

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: P731590 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-7F-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731590 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-44)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-7F-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

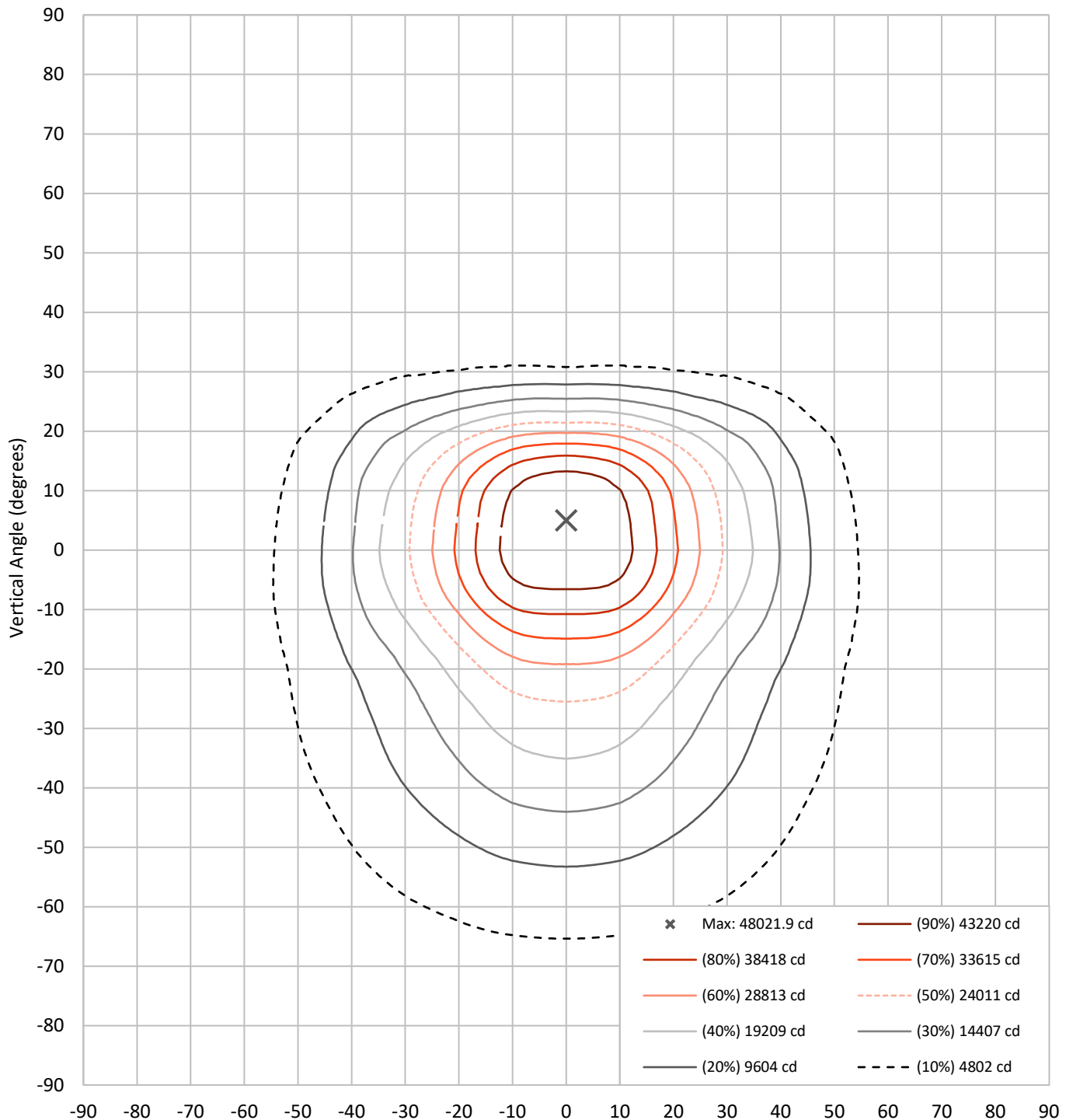
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	47053.3 lumens	Max Intensity:	48021.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	84.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.7°H x 46.8°V	Field Angle (10%):	107.9°H x 96.1°V
Beam Lumens:	22631.7 lumens	Field Lumens:	43619.8 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

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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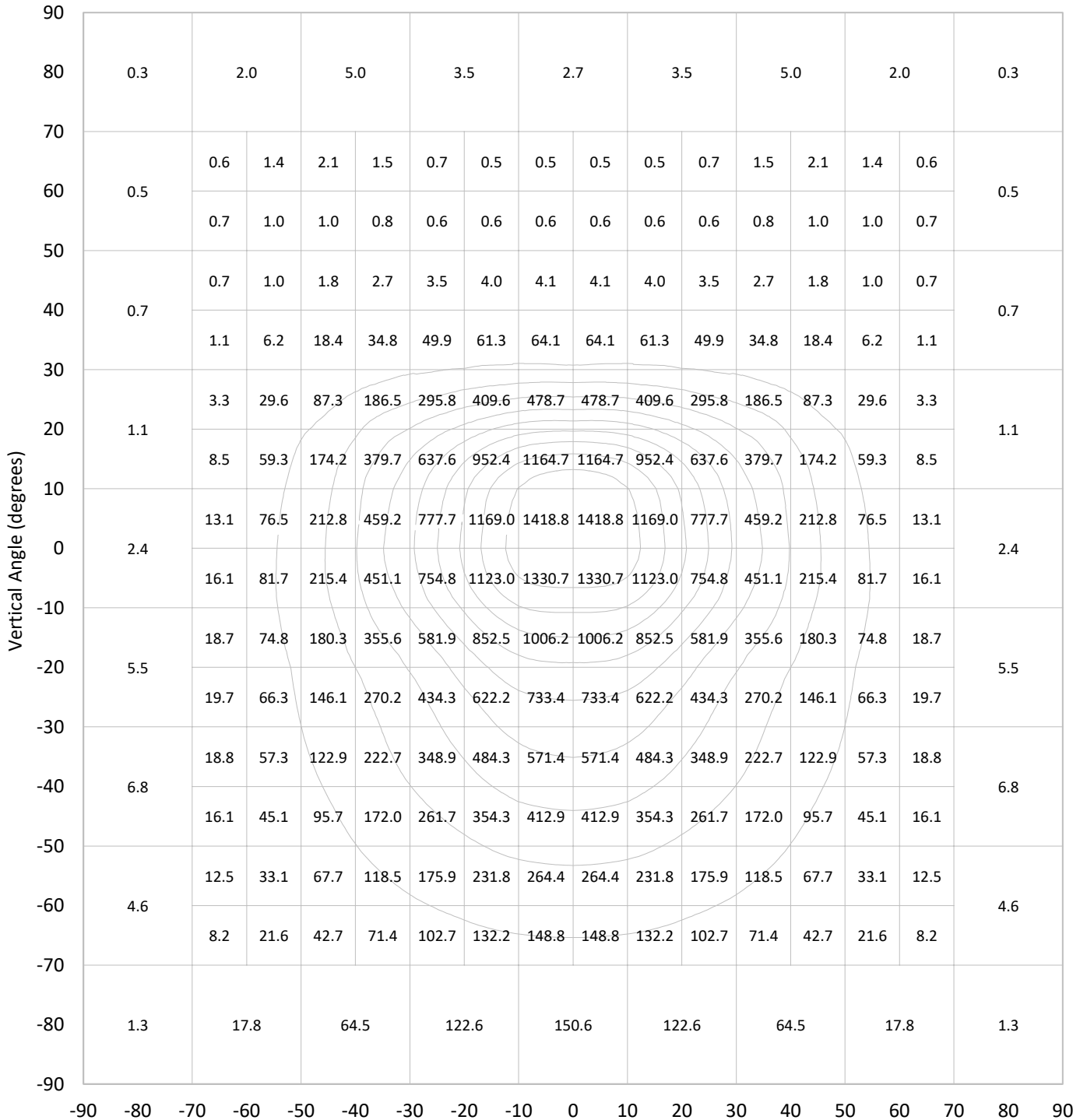
Iso-Candela Plot





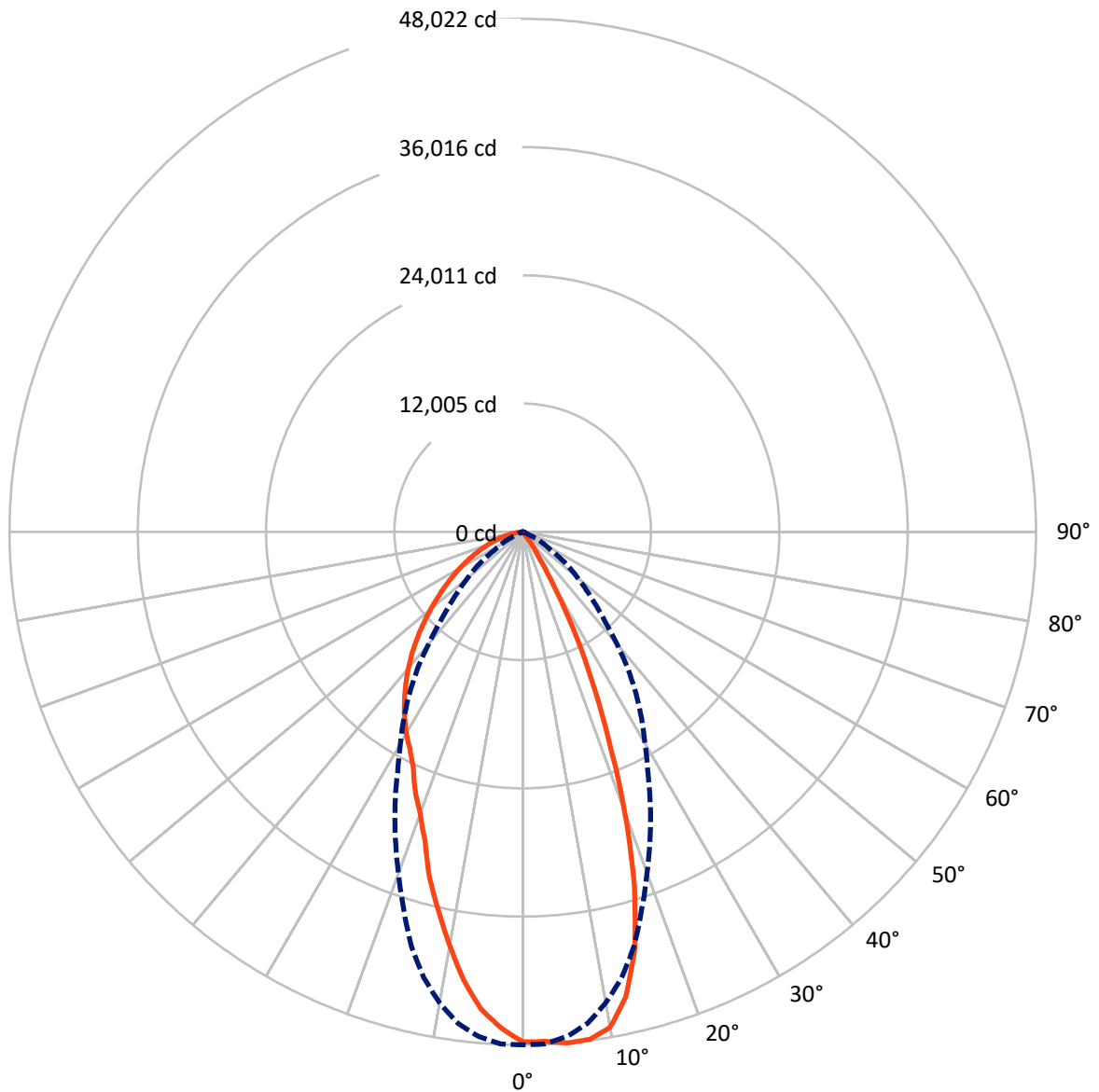
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Lumen Table



REPORT NUMBER: P731590 (CONVERTED FROM TYPE C PHOTOMETRY)
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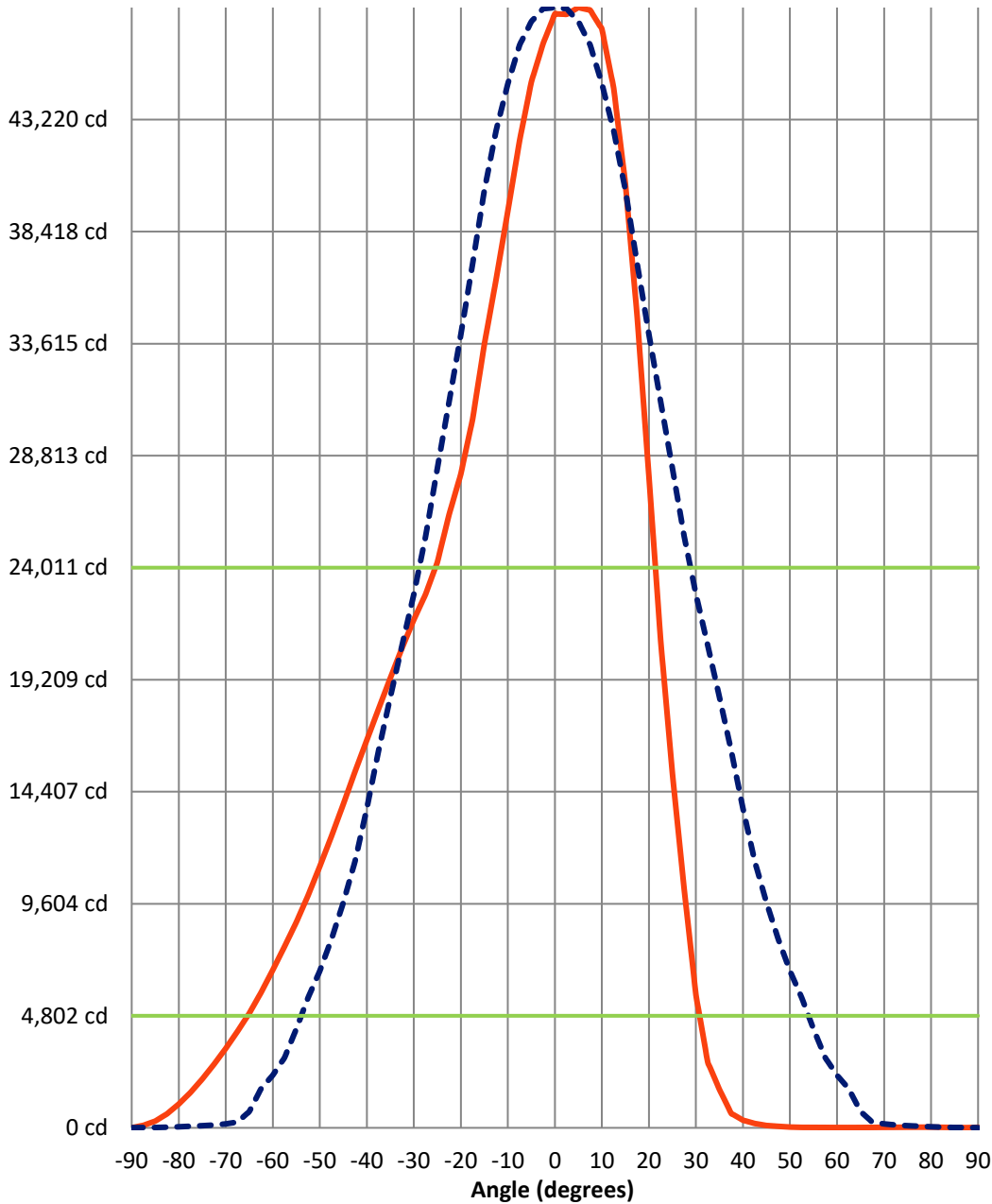
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 22631.7
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 43619.8
 Efficiency: 92.7%

Spill:
 Lumens: 3433.5
 Efficiency: 7.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 5-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°	6.6	7.4	8.2	8.6	9.1	9.5	9.9	10.3	10.7	11.1	11.5
87.5°	6.6	7.6	8.8	8.9	9.1	9.5	10.0	9.9	9.7	9.4	9.1
85°	6.6	7.9	9.3	9.9	10.8	12.0	13.4	13.6	13.6	13.5	13.3
82.5°	6.6	8.1	9.9	11.0	12.5	14.4	16.7	17.3	17.6	18.5	20.5
80°	6.6	8.4	10.5	12.1	14.2	16.8	19.7	20.1	21.7	24.7	29.2
77.5°	6.6	8.6	11.0	13.1	15.8	18.5	20.4	22.2	25.5	30.7	35.8
75°	6.6	8.9	11.5	14.1	17.1	18.8	21.1	24.1	28.9	32.9	36.9
72.5°	6.6	9.1	12.0	15.1	17.2	19.1	21.7	25.5	29.7	33.8	37.9
70°	6.6	9.3	12.5	15.8	17.2	19.3	22.3	26.2	30.4	34.6	39.9
67.5°	6.6	9.5	13.0	15.7	17.1	19.5	22.9	26.8	31.1	36.6	42.0
65°	6.6	9.7	13.5	15.5	17.1	19.9	23.6	27.3	32.7	38.4	44.4
62.5°	6.6	9.9	13.9	15.3	17.0	20.5	24.3	28.4	34.3	40.3	47.3
60°	6.6	10.1	14.4	15.1	16.8	21.2	24.9	29.7	35.8	42.5	50.0
57.5°	6.6	10.3	14.2	14.9	17.4	21.8	26.2	31.0	37.3	44.5	51.3
55°	6.6	10.5	14.1	14.6	17.9	22.5	27.5	32.5	38.8	46.1	52.1
52.5°	6.6	10.6	14.0	14.3	18.5	23.2	28.8	34.1	40.0	46.9	52.9
50°	6.6	10.8	13.9	14.0	19.0	24.3	30.0	35.9	41.0	47.8	53.2
47.5°	6.6	10.9	13.8	13.9	19.5	25.3	31.3	37.8	41.8	48.7	54.1
45°	6.6	11.1	13.8	14.3	20.0	26.3	33.2	39.9	44.2	50.4	55.8
42.5°	6.6	11.2	13.7	14.6	20.5	27.2	35.1	42.3	47.0	52.7	58.6
40°	6.6	11.3	13.7	15.2	21.1	28.1	37.1	44.9	50.4	55.8	62.3
37.5°	6.6	11.4	13.7	16.0	21.8	29.0	39.1	47.8	54.9	61.2	66.8
35°	6.6	11.5	13.7	16.8	22.4	30.3	41.2	50.9	59.6	67.7	73.3
32.5°	6.6	11.5	13.7	17.6	23.0	31.9	43.5	54.2	64.5	75.1	85.4
30°	6.6	11.6	13.8	18.5	23.5	33.5	46.1	57.7	69.6	83.2	99.4
27.5°	6.6	11.7	13.8	19.3	25.2	35.1	48.7	61.9	75.5	92.0	115.0
25°	6.6	11.7	13.9	20.2	27.1	36.6	51.3	66.0	82.5	103.7	133.9
22.5°	6.6	11.7	14.0	21.1	29.1	38.9	53.9	70.2	89.8	117.3	196.5
20°	6.6	11.8	14.1	21.9	31.2	43.1	56.6	74.4	97.3	131.6	266.7
17.5°	6.6	11.8	14.1	22.8	33.4	47.3	61.4	78.5	104.9	146.4	342.6
15°	6.6	11.8	14.2	23.7	35.5	51.6	67.6	84.7	112.5	161.4	422.5
12.5°	6.6	11.7	14.3	24.5	37.7	55.9	73.7	93.7	124.3	176.3	504.3
10°	6.6	11.7	14.4	25.3	39.8	60.1	79.7	102.6	139.5	199.5	581.5
7.5°	6.6	11.7	14.5	26.1	41.9	64.3	85.6	111.5	154.7	223.4	644.2
5°	6.6	11.6	14.6	26.8	44.0	68.3	91.3	120.2	169.5	246.6	699.0
2.5°	6.6	11.6	14.7	27.4	45.9	72.1	96.8	128.6	183.9	268.8	745.1
0°	6.6	11.5	14.8	28.0	47.7	75.7	102.0	136.6	197.5	289.7	781.8
-2.5°	6.6	11.7	15.9	31.4	55.4	90.5	127.6	179.6	264.5	387.5	883.9
-5°	6.6	11.9	17.1	34.7	63.0	104.8	152.6	221.5	329.6	482.2	975.9
-7.5°	6.6	12.1	18.1	37.9	70.1	118.6	176.6	261.6	391.8	572.4	1057.9
-10°	6.6	12.3	19.2	40.9	76.9	131.5	199.3	299.4	450.0	656.7	1129.9
-12.5°	6.6	12.4	20.2	43.6	83.2	143.5	220.5	334.3	503.3	733.8	1197.1
-15°	6.6	12.6	21.1	46.1	88.8	154.3	239.8	365.7	553.9	803.5	1254.6
-17.5°	6.6	12.7	22.0	48.3	93.9	163.8	256.9	399.3	602.7	865.1	1299.1
-20°	6.6	12.8	22.7	50.3	98.2	172.0	275.7	433.6	645.7	917.9	1330.1



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.6	12.9	23.4	51.8	101.7	178.6	298.1	463.4	682.5	961.2	1347.2
-25°	6.6	13.0	24.0	53.0	104.3	188.6	317.1	488.5	712.6	994.4	1350.2
-27.5°	6.6	13.0	24.5	53.9	106.1	198.8	332.7	508.4	735.8	1020.6	1382.2
-30°	6.6	13.0	24.9	54.3	107.3	206.7	344.4	523.1	755.6	1043.9	1402.4
-32.5°	6.6	13.0	25.2	54.3	111.3	212.2	352.3	535.6	770.4	1057.8	1408.5
-35°	6.6	13.0	25.3	53.9	114.0	215.3	357.9	543.5	777.7	1062.0	1400.3
-37.5°	6.6	13.0	25.3	53.0	115.2	216.8	360.6	545.6	777.4	1056.3	1358.9
-40°	6.6	12.9	25.2	51.7	114.9	217.6	359.5	541.9	769.4	1046.5	1315.2
-42.5°	6.6	12.8	25.0	50.5	114.3	216.0	354.7	532.2	757.3	1010.9	1263.3
-45°	6.6	12.7	24.7	49.9	113.6	212.0	346.1	519.0	739.1	966.0	1204.7
-47.5°	6.6	12.6	24.2	48.6	111.7	205.7	333.7	503.7	712.7	914.9	1146.4
-50°	6.6	12.4	23.6	48.2	108.5	197.1	321.5	483.4	668.6	863.8	1080.8
-52.5°	6.6	12.2	22.9	47.7	104.1	186.1	306.6	458.1	625.7	806.8	1008.8
-55°	6.6	12.0	22.1	46.6	98.6	176.9	288.4	428.8	580.7	744.3	936.4
-57.5°	6.6	11.8	21.1	45.1	91.9	166.6	267.2	400.5	531.4	683.6	857.7
-60°	6.6	11.5	20.1	43.0	84.4	154.6	243.7	364.8	479.9	619.8	776.1
-62.5°	6.6	11.3	19.3	40.5	79.1	141.0	224.2	325.2	431.8	551.4	695.2
-65°	6.6	11.0	18.5	37.5	73.0	125.9	202.5	286.2	380.7	487.9	609.2
-67.5°	6.6	10.7	17.7	34.1	66.1	111.9	178.7	252.5	326.9	423.5	529.0
-70°	6.6	10.4	16.8	30.3	58.5	99.2	153.1	217.2	283.1	356.1	449.5
-72.5°	6.6	10.0	15.8	27.8	50.3	85.5	131.7	180.3	237.8	301.2	370.4
-75°	6.6	9.7	14.8	25.4	41.5	70.9	109.8	148.3	190.9	244.6	303.4
-77.5°	6.6	9.3	13.8	22.8	35.9	55.6	86.9	117.4	151.2	189.3	234.4
-80°	6.6	8.9	12.7	20.2	30.8	44.6	63.0	85.7	111.5	140.6	173.1
-82.5°	6.6	8.6	11.6	17.4	25.5	36.1	49.0	59.0	70.9	91.0	113.5
-85°	6.6	8.2	10.5	14.5	20.1	27.4	36.2	42.9	50.0	57.6	65.6
-87.5°	6.6	7.8	9.3	11.6	14.6	18.5	23.1	26.6	30.4	34.4	38.6
-90°	6.6	7.4	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.3	4.9



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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°	11.5	11.5	11.5	11.5	11.9	12.4	12.8	13.2	14.0	14.9	15.7
87.5°	9.7	10.3	10.9	11.5	10.7	9.7	8.5	7.2	7.6	8.1	8.5
85°	14.4	15.6	17.1	18.2	17.3	16.6	16.1	15.7	16.6	17.3	17.9
82.5°	22.5	23.9	24.7	24.9	25.3	26.1	27.5	30.4	32.3	33.6	34.3
80°	31.4	32.3	33.0	35.2	39.1	43.7	48.8	54.4	56.3	56.5	55.8
77.5°	36.8	38.8	42.7	48.4	54.9	61.4	68.5	76.3	78.6	77.9	76.4
75°	40.0	44.7	51.5	59.8	68.3	77.1	86.4	95.2	97.7	94.9	91.3
72.5°	43.0	50.2	59.2	70.0	79.4	88.4	98.4	109.5	113.3	107.7	101.1
70°	46.1	55.1	65.4	76.1	86.7	97.0	106.8	117.4	123.7	114.9	101.6
67.5°	48.7	59.2	70.1	81.1	90.8	100.9	111.9	116.4	119.2	105.1	90.0
65°	51.8	62.9	72.8	82.6	92.9	97.1	100.7	104.5	104.0	87.8	71.7
62.5°	54.9	63.9	73.5	81.1	83.7	86.1	86.1	83.7	79.7	68.6	54.8
60°	56.0	63.8	70.4	73.0	73.6	71.2	68.1	65.0	60.2	50.9	41.5
57.5°	56.6	60.8	63.9	64.7	61.8	57.1	55.0	50.1	46.0	40.6	32.8
55°	56.3	55.8	57.6	56.0	52.7	48.8	45.0	41.8	36.7	35.1	31.6
52.5°	54.8	52.4	51.6	49.8	47.5	43.7	39.9	37.3	36.0	34.0	31.2
50°	54.4	51.1	47.2	47.0	45.2	42.4	38.4	37.8	37.9	36.1	32.7
47.5°	55.0	51.2	46.2	46.3	46.5	47.5	44.1	42.6	43.1	48.0	42.8
45°	56.8	54.8	49.6	49.4	54.0	60.2	65.6	50.5	65.8	73.4	79.4
42.5°	59.8	60.8	63.4	54.1	71.5	93.5	104.0	109.4	103.8	127.8	152.6
40°	66.4	68.7	87.1	94.3	101.8	147.3	210.4	225.2	171.1	238.0	279.3
37.5°	74.6	97.8	129.8	168.4	164.9	260.0	358.8	434.7	427.2	403.9	578.4
35°	83.9	133.7	219.8	306.0	343.7	433.8	616.1	748.2	826.8	874.2	1017.9
32.5°	109.8	176.1	332.4	515.3	672.8	762.1	934.3	1223.8	1497.7	1661.3	1659.6
30°	155.2	280.6	491.3	772.3	1078.5	1329.6	1472.0	1844.0	2366.0	2737.4	2984.7
27.5°	222.3	407.5	736.4	1143.5	1572.4	1998.8	2283.0	2766.3	3468.8	4034.7	4563.2
25°	304.2	609.1	1012.5	1585.0	2215.7	2757.3	3166.0	3837.9	4728.0	5615.6	6499.8
22.5°	434.7	843.3	1318.9	2067.6	2925.6	3541.1	4141.5	4960.5	5990.0	7235.9	8584.2
20°	616.6	1115.8	1646.0	2446.4	3635.6	4339.1	5076.2	6053.6	7254.4	8768.7	10568.8
17.5°	813.1	1373.2	1966.8	2859.0	4019.3	4994.2	5984.0	7097.9	8443.5	10200.2	12139.3
15°	1019.8	1615.2	2253.4	3227.5	4378.6	5431.9	6603.0	8051.7	9638.5	11538.3	13566.7
12.5°	1231.7	1841.8	2507.4	3552.0	4721.5	5828.4	7077.3	8584.0	10430.0	12658.5	14787.9
10°	1443.6	2052.9	2730.6	3833.3	5043.2	6182.9	7484.6	9026.3	10904.4	13137.1	15438.7
7.5°	1573.5	2192.2	2913.0	4072.1	5338.3	6494.7	7826.6	9381.6	11233.0	13479.3	15851.3
5°	1671.8	2254.8	3007.8	4234.8	5571.6	6725.7	8093.4	9653.8	11430.8	13687.8	16164.7
2.5°	1748.3	2300.9	3083.6	4355.8	5747.9	6851.2	8252.2	9828.0	11636.9	13946.9	16481.1
0°	1802.2	2332.1	3138.6	4438.8	5880.5	6932.2	8355.8	9932.5	11780.8	14172.2	16762.7
-2.5°	1854.6	2428.5	3250.4	4544.6	5899.7	6944.3	8395.2	9936.8	11780.7	14128.5	16646.0
-5°	1887.5	2508.8	3338.7	4611.3	5880.1	6919.4	8373.5	9877.2	11652.4	13872.3	16213.4
-7.5°	1904.6	2570.2	3402.4	4621.3	5778.5	6773.5	8111.8	9525.3	11228.6	13308.8	15467.4
-10°	1913.7	2607.2	3395.6	4482.2	5567.6	6538.8	7762.3	9116.5	10721.1	12655.4	14652.7
-12.5°	1938.9	2627.3	3364.9	4330.4	5338.6	6273.5	7374.7	8657.1	10132.3	11924.8	13757.2
-15°	1952.5	2637.4	3322.1	4173.6	5097.7	5979.7	6955.2	8151.5	9494.5	11097.9	12723.6
-17.5°	1956.3	2639.3	3270.0	4019.3	4851.1	5659.4	6542.5	7718.3	8941.0	10325.7	11712.2
-20°	1952.0	2634.4	3211.0	3874.0	4608.6	5426.7	6318.2	7344.0	8438.6	9609.4	10764.5



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1941.2	2624.1	3161.3	3770.9	4492.2	5274.2	6094.3	6981.9	7923.8	8940.5	10112.0
-25°	1935.8	2586.4	3128.0	3698.0	4379.5	5113.9	5858.9	6647.5	7468.6	8533.4	9650.7
-27.5°	1927.3	2546.5	3062.6	3596.8	4249.1	4951.9	5650.6	6370.4	7213.5	8170.0	9206.9
-30°	1901.9	2450.3	2973.8	3478.2	4111.2	4788.2	5455.5	6139.7	6937.4	7839.3	8801.3
-32.5°	1830.3	2341.0	2855.7	3362.5	3945.1	4608.9	5254.1	5917.5	6657.5	7465.6	8391.1
-35°	1750.2	2228.4	2723.3	3218.9	3751.2	4391.3	5019.1	5660.4	6347.2	7105.4	7968.2
-37.5°	1692.0	2107.3	2581.5	3057.1	3568.0	4136.7	4752.3	5369.6	6019.9	6742.4	7558.4
-40°	1622.5	1978.3	2437.6	2892.8	3357.9	3882.2	4457.3	5049.8	5660.3	6380.8	7128.5
-42.5°	1544.9	1888.5	2288.5	2718.6	3157.2	3633.8	4147.1	4710.8	5323.3	5993.6	6695.7
-45°	1477.9	1787.6	2139.3	2541.8	2949.2	3381.0	3857.1	4361.1	4966.1	5589.6	6241.7
-47.5°	1401.6	1682.1	2012.9	2354.9	2738.7	3136.9	3557.9	4048.8	4586.3	5170.2	5768.3
-50°	1319.2	1586.6	1868.7	2186.7	2526.9	2891.3	3275.6	3723.6	4214.2	4735.9	5286.3
-52.5°	1236.3	1481.1	1740.8	2017.7	2326.6	2654.1	3010.1	3409.0	3843.2	4300.4	4786.1
-55°	1145.5	1374.1	1610.4	1861.5	2130.9	2428.1	2746.4	3103.0	3476.3	3890.8	4299.2
-57.5°	1052.1	1258.9	1476.9	1709.3	1951.5	2204.2	2492.7	2794.7	3132.0	3486.2	3846.7
-60°	954.6	1139.9	1337.4	1551.2	1776.1	2003.8	2237.5	2505.1	2791.4	3085.8	3408.0
-62.5°	852.3	1018.7	1195.3	1384.9	1590.8	1796.7	2006.3	2227.7	2459.7	2724.0	2992.9
-65°	751.0	894.2	1051.5	1220.1	1396.5	1581.5	1769.4	1959.0	2162.0	2379.9	2606.2
-67.5°	644.2	773.5	908.8	1051.9	1208.6	1365.6	1529.6	1701.0	1873.5	2050.0	2235.9
-70°	548.0	650.6	768.4	893.4	1019.8	1148.5	1290.2	1437.4	1587.7	1737.8	1892.3
-72.5°	451.0	539.2	633.4	733.2	839.4	945.3	1056.0	1170.8	1292.8	1419.2	1547.6
-75°	362.9	425.5	502.6	585.8	666.9	746.7	829.6	923.0	1019.6	1117.1	1214.3
-77.5°	281.5	331.3	385.0	442.3	498.7	562.8	628.4	695.3	765.3	837.2	909.9
-80°	203.7	235.3	274.9	317.7	358.6	400.1	442.7	486.3	531.9	582.3	636.6
-82.5°	135.0	157.5	181.0	205.7	228.5	251.1	275.4	305.1	335.0	365.8	397.2
-85°	72.2	78.9	92.8	107.4	122.0	136.5	151.1	165.6	180.5	195.0	209.0
-87.5°	41.9	45.2	48.6	52.1	55.7	59.4	63.1	66.7	71.6	76.6	81.5
-90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16.5	16.9	17.3	17.7	18.1	18.5	18.9	19.3	19.7	20.1	20.6
87.5°	9.0	8.4	7.7	7.0	6.3	8.2	10.2	12.3	14.4	13.3	12.2
85°	18.3	18.4	18.5	18.6	18.6	20.8	23.0	25.0	27.1	25.0	22.8
82.5°	34.4	33.9	32.7	31.0	28.7	28.2	27.5	26.4	25.1	24.0	23.1
80°	54.6	51.9	48.3	44.1	39.2	36.8	34.5	32.0	29.2	28.4	27.7
77.5°	73.5	68.4	62.3	55.8	48.8	44.4	40.4	36.2	31.7	30.4	29.6
75°	86.8	80.2	71.6	62.3	52.5	45.7	40.3	35.0	29.7	28.4	28.2
72.5°	93.6	84.6	73.6	60.6	48.2	40.1	35.0	30.5	26.4	25.0	24.4
70°	88.0	74.4	61.7	49.7	38.7	31.4	27.8	24.6	21.8	21.1	21.5
67.5°	74.4	60.6	49.1	38.8	30.0	24.0	21.9	20.3	19.0	18.6	18.5
65°	58.1	46.6	37.2	29.3	23.0	19.3	18.6	18.0	17.3	16.7	16.2
62.5°	42.9	34.1	28.2	23.7	20.3	18.1	17.5	16.8	16.0	15.1	14.5
60°	33.4	26.5	23.4	21.5	19.8	18.4	17.8	17.4	17.1	16.9	16.4
57.5°	29.0	25.5	22.7	21.6	20.7	19.9	19.6	19.3	18.7	18.0	17.5
55°	28.3	25.6	23.1	22.5	22.1	21.7	21.1	20.5	19.9	19.1	18.9
52.5°	28.4	27.2	25.3	24.5	24.9	24.2	22.8	23.5	23.7	23.0	22.7
50°	32.1	32.4	32.8	30.0	32.8	34.0	32.4	33.7	35.8	36.1	35.9
47.5°	45.4	48.5	52.4	49.3	53.0	58.4	58.0	58.4	63.3	63.9	63.7
45°	72.5	85.6	91.8	95.3	94.0	106.7	109.2	105.1	111.8	113.1	111.1
42.5°	145.1	152.3	168.7	181.7	174.3	187.4	191.3	179.5	191.1	196.3	190.6
40°	325.0	258.4	306.8	340.2	328.5	303.0	347.3	331.5	329.9	348.4	333.9
37.5°	641.6	569.5	619.1	714.5	711.1	591.0	725.0	716.3	602.1	737.4	725.6
35°	1150.7	1284.0	1224.4	1402.9	1454.6	1481.5	1555.8	1632.7	1548.5	1659.3	1656.4
32.5°	2060.3	2336.8	2459.1	2480.9	2709.8	2896.4	2817.4	3116.7	3098.4	3173.3	3249.8
30°	3252.7	3869.1	4181.0	4188.8	4568.7	4903.1	5009.2	5384.8	5606.9	5570.0	5942.1
27.5°	5189.7	5795.2	6309.0	6747.4	7043.4	7570.6	8304.4	8674.7	9220.6	9434.6	9948.9
25°	7378.3	8130.6	8941.7	9704.7	10331.1	11275.5	12188.8	12764.7	13545.7	14157.7	14779.6
22.5°	9749.3	10747.3	11788.0	12929.3	14094.4	15246.5	16355.9	17419.9	18461.1	19611.2	20314.2
20°	12173.3	13301.4	14568.1	16114.8	17731.4	19120.7	20635.9	22304.2	23899.1	25383.6	26504.9
17.5°	14015.3	15761.1	17133.4	18806.6	20814.1	22771.3	24703.0	26903.0	28932.0	30824.8	32512.7
15°	15422.0	17252.0	19241.0	21260.7	23375.5	25705.9	28362.9	30770.3	33276.8	35502.8	37587.6
12.5°	16648.2	18506.0	20587.6	22943.1	25610.5	28112.5	30897.2	33907.8	36567.1	39182.1	41138.2
10°	17553.1	19616.9	21727.1	24095.4	26815.6	29736.7	32754.6	35797.8	38779.7	41304.0	43405.5
7.5°	18052.3	20244.1	22451.9	24925.1	27721.8	30595.0	33609.8	36787.1	39788.6	42388.3	44318.1
5°	18458.6	20687.0	22869.3	25352.3	28266.2	31120.4	34008.4	37041.0	40183.6	42747.8	44755.7
2.5°	18813.3	20987.4	23116.2	25533.8	28536.7	31403.6	34372.9	37516.5	40555.6	43029.1	44983.6
0°	19121.2	21173.5	23255.5	25651.8	28792.0	31693.6	34615.0	37691.0	40786.8	43196.3	45174.6
-2.5°	18898.4	20910.9	22962.3	25411.7	28406.4	31260.7	34198.6	37313.5	40245.8	42686.4	44604.4
-5°	18317.7	20256.2	22293.3	24736.7	27595.4	30391.1	33289.9	36290.2	39046.7	41486.7	43251.0
-7.5°	17468.7	19366.4	21395.5	23800.7	26460.8	28998.2	31588.9	34370.2	37113.8	39268.0	40948.4
-10°	16525.0	18331.1	20198.7	22314.1	24669.5	27039.5	29419.9	32005.4	34422.8	36445.6	38063.2
-12.5°	15404.5	17008.8	18728.5	20573.5	22735.9	24993.2	27263.2	29527.9	31757.5	33577.1	35042.5
-15°	14194.2	15613.0	17183.6	18968.2	20894.9	22886.8	24934.4	27097.2	29105.1	30800.1	32092.1
-17.5°	13000.4	14270.8	15867.2	17489.7	19046.7	20873.2	22909.7	24698.2	26530.6	28052.7	29194.0
-20°	11988.3	13355.1	14743.2	16129.5	17616.8	19392.6	21119.3	22805.4	24433.8	25819.7	26954.6



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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°	11328.5	12529.4	13713.9	15025.2	16537.2	18104.2	19667.0	21199.9	22673.7	23990.2	25069.7
-25°	10728.6	11744.8	12917.7	14249.1	15525.9	16900.5	18376.0	19657.2	21055.2	22247.5	23171.0
-27.5°	10204.1	11209.7	12360.8	13558.3	14713.1	15952.0	17296.0	18518.9	19776.9	20923.4	21729.2
-30°	9747.4	10789.2	11871.6	12967.1	14054.7	15201.0	16369.0	17551.0	18705.3	19744.8	20519.2
-32.5°	9358.3	10335.6	11350.7	12370.2	13361.7	14405.9	15489.4	16576.1	17645.4	18554.9	19313.3
-35°	8915.8	9851.5	10794.6	11710.2	12628.6	13562.6	14568.2	15585.5	16542.3	17372.7	18112.9
-37.5°	8422.0	9323.5	10184.3	11017.8	11869.2	12732.8	13664.2	14598.8	15477.7	16229.3	16935.0
-40°	7930.6	8752.1	9531.7	10309.6	11090.2	11898.9	12741.3	13578.2	14349.6	15060.5	15718.2
-42.5°	7420.0	8139.0	8848.7	9572.9	10292.9	11022.2	11774.8	12535.8	13223.2	13871.6	14454.7
-45°	6904.9	7521.9	8148.8	8812.2	9469.6	10124.4	10775.9	11418.3	12062.0	12666.1	13158.6
-47.5°	6357.1	6913.9	7483.0	8053.4	8642.6	9240.2	9809.8	10365.9	10934.3	11474.3	11881.1
-50°	5804.2	6319.7	6834.2	7336.7	7857.5	8383.2	8902.2	9391.6	9867.9	10327.1	10645.1
-52.5°	5247.4	5724.1	6195.6	6650.0	7101.9	7549.9	7989.7	8423.9	8841.2	9234.8	9486.9
-55°	4718.6	5143.8	5558.3	5955.2	6354.0	6747.5	7135.3	7515.2	7875.4	8213.8	8408.2
-57.5°	4221.3	4591.6	4954.6	5296.3	5630.1	5954.4	6297.1	6642.3	6966.6	7257.4	7414.1
-60°	3736.6	4070.3	4381.8	4667.4	4953.7	5238.5	5527.2	5812.3	6089.9	6331.4	6466.3
-62.5°	3260.0	3545.1	3810.3	4056.0	4292.5	4527.7	4778.2	5018.6	5247.3	5433.7	5548.1
-65°	2842.5	3084.0	3282.5	3478.2	3672.4	3879.2	4087.3	4285.8	4473.7	4619.7	4716.0
-67.5°	2436.5	2635.2	2800.4	2962.8	3125.4	3289.8	3457.4	3619.7	3775.6	3893.7	3977.4
-70°	2050.5	2200.7	2330.1	2462.3	2597.0	2731.4	2866.0	2995.6	3119.4	3209.3	3276.7
-72.5°	1677.2	1793.2	1894.0	1996.6	2097.9	2202.0	2306.3	2406.5	2501.9	2566.3	2613.5
-75°	1310.8	1395.0	1475.8	1554.2	1629.6	1707.1	1783.8	1857.1	1926.5	1975.3	2014.2
-77.5°	986.9	1046.7	1099.4	1151.0	1201.3	1255.1	1307.7	1357.4	1403.7	1437.7	1466.2
-80°	691.4	729.9	763.6	795.2	824.7	858.1	890.7	921.6	950.4	970.2	986.0
-82.5°	429.0	451.7	471.9	490.5	507.5	524.9	541.1	555.8	569.0	584.5	598.9
-85°	222.5	231.9	240.5	248.4	255.8	262.9	269.3	275.1	280.2	282.9	284.9
-87.5°	86.5	88.7	90.6	92.5	94.1	96.4	98.5	100.5	102.4	104.1	105.6
-90°	4.9	4.5	4.1	3.7	3.3	3.3	3.3	3.3	3.3	3.3	3.3



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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°	21.0	21.4	21.4	21.4	21.4	21.4	21.0	20.6	20.1	19.7	19.3
87.5°	11.1	9.9	9.0	8.2	9.0	9.9	11.1	12.2	13.3	14.4	12.3
85°	20.4	18.1	16.4	14.8	16.4	18.1	20.4	22.8	25.0	27.1	25.0
82.5°	22.2	21.4	21.4	21.4	21.4	21.4	22.2	23.1	24.0	25.1	26.4
80°	27.0	26.2	27.1	28.0	27.1	26.2	27.0	27.7	28.4	29.2	32.0
77.5°	28.8	28.0	28.0	28.0	28.0	28.0	28.8	29.6	30.4	31.7	36.2
75°	28.0	28.0	27.2	26.3	27.2	28.0	28.0	28.2	28.4	29.7	35.0
72.5°	23.8	23.2	23.0	23.0	23.0	23.2	23.8	24.4	25.0	26.4	30.5
70°	22.1	22.9	22.3	21.4	22.3	22.9	22.1	21.5	21.1	21.8	24.6
67.5°	18.4	18.3	18.1	18.1	18.1	18.3	18.4	18.5	18.6	19.0	20.3
65°	15.6	15.0	14.8	14.8	14.8	15.0	15.6	16.2	16.7	17.3	18.0
62.5°	13.9	13.4	13.2	13.2	13.2	13.4	13.9	14.5	15.1	16.0	16.8
60°	15.8	15.0	14.1	13.2	14.1	15.0	15.8	16.4	16.9	17.1	17.4
57.5°	17.0	16.6	16.5	16.5	16.5	16.6	17.0	17.5	18.0	18.7	19.3
55°	18.5	18.2	18.1	18.1	18.1	18.2	18.5	18.9	19.1	19.9	20.5
52.5°	22.3	21.6	20.7	19.7	20.7	21.6	22.3	22.7	23.0	23.7	23.5
50°	35.2	33.5	32.7	32.9	32.7	33.5	35.2	35.9	36.1	35.8	33.7
47.5°	65.0	64.9	64.6	64.2	64.6	64.9	65.0	63.7	63.9	63.3	58.4
45°	110.6	106.1	101.9	100.4	101.9	106.1	110.6	111.1	113.1	111.8	105.1
42.5°	194.3	193.4	189.9	186.0	189.9	193.4	194.3	190.6	196.3	191.1	179.5
40°	337.7	333.2	325.3	327.5	325.3	333.2	337.7	333.9	348.4	329.9	331.5
37.5°	703.4	669.6	618.5	618.8	618.5	669.6	703.4	725.6	737.4	602.1	716.3
35°	1646.4	1674.0	1641.2	1640.9	1641.2	1674.0	1646.4	1656.4	1659.3	1548.5	1632.7
32.5°	3150.6	3104.9	2919.2	2822.6	2919.2	3104.9	3150.6	3249.8	3173.3	3098.4	3116.7
30°	5935.5	5964.9	5686.7	5692.9	5686.7	5964.9	5935.5	5942.1	5570.0	5606.9	5384.8
27.5°	10156.4	10382.4	10322.9	10223.9	10322.9	10382.4	10156.4	9948.9	9434.6	9220.6	8674.7
25°	15187.5	15357.7	15243.8	15174.5	15243.8	15357.7	15187.5	14779.6	14157.7	13545.7	12764.7
22.5°	20997.0	21234.0	21174.4	20874.0	21174.4	21234.0	20997.0	20314.2	19611.2	18461.1	17419.9
20°	27428.3	27834.1	28070.0	27918.1	28070.0	27834.1	27428.3	26504.9	25383.6	23899.1	22304.2
17.5°	33711.5	34234.9	34636.3	34771.3	34636.3	34234.9	33711.5	32512.7	30824.8	28932.0	26903.0
15°	38995.0	39743.5	40270.7	40457.7	40270.7	39743.5	38995.0	37587.6	35502.8	33276.8	30770.3
12.5°	42786.6	43760.8	44379.1	44564.8	44379.1	43760.8	42786.6	41138.2	39182.1	36567.1	33907.8
10°	44871.6	46099.7	46803.4	47096.9	46803.4	46099.7	44871.6	43405.5	41304.0	38779.7	35797.8
7.5°	46036.5	47145.8	47810.7	47909.1	47810.7	47145.8	46036.5	44318.1	42388.3	39788.6	36787.1
5°	46414.5	47422.2	47971.1	48021.9	47971.1	47422.2	46414.5	44755.7	42747.8	40183.6	37041.0
2.5°	46580.1	47431.8	47836.6	47733.0	47836.6	47431.8	46580.1	44983.6	43029.1	40555.6	37516.5
0°	46495.4	47256.6	47686.1	47750.3	47686.1	47256.6	46495.4	45174.6	43196.3	40786.8	37691.0
-2.5°	45804.9	46371.8	46676.4	46480.6	46676.4	46371.8	45804.9	44604.4	42686.4	40245.8	37313.5
-5°	44230.7	44638.5	44765.7	44837.2	44765.7	44638.5	44230.7	43251.0	41486.7	39046.7	36290.2
-7.5°	41955.4	42288.2	42413.8	42325.7	42413.8	42288.2	41955.4	40948.4	39268.0	37113.8	34370.2
-10°	38956.4	39261.4	39367.9	39307.2	39367.9	39261.4	38956.4	38063.2	36445.6	34422.8	32005.4
-12.5°	35920.6	36282.1	36365.0	36370.2	36365.0	36282.1	35920.6	35042.5	33577.1	31757.5	29527.9
-15°	32936.4	33349.6	33475.9	33586.3	33475.9	33349.6	32936.4	32092.1	30800.1	29105.1	27097.2
-17.5°	30004.0	30414.5	30521.1	30377.0	30521.1	30414.5	30004.0	29194.0	28052.7	26530.6	24698.2
-20°	27593.7	27806.5	28033.5	28031.7	28033.5	27806.5	27593.7	26954.6	25819.7	24433.8	22805.4



REPORT NUMBER: P731590 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	25602.9	25954.7	26148.1	26285.5	26148.1	25954.7	25602.9	25069.7	23990.2	22673.7	21199.9
-25°	23735.8	24034.5	24154.7	24246.3	24154.7	24034.5	23735.8	23171.0	22247.5	21055.2	19657.2
-27.5°	22297.5	22600.7	22772.1	22873.7	22772.1	22600.7	22297.5	21729.2	20923.4	19776.9	18518.9
-30°	21150.3	21448.2	21652.5	21780.8	21652.5	21448.2	21150.3	20519.2	19744.8	18705.3	17551.0
-32.5°	19914.4	20225.9	20438.9	20571.2	20438.9	20225.9	19914.4	19313.3	18554.9	17645.4	16576.1
-35°	18629.9	18941.5	19171.3	19279.2	19171.3	18941.5	18629.9	18112.9	17372.7	16542.3	15585.5
-37.5°	17382.1	17673.0	17876.1	17955.9	17876.1	17673.0	17382.1	16935.0	16229.3	15477.7	14598.8
-40°	16081.3	16355.8	16544.5	16617.9	16544.5	16355.8	16081.3	15718.2	15060.5	14349.6	13578.2
-42.5°	14769.7	15025.8	15200.0	15273.2	15200.0	15025.8	14769.7	14454.7	13871.6	13223.2	12535.8
-45°	13441.1	13668.9	13816.4	13872.7	13816.4	13668.9	13441.1	13158.6	12666.1	12062.0	11418.3
-47.5°	12133.3	12338.7	12465.5	12506.6	12465.5	12338.7	12133.3	11881.1	11474.3	10934.3	10365.9
-50°	10856.8	11025.0	11141.1	11206.4	11141.1	11025.0	10856.8	10645.1	10327.1	9867.9	9391.6
-52.5°	9676.0	9828.9	9919.9	9955.6	9919.9	9828.9	9676.0	9486.9	9234.8	8841.2	8423.9
-55°	8569.4	8701.6	8778.9	8810.1	8778.9	8701.6	8569.4	8408.2	8213.8	7875.4	7515.2
-57.5°	7547.4	7655.8	7728.7	7769.9	7728.7	7655.8	7547.4	7414.1	7257.4	6966.6	6642.3
-60°	6578.4	6667.2	6728.5	6764.3	6728.5	6667.2	6578.4	6466.3	6331.4	6089.9	5812.3
-62.5°	5643.1	5718.5	5768.1	5796.6	5768.1	5718.5	5643.1	5548.1	5433.7	5247.3	5018.6
-65°	4797.4	4863.5	4895.5	4907.8	4895.5	4863.5	4797.4	4716.0	4619.7	4473.7	4285.8
-67.5°	4049.2	4108.7	4130.3	4134.3	4130.3	4108.7	4049.2	3977.4	3893.7	3775.6	3619.7
-70°	3335.0	3383.5	3399.9	3401.9	3399.9	3383.5	3335.0	3276.7	3209.3	3119.4	2995.6
-72.5°	2652.5	2683.0	2706.7	2722.2	2706.7	2683.0	2652.5	2613.5	2566.3	2501.9	2406.5
-75°	2046.8	2073.0	2084.4	2088.6	2084.4	2073.0	2046.8	2014.2	1975.3	1926.5	1857.1
-77.5°	1490.6	1510.5	1515.1	1514.2	1515.1	1510.5	1490.6	1466.2	1437.7	1403.7	1357.4
-80°	998.5	1007.8	1013.9	1017.1	1013.9	1007.8	998.5	986.0	970.2	950.4	921.6
-82.5°	611.8	623.1	611.4	597.4	611.4	623.1	611.8	598.9	584.5	569.0	555.8
-85°	286.2	286.6	287.7	288.0	287.7	286.6	286.2	284.9	282.9	280.2	275.1
-87.5°	107.0	108.3	107.7	107.0	107.7	108.3	107.0	105.6	104.1	102.4	100.5
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18.9	18.5	18.1	17.7	17.3	16.9	16.5	15.7	14.9	14.0	13.2
87.5°	10.2	8.2	6.3	7.0	7.7	8.4	9.0	8.5	8.1	7.6	7.2
85°	23.0	20.8	18.6	18.6	18.5	18.4	18.3	17.9	17.3	16.6	15.7
82.5°	27.5	28.2	28.7	31.0	32.7	33.9	34.4	34.3	33.6	32.3	30.4
80°	34.5	36.8	39.2	44.1	48.3	51.9	54.6	55.8	56.5	56.3	54.4
77.5°	40.4	44.4	48.8	55.8	62.3	68.4	73.5	76.4	77.9	78.6	76.3
75°	40.3	45.7	52.5	62.3	71.6	80.2	86.8	91.3	94.9	97.7	95.2
72.5°	35.0	40.1	48.2	60.6	73.6	84.6	93.6	101.1	107.7	113.3	109.5
70°	27.8	31.4	38.7	49.7	61.7	74.4	88.0	101.6	114.9	123.7	117.4
67.5°	21.9	24.0	30.0	38.8	49.1	60.6	74.4	90.0	105.1	119.2	116.4
65°	18.6	19.3	23.0	29.3	37.2	46.6	58.1	71.7	87.8	104.0	104.5
62.5°	17.5	18.1	20.3	23.7	28.2	34.1	42.9	54.8	68.6	79.7	83.7
60°	17.8	18.4	19.8	21.5	23.4	26.5	33.4	41.5	50.9	60.2	65.0
57.5°	19.6	19.9	20.7	21.6	22.7	25.5	29.0	32.8	40.6	46.0	50.1
55°	21.1	21.7	22.1	22.5	23.1	25.6	28.3	31.6	35.1	36.7	41.8
52.5°	22.8	24.2	24.9	24.5	25.3	27.2	28.4	31.2	34.0	36.0	37.3
50°	32.4	34.0	32.8	30.0	32.8	32.4	32.1	32.7	36.1	37.9	37.8
47.5°	58.0	58.4	53.0	49.3	52.4	48.5	45.4	42.8	48.0	43.1	42.6
45°	109.2	106.7	94.0	95.3	91.8	85.6	72.5	79.4	73.4	65.8	50.5
42.5°	191.3	187.4	174.3	181.7	168.7	152.3	145.1	152.6	127.8	103.8	109.4
40°	347.3	303.0	328.5	340.2	306.8	258.4	325.0	279.3	238.0	171.1	225.2
37.5°	725.0	591.0	711.1	714.5	619.1	569.5	641.6	578.4	403.9	427.2	434.7
35°	1555.8	1481.5	1454.6	1402.9	1224.4	1284.0	1150.7	1017.9	874.2	826.8	748.2
32.5°	2817.4	2896.4	2709.8	2480.9	2459.1	2336.8	2060.3	1659.6	1661.3	1497.7	1223.8
30°	5009.2	4903.1	4568.7	4188.8	4181.0	3869.1	3252.7	2984.7	2737.4	2366.0	1844.0
27.5°	8304.4	7570.6	7043.4	6747.4	6309.0	5795.2	5189.7	4563.2	4034.7	3468.8	2766.3
25°	12188.8	11275.5	10331.1	9704.7	8941.7	8130.6	7378.3	6499.8	5615.6	4728.0	3837.9
22.5°	16355.9	15246.5	14094.4	12929.3	11788.0	10747.3	9749.3	8584.2	7235.9	5990.0	4960.5
20°	20635.9	19120.7	17731.4	16114.8	14568.1	13301.4	12173.3	10568.8	8768.7	7254.4	6053.6
17.5°	24703.0	22771.3	20814.1	18806.6	17133.4	15761.1	14015.3	12139.3	10200.2	8443.5	7097.9
15°	28362.9	25705.9	23375.5	21260.7	19241.0	17252.0	15422.0	13566.7	11538.3	9638.5	8051.7
12.5°	30897.2	28112.5	25610.5	22943.1	20587.6	18506.0	16648.2	14787.9	12658.5	10430.0	8584.0
10°	32754.6	29736.7	26815.6	24095.4	21727.1	19616.9	17553.1	15438.7	13137.1	10904.4	9026.3
7.5°	33609.8	30595.0	27721.8	24925.1	22451.9	20244.1	18052.3	15851.3	13479.3	11233.0	9381.6
5°	34008.4	31120.4	28266.2	25352.3	22869.3	20687.0	18458.6	16164.7	13687.8	11430.8	9653.8
2.5°	34372.9	31403.6	28536.7	25533.8	23116.2	20987.4	18813.3	16481.1	13946.9	11636.9	9828.0
0°	34615.0	31693.6	28792.0	25651.8	23255.5	21173.5	19121.2	16762.7	14172.2	11780.8	9932.5
-2.5°	34198.6	31260.7	28406.4	25411.7	22962.3	20910.9	18898.4	16646.0	14128.5	11780.7	9936.8
-5°	33289.9	30391.1	27595.4	24736.7	22293.3	20256.2	18317.7	16213.4	13872.3	11652.4	9877.2
-7.5°	31588.9	28998.2	26460.8	23800.7	21395.5	19366.4	17468.7	15467.4	13308.8	11228.6	9525.3
-10°	29419.9	27039.5	24669.5	22314.1	20198.7	18331.1	16525.0	14652.7	12655.4	10721.1	9116.5
-12.5°	27263.2	24993.2	22735.9	20573.5	18728.5	17008.8	15404.5	13757.2	11924.8	10132.3	8657.1
-15°	24934.4	22886.8	20894.9	18968.2	17183.6	15613.0	14194.2	12723.6	11097.9	9494.5	8151.5
-17.5°	22909.7	20873.2	19046.7	17489.7	15867.2	14270.8	13000.4	11712.2	10325.7	8941.0	7718.3
-20°	21119.3	19392.6	17616.8	16129.5	14743.2	13355.1	11988.3	10764.5	9609.4	8438.6	7344.0



REPORT NUMBER: P731590 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19667.0	18104.2	16537.2	15025.2	13713.9	12529.4	11328.5	10112.0	8940.5	7923.8	6981.9
-25°	18376.0	16900.5	15525.9	14249.1	12917.7	11744.8	10728.6	9650.7	8533.4	7468.6	6647.5
-27.5°	17296.0	15952.0	14713.1	13558.3	12360.8	11209.7	10204.1	9206.9	8170.0	7213.5	6370.4
-30°	16369.0	15201.0	14054.7	12967.1	11871.6	10789.2	9747.4	8801.3	7839.3	6937.4	6139.7
-32.5°	15489.4	14405.9	13361.7	12370.2	11350.7	10335.6	9358.3	8391.1	7465.6	6657.5	5917.5
-35°	14568.2	13562.6	12628.6	11710.2	10794.6	9851.5	8915.8	7968.2	7105.4	6347.2	5660.4
-37.5°	13664.2	12732.8	11869.2	11017.8	10184.3	9323.5	8422.0	7558.4	6742.4	6019.9	5369.6
-40°	12741.3	11898.9	11090.2	10309.6	9531.7	8752.1	7930.6	7128.5	6380.8	5660.3	5049.8
-42.5°	11774.8	11022.2	10292.9	9572.9	8848.7	8139.0	7420.0	6695.7	5993.6	5323.3	4710.8
-45°	10775.9	10124.4	9469.6	8812.2	8148.8	7521.9	6904.9	6241.7	5589.6	4966.1	4361.1
-47.5°	9809.8	9240.2	8642.6	8053.4	7483.0	6913.9	6357.1	5768.3	5170.2	4586.3	4048.8
-50°	8902.2	8383.2	7857.5	7336.7	6834.2	6319.7	5804.2	5286.3	4735.9	4214.2	3723.6
-52.5°	7989.7	7549.9	7101.9	6650.0	6195.6	5724.1	5247.4	4786.1	4300.4	3843.2	3409.0
-55°	7135.3	6747.5	6354.0	5955.2	5558.3	5143.8	4718.6	4299.2	3890.8	3476.3	3103.0
-57.5°	6297.1	5954.4	5630.1	5296.3	4954.6	4591.6	4221.3	3846.7	3486.2	3132.0	2794.7
-60°	5527.2	5238.5	4953.7	4667.4	4381.8	4070.3	3736.6	3408.0	3085.8	2791.4	2505.1
-62.5°	4778.2	4527.7	4292.5	4056.0	3810.3	3545.1	3260.0	2992.9	2724.0	2459.7	2227.7
-65°	4087.3	3879.2	3672.4	3478.2	3282.5	3084.0	2842.5	2606.2	2379.9	2162.0	1959.0
-67.5°	3457.4	3289.8	3125.4	2962.8	2800.4	2635.2	2436.5	2235.9	2050.0	1873.5	1701.0
-70°	2866.0	2731.4	2597.0	2462.3	2330.1	2200.7	2050.5	1892.3	1737.8	1587.7	1437.4
-72.5°	2306.3	2202.0	2097.9	1996.6	1894.0	1793.2	1677.2	1547.6	1419.2	1292.8	1170.8
-75°	1783.8	1707.1	1629.6	1554.2	1475.8	1395.0	1310.8	1214.3	1117.1	1019.6	923.0
-77.5°	1307.7	1255.1	1201.3	1151.0	1099.4	1046.7	986.9	909.9	837.2	765.3	695.3
-80°	890.7	858.1	824.7	795.2	763.6	729.9	691.4	636.6	582.3	531.9	486.3
-82.5°	541.1	524.9	507.5	490.5	471.9	451.7	429.0	397.2	365.8	335.0	305.1
-85°	269.3	262.9	255.8	248.4	240.5	231.9	222.5	209.0	195.0	180.5	165.6
-87.5°	98.5	96.4	94.1	92.5	90.6	88.7	86.5	81.5	76.6	71.6	66.7
-90°	3.3	3.3	3.3	3.7	4.1	4.5	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P731590 (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°
90°	12.8	12.4	11.9	11.5	11.5	11.5	11.5	11.5	11.1	10.7	10.3
87.5°	8.5	9.7	10.7	11.5	10.9	10.3	9.7	9.1	9.4	9.7	9.9
85°	16.1	16.6	17.3	18.2	17.1	15.6	14.4	13.3	13.5	13.6	13.6
82.5°	27.5	26.1	25.3	24.9	24.7	23.9	22.5	20.5	18.5	17.6	17.3
80°	48.8	43.7	39.1	35.2	33.0	32.3	31.4	29.2	24.7	21.7	20.1
77.5°	68.5	61.4	54.9	48.4	42.7	38.8	36.8	35.8	30.7	25.5	22.2
75°	86.4	77.1	68.3	59.8	51.5	44.7	40.0	36.9	32.9	28.9	24.1
72.5°	98.4	88.4	79.4	70.0	59.2	50.2	43.0	37.9	33.8	29.7	25.5
70°	106.8	97.0	86.7	76.1	65.4	55.1	46.1	39.9	34.6	30.4	26.2
67.5°	111.9	100.9	90.8	81.1	70.1	59.2	48.7	42.0	36.6	31.1	26.8
65°	100.7	97.1	92.9	82.6	72.8	62.9	51.8	44.4	38.4	32.7	27.3
62.5°	86.1	86.1	83.7	81.1	73.5	63.9	54.9	47.3	40.3	34.3	28.4
60°	68.1	71.2	73.6	73.0	70.4	63.8	56.0	50.0	42.5	35.8	29.7
57.5°	55.0	57.1	61.8	64.7	63.9	60.8	56.6	51.3	44.5	37.3	31.0
55°	45.0	48.8	52.7	56.0	57.6	55.8	56.3	52.1	46.1	38.8	32.5
52.5°	39.9	43.7	47.5	49.8	51.6	52.4	54.8	52.9	46.9	40.0	34.1
50°	38.4	42.4	45.2	47.0	47.2	51.1	54.4	53.2	47.8	41.0	35.9
47.5°	44.1	47.5	46.5	46.3	46.2	51.2	55.0	54.1	48.7	41.8	37.8
45°	65.6	60.2	54.0	49.4	49.6	54.8	56.8	55.8	50.4	44.2	39.9
42.5°	104.0	93.5	71.5	54.1	63.4	60.8	59.8	58.6	52.7	47.0	42.3
40°	210.4	147.3	101.8	94.3	87.1	68.7	66.4	62.3	55.8	50.4	44.9
37.5°	358.8	260.0	164.9	168.4	129.8	97.8	74.6	66.8	61.2	54.9	47.8
35°	616.1	433.8	343.7	306.0	219.8	133.7	83.9	73.3	67.7	59.6	50.9
32.5°	934.3	762.1	672.8	515.3	332.4	176.1	109.8	85.4	75.1	64.5	54.2
30°	1472.0	1329.6	1078.5	772.3	491.3	280.6	155.2	99.4	83.2	69.6	57.7
27.5°	2283.0	1998.8	1572.4	1143.5	736.4	407.5	222.3	115.0	92.0	75.5	61.9
25°	3166.0	2757.3	2215.7	1585.0	1012.5	609.1	304.2	133.9	103.7	82.5	66.0
22.5°	4141.5	3541.1	2925.6	2067.6	1318.9	843.3	434.7	196.5	117.3	89.8	70.2
20°	5076.2	4339.1	3635.6	2446.4	1646.0	1115.8	616.6	266.7	131.6	97.3	74.4
17.5°	5984.0	4994.2	4019.3	2859.0	1966.8	1373.2	813.1	342.6	146.4	104.9	78.5
15°	6603.0	5431.9	4378.6	3227.5	2253.4	1615.2	1019.8	422.5	161.4	112.5	84.7
12.5°	7077.3	5828.4	4721.5	3552.0	2507.4	1841.8	1231.7	504.3	176.3	124.3	93.7
10°	7484.6	6182.9	5043.2	3833.3	2730.6	2052.9	1443.6	581.5	199.5	139.5	102.6
7.5°	7826.6	6494.7	5338.3	4072.1	2913.0	2192.2	1573.5	644.2	223.4	154.7	111.5
5°	8093.4	6725.7	5571.6	4234.8	3007.8	2254.8	1671.8	699.0	246.6	169.5	120.2
2.5°	8252.2	6851.2	5747.9	4355.8	3083.6	2300.9	1748.3	745.1	268.8	183.9	128.6
0°	8355.8	6932.2	5880.5	4438.8	3138.6	2332.1	1802.2	781.8	289.7	197.5	136.6
-2.5°	8395.2	6944.3	5899.7	4544.6	3250.4	2428.5	1854.6	883.9	387.5	264.5	179.6
-5°	8373.5	6919.4	5880.1	4611.3	3338.7	2508.8	1887.5	975.9	482.2	329.6	221.5
-7.5°	8111.8	6773.5	5778.5	4621.3	3402.4	2570.2	1904.6	1057.9	572.4	391.8	261.6
-10°	7762.3	6538.8	5567.6	4482.2	3395.6	2607.2	1913.7	1129.9	656.7	450.0	299.4
-12.5°	7374.7	6273.5	5338.6	4330.4	3364.9	2627.3	1938.9	1197.1	733.8	503.3	334.3
-15°	6955.2	5979.7	5097.7	4173.6	3322.1	2637.4	1952.5	1254.6	803.5	553.9	365.7
-17.5°	6542.5	5659.4	4851.1	4019.3	3270.0	2639.3	1956.3	1299.1	865.1	602.7	399.3
-20°	6318.2	5426.7	4608.6	3874.0	3211.0	2634.4	1952.0	1330.1	917.9	645.7	433.6



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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°	6094.3	5274.2	4492.2	3770.9	3161.3	2624.1	1941.2	1347.2	961.2	682.5	463.4
-25°	5858.9	5113.9	4379.5	3698.0	3128.0	2586.4	1935.8	1350.2	994.4	712.6	488.5
-27.5°	5650.6	4951.9	4249.1	3596.8	3062.6	2546.5	1927.3	1382.2	1020.6	735.8	508.4
-30°	5455.5	4788.2	4111.2	3478.2	2973.8	2450.3	1901.9	1402.4	1043.9	755.6	523.1
-32.5°	5254.1	4608.9	3945.1	3362.5	2855.7	2341.0	1830.3	1408.5	1057.8	770.4	535.6
-35°	5019.1	4391.3	3751.2	3218.9	2723.3	2228.4	1750.2	1400.3	1062.0	777.7	543.5
-37.5°	4752.3	4136.7	3568.0	3057.1	2581.5	2107.3	1692.0	1358.9	1056.3	777.4	545.6
-40°	4457.3	3882.2	3357.9	2892.8	2437.6	1978.3	1622.5	1315.2	1046.5	769.4	541.9
-42.5°	4147.1	3633.8	3157.2	2718.6	2288.5	1888.5	1544.9	1263.3	1010.9	757.3	532.2
-45°	3857.1	3381.0	2949.2	2541.8	2139.3	1787.6	1477.9	1204.7	966.0	739.1	519.0
-47.5°	3557.9	3136.9	2738.7	2354.9	2012.9	1682.1	1401.6	1146.4	914.9	712.7	503.7
-50°	3275.6	2891.3	2526.9	2186.7	1868.7	1586.6	1319.2	1080.8	863.8	668.6	483.4
-52.5°	3010.1	2654.1	2326.6	2017.7	1740.8	1481.1	1236.3	1008.8	806.8	625.7	458.1
-55°	2746.4	2428.1	2130.9	1861.5	1610.4	1374.1	1145.5	936.4	744.3	580.7	428.8
-57.5°	2492.7	2204.2	1951.5	1709.3	1476.9	1258.9	1052.1	857.7	683.6	531.4	400.5
-60°	2237.5	2003.8	1776.1	1551.2	1337.4	1139.9	954.6	776.1	619.8	479.9	364.8
-62.5°	2006.3	1796.7	1590.8	1384.9	1195.3	1018.7	852.3	695.2	551.4	431.8	325.2
-65°	1769.4	1581.5	1396.5	1220.1	1051.5	894.2	751.0	609.2	487.9	380.7	286.2
-67.5°	1529.6	1365.6	1208.6	1051.9	908.8	773.5	644.2	529.0	423.5	326.9	252.5
-70°	1290.2	1148.5	1019.8	893.4	768.4	650.6	548.0	449.5	356.1	283.1	217.2
-72.5°	1056.0	945.3	839.4	733.2	633.4	539.2	451.0	370.4	301.2	237.8	180.3
-75°	829.6	746.7	666.9	585.8	502.6	425.5	362.9	303.4	244.6	190.9	148.3
-77.5°	628.4	562.8	498.7	442.3	385.0	331.3	281.5	234.4	189.3	151.2	117.4
-80°	442.7	400.1	358.6	317.7	274.9	235.3	203.7	173.1	140.6	111.5	85.7
-82.5°	275.4	251.1	228.5	205.7	181.0	157.5	135.0	113.5	91.0	70.9	59.0
-85°	151.1	136.5	122.0	107.4	92.8	78.9	72.2	65.6	57.6	50.0	42.9
-87.5°	63.1	59.4	55.7	52.1	48.6	45.2	41.9	38.6	34.4	30.4	26.6
-90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.3	5.8	6.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.9	9.5	9.1	8.6	8.2	7.4	6.6
87.5°	10.0	9.5	9.1	8.9	8.8	7.6	6.6
85°	13.4	12.0	10.8	9.9	9.3	7.9	6.6
82.5°	16.7	14.4	12.5	11.0	9.9	8.1	6.6
80°	19.7	16.8	14.2	12.1	10.5	8.4	6.6
77.5°	20.4	18.5	15.8	13.1	11.0	8.6	6.6
75°	21.1	18.8	17.1	14.1	11.5	8.9	6.6
72.5°	21.7	19.1	17.2	15.1	12.0	9.1	6.6
70°	22.3	19.3	17.2	15.8	12.5	9.3	6.6
67.5°	22.9	19.5	17.1	15.7	13.0	9.5	6.6
65°	23.6	19.9	17.1	15.5	13.5	9.7	6.6
62.5°	24.3	20.5	17.0	15.3	13.9	9.9	6.6
60°	24.9	21.2	16.8	15.1	14.4	10.1	6.6
57.5°	26.2	21.8	17.4	14.9	14.2	10.3	6.6
55°	27.5	22.5	17.9	14.6	14.1	10.5	6.6
52.5°	28.8	23.2	18.5	14.3	14.0	10.6	6.6
50°	30.0	24.3	19.0	14.0	13.9	10.8	6.6
47.5°	31.3	25.3	19.5	13.9	13.8	10.9	6.6
45°	33.2	26.3	20.0	14.3	13.8	11.1	6.6
42.5°	35.1	27.2	20.5	14.6	13.7	11.2	6.6
40°	37.1	28.1	21.1	15.2	13.7	11.3	6.6
37.5°	39.1	29.0	21.8	16.0	13.7	11.4	6.6
35°	41.2	30.3	22.4	16.8	13.7	11.5	6.6
32.5°	43.5	31.9	23.0	17.6	13.7	11.5	6.6
30°	46.1	33.5	23.5	18.5	13.8	11.6	6.6
27.5°	48.7	35.1	25.2	19.3	13.8	11.7	6.6
25°	51.3	36.6	27.1	20.2	13.9	11.7	6.6
22.5°	53.9	38.9	29.1	21.1	14.0	11.7	6.6
20°	56.6	43.1	31.2	21.9	14.1	11.8	6.6
17.5°	61.4	47.3	33.4	22.8	14.1	11.8	6.6
15°	67.6	51.6	35.5	23.7	14.2	11.8	6.6
12.5°	73.7	55.9	37.7	24.5	14.3	11.7	6.6
10°	79.7	60.1	39.8	25.3	14.4	11.7	6.6
7.5°	85.6	64.3	41.9	26.1	14.5	11.7	6.6
5°	91.3	68.3	44.0	26.8	14.6	11.6	6.6
2.5°	96.8	72.1	45.9	27.4	14.7	11.6	6.6
0°	102.0	75.7	47.7	28.0	14.8	11.5	6.6
-2.5°	127.6	90.5	55.4	31.4	15.9	11.7	6.6
-5°	152.6	104.8	63.0	34.7	17.1	11.9	6.6
-7.5°	176.6	118.6	70.1	37.9	18.1	12.1	6.6
-10°	199.3	131.5	76.9	40.9	19.2	12.3	6.6
-12.5°	220.5	143.5	83.2	43.6	20.2	12.4	6.6
-15°	239.8	154.3	88.8	46.1	21.1	12.6	6.6
-17.5°	256.9	163.8	93.9	48.3	22.0	12.7	6.6
-20°	275.7	172.0	98.2	50.3	22.7	12.8	6.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	298.1	178.6	101.7	51.8	23.4	12.9	6.6
-25°	317.1	188.6	104.3	53.0	24.0	13.0	6.6
-27.5°	332.7	198.8	106.1	53.9	24.5	13.0	6.6
-30°	344.4	206.7	107.3	54.3	24.9	13.0	6.6
-32.5°	352.3	212.2	111.3	54.3	25.2	13.0	6.6
-35°	357.9	215.3	114.0	53.9	25.3	13.0	6.6
-37.5°	360.6	216.8	115.2	53.0	25.3	13.0	6.6
-40°	359.5	217.6	114.9	51.7	25.2	12.9	6.6
-42.5°	354.7	216.0	114.3	50.5	25.0	12.8	6.6
-45°	346.1	212.0	113.6	49.9	24.7	12.7	6.6
-47.5°	333.7	205.7	111.7	48.6	24.2	12.6	6.6
-50°	321.5	197.1	108.5	48.2	23.6	12.4	6.6
-52.5°	306.6	186.1	104.1	47.7	22.9	12.2	6.6
-55°	288.4	176.9	98.6	46.6	22.1	12.0	6.6
-57.5°	267.2	166.6	91.9	45.1	21.1	11.8	6.6
-60°	243.7	154.6	84.4	43.0	20.1	11.5	6.6
-62.5°	224.2	141.0	79.1	40.5	19.3	11.3	6.6
-65°	202.5	125.9	73.0	37.5	18.5	11.0	6.6
-67.5°	178.7	111.9	66.1	34.1	17.7	10.7	6.6
-70°	153.1	99.2	58.5	30.3	16.8	10.4	6.6
-72.5°	131.7	85.5	50.3	27.8	15.8	10.0	6.6
-75°	109.8	70.9	41.5	25.4	14.8	9.7	6.6
-77.5°	86.9	55.6	35.9	22.8	13.8	9.3	6.6
-80°	63.0	44.6	30.8	20.2	12.7	8.9	6.6
-82.5°	49.0	36.1	25.5	17.4	11.6	8.6	6.6
-85°	36.2	27.4	20.1	14.5	10.5	8.2	6.6
-87.5°	23.1	18.5	14.6	11.6	9.3	7.8	6.6
-90°	6.6	7.0	7.4	7.8	8.2	7.4	6.6

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

