

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: P701582 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-1S-VHE-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701582 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-80-1S-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

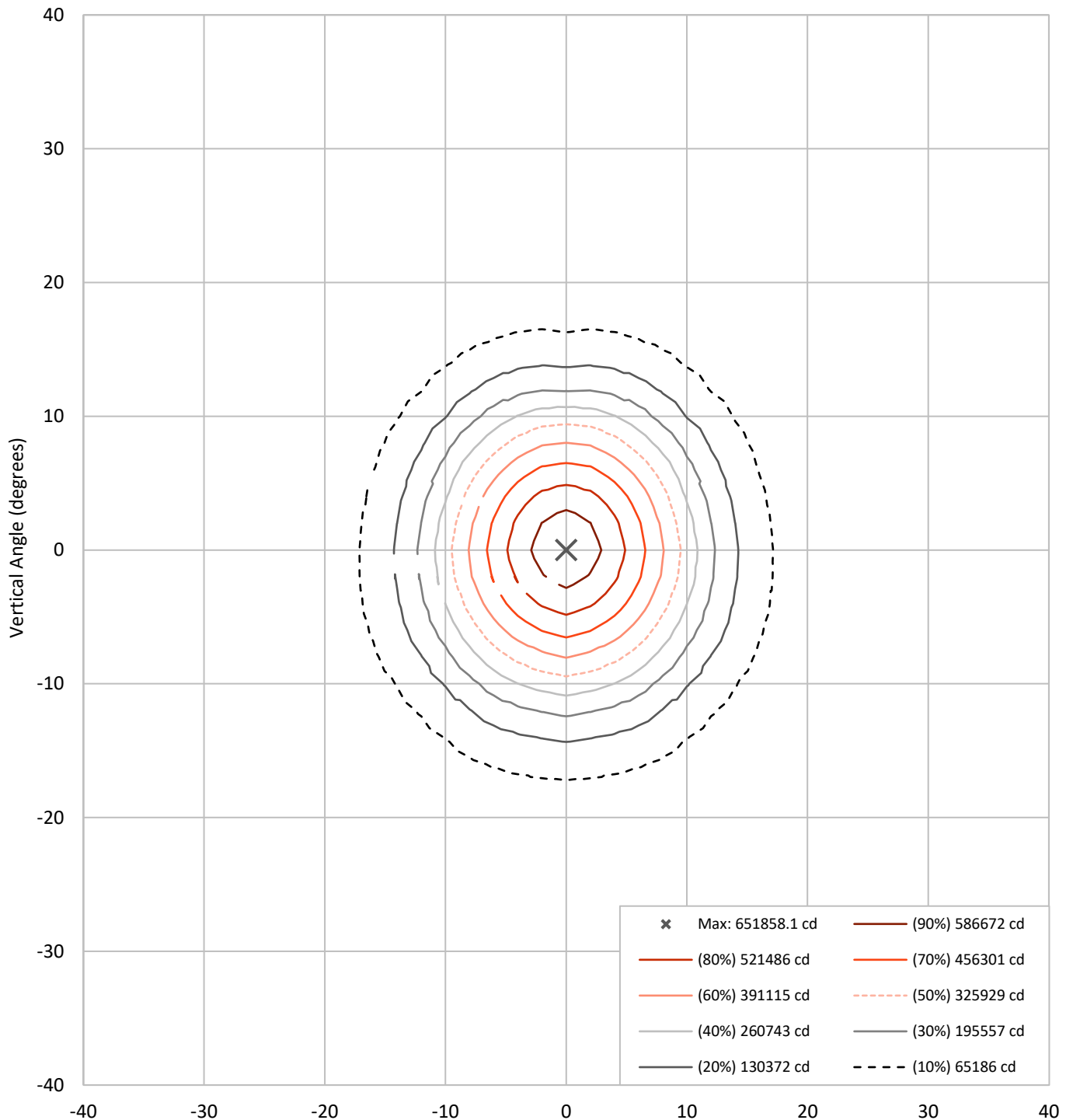
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	85921.2 lumens	Max Intensity:	651858.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	131.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 18.9°V	Field Angle (10%):	34°H x 33.3°V
Beam Lumens:	38087.4 lumens	Field Lumens:	69370.3 lumens
Beam Efficiency:	44.3%	Field Efficiency:	80.7%

Input Watts (W): 653.1
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





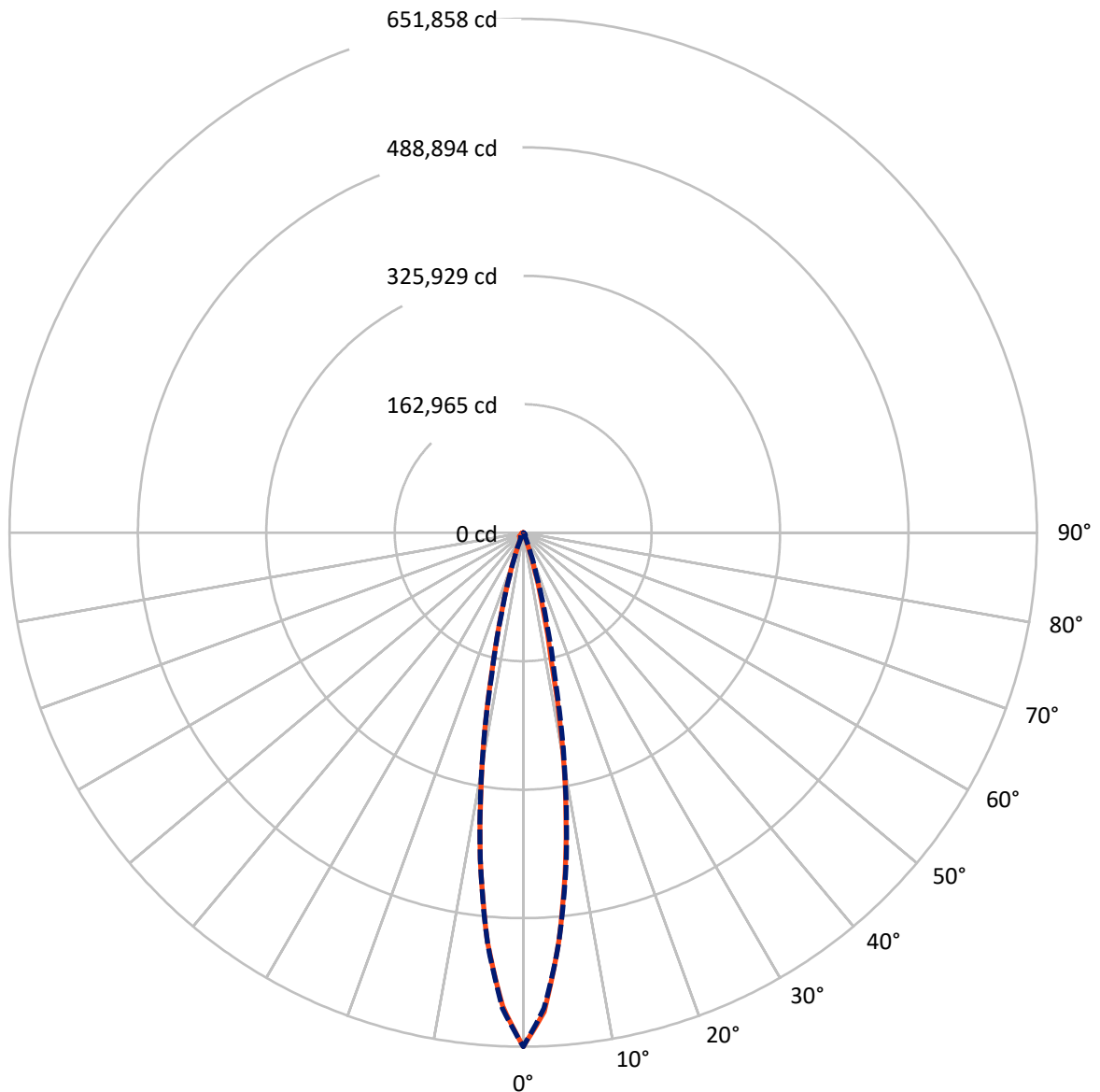
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Lumen Table

90	0.3	1.2	2.2	3.0	3.3	3.0	2.2	1.2	0.3										
80	0.3	1.2	2.2	3.0	3.3	3.0	2.2	1.2	0.3										
70	0.4	0.2	0.3	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.3	0.2	0.4			
60		0.5	1.0	1.1	1.0	0.9	1.2	1.3	1.3	1.2	0.9	1.0	1.1	1.0	0.5				
50	1.2	1.5	3.2	6.2	9.7	16.7	25.4	28.2	28.2	25.4	16.7	9.7	6.2	3.2	1.5	1.2			
40		3.3	9.2	16.7	35.2	57.5	64.4	67.5	67.5	64.4	57.5	35.2	16.7	9.2	3.3				
30	2.8	5.5	15.1	31.1	74.0	78.4	95.2	157.6	157.6	95.2	78.4	74.0	31.1	15.1	5.5	2.8			
20		7.5	19.5	55.3	98.0	115.6	720.0	2869.2	2869.2	720.0	115.6	98.0	55.3	19.5	7.5				
10	4.2	9.2	22.8	73.3	109.2	215.7	2909.1	12103.4	12103.4	2909.1	215.7	109.2	73.3	22.8	9.2	4.2			
0		10.3	25.6	78.2	121.5	241.2	3058.4	12045.1	12045.1	3058.4	241.2	121.5	78.2	25.6	10.3				
-10	4.8	10.7	27.4	77.2	134.6	165.9	849.1	3108.8	3108.8	849.1	165.9	134.6	77.2	27.4	10.7	4.8			
-20		10.3	27.7	59.7	137.1	167.9	183.2	284.5	284.5	183.2	167.9	137.1	59.7	27.7	10.3				
-30	4.6	9.3	25.9	47.6	100.5	168.8	189.6	191.8	191.8	189.6	168.8	100.5	47.6	25.9	9.3	4.6			
-40		7.7	21.2	41.7	62.2	94.1	139.4	173.8	173.8	139.4	94.1	62.2	41.7	21.2	7.7				
-50	3.9	6.0	15.4	30.4	48.4	63.1	73.5	80.3	80.3	73.5	63.1	48.4	30.4	15.4	6.0	3.9			
-60		4.8	10.1	18.5	29.3	39.3	47.9	53.7	53.7	47.9	39.3	29.3	18.5	10.1	4.8				
-70	2.7	18.1	43.3	68.0	81.2	68.0	43.3	18.1	2.7							2.7			
-80		18.1	43.3	68.0	81.2	68.0	43.3	18.1	2.7										
-90	2.7	18.1	43.3	68.0	81.2	68.0	43.3	18.1	2.7										

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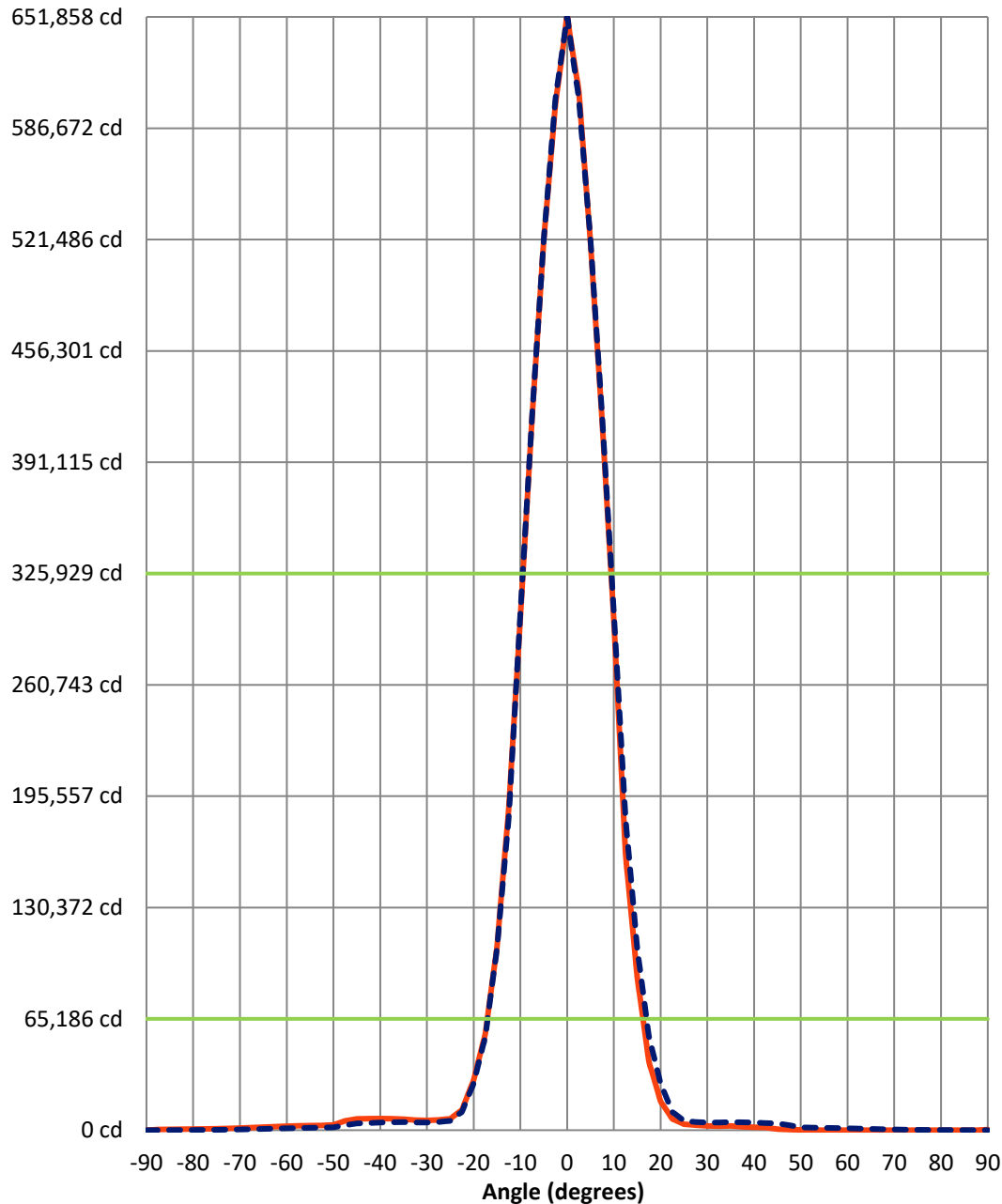
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 18.9°
 Lumens: 38087.4
 Efficiency: 44.3%

Field:
 H Angle: 34°
 V Angle: 33.3°
 Lumens: 69370.3
 Efficiency: 80.7%

Spill:
 Lumens: 16550.9
 Efficiency: 19.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	9.3	24.9	40.5	60.7	80.9	101.2	121.4	135.8	150.2	164.5	178.9
87.5°	9.3	8.0	6.5	6.5	6.5	6.4	6.2	6.2	6.2	6.2	6.2
85°	9.3	8.3	6.8	6.8	6.7	6.5	6.2	6.2	6.2	6.2	6.2
82.5°	9.3	8.6	7.0	7.1	7.0	6.7	6.2	6.2	6.2	6.3	6.2
80°	9.3	8.9	7.4	7.4	7.3	6.9	6.4	6.7	6.8	6.7	6.3
77.5°	9.3	9.2	7.7	7.7	7.6	7.4	7.2	7.4	7.4	7.0	6.5
75°	9.3	9.4	8.0	8.1	8.0	8.5	8.2	8.2	8.1	8.0	7.4
72.5°	9.3	9.7	8.4	8.4	9.2	9.6	9.2	9.2	9.6	9.3	8.4
70°	9.3	10.0	8.8	8.9	10.3	10.8	10.3	10.9	11.2	10.8	10.2
67.5°	9.3	10.4	9.2	9.9	11.5	12.0	12.4	12.6	12.9	13.3	12.3
65°	9.3	10.7	9.6	10.9	12.7	13.7	14.5	14.4	15.8	16.0	15.1
62.5°	9.3	11.0	10.1	12.0	13.9	16.0	16.8	17.1	18.8	19.2	19.1
60°	9.3	11.3	10.6	13.0	15.2	18.4	19.3	20.3	22.1	23.7	23.5
57.5°	9.3	11.6	11.6	14.1	17.3	20.9	23.1	23.8	26.5	28.5	31.1
55°	9.3	11.9	12.7	15.2	19.6	23.4	27.3	28.1	31.4	34.6	40.8
52.5°	9.3	12.3	13.8	16.2	21.9	26.3	31.7	34.0	36.5	45.1	51.4
50°	9.3	12.6	15.0	17.3	24.2	30.4	36.4	40.4	43.3	56.2	68.3
47.5°	9.3	12.9	16.2	18.6	26.5	34.7	41.5	47.4	54.2	68.0	87.0
45°	9.3	13.3	17.4	20.4	28.9	39.0	48.0	54.9	67.7	86.3	107.0
42.5°	9.3	13.6	18.7	22.2	31.3	43.5	54.8	65.4	81.8	105.6	136.8
40°	9.3	14.0	20.0	24.6	34.3	48.1	61.9	78.1	98.3	126.0	170.3
37.5°	9.3	14.3	21.3	27.3	37.9	52.7	69.3	91.1	118.8	152.3	205.9
35°	9.3	14.6	22.7	30.1	41.5	58.3	76.9	104.4	139.8	185.3	246.1
32.5°	9.3	15.0	24.0	33.0	45.0	64.3	85.6	117.8	161.2	217.7	287.9
30°	9.3	15.3	25.4	35.9	48.6	70.4	96.5	132.4	182.9	249.4	328.0
27.5°	9.3	15.6	26.8	38.8	53.6	76.4	107.4	150.2	206.6	280.2	366.2
25°	9.3	16.0	28.2	41.7	58.7	82.5	118.2	167.9	232.5	312.0	402.8
22.5°	9.3	16.3	29.5	44.7	63.9	88.9	128.8	185.3	257.5	343.0	443.0
20°	9.3	16.6	30.9	47.6	68.9	96.3	139.2	202.4	281.4	372.3	481.0
17.5°	9.3	16.9	32.3	50.5	73.9	103.4	149.6	219.0	304.2	399.7	516.7
15°	9.3	17.2	33.6	53.3	78.7	110.3	159.6	234.3	325.8	425.2	549.9
12.5°	9.3	17.5	34.9	56.1	83.4	116.9	169.1	247.7	345.4	448.7	580.5
10°	9.3	17.7	36.1	58.8	88.0	123.1	178.0	260.0	363.2	474.5	612.1
7.5°	9.3	18.0	37.3	61.4	92.4	129.0	186.2	271.1	379.8	499.6	648.9
5°	9.3	18.3	38.4	63.9	96.6	134.6	193.8	281.0	394.9	523.3	683.4
2.5°	9.3	18.5	39.5	66.3	100.5	139.9	200.7	289.7	408.4	545.2	715.1
0°	9.3	18.7	40.5	68.5	104.2	144.7	206.9	297.2	420.1	564.8	743.7
-2.5°	9.3	19.6	42.7	72.1	108.9	150.7	214.2	307.3	433.8	579.9	759.7
-5°	9.3	20.5	44.8	75.5	113.3	156.3	220.8	316.2	445.5	592.4	772.0
-7.5°	9.3	21.4	46.8	78.8	117.4	161.5	226.7	323.5	454.9	602.3	780.7
-10°	9.3	22.2	48.7	81.8	121.2	166.2	231.7	329.4	461.9	609.5	785.8
-12.5°	9.3	23.0	50.5	84.7	124.7	170.5	235.9	333.7	466.5	614.3	791.1
-15°	9.3	23.8	52.2	87.3	127.9	174.3	239.3	336.3	469.1	618.7	794.2
-17.5°	9.3	24.5	53.7	89.7	130.8	177.6	241.9	338.3	470.0	620.0	792.9
-20°	9.3	25.2	55.1	91.8	133.4	180.5	244.1	339.3	468.4	618.1	787.2



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	9.3	25.9	56.3	93.8	135.7	182.8	246.2	338.4	464.2	613.0	777.1
-25°	9.3	26.5	57.4	95.4	137.6	185.1	247.2	335.6	457.5	604.6	762.5
-27.5°	9.3	27.1	58.3	96.8	139.3	186.9	247.2	330.8	448.2	593.6	750.1
-30°	9.3	27.6	59.1	97.9	140.7	188.2	246.1	324.1	439.4	580.7	734.2
-32.5°	9.3	28.1	59.7	98.8	141.8	188.9	243.9	320.4	430.2	564.8	714.4
-35°	9.3	28.5	60.1	99.4	142.5	189.0	243.1	317.0	418.5	545.9	691.0
-37.5°	9.3	28.9	60.4	99.7	142.8	188.8	242.6	312.1	404.4	524.0	666.8
-40°	9.3	29.2	60.5	99.7	142.7	188.8	241.4	305.9	387.8	503.8	639.1
-42.5°	9.3	29.5	60.4	99.5	142.3	188.2	239.4	298.3	375.9	481.9	606.9
-45°	9.3	29.7	60.2	98.9	141.6	187.1	236.6	291.8	365.6	457.0	571.6
-47.5°	9.3	29.8	59.7	98.1	140.4	185.4	233.1	287.6	353.7	429.6	540.3
-50°	9.3	30.0	59.1	97.1	138.9	183.2	230.1	282.4	339.2	412.8	505.7
-52.5°	9.3	30.0	58.4	95.8	136.9	180.5	226.7	276.4	328.9	393.9	469.7
-55°	9.3	30.0	57.4	94.3	134.6	177.4	222.6	269.7	319.8	373.1	445.6
-57.5°	9.3	30.0	56.3	92.6	131.8	173.8	217.8	263.9	309.9	359.1	419.1
-60°	9.3	29.8	55.1	90.5	128.8	169.6	212.5	256.9	299.5	346.6	395.3
-62.5°	9.3	29.7	54.5	88.3	125.5	165.0	206.6	248.9	290.0	333.1	379.8
-65°	9.3	29.5	53.8	85.7	121.8	159.9	200.1	240.3	279.8	320.5	363.3
-67.5°	9.3	29.2	53.0	83.0	117.8	154.5	193.0	231.0	268.8	307.6	347.5
-70°	9.3	28.9	52.0	80.0	113.5	148.6	185.4	221.1	256.7	293.8	331.6
-72.5°	9.3	28.6	50.9	77.9	108.8	142.3	177.3	210.5	243.9	278.6	314.6
-75°	9.3	28.2	49.7	75.9	103.9	135.7	168.7	199.4	230.4	262.6	295.9
-77.5°	9.3	27.7	48.4	73.8	100.3	128.6	159.7	187.7	216.1	245.7	276.3
-80°	9.3	27.2	47.0	71.5	96.8	123.0	150.2	175.5	201.3	228.0	255.5
-82.5°	9.3	26.7	45.5	69.0	93.1	117.9	143.2	164.2	185.9	209.6	234.0
-85°	9.3	26.1	43.9	66.4	89.3	112.5	136.2	155.0	174.1	193.7	213.8
-87.5°	9.3	25.5	42.2	63.6	85.2	107.0	128.9	145.5	162.3	179.3	196.5
-90°	9.3	7.8	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-VHE-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	192.5	206.2	219.8	233.4	243.5	253.6	263.7	273.8	282.4	291.0	299.5
87.5°	5.8	5.5	5.1	4.7	4.7	4.7	4.7	4.7	4.3	3.9	3.5
85°	5.8	5.5	5.1	4.7	4.7	4.7	4.7	4.7	4.3	3.9	3.5
82.5°	5.9	5.5	5.1	4.7	4.7	4.7	4.7	4.7	4.4	4.2	4.0
80°	5.9	5.5	5.4	5.2	5.2	5.2	5.0	4.8	4.7	4.7	4.8
77.5°	6.4	6.3	6.2	6.1	5.9	5.7	5.5	5.5	5.5	5.4	5.2
75°	7.1	7.1	7.0	6.5	6.1	6.1	6.2	6.2	6.0	5.6	5.2
72.5°	8.1	8.1	7.6	6.8	6.5	6.7	6.6	6.4	6.8	7.7	8.5
70°	9.4	9.1	8.9	8.2	7.4	7.8	9.0	10.2	11.3	13.2	16.0
67.5°	11.0	11.4	11.1	10.3	10.2	11.7	13.1	18.0	23.5	26.5	27.7
65°	13.8	14.1	14.8	15.0	14.1	18.3	24.0	30.5	36.6	37.8	36.8
62.5°	17.2	18.9	20.2	21.4	23.0	27.4	33.9	40.4	47.0	45.1	38.9
60°	23.7	24.8	28.4	31.9	33.2	35.5	42.6	46.3	48.4	47.2	36.7
57.5°	31.9	33.7	39.7	43.9	45.1	42.4	45.1	47.4	47.1	41.6	31.8
55°	43.2	45.5	52.9	58.4	58.1	47.8	47.3	49.5	46.0	40.4	31.4
52.5°	59.6	60.9	69.1	75.0	72.9	62.3	54.8	58.3	57.7	50.5	42.9
50°	77.5	84.4	87.5	95.8	95.2	86.7	72.4	79.5	92.1	89.8	79.0
47.5°	103.1	112.0	112.3	122.3	126.9	134.4	122.2	137.4	156.0	194.0	181.8
45°	133.6	148.5	149.6	158.9	182.3	210.6	222.0	221.1	315.1	348.9	373.7
42.5°	167.4	191.2	201.3	200.6	276.1	319.1	343.4	421.1	492.5	514.1	525.7
40°	210.1	238.9	260.7	309.4	387.6	447.0	508.4	591.2	630.2	634.1	634.2
37.5°	257.1	298.9	334.0	417.0	516.8	582.8	659.0	694.6	721.7	723.2	753.8
35°	307.3	363.6	428.7	521.2	631.1	706.0	750.1	782.3	797.1	830.9	979.7
32.5°	365.1	432.8	517.8	620.9	725.8	802.1	828.4	856.2	892.1	992.6	1429.4
30°	423.2	510.8	602.5	713.4	819.8	873.5	901.3	936.2	992.5	1384.6	1989.8
27.5°	472.5	583.9	683.9	799.6	908.2	945.4	977.5	1029.8	1269.2	1819.2	2660.1
25°	519.7	641.9	759.2	884.6	974.6	1015.7	1056.0	1127.0	1594.1	2465.8	3039.7
22.5°	567.0	700.6	827.6	968.7	1040.6	1083.3	1145.3	1410.4	2063.9	3111.7	3381.6
20°	615.4	759.2	895.4	1036.7	1104.2	1148.5	1233.8	1731.4	2637.9	3387.4	3637.4
17.5°	663.0	815.7	959.2	1084.6	1154.6	1217.3	1352.4	2054.2	3154.7	3659.4	3833.4
15°	709.2	869.8	1017.2	1130.9	1204.8	1291.4	1631.0	2483.6	3489.9	3903.5	4068.8
12.5°	753.4	921.0	1069.5	1175.4	1255.0	1365.0	1922.6	2908.1	3714.3	4095.8	4254.0
10°	795.2	969.1	1116.5	1217.9	1304.6	1436.9	2216.6	3266.5	3899.5	4225.7	4346.4
7.5°	834.7	1010.7	1158.6	1258.0	1353.0	1506.1	2501.8	3562.1	4045.7	4336.0	4410.3
5°	869.3	1044.6	1197.4	1301.3	1401.6	1567.4	2745.9	3798.7	4159.0	4427.7	4476.1
2.5°	899.0	1073.8	1232.4	1343.0	1448.6	1616.3	2863.9	3894.6	4173.4	4468.2	4544.6
0°	924.2	1098.5	1263.4	1381.7	1492.2	1658.6	2931.4	3944.3	4155.9	4479.6	4616.5
-2.5°	944.8	1132.1	1307.6	1422.5	1533.9	1698.7	2926.5	3982.7	4199.7	4582.6	4892.5
-5°	961.1	1160.4	1346.5	1460.3	1572.1	1733.0	2874.0	3971.7	4259.3	4673.7	5062.6
-7.5°	972.7	1182.5	1379.3	1495.9	1609.6	1772.2	2836.4	4019.3	4432.9	4782.0	5131.5
-10°	980.5	1197.1	1399.3	1529.1	1647.5	1811.0	2755.6	3999.4	4595.2	4890.4	5197.7
-12.5°	989.5	1205.3	1412.2	1558.0	1680.6	1841.5	2613.0	3903.9	4745.5	5007.3	5262.4
-15°	993.1	1208.1	1418.9	1582.4	1708.4	1863.3	2406.0	3727.0	4845.9	5071.0	5303.9
-17.5°	991.4	1205.4	1419.5	1601.9	1730.7	1875.9	2132.5	3399.4	4688.1	5096.0	5342.3
-20°	984.2	1197.4	1413.9	1616.2	1747.5	1891.5	2088.5	3022.9	4257.3	5077.2	5370.0



REPORT NUMBER: P701582 (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°
-22.5°	971.3	1184.1	1400.7	1608.2	1766.1	1911.4	2090.6	2632.4	3749.0	5014.0	5372.1
-25°	954.7	1165.4	1380.4	1599.5	1782.6	1924.8	2084.2	2291.3	3245.6	4467.0	5318.4
-27.5°	934.5	1140.1	1360.5	1583.0	1795.8	1933.6	2085.8	2275.1	2801.7	3835.2	5113.9
-30°	909.2	1111.8	1332.5	1557.4	1777.3	1942.9	2086.2	2237.7	2432.0	3265.2	4367.4
-32.5°	880.6	1077.4	1295.8	1519.4	1742.9	1949.1	2074.1	2211.3	2378.4	2677.7	3619.2
-35°	851.7	1042.0	1250.8	1472.5	1699.4	1911.9	2063.8	2186.6	2323.6	2505.6	2935.5
-37.5°	823.6	1000.6	1198.2	1416.3	1638.9	1845.1	2044.7	2166.1	2291.6	2419.7	2598.5
-40°	790.5	953.3	1144.5	1350.9	1560.2	1765.8	1963.9	2145.2	2260.5	2371.5	2487.4
-42.5°	752.7	911.2	1086.5	1275.2	1472.8	1672.5	1873.7	2064.3	2226.2	2325.5	2431.2
-45°	711.9	863.7	1024.3	1198.2	1377.7	1570.7	1764.6	1958.9	2132.0	2286.7	2381.2
-47.5°	665.9	811.2	964.9	1115.2	1282.5	1460.1	1646.9	1829.7	2008.0	2172.5	2333.3
-50°	618.2	754.2	896.0	1036.3	1185.7	1348.0	1519.7	1692.8	1863.9	2031.3	2189.4
-52.5°	575.6	691.7	822.6	956.0	1091.8	1236.4	1389.1	1545.7	1709.7	1872.5	2019.4
-55°	529.6	635.4	744.6	870.4	999.4	1129.5	1257.0	1398.3	1544.7	1698.0	1835.3
-57.5°	492.4	577.2	673.0	779.6	900.6	1022.9	1135.2	1248.8	1379.1	1515.1	1634.4
-60°	459.5	526.4	604.3	696.8	796.1	906.6	1012.4	1117.3	1222.5	1326.3	1439.0
-62.5°	427.6	485.7	546.8	616.9	704.7	789.6	882.8	979.8	1076.7	1169.8	1260.0
-65°	408.2	448.8	500.8	558.1	615.4	689.3	764.7	839.2	924.8	1009.0	1091.4
-67.5°	387.4	425.7	464.4	506.7	559.3	607.8	656.1	723.5	790.1	853.3	918.1
-70°	367.9	402.0	437.9	474.5	509.9	545.8	589.9	633.7	676.6	723.0	778.7
-72.5°	347.9	379.4	411.6	444.5	476.4	506.2	536.0	566.0	601.0	638.8	675.6
-75°	326.4	355.9	385.4	415.4	443.1	469.4	496.2	523.3	549.9	576.2	602.7
-77.5°	303.5	330.1	357.3	384.9	409.4	432.6	456.2	479.9	503.3	526.3	549.2
-80°	279.7	303.7	327.9	352.3	373.5	394.0	414.7	435.5	456.0	476.3	496.4
-82.5°	254.9	275.9	297.1	318.6	336.7	354.3	371.9	389.6	406.9	424.1	441.4
-85°	230.8	247.6	265.7	283.9	299.1	314.1	329.1	344.0	358.4	372.7	387.0
-87.5°	211.8	227.0	242.2	257.3	269.2	281.0	292.8	304.5	315.6	326.6	337.7
-90°	5.8	5.5	5.1	4.7	4.7	4.7	4.7	4.7	4.3	3.9	3.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	308.1	313.9	319.8	325.6	331.4	336.5	341.5	346.6	351.6	354.7	357.9
87.5°	3.1	3.0	3.0	3.0	3.0	2.6	2.3	2.0	1.6	1.6	1.6
85°	3.1	3.1	3.1	3.1	3.1	2.7	2.4	2.0	1.6	1.6	1.6
82.5°	3.8	3.8	3.6	3.4	3.1	3.0	3.0	2.9	2.9	3.0	3.0
80°	4.7	4.4	4.0	3.6	3.2	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	4.8	4.4	4.0	3.6	3.2	3.1	3.1	3.1	3.1	3.1	3.1
75°	4.8	4.7	4.9	4.9	4.6	4.6	4.6	4.6	4.4	4.2	3.9
72.5°	9.3	9.6	9.5	9.8	9.8	10.1	10.5	10.7	10.7	10.8	10.9
70°	17.5	18.1	18.5	18.3	17.3	16.4	15.9	15.5	15.0	15.3	16.3
67.5°	26.7	24.8	23.9	22.5	20.1	17.9	16.7	15.3	13.9	13.2	13.0
65°	33.0	26.1	22.7	20.1	18.1	15.7	13.6	11.7	10.0	9.0	8.5
62.5°	31.4	22.4	17.7	14.9	12.4	10.3	8.5	7.2	6.2	5.7	5.7
60°	26.8	17.5	12.3	9.9	7.5	5.0	4.6	4.4	4.0	3.7	4.0
57.5°	23.9	15.7	9.6	9.4	8.1	5.9	5.1	5.1	4.3	3.1	3.6
55°	26.7	22.6	15.7	16.1	15.7	13.2	11.3	13.5	13.0	10.1	11.1
52.5°	40.1	46.0	37.5	34.8	47.5	47.1	36.8	50.3	57.7	56.5	57.6
50°	94.3	106.5	119.4	109.4	134.2	149.1	145.8	163.4	181.4	181.0	186.6
47.5°	223.3	257.0	260.7	267.5	295.9	332.0	361.4	382.1	392.7	388.3	391.4
45°	399.7	407.3	424.7	463.4	511.7	570.0	614.4	640.1	726.9	788.5	824.6
42.5°	529.8	553.5	596.2	698.3	773.0	944.9	1152.7	1233.3	1335.5	1387.2	1390.5
40°	660.2	720.5	897.3	1083.1	1486.6	1786.7	1804.6	1931.8	1990.4	1925.8	1916.2
37.5°	875.8	1099.6	1403.3	1832.7	2020.4	2102.0	2146.8	2163.0	2174.8	2164.0	2158.5
35°	1300.4	1689.8	1987.9	2127.9	2212.7	2215.4	2225.8	2224.4	2210.6	2203.3	2187.8
32.5°	1926.7	2298.1	2307.2	2296.4	2314.0	2303.9	2284.5	2275.5	2245.4	2227.2	2233.4
30°	2572.6	2574.7	2538.0	2452.9	2410.4	2397.4	2369.2	2346.0	2317.4	2321.6	2421.0
27.5°	2828.8	2797.4	2746.2	2672.8	2530.1	2502.1	2479.5	2469.7	2589.2	2698.3	2795.6
25°	3115.6	3034.2	3006.1	2942.0	2795.3	2632.9	2704.4	2816.6	2972.8	3135.4	3292.2
22.5°	3363.5	3304.8	3286.7	3262.9	3023.4	2953.5	3051.5	3236.2	3449.5	3731.9	4538.5
20°	3607.9	3544.5	3523.6	3404.2	3278.6	3296.0	3478.0	3800.2	4396.7	6539.9	9157.2
17.5°	3813.3	3747.6	3676.6	3537.2	3497.3	3672.0	4036.1	5167.8	7983.2	15018.2	22168.4
15°	4004.7	3918.4	3797.7	3706.3	3781.9	4107.2	5009.1	8864.9	17984.4	29792.7	44680.9
12.5°	4174.8	4042.7	3873.8	3826.3	4056.4	4604.3	8142.0	17395.2	31345.0	48167.4	83119.4
10°	4293.2	4122.0	3974.7	4056.6	4422.3	5893.0	11716.6	26079.4	46716.7	84342.4	127856.6
7.5°	4344.0	4189.1	4103.4	4279.2	4767.6	7567.9	17638.0	36068.0	65982.1	116575.6	186003.5
5°	4401.7	4294.8	4247.0	4499.7	5100.2	8932.6	21896.5	44473.7	86584.1	146849.3	236255.0
2.5°	4518.2	4416.4	4383.1	4693.1	5391.1	10204.9	25224.4	51008.7	100233.3	172111.0	280848.8
0°	4723.8	4512.2	4485.8	4789.2	5508.0	10784.2	27408.0	54949.7	106725.3	182919.9	302789.8
-2.5°	4887.1	4635.0	4584.6	4855.3	5559.6	10500.4	27186.5	54813.9	104076.7	179307.3	288856.3
-5°	5029.6	4776.7	4707.2	4958.6	5672.6	10489.9	25746.2	50294.9	93129.6	157560.4	243436.3
-7.5°	5156.4	4937.7	4834.8	5034.9	5687.5	9393.9	20824.4	41408.5	74440.9	123014.4	188417.0
-10°	5290.0	5122.1	4981.9	5115.7	5624.3	7474.3	13931.4	29848.9	53013.7	89208.6	134086.9
-12.5°	5442.8	5358.2	5152.1	5171.5	5538.8	6307.2	10296.6	20838.9	36805.4	56195.6	88726.3
-15°	5572.4	5568.6	5396.1	5341.2	5523.7	6016.5	7183.7	11572.4	22326.0	36123.7	52216.0
-17.5°	5599.5	5737.3	5671.3	5503.6	5514.4	5790.6	6271.7	7668.9	11214.5	19876.1	29450.9
-20°	5616.9	5911.5	5918.4	5782.3	5662.9	5632.1	5852.0	6259.5	7051.8	9978.8	13831.5



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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°	5643.5	5923.5	6122.7	6085.0	5850.8	5713.8	5664.5	5818.9	6087.0	6464.7	7714.7
-25°	5656.1	5917.5	6202.6	6280.8	6182.5	5931.8	5744.3	5639.5	5734.4	5854.3	6098.8
-27.5°	5602.2	5908.1	6184.5	6416.2	6444.4	6280.5	6004.8	5781.2	5694.2	5611.9	5712.6
-30°	5512.6	5854.2	6143.3	6428.3	6542.4	6489.9	6345.6	6164.1	5952.3	5787.5	5729.6
-32.5°	4778.7	5773.7	6069.7	6316.8	6504.9	6558.6	6560.2	6462.9	6372.3	6245.3	6096.5
-35°	3937.0	5040.8	6004.2	6128.5	6301.0	6479.0	6611.3	6615.8	6605.2	6544.9	6482.3
-37.5°	3060.5	4089.1	5015.5	5757.1	6018.0	6227.6	6454.0	6607.0	6703.1	6685.8	6674.3
-40°	2664.5	2988.7	3855.4	4611.4	5245.7	5842.4	6087.8	6362.7	6583.9	6660.8	6712.7
-42.5°	2542.1	2680.9	2822.0	3394.9	4048.3	4623.0	5163.5	5678.9	6139.2	6399.9	6581.4
-45°	2475.1	2552.3	2638.7	2766.3	2876.6	3352.5	3836.8	4307.1	4881.3	5409.8	5868.1
-47.5°	2413.1	2473.4	2540.3	2606.0	2667.2	2753.6	2828.6	2962.1	3392.1	3825.7	4260.8
-50°	2313.1	2412.9	2468.3	2517.3	2560.6	2600.8	2635.4	2695.8	2767.2	2829.4	2892.3
-52.5°	2146.1	2258.4	2365.0	2445.8	2479.7	2513.0	2547.1	2592.8	2635.1	2673.7	2703.5
-55°	1958.8	2072.5	2180.0	2261.8	2335.3	2402.9	2463.2	2503.6	2543.1	2581.1	2610.0
-57.5°	1752.9	1868.7	1973.9	2052.3	2125.8	2193.9	2260.3	2324.0	2382.4	2435.0	2479.7
-60°	1544.3	1642.1	1737.1	1820.1	1895.8	1964.1	2029.7	2092.4	2149.8	2201.4	2246.3
-62.5°	1348.5	1439.0	1514.2	1582.1	1647.3	1710.3	1776.6	1837.7	1893.2	1943.9	1990.5
-65°	1171.9	1250.0	1306.8	1359.9	1410.2	1464.3	1522.7	1576.5	1625.5	1671.0	1713.1
-67.5°	990.2	1057.9	1107.8	1153.8	1196.7	1239.8	1286.5	1329.9	1370.0	1408.3	1444.2
-70°	832.5	879.7	914.5	949.8	987.9	1026.7	1066.9	1103.5	1136.5	1167.8	1196.7
-72.5°	711.3	740.3	764.7	794.8	822.0	851.0	880.8	908.4	933.7	958.3	981.3
-75°	629.2	650.5	670.4	689.1	706.5	727.2	748.7	769.1	788.2	806.1	823.1
-77.5°	572.1	588.7	602.4	615.4	627.7	643.8	660.6	677.1	693.0	706.5	719.0
-80°	516.4	529.7	541.3	552.6	563.5	577.4	591.5	605.3	618.7	630.9	642.6
-82.5°	458.5	469.4	479.3	488.9	498.2	510.0	521.7	533.0	544.0	554.1	563.9
-85°	401.1	409.3	417.1	424.7	432.0	441.5	451.0	460.3	469.4	476.0	482.3
-87.5°	348.8	354.9	360.8	366.6	372.2	379.2	386.0	392.9	399.7	404.1	408.4
-90°	3.1	2.7	2.4	2.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P701582 (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°
90°	361.0	364.1	363.3	362.5	363.3	364.1	361.0	357.9	354.7	351.6	346.6
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.9
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	3.5	3.1	3.1	3.1	3.1	3.1	3.5	3.9	4.2	4.4	4.6
72.5°	10.8	10.7	10.8	10.9	10.8	10.7	10.8	10.9	10.8	10.7	10.7
70°	17.3	18.4	18.6	18.7	18.6	18.4	17.3	16.3	15.3	15.0	15.5
67.5°	12.8	12.6	11.8	10.9	11.8	12.6	12.8	13.0	13.2	13.9	15.3
65°	8.2	8.0	7.8	7.8	7.8	8.0	8.2	8.5	9.0	10.0	11.7
62.5°	5.9	6.2	6.2	6.2	6.2	6.2	5.9	5.7	5.7	6.2	7.2
60°	4.3	4.7	4.7	4.7	4.7	4.7	4.3	4.0	3.7	4.0	4.4
57.5°	4.1	4.6	4.7	4.7	4.7	4.6	4.1	3.6	3.1	4.3	5.1
55°	11.8	12.1	11.7	10.9	11.7	12.1	11.8	11.1	10.1	13.0	13.5
52.5°	56.7	52.3	45.5	37.3	45.5	52.3	56.7	57.6	56.5	57.7	50.3
50°	197.5	202.8	198.1	183.6	198.1	202.8	197.5	186.6	181.0	181.4	163.4
47.5°	406.7	411.1	397.0	364.1	397.0	411.1	406.7	391.4	388.3	392.7	382.1
45°	851.4	844.8	771.6	619.3	771.6	844.8	851.4	824.6	788.5	726.9	640.1
42.5°	1468.4	1533.8	1572.4	1573.1	1572.4	1533.8	1468.4	1390.5	1387.2	1335.5	1233.3
40°	1900.5	1823.8	1740.1	1727.1	1740.1	1823.8	1900.5	1916.2	1925.8	1990.4	1931.8
37.5°	2145.3	2161.5	2152.2	1971.4	2152.2	2161.5	2145.3	2158.5	2164.0	2174.8	2163.0
35°	2223.4	2344.9	2470.1	2495.7	2470.1	2344.9	2223.4	2187.8	2203.3	2210.6	2224.4
32.5°	2261.1	2302.8	2314.1	2318.4	2314.1	2302.8	2261.1	2233.4	2227.2	2245.4	2275.5
30°	2466.8	2494.0	2490.1	2484.8	2490.1	2494.0	2466.8	2421.0	2321.6	2317.4	2346.0
27.5°	2841.6	2886.6	2906.8	2920.5	2906.8	2886.6	2841.6	2795.6	2698.3	2589.2	2469.7
25°	3377.9	3446.8	3494.1	3514.9	3494.1	3446.8	3377.9	3292.2	3135.4	2972.8	2816.6
22.5°	5470.1	5947.4	6419.8	6664.1	6419.8	5947.4	5470.1	4538.5	3731.9	3449.5	3236.2
20°	13655.6	15718.0	16659.9	16934.9	16659.9	15718.0	13655.6	9157.2	6539.9	4396.7	3800.2
17.5°	31800.9	39618.9	44848.0	40266.3	44848.0	39618.9	31800.9	22168.4	15018.2	7983.2	5167.8
15°	65089.3	84889.4	95969.0	89734.4	95969.0	84889.4	65089.3	44680.9	29792.7	17984.4	8864.9
12.5°	117272.1	148173.3	168927.6	162083.5	168927.6	148173.3	117272.1	83119.4	48167.4	31345.0	17395.2
10°	184583.7	246721.2	288096.1	298324.3	288096.1	246721.2	184583.7	127856.6	84342.4	46716.7	26079.4
7.5°	267866.3	344800.9	405529.2	414928.3	405529.2	344800.9	267866.3	186003.5	116575.6	65982.1	36068.0
5°	349341.3	440152.6	503339.2	519742.9	503339.2	440152.6	349341.3	236255.0	146849.3	86584.1	44473.7
2.5°	399910.4	498751.4	574862.9	608388.2	574862.9	498751.4	399910.4	280848.8	172111.0	100233.3	51008.7
0°	417960.1	521186.8	603767.8	651858.1	603767.8	521186.8	417960.1	302789.8	182919.9	106725.3	54949.7
-2.5°	403965.9	497447.4	567160.5	600591.3	567160.5	497447.4	403965.9	288856.3	179307.3	104076.7	54813.9
-5°	344064.9	436945.4	493665.2	520897.4	493665.2	436945.4	344064.9	243436.3	157560.4	93129.6	50294.9
-7.5°	268856.1	343195.7	392174.4	416949.4	392174.4	343195.7	268856.1	188417.0	123014.4	74440.9	41408.5
-10°	188118.5	247097.2	280112.8	300328.3	280112.8	247097.2	188118.5	134086.9	89208.6	53013.7	29848.9
-12.5°	122399.1	156728.3	175219.2	188171.2	175219.2	156728.3	122399.1	88726.3	56195.6	36805.4	20838.9
-15°	74303.6	91034.1	101073.2	107366.4	101073.2	91034.1	74303.6	52216.0	36123.7	22326.0	11572.4
-17.5°	41471.8	48657.8	53746.1	56561.7	53746.1	48657.8	41471.8	29450.9	19876.1	11214.5	7668.9
-20°	20578.4	25124.3	28110.3	29363.8	28110.3	25124.3	20578.4	13831.5	9978.8	7051.8	6259.5



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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°	9497.0	10711.4	11515.3	11898.3	11515.3	10711.4	9497.0	7714.7	6464.7	6087.0	5818.9
-25°	6336.5	6527.0	6667.0	6727.9	6667.0	6527.0	6336.5	6098.8	5854.3	5734.4	5639.5
-27.5°	5803.8	5904.8	5988.5	6021.5	5988.5	5904.8	5803.8	5712.6	5611.9	5694.2	5781.2
-30°	5685.2	5689.6	5713.3	5713.4	5713.3	5689.6	5685.2	5729.6	5787.5	5952.3	6164.1
-32.5°	5984.0	5918.4	5889.8	5920.4	5889.8	5918.4	5984.0	6096.5	6245.3	6372.3	6462.9
-35°	6440.4	6422.7	6424.1	6457.2	6424.1	6422.7	6440.4	6482.3	6544.9	6605.2	6615.8
-37.5°	6677.2	6691.1	6706.9	6710.8	6706.9	6691.1	6677.2	6674.3	6685.8	6703.1	6607.0
-40°	6742.9	6770.1	6790.7	6797.9	6790.7	6770.1	6742.9	6712.7	6660.8	6583.9	6362.7
-42.5°	6661.5	6715.7	6744.4	6751.2	6744.4	6715.7	6661.5	6581.4	6399.9	6139.2	5678.9
-45°	6201.0	6442.5	6579.1	6615.9	6579.1	6442.5	6201.0	5868.1	5409.8	4881.3	4307.1
-47.5°	4684.1	5063.2	5327.0	5448.9	5327.0	5063.2	4684.1	4260.8	3825.7	3392.1	2962.1
-50°	2958.2	3020.7	3067.3	3096.3	3067.3	3020.7	2958.2	2892.3	2829.4	2767.2	2695.8
-52.5°	2729.2	2752.2	2765.5	2771.1	2765.5	2752.2	2729.2	2703.5	2673.7	2635.1	2592.8
-55°	2634.8	2656.1	2665.4	2666.9	2665.4	2656.1	2634.8	2610.0	2581.1	2543.1	2503.6
-57.5°	2518.4	2550.8	2565.0	2567.3	2565.0	2550.8	2518.4	2479.7	2435.0	2382.4	2324.0
-60°	2284.4	2315.7	2331.1	2337.0	2331.1	2315.7	2284.4	2246.3	2201.4	2149.8	2092.4
-62.5°	2030.8	2064.9	2075.3	2074.1	2075.3	2064.9	2030.8	1990.5	1943.9	1893.2	1837.7
-65°	1749.8	1781.0	1790.0	1789.3	1790.0	1781.0	1749.8	1713.1	1671.0	1625.5	1576.5
-67.5°	1476.1	1503.6	1513.1	1515.5	1513.1	1503.6	1476.1	1444.2	1408.3	1370.0	1329.9
-70°	1222.0	1243.8	1249.3	1249.4	1249.3	1243.8	1222.0	1196.7	1167.8	1136.5	1103.5
-72.5°	1002.3	1021.0	1024.3	1023.8	1024.3	1021.0	1002.3	981.3	958.3	933.7	908.4
-75°	839.0	853.9	854.4	852.7	854.4	853.9	839.0	823.1	806.1	788.2	769.1
-77.5°	730.8	741.8	744.1	745.3	744.1	741.8	730.8	719.0	706.5	693.0	677.1
-80°	653.8	664.4	664.1	662.8	664.1	664.4	653.8	642.6	630.9	618.7	605.3
-82.5°	573.3	582.3	582.5	581.9	582.5	582.3	573.3	563.9	554.1	544.0	533.0
-85°	488.4	494.2	493.9	493.2	493.9	494.2	488.4	482.3	476.0	469.4	460.3
-87.5°	412.6	416.8	416.9	417.0	416.9	416.8	412.6	408.4	404.1	399.7	392.9
-90°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	341.5	336.5	331.4	325.6	319.8	313.9	308.1	299.5	291.0	282.4	273.8
87.5°	2.3	2.6	3.0	3.0	3.0	3.0	3.1	3.5	3.9	4.3	4.7
85°	2.4	2.7	3.1	3.1	3.1	3.1	3.1	3.5	3.9	4.3	4.7
82.5°	3.0	3.0	3.1	3.4	3.6	3.8	3.8	4.0	4.2	4.4	4.7
80°	3.1	3.1	3.2	3.6	4.0	4.4	4.7	4.8	4.7	4.7	4.8
77.5°	3.1	3.1	3.2	3.6	4.0	4.4	4.8	5.2	5.4	5.5	5.5
75°	4.6	4.6	4.6	4.9	4.9	4.7	4.8	5.2	5.6	6.0	6.2
72.5°	10.5	10.1	9.8	9.8	9.5	9.6	9.3	8.5	7.7	6.8	6.4
70°	15.9	16.4	17.3	18.3	18.5	18.1	17.5	16.0	13.2	11.3	10.2
67.5°	16.7	17.9	20.1	22.5	23.9	24.8	26.7	27.7	26.5	23.5	18.0
65°	13.6	15.7	18.1	20.1	22.7	26.1	33.0	36.8	37.8	36.6	30.5
62.5°	8.5	10.3	12.4	14.9	17.7	22.4	31.4	38.9	45.1	47.0	40.4
60°	4.6	5.0	7.5	9.9	12.3	17.5	26.8	36.7	47.2	48.4	46.3
57.5°	5.1	5.9	8.1	9.4	9.6	15.7	23.9	31.8	41.6	47.1	47.4
55°	11.3	13.2	15.7	16.1	15.7	22.6	26.7	31.4	40.4	46.0	49.5
52.5°	36.8	47.1	47.5	34.8	37.5	46.0	40.1	42.9	50.5	57.7	58.3
50°	145.8	149.1	134.2	109.4	119.4	106.5	94.3	79.0	89.8	92.1	79.5
47.5°	361.4	332.0	295.9	267.5	260.7	257.0	223.3	181.8	194.0	156.0	137.4
45°	614.4	570.0	511.7	463.4	424.7	407.3	399.7	373.7	348.9	315.1	221.1
42.5°	1152.7	944.9	773.0	698.3	596.2	553.5	529.8	525.7	514.1	492.5	421.1
40°	1804.6	1786.7	1486.6	1083.1	897.3	720.5	660.2	634.2	634.1	630.2	591.2
37.5°	2146.8	2102.0	2020.4	1832.7	1403.3	1099.6	875.8	753.8	723.2	721.7	694.6
35°	2225.8	2215.4	2212.7	2127.9	1987.9	1689.8	1300.4	979.7	830.9	797.1	782.3
32.5°	2284.5	2303.9	2314.0	2296.4	2307.2	2298.1	1926.7	1429.4	992.6	892.1	856.2
30°	2369.2	2397.4	2410.4	2452.9	2538.0	2574.7	2572.6	1989.8	1384.6	992.5	936.2
27.5°	2479.5	2502.1	2530.1	2672.8	2746.2	2797.4	2828.8	2660.1	1819.2	1269.2	1029.8
25°	2704.4	2632.9	2795.3	2942.0	3006.1	3034.2	3115.6	3039.7	2465.8	1594.1	1127.0
22.5°	3051.5	2953.5	3023.4	3262.9	3286.7	3304.8	3363.5	3381.6	3111.7	2063.9	1410.4
20°	3478.0	3296.0	3278.6	3404.2	3523.6	3544.5	3607.9	3637.4	3387.4	2637.9	1731.4
17.5°	4036.1	3672.0	3497.3	3537.2	3676.6	3747.6	3813.3	3833.4	3659.4	3154.7	2054.2
15°	5009.1	4107.2	3781.9	3706.3	3797.7	3918.4	4004.7	4068.8	3903.5	3489.9	2483.6
12.5°	8142.0	4604.3	4056.4	3826.3	3873.8	4042.7	4174.8	4254.0	4095.8	3714.3	2908.1
10°	11716.6	5893.0	4422.3	4056.6	3974.7	4122.0	4293.2	4346.4	4225.7	3899.5	3266.5
7.5°	17638.0	7567.9	4767.6	4279.2	4103.4	4189.1	4344.0	4410.3	4336.0	4045.7	3562.1
5°	21896.5	8932.6	5100.2	4499.7	4247.0	4294.8	4401.7	4476.1	4427.7	4159.0	3798.7
2.5°	25224.4	10204.9	5391.1	4693.1	4383.1	4416.4	4518.2	4544.6	4468.2	4173.4	3894.6
0°	27408.0	10784.2	5508.0	4789.2	4485.8	4512.2	4723.8	4616.5	4479.6	4155.9	3944.3
-2.5°	27186.5	10500.4	5559.6	4855.3	4584.6	4635.0	4887.1	4892.5	4582.6	4199.7	3982.7
-5°	25746.2	10489.9	5672.6	4958.6	4707.2	4776.7	5029.6	5062.6	4673.7	4259.3	3971.7
-7.5°	20824.4	9393.9	5687.5	5034.9	4834.8	4937.7	5156.4	5131.5	4782.0	4432.9	4019.3
-10°	13931.4	7474.3	5624.3	5115.7	4981.9	5122.1	5290.0	5197.7	4890.4	4595.2	3999.4
-12.5°	10296.6	6307.2	5538.8	5171.5	5152.1	5358.2	5442.8	5262.4	5007.3	4745.5	3903.9
-15°	7183.7	6016.5	5523.7	5341.2	5396.1	5568.6	5572.4	5303.9	5071.0	4845.9	3727.0
-17.5°	6271.7	5790.6	5514.4	5503.6	5671.3	5737.3	5599.5	5342.3	5096.0	4688.1	3399.4
-20°	5852.0	5632.1	5662.9	5782.3	5918.4	5911.5	5616.9	5370.0	5077.2	4257.3	3022.9



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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°	5664.5	5713.8	5850.8	6085.0	6122.7	5923.5	5643.5	5372.1	5014.0	3749.0	2632.4
-25°	5744.3	5931.8	6182.5	6280.8	6202.6	5917.5	5656.1	5318.4	4467.0	3245.6	2291.3
-27.5°	6004.8	6280.5	6444.4	6416.2	6184.5	5908.1	5602.2	5113.9	3835.2	2801.7	2275.1
-30°	6345.6	6489.9	6542.4	6428.3	6143.3	5854.2	5512.6	4367.4	3265.2	2432.0	2237.7
-32.5°	6560.2	6558.6	6504.9	6316.8	6069.7	5773.7	4778.7	3619.2	2677.7	2378.4	2211.3
-35°	6611.3	6479.0	6301.0	6128.5	6004.2	5040.8	3937.0	2935.5	2505.6	2323.6	2186.6
-37.5°	6454.0	6227.6	6018.0	5757.1	5015.5	4089.1	3060.5	2598.5	2419.7	2291.6	2166.1
-40°	6087.8	5842.4	5245.7	4611.4	3855.4	2988.7	2664.5	2487.4	2371.5	2260.5	2145.2
-42.5°	5163.5	4623.0	4048.3	3394.9	2822.0	2680.9	2542.1	2431.2	2325.5	2226.2	2064.3
-45°	3836.8	3352.5	2876.6	2766.3	2638.7	2552.3	2475.1	2381.2	2286.7	2132.0	1958.9
-47.5°	2828.6	2753.6	2667.2	2606.0	2540.3	2473.4	2413.1	2333.3	2172.5	2008.0	1829.7
-50°	2635.4	2600.8	2560.6	2517.3	2468.3	2412.9	2313.1	2189.4	2031.3	1863.9	1692.8
-52.5°	2547.1	2513.0	2479.7	2445.8	2365.0	2258.4	2146.1	2019.4	1872.5	1709.7	1545.7
-55°	2463.2	2402.9	2335.3	2261.8	2180.0	2072.5	1958.8	1835.3	1698.0	1544.7	1398.3
-57.5°	2260.3	2193.9	2125.8	2052.3	1973.9	1868.7	1752.9	1634.4	1515.1	1379.1	1248.8
-60°	2029.7	1964.1	1895.8	1820.1	1737.1	1642.1	1544.3	1439.0	1326.3	1222.5	1117.3
-62.5°	1776.6	1710.3	1647.3	1582.1	1514.2	1439.0	1348.5	1260.0	1169.8	1076.7	979.8
-65°	1522.7	1464.3	1410.2	1359.9	1306.8	1250.0	1171.9	1091.4	1009.0	924.8	839.2
-67.5°	1286.5	1239.8	1196.7	1153.8	1107.8	1057.9	990.2	918.1	853.3	790.1	723.5
-70°	1066.9	1026.7	987.9	949.8	914.5	879.7	832.5	778.7	723.0	676.6	633.7
-72.5°	880.8	851.0	822.0	794.8	764.7	740.3	711.3	675.6	638.8	601.0	566.0
-75°	748.7	727.2	706.5	689.1	670.4	650.5	629.2	602.7	576.2	549.9	523.3
-77.5°	660.6	643.8	627.7	615.4	602.4	588.7	572.1	549.2	526.3	503.3	479.9
-80°	591.5	577.4	563.5	552.6	541.3	529.7	516.4	496.4	476.3	456.0	435.5
-82.5°	521.7	510.0	498.2	488.9	479.3	469.4	458.5	441.4	424.1	406.9	389.6
-85°	451.0	441.5	432.0	424.7	417.1	409.3	401.1	387.0	372.7	358.4	344.0
-87.5°	386.0	379.2	372.2	366.6	360.8	354.9	348.8	337.7	326.6	315.6	304.5
-90°	1.6	1.6	1.6	2.0	2.4	2.7	3.1	3.5	3.9	4.3	4.7



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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°	263.7	253.6	243.5	233.4	219.8	206.2	192.5	178.9	164.5	150.2	135.8
87.5°	4.7	4.7	4.7	4.7	5.1	5.5	5.8	6.2	6.2	6.2	6.2
85°	4.7	4.7	4.7	4.7	5.1	5.5	5.8	6.2	6.2	6.2	6.2
82.5°	4.7	4.7	4.7	4.7	5.1	5.5	5.9	6.2	6.3	6.2	6.2
80°	5.0	5.2	5.2	5.2	5.4	5.5	5.9	6.3	6.7	6.8	6.7
77.5°	5.5	5.7	5.9	6.1	6.2	6.3	6.4	6.5	7.0	7.4	7.4
75°	6.2	6.1	6.1	6.5	7.0	7.1	7.1	7.4	8.0	8.1	8.2
72.5°	6.6	6.7	6.5	6.8	7.6	8.1	8.1	8.4	9.3	9.6	9.2
70°	9.0	7.8	7.4	8.2	8.9	9.1	9.4	10.2	10.8	11.2	10.9
67.5°	13.1	11.7	10.2	10.3	11.1	11.4	11.0	12.3	13.3	12.9	12.6
65°	24.0	18.3	14.1	15.0	14.8	14.1	13.8	15.1	16.0	15.8	14.4
62.5°	33.9	27.4	23.0	21.4	20.2	18.9	17.2	19.1	19.2	18.8	17.1
60°	42.6	35.5	33.2	31.9	28.4	24.8	23.7	23.5	23.7	22.1	20.3
57.5°	45.1	42.4	45.1	43.9	39.7	33.7	31.9	31.1	28.5	26.5	23.8
55°	47.3	47.8	58.1	58.4	52.9	45.5	43.2	40.8	34.6	31.4	28.1
52.5°	54.8	62.3	72.9	75.0	69.1	60.9	59.6	51.4	45.1	36.5	34.0
50°	72.4	86.7	95.2	95.8	87.5	84.4	77.5	68.3	56.2	43.3	40.4
47.5°	122.2	134.4	126.9	122.3	112.3	112.0	103.1	87.0	68.0	54.2	47.4
45°	222.0	210.6	182.3	158.9	149.6	148.5	133.6	107.0	86.3	67.7	54.9
42.5°	343.4	319.1	276.1	200.6	201.3	191.2	167.4	136.8	105.6	81.8	65.4
40°	508.4	447.0	387.6	309.4	260.7	238.9	210.1	170.3	126.0	98.3	78.1
37.5°	659.0	582.8	516.8	417.0	334.0	298.9	257.1	205.9	152.3	118.8	91.1
35°	750.1	706.0	631.1	521.2	428.7	363.6	307.3	246.1	185.3	139.8	104.4
32.5°	828.4	802.1	725.8	620.9	517.8	432.8	365.1	287.9	217.7	161.2	117.8
30°	901.3	873.5	819.8	713.4	602.5	510.8	423.2	328.0	249.4	182.9	132.4
27.5°	977.5	945.4	908.2	799.6	683.9	583.9	472.5	366.2	280.2	206.6	150.2
25°	1056.0	1015.7	974.6	884.6	759.2	641.9	519.7	402.8	312.0	232.5	167.9
22.5°	1145.3	1083.3	1040.6	968.7	827.6	700.6	567.0	443.0	343.0	257.5	185.3
20°	1233.8	1148.5	1104.2	1036.7	895.4	759.2	615.4	481.0	372.3	281.4	202.4
17.5°	1352.4	1217.3	1154.6	1084.6	959.2	815.7	663.0	516.7	399.7	304.2	219.0
15°	1631.0	1291.4	1204.8	1130.9	1017.2	869.8	709.2	549.9	425.2	325.8	234.3
12.5°	1922.6	1365.0	1255.0	1175.4	1069.5	921.0	753.4	580.5	448.7	345.4	247.7
10°	2216.6	1436.9	1304.6	1217.9	1116.5	969.1	795.2	612.1	474.5	363.2	260.0
7.5°	2501.8	1506.1	1353.0	1258.0	1158.6	1010.7	834.7	648.9	499.6	379.8	271.1
5°	2745.9	1567.4	1401.6	1301.3	1197.4	1044.6	869.3	683.4	523.3	394.9	281.0
2.5°	2863.9	1616.3	1448.6	1343.0	1232.4	1073.8	899.0	715.1	545.2	408.4	289.7
0°	2931.4	1658.6	1492.2	1381.7	1263.4	1098.5	924.2	743.7	564.8	420.1	297.2
-2.5°	2926.5	1698.7	1533.9	1422.5	1307.6	1132.1	944.8	759.7	579.9	433.8	307.3
-5°	2874.0	1733.0	1572.1	1460.3	1346.5	1160.4	961.1	772.0	592.4	445.5	316.2
-7.5°	2836.4	1772.2	1609.6	1495.9	1379.3	1182.5	972.7	780.7	602.3	454.9	323.5
-10°	2755.6	1811.0	1647.5	1529.1	1399.3	1197.1	980.5	785.8	609.5	461.9	329.4
-12.5°	2613.0	1841.5	1680.6	1558.0	1412.2	1205.3	989.5	791.1	614.3	466.5	333.7
-15°	2406.0	1863.3	1708.4	1582.4	1418.9	1208.1	993.1	794.2	618.7	469.1	336.3
-17.5°	2132.5	1875.9	1730.7	1601.9	1419.5	1205.4	991.4	792.9	620.0	470.0	338.3
-20°	2088.5	1891.5	1747.5	1616.2	1413.9	1197.4	984.2	787.2	618.1	468.4	339.3



REPORT NUMBER: P701582 (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°	2090.6	1911.4	1766.1	1608.2	1400.7	1184.1	971.3	777.1	613.0	464.2	338.4
-25°	2084.2	1924.8	1782.6	1599.5	1380.4	1165.4	954.7	762.5	604.6	457.5	335.6
-27.5°	2085.8	1933.6	1795.8	1583.0	1360.5	1140.1	934.5	750.1	593.6	448.2	330.8
-30°	2086.2	1942.9	1777.3	1557.4	1332.5	1111.8	909.2	734.2	580.7	439.4	324.1
-32.5°	2074.1	1949.1	1742.9	1519.4	1295.8	1077.4	880.6	714.4	564.8	430.2	320.4
-35°	2063.8	1911.9	1699.4	1472.5	1250.8	1042.0	851.7	691.0	545.9	418.5	317.0
-37.5°	2044.7	1845.1	1638.9	1416.3	1198.2	1000.6	823.6	666.8	524.0	404.4	312.1
-40°	1963.9	1765.8	1560.2	1350.9	1144.5	953.3	790.5	639.1	503.8	387.8	305.9
-42.5°	1873.7	1672.5	1472.8	1275.2	1086.5	911.2	752.7	606.9	481.9	375.9	298.3
-45°	1764.6	1570.7	1377.7	1198.2	1024.3	863.7	711.9	571.6	457.0	365.6	291.8
-47.5°	1646.9	1460.1	1282.5	1115.2	964.9	811.2	665.9	540.3	429.6	353.7	287.6
-50°	1519.7	1348.0	1185.7	1036.3	896.0	754.2	618.2	505.7	412.8	339.2	282.4
-52.5°	1389.1	1236.4	1091.8	956.0	822.6	691.7	575.6	469.7	393.9	328.9	276.4
-55°	1257.0	1129.5	999.4	870.4	744.6	635.4	529.6	445.6	373.1	319.8	269.7
-57.5°	1135.2	1022.9	900.6	779.6	673.0	577.2	492.4	419.1	359.1	309.9	263.9
-60°	1012.4	906.6	796.1	696.8	604.3	526.4	459.5	395.3	346.6	299.5	256.9
-62.5°	882.8	789.6	704.7	616.9	546.8	485.7	427.6	379.8	333.1	290.0	248.9
-65°	764.7	689.3	615.4	558.1	500.8	448.8	408.2	363.3	320.5	279.8	240.3
-67.5°	656.1	607.8	559.3	506.7	464.4	425.7	387.4	347.5	307.6	268.8	231.0
-70°	589.9	545.8	509.9	474.5	437.9	402.0	367.9	331.6	293.8	256.7	221.1
-72.5°	536.0	506.2	476.4	444.5	411.6	379.4	347.9	314.6	278.6	243.9	210.5
-75°	496.2	469.4	443.1	415.4	385.4	355.9	326.4	295.9	262.6	230.4	199.4
-77.5°	456.2	432.6	409.4	384.9	357.3	330.1	303.5	276.3	245.7	216.1	187.7
-80°	414.7	394.0	373.5	352.3	327.9	303.7	279.7	255.5	228.0	201.3	175.5
-82.5°	371.9	354.3	336.7	318.6	297.1	275.9	254.9	234.0	209.6	185.9	164.2
-85°	329.1	314.1	299.1	283.9	265.7	247.6	230.8	213.8	193.7	174.1	155.0
-87.5°	292.8	281.0	269.2	257.3	242.2	227.0	211.8	196.5	179.3	162.3	145.5
-90°	4.7	4.7	4.7	4.7	5.1	5.5	5.8	6.2	6.2	6.2	6.2



REPORT NUMBER: P701582 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	121.4	101.2	80.9	60.7	40.5	24.9	9.3
87.5°	6.2	6.4	6.5	6.5	6.5	8.0	9.3
85°	6.2	6.5	6.7	6.8	6.8	8.3	9.3
82.5°	6.2	6.7	7.0	7.1	7.0	8.6	9.3
80°	6.4	6.9	7.3	7.4	7.4	8.9	9.3
77.5°	7.2	7.4	7.6	7.7	7.7	9.2	9.3
75°	8.2	8.5	8.0	8.1	8.0	9.4	9.3
72.5°	9.2	9.6	9.2	8.4	8.4	9.7	9.3
70°	10.3	10.8	10.3	8.9	8.8	10.0	9.3
67.5°	12.4	12.0	11.5	9.9	9.2	10.4	9.3
65°	14.5	13.7	12.7	10.9	9.6	10.7	9.3
62.5°	16.8	16.0	13.9	12.0	10.1	11.0	9.3
60°	19.3	18.4	15.2	13.0	10.6	11.3	9.3
57.5°	23.1	20.9	17.3	14.1	11.6	11.6	9.3
55°	27.3	23.4	19.6	15.2	12.7	11.9	9.3
52.5°	31.7	26.3	21.9	16.2	13.8	12.3	9.3
50°	36.4	30.4	24.2	17.3	15.0	12.6	9.3
47.5°	41.5	34.7	26.5	18.6	16.2	12.9	9.3
45°	48.0	39.0	28.9	20.4	17.4	13.3	9.3
42.5°	54.8	43.5	31.3	22.2	18.7	13.6	9.3
40°	61.9	48.1	34.3	24.6	20.0	14.0	9.3
37.5°	69.3	52.7	37.9	27.3	21.3	14.3	9.3
35°	76.9	58.3	41.5	30.1	22.7	14.6	9.3
32.5°	85.6	64.3	45.0	33.0	24.0	15.0	9.3
30°	96.5	70.4	48.6	35.9	25.4	15.3	9.3
27.5°	107.4	76.4	53.6	38.8	26.8	15.6	9.3
25°	118.2	82.5	58.7	41.7	28.2	16.0	9.3
22.5°	128.8	88.9	63.9	44.7	29.5	16.3	9.3
20°	139.2	96.3	68.9	47.6	30.9	16.6	9.3
17.5°	149.6	103.4	73.9	50.5	32.3	16.9	9.3
15°	159.6	110.3	78.7	53.3	33.6	17.2	9.3
12.5°	169.1	116.9	83.4	56.1	34.9	17.5	9.3
10°	178.0	123.1	88.0	58.8	36.1	17.7	9.3
7.5°	186.2	129.0	92.4	61.4	37.3	18.0	9.3
5°	193.8	134.6	96.6	63.9	38.4	18.3	9.3
2.5°	200.7	139.9	100.5	66.3	39.5	18.5	9.3
0°	206.9	144.7	104.2	68.5	40.5	18.7	9.3
-2.5°	214.2	150.7	108.9	72.1	42.7	19.6	9.3
-5°	220.8	156.3	113.3	75.5	44.8	20.5	9.3
-7.5°	226.7	161.5	117.4	78.8	46.8	21.4	9.3
-10°	231.7	166.2	121.2	81.8	48.7	22.2	9.3
-12.5°	235.9	170.5	124.7	84.7	50.5	23.0	9.3
-15°	239.3	174.3	127.9	87.3	52.2	23.8	9.3
-17.5°	241.9	177.6	130.8	89.7	53.7	24.5	9.3
-20°	244.1	180.5	133.4	91.8	55.1	25.2	9.3



REPORT NUMBER: P701582 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-VHE-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	246.2	182.8	135.7	93.8	56.3	25.9	9.3
-25°	247.2	185.1	137.6	95.4	57.4	26.5	9.3
-27.5°	247.2	186.9	139.3	96.8	58.3	27.1	9.3
-30°	246.1	188.2	140.7	97.9	59.1	27.6	9.3
-32.5°	243.9	188.9	141.8	98.8	59.7	28.1	9.3
-35°	243.1	189.0	142.5	99.4	60.1	28.5	9.3
-37.5°	242.6	188.8	142.8	99.7	60.4	28.9	9.3
-40°	241.4	188.8	142.7	99.7	60.5	29.2	9.3
-42.5°	239.4	188.2	142.3	99.5	60.4	29.5	9.3
-45°	236.6	187.1	141.6	98.9	60.2	29.7	9.3
-47.5°	233.1	185.4	140.4	98.1	59.7	29.8	9.3
-50°	230.1	183.2	138.9	97.1	59.1	30.0	9.3
-52.5°	226.7	180.5	136.9	95.8	58.4	30.0	9.3
-55°	222.6	177.4	134.6	94.3	57.4	30.0	9.3
-57.5°	217.8	173.8	131.8	92.6	56.3	30.0	9.3
-60°	212.5	169.6	128.8	90.5	55.1	29.8	9.3
-62.5°	206.6	165.0	125.5	88.3	54.5	29.7	9.3
-65°	200.1	159.9	121.8	85.7	53.8	29.5	9.3
-67.5°	193.0	154.5	117.8	83.0	53.0	29.2	9.3
-70°	185.4	148.6	113.5	80.0	52.0	28.9	9.3
-72.5°	177.3	142.3	108.8	77.9	50.9	28.6	9.3
-75°	168.7	135.7	103.9	75.9	49.7	28.2	9.3
-77.5°	159.7	128.6	100.3	73.8	48.4	27.7	9.3
-80°	150.2	123.0	96.8	71.5	47.0	27.2	9.3
-82.5°	143.2	117.9	93.1	69.0	45.5	26.7	9.3
-85°	136.2	112.5	89.3	66.4	43.9	26.1	9.3
-87.5°	128.9	107.0	85.2	63.6	42.2	25.5	9.3
-90°	6.2	6.2	6.2	6.2	6.2	7.8	9.3

(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

