.9	7831.1	9176.6
10°	1345.6	1850.5	2457.6	3336.2	4267.6	5058.5	5984.9	7103.4	8481.2	10084.9	11776.1
7.5°	1575.3	2118.9	2868.3	3986.5	5169.5	6167.6	7365.5	8726.6	10398.4	12304.8	14343.6
5°	1797.7	2372.1	3210.7	4509.5	5901.5	7103.7	8623.3	10312.4	12272.7	14465.4	16868.1
2.5°	2005.2	2614.6	3535.0	4988.0	6495.4	7743.6	9370.7	11186.8	13398.1	15983.4	18762.3
0°	2191.9	2843.5	3836.4	5428.8	7044.1	8338.9	10056.2	11987.9	14292.3	17129.5	20050.0
-2.5°	2272.9	2962.9	3972.2	5494.5	7030.5	8349.7	10002.1	11972.7	14195.0	16900.1	19764.7
-5°	2330.1	3063.7	4079.3	5518.3	6971.5	8310.8	9886.8	11866.9	13885.9	16292.0	18858.5
-7.5°	2366.3	3143.8	4156.6	5477.8	6779.0	8005.6	9376.5	11063.2	12904.1	15045.9	17305.4
-10°	2373.9	3135.2	4040.5	5214.1	6405.0	7529.6	8751.3	10216.0	11862.1	13735.2	15699.7
-12.5°	2300.1	3048.4	3877.0	4931.6	6017.8	7035.2	8105.0	9349.4	10776.0	12386.2	14125.3
-15°	2220.1	2950.2	3701.2	4637.1	5626.8	6530.7	7448.6	8480.7	9746.5	11213.4	12713.2
-17.5°	2137.9	2842.2	3516.8	4337.2	5240.9	6024.0	6827.5	7807.7	8941.9	10178.1	11398.8
-20°	2057.2	2726.0	3327.1	4037.8	4865.9	5605.3	6388.9	7250.2	8202.3	9209.8	10180.2



REPORT NUMBER: P701721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1981.4	2603.2	3151.8	3786.7	4543.7	5252.7	5952.6	6692.6	7481.0	8296.7	9320.8
-25°	1930.6	2485.4	2998.7	3587.5	4241.1	4895.6	5512.8	6149.0	6827.6	7729.9	8678.5
-27.5°	1899.0	2385.0	2864.4	3387.4	3951.6	4543.2	5101.9	5663.0	6419.6	7231.4	8070.9
-30°	1868.0	2285.1	2724.3	3198.3	3711.9	4225.1	4706.1	5340.0	6045.5	6788.2	7534.8
-32.5°	1809.0	2180.3	2596.7	3035.4	3489.2	3933.6	4435.8	5059.2	5706.2	6359.2	7033.1
-35°	1735.8	2087.8	2471.5	2869.8	3276.6	3716.1	4225.3	4774.1	5368.5	5976.0	6641.1
-37.5°	1671.9	1987.2	2341.6	2713.1	3094.3	3527.2	3995.2	4508.0	5049.7	5617.8	6252.7
-40°	1601.0	1878.7	2218.7	2567.0	2925.0	3329.5	3770.4	4236.3	4735.0	5278.2	5848.0
-42.5°	1525.0	1792.5	2092.2	2417.1	2757.5	3127.5	3527.8	3966.0	4431.3	4925.8	5447.8
-45°	1454.4	1699.7	1963.5	2267.0	2581.8	2918.3	3289.5	3682.9	4123.8	4579.1	5049.3
-47.5°	1376.0	1602.9	1852.8	2106.7	2401.5	2711.7	3040.8	3412.9	3802.5	4225.3	4659.4
-50°	1291.5	1506.9	1726.8	1959.1	2217.0	2500.5	2801.1	3136.0	3496.6	3865.9	4256.4
-52.5°	1204.4	1402.5	1601.4	1808.3	2038.5	2290.4	2563.8	2860.2	3184.6	3523.3	3860.3
-55°	1111.7	1294.6	1471.6	1659.7	1860.3	2084.7	2326.2	2590.4	2862.7	3171.1	3468.0
-57.5°	1018.0	1179.0	1340.0	1510.8	1689.7	1877.5	2097.5	2321.3	2566.7	2820.3	3067.6
-60°	921.1	1061.5	1204.7	1359.1	1520.6	1690.8	1869.9	2069.6	2277.5	2482.7	2700.5
-62.5°	820.6	944.4	1070.5	1202.6	1347.8	1501.2	1661.2	1827.7	1999.1	2177.5	2353.5
-65°	723.5	828.5	938.5	1054.2	1170.5	1311.0	1452.7	1592.8	1742.6	1887.2	2028.3
-67.5°	624.7	724.3	816.8	907.1	1014.4	1134.9	1246.1	1373.1	1498.6	1617.5	1732.4
-70°	542.9	622.5	707.5	789.2	873.7	976.3	1085.4	1186.3	1281.4	1381.0	1488.7
-72.5°	464.1	540.9	612.0	677.3	762.9	858.9	948.4	1031.7	1122.3	1217.0	1304.1
-75°	391.9	458.9	528.3	592.5	663.8	747.6	837.8	922.7	999.7	1076.3	1155.6
-77.5°	322.4	372.8	431.1	497.0	567.7	632.9	704.2	781.1	853.1	926.1	1003.6
-80°	247.5	283.5	323.1	368.7	421.3	478.8	540.6	606.2	663.8	716.7	769.0
-82.5°	166.6	194.0	221.7	249.7	279.0	310.0	344.1	386.0	423.3	460.7	498.8
-85°	92.2	103.8	122.8	142.0	158.3	175.5	193.7	212.7	230.4	247.8	264.7
-87.5°	53.8	59.8	66.2	72.8	77.1	81.3	85.3	89.1	94.2	99.0	103.8
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	33.3	33.8	34.4	34.9	35.4	37.0	38.5	40.1	41.6	41.1	40.6
87.5°	16.8	16.6	16.3	16.0	15.7	17.3	18.9	20.6	22.3	20.4	18.5
85°	32.0	32.2	32.2	32.1	31.9	34.0	36.2	38.3	40.3	37.2	33.9
82.5°	55.0	54.0	52.1	49.5	46.2	45.5	44.6	43.3	41.7	40.0	38.4
80°	81.6	77.7	72.6	66.7	60.1	56.6	53.3	49.6	45.6	44.4	43.4
77.5°	105.1	98.0	89.4	80.1	70.1	64.1	59.0	53.8	48.3	47.1	46.7
75°	120.2	111.0	98.4	85.4	72.0	63.5	57.4	51.5	45.6	43.9	43.1
72.5°	124.8	112.0	97.3	81.0	65.3	55.3	49.7	44.6	40.0	38.2	37.2
70°	116.7	99.6	83.4	67.8	53.4	44.2	40.2	36.7	33.7	32.4	31.9
67.5°	98.5	80.7	65.6	52.5	42.0	35.2	32.9	30.8	29.0	27.8	26.9
65°	74.9	60.9	49.9	41.1	34.4	30.2	28.4	26.7	25.0	23.7	22.7
62.5°	55.0	44.8	38.3	33.3	29.5	26.7	24.9	23.4	22.2	21.2	20.4
60°	41.5	34.5	30.4	27.3	24.8	23.0	22.0	21.0	20.1	19.2	18.4
57.5°	31.7	27.5	24.5	23.0	21.8	21.0	20.2	19.2	18.2	17.3	16.5
55°	25.0	22.9	21.2	20.7	20.2	19.4	18.5	17.7	16.7	15.4	14.5
52.5°	21.0	20.8	20.8	20.4	19.8	19.2	18.6	17.3	16.1	14.9	14.1
50°	20.8	20.9	21.0	20.6	20.0	19.4	18.8	17.9	17.1	16.2	15.7
47.5°	21.6	21.9	23.1	21.1	20.8	21.4	21.0	20.2	20.0	19.5	19.0
45°	25.4	29.8	31.0	29.3	25.8	28.7	27.7	24.4	26.3	26.1	24.5
42.5°	45.3	50.0	53.6	51.3	44.0	46.4	46.4	41.4	42.8	43.0	41.1
40°	86.3	84.7	90.6	88.2	80.2	77.2	80.6	74.9	73.8	76.7	73.3
37.5°	142.1	143.0	140.4	140.7	137.9	130.1	134.7	133.1	128.4	137.4	138.4
35°	222.1	229.1	207.4	215.9	219.6	211.2	216.5	231.7	222.0	242.9	248.6
32.5°	329.4	343.6	333.4	323.5	339.9	352.9	359.0	391.2	399.7	418.6	441.1
30°	461.6	498.7	528.0	509.7	507.6	553.7	580.3	623.4	665.3	690.4	736.3
27.5°	736.6	725.3	794.9	815.5	769.6	843.3	943.2	962.2	1089.7	1100.0	1189.2
25°	1164.2	1158.3	1179.2	1280.3	1305.9	1342.8	1514.4	1605.0	1751.2	1830.2	1898.6
22.5°	1738.3	1900.6	1928.2	1881.8	2103.9	2249.1	2297.1	2557.9	2677.2	2855.2	2908.7
20°	2456.4	2833.9	3310.5	3318.1	3226.7	3645.0	3818.4	3955.5	4246.9	4450.0	4587.7
17.5°	4339.0	4336.1	5309.8	5847.8	5786.9	6088.2	6940.4	6852.5	7541.0	7958.4	7976.0
15°	7101.9	7616.9	8234.8	9210.6	10041.1	10710.6	11519.8	12577.0	13433.2	14438.8	15202.2
12.5°	10262.8	11277.0	12334.6	13447.7	14751.1	16231.2	17840.9	19250.2	20926.7	22393.8	23910.8
10°	13429.9	15036.2	16528.8	18192.3	20044.8	22016.4	24377.2	26439.9	28919.8	31094.8	32524.7
7.5°	16334.0	18261.0	20278.3	22696.3	25282.0	27757.8	30430.4	33323.5	36224.8	38737.9	40871.8
5°	19172.5	21338.7	23574.7	26238.2	29193.1	32295.4	35602.6	39024.2	42064.2	44927.0	47418.7
2.5°	21399.3	23880.6	26435.2	29446.9	32626.1	35770.0	39080.7	42764.1	46299.7	49647.8	52207.5
0°	22722.7	25212.3	27718.6	30909.7	34400.5	37778.9	41469.6	45391.4	49123.7	52325.2	54698.2
-2.5°	22195.5	24620.5	27152.9	30305.5	33668.6	36816.5	40342.8	44141.7	47756.6	50999.0	53461.9
-5°	21003.5	23179.1	25500.6	28415.6	31561.9	34689.3	38146.4	41760.2	44878.8	47756.8	49965.0
-7.5°	19327.3	21334.4	23499.5	26198.3	29091.6	31822.7	34648.5	37564.1	40402.0	42863.4	44680.3
-10°	17547.1	19364.1	21227.8	23392.0	25857.9	28241.7	30625.9	33285.2	35624.1	37656.2	39154.6
-12.5°	15761.9	17254.4	18724.7	20379.6	22495.5	24640.9	26703.0	28932.9	30795.9	32472.3	33805.2
-15°	14048.3	15210.2	16325.9	17927.7	19790.9	21375.2	22644.2	24663.8	25928.5	27418.7	28350.7
-17.5°	12455.5	13383.4	14739.2	16116.1	17445.4	18747.5	20211.6	21407.3	22648.6	23865.9	24666.8
-20°	11202.3	12349.9	13495.8	14615.6	15757.6	17000.5	18159.5	19289.4	20371.3	21306.7	21948.9



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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°	10386.5	11405.3	12369.9	13377.6	14490.1	15533.8	16513.0	17553.5	18478.5	19177.0	19699.4
-25°	9603.2	10489.2	11427.7	12435.9	13377.2	14255.6	15157.4	15960.6	16749.9	17331.4	17820.3
-27.5°	8897.2	9737.7	10662.4	11556.0	12395.0	13216.0	13982.2	14647.6	15305.2	15770.3	16256.5
-30°	8283.0	9134.4	9975.4	10769.7	11557.8	12301.6	12977.3	13609.0	14160.7	14613.8	15021.3
-32.5°	7819.1	8591.2	9340.1	10083.2	10830.1	11515.8	12107.3	12714.1	13221.7	13656.1	14025.2
-35°	7360.5	8086.3	8778.6	9459.6	10147.0	10808.2	11380.8	11909.2	12408.8	12797.6	13135.8
-37.5°	6913.2	7590.0	8230.5	8842.9	9471.9	10081.4	10603.8	11100.1	11546.8	11906.1	12227.0
-40°	6462.6	7082.6	7655.3	8225.9	8791.0	9301.7	9792.7	10249.9	10632.6	10963.8	11255.8
-42.5°	5997.1	6543.0	7059.5	7581.8	8098.0	8549.9	8983.3	9393.9	9719.6	10013.2	10266.0
-45°	5529.8	6010.2	6483.4	6952.6	7377.4	7794.6	8187.4	8534.2	8827.9	9087.9	9307.1
-47.5°	5080.0	5488.3	5921.3	6349.1	6714.0	7071.2	7414.8	7708.8	7963.9	8191.2	8384.2
-50°	4630.5	4994.8	5372.5	5739.7	6074.4	6387.8	6675.8	6932.7	7165.1	7361.7	7527.2
-52.5°	4185.5	4523.9	4846.7	5145.2	5449.3	5737.5	6005.4	6230.0	6433.7	6615.5	6761.4
-55°	3760.8	4059.9	4361.8	4616.0	4861.8	5101.8	5324.9	5525.6	5710.1	5877.1	6007.9
-57.5°	3332.2	3593.2	3845.4	4073.4	4293.9	4505.7	4686.5	4843.7	4991.0	5126.0	5241.3
-60°	2918.7	3136.1	3349.1	3539.4	3723.1	3899.4	4053.3	4187.1	4305.7	4410.3	4504.9
-62.5°	2530.3	2717.2	2887.0	3040.6	3184.3	3328.0	3459.3	3575.1	3675.5	3761.6	3835.6
-65°	2173.4	2328.0	2463.8	2591.0	2710.3	2831.4	2936.8	3031.9	3116.5	3187.6	3244.6
-67.5°	1856.0	1977.0	2090.1	2188.5	2290.1	2393.1	2488.4	2571.6	2643.4	2700.2	2744.5
-70°	1588.3	1686.3	1787.7	1885.8	1982.5	2071.0	2153.4	2227.1	2292.7	2341.6	2380.7
-72.5°	1383.9	1466.6	1560.1	1659.1	1750.9	1838.9	1922.8	2000.8	2073.4	2120.0	2156.3
-75°	1237.2	1322.5	1406.1	1488.7	1570.0	1647.4	1725.5	1805.1	1885.5	1932.9	1971.0
-77.5°	1075.1	1134.9	1197.1	1264.4	1336.1	1405.6	1473.6	1540.6	1606.4	1639.4	1664.5
-80°	824.2	871.9	918.7	966.1	1013.7	1062.6	1111.9	1160.8	1208.9	1231.1	1247.7
-82.5°	537.2	570.0	601.1	631.1	659.8	684.2	707.1	728.4	748.0	757.6	764.2
-85°	281.3	295.8	309.4	322.2	334.3	341.8	348.3	353.7	358.2	364.3	369.4
-87.5°	108.3	112.4	116.3	120.2	124.0	125.9	127.5	128.9	130.1	132.0	133.9
-90°	8.3	7.8	7.3	6.7	6.2	5.7	5.2	4.7	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	40.1	39.6	40.6	41.6	40.6	39.6	40.1	40.6	41.1	41.6	40.1
87.5°	16.6	14.6	13.5	12.5	13.5	14.6	16.6	18.5	20.4	22.3	20.6
85°	30.5	27.0	25.0	22.9	25.0	27.0	30.5	33.9	37.2	40.3	38.3
82.5°	36.8	35.3	35.4	35.4	35.4	35.3	36.8	38.4	40.0	41.7	43.3
80°	42.5	41.5	41.6	41.6	41.6	41.5	42.5	43.4	44.4	45.6	49.6
77.5°	46.2	45.7	44.8	43.7	44.8	45.7	46.2	46.7	47.1	48.3	53.8
75°	42.4	41.7	41.6	41.6	41.6	41.7	42.4	43.1	43.9	45.6	51.5
72.5°	36.4	35.6	35.4	35.4	35.4	35.6	36.4	37.2	38.2	40.0	44.6
70°	31.5	31.3	30.3	29.1	30.3	31.3	31.5	31.9	32.4	33.7	36.7
67.5°	26.1	25.3	25.0	25.0	25.0	25.3	26.1	26.9	27.8	29.0	30.8
65°	21.9	21.1	20.8	20.8	20.8	21.1	21.9	22.7	23.7	25.0	26.7
62.5°	19.6	18.9	17.9	16.7	17.9	18.9	19.6	20.4	21.2	22.2	23.4
60°	17.7	17.0	15.8	14.6	15.8	17.0	17.7	18.4	19.2	20.1	21.0
57.5°	15.7	14.9	14.6	14.6	14.6	14.9	15.7	16.5	17.3	18.2	19.2
55°	13.7	12.9	12.5	12.5	12.5	12.9	13.7	14.5	15.4	16.7	17.7
52.5°	13.4	12.8	12.5	12.5	12.5	12.8	13.4	14.1	14.9	16.1	17.3
50°	15.3	14.8	14.6	14.6	14.6	14.8	15.3	15.7	16.2	17.1	17.9
47.5°	18.2	17.2	16.7	16.7	16.7	17.2	18.2	19.0	19.5	20.0	20.2
45°	24.0	23.2	22.8	22.9	22.8	23.2	24.0	24.5	26.1	26.3	24.4
42.5°	41.5	40.3	38.7	37.5	38.7	40.3	41.5	41.1	43.0	42.8	41.4
40°	73.5	72.0	69.5	68.7	69.5	72.0	73.5	73.3	76.7	73.8	74.9
37.5°	140.3	139.2	134.8	133.2	134.8	139.2	140.3	138.4	137.4	128.4	133.1
35°	248.1	250.0	245.8	245.6	245.8	250.0	248.1	248.6	242.9	222.0	231.7
32.5°	448.6	453.4	440.7	447.5	440.7	453.4	448.6	441.1	418.6	399.7	391.2
30°	734.9	751.2	744.0	747.3	744.0	751.2	734.9	736.3	690.4	665.3	623.4
27.5°	1198.0	1210.2	1184.9	1176.1	1184.9	1210.2	1198.0	1189.2	1100.0	1089.7	962.2
25°	1937.0	1944.7	1920.1	1929.6	1920.1	1944.7	1937.0	1898.6	1830.2	1751.2	1605.0
22.5°	3017.4	2988.5	2961.1	2935.1	2961.1	2988.5	3017.4	2908.7	2855.2	2677.2	2557.9
20°	4715.6	4648.9	4640.0	4589.9	4640.0	4648.9	4715.6	4587.7	4450.0	4246.9	3955.5
17.5°	8401.7	8522.6	8254.2	7735.2	8254.2	8522.6	8401.7	7976.0	7958.4	7541.0	6852.5
15°	15651.9	16219.9	16464.0	15868.0	16464.0	16219.9	15651.9	15202.2	14438.8	13433.2	12577.0
12.5°	24748.2	25148.1	25632.4	25279.0	25632.4	25148.1	24748.2	23910.8	22393.8	20926.7	19250.2
10°	33752.9	34351.6	35084.7	34754.4	35084.7	34351.6	33752.9	32524.7	31094.8	28919.8	26439.9
7.5°	42046.2	43077.7	43721.9	43307.7	43721.9	43077.7	42046.2	40871.8	38737.9	36224.8	33323.5
5°	49124.0	49939.5	50327.9	50220.7	50327.9	49939.5	49124.0	47418.7	44927.0	42064.2	39024.2
2.5°	53663.0	54523.9	54871.8	54582.7	54871.8	54523.9	53663.0	52207.5	49647.8	46299.7	42764.1
0°	55881.5	56688.2	57241.9	57285.6	57241.9	56688.2	55881.5	54698.2	52325.2	49123.7	45391.4
-2.5°	54599.5	55089.7	55354.5	55178.0	55354.5	55089.7	54599.5	53461.9	50999.0	47756.6	44141.7
-5°	51241.7	51760.0	51928.3	52133.7	51928.3	51760.0	51241.7	49965.0	47756.8	44878.8	41760.2
-7.5°	45702.3	46270.9	46690.2	46672.6	46690.2	46270.9	45702.3	44680.3	42863.4	40402.0	37564.1
-10°	40268.9	40691.4	41128.8	41055.4	41128.8	40691.4	40268.9	39154.6	37656.2	35624.1	33285.2
-12.5°	34884.2	35589.1	35760.3	35708.8	35760.3	35589.1	34884.2	33805.2	32472.3	30795.9	28932.9
-15°	29411.6	29933.8	29891.0	29752.3	29891.0	29933.8	29411.6	28350.7	27418.7	25928.5	24663.8
-17.5°	25359.9	25647.8	25757.9	25649.5	25757.9	25647.8	25359.9	24666.8	23865.9	22648.6	21407.3
-20°	22476.8	22699.3	22774.3	22824.7	22774.3	22699.3	22476.8	21948.9	21306.7	20371.3	19289.4



REPORT NUMBER: P701721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20149.4	20376.7	20442.5	20528.7	20442.5	20376.7	20149.4	19699.4	19177.0	18478.5	17553.5
-25°	18197.5	18419.7	18494.8	18580.4	18494.8	18419.7	18197.5	17820.3	17331.4	16749.9	15960.6
-27.5°	16582.5	16799.3	16889.7	16954.6	16889.7	16799.3	16582.5	16256.5	15770.3	15305.2	14647.6
-30°	15310.7	15524.3	15653.4	15695.3	15653.4	15524.3	15310.7	15021.3	14613.8	14160.7	13609.0
-32.5°	14301.7	14488.1	14609.4	14671.1	14609.4	14488.1	14301.7	14025.2	13656.1	13221.7	12714.1
-35°	13403.0	13590.2	13716.3	13780.2	13716.3	13590.2	13403.0	13135.8	12797.6	12408.8	11909.2
-37.5°	12484.0	12687.8	12821.1	12824.7	12821.1	12687.8	12484.0	12227.0	11906.1	11546.8	11100.1
-40°	11470.1	11631.7	11737.5	11779.8	11737.5	11631.7	11470.1	11255.8	10963.8	10632.6	10249.9
-42.5°	10453.2	10590.5	10676.2	10711.9	10676.2	10590.5	10453.2	10266.0	10013.2	9719.6	9393.9
-45°	9482.3	9620.6	9692.1	9681.5	9692.1	9620.6	9482.3	9307.1	9087.9	8827.9	8534.2
-47.5°	8532.4	8639.7	8698.3	8711.5	8698.3	8639.7	8532.4	8384.2	8191.2	7963.9	7708.8
-50°	7667.7	7781.5	7830.1	7816.4	7830.1	7781.5	7667.7	7527.2	7361.7	7165.1	6932.7
-52.5°	6881.5	6978.2	7020.1	7015.0	7020.1	6978.2	6881.5	6761.4	6615.5	6433.7	6230.0
-55°	6114.9	6198.4	6231.7	6226.1	6231.7	6198.4	6114.9	6007.9	5877.1	5710.1	5525.6
-57.5°	5336.9	5412.2	5434.4	5420.5	5434.4	5412.2	5336.9	5241.3	5126.0	4991.0	4843.7
-60°	4583.4	4645.2	4664.5	4656.5	4664.5	4645.2	4583.4	4504.9	4410.3	4305.7	4187.1
-62.5°	3896.8	3944.6	3964.2	3965.4	3964.2	3944.6	3896.8	3835.6	3761.6	3675.5	3575.1
-65°	3290.8	3326.3	3342.1	3345.1	3342.1	3326.3	3290.8	3244.6	3187.6	3116.5	3031.9
-67.5°	2780.1	2807.8	2817.5	2818.5	2817.5	2807.8	2780.1	2744.5	2700.2	2643.4	2571.6
-70°	2415.6	2446.5	2459.4	2466.7	2459.4	2446.5	2415.6	2380.7	2341.6	2292.7	2227.1
-72.5°	2190.4	2222.1	2237.0	2248.1	2237.0	2222.1	2190.4	2156.3	2120.0	2073.4	2000.8
-75°	2007.2	2040.9	2051.4	2056.6	2051.4	2040.9	2007.2	1971.0	1932.9	1885.5	1805.1
-77.5°	1686.3	1704.4	1711.2	1713.2	1711.2	1704.4	1686.3	1664.5	1639.4	1606.4	1540.6
-80°	1260.8	1270.4	1288.5	1303.1	1288.5	1270.4	1260.8	1247.7	1231.1	1208.9	1160.8
-82.5°	768.3	769.9	780.5	788.9	780.5	769.9	768.3	764.2	757.6	748.0	728.4
-85°	373.7	377.0	385.6	393.4	385.6	377.0	373.7	369.4	364.3	358.2	353.7
-87.5°	135.5	137.0	136.3	135.3	136.3	137.0	135.5	133.9	132.0	130.1	128.9
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.7



REPORT NUMBER: P701721 (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°	38.5	37.0	35.4	34.9	34.4	33.8	33.3	30.7	28.1	25.5	22.9
87.5°	18.9	17.3	15.7	16.0	16.3	16.6	16.8	15.7	14.7	13.7	12.8
85°	36.2	34.0	31.9	32.1	32.2	32.2	32.0	31.1	29.9	28.4	26.7
82.5°	44.6	45.5	46.2	49.5	52.1	54.0	55.0	54.6	53.5	51.8	49.0
80°	53.3	56.6	60.1	66.7	72.6	77.7	81.6	83.0	83.9	83.6	80.8
77.5°	59.0	64.1	70.1	80.1	89.4	98.0	105.1	108.5	110.0	110.7	107.7
75°	57.4	63.5	72.0	85.4	98.4	111.0	120.2	125.6	130.1	133.4	130.2
72.5°	49.7	55.3	65.3	81.0	97.3	112.0	124.8	135.5	144.6	151.8	147.2
70°	40.2	44.2	53.4	67.8	83.4	99.6	116.7	134.2	152.2	164.5	157.2
67.5°	32.9	35.2	42.0	52.5	65.6	80.7	98.5	118.8	138.1	156.8	155.0
65°	28.4	30.2	34.4	41.1	49.9	60.9	74.9	92.4	113.4	134.7	137.7
62.5°	24.9	26.7	29.5	33.3	38.3	44.8	55.0	69.5	86.6	101.4	108.8
60°	22.0	23.0	24.8	27.3	30.4	34.5	41.5	50.9	62.6	74.8	82.6
57.5°	20.2	21.0	21.8	23.0	24.5	27.5	31.7	36.8	46.4	54.0	60.6
55°	18.5	19.4	20.2	20.7	21.2	22.9	25.0	28.7	34.3	38.9	46.6
52.5°	18.6	19.2	19.8	20.4	20.8	20.8	21.0	23.5	27.1	32.1	36.5
50°	18.8	19.4	20.0	20.6	21.0	20.9	20.8	20.9	24.0	27.9	31.7
47.5°	21.0	21.4	20.8	21.1	23.1	21.9	21.6	23.1	26.0	26.1	29.5
45°	27.7	28.7	25.8	29.3	31.0	29.8	25.4	31.1	32.8	32.1	28.9
42.5°	46.4	46.4	44.0	51.3	53.6	50.0	45.3	49.7	47.8	43.0	48.4
40°	80.6	77.2	80.2	88.2	90.6	84.7	86.3	80.6	75.2	63.4	82.4
37.5°	134.7	130.1	137.9	140.7	140.4	143.0	142.1	130.1	113.4	123.0	137.9
35°	216.5	211.2	219.6	215.9	207.4	229.1	222.1	195.3	181.9	197.0	206.9
32.5°	359.0	352.9	339.9	323.5	333.4	343.6	329.4	289.6	295.4	295.3	284.5
30°	580.3	553.7	507.6	509.7	528.0	498.7	461.6	475.5	455.8	415.3	375.4
27.5°	943.2	843.3	769.6	815.5	794.9	725.3	736.6	716.0	649.5	574.6	520.4
25°	1514.4	1342.8	1305.9	1280.3	1179.2	1158.3	1164.2	1067.3	910.1	801.1	875.1
22.5°	2297.1	2249.1	2103.9	1881.8	1928.2	1900.6	1738.3	1517.5	1354.0	1472.4	1377.9
20°	3818.4	3645.0	3226.7	3318.1	3310.5	2833.9	2456.4	2486.3	2581.0	2374.4	2009.5
17.5°	6940.4	6088.2	5786.9	5847.8	5309.8	4336.1	4339.0	4385.3	4061.1	3457.9	2749.3
15°	11519.8	10710.6	10041.1	9210.6	8234.8	7616.9	7101.9	6619.9	5793.8	4761.9	3826.6
12.5°	17840.9	16231.2	14751.1	13447.7	12334.6	11277.0	10262.8	9176.6	7831.1	6543.9	5464.9
10°	24377.2	22016.4	20044.8	18192.3	16528.8	15036.2	13429.9	11776.1	10084.9	8481.2	7103.4
7.5°	30430.4	27757.8	25282.0	22696.3	20278.3	18261.0	16334.0	14343.6	12304.8	10398.4	8726.6
5°	35602.6	32295.4	29193.1	26238.2	23574.7	21338.7	19172.5	16868.1	14465.4	12272.7	10312.4
2.5°	39080.7	35770.0	32626.1	29446.9	26435.2	23880.6	21399.3	18762.3	15983.4	13398.1	11186.8
0°	41469.6	37778.9	34400.5	30909.7	27718.6	25212.3	22722.7	20050.0	17129.5	14292.3	11987.9
-2.5°	40342.8	36816.5	33668.6	30305.5	27152.9	24620.5	22195.5	19764.7	16900.1	14195.0	11972.7
-5°	38146.4	34689.3	31561.9	28415.6	25500.6	23179.1	21003.5	18858.5	16292.0	13885.9	11866.9
-7.5°	34648.5	31822.7	29091.6	26198.3	23499.5	21334.4	19327.3	17305.4	15045.9	12904.1	11063.2
-10°	30625.9	28241.7	25857.9	23392.0	21227.8	19364.1	17547.1	15699.7	13735.2	11862.1	10216.0
-12.5°	26703.0	24640.9	22495.5	20379.6	18724.7	17254.4	15761.9	14125.3	12386.2	10776.0	9349.4
-15°	22644.2	21375.2	19790.9	17927.7	16325.9	15210.2	14048.3	12713.2	11213.4	9746.5	8480.7
-17.5°	20211.6	18747.5	17445.4	16116.1	14739.2	13383.4	12455.5	11398.8	10178.1	8941.9	7807.7
-20°	18159.5	17000.5	15757.6	14615.6	13495.8	12349.9	11202.3	10180.2	9209.8	8202.3	7250.2



REPORT NUMBER: P701721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16513.0	15533.8	14490.1	13377.6	12369.9	11405.3	10386.5	9320.8	8296.7	7481.0	6692.6
-25°	15157.4	14255.6	13377.2	12435.9	11427.7	10489.2	9603.2	8678.5	7729.9	6827.6	6149.0
-27.5°	13982.2	13216.0	12395.0	11556.0	10662.4	9737.7	8897.2	8070.9	7231.4	6419.6	5663.0
-30°	12977.3	12301.6	11557.8	10769.7	9975.4	9134.4	8283.0	7534.8	6788.2	6045.5	5340.0
-32.5°	12107.3	11515.8	10830.1	10083.2	9340.1	8591.2	7819.1	7033.1	6359.2	5706.2	5059.2
-35°	11380.8	10808.2	10147.0	9459.6	8778.6	8086.3	7360.5	6641.1	5976.0	5368.5	4774.1
-37.5°	10603.8	10081.4	9471.9	8842.9	8230.5	7590.0	6913.2	6252.7	5617.8	5049.7	4508.0
-40°	9792.7	9301.7	8791.0	8225.9	7655.3	7082.6	6462.6	5848.0	5278.2	4735.0	4236.3
-42.5°	8983.3	8549.9	8098.0	7581.8	7059.5	6543.0	5997.1	5447.8	4925.8	4431.3	3966.0
-45°	8187.4	7794.6	7377.4	6952.6	6483.4	6010.2	5529.8	5049.3	4579.1	4123.8	3682.9
-47.5°	7414.8	7071.2	6714.0	6349.1	5921.3	5488.3	5080.0	4659.4	4225.3	3802.5	3412.9
-50°	6675.8	6387.8	6074.4	5739.7	5372.5	4994.8	4630.5	4256.4	3865.9	3496.6	3136.0
-52.5°	6005.4	5737.5	5449.3	5145.2	4846.7	4523.9	4185.5	3860.3	3523.3	3184.6	2860.2
-55°	5324.9	5101.8	4861.8	4616.0	4361.8	4059.9	3760.8	3468.0	3171.1	2862.7	2590.4
-57.5°	4686.5	4505.7	4293.9	4073.4	3845.4	3593.2	3332.2	3067.6	2820.3	2566.7	2321.3
-60°	4053.3	3899.4	3723.1	3539.4	3349.1	3136.1	2918.7	2700.5	2482.7	2277.5	2069.6
-62.5°	3459.3	3328.0	3184.3	3040.6	2887.0	2717.2	2530.3	2353.5	2177.5	1999.1	1827.7
-65°	2936.8	2831.4	2710.3	2591.0	2463.8	2328.0	2173.4	2028.3	1887.2	1742.6	1592.8
-67.5°	2488.4	2393.1	2290.1	2188.5	2090.1	1977.0	1856.0	1732.4	1617.5	1498.6	1373.1
-70°	2153.4	2071.0	1982.5	1885.8	1787.7	1686.3	1588.3	1488.7	1381.0	1281.4	1186.3
-72.5°	1922.8	1838.9	1750.9	1659.1	1560.1	1466.6	1383.9	1304.1	1217.0	1122.3	1031.7
-75°	1725.5	1647.4	1570.0	1488.7	1406.1	1322.5	1237.2	1155.6	1076.3	999.7	922.7
-77.5°	1473.6	1405.6	1336.1	1264.4	1197.1	1134.9	1075.1	1003.6	926.1	853.1	781.1
-80°	1111.9	1062.6	1013.7	966.1	918.7	871.9	824.2	769.0	716.7	663.8	606.2
-82.5°	707.1	684.2	659.8	631.1	601.1	570.0	537.2	498.8	460.7	423.3	386.0
-85°	348.3	341.8	334.3	322.2	309.4	295.8	281.3	264.7	247.8	230.4	212.7
-87.5°	127.5	125.9	124.0	120.2	116.3	112.4	108.3	103.8	99.0	94.2	89.1
-90°	5.2	5.7	6.2	6.7	7.3	7.8	8.3	8.3	8.3	8.3	8.3



REPORT NUMBER: P701721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	21.4	19.8	18.3	16.7	16.2	15.7	15.1	14.6	14.1	13.6	13.0
87.5°	14.0	15.0	15.9	16.7	15.6	14.5	13.6	12.7	12.9	12.9	12.8
85°	26.0	25.6	25.5	25.6	23.4	20.7	18.8	17.1	17.5	17.6	17.4
82.5°	44.1	40.8	38.3	36.4	35.2	33.3	30.5	27.0	24.0	22.4	22.0
80°	72.4	64.5	57.4	51.2	47.7	45.9	43.6	39.8	33.5	29.0	26.2
77.5°	97.3	87.5	78.4	69.2	61.3	55.7	52.2	49.9	42.6	35.2	30.2
75°	119.0	106.8	95.1	83.8	73.2	64.7	57.9	52.9	46.8	40.8	33.8
72.5°	133.8	121.1	109.3	96.6	82.6	71.2	62.4	55.7	49.1	42.8	36.7
70°	144.3	132.4	119.6	105.1	90.5	76.7	65.4	57.8	51.4	44.6	38.2
67.5°	150.9	137.4	125.2	112.1	96.9	82.0	68.0	59.6	53.0	46.4	39.6
65°	134.8	132.0	127.9	113.8	100.4	86.8	71.8	61.9	54.5	47.7	40.9
62.5°	114.4	116.8	114.7	111.4	101.1	88.0	75.6	65.5	56.2	48.9	42.0
60°	89.3	95.9	100.2	99.2	96.1	87.7	76.7	68.8	58.9	50.1	43.0
57.5°	69.2	75.6	82.6	86.6	85.9	82.7	77.2	70.0	61.3	51.8	44.0
55°	52.4	60.0	67.3	73.1	75.7	74.2	75.3	70.2	63.0	53.5	45.4
52.5°	42.2	48.4	55.1	61.6	65.7	67.1	70.1	70.3	63.0	54.9	47.3
50°	35.6	42.7	47.1	52.1	57.2	61.5	65.5	66.8	63.0	55.8	49.3
47.5°	35.7	42.5	45.3	45.8	50.0	56.5	61.2	63.4	62.8	55.6	51.3
45°	43.2	48.0	48.2	46.8	46.0	53.5	57.4	60.5	60.4	56.9	53.3
42.5°	58.1	61.9	57.6	49.8	54.6	52.5	54.1	57.7	58.2	58.5	54.9
40°	89.3	83.9	72.6	71.5	72.0	53.8	54.5	55.2	56.8	59.9	56.4
37.5°	129.9	118.3	99.0	105.6	98.2	75.6	56.7	53.2	58.2	61.0	58.1
35°	194.5	164.3	153.2	152.3	136.5	102.9	60.2	53.4	60.8	62.6	59.8
32.5°	271.7	244.9	233.4	208.7	181.9	135.5	78.7	64.0	64.7	64.7	61.7
30°	372.7	384.4	330.5	271.1	234.5	178.5	117.8	77.1	70.0	67.3	63.6
27.5°	573.6	554.9	450.0	359.3	293.3	231.8	184.5	92.7	76.5	70.8	65.6
25°	838.2	760.8	615.3	464.5	355.8	393.0	268.5	112.2	87.6	75.8	67.8
22.5°	1195.3	1004.7	801.2	579.1	599.2	597.4	384.6	176.0	101.6	81.5	70.2
20°	1610.9	1281.9	1079.3	1001.7	903.9	815.9	541.0	248.9	116.7	87.8	72.8
17.5°	2096.7	1887.1	1776.5	1518.1	1256.6	1054.5	720.7	328.8	132.6	94.6	75.5
15°	3265.9	2902.8	2552.5	2087.8	1638.0	1309.4	918.5	413.8	149.2	101.6	83.1
12.5°	4612.2	3964.8	3388.8	2698.4	2040.9	1576.3	1128.9	501.6	166.0	117.9	97.2
10°	5984.9	5058.5	4267.6	3336.2	2457.6	1850.5	1345.6	599.8	205.6	141.8	111.8
7.5°	7365.5	6167.6	5169.5	3986.5	2868.3	2118.9	1575.3	716.7	249.1	166.0	126.7
5°	8623.3	7103.7	5901.5	4509.5	3210.7	2372.1	1797.7	829.0	292.7	190.2	141.6
2.5°	9370.7	7743.6	6495.4	4988.0	3535.0	2614.6	2005.2	933.8	335.6	214.1	156.3
0°	10056.2	8338.9	7044.1	5428.8	3836.4	2843.5	2191.9	1028.3	376.8	237.3	170.7
-2.5°	10002.1	8349.7	7030.5	5494.5	3972.2	2962.9	2272.9	1144.0	491.3	320.3	225.4
-5°	9886.8	8310.8	6971.5	5518.3	4079.3	3063.7	2330.1	1246.7	601.8	401.1	278.7
-7.5°	9376.5	8005.6	6779.0	5477.8	4156.6	3143.8	2366.3	1336.5	707.0	478.5	329.9
-10°	8751.3	7529.6	6405.0	5214.1	4040.5	3135.2	2373.9	1413.7	805.6	551.5	378.2
-12.5°	8105.0	7035.2	6017.8	4931.6	3877.0	3048.4	2300.1	1445.1	892.4	618.9	422.9
-15°	7448.6	6530.7	5626.8	4637.1	3701.2	2950.2	2220.1	1451.9	945.2	674.0	463.3
-17.5°	6827.5	6024.0	5240.9	4337.2	3516.8	2842.2	2137.9	1452.1	991.2	716.0	498.4
-20°	6388.9	5605.3	4865.9	4037.8	3327.1	2726.0	2057.2	1446.9	1030.1	753.1	528.8



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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°	5952.6	5252.7	4543.7	3786.7	3151.8	2603.2	1981.4	1437.3	1061.6	784.8	554.9
-25°	5512.8	4895.6	4241.1	3587.5	2998.7	2485.4	1930.6	1424.6	1085.2	811.0	576.3
-27.5°	5101.9	4543.2	3951.6	3387.4	2864.4	2385.0	1899.0	1444.2	1104.7	831.4	593.0
-30°	4706.1	4225.1	3711.9	3198.3	2724.3	2285.1	1868.0	1455.7	1124.2	847.7	604.6
-32.5°	4435.8	3933.6	3489.2	3035.4	2596.7	2180.3	1809.0	1457.2	1136.1	858.5	614.9
-35°	4225.3	3716.1	3276.6	2869.8	2471.5	2087.8	1735.8	1448.7	1140.4	862.4	621.6
-37.5°	3995.2	3527.2	3094.3	2713.1	2341.6	1987.2	1671.9	1401.4	1137.1	859.4	623.5
-40°	3770.4	3329.5	2925.0	2567.0	2218.7	1878.7	1601.0	1351.8	1126.5	849.3	620.5
-42.5°	3527.8	3127.5	2757.5	2417.1	2092.2	1792.5	1525.0	1295.3	1080.8	837.9	612.7
-45°	3289.5	2918.3	2581.8	2267.0	1963.5	1699.7	1454.4	1232.3	1026.2	823.0	600.8
-47.5°	3040.8	2711.7	2401.5	2106.7	1852.8	1602.9	1376.0	1165.5	967.0	801.0	584.9
-50°	2801.1	2500.5	2217.0	1959.1	1726.8	1506.9	1291.5	1093.1	912.3	753.6	563.9
-52.5°	2563.8	2290.4	2038.5	1808.3	1601.4	1402.5	1204.4	1016.5	852.6	703.4	537.9
-55°	2326.2	2084.7	1860.3	1659.7	1471.6	1294.6	1111.7	942.3	788.2	650.4	507.2
-57.5°	2097.5	1877.5	1689.7	1510.8	1340.0	1179.0	1018.0	862.7	722.6	594.4	474.7
-60°	1869.9	1690.8	1520.6	1359.1	1204.7	1061.5	921.1	780.4	654.5	536.9	431.3
-62.5°	1661.2	1501.2	1347.8	1202.6	1070.5	944.4	820.6	698.7	583.1	482.4	383.8
-65°	1452.7	1311.0	1170.5	1054.2	938.5	828.5	723.5	613.5	517.7	426.4	337.6
-67.5°	1246.1	1134.9	1014.4	907.1	816.8	724.3	624.7	536.7	453.0	369.0	297.3
-70°	1085.4	976.3	873.7	789.2	707.5	622.5	542.9	463.1	386.8	322.7	256.3
-72.5°	948.4	858.9	762.9	677.3	612.0	540.9	464.1	391.9	335.1	276.0	214.6
-75°	837.8	747.6	663.8	592.5	528.3	458.9	391.9	335.5	283.1	228.6	177.3
-77.5°	704.2	632.9	567.7	497.0	431.1	372.8	322.4	278.5	229.2	182.3	140.7
-80°	540.6	478.8	421.3	368.7	323.1	283.5	247.5	211.1	170.9	134.8	103.1
-82.5°	344.1	310.0	279.0	249.7	221.7	194.0	166.6	139.3	111.3	86.4	71.3
-85°	193.7	175.5	158.3	142.0	122.8	103.8	92.2	81.2	70.8	61.1	52.0
-87.5°	85.3	81.3	77.1	72.8	66.2	59.8	53.8	48.0	42.5	37.4	32.6
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.5	12.0	11.5	10.9	10.4	9.4	8.3
87.5°	12.6	11.6	10.7	9.9	9.2	8.7	8.3
85°	16.9	14.8	13.0	11.4	10.1	9.0	8.3
82.5°	21.2	18.1	15.3	13.0	11.0	9.4	8.3
80°	25.1	21.2	17.6	14.5	11.9	9.7	8.3
77.5°	27.0	23.6	19.8	16.0	12.8	10.1	8.3
75°	28.9	24.7	21.7	17.4	13.6	10.4	8.3
72.5°	30.6	25.6	22.1	18.9	14.4	10.8	8.3
70°	32.1	26.4	22.4	20.0	15.2	11.1	8.3
67.5°	33.3	27.1	22.6	19.9	16.0	11.4	8.3
65°	34.6	28.0	22.8	19.8	16.8	11.7	8.3
62.5°	35.8	29.2	22.8	19.6	17.5	12.0	8.3
60°	37.0	30.3	22.8	19.4	18.1	12.3	8.3
57.5°	38.4	31.4	23.7	19.2	18.0	12.6	8.3
55°	39.8	32.5	24.6	18.8	17.8	12.9	8.3
52.5°	41.3	33.6	25.5	18.5	17.7	13.1	8.3
50°	42.8	35.0	26.4	18.1	17.6	13.4	8.3
47.5°	44.5	36.4	27.2	17.8	17.5	13.6	8.3
45°	46.2	37.9	28.0	18.4	17.4	13.8	8.3
42.5°	47.9	39.3	28.8	19.0	17.4	14.0	8.3
40°	49.6	40.7	29.7	19.9	17.3	14.1	8.3
37.5°	51.3	42.2	30.8	21.0	17.3	14.3	8.3
35°	53.0	43.5	31.8	22.1	17.3	14.4	8.3
32.5°	54.5	44.8	32.8	23.2	17.4	14.5	8.3
30°	56.0	46.0	33.8	24.3	17.4	14.6	8.3
27.5°	57.4	47.1	35.9	25.4	17.5	14.7	8.3
25°	58.9	48.2	38.1	26.5	17.6	14.8	8.3
22.5°	60.4	50.1	40.4	27.6	17.7	14.8	8.3
20°	61.9	54.0	42.6	28.7	17.8	14.9	8.3
17.5°	67.2	58.1	44.8	29.7	17.9	14.9	8.3
15°	75.3	62.4	47.0	30.7	18.0	14.9	8.3
12.5°	83.8	66.7	49.2	31.6	18.1	14.9	8.3
10°	92.5	71.0	51.2	32.5	18.3	14.9	8.3
7.5°	101.3	75.3	53.2	33.4	18.4	14.8	8.3
5°	110.1	79.5	55.0	34.1	18.5	14.8	8.3
2.5°	118.7	83.6	56.7	34.8	18.6	14.7	8.3
0°	127.0	87.4	58.3	35.4	18.7	14.6	8.3
-2.5°	160.2	106.4	68.1	39.7	20.1	14.9	8.3
-5°	192.4	124.8	77.6	43.9	21.6	15.2	8.3
-7.5°	223.4	142.5	86.7	47.9	22.9	15.5	8.3
-10°	252.6	159.3	95.3	51.7	24.3	15.7	8.3
-12.5°	279.6	174.8	103.3	55.2	25.5	16.0	8.3
-15°	304.2	189.0	110.6	58.3	26.7	16.2	8.3
-17.5°	325.8	201.6	117.1	61.2	27.8	16.4	8.3
-20°	346.1	212.3	122.6	63.6	28.8	16.6	8.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	366.6	221.1	127.2	65.6	29.7	16.7	8.3
-25°	384.1	232.4	130.7	67.1	30.5	16.8	8.3
-27.5°	398.3	243.4	133.1	68.2	31.2	16.9	8.3
-30°	409.2	251.9	134.7	68.7	31.8	17.0	8.3
-32.5°	416.6	257.9	139.1	68.7	32.2	17.0	8.3
-35°	422.4	261.3	141.8	68.2	32.4	17.0	8.3
-37.5°	425.2	262.9	142.9	67.0	32.6	16.9	8.3
-40°	424.2	263.4	142.4	65.4	32.5	16.9	8.3
-42.5°	419.2	261.3	141.3	63.8	32.4	16.7	8.3
-45°	410.3	256.4	140.0	62.7	32.1	16.6	8.3
-47.5°	397.5	248.8	137.2	60.8	31.6	16.4	8.3
-50°	383.5	238.6	133.0	60.2	31.0	16.2	8.3
-52.5°	366.1	225.8	127.3	59.6	30.2	16.0	8.3
-55°	345.0	214.3	120.1	58.3	29.3	15.7	8.3
-57.5°	320.5	201.4	111.7	56.5	28.3	15.4	8.3
-60°	293.3	186.5	102.2	54.1	27.1	15.0	8.3
-62.5°	269.2	169.6	95.9	51.1	26.1	14.7	8.3
-65°	242.5	150.9	88.7	47.5	25.0	14.3	8.3
-67.5°	213.4	133.9	80.6	43.5	23.8	13.9	8.3
-70°	182.0	119.0	71.6	39.1	22.5	13.4	8.3
-72.5°	156.6	102.8	61.9	35.8	21.2	13.0	8.3
-75°	130.8	85.5	51.6	32.6	19.8	12.5	8.3
-77.5°	103.7	67.4	44.6	29.3	18.3	12.0	8.3
-80°	75.4	54.3	38.3	25.8	16.8	11.5	8.3
-82.5°	58.9	44.0	31.8	22.2	15.2	11.0	8.3
-85°	43.6	33.5	25.1	18.5	13.6	10.4	8.3
-87.5°	28.1	22.8	18.3	14.7	12.0	9.9	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

