

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: P735961 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-4S-VHE**

Issue Date: 1/29/2024

Test Information

Test Method: LM-79-08
Report Number: P735961 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-4S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

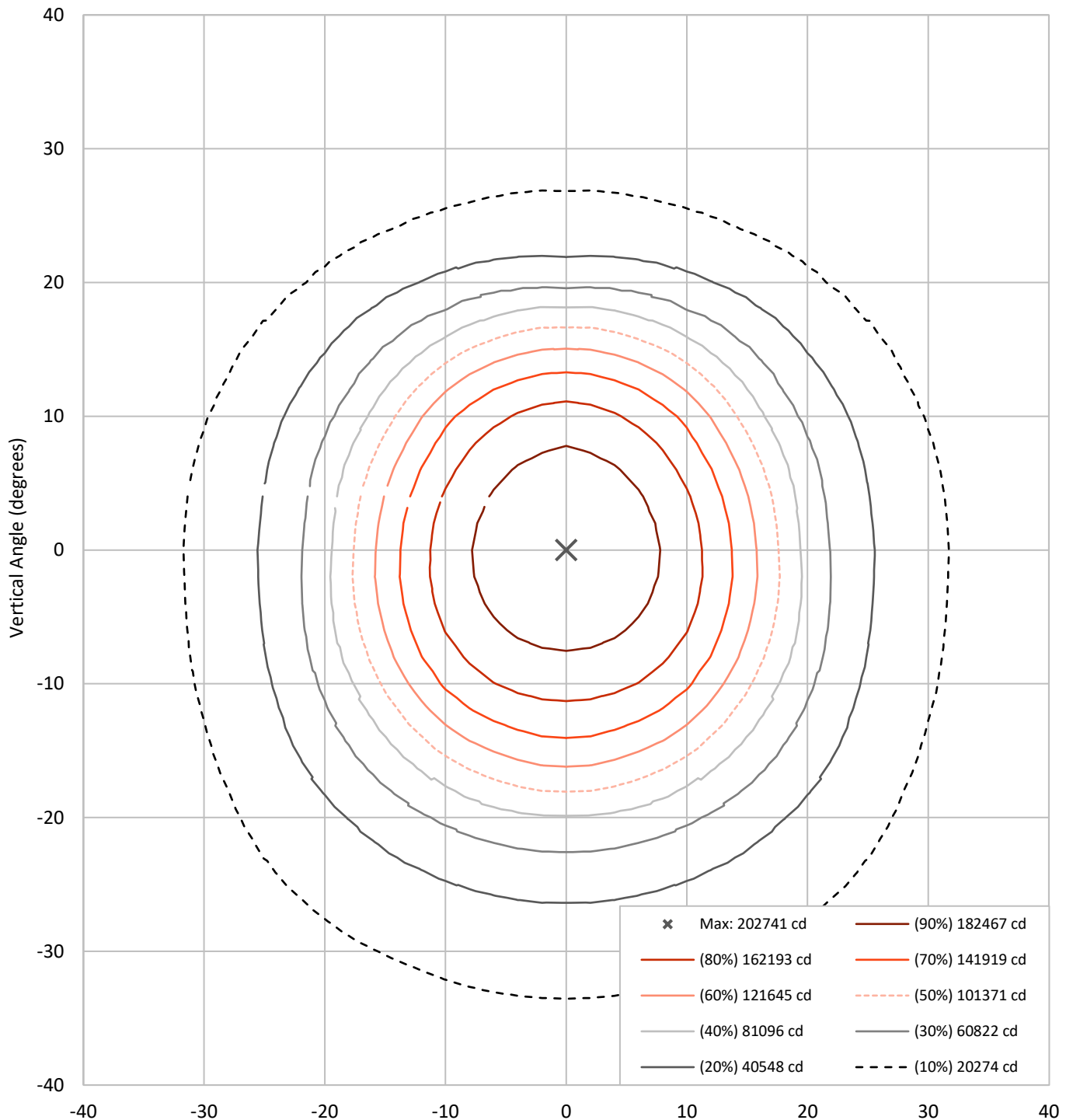
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	84101 lumens	Max Intensity:	202741 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	150.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	45139.5 lumens	Field Lumens:	73455.5 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%

Input Watts (W): 559.9
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





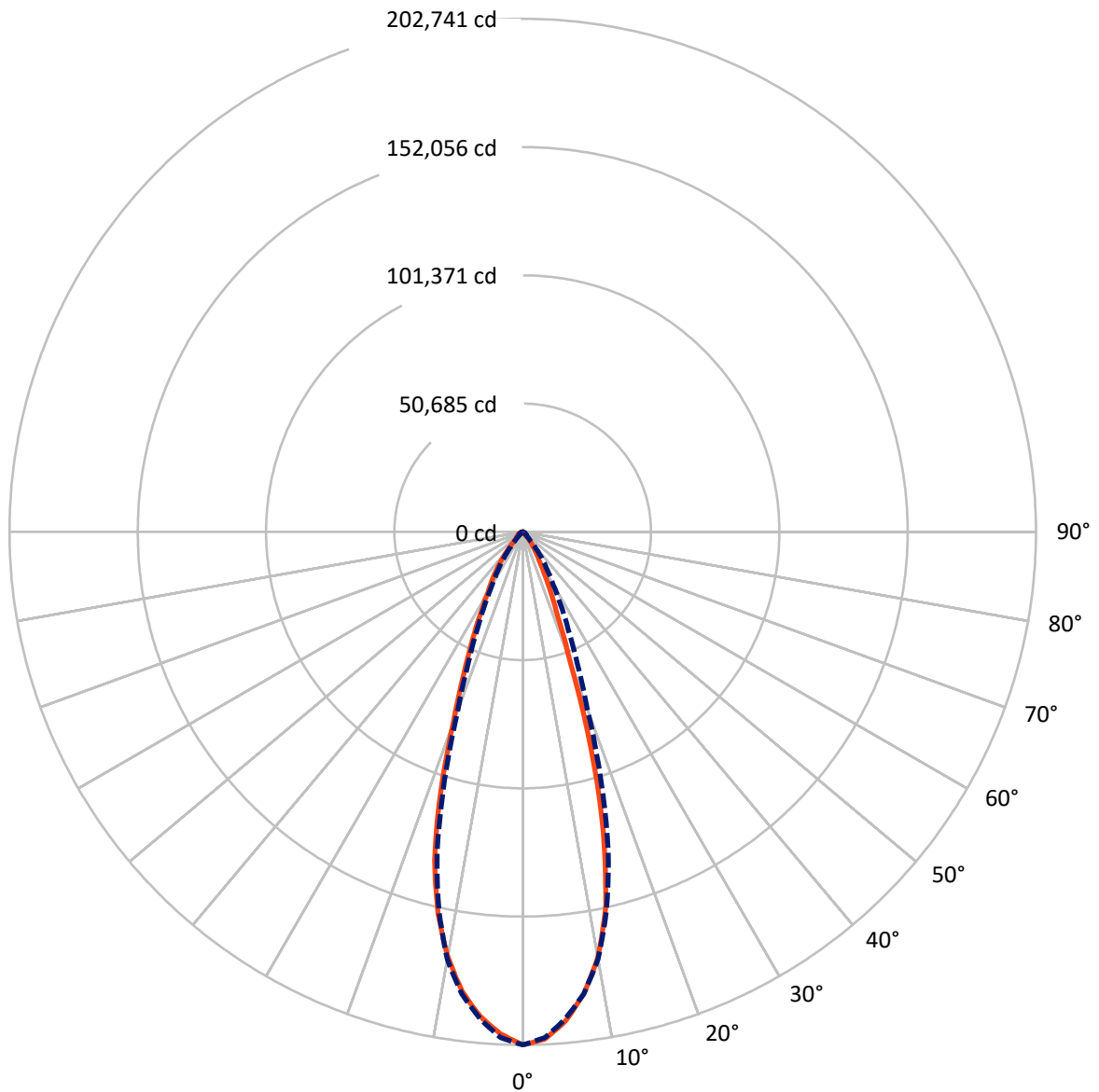
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Lumen Table

90	0.3	0.9	1.6	2.2	2.5	2.2	1.6	0.9	0.3										
80	0.3	0.9	1.6	2.2	2.5	2.2	1.6	0.9	0.3										
70	0.3	0.2	0.2	0.5	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.5	0.2	0.2	0.3			
60		0.4	0.7	1.2	1.1	0.8	1.0	1.2	1.2	1.0	0.8	1.1	1.2	0.7	0.4				
50	0.8	1.0	2.4	4.8	8.8	14.0	20.4	26.3	26.3	20.4	14.0	8.8	4.8	2.4	1.0	0.8			
40		2.5	8.0	15.3	25.1	58.1	129.8	210.3	210.3	129.8	58.1	25.1	15.3	8.0	2.5				
30	1.8	4.4	13.3	25.9	81.2	249.7	544.8	826.1	826.1	544.8	249.7	81.2	25.9	13.3	4.4	1.8			
20		6.0	17.5	41.4	211.3	700.6	1871.9	3326.3	3326.3	1871.9	700.6	211.3	41.4	17.5	6.0				
10	2.7	7.3	20.5	57.3	330.6	1149.9	3403.5	5450.0	5450.0	3403.5	1149.9	330.6	57.3	20.5	7.3	2.7			
0		8.2	22.8	64.1	354.4	1207.7	3568.1	5493.1	5493.1	3568.1	1207.7	354.4	64.1	22.8	8.2				
-10	3.1	8.4	24.1	59.1	282.9	892.1	2246.0	3690.0	3690.0	2246.0	892.1	282.9	59.1	24.1	8.4	3.1			
-20		7.9	24.0	50.6	155.6	495.5	972.8	1404.8	1404.8	972.8	495.5	155.6	50.6	24.0	7.9				
-30	2.9	6.7	21.6	42.4	74.8	183.9	370.4	512.1	512.1	370.4	183.9	74.8	42.4	21.6	6.7	2.9			
-40		5.2	16.2	33.9	53.4	74.2	101.2	129.6	129.6	101.2	74.2	53.4	33.9	16.2	5.2				
-50	2.5	3.9	10.1	22.0	38.0	51.3	61.9	69.5	69.5	61.9	51.3	38.0	22.0	10.1	3.9	2.5			
-60		2.9	5.9	11.2	19.1	27.1	34.4	39.3	39.3	34.4	27.1	19.1	11.2	5.9	2.9				
-70	1.8	10.6	24.0	38.8	47.7	38.8	24.0	10.6	1.8							1.8			
-80		10.6	24.0	38.8	47.7	38.8	24.0	10.6	1.8										
-90	1.8	10.6	24.0	38.8	47.7	38.8	24.0	10.6	1.8										

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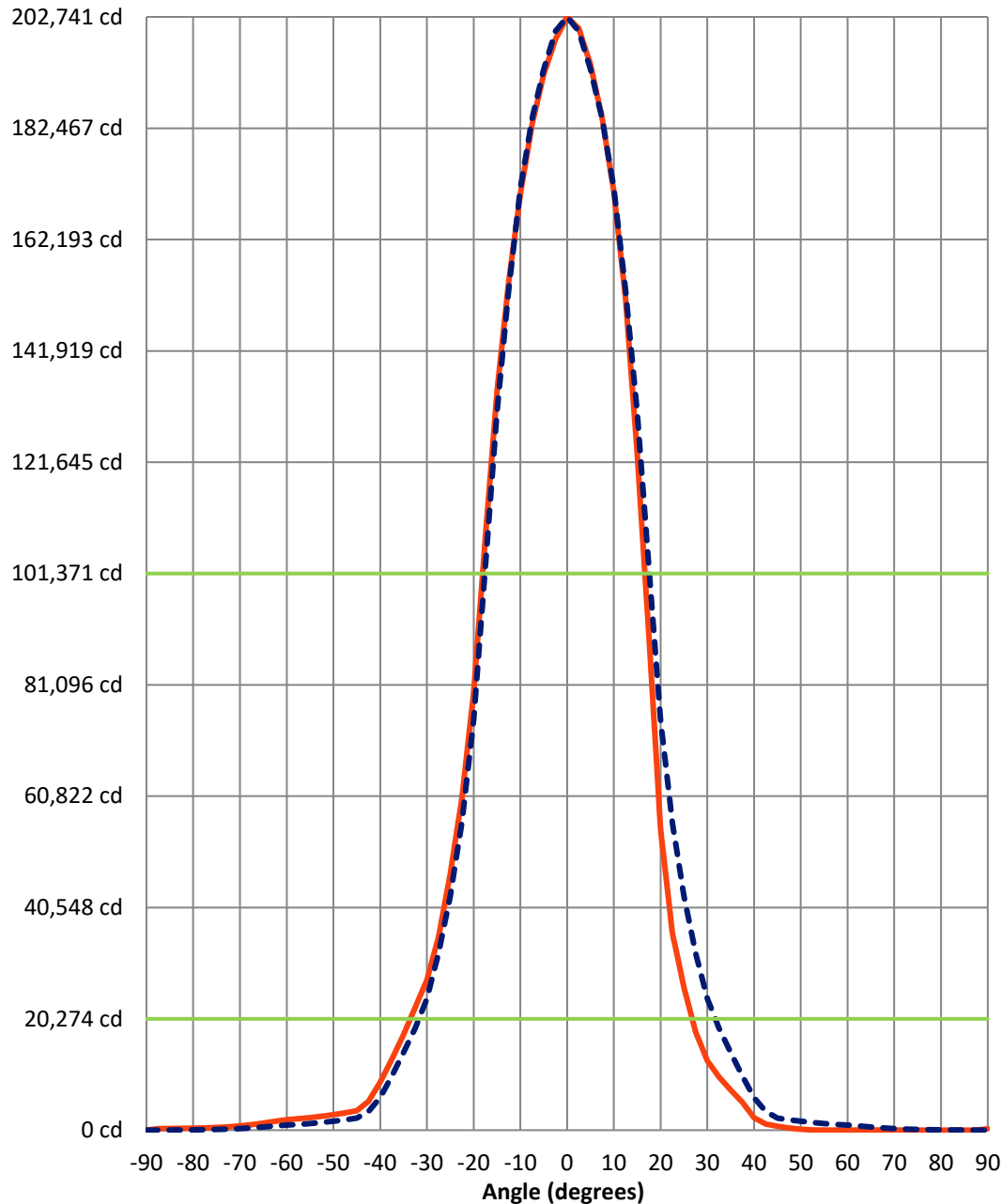
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 35.2°
 V Angle: 34.7°
 Lumens: 45139.5
 Efficiency: 53.7%

Field:
 H Angle: 63.4°
 V Angle: 60.3°
 Lumens: 73455.5
 Efficiency: 87.3%

Spill:
 Lumens: 10645.5
 Efficiency: 12.7%

— 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°	9.0	17.0	25.1	41.1	57.2	71.7	86.3	97.8	109.3	116.9	124.4
87.5°	9.0	8.2	7.2	7.3	7.3	7.3	7.3	6.8	6.3	6.4	6.4
85°	9.0	8.4	7.4	7.5	7.7	7.7	7.5	7.1	6.7	6.8	6.8
82.5°	9.0	8.5	7.5	7.8	8.0	8.0	7.8	7.4	7.1	7.2	7.3
80°	9.0	8.7	7.7	8.0	8.4	8.3	8.1	7.9	7.8	7.8	7.7
77.5°	9.0	8.9	8.0	8.3	8.7	8.7	8.6	8.6	8.5	8.4	8.1
75°	9.0	9.1	8.2	8.5	9.1	9.2	9.2	9.2	9.2	8.8	8.2
72.5°	9.0	9.3	8.4	8.8	9.4	9.6	9.7	9.8	9.6	9.1	8.4
70°	9.0	9.5	8.7	9.1	9.8	10.0	10.3	10.3	10.1	9.5	9.2
67.5°	9.0	9.7	8.9	9.5	10.2	10.5	10.9	10.9	10.6	10.4	10.1
65°	9.0	9.9	9.2	9.9	10.6	11.1	11.7	11.5	11.8	11.2	11.4
62.5°	9.0	10.1	9.5	10.3	11.1	12.0	12.5	12.8	13.2	12.5	13.6
60°	9.0	10.3	9.8	10.7	11.5	13.0	13.5	14.6	14.8	15.8	16.2
57.5°	9.0	10.5	10.3	11.1	12.5	14.0	15.4	16.5	18.4	19.7	21.9
55°	9.0	10.7	10.9	11.5	13.7	15.1	17.5	18.8	22.9	24.9	29.4
52.5°	9.0	10.9	11.6	12.0	14.8	16.3	19.7	23.2	27.6	33.6	37.5
50°	9.0	11.1	12.2	12.4	16.1	18.6	22.0	28.0	33.8	42.9	48.5
47.5°	9.0	11.3	12.9	13.0	17.3	21.0	24.8	33.1	43.0	52.9	61.1
45°	9.0	11.5	13.6	14.0	18.7	23.5	29.3	38.3	52.8	65.2	74.5
42.5°	9.0	11.8	14.4	15.1	20.1	26.1	34.0	45.8	62.9	78.1	96.1
40°	9.0	12.0	15.2	16.6	21.8	28.8	38.9	54.9	74.1	91.6	121.0
37.5°	9.0	12.2	16.0	18.3	24.0	31.5	44.0	64.2	87.0	109.2	148.1
35°	9.0	12.4	16.8	20.1	26.1	35.2	49.1	73.6	100.4	134.2	180.8
32.5°	9.0	12.6	17.7	21.9	28.2	39.3	55.1	83.1	114.3	159.9	218.2
30°	9.0	12.8	18.6	23.7	30.4	43.4	62.7	92.8	128.6	186.0	253.9
27.5°	9.0	13.0	19.5	25.5	33.3	47.3	70.2	103.3	144.4	212.5	287.7
25°	9.0	13.2	20.4	27.4	36.3	51.2	77.4	113.4	162.6	240.2	319.8
22.5°	9.0	13.5	21.4	29.2	39.1	55.3	84.4	123.0	179.6	261.6	352.7
20°	9.0	13.7	22.3	31.0	42.0	59.8	91.0	132.0	195.3	281.6	379.2
17.5°	9.0	13.8	23.2	32.8	44.7	64.3	98.0	140.5	209.9	300.1	404.1
15°	9.0	14.0	24.1	34.6	47.4	68.6	104.8	149.0	223.1	317.2	427.4
12.5°	9.0	14.2	25.0	36.3	49.9	72.7	111.2	157.6	236.4	332.6	449.1
10°	9.0	14.4	25.9	38.0	52.4	76.7	117.2	165.7	249.5	352.5	473.0
7.5°	9.0	14.6	26.8	39.6	54.8	80.4	122.8	173.2	261.4	372.1	503.5
5°	9.0	14.7	27.6	41.2	57.0	84.0	127.8	180.0	272.0	390.4	532.4
2.5°	9.0	14.9	28.4	42.7	59.2	87.3	132.4	186.2	281.2	406.9	558.9
0°	9.0	15.0	29.1	44.1	61.2	90.3	136.4	191.6	288.9	421.3	582.7
-2.5°	9.0	15.5	30.2	46.0	64.1	93.9	141.1	198.2	299.0	433.2	594.6
-5°	9.0	16.1	31.3	47.7	66.8	97.3	145.2	203.9	307.5	442.6	603.3
-7.5°	9.0	16.6	32.3	49.4	69.3	100.3	148.8	208.8	314.0	449.5	608.8
-10°	9.0	17.1	33.2	51.0	71.7	103.1	151.7	212.7	318.6	453.8	611.2
-12.5°	9.0	17.6	34.1	52.5	73.9	105.5	154.0	215.7	321.0	455.4	613.9
-15°	9.0	18.0	34.9	53.8	75.9	107.5	155.7	217.6	320.6	453.4	613.8
-17.5°	9.0	18.4	35.6	55.0	77.6	109.3	156.7	218.8	317.4	448.4	608.6
-20°	9.0	18.8	36.3	56.1	79.2	110.7	157.5	219.5	312.4	440.3	598.1



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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°	9.0	19.2	36.9	57.0	80.6	111.8	158.3	219.1	305.5	429.1	582.5
-25°	9.0	19.6	37.4	57.9	81.7	113.1	158.3	217.9	296.6	414.7	566.2
-27.5°	9.0	19.9	37.9	58.5	82.5	114.3	157.7	215.6	285.9	402.3	552.3
-30°	9.0	20.2	38.3	59.0	83.2	115.0	156.3	212.5	279.4	390.8	534.1
-32.5°	9.0	20.4	38.6	59.4	84.3	115.4	154.1	209.7	275.7	376.3	511.3
-35°	9.0	20.6	38.8	59.6	85.2	115.4	153.3	206.5	270.5	358.8	483.8
-37.5°	9.0	20.8	38.9	59.7	85.8	115.4	152.9	202.3	263.7	338.3	457.5
-40°	9.0	21.0	39.0	59.6	86.2	115.9	151.9	197.0	255.3	325.1	431.8
-42.5°	9.0	21.1	39.0	59.6	86.5	116.1	150.3	190.6	247.2	314.2	403.1
-45°	9.0	21.2	38.9	59.7	86.7	116.0	148.0	185.1	238.5	301.3	373.9
-47.5°	9.0	21.2	38.7	59.7	86.6	115.5	145.3	181.9	228.5	286.4	356.9
-50°	9.0	21.2	38.5	59.7	86.2	114.8	143.8	178.0	217.0	273.1	337.5
-52.5°	9.0	21.2	38.2	59.6	85.6	113.7	142.2	173.6	209.5	258.2	315.1
-55°	9.0	21.2	37.8	59.3	84.8	112.4	140.3	168.9	203.2	241.7	293.7
-57.5°	9.0	21.1	37.3	58.9	83.7	110.7	138.1	166.2	196.1	231.2	270.8
-60°	9.0	20.9	36.7	58.3	82.4	108.7	135.4	162.7	189.0	221.8	250.3
-62.5°	9.0	20.8	36.2	57.6	81.3	106.4	132.4	158.7	183.9	211.1	237.4
-65°	9.0	20.6	35.6	56.7	79.9	103.7	129.1	154.2	178.3	202.4	223.9
-67.5°	9.0	20.3	34.8	55.7	78.4	101.1	125.3	149.1	172.2	194.1	213.2
-70°	9.0	20.1	34.0	54.5	76.6	98.4	121.2	143.7	165.8	185.6	203.5
-72.5°	9.0	19.8	33.1	53.2	74.6	95.4	117.1	138.0	159.0	176.9	193.5
-75°	9.0	19.5	32.2	51.8	72.5	92.1	112.6	132.1	151.8	168.0	183.2
-77.5°	9.0	19.1	31.1	50.3	70.3	88.6	107.8	125.9	144.2	158.7	172.5
-80°	9.0	18.7	30.0	48.7	68.0	85.3	102.7	119.4	136.4	149.3	161.8
-82.5°	9.0	18.3	28.9	47.0	65.5	82.2	98.8	113.3	128.2	139.7	151.0
-85°	9.0	17.9	27.6	45.1	62.9	78.8	94.8	108.3	122.0	131.6	141.0
-87.5°	9.0	17.5	26.4	43.2	60.1	75.4	90.6	103.2	115.7	124.3	132.8
-90°	9.0	8.0	7.0	7.0	7.0	7.0	7.0	6.5	6.0	6.0	6.0



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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°	129.9	135.4	140.4	145.4	151.5	157.5	163.5	169.5	176.0	182.5	189.1
87.5°	6.0	5.5	5.5	5.6	5.1	4.6	4.3	4.0	4.0	4.0	3.9
85°	6.4	6.0	6.0	6.0	5.6	5.3	4.9	4.4	4.5	4.5	4.3
82.5°	6.9	6.5	6.3	6.0	5.9	5.9	5.6	5.2	5.1	5.0	4.7
80°	7.4	7.1	6.6	6.3	6.2	6.0	5.9	5.8	5.6	5.1	5.1
77.5°	7.6	7.1	6.9	6.9	6.6	6.1	6.0	6.0	5.9	5.8	5.6
75°	7.7	7.2	7.1	7.1	6.7	6.2	6.0	6.2	6.3	6.1	5.9
72.5°	8.1	7.8	7.5	7.2	7.0	6.7	6.7	6.9	7.5	8.0	8.5
70°	8.9	8.5	8.2	8.0	7.6	7.6	8.5	10.2	11.8	12.5	14.2
67.5°	9.9	9.6	9.3	9.1	9.1	9.9	11.1	14.8	18.0	20.3	22.7
65°	10.9	10.7	10.7	10.9	11.0	14.1	17.4	21.1	26.7	29.9	30.0
62.5°	12.2	13.8	13.1	14.0	16.9	20.2	25.2	31.8	38.9	41.8	39.9
60°	17.3	18.1	18.5	20.7	23.6	27.1	34.0	42.0	50.3	55.3	47.9
57.5°	23.9	25.0	26.8	28.2	31.3	33.3	41.6	51.3	56.7	59.9	51.4
55°	32.1	33.6	36.4	37.0	39.7	40.5	47.4	54.1	58.7	59.6	50.6
52.5°	42.5	44.2	48.3	48.9	49.0	49.9	50.9	58.2	61.8	60.8	52.5
50°	53.7	59.9	62.1	64.4	61.4	62.6	59.3	67.8	75.0	73.1	75.6
47.5°	70.3	78.0	81.2	85.3	83.2	90.0	87.5	103.7	109.4	141.8	149.1
45°	90.1	103.9	108.1	117.7	127.4	135.4	161.5	163.6	232.0	260.6	314.3
42.5°	114.1	135.6	153.1	156.7	203.3	228.1	264.4	324.1	384.1	439.0	475.6
40°	149.6	171.9	209.4	253.1	302.5	356.0	404.4	473.7	531.8	575.0	600.9
37.5°	190.1	232.5	283.6	362.4	429.2	483.7	538.7	598.6	653.3	691.3	740.7
35°	234.4	296.3	391.0	473.0	544.8	596.0	649.7	713.2	764.9	826.2	887.2
32.5°	288.3	361.4	480.2	568.8	627.1	687.8	749.7	816.6	890.6	966.0	1044.1
30°	341.5	434.7	550.8	642.9	699.3	770.0	845.3	923.7	1020.7	1115.8	1221.4
27.5°	383.4	497.6	608.1	703.3	769.0	852.6	944.5	1046.9	1162.1	1278.4	1418.7
25°	420.9	544.4	665.8	766.7	850.2	942.8	1050.9	1173.7	1310.9	1474.4	1915.7
22.5°	457.4	590.0	729.5	834.7	928.5	1033.2	1163.5	1306.8	1468.2	1685.6	2466.0
20°	494.9	641.6	790.5	891.2	1000.0	1117.4	1270.0	1436.2	1636.4	2149.8	3301.0
17.5°	533.4	694.9	842.5	940.8	1055.4	1198.5	1376.0	1563.5	1807.5	2584.5	4346.8
15°	571.0	745.1	884.1	984.6	1111.0	1277.6	1475.8	1705.6	2110.5	3191.2	5394.5
12.5°	606.9	790.2	915.1	1022.3	1166.0	1352.2	1568.4	1826.3	2466.4	4009.9	6537.4
10°	640.7	830.2	942.0	1058.4	1219.6	1422.2	1651.4	1932.5	2777.3	4664.2	7442.2
7.5°	677.3	864.5	966.3	1092.6	1269.0	1486.2	1719.7	2014.3	3008.8	5165.9	8114.2
5°	710.5	892.3	994.5	1132.6	1318.2	1544.0	1778.2	2082.8	3166.8	5483.8	8580.7
2.5°	739.5	914.5	1020.6	1170.7	1364.4	1594.7	1831.2	2151.4	3307.8	5752.6	9170.8
0°	764.3	931.8	1044.1	1204.6	1404.2	1636.9	1874.6	2206.6	3402.1	5933.6	9855.3
-2.5°	779.4	957.7	1083.3	1240.1	1437.1	1666.8	1913.8	2265.5	3497.6	6324.9	10116.0
-5°	790.3	978.5	1118.4	1271.3	1463.7	1688.6	1942.5	2307.3	3538.7	6432.5	10040.0
-7.5°	796.6	993.7	1148.5	1298.6	1487.5	1714.0	1987.7	2363.2	3557.3	6167.3	9609.8
-10°	799.9	1006.4	1168.2	1321.1	1509.5	1737.3	2023.0	2399.3	3480.8	5809.3	9114.8
-12.5°	808.5	1017.3	1183.8	1337.8	1524.3	1754.1	2050.4	2426.5	3306.8	5317.5	8434.4
-15°	810.7	1022.8	1196.9	1349.2	1539.6	1778.6	2071.2	2431.1	3055.5	4682.0	7565.8
-17.5°	806.2	1023.1	1206.0	1358.2	1547.2	1788.1	2077.8	2417.8	2867.7	4220.1	6691.8
-20°	794.5	1011.1	1208.8	1359.0	1544.3	1791.9	2081.1	2412.0	2821.8	3748.0	5631.9



REPORT NUMBER: P735961 (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°	775.4	992.2	1199.1	1357.6	1554.4	1793.5	2071.5	2376.3	2722.5	3178.5	4576.8
-25°	755.0	965.4	1173.7	1362.4	1556.3	1785.2	2031.0	2310.9	2630.6	2987.2	3824.0
-27.5°	732.9	934.1	1147.6	1356.4	1546.8	1753.9	1982.2	2244.5	2507.8	2795.8	3152.2
-30°	706.2	900.0	1112.6	1334.4	1524.4	1717.9	1928.3	2140.4	2376.4	2635.6	2937.6
-32.5°	674.2	860.0	1069.3	1288.4	1494.7	1676.0	1852.0	2042.5	2253.0	2481.6	2731.3
-35°	639.4	819.4	1018.5	1232.5	1458.4	1624.9	1777.9	1942.6	2129.1	2337.9	2569.9
-37.5°	604.1	772.5	958.9	1167.5	1387.2	1561.5	1699.4	1853.1	2017.2	2196.1	2411.8
-40°	564.1	718.6	896.8	1093.9	1288.7	1477.1	1628.6	1767.9	1912.2	2075.8	2252.0
-42.5°	521.0	666.1	828.8	1007.4	1184.4	1363.9	1553.6	1690.6	1819.7	1958.6	2113.0
-45°	485.0	608.1	755.2	914.1	1073.6	1247.5	1430.5	1613.6	1731.5	1851.7	1983.3
-47.5°	443.3	549.3	683.8	816.2	963.4	1127.4	1300.7	1470.5	1637.8	1754.9	1865.6
-50°	403.5	499.5	602.3	724.1	855.2	1006.6	1165.4	1320.6	1477.5	1636.0	1762.3
-52.5°	376.1	446.2	535.3	631.6	752.8	886.6	1025.8	1164.1	1311.5	1462.7	1608.3
-55°	346.5	406.6	470.1	551.9	651.7	770.9	886.7	1010.6	1137.2	1276.7	1418.5
-57.5°	318.4	368.1	418.0	480.1	564.1	655.2	756.7	858.5	973.3	1090.0	1211.4
-60°	290.5	331.3	373.6	423.2	481.1	557.9	631.4	720.0	815.4	911.4	1019.4
-62.5°	263.9	297.1	332.3	374.2	422.6	467.9	528.6	597.4	666.1	751.2	838.7
-65°	248.2	266.6	294.3	330.7	368.3	408.4	447.8	489.9	549.8	613.3	675.4
-67.5°	231.5	248.5	265.8	288.3	321.3	352.5	384.2	421.2	459.4	500.5	545.8
-70°	219.0	230.9	246.2	263.9	281.1	300.1	328.3	357.7	387.1	419.0	454.5
-72.5°	207.2	218.3	229.8	242.1	257.3	271.7	286.6	302.5	325.6	353.7	380.1
-75°	195.2	205.5	216.0	226.9	238.2	249.2	260.9	275.1	291.1	308.3	324.4
-77.5°	183.1	192.6	202.2	211.6	221.9	232.5	242.6	252.8	265.3	278.6	291.3
-80°	171.2	179.6	188.5	197.2	206.2	215.5	224.4	233.0	243.8	255.2	266.5
-82.5°	159.5	167.5	175.1	182.8	190.6	198.2	206.2	214.3	224.2	234.3	243.8
-85°	148.2	155.3	161.7	168.1	175.3	182.4	189.3	196.1	205.1	214.1	222.4
-87.5°	139.1	145.4	150.9	156.3	162.7	169.0	175.0	180.8	188.5	196.3	203.3
-90°	5.5	5.0	5.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0	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°	195.6	200.1	204.6	207.6	210.6	215.2	219.7	226.2	232.7	238.2	243.7
87.5°	3.8	3.4	3.0	2.9	2.9	2.9	2.9	2.5	2.0	2.0	2.0
85°	4.0	3.8	3.7	3.8	3.8	3.4	3.0	3.0	2.9	3.0	3.0
82.5°	4.5	4.3	4.0	4.0	4.0	3.9	3.8	3.5	3.0	3.0	3.0
80°	5.0	4.7	4.5	4.3	4.0	4.0	4.0	3.6	3.0	3.0	3.0
77.5°	5.2	5.1	5.0	4.6	4.1	4.0	4.0	3.6	3.1	3.0	3.0
75°	5.9	5.8	5.7	5.6	5.4	5.6	5.9	5.8	5.5	5.2	4.9
72.5°	9.0	9.0	8.8	9.4	9.9	10.3	10.6	10.9	11.3	12.1	12.9
70°	16.0	17.2	17.3	17.3	17.2	16.7	16.1	16.0	16.1	16.4	16.7
67.5°	24.1	25.1	25.5	25.8	23.5	22.0	21.5	21.5	22.4	24.2	26.8
65°	30.7	28.9	27.2	25.5	25.6	25.6	24.4	23.8	24.6	25.7	27.0
62.5°	36.5	29.1	24.3	21.9	22.3	23.1	20.8	19.1	18.6	18.2	18.4
60°	39.3	27.4	19.3	16.3	14.6	13.7	12.2	10.5	9.9	9.8	10.0
57.5°	39.7	26.0	15.3	12.1	9.2	7.1	6.0	5.2	5.2	5.1	4.9
55°	38.4	26.3	14.9	13.6	12.5	11.4	9.9	9.6	9.1	9.1	9.6
52.5°	39.8	36.9	30.2	29.3	35.8	35.9	30.9	38.1	42.9	46.7	48.4
50°	78.7	75.6	95.6	95.5	115.7	133.0	127.9	138.0	155.5	170.6	179.9
47.5°	183.9	198.4	228.2	255.0	285.3	323.6	340.5	352.6	367.8	388.2	401.9
45°	342.5	378.4	417.2	460.6	511.2	556.0	582.1	607.3	623.8	642.1	663.6
42.5°	508.6	551.4	608.9	660.8	715.6	768.0	809.2	845.6	916.4	1017.6	1097.9
40°	650.8	699.4	766.2	835.4	900.0	966.2	1148.3	1303.6	1497.0	1785.8	2041.7
37.5°	792.0	848.2	922.7	1007.5	1202.4	1399.6	1797.4	2227.1	2599.4	3016.8	3438.5
35°	945.8	1019.6	1119.4	1404.7	1765.3	2291.1	2861.5	3499.7	4041.4	4624.4	5478.4
32.5°	1127.4	1256.5	1578.8	2097.4	2744.0	3490.9	4198.5	5000.7	5677.3	6748.3	8052.7
30°	1361.7	1766.1	2385.0	3101.0	3973.6	4919.0	5806.1	7105.5	8623.5	9967.3	11076.9
27.5°	1926.5	2707.8	3571.8	4479.1	5571.9	6717.4	8577.6	10259.3	11892.6	13343.5	15029.2
25°	2769.9	4023.3	5500.0	6716.3	8201.2	10271.6	12375.0	14227.1	16709.4	18892.6	21341.7
22.5°	3962.8	5747.6	7649.7	9425.6	11705.9	14298.9	17128.8	20541.4	23989.7	27820.1	31227.8
20°	5127.2	7385.3	9794.1	12350.6	15270.9	18513.0	23139.0	28677.2	33990.9	40025.7	45114.3
17.5°	6677.8	9407.5	12256.3	15506.0	19260.6	24248.5	31076.4	38649.2	46866.2	55877.5	64210.7
15°	8254.6	11195.3	14505.5	18664.7	23975.5	30754.5	39465.2	49774.2	61790.9	75038.0	91142.9
12.5°	9546.8	12762.4	16633.2	21874.7	28820.7	37886.4	48440.2	60849.8	77324.3	97304.5	116015.4
10°	10650.9	14506.6	19397.8	25601.2	33771.4	44005.7	55994.8	71358.8	93550.7	116697.0	137230.5
7.5°	11788.2	16349.6	21529.6	28255.5	37545.0	49161.9	63925.2	83988.5	108405.4	132145.8	150976.0
5°	12860.9	17606.3	22874.7	30060.7	40106.4	52583.0	69333.6	93770.7	120341.7	143593.8	161284.7
2.5°	13701.1	18238.4	23583.1	31405.0	41491.1	54442.3	72724.0	99819.8	127692.8	150608.9	168749.5
0°	14137.0	18581.2	23976.2	32245.7	42639.6	56148.7	74667.7	102489.3	130683.0	152999.2	171489.2
-2.5°	14040.5	18415.7	23732.8	31596.9	42377.1	56457.4	76283.9	103880.5	131198.1	153814.6	171240.3
-5°	13837.6	18155.0	23398.7	30799.6	41437.3	55681.3	74529.0	99900.6	126283.2	149482.6	166423.2
-7.5°	13459.5	17718.6	22732.4	29633.4	39879.6	53368.1	70376.4	92423.2	117733.0	140977.1	157377.0
-10°	12903.3	17044.4	21776.2	28052.5	37254.5	49643.4	64103.3	81320.4	104996.7	126728.7	144951.1
-12.5°	12112.7	16090.7	20449.7	25843.0	34083.8	45001.8	57467.7	71773.0	88694.6	109653.6	126734.2
-15°	11106.7	14847.8	18898.3	23987.1	30877.7	39823.4	50333.8	61431.4	74401.2	88868.8	105517.9
-17.5°	9872.0	13386.2	17158.2	21545.3	27118.0	34623.5	42937.6	51596.9	60958.7	71605.5	81386.9
-20°	8399.8	11614.1	15168.8	19249.4	24024.4	29445.8	35489.5	42489.9	49746.5	57345.4	64068.6



REPORT NUMBER: P735961 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6904.8	9837.1	13224.4	16792.4	20942.7	25080.8	29140.2	34345.2	39949.1	45450.3	50454.6
-25°	5402.6	7991.3	11140.7	14487.2	17818.4	21198.5	24494.5	27726.6	31759.1	35300.1	38973.0
-27.5°	4291.2	6227.7	8872.2	11792.7	14695.4	17515.8	20365.5	23065.3	25608.4	27746.8	30223.1
-30°	3374.8	4681.9	6724.9	9023.0	11562.8	14047.9	16503.5	18784.1	20786.7	22547.5	24267.1
-32.5°	3051.3	3585.0	4799.0	6545.4	8549.1	10729.3	12781.9	14740.8	16391.8	18028.1	19568.9
-35°	2822.6	3116.4	3513.3	4604.3	5909.1	7644.2	9253.1	10878.8	12265.4	13899.6	15163.1
-37.5°	2635.1	2861.4	3112.3	3369.7	4163.2	5031.9	6190.3	7408.9	8480.1	9851.0	10966.5
-40°	2453.6	2654.0	2850.1	3045.8	3256.8	3450.6	4140.1	4768.5	5495.2	6433.0	7235.3
-42.5°	2278.2	2454.6	2624.5	2783.5	2930.9	3058.1	3196.9	3329.9	3722.3	4200.3	4567.4
-45°	2120.6	2270.7	2412.9	2547.3	2659.7	2761.5	2868.4	2979.8	3125.6	3258.2	3367.7
-47.5°	1986.8	2105.3	2221.9	2331.4	2417.7	2504.6	2589.8	2685.8	2799.4	2910.7	3003.8
-50°	1865.7	1968.3	2056.7	2134.3	2206.1	2279.6	2347.4	2432.7	2524.1	2616.2	2693.2
-52.5°	1749.6	1841.0	1914.8	1973.9	2028.6	2088.6	2146.9	2214.9	2289.1	2366.6	2427.8
-55°	1554.7	1670.7	1778.0	1833.5	1876.3	1925.8	1975.2	2030.3	2093.0	2158.0	2206.6
-57.5°	1339.3	1453.7	1554.8	1626.8	1697.9	1770.4	1824.8	1868.0	1924.7	1980.2	2022.1
-60°	1122.9	1218.9	1308.2	1380.9	1455.1	1527.7	1588.9	1645.1	1715.2	1778.9	1830.7
-62.5°	921.5	1005.5	1074.4	1133.2	1196.4	1259.7	1317.9	1373.4	1437.0	1494.2	1542.8
-65°	738.4	808.9	859.8	906.1	956.3	1008.6	1054.8	1100.8	1152.0	1197.8	1237.6
-67.5°	597.0	643.8	675.5	705.0	744.9	785.6	821.7	858.3	897.4	932.1	962.3
-70°	488.8	517.9	537.5	560.1	588.5	614.5	638.3	665.0	693.8	720.4	744.4
-72.5°	405.2	425.2	439.9	457.9	475.9	492.5	507.5	526.7	547.7	568.2	587.7
-75°	339.4	352.4	366.4	379.4	391.8	403.8	414.9	430.3	446.5	461.8	476.6
-77.5°	304.6	314.2	322.1	329.3	336.0	343.8	351.5	364.5	378.7	390.5	401.7
-80°	277.5	285.1	291.6	297.1	302.2	308.5	314.9	325.6	336.6	346.7	356.4
-82.5°	253.3	259.7	265.7	270.8	275.7	281.1	286.5	295.9	305.4	313.9	322.3
-85°	230.6	236.2	241.6	246.1	250.6	255.6	260.5	268.6	276.8	284.4	291.9
-87.5°	210.3	215.3	220.2	223.6	227.0	231.8	236.6	243.8	251.0	257.7	264.5
-90°	3.0	3.0	3.0	2.5	2.0	2.0	2.0	2.0	2.0	1.5	1.0



REPORT NUMBER: P735961 (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°	246.7	249.7	250.2	250.7	250.2	249.7	246.7	243.7	238.2	232.7	226.2
87.5°	1.5	1.0	1.5	2.0	1.5	1.0	1.5	2.0	2.0	2.0	2.5
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.6
77.5°	2.6	2.0	2.5	3.0	2.5	2.0	2.6	3.0	3.0	3.1	3.6
75°	4.4	4.0	3.5	3.0	3.5	4.0	4.4	4.9	5.2	5.5	5.8
72.5°	13.4	13.7	14.4	15.0	14.4	13.7	13.4	12.9	12.1	11.3	10.9
70°	16.1	15.1	15.0	15.0	15.0	15.1	16.1	16.7	16.4	16.1	16.0
67.5°	28.8	30.4	31.0	31.1	31.0	30.4	28.8	26.8	24.2	22.4	21.5
65°	28.0	29.0	29.1	29.1	29.1	29.0	28.0	27.0	25.7	24.6	23.8
62.5°	18.7	19.3	19.6	20.1	19.6	19.3	18.7	18.4	18.2	18.6	19.1
60°	10.5	11.1	11.5	12.0	11.5	11.1	10.5	10.0	9.8	9.9	10.5
57.5°	4.9	5.1	5.5	6.0	5.5	5.1	4.9	4.9	5.1	5.2	5.2
55°	10.1	10.6	10.9	11.0	10.9	10.6	10.1	9.6	9.1	9.1	9.6
52.5°	47.6	45.3	43.4	42.1	43.4	45.3	47.6	48.4	46.7	42.9	38.1
50°	183.8	179.3	174.2	169.5	174.2	179.3	183.8	179.9	170.6	155.5	138.0
47.5°	410.0	406.4	398.9	389.2	398.9	406.4	410.0	401.9	388.2	367.8	352.6
45°	693.0	713.1	722.1	717.1	722.1	713.1	693.0	663.6	642.1	623.8	607.3
42.5°	1125.3	1143.0	1144.6	1118.3	1144.6	1143.0	1125.3	1097.9	1017.6	916.4	845.6
40°	2226.8	2381.1	2434.0	2274.8	2434.0	2381.1	2226.8	2041.7	1785.8	1497.0	1303.6
37.5°	3946.6	4552.9	5058.6	5078.1	5058.6	4552.9	3946.6	3438.5	3016.8	2599.4	2227.1
35°	6396.2	7019.9	7321.5	7308.7	7321.5	7019.9	6396.2	5478.4	4624.4	4041.4	3499.7
32.5°	8990.0	9462.5	9764.5	9691.8	9764.5	9462.5	8990.0	8052.7	6748.3	5677.3	5000.7
30°	11869.5	12308.0	12659.9	12654.6	12659.9	12308.0	11869.5	11076.9	9967.3	8623.5	7105.5
27.5°	16401.4	17304.9	18022.9	17901.2	18022.9	17304.9	16401.4	15029.2	13343.5	11892.6	10259.3
25°	23407.6	25060.2	26228.6	25988.2	26228.6	25060.2	23407.6	21341.7	18892.6	16709.4	14227.1
22.5°	33757.6	35877.7	36764.0	36061.1	36764.0	35877.7	33757.6	31227.8	27820.1	23989.7	20541.4
20°	49962.1	53892.5	56336.0	54878.9	56336.0	53892.5	49962.1	45114.3	40025.7	33990.9	28677.2
17.5°	74996.1	83522.9	90260.1	90074.4	90260.1	83522.9	74996.1	64210.7	55877.5	46866.2	38649.2
15°	105164.6	114869.8	122342.7	123206.8	122342.7	114869.8	105164.6	91142.9	75038.0	61790.9	49774.2
12.5°	132177.3	142047.5	149360.5	151464.7	149360.5	142047.5	132177.3	116015.4	97304.5	77324.3	60849.8
10°	151429.2	161279.0	168357.3	170853.3	168357.3	161279.0	151429.2	137230.5	116697.0	93550.7	71358.8
7.5°	165552.2	176238.3	181544.1	184256.1	181544.1	176238.3	165552.2	150976.0	132145.8	108405.4	83988.5
5°	175714.5	185646.0	190779.0	194065.2	190779.0	185646.0	175714.5	161284.7	143593.8	120341.7	93770.7
2.5°	182120.8	191496.9	197661.0	200608.6	197661.0	191496.9	182120.8	168749.5	150608.9	127692.8	99819.8
0°	184188.4	193189.6	200098.6	202741.0	200098.6	193189.6	184188.4	171489.2	152999.2	130683.0	102489.3
-2.5°	183226.6	192044.1	197554.5	198622.7	197554.5	192044.1	183226.6	171240.3	153814.6	131198.1	103880.5
-5°	178221.7	186348.5	191436.8	192272.9	191436.8	186348.5	178221.7	166423.2	149482.6	126283.2	99900.6
-7.5°	169593.3	177700.1	181905.9	183144.3	181905.9	177700.1	169593.3	157377.0	140977.1	117733.0	92423.2
-10°	157083.0	164915.1	169410.0	170476.2	169410.0	164915.1	157083.0	144951.1	126728.7	104996.7	81320.4
-12.5°	140012.3	148367.5	153398.4	154506.8	153398.4	148367.5	140012.3	126734.2	109653.6	88694.6	71773.0
-15°	117876.7	126471.2	132893.4	134447.2	132893.4	126471.2	117876.7	105517.9	88868.8	74401.2	61431.4
-17.5°	92360.9	100961.3	106732.4	107834.2	106732.4	100961.3	92360.9	81386.9	71605.5	60958.7	51596.9
-20°	70385.1	75916.3	79173.5	79740.8	79173.5	75916.3	70385.1	64068.6	57345.4	49746.5	42489.9



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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°	54544.2	58261.8	60244.9	60524.7	60244.9	58261.8	54544.2	50454.6	45450.3	39949.1	34345.2
-25°	42266.6	44967.7	46444.7	46690.6	46444.7	44967.7	42266.6	38973.0	35300.1	31759.1	27726.6
-27.5°	32453.5	34131.4	35505.7	35219.6	35505.7	34131.4	32453.5	30223.1	27746.8	25608.4	23065.3
-30°	25680.0	26756.1	27567.9	27355.2	27567.9	26756.1	25680.0	24267.1	22547.5	20786.7	18784.1
-32.5°	20784.5	21627.6	22198.3	22350.4	22198.3	21627.6	20784.5	19568.9	18028.1	16391.8	14740.8
-35°	16154.7	16843.6	17239.1	17392.6	17239.1	16843.6	16154.7	15163.1	13899.6	12265.4	10878.8
-37.5°	11794.6	12398.9	12776.2	12907.3	12776.2	12398.9	11794.6	10966.5	9851.0	8480.1	7408.9
-40°	7849.6	8315.3	8624.3	8744.0	8624.3	8315.3	7849.6	7235.3	6433.0	5495.2	4768.5
-42.5°	4853.4	5071.3	5209.3	5252.6	5209.3	5071.3	4853.4	4567.4	4200.3	3722.3	3329.9
-45°	3452.2	3512.5	3547.0	3553.6	3547.0	3512.5	3452.2	3367.7	3258.2	3125.6	2979.8
-47.5°	3076.5	3124.0	3148.3	3149.4	3148.3	3124.0	3076.5	3003.8	2910.7	2799.4	2685.8
-50°	2756.8	2800.7	2822.9	2824.4	2822.9	2800.7	2756.8	2693.2	2616.2	2524.1	2432.7
-52.5°	2477.9	2512.9	2529.2	2529.5	2529.2	2512.9	2477.9	2427.8	2366.6	2289.1	2214.9
-55°	2246.4	2273.6	2283.7	2281.8	2283.7	2273.6	2246.4	2206.6	2158.0	2093.0	2030.3
-57.5°	2057.0	2083.6	2092.0	2089.2	2092.0	2083.6	2057.0	2022.1	1980.2	1924.7	1868.0
-60°	1871.2	1899.8	1910.5	1909.7	1910.5	1899.8	1871.2	1830.7	1778.9	1715.2	1645.1
-62.5°	1577.5	1599.4	1611.2	1614.8	1611.2	1599.4	1577.5	1542.8	1494.2	1437.0	1373.4
-65°	1264.9	1282.4	1291.8	1294.8	1291.8	1282.4	1264.9	1237.6	1197.8	1152.0	1100.8
-67.5°	981.9	994.4	1000.5	1002.0	1000.5	994.4	981.9	962.3	932.1	897.4	858.3
-70°	759.4	769.6	774.5	776.3	774.5	769.6	759.4	744.4	720.4	693.8	665.0
-72.5°	598.9	607.1	610.4	611.8	610.4	607.1	598.9	587.7	568.2	547.7	526.7
-75°	483.6	488.5	490.5	491.5	490.5	488.5	483.6	476.6	461.8	446.5	430.3
-77.5°	407.8	413.1	414.9	416.2	414.9	413.1	407.8	401.7	390.5	378.7	364.5
-80°	360.8	364.5	366.0	367.1	366.0	364.5	360.8	356.4	346.7	336.6	325.6
-82.5°	327.6	332.5	332.9	333.0	332.9	332.5	327.6	322.3	313.9	305.4	295.9
-85°	295.9	299.7	300.3	300.9	300.3	299.7	295.9	291.9	284.4	276.8	268.6
-87.5°	268.1	271.7	271.8	271.8	271.8	271.7	268.1	264.5	257.7	251.0	243.8
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	219.7	215.2	210.6	207.6	204.6	200.1	195.6	189.1	182.5	176.0	169.5
87.5°	2.9	2.9	2.9	2.9	3.0	3.4	3.8	3.9	4.0	4.0	4.0
85°	3.0	3.4	3.8	3.8	3.7	3.8	4.0	4.3	4.5	4.5	4.4
82.5°	3.8	3.9	4.0	4.0	4.0	4.3	4.5	4.7	5.0	5.1	5.2
80°	4.0	4.0	4.0	4.3	4.5	4.7	5.0	5.1	5.1	5.6	5.8
77.5°	4.0	4.0	4.1	4.6	5.0	5.1	5.2	5.6	5.8	5.9	6.0
75°	5.9	5.6	5.4	5.6	5.7	5.8	5.9	5.9	6.1	6.3	6.2
72.5°	10.6	10.3	9.9	9.4	8.8	9.0	9.0	8.5	8.0	7.5	6.9
70°	16.1	16.7	17.2	17.3	17.3	17.2	16.0	14.2	12.5	11.8	10.2
67.5°	21.5	22.0	23.5	25.8	25.5	25.1	24.1	22.7	20.3	18.0	14.8
65°	24.4	25.6	25.6	25.5	27.2	28.9	30.7	30.0	29.9	26.7	21.1
62.5°	20.8	23.1	22.3	21.9	24.3	29.1	36.5	39.9	41.8	38.9	31.8
60°	12.2	13.7	14.6	16.3	19.3	27.4	39.3	47.9	55.3	50.3	42.0
57.5°	6.0	7.1	9.2	12.1	15.3	26.0	39.7	51.4	59.9	56.7	51.3
55°	9.9	11.4	12.5	13.6	14.9	26.3	38.4	50.6	59.6	58.7	54.1
52.5°	30.9	35.9	35.8	29.3	30.2	36.9	39.8	52.5	60.8	61.8	58.2
50°	127.9	133.0	115.7	95.5	95.6	75.6	78.7	75.6	73.1	75.0	67.8
47.5°	340.5	323.6	285.3	255.0	228.2	198.4	183.9	149.1	141.8	109.4	103.7
45°	582.1	556.0	511.2	460.6	417.2	378.4	342.5	314.3	260.6	232.0	163.6
42.5°	809.2	768.0	715.6	660.8	608.9	551.4	508.6	475.6	439.0	384.1	324.1
40°	1148.3	966.2	900.0	835.4	766.2	699.4	650.8	600.9	575.0	531.8	473.7
37.5°	1797.4	1399.6	1202.4	1007.5	922.7	848.2	792.0	740.7	691.3	653.3	598.6
35°	2861.5	2291.1	1765.3	1404.7	1119.4	1019.6	945.8	887.2	826.2	764.9	713.2
32.5°	4198.5	3490.9	2744.0	2097.4	1578.8	1256.5	1127.4	1044.1	966.0	890.6	816.6
30°	5806.1	4919.0	3973.6	3101.0	2385.0	1766.1	1361.7	1221.4	1115.8	1020.7	923.7
27.5°	8577.6	6717.4	5571.9	4479.1	3571.8	2707.8	1926.5	1418.7	1278.4	1162.1	1046.9
25°	12375.0	10271.6	8201.2	6716.3	5500.0	4023.3	2769.9	1915.7	1474.4	1310.9	1173.7
22.5°	17128.8	14298.9	11705.9	9425.6	7649.7	5747.6	3962.8	2466.0	1685.6	1468.2	1306.8
20°	23139.0	18513.0	15270.9	12350.6	9794.1	7385.3	5127.2	3301.0	2149.8	1636.4	1436.2
17.5°	31076.4	24248.5	19260.6	15506.0	12256.3	9407.5	6677.8	4346.8	2584.5	1807.5	1563.5
15°	39465.2	30754.5	23975.5	18664.7	14505.5	11195.3	8254.6	5394.5	3191.2	2110.5	1705.6
12.5°	48440.2	37886.4	28820.7	21874.7	16633.2	12762.4	9546.8	6537.4	4009.9	2466.4	1826.3
10°	55994.8	44005.7	33771.4	25601.2	19397.8	14506.6	10650.9	7442.2	4664.2	2777.3	1932.5
7.5°	63925.2	49161.9	37545.0	28255.5	21529.6	16349.6	11788.2	8114.2	5165.9	3008.8	2014.3
5°	69333.6	52583.0	40106.4	30060.7	22874.7	17606.3	12860.9	8580.7	5483.8	3166.8	2082.8
2.5°	72724.0	54442.3	41491.1	31405.0	23583.1	18238.4	13701.1	9170.8	5752.6	3307.8	2151.4
0°	74667.7	56148.7	42639.6	32245.7	23976.2	18581.2	14137.0	9855.3	5933.6	3402.1	2206.6
-2.5°	76283.9	56457.4	42377.1	31596.9	23732.8	18415.7	14040.5	10116.0	6324.9	3497.6	2265.5
-5°	74529.0	55681.3	41437.3	30799.6	23398.7	18155.0	13837.6	10040.0	6432.5	3538.7	2307.3
-7.5°	70376.4	53368.1	39879.6	29633.4	22732.4	17718.6	13459.5	9609.8	6167.3	3557.3	2363.2
-10°	64103.3	49643.4	37254.5	28052.5	21776.2	17044.4	12903.3	9114.8	5809.3	3480.8	2399.3
-12.5°	57467.7	45001.8	34083.8	25843.0	20449.7	16090.7	12112.7	8434.4	5317.5	3306.8	2426.5
-15°	50333.8	39823.4	30877.7	23987.1	18898.3	14847.8	11106.7	7565.8	4682.0	3055.5	2431.1
-17.5°	42937.6	34623.5	27118.0	21545.3	17158.2	13386.2	9872.0	6691.8	4220.1	2867.7	2417.8
-20°	35489.5	29445.8	24024.4	19249.4	15168.8	11614.1	8399.8	5631.9	3748.0	2821.8	2412.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	29140.2	25080.8	20942.7	16792.4	13224.4	9837.1	6904.8	4576.8	3178.5	2722.5	2376.3
-25°	24494.5	21198.5	17818.4	14487.2	11140.7	7991.3	5402.6	3824.0	2987.2	2630.6	2310.9
-27.5°	20365.5	17515.8	14695.4	11792.7	8872.2	6227.7	4291.2	3152.2	2795.8	2507.8	2244.5
-30°	16503.5	14047.9	11562.8	9023.0	6724.9	4681.9	3374.8	2937.6	2635.6	2376.4	2140.4
-32.5°	12781.9	10729.3	8549.1	6545.4	4799.0	3585.0	3051.3	2731.3	2481.6	2253.0	2042.5
-35°	9253.1	7644.2	5909.1	4604.3	3513.3	3116.4	2822.6	2569.9	2337.9	2129.1	1942.6
-37.5°	6190.3	5031.9	4163.2	3369.7	3112.3	2861.4	2635.1	2411.8	2196.1	2017.2	1853.1
-40°	4140.1	3450.6	3256.8	3045.8	2850.1	2654.0	2453.6	2252.0	2075.8	1912.2	1767.9
-42.5°	3196.9	3058.1	2930.9	2783.5	2624.5	2454.6	2278.2	2113.0	1958.6	1819.7	1690.6
-45°	2868.4	2761.5	2659.7	2547.3	2412.9	2270.7	2120.6	1983.3	1851.7	1731.5	1613.6
-47.5°	2589.8	2504.6	2417.7	2331.4	2221.9	2105.3	1986.8	1865.6	1754.9	1637.8	1470.5
-50°	2347.4	2279.6	2206.1	2134.3	2056.7	1968.3	1865.7	1762.3	1636.0	1477.5	1320.6
-52.5°	2146.9	2088.6	2028.6	1973.9	1914.8	1841.0	1749.6	1608.3	1462.7	1311.5	1164.1
-55°	1975.2	1925.8	1876.3	1833.5	1778.0	1670.7	1554.7	1418.5	1276.7	1137.2	1010.6
-57.5°	1824.8	1770.4	1697.9	1626.8	1554.8	1453.7	1339.3	1211.4	1090.0	973.3	858.5
-60°	1588.9	1527.7	1455.1	1380.9	1308.2	1218.9	1122.9	1019.4	911.4	815.4	720.0
-62.5°	1317.9	1259.7	1196.4	1133.2	1074.4	1005.5	921.5	838.7	751.2	666.1	597.4
-65°	1054.8	1008.6	956.3	906.1	859.8	808.9	738.4	675.4	613.3	549.8	489.9
-67.5°	821.7	785.6	744.9	705.0	675.5	643.8	597.0	545.8	500.5	459.4	421.2
-70°	638.3	614.5	588.5	560.1	537.5	517.9	488.8	454.5	419.0	387.1	357.7
-72.5°	507.5	492.5	475.9	457.9	439.9	425.2	405.2	380.1	353.7	325.6	302.5
-75°	414.9	403.8	391.8	379.4	366.4	352.4	339.4	324.4	308.3	291.1	275.1
-77.5°	351.5	343.8	336.0	329.3	322.1	314.2	304.6	291.3	278.6	265.3	252.8
-80°	314.9	308.5	302.2	297.1	291.6	285.1	277.5	266.5	255.2	243.8	233.0
-82.5°	286.5	281.1	275.7	270.8	265.7	259.7	253.3	243.8	234.3	224.2	214.3
-85°	260.5	255.6	250.6	246.1	241.6	236.2	230.6	222.4	214.1	205.1	196.1
-87.5°	236.6	231.8	227.0	223.6	220.2	215.3	210.3	203.3	196.3	188.5	180.8
-90°	2.0	2.0	2.0	2.5	3.0	3.0	3.0	3.5	4.0	4.0	4.0



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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°	163.5	157.5	151.5	145.4	140.4	135.4	129.9	124.4	116.9	109.3	97.8
87.5°	4.3	4.6	5.1	5.6	5.5	5.5	6.0	6.4	6.4	6.3	6.8
85°	4.9	5.3	5.6	6.0	6.0	6.0	6.4	6.8	6.8	6.7	7.1
82.5°	5.6	5.9	5.9	6.0	6.3	6.5	6.9	7.3	7.2	7.1	7.4
80°	5.9	6.0	6.2	6.3	6.6	7.1	7.4	7.7	7.8	7.8	7.9
77.5°	6.0	6.1	6.6	6.9	6.9	7.1	7.6	8.1	8.4	8.5	8.6
75°	6.0	6.2	6.7	7.1	7.1	7.2	7.7	8.2	8.8	9.2	9.2
72.5°	6.7	6.7	7.0	7.2	7.5	7.8	8.1	8.4	9.1	9.6	9.8
70°	8.5	7.6	7.6	8.0	8.2	8.5	8.9	9.2	9.5	10.1	10.3
67.5°	11.1	9.9	9.1	9.1	9.3	9.6	9.9	10.1	10.4	10.6	10.9
65°	17.4	14.1	11.0	10.9	10.7	10.7	10.9	11.4	11.2	11.8	11.5
62.5°	25.2	20.2	16.9	14.0	13.1	13.8	12.2	13.6	12.5	13.2	12.8
60°	34.0	27.1	23.6	20.7	18.5	18.1	17.3	16.2	15.8	14.8	14.6
57.5°	41.6	33.3	31.3	28.2	26.8	25.0	23.9	21.9	19.7	18.4	16.5
55°	47.4	40.5	39.7	37.0	36.4	33.6	32.1	29.4	24.9	22.9	18.8
52.5°	50.9	49.9	49.0	48.9	48.3	44.2	42.5	37.5	33.6	27.6	23.2
50°	59.3	62.6	61.4	64.4	62.1	59.9	53.7	48.5	42.9	33.8	28.0
47.5°	87.5	90.0	83.2	85.3	81.2	78.0	70.3	61.1	52.9	43.0	33.1
45°	161.5	135.4	127.4	117.7	108.1	103.9	90.1	74.5	65.2	52.8	38.3
42.5°	264.4	228.1	203.3	156.7	153.1	135.6	114.1	96.1	78.1	62.9	45.8
40°	404.4	356.0	302.5	253.1	209.4	171.9	149.6	121.0	91.6	74.1	54.9
37.5°	538.7	483.7	429.2	362.4	283.6	232.5	190.1	148.1	109.2	87.0	64.2
35°	649.7	596.0	544.8	473.0	391.0	296.3	234.4	180.8	134.2	100.4	73.6
32.5°	749.7	687.8	627.1	568.8	480.2	361.4	288.3	218.2	159.9	114.3	83.1
30°	845.3	770.0	699.3	642.9	550.8	434.7	341.5	253.9	186.0	128.6	92.8
27.5°	944.5	852.6	769.0	703.3	608.1	497.6	383.4	287.7	212.5	144.4	103.3
25°	1050.9	942.8	850.2	766.7	665.8	544.4	420.9	319.8	240.2	162.6	113.4
22.5°	1163.5	1033.2	928.5	834.7	729.5	590.0	457.4	352.7	261.6	179.6	123.0
20°	1270.0	1117.4	1000.0	891.2	790.5	641.6	494.9	379.2	281.6	195.3	132.0
17.5°	1376.0	1198.5	1055.4	940.8	842.5	694.9	533.4	404.1	300.1	209.9	140.5
15°	1475.8	1277.6	1111.0	984.6	884.1	745.1	571.0	427.4	317.2	223.1	149.0
12.5°	1568.4	1352.2	1166.0	1022.3	915.1	790.2	606.9	449.1	332.6	236.4	157.6
10°	1651.4	1422.2	1219.6	1058.4	942.0	830.2	640.7	473.0	352.5	249.5	165.7
7.5°	1719.7	1486.2	1269.0	1092.6	966.3	864.5	677.3	503.5	372.1	261.4	173.2
5°	1778.2	1544.0	1318.2	1132.6	994.5	892.3	710.5	532.4	390.4	272.0	180.0
2.5°	1831.2	1594.7	1364.4	1170.7	1020.6	914.5	739.5	558.9	406.9	281.2	186.2
0°	1874.6	1636.9	1404.2	1204.6	1044.1	931.8	764.3	582.7	421.3	288.9	191.6
-2.5°	1913.8	1666.8	1437.1	1240.1	1083.3	957.7	779.4	594.6	433.2	299.0	198.2
-5°	1942.5	1688.6	1463.7	1271.3	1118.4	978.5	790.3	603.3	442.6	307.5	203.9
-7.5°	1987.7	1714.0	1487.5	1298.6	1148.5	993.7	796.6	608.8	449.5	314.0	208.8
-10°	2023.0	1737.3	1509.5	1321.1	1168.2	1006.4	799.9	611.2	453.8	318.6	212.7
-12.5°	2050.4	1754.1	1524.3	1337.8	1183.8	1017.3	808.5	613.9	455.4	321.0	215.7
-15°	2071.2	1778.6	1539.6	1349.2	1196.9	1022.8	810.7	613.8	453.4	320.6	217.6
-17.5°	2077.8	1788.1	1547.2	1358.2	1206.0	1023.1	806.2	608.6	448.4	317.4	218.8
-20°	2081.1	1791.9	1544.3	1359.0	1208.8	1011.1	794.5	598.1	440.3	312.4	219.5



REPORT NUMBER: P735961 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2071.5	1793.5	1554.4	1357.6	1199.1	992.2	775.4	582.5	429.1	305.5	219.1
-25°	2031.0	1785.2	1556.3	1362.4	1173.7	965.4	755.0	566.2	414.7	296.6	217.9
-27.5°	1982.2	1753.9	1546.8	1356.4	1147.6	934.1	732.9	552.3	402.3	285.9	215.6
-30°	1928.3	1717.9	1524.4	1334.4	1112.6	900.0	706.2	534.1	390.8	279.4	212.5
-32.5°	1852.0	1676.0	1494.7	1288.4	1069.3	860.0	674.2	511.3	376.3	275.7	209.7
-35°	1777.9	1624.9	1458.4	1232.5	1018.5	819.4	639.4	483.8	358.8	270.5	206.5
-37.5°	1699.4	1561.5	1387.2	1167.5	958.9	772.5	604.1	457.5	338.3	263.7	202.3
-40°	1628.6	1477.1	1288.7	1093.9	896.8	718.6	564.1	431.8	325.1	255.3	197.0
-42.5°	1553.6	1363.9	1184.4	1007.4	828.8	666.1	521.0	403.1	314.2	247.2	190.6
-45°	1430.5	1247.5	1073.6	914.1	755.2	608.1	485.0	373.9	301.3	238.5	185.1
-47.5°	1300.7	1127.4	963.4	816.2	683.8	549.3	443.3	356.9	286.4	228.5	181.9
-50°	1165.4	1006.6	855.2	724.1	602.3	499.5	403.5	337.5	273.1	217.0	178.0
-52.5°	1025.8	886.6	752.8	631.6	535.3	446.2	376.1	315.1	258.2	209.5	173.6
-55°	886.7	770.9	651.7	551.9	470.1	406.6	346.5	293.7	241.7	203.2	168.9
-57.5°	756.7	655.2	564.1	480.1	418.0	368.1	318.4	270.8	231.2	196.1	166.2
-60°	631.4	557.9	481.1	423.2	373.6	331.3	290.5	250.3	221.8	189.0	162.7
-62.5°	528.6	467.9	422.6	374.2	332.3	297.1	263.9	237.4	211.1	183.9	158.7
-65°	447.8	408.4	368.3	330.7	294.3	266.6	248.2	223.9	202.4	178.3	154.2
-67.5°	384.2	352.5	321.3	288.3	265.8	248.5	231.5	213.2	194.1	172.2	149.1
-70°	328.3	300.1	281.1	263.9	246.2	230.9	219.0	203.5	185.6	165.8	143.7
-72.5°	286.6	271.7	257.3	242.1	229.8	218.3	207.2	193.5	176.9	159.0	138.0
-75°	260.9	249.2	238.2	226.9	216.0	205.5	195.2	183.2	168.0	151.8	132.1
-77.5°	242.6	232.5	221.9	211.6	202.2	192.6	183.1	172.5	158.7	144.2	125.9
-80°	224.4	215.5	206.2	197.2	188.5	179.6	171.2	161.8	149.3	136.4	119.4
-82.5°	206.2	198.2	190.6	182.8	175.1	167.5	159.5	151.0	139.7	128.2	113.3
-85°	189.3	182.4	175.3	168.1	161.7	155.3	148.2	141.0	131.6	122.0	108.3
-87.5°	175.0	169.0	162.7	156.3	150.9	145.4	139.1	132.8	124.3	115.7	103.2
-90°	4.0	4.0	4.5	5.0	5.0	5.0	5.5	6.0	6.0	6.0	6.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	86.3	71.7	57.2	41.1	25.1	17.0	9.0
87.5°	7.3	7.3	7.3	7.3	7.2	8.2	9.0
85°	7.5	7.7	7.7	7.5	7.4	8.4	9.0
82.5°	7.8	8.0	8.0	7.8	7.5	8.5	9.0
80°	8.1	8.3	8.4	8.0	7.7	8.7	9.0
77.5°	8.6	8.7	8.7	8.3	8.0	8.9	9.0
75°	9.2	9.2	9.1	8.5	8.2	9.1	9.0
72.5°	9.7	9.6	9.4	8.8	8.4	9.3	9.0
70°	10.3	10.0	9.8	9.1	8.7	9.5	9.0
67.5°	10.9	10.5	10.2	9.5	8.9	9.7	9.0
65°	11.7	11.1	10.6	9.9	9.2	9.9	9.0
62.5°	12.5	12.0	11.1	10.3	9.5	10.1	9.0
60°	13.5	13.0	11.5	10.7	9.8	10.3	9.0
57.5°	15.4	14.0	12.5	11.1	10.3	10.5	9.0
55°	17.5	15.1	13.7	11.5	10.9	10.7	9.0
52.5°	19.7	16.3	14.8	12.0	11.6	10.9	9.0
50°	22.0	18.6	16.1	12.4	12.2	11.1	9.0
47.5°	24.8	21.0	17.3	13.0	12.9	11.3	9.0
45°	29.3	23.5	18.7	14.0	13.6	11.5	9.0
42.5°	34.0	26.1	20.1	15.1	14.4	11.8	9.0
40°	38.9	28.8	21.8	16.6	15.2	12.0	9.0
37.5°	44.0	31.5	24.0	18.3	16.0	12.2	9.0
35°	49.1	35.2	26.1	20.1	16.8	12.4	9.0
32.5°	55.1	39.3	28.2	21.9	17.7	12.6	9.0
30°	62.7	43.4	30.4	23.7	18.6	12.8	9.0
27.5°	70.2	47.3	33.3	25.5	19.5	13.0	9.0
25°	77.4	51.2	36.3	27.4	20.4	13.2	9.0
22.5°	84.4	55.3	39.1	29.2	21.4	13.5	9.0
20°	91.0	59.8	42.0	31.0	22.3	13.7	9.0
17.5°	98.0	64.3	44.7	32.8	23.2	13.8	9.0
15°	104.8	68.6	47.4	34.6	24.1	14.0	9.0
12.5°	111.2	72.7	49.9	36.3	25.0	14.2	9.0
10°	117.2	76.7	52.4	38.0	25.9	14.4	9.0
7.5°	122.8	80.4	54.8	39.6	26.8	14.6	9.0
5°	127.8	84.0	57.0	41.2	27.6	14.7	9.0
2.5°	132.4	87.3	59.2	42.7	28.4	14.9	9.0
0°	136.4	90.3	61.2	44.1	29.1	15.0	9.0
-2.5°	141.1	93.9	64.1	46.0	30.2	15.5	9.0
-5°	145.2	97.3	66.8	47.7	31.3	16.1	9.0
-7.5°	148.8	100.3	69.3	49.4	32.3	16.6	9.0
-10°	151.7	103.1	71.7	51.0	33.2	17.1	9.0
-12.5°	154.0	105.5	73.9	52.5	34.1	17.6	9.0
-15°	155.7	107.5	75.9	53.8	34.9	18.0	9.0
-17.5°	156.7	109.3	77.6	55.0	35.6	18.4	9.0
-20°	157.5	110.7	79.2	56.1	36.3	18.8	9.0



REPORT NUMBER: P735961 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	158.3	111.8	80.6	57.0	36.9	19.2	9.0
-25°	158.3	113.1	81.7	57.9	37.4	19.6	9.0
-27.5°	157.7	114.3	82.5	58.5	37.9	19.9	9.0
-30°	156.3	115.0	83.2	59.0	38.3	20.2	9.0
-32.5°	154.1	115.4	84.3	59.4	38.6	20.4	9.0
-35°	153.3	115.4	85.2	59.6	38.8	20.6	9.0
-37.5°	152.9	115.4	85.8	59.7	38.9	20.8	9.0
-40°	151.9	115.9	86.2	59.6	39.0	21.0	9.0
-42.5°	150.3	116.1	86.5	59.6	39.0	21.1	9.0
-45°	148.0	116.0	86.7	59.7	38.9	21.2	9.0
-47.5°	145.3	115.5	86.6	59.7	38.7	21.2	9.0
-50°	143.8	114.8	86.2	59.7	38.5	21.2	9.0
-52.5°	142.2	113.7	85.6	59.6	38.2	21.2	9.0
-55°	140.3	112.4	84.8	59.3	37.8	21.2	9.0
-57.5°	138.1	110.7	83.7	58.9	37.3	21.1	9.0
-60°	135.4	108.7	82.4	58.3	36.7	20.9	9.0
-62.5°	132.4	106.4	81.3	57.6	36.2	20.8	9.0
-65°	129.1	103.7	79.9	56.7	35.6	20.6	9.0
-67.5°	125.3	101.1	78.4	55.7	34.8	20.3	9.0
-70°	121.2	98.4	76.6	54.5	34.0	20.1	9.0
-72.5°	117.1	95.4	74.6	53.2	33.1	19.8	9.0
-75°	112.6	92.1	72.5	51.8	32.2	19.5	9.0
-77.5°	107.8	88.6	70.3	50.3	31.1	19.1	9.0
-80°	102.7	85.3	68.0	48.7	30.0	18.7	9.0
-82.5°	98.8	82.2	65.5	47.0	28.9	18.3	9.0
-85°	94.8	78.8	62.9	45.1	27.6	17.9	9.0
-87.5°	90.6	75.4	60.1	43.2	26.4	17.5	9.0
-90°	7.0	7.0	7.0	7.0	7.0	8.0	9.0

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

