

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: P735962 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-4S-VHE**

Issue Date: 1/29/2024

Test Information

Test Method: LM-79-08
Report Number: P735962 (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-40-80-4S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

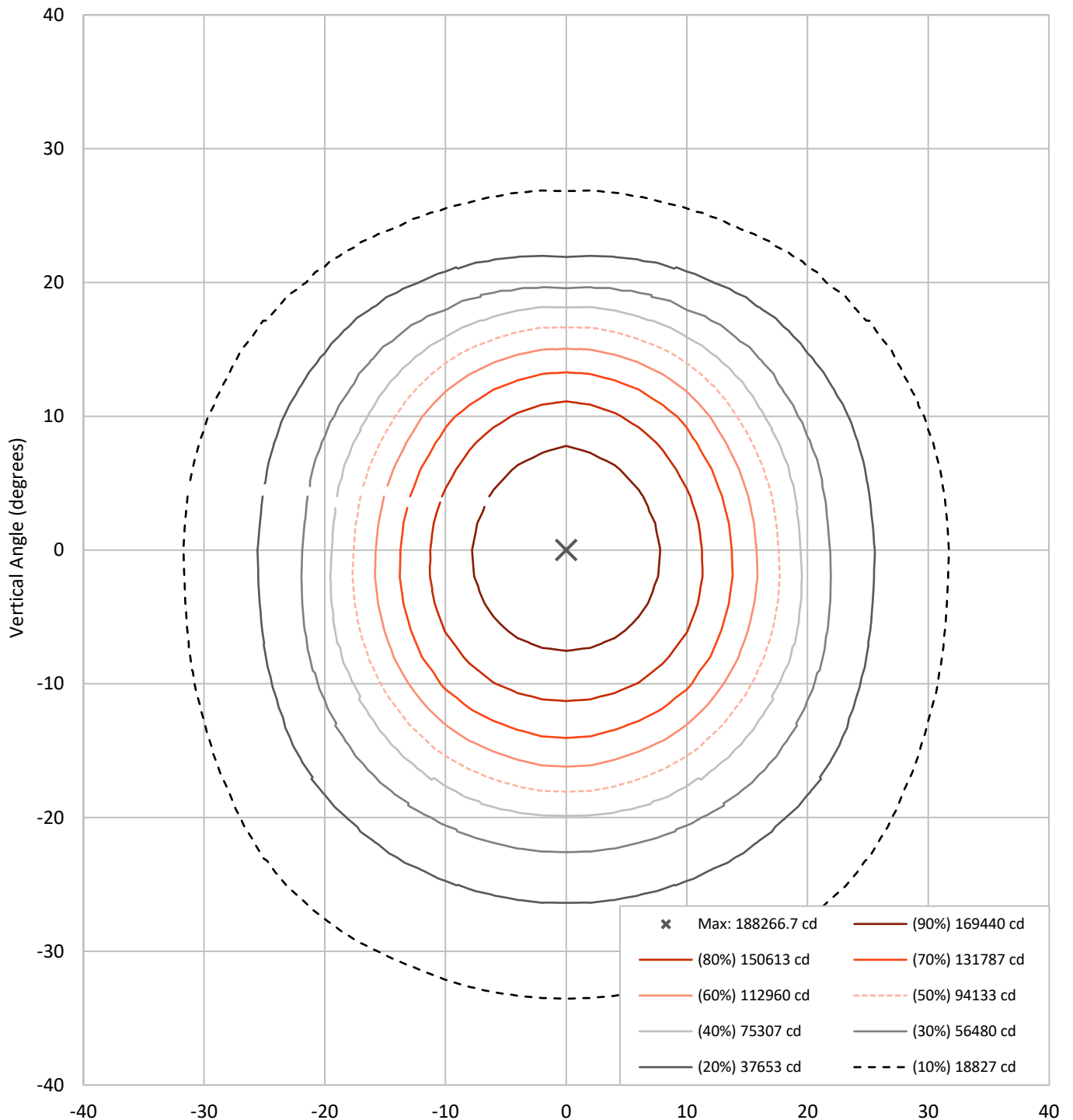
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	78096.8 lumens	Max Intensity:	188266.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	139.5 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:	41916.9 lumens	Field Lumens:	68211.3 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





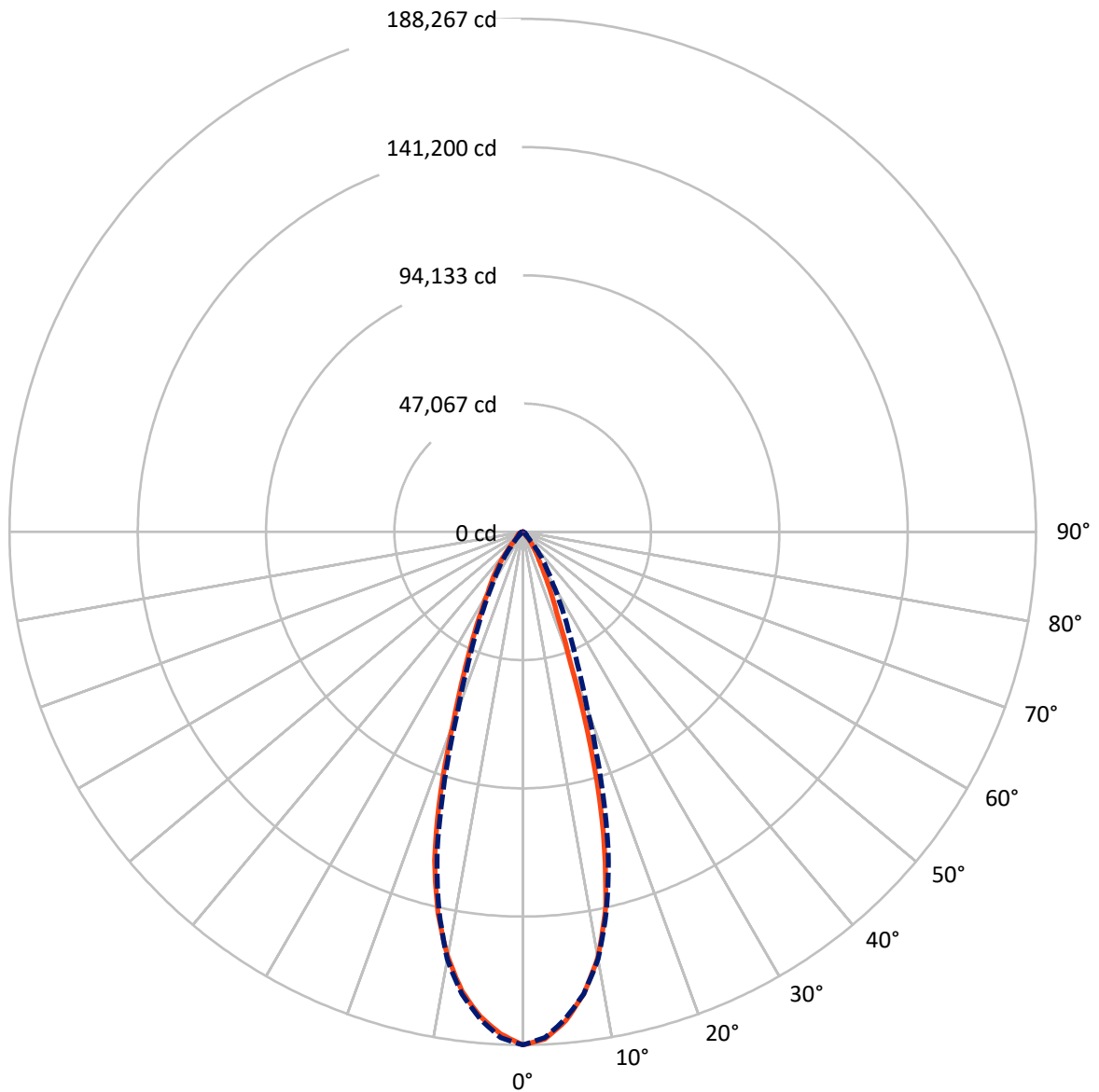
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Lumen Table

90	0.2		0.8		1.5		2.0		2.3		2.0		1.5		0.8		0.2	
80	0.3		0.1	0.2	0.5	0.7	0.6	0.5	0.6	0.6	0.5	0.6	0.7	0.5	0.2	0.1	0.3	
70	0.8		1.0	2.2	4.5	8.2	13.0	19.0	24.5	24.5	19.0	13.0	8.2	4.5	2.2	1.0	0.8	
60	1.7		2.3	7.4	14.2	23.3	53.9	120.5	195.3	195.3	120.5	53.9	23.3	14.2	7.4	2.3	1.7	
50	2.5		4.1	12.4	24.0	75.4	231.9	505.9	767.2	767.2	505.9	231.9	75.4	24.0	12.4	4.1	2.5	
40	2.9		5.5	16.3	38.4	196.2	650.6	1738.3	3088.8	3088.8	1738.3	650.6	196.2	38.4	16.3	5.5	2.9	
30	2.7		6.8	19.1	53.3	307.0	1067.8	3160.5	5060.9	5060.9	3160.5	1067.8	307.0	53.3	19.1	6.8	2.7	
20	2.3		7.6	21.2	59.6	329.1	1121.5	3313.4	5101.0	5101.0	3313.4	1121.5	329.1	59.6	21.2	7.6	2.3	
10	2.9		7.8	22.4	54.8	262.7	828.5	2085.7	3426.6	3426.6	2085.7	828.5	262.7	54.8	22.4	7.8	2.9	
0	2.7		7.3	22.3	47.0	144.5	460.1	903.3	1304.5	1304.5	903.3	460.1	144.5	47.0	22.3	7.3	2.7	
-10	2.3		6.2	20.1	39.3	69.4	170.7	344.0	475.5	475.5	344.0	170.7	69.4	39.3	20.1	6.2	2.3	
-20	2.3		4.9	15.1	31.5	49.6	68.9	94.0	120.3	120.3	94.0	68.9	49.6	31.5	15.1	4.9	2.3	
-30	2.3		3.6	9.4	20.5	35.3	47.6	57.5	64.5	64.5	57.5	47.6	35.3	20.5	9.4	3.6	2.3	
-40	2.3		2.7	5.5	10.4	17.7	25.1	31.9	36.5	36.5	31.9	25.1	17.7	10.4	5.5	2.7	2.3	
-50	1.7		9.9		22.3		36.1		44.3		36.1		22.3		9.9		1.7	
-60	1.7		9.9		22.3		36.1		44.3		36.1		22.3		9.9		1.7	
-70	1.7		9.9		22.3		36.1		44.3		36.1		22.3		9.9		1.7	
-80	1.7		9.9		22.3		36.1		44.3		36.1		22.3		9.9		1.7	
-90	1.7		9.9		22.3		36.1		44.3		36.1		22.3		9.9		1.7	

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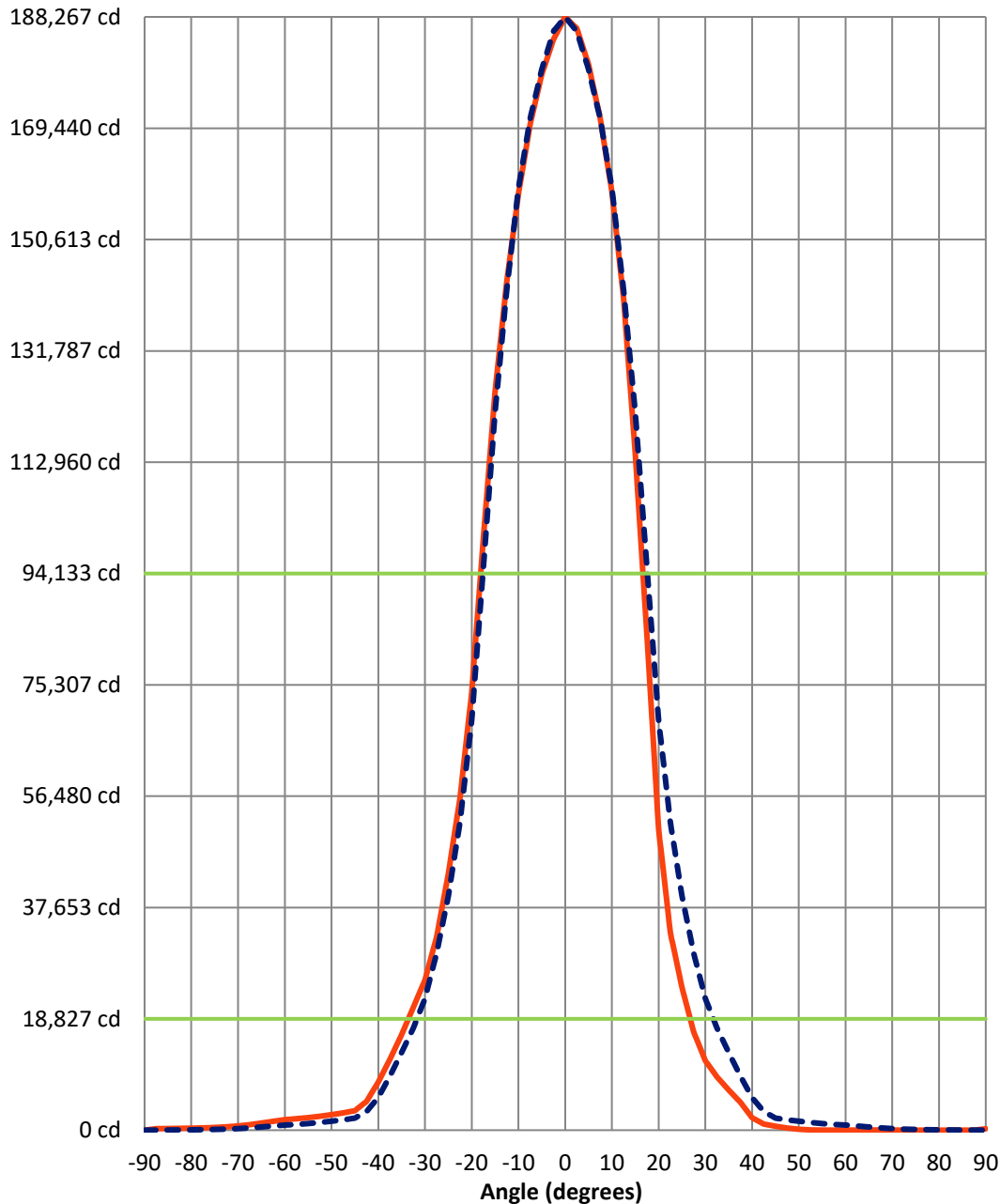
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 35.2°
 V Angle: 34.7°
 Lumens: 41916.9
 Efficiency: 53.7%

Field:
 H Angle: 63.4°
 V Angle: 60.3°
 Lumens: 68211.3
 Efficiency: 87.3%

Spill:
 Lumens: 9885.5
 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°	8.4	15.8	23.3	38.2	53.1	66.6	80.1	90.8	101.5	108.5	115.5
87.5°	8.4	7.6	6.7	6.7	6.8	6.8	6.8	6.3	5.9	5.9	6.0
85°	8.4	7.8	6.8	7.0	7.2	7.1	7.0	6.6	6.2	6.3	6.4
82.5°	8.4	7.9	7.0	7.2	7.5	7.5	7.3	6.9	6.6	6.7	6.8
80°	8.4	8.1	7.2	7.5	7.8	7.8	7.6	7.4	7.2	7.3	7.2
77.5°	8.4	8.3	7.4	7.7	8.1	8.1	8.1	8.0	7.9	7.9	7.6
75°	8.4	8.5	7.6	8.0	8.5	8.5	8.6	8.6	8.5	8.2	7.7
72.5°	8.4	8.6	7.8	8.2	8.8	8.9	9.0	9.1	8.9	8.5	7.9
70°	8.4	8.8	8.1	8.5	9.1	9.3	9.5	9.6	9.4	8.9	8.6
67.5°	8.4	9.0	8.3	8.8	9.5	9.7	10.2	10.1	9.9	9.7	9.4
65°	8.4	9.2	8.6	9.2	9.9	10.3	10.9	10.7	11.0	10.5	10.6
62.5°	8.4	9.4	8.9	9.6	10.3	11.2	11.7	12.0	12.3	11.6	12.6
60°	8.4	9.6	9.1	10.0	10.7	12.1	12.6	13.6	13.8	14.7	15.0
57.5°	8.4	9.8	9.7	10.3	11.7	13.0	14.3	15.4	17.1	18.3	20.3
55°	8.4	10.0	10.2	10.7	12.7	14.0	16.3	17.4	21.2	23.1	27.3
52.5°	8.4	10.2	10.8	11.1	13.8	15.2	18.3	21.5	25.6	31.2	34.8
50°	8.4	10.4	11.4	11.6	14.9	17.3	20.5	26.0	31.4	39.8	45.1
47.5°	8.4	10.6	12.0	12.1	16.1	19.5	23.0	30.7	39.9	49.1	56.7
45°	8.4	10.8	12.7	13.0	17.3	21.8	27.2	35.6	49.0	60.5	69.2
42.5°	8.4	11.0	13.4	14.0	18.6	24.2	31.5	42.5	58.4	72.4	89.2
40°	8.4	11.2	14.1	15.4	20.3	26.7	36.1	51.0	68.8	85.0	112.4
37.5°	8.4	11.4	14.9	17.0	22.2	29.3	40.9	59.6	80.7	101.4	137.5
35°	8.4	11.6	15.7	18.7	24.2	32.7	45.7	68.4	93.2	124.6	167.9
32.5°	8.4	11.8	16.5	20.3	26.2	36.5	51.2	77.2	106.1	148.4	202.6
30°	8.4	12.0	17.3	22.0	28.2	40.3	58.3	86.1	119.5	172.7	235.8
27.5°	8.4	12.2	18.1	23.7	30.9	43.9	65.2	96.0	134.1	197.3	267.2
25°	8.4	12.4	19.0	25.4	33.6	47.5	71.9	105.3	151.0	223.0	297.0
22.5°	8.4	12.6	19.8	27.1	36.3	51.3	78.4	114.2	166.7	242.9	327.5
20°	8.4	12.7	20.7	28.8	39.0	55.5	84.6	122.6	181.4	261.5	352.2
17.5°	8.4	12.9	21.6	30.5	41.5	59.7	91.0	130.5	194.9	278.7	375.2
15°	8.4	13.1	22.4	32.1	44.0	63.7	97.3	138.4	207.1	294.5	396.9
12.5°	8.4	13.3	23.2	33.7	46.4	67.5	103.3	146.4	219.5	308.8	417.1
10°	8.4	13.4	24.1	35.3	48.7	71.2	108.9	153.9	231.7	327.3	439.2
7.5°	8.4	13.6	24.8	36.8	50.9	74.7	114.0	160.8	242.7	345.5	467.6
5°	8.4	13.7	25.6	38.3	52.9	77.9	118.7	167.1	252.5	362.5	494.4
2.5°	8.4	13.9	26.3	39.7	54.9	81.0	123.0	172.9	261.1	377.8	519.0
0°	8.4	14.0	27.0	41.0	56.8	83.8	126.7	177.9	268.2	391.2	541.1
-2.5°	8.4	14.5	28.0	42.7	59.4	87.2	131.1	184.0	277.6	402.2	552.2
-5°	8.4	15.0	29.0	44.4	62.0	90.3	134.9	189.3	285.5	411.0	560.2
-7.5°	8.4	15.5	29.9	45.9	64.3	93.1	138.2	193.9	291.6	417.4	565.3
-10°	8.4	15.9	30.8	47.4	66.5	95.7	140.9	197.5	295.8	421.5	567.5
-12.5°	8.4	16.4	31.6	48.7	68.6	97.9	143.0	200.3	298.1	423.0	570.0
-15°	8.4	16.8	32.4	50.0	70.4	99.8	144.6	202.1	297.7	421.1	569.9
-17.5°	8.4	17.2	33.1	51.1	72.1	101.5	145.5	203.2	294.8	416.4	565.1
-20°	8.4	17.6	33.7	52.1	73.5	102.8	146.2	203.8	290.1	408.9	555.4



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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°	8.4	17.9	34.2	53.0	74.8	103.7	146.9	203.5	283.7	398.5	540.9
-25°	8.4	18.2	34.7	53.7	75.8	105.0	147.0	202.3	275.4	385.1	525.8
-27.5°	8.4	18.5	35.2	54.4	76.6	106.1	146.4	200.2	265.4	373.6	512.9
-30°	8.4	18.8	35.5	54.8	77.3	106.8	145.1	197.3	259.5	362.9	496.0
-32.5°	8.4	19.0	35.8	55.2	78.3	107.1	143.1	194.7	256.0	349.4	474.8
-35°	8.4	19.2	36.0	55.4	79.1	107.1	142.4	191.8	251.2	333.2	449.2
-37.5°	8.4	19.4	36.1	55.4	79.7	107.1	141.9	187.9	244.8	314.1	424.8
-40°	8.4	19.5	36.2	55.3	80.1	107.6	141.0	182.9	237.1	301.9	401.0
-42.5°	8.4	19.7	36.2	55.3	80.3	107.8	139.5	177.0	229.6	291.8	374.3
-45°	8.4	19.7	36.1	55.4	80.5	107.7	137.4	171.9	221.5	279.8	347.3
-47.5°	8.4	19.8	36.0	55.4	80.4	107.3	134.9	168.9	212.2	266.0	331.5
-50°	8.4	19.8	35.8	55.4	80.1	106.6	133.5	165.3	201.6	253.7	313.4
-52.5°	8.4	19.7	35.5	55.3	79.5	105.6	132.1	161.2	194.5	239.8	292.7
-55°	8.4	19.7	35.1	55.1	78.7	104.3	130.3	156.9	188.7	224.4	272.8
-57.5°	8.4	19.6	34.7	54.7	77.7	102.8	128.2	154.3	182.1	214.7	251.5
-60°	8.4	19.5	34.2	54.1	76.5	100.9	125.8	151.1	175.5	206.0	232.5
-62.5°	8.4	19.3	33.7	53.5	75.4	98.8	123.0	147.4	170.8	196.0	220.4
-65°	8.4	19.1	33.1	52.7	74.2	96.3	119.9	143.2	165.6	187.9	207.9
-67.5°	8.4	18.9	32.4	51.7	72.8	93.9	116.4	138.5	159.9	180.3	198.0
-70°	8.4	18.7	31.6	50.6	71.1	91.3	112.6	133.5	153.9	172.3	189.0
-72.5°	8.4	18.4	30.8	49.4	69.3	88.5	108.7	128.2	147.6	164.3	179.6
-75°	8.4	18.1	29.9	48.2	67.3	85.5	104.5	122.6	140.9	155.9	170.1
-77.5°	8.4	17.8	28.9	46.8	65.3	82.2	100.1	116.9	133.9	147.4	160.2
-80°	8.4	17.4	27.9	45.2	63.1	79.2	95.4	110.9	126.6	138.6	150.3
-82.5°	8.4	17.1	26.8	43.6	60.8	76.3	91.7	105.2	119.0	129.7	140.2
-85°	8.4	16.7	25.7	41.9	58.4	73.2	88.0	100.6	113.3	122.1	131.0
-87.5°	8.4	16.3	24.5	40.1	55.8	70.0	84.1	95.8	107.5	115.4	123.3
-90°	8.4	7.5	6.5	6.5	6.5	6.5	6.5	6.1	5.6	5.6	5.6



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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°	120.6	125.7	130.4	135.0	140.6	146.2	151.8	157.4	163.5	169.5	175.6
87.5°	5.6	5.2	5.2	5.2	4.8	4.3	4.0	3.7	3.7	3.7	3.6
85°	6.0	5.6	5.6	5.6	5.3	5.0	4.6	4.1	4.2	4.2	4.0
82.5°	6.5	6.1	5.9	5.6	5.5	5.5	5.2	4.8	4.8	4.7	4.4
80°	6.9	6.6	6.2	5.9	5.8	5.6	5.5	5.5	5.2	4.8	4.8
77.5°	7.1	6.6	6.4	6.4	6.2	5.7	5.6	5.6	5.5	5.5	5.2
75°	7.2	6.7	6.6	6.6	6.2	5.8	5.6	5.8	5.9	5.7	5.5
72.5°	7.5	7.3	7.0	6.7	6.5	6.3	6.2	6.4	7.0	7.4	7.9
70°	8.3	8.0	7.7	7.5	7.2	7.1	7.9	9.4	11.0	11.6	13.1
67.5°	9.2	9.0	8.7	8.5	8.5	9.2	10.3	13.7	16.7	18.8	21.0
65°	10.2	10.0	10.0	10.1	10.2	13.1	16.2	19.6	24.8	27.8	27.9
62.5°	11.4	12.8	12.2	13.0	15.7	18.7	23.4	29.5	36.1	38.8	37.1
60°	16.1	16.8	17.2	19.3	21.9	25.2	31.6	39.1	46.7	51.3	44.5
57.5°	22.2	23.2	24.9	26.1	29.0	30.9	38.6	47.6	52.6	55.6	47.8
55°	29.8	31.3	33.8	34.4	36.8	37.6	44.0	50.2	54.5	55.4	47.0
52.5°	39.5	41.1	44.8	45.4	45.5	46.3	47.2	54.0	57.4	56.4	48.7
50°	49.9	55.6	57.6	59.8	57.0	58.1	55.0	62.9	69.6	67.9	70.2
47.5°	65.2	72.5	75.4	79.2	77.2	83.6	81.3	96.3	101.5	131.7	138.4
45°	83.7	96.5	100.4	109.3	118.3	125.7	150.0	151.9	215.5	242.0	291.9
42.5°	106.0	125.9	142.2	145.5	188.7	211.8	245.5	301.0	356.7	407.7	441.6
40°	138.9	159.6	194.4	235.0	281.0	330.6	375.5	439.9	493.9	533.9	558.0
37.5°	176.5	215.9	263.3	336.6	398.6	449.1	500.2	555.9	606.7	641.9	687.9
35°	217.7	275.1	363.1	439.3	505.9	553.4	603.3	662.4	710.3	767.2	823.9
32.5°	267.7	335.6	445.9	528.2	582.3	638.6	696.2	758.3	827.0	897.0	969.6
30°	317.2	403.6	511.5	597.0	649.4	715.0	784.9	857.7	947.8	1036.1	1134.2
27.5°	356.1	462.1	564.6	653.1	714.1	791.7	877.1	972.1	1079.1	1187.2	1317.4
25°	390.9	505.5	618.3	711.9	789.5	875.5	975.8	1089.9	1217.3	1369.2	1778.9
22.5°	424.8	547.9	677.5	775.1	862.2	959.5	1080.4	1213.5	1363.4	1565.3	2290.0
20°	459.6	595.8	734.1	827.5	928.6	1037.6	1179.3	1333.7	1519.6	1996.3	3065.4
17.5°	495.3	645.3	782.4	873.6	980.1	1113.0	1277.8	1451.9	1678.5	2400.0	4036.5
15°	530.2	692.0	821.0	914.3	1031.7	1186.4	1370.5	1583.8	1959.9	2963.4	5009.4
12.5°	563.6	733.8	849.8	949.4	1082.7	1255.6	1456.4	1695.9	2290.4	3723.6	6070.7
10°	595.0	770.9	874.7	982.8	1132.5	1320.7	1533.5	1794.6	2579.0	4331.2	6910.8
7.5°	628.9	802.7	897.3	1014.6	1178.4	1380.1	1596.9	1870.5	2794.0	4797.0	7534.9
5°	659.8	828.5	923.5	1051.8	1224.0	1433.8	1651.3	1934.1	2940.7	5092.3	7968.0
2.5°	686.7	849.2	947.7	1087.1	1266.9	1480.9	1700.4	1997.7	3071.7	5341.9	8516.1
0°	709.7	865.2	969.6	1118.6	1303.9	1520.0	1740.7	2049.0	3159.2	5510.0	9151.7
-2.5°	723.8	889.2	1006.0	1151.6	1334.5	1547.7	1777.1	2103.8	3247.9	5873.4	9393.8
-5°	733.8	908.6	1038.6	1180.6	1359.2	1568.0	1803.7	2142.6	3286.0	5973.3	9323.3
-7.5°	739.7	922.7	1066.5	1205.9	1381.3	1591.6	1845.8	2194.5	3303.3	5727.0	8923.7
-10°	742.8	934.6	1084.8	1226.8	1401.8	1613.3	1878.6	2228.0	3232.3	5394.6	8464.0
-12.5°	750.8	944.6	1099.3	1242.3	1415.5	1628.8	1904.1	2253.2	3070.7	4937.9	7832.3
-15°	752.9	949.8	1111.5	1252.9	1429.7	1651.7	1923.3	2257.6	2837.3	4347.7	7025.6
-17.5°	748.7	950.1	1119.9	1261.2	1436.8	1660.4	1929.4	2245.2	2662.9	3918.9	6214.0
-20°	737.7	939.0	1122.5	1262.0	1434.1	1664.0	1932.5	2239.8	2620.4	3480.4	5229.8



REPORT NUMBER: P735962 (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°	720.0	921.4	1113.5	1260.7	1443.5	1665.5	1923.6	2206.7	2528.1	2951.5	4250.1
-25°	701.0	896.5	1089.9	1265.2	1445.2	1657.7	1886.0	2145.9	2442.7	2773.9	3551.0
-27.5°	680.6	867.4	1065.6	1259.5	1436.4	1628.7	1840.7	2084.3	2328.7	2596.2	2927.2
-30°	655.8	835.8	1033.2	1239.1	1415.5	1595.2	1790.7	1987.6	2206.7	2447.5	2727.8
-32.5°	626.1	798.6	993.0	1196.4	1388.0	1556.3	1719.7	1896.6	2092.1	2304.4	2536.3
-35°	593.8	760.9	945.8	1144.4	1354.3	1508.9	1650.9	1803.8	1977.1	2171.0	2386.4
-37.5°	561.0	717.4	890.5	1084.2	1288.2	1450.1	1578.0	1720.7	1873.2	2039.3	2239.6
-40°	523.8	667.3	832.8	1015.8	1196.8	1371.7	1512.3	1641.7	1775.7	1927.7	2091.2
-42.5°	483.8	618.6	769.6	935.5	1099.8	1266.6	1442.7	1569.8	1689.7	1818.8	1962.2
-45°	450.4	564.7	701.3	848.8	997.0	1158.5	1328.4	1498.4	1607.8	1719.6	1841.7
-47.5°	411.6	510.1	635.0	757.9	894.6	1046.9	1207.9	1365.5	1520.9	1629.6	1732.4
-50°	374.7	463.8	559.3	672.4	794.2	934.8	1082.2	1226.4	1372.1	1519.2	1636.5
-52.5°	349.2	414.3	497.1	586.5	699.1	823.3	952.6	1081.1	1217.9	1358.3	1493.5
-55°	321.8	377.5	436.5	512.5	605.2	715.9	823.4	938.5	1056.1	1185.6	1317.2
-57.5°	295.7	341.9	388.1	445.8	523.9	608.4	702.7	797.2	903.8	1012.2	1125.0
-60°	269.8	307.7	347.0	393.0	446.7	518.1	586.4	668.7	757.1	846.3	946.6
-62.5°	245.0	275.9	308.6	347.5	392.4	434.5	490.9	554.8	618.6	697.6	778.8
-65°	230.4	247.6	273.3	307.0	342.0	379.3	415.9	455.0	510.5	569.5	627.2
-67.5°	214.9	230.8	246.9	267.7	298.3	327.3	356.8	391.2	426.6	464.8	506.8
-70°	203.3	214.4	228.6	245.0	261.0	278.6	304.9	332.2	359.5	389.2	422.1
-72.5°	192.4	202.7	213.4	224.9	238.9	252.3	266.1	280.9	302.4	328.5	353.0
-75°	181.3	190.9	200.6	210.7	221.2	231.4	242.2	255.5	270.3	286.3	301.3
-77.5°	170.1	178.9	187.8	196.5	206.1	215.9	225.3	234.8	246.3	258.7	270.5
-80°	159.0	166.8	175.1	183.2	191.5	200.1	208.4	216.4	226.4	237.0	247.4
-82.5°	148.1	155.5	162.6	169.7	177.0	184.1	191.5	199.0	208.2	217.5	226.4
-85°	137.6	144.2	150.1	156.1	162.8	169.4	175.8	182.1	190.5	198.9	206.5
-87.5°	129.2	135.0	140.1	145.1	151.0	156.9	162.5	167.9	175.1	182.3	188.8
-90°	5.2	4.7	4.7	4.7	4.2	3.7	3.7	3.7	3.7	3.7	3.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	181.6	185.8	190.0	192.8	195.6	199.8	204.0	210.1	216.1	221.2	226.3
87.5°	3.5	3.2	2.8	2.7	2.7	2.7	2.7	2.3	1.9	1.9	1.9
85°	3.7	3.6	3.5	3.5	3.5	3.2	2.8	2.8	2.7	2.8	2.8
82.5°	4.2	4.0	3.7	3.7	3.7	3.6	3.5	3.2	2.8	2.8	2.8
80°	4.7	4.4	4.2	4.0	3.7	3.7	3.7	3.3	2.8	2.8	2.8
77.5°	4.9	4.8	4.7	4.3	3.8	3.7	3.7	3.3	2.9	2.8	2.8
75°	5.5	5.5	5.4	5.2	5.0	5.2	5.5	5.4	5.1	4.9	4.6
72.5°	8.4	8.4	8.3	8.7	9.2	9.6	9.9	10.1	10.5	11.2	12.0
70°	14.8	16.0	16.0	16.0	16.0	15.5	15.0	14.8	14.9	15.1	15.4
67.5°	22.4	23.3	23.7	23.9	21.8	20.5	19.9	20.0	20.8	22.5	24.9
65°	28.5	26.8	25.3	23.6	23.8	23.7	22.6	22.1	22.8	23.9	25.0
62.5°	33.9	27.0	22.5	20.3	20.7	21.4	19.3	17.7	17.3	17.0	17.0
60°	36.5	25.4	17.9	15.2	13.6	12.8	11.4	9.7	9.2	9.1	9.3
57.5°	36.9	24.2	14.3	11.3	8.6	6.7	5.6	4.9	4.9	4.7	4.6
55°	35.7	24.4	13.8	12.7	11.6	10.6	9.2	9.0	8.5	8.4	8.9
52.5°	37.0	34.3	28.1	27.2	33.1	33.3	28.7	35.3	39.8	43.3	44.9
50°	73.1	70.2	88.7	88.7	107.4	123.4	118.8	128.1	144.3	158.4	167.1
47.5°	170.8	184.2	211.9	236.8	265.0	300.5	316.2	327.4	341.6	360.5	373.2
45°	318.1	351.4	387.4	427.7	474.8	516.4	540.6	563.9	579.3	596.2	616.1
42.5°	472.3	512.0	565.4	613.6	664.5	713.1	751.4	785.2	851.0	944.9	1019.5
40°	604.4	649.5	711.6	775.8	835.8	897.3	1066.4	1210.5	1390.1	1658.3	1895.9
37.5°	735.5	787.7	856.9	935.6	1116.5	1299.6	1669.1	2068.1	2413.8	2801.5	3193.0
35°	878.3	946.9	1039.4	1304.4	1639.3	2127.5	2657.2	3249.8	3752.9	4294.2	5087.2
32.5°	1047.0	1166.7	1466.1	1947.7	2548.1	3241.7	3898.7	4643.7	5272.0	6266.6	7477.8
30°	1264.5	1640.0	2214.7	2879.6	3689.9	4567.8	5391.6	6598.2	8007.8	9255.6	10286.1
27.5°	1789.0	2514.5	3316.8	4159.4	5174.1	6237.9	7965.2	9526.8	11043.6	12390.9	13956.3
25°	2572.2	3736.1	5107.4	6236.9	7615.7	9538.2	11491.4	13211.3	15516.4	17543.8	19818.1
22.5°	3679.9	5337.2	7103.5	8752.7	10870.2	13278.0	15905.9	19074.9	22277.1	25834.0	28998.4
20°	4761.2	6858.0	9094.8	11468.9	14180.7	17191.3	21487.0	26629.9	31564.2	37168.1	41893.4
17.5°	6201.1	8735.9	11381.3	14399.0	17885.6	22517.3	28857.8	35889.9	43520.3	51888.2	59626.5
15°	7665.2	10396.0	13469.9	17332.2	22263.9	28558.8	36647.7	46220.7	57379.4	69680.7	84636.0
12.5°	8865.2	11851.3	15445.7	20313.0	26763.1	35181.5	44981.9	56505.6	71803.8	90357.6	107732.7
10°	9890.5	13471.0	18013.0	23773.5	31360.3	40864.0	51997.1	66264.2	86871.8	108365.6	127433.2
7.5°	10946.5	15182.3	19992.5	26238.3	34864.6	45652.1	59361.4	77992.2	100666.0	122711.6	140197.4
5°	11942.6	16349.3	21241.6	27914.5	37243.1	48828.9	64383.7	87076.1	111750.1	133342.2	149770.1
2.5°	12722.9	16936.3	21899.4	29162.9	38529.0	50555.4	67532.0	92693.4	118576.4	139856.5	156702.0
0°	13127.7	17254.6	22264.5	29943.6	39595.4	52140.1	69336.9	95172.3	121353.2	142076.1	159246.0
-2.5°	13038.1	17100.9	22038.5	29341.1	39351.7	52426.7	70837.7	96464.1	121831.4	142833.3	159014.9
-5°	12849.7	16858.9	21728.2	28600.7	38478.9	51706.0	69208.1	92768.3	117267.5	138810.6	154541.7
-7.5°	12498.6	16453.6	21109.5	27517.7	37032.4	49558.0	65352.0	85824.9	109327.6	130912.3	146141.4
-10°	11982.1	15827.6	20221.6	26049.8	34594.7	46099.2	59526.8	75514.7	97500.6	117681.1	134602.5
-12.5°	11247.9	14941.9	18989.7	23998.0	31650.4	41789.0	53364.9	66648.9	82362.4	101825.0	117686.3
-15°	10313.7	13787.8	17549.1	22274.6	28673.3	36980.3	46740.3	57045.5	69089.5	82524.2	97984.7
-17.5°	9167.2	12430.5	15933.2	20007.1	25182.0	32151.7	39872.2	47913.3	56606.7	66493.4	75576.4
-20°	7800.1	10785.0	14085.9	17875.1	22309.3	27343.6	32955.9	39456.5	46195.0	53251.3	59494.5



REPORT NUMBER: P735962 (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°	6411.8	9134.8	12280.3	15593.5	19447.5	23290.2	27059.8	31893.2	37097.0	42205.5	46852.5
-25°	5016.9	7420.7	10345.3	13453.0	16546.3	19685.1	22745.7	25747.1	29491.7	32779.9	36190.6
-27.5°	3984.8	5783.1	8238.8	10950.8	13646.2	16265.3	18911.5	21418.6	23780.1	25765.9	28065.4
-30°	3133.8	4347.6	6244.7	8378.8	10737.3	13045.0	15325.3	17443.0	19302.7	20937.7	22534.6
-32.5°	2833.4	3329.0	4456.4	6078.1	7938.8	9963.3	11869.4	13688.4	15221.6	16741.0	18171.8
-35°	2621.0	2893.9	3262.5	4275.6	5487.3	7098.4	8592.5	10102.2	11389.8	12907.2	14080.6
-37.5°	2446.9	2657.1	2890.1	3129.1	3865.9	4672.6	5748.3	6880.0	7874.7	9147.7	10183.6
-40°	2278.4	2464.5	2646.6	2828.3	3024.2	3204.3	3844.6	4428.1	5102.9	5973.7	6718.7
-42.5°	2115.5	2279.4	2437.1	2584.8	2721.7	2839.8	2968.7	3092.2	3456.6	3900.4	4241.2
-45°	1969.2	2108.6	2240.6	2365.4	2469.8	2564.4	2663.6	2767.0	2902.5	3025.6	3127.2
-47.5°	1844.9	1955.1	2063.2	2164.9	2245.0	2325.8	2404.8	2494.0	2599.5	2702.9	2789.3
-50°	1732.4	1827.7	1909.8	1981.9	2048.5	2116.8	2179.8	2259.0	2343.9	2429.4	2500.9
-52.5°	1624.7	1709.5	1778.1	1832.9	1883.7	1939.5	1993.6	2056.8	2125.7	2197.6	2254.5
-55°	1443.7	1551.4	1651.1	1702.6	1742.4	1788.4	1834.2	1885.4	1943.6	2004.0	2049.0
-57.5°	1243.6	1349.9	1443.8	1510.7	1576.7	1644.1	1694.6	1734.6	1787.2	1838.8	1877.7
-60°	1042.7	1131.9	1214.8	1282.4	1351.2	1418.7	1475.5	1527.7	1592.8	1651.9	1700.0
-62.5°	855.7	933.6	997.7	1052.4	1111.0	1169.7	1223.8	1275.3	1334.4	1387.5	1432.6
-65°	685.7	751.1	798.4	841.4	888.1	936.7	979.5	1022.2	1069.7	1112.2	1149.2
-67.5°	554.4	597.8	627.3	654.7	691.8	729.5	763.1	797.1	833.4	865.6	893.6
-70°	453.9	480.9	499.2	520.2	546.5	570.7	592.7	617.6	644.3	668.9	691.3
-72.5°	376.3	394.8	408.4	425.2	442.0	457.3	471.2	489.1	508.5	527.6	545.7
-75°	315.2	327.3	340.3	352.4	363.8	375.0	385.2	399.6	414.5	428.9	442.6
-77.5°	282.9	291.8	299.1	305.8	312.1	319.2	326.3	338.4	351.6	362.6	373.0
-80°	257.7	264.7	270.8	275.9	280.6	286.5	292.4	302.3	312.6	321.9	330.9
-82.5°	235.2	241.2	246.8	251.5	256.0	261.1	266.0	274.7	283.6	291.5	299.2
-85°	214.1	219.4	224.4	228.6	232.7	237.4	242.0	249.5	257.0	264.1	271.1
-87.5°	195.3	199.9	204.5	207.7	210.8	215.2	219.7	226.4	233.2	239.4	245.6
-90°	2.8	2.8	2.8	2.4	1.9	1.9	1.9	1.9	1.9	1.4	0.9



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	229.1	231.9	232.4	232.8	232.4	231.9	229.1	226.3	221.2	216.1	210.1
87.5°	1.4	0.9	1.4	1.9	1.4	0.9	1.4	1.9	1.9	1.9	2.3
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.8
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.2
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.3
77.5°	2.4	1.9	2.3	2.8	2.3	1.9	2.4	2.8	2.8	2.9	3.3
75°	4.2	3.7	3.3	2.8	3.3	3.7	4.2	4.6	4.9	5.1	5.4
72.5°	12.5	12.7	13.4	14.0	13.4	12.7	12.5	12.0	11.2	10.5	10.1
70°	14.9	14.1	14.0	14.0	14.0	14.1	14.9	15.4	15.1	14.9	14.8
67.5°	26.7	28.2	28.8	28.9	28.8	28.2	26.7	24.9	22.5	20.8	20.0
65°	25.9	26.9	27.0	27.0	27.0	26.9	25.9	25.0	23.9	22.8	22.1
62.5°	17.3	17.9	18.2	18.6	18.2	17.9	17.3	17.0	17.0	17.3	17.7
60°	9.7	10.3	10.7	11.2	10.7	10.3	9.7	9.3	9.1	9.2	9.7
57.5°	4.5	4.8	5.1	5.6	5.1	4.8	4.5	4.6	4.7	4.9	4.9
55°	9.3	9.9	10.1	10.2	10.1	9.9	9.3	8.9	8.4	8.5	9.0
52.5°	44.1	42.0	40.4	39.1	40.4	42.0	44.1	44.9	43.3	39.8	35.3
50°	170.7	166.5	161.8	157.4	161.8	166.5	170.7	167.1	158.4	144.3	128.1
47.5°	380.7	377.4	370.4	361.4	370.4	377.4	380.7	373.2	360.5	341.6	327.4
45°	643.5	662.2	670.6	665.9	670.6	662.2	643.5	616.1	596.2	579.3	563.9
42.5°	1044.9	1061.4	1062.8	1038.5	1062.8	1061.4	1044.9	1019.5	944.9	851.0	785.2
40°	2067.8	2211.1	2260.2	2112.4	2260.2	2211.1	2067.8	1895.9	1658.3	1390.1	1210.5
37.5°	3664.9	4227.9	4697.5	4715.5	4697.5	4227.9	3664.9	3193.0	2801.5	2413.8	2068.1
35°	5939.6	6518.8	6798.8	6786.9	6798.8	6518.8	5939.6	5087.2	4294.2	3752.9	3249.8
32.5°	8348.1	8787.0	9067.4	8999.9	9067.4	8787.0	8348.1	7477.8	6266.6	5272.0	4643.7
30°	11022.1	11429.2	11756.1	11751.1	11756.1	11429.2	11022.1	10286.1	9255.6	8007.8	6598.2
27.5°	15230.5	16069.4	16736.2	16623.1	16736.2	16069.4	15230.5	13956.3	12390.9	11043.6	9526.8
25°	21736.5	23271.1	24356.0	24132.8	24356.0	23271.1	21736.5	19818.1	17543.8	15516.4	13211.3
22.5°	31347.6	33316.2	34139.3	33486.6	34139.3	33316.2	31347.6	28998.4	25834.0	22277.1	19074.9
20°	46395.1	50045.0	52314.1	50961.0	52314.1	50045.0	46395.1	41893.4	37168.1	31564.2	26629.9
17.5°	69641.9	77559.9	83816.2	83643.8	83816.2	77559.9	69641.9	59626.5	51888.2	43520.3	35889.9
15°	97656.6	106668.9	113608.3	114410.7	113608.3	106668.9	97656.6	84636.0	69680.7	57379.4	46220.7
12.5°	122740.8	131906.4	138697.2	140651.2	138697.2	131906.4	122740.8	107732.7	90357.6	71803.8	56505.6
10°	140618.2	149764.8	156337.8	158655.5	156337.8	149764.8	140618.2	127433.2	108365.6	86871.8	66264.2
7.5°	153732.9	163656.1	168583.2	171101.5	168583.2	163656.1	153732.9	140197.4	122711.6	100666.0	77992.2
5°	163169.7	172392.2	177158.7	180210.3	177158.7	172392.2	163169.7	149770.1	133342.2	111750.1	87076.1
2.5°	169118.6	177825.4	183549.3	186286.6	183549.3	177825.4	169118.6	156702.0	139856.5	118576.4	92693.4
0°	171038.6	179397.2	185813.0	188266.7	185813.0	179397.2	171038.6	159246.0	142076.1	121353.2	95172.3
-2.5°	170145.6	178333.5	183450.5	184442.4	183450.5	178333.5	170145.6	159014.9	142833.3	121831.4	96464.1
-5°	165497.9	173044.5	177769.5	178545.9	177769.5	173044.5	165497.9	154541.7	138810.6	117267.5	92768.3
-7.5°	157485.5	165013.5	168919.1	170069.0	168919.1	165013.5	157485.5	146141.4	130912.3	109327.6	85824.9
-10°	145868.3	153141.2	157315.3	158305.4	157315.3	153141.2	145868.3	134602.5	117681.1	97500.6	75514.7
-12.5°	130016.4	137775.1	142446.8	143476.1	142446.8	137775.1	130016.4	117686.3	101825.0	82362.4	66648.9
-15°	109461.1	117442.0	123405.8	124848.6	123405.8	117442.0	109461.1	97984.7	82524.2	69089.5	57045.5
-17.5°	85767.0	93753.4	99112.5	100135.6	99112.5	93753.4	85767.0	75576.4	66493.4	56606.7	47913.3
-20°	65360.1	70496.5	73521.0	74047.8	73521.0	70496.5	65360.1	59494.5	53251.3	46195.0	39456.5



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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°	50650.1	54102.3	55943.8	56203.7	55943.8	54102.3	50650.1	46852.5	42205.5	37097.0	31893.2
-25°	39249.0	41757.3	43128.9	43357.2	43128.9	41757.3	39249.0	36190.6	32779.9	29491.7	25747.1
-27.5°	30136.5	31694.7	32970.8	32705.1	32970.8	31694.7	30136.5	28065.4	25765.9	23780.1	21418.6
-30°	23846.6	24845.9	25599.7	25402.2	25599.7	24845.9	23846.6	22534.6	20937.7	19302.7	17443.0
-32.5°	19300.6	20083.6	20613.5	20754.7	20613.5	20083.6	19300.6	18171.8	16741.0	15221.6	13688.4
-35°	15001.4	15641.1	16008.3	16150.9	16008.3	15641.1	15001.4	14080.6	12907.2	11389.8	10102.2
-37.5°	10952.5	11513.7	11864.1	11985.8	11864.1	11513.7	10952.5	10183.6	9147.7	7874.7	6880.0
-40°	7289.2	7721.6	8008.6	8119.7	8008.6	7721.6	7289.2	6718.7	5973.7	5102.9	4428.1
-42.5°	4506.8	4709.3	4837.4	4877.6	4837.4	4709.3	4506.8	4241.2	3900.4	3456.6	3092.2
-45°	3205.7	3261.6	3293.7	3299.9	3293.7	3261.6	3205.7	3127.2	3025.6	2902.5	2767.0
-47.5°	2856.9	2901.0	2923.5	2924.5	2923.5	2901.0	2856.9	2789.3	2702.9	2599.5	2494.0
-50°	2560.0	2600.7	2621.3	2622.7	2621.3	2600.7	2560.0	2500.9	2429.4	2343.9	2259.0
-52.5°	2301.0	2333.5	2348.6	2348.9	2348.6	2333.5	2301.0	2254.5	2197.6	2125.7	2056.8
-55°	2086.0	2111.3	2120.7	2118.9	2120.7	2111.3	2086.0	2049.0	2004.0	1943.6	1885.4
-57.5°	1910.1	1934.9	1942.7	1940.0	1942.7	1934.9	1910.1	1877.7	1838.8	1787.2	1734.6
-60°	1737.6	1764.1	1774.1	1773.3	1774.1	1764.1	1737.6	1700.0	1651.9	1592.8	1527.7
-62.5°	1464.9	1485.2	1496.1	1499.5	1496.1	1485.2	1464.9	1432.6	1387.5	1334.4	1275.3
-65°	1174.6	1190.9	1199.6	1202.4	1199.6	1190.9	1174.6	1149.2	1112.2	1069.7	1022.2
-67.5°	911.7	923.4	929.0	930.4	929.0	923.4	911.7	893.6	865.6	833.4	797.1
-70°	705.1	714.7	719.2	720.9	719.2	714.7	705.1	691.3	668.9	644.3	617.6
-72.5°	556.2	563.8	566.9	568.1	566.9	563.8	556.2	545.7	527.6	508.5	489.1
-75°	449.1	453.6	455.5	456.4	455.5	453.6	449.1	442.6	428.9	414.5	399.6
-77.5°	378.7	383.6	385.4	386.5	385.4	383.6	378.7	373.0	362.6	351.6	338.4
-80°	335.0	338.5	339.8	340.9	339.8	338.5	335.0	330.9	321.9	312.6	302.3
-82.5°	304.1	308.8	309.1	309.2	309.1	308.8	304.1	299.2	291.5	283.6	274.7
-85°	274.8	278.3	278.9	279.4	278.9	278.3	274.8	271.1	264.1	257.0	249.5
-87.5°	249.0	252.3	252.4	252.4	252.4	252.3	249.0	245.6	239.4	233.2	226.4
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	204.0	199.8	195.6	192.8	190.0	185.8	181.6	175.6	169.5	163.5	157.4
87.5°	2.7	2.7	2.7	2.7	2.8	3.2	3.5	3.6	3.7	3.7	3.7
85°	2.8	3.2	3.5	3.5	3.5	3.6	3.7	4.0	4.2	4.2	4.1
82.5°	3.5	3.6	3.7	3.7	3.7	4.0	4.2	4.4	4.7	4.8	4.8
80°	3.7	3.7	3.7	4.0	4.2	4.4	4.7	4.8	4.8	5.2	5.5
77.5°	3.7	3.7	3.8	4.3	4.7	4.8	4.9	5.2	5.5	5.5	5.6
75°	5.5	5.2	5.0	5.2	5.4	5.5	5.5	5.5	5.7	5.9	5.8
72.5°	9.9	9.6	9.2	8.7	8.3	8.4	8.4	7.9	7.4	7.0	6.4
70°	15.0	15.5	16.0	16.0	16.0	16.0	14.8	13.1	11.6	11.0	9.4
67.5°	19.9	20.5	21.8	23.9	23.7	23.3	22.4	21.0	18.8	16.7	13.7
65°	22.6	23.7	23.8	23.6	25.3	26.8	28.5	27.9	27.8	24.8	19.6
62.5°	19.3	21.4	20.7	20.3	22.5	27.0	33.9	37.1	38.8	36.1	29.5
60°	11.4	12.8	13.6	15.2	17.9	25.4	36.5	44.5	51.3	46.7	39.1
57.5°	5.6	6.7	8.6	11.3	14.3	24.2	36.9	47.8	55.6	52.6	47.6
55°	9.2	10.6	11.6	12.7	13.8	24.4	35.7	47.0	55.4	54.5	50.2
52.5°	28.7	33.3	33.1	27.2	28.1	34.3	37.0	48.7	56.4	57.4	54.0
50°	118.8	123.4	107.4	88.7	88.7	70.2	73.1	70.2	67.9	69.6	62.9
47.5°	316.2	300.5	265.0	236.8	211.9	184.2	170.8	138.4	131.7	101.5	96.3
45°	540.6	516.4	474.8	427.7	387.4	351.4	318.1	291.9	242.0	215.5	151.9
42.5°	751.4	713.1	664.5	613.6	565.4	512.0	472.3	441.6	407.7	356.7	301.0
40°	1066.4	897.3	835.8	775.8	711.6	649.5	604.4	558.0	533.9	493.9	439.9
37.5°	1669.1	1299.6	1116.5	935.6	856.9	787.7	735.5	687.9	641.9	606.7	555.9
35°	2657.2	2127.5	1639.3	1304.4	1039.4	946.9	878.3	823.9	767.2	710.3	662.4
32.5°	3898.7	3241.7	2548.1	1947.7	1466.1	1166.7	1047.0	969.6	897.0	827.0	758.3
30°	5391.6	4567.8	3689.9	2879.6	2214.7	1640.0	1264.5	1134.2	1036.1	947.8	857.7
27.5°	7965.2	6237.9	5174.1	4159.4	3316.8	2514.5	1789.0	1317.4	1187.2	1079.1	972.1
25°	11491.4	9538.2	7615.7	6236.9	5107.4	3736.1	2572.2	1778.9	1369.2	1217.3	1089.9
22.5°	15905.9	13278.0	10870.2	8752.7	7103.5	5337.2	3679.9	2290.0	1565.3	1363.4	1213.5
20°	21487.0	17191.3	14180.7	11468.9	9094.8	6858.0	4761.2	3065.4	1996.3	1519.6	1333.7
17.5°	28857.8	22517.3	17885.6	14399.0	11381.3	8735.9	6201.1	4036.5	2400.0	1678.5	1451.9
15°	36647.7	28558.8	22263.9	17332.2	13469.9	10396.0	7665.2	5009.4	2963.4	1959.9	1583.8
12.5°	44981.9	35181.5	26763.1	20313.0	15445.7	11851.3	8865.2	6070.7	3723.6	2290.4	1695.9
10°	51997.1	40864.0	31360.3	23773.5	18013.0	13471.0	9890.5	6910.8	4331.2	2579.0	1794.6
7.5°	59361.4	45652.1	34864.6	26238.3	19992.5	15182.3	10946.5	7534.9	4797.0	2794.0	1870.5
5°	64383.7	48828.9	37243.1	27914.5	21241.6	16349.3	11942.6	7968.0	5092.3	2940.7	1934.1
2.5°	67532.0	50555.4	38529.0	29162.9	21899.4	16936.3	12722.9	8516.1	5341.9	3071.7	1997.7
0°	69336.9	52140.1	39595.4	29943.6	22264.5	17254.6	13127.7	9151.7	5510.0	3159.2	2049.0
-2.5°	70837.7	52426.7	39351.7	29341.1	22038.5	17100.9	13038.1	9393.8	5873.4	3247.9	2103.8
-5°	69208.1	51706.0	38478.9	28600.7	21728.2	16858.9	12849.7	9323.3	5973.3	3286.0	2142.6
-7.5°	65352.0	49558.0	37032.4	27517.7	21109.5	16453.6	12498.6	8923.7	5727.0	3303.3	2194.5
-10°	59526.8	46099.2	34594.7	26049.8	20221.6	15827.6	11982.1	8464.0	5394.6	3232.3	2228.0
-12.5°	53364.9	41789.0	31650.4	23998.0	18989.7	14941.9	11247.9	7832.3	4937.9	3070.7	2253.2
-15°	46740.3	36980.3	28673.3	22274.6	17549.1	13787.8	10313.7	7025.6	4347.7	2837.3	2257.6
-17.5°	39872.2	32151.7	25182.0	20007.1	15933.2	12430.5	9167.2	6214.0	3918.9	2662.9	2245.2
-20°	32955.9	27343.6	22309.3	17875.1	14085.9	10785.0	7800.1	5229.8	3480.4	2620.4	2239.8



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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°	27059.8	23290.2	19447.5	15593.5	12280.3	9134.8	6411.8	4250.1	2951.5	2528.1	2206.7
-25°	22745.7	19685.1	16546.3	13453.0	10345.3	7420.7	5016.9	3551.0	2773.9	2442.7	2145.9
-27.5°	18911.5	16265.3	13646.2	10950.8	8238.8	5783.1	3984.8	2927.2	2596.2	2328.7	2084.3
-30°	15325.3	13045.0	10737.3	8378.8	6244.7	4347.6	3133.8	2727.8	2447.5	2206.7	1987.6
-32.5°	11869.4	9963.3	7938.8	6078.1	4456.4	3329.0	2833.4	2536.3	2304.4	2092.1	1896.6
-35°	8592.5	7098.4	5487.3	4275.6	3262.5	2893.9	2621.0	2386.4	2171.0	1977.1	1803.8
-37.5°	5748.3	4672.6	3865.9	3129.1	2890.1	2657.1	2446.9	2239.6	2039.3	1873.2	1720.7
-40°	3844.6	3204.3	3024.2	2828.3	2646.6	2464.5	2278.4	2091.2	1927.7	1775.7	1641.7
-42.5°	2968.7	2839.8	2721.7	2584.8	2437.1	2279.4	2115.5	1962.2	1818.8	1689.7	1569.8
-45°	2663.6	2564.4	2469.8	2365.4	2240.6	2108.6	1969.2	1841.7	1719.6	1607.8	1498.4
-47.5°	2404.8	2325.8	2245.0	2164.9	2063.2	1955.1	1844.9	1732.4	1629.6	1520.9	1365.5
-50°	2179.8	2116.8	2048.5	1981.9	1909.8	1827.7	1732.4	1636.5	1519.2	1372.1	1226.4
-52.5°	1993.6	1939.5	1883.7	1832.9	1778.1	1709.5	1624.7	1493.5	1358.3	1217.9	1081.1
-55°	1834.2	1788.4	1742.4	1702.6	1651.1	1551.4	1443.7	1317.2	1185.6	1056.1	938.5
-57.5°	1694.6	1644.1	1576.7	1510.7	1443.8	1349.9	1243.6	1125.0	1012.2	903.8	797.2
-60°	1475.5	1418.7	1351.2	1282.4	1214.8	1131.9	1042.7	946.6	846.3	757.1	668.7
-62.5°	1223.8	1169.7	1111.0	1052.4	997.7	933.6	855.7	778.8	697.6	618.6	554.8
-65°	979.5	936.7	888.1	841.4	798.4	751.1	685.7	627.2	569.5	510.5	455.0
-67.5°	763.1	729.5	691.8	654.7	627.3	597.8	554.4	506.8	464.8	426.6	391.2
-70°	592.7	570.7	546.5	520.2	499.2	480.9	453.9	422.1	389.2	359.5	332.2
-72.5°	471.2	457.3	442.0	425.2	408.4	394.8	376.3	353.0	328.5	302.4	280.9
-75°	385.2	375.0	363.8	352.4	340.3	327.3	315.2	301.3	286.3	270.3	255.5
-77.5°	326.3	319.2	312.1	305.8	299.1	291.8	282.9	270.5	258.7	246.3	234.8
-80°	292.4	286.5	280.6	275.9	270.8	264.7	257.7	247.4	237.0	226.4	216.4
-82.5°	266.0	261.1	256.0	251.5	246.8	241.2	235.2	226.4	217.5	208.2	199.0
-85°	242.0	237.4	232.7	228.6	224.4	219.4	214.1	206.5	198.9	190.5	182.1
-87.5°	219.7	215.2	210.8	207.7	204.5	199.9	195.3	188.8	182.3	175.1	167.9
-90°	1.9	1.9	1.9	2.4	2.8	2.8	2.8	3.3	3.7	3.7	3.7



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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°	151.8	146.2	140.6	135.0	130.4	125.7	120.6	115.5	108.5	101.5	90.8
87.5°	4.0	4.3	4.8	5.2	5.2	5.2	5.6	6.0	5.9	5.9	6.3
85°	4.6	5.0	5.3	5.6	5.6	5.6	6.0	6.4	6.3	6.2	6.6
82.5°	5.2	5.5	5.5	5.6	5.9	6.1	6.5	6.8	6.7	6.6	6.9
80°	5.5	5.6	5.8	5.9	6.2	6.6	6.9	7.2	7.3	7.2	7.4
77.5°	5.6	5.7	6.2	6.4	6.4	6.6	7.1	7.6	7.9	7.9	8.0
75°	5.6	5.8	6.2	6.6	6.6	6.7	7.2	7.7	8.2	8.5	8.6
72.5°	6.2	6.3	6.5	6.7	7.0	7.3	7.5	7.9	8.5	8.9	9.1
70°	7.9	7.1	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.4	9.6
67.5°	10.3	9.2	8.5	8.5	8.7	9.0	9.2	9.4	9.7	9.9	10.1
65°	16.2	13.1	10.2	10.1	10.0	10.0	10.2	10.6	10.5	11.0	10.7
62.5°	23.4	18.7	15.7	13.0	12.2	12.8	11.4	12.6	11.6	12.3	12.0
60°	31.6	25.2	21.9	19.3	17.2	16.8	16.1	15.0	14.7	13.8	13.6
57.5°	38.6	30.9	29.0	26.1	24.9	23.2	22.2	20.3	18.3	17.1	15.4
55°	44.0	37.6	36.8	34.4	33.8	31.3	29.8	27.3	23.1	21.2	17.4
52.5°	47.2	46.3	45.5	45.4	44.8	41.1	39.5	34.8	31.2	25.6	21.5
50°	55.0	58.1	57.0	59.8	57.6	55.6	49.9	45.1	39.8	31.4	26.0
47.5°	81.3	83.6	77.2	79.2	75.4	72.5	65.2	56.7	49.1	39.9	30.7
45°	150.0	125.7	118.3	109.3	100.4	96.5	83.7	69.2	60.5	49.0	35.6
42.5°	245.5	211.8	188.7	145.5	142.2	125.9	106.0	89.2	72.4	58.4	42.5
40°	375.5	330.6	281.0	235.0	194.4	159.6	138.9	112.4	85.0	68.8	51.0
37.5°	500.2	449.1	398.6	336.6	263.3	215.9	176.5	137.5	101.4	80.7	59.6
35°	603.3	553.4	505.9	439.3	363.1	275.1	217.7	167.9	124.6	93.2	68.4
32.5°	696.2	638.6	582.3	528.2	445.9	335.6	267.7	202.6	148.4	106.1	77.2
30°	784.9	715.0	649.4	597.0	511.5	403.6	317.2	235.8	172.7	119.5	86.1
27.5°	877.1	791.7	714.1	653.1	564.6	462.1	356.1	267.2	197.3	134.1	96.0
25°	975.8	875.5	789.5	711.9	618.3	505.5	390.9	297.0	223.0	151.0	105.3
22.5°	1080.4	959.5	862.2	775.1	677.5	547.9	424.8	327.5	242.9	166.7	114.2
20°	1179.3	1037.6	928.6	827.5	734.1	595.8	459.6	352.2	261.5	181.4	122.6
17.5°	1277.8	1113.0	980.1	873.6	782.4	645.3	495.3	375.2	278.7	194.9	130.5
15°	1370.5	1186.4	1031.7	914.3	821.0	692.0	530.2	396.9	294.5	207.1	138.4
12.5°	1456.4	1255.6	1082.7	949.4	849.8	733.8	563.6	417.1	308.8	219.5	146.4
10°	1533.5	1320.7	1132.5	982.8	874.7	770.9	595.0	439.2	327.3	231.7	153.9
7.5°	1596.9	1380.1	1178.4	1014.6	897.3	802.7	628.9	467.6	345.5	242.7	160.8
5°	1651.3	1433.8	1224.0	1051.8	923.5	828.5	659.8	494.4	362.5	252.5	167.1
2.5°	1700.4	1480.9	1266.9	1087.1	947.7	849.2	686.7	519.0	377.8	261.1	172.9
0°	1740.7	1520.0	1303.9	1118.6	969.6	865.2	709.7	541.1	391.2	268.2	177.9
-2.5°	1777.1	1547.7	1334.5	1151.6	1006.0	889.2	723.8	552.2	402.2	277.6	184.0
-5°	1803.7	1568.0	1359.2	1180.6	1038.6	908.6	733.8	560.2	411.0	285.5	189.3
-7.5°	1845.8	1591.6	1381.3	1205.9	1066.5	922.7	739.7	565.3	417.4	291.6	193.9
-10°	1878.6	1613.3	1401.8	1226.8	1084.8	934.6	742.8	567.5	421.5	295.8	197.5
-12.5°	1904.1	1628.8	1415.5	1242.3	1099.3	944.6	750.8	570.0	423.0	298.1	200.3
-15°	1923.3	1651.7	1429.7	1252.9	1111.5	949.8	752.9	569.9	421.1	297.7	202.1
-17.5°	1929.4	1660.4	1436.8	1261.2	1119.9	950.1	748.7	565.1	416.4	294.8	203.2
-20°	1932.5	1664.0	1434.1	1262.0	1122.5	939.0	737.7	555.4	408.9	290.1	203.8



REPORT NUMBER: P735962 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-4S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1923.6	1665.5	1443.5	1260.7	1113.5	921.4	720.0	540.9	398.5	283.7	203.5
-25°	1886.0	1657.7	1445.2	1265.2	1089.9	896.5	701.0	525.8	385.1	275.4	202.3
-27.5°	1840.7	1628.7	1436.4	1259.5	1065.6	867.4	680.6	512.9	373.6	265.4	200.2
-30°	1790.7	1595.2	1415.5	1239.1	1033.2	835.8	655.8	496.0	362.9	259.5	197.3
-32.5°	1719.7	1556.3	1388.0	1196.4	993.0	798.6	626.1	474.8	349.4	256.0	194.7
-35°	1650.9	1508.9	1354.3	1144.4	945.8	760.9	593.8	449.2	333.2	251.2	191.8
-37.5°	1578.0	1450.1	1288.2	1084.2	890.5	717.4	561.0	424.8	314.1	244.8	187.9
-40°	1512.3	1371.7	1196.8	1015.8	832.8	667.3	523.8	401.0	301.9	237.1	182.9
-42.5°	1442.7	1266.6	1099.8	935.5	769.6	618.6	483.8	374.3	291.8	229.6	177.0
-45°	1328.4	1158.5	997.0	848.8	701.3	564.7	450.4	347.3	279.8	221.5	171.9
-47.5°	1207.9	1046.9	894.6	757.9	635.0	510.1	411.6	331.5	266.0	212.2	168.9
-50°	1082.2	934.8	794.2	672.4	559.3	463.8	374.7	313.4	253.7	201.6	165.3
-52.5°	952.6	823.3	699.1	586.5	497.1	414.3	349.2	292.7	239.8	194.5	161.2
-55°	823.4	715.9	605.2	512.5	436.5	377.5	321.8	272.8	224.4	188.7	156.9
-57.5°	702.7	608.4	523.9	445.8	388.1	341.9	295.7	251.5	214.7	182.1	154.3
-60°	586.4	518.1	446.7	393.0	347.0	307.7	269.8	232.5	206.0	175.5	151.1
-62.5°	490.9	434.5	392.4	347.5	308.6	275.9	245.0	220.4	196.0	170.8	147.4
-65°	415.9	379.3	342.0	307.0	273.3	247.6	230.4	207.9	187.9	165.6	143.2
-67.5°	356.8	327.3	298.3	267.7	246.9	230.8	214.9	198.0	180.3	159.9	138.5
-70°	304.9	278.6	261.0	245.0	228.6	214.4	203.3	189.0	172.3	153.9	133.5
-72.5°	266.1	252.3	238.9	224.9	213.4	202.7	192.4	179.6	164.3	147.6	128.2
-75°	242.2	231.4	221.2	210.7	200.6	190.9	181.3	170.1	155.9	140.9	122.6
-77.5°	225.3	215.9	206.1	196.5	187.8	178.9	170.1	160.2	147.4	133.9	116.9
-80°	208.4	200.1	191.5	183.2	175.1	166.8	159.0	150.3	138.6	126.6	110.9
-82.5°	191.5	184.1	177.0	169.7	162.6	155.5	148.1	140.2	129.7	119.0	105.2
-85°	175.8	169.4	162.8	156.1	150.1	144.2	137.6	131.0	122.1	113.3	100.6
-87.5°	162.5	156.9	151.0	145.1	140.1	135.0	129.2	123.3	115.4	107.5	95.8
-90°	3.7	3.7	4.2	4.7	4.7	4.7	5.2	5.6	5.6	5.6	6.1



REPORT NUMBER: P735962 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	80.1	66.6	53.1	38.2	23.3	15.8	8.4
87.5°	6.8	6.8	6.8	6.7	6.7	7.6	8.4
85°	7.0	7.1	7.2	7.0	6.8	7.8	8.4
82.5°	7.3	7.5	7.5	7.2	7.0	7.9	8.4
80°	7.6	7.8	7.8	7.5	7.2	8.1	8.4
77.5°	8.1	8.1	8.1	7.7	7.4	8.3	8.4
75°	8.6	8.5	8.5	8.0	7.6	8.5	8.4
72.5°	9.0	8.9	8.8	8.2	7.8	8.6	8.4
70°	9.5	9.3	9.1	8.5	8.1	8.8	8.4
67.5°	10.2	9.7	9.5	8.8	8.3	9.0	8.4
65°	10.9	10.3	9.9	9.2	8.6	9.2	8.4
62.5°	11.7	11.2	10.3	9.6	8.9	9.4	8.4
60°	12.6	12.1	10.7	10.0	9.1	9.6	8.4
57.5°	14.3	13.0	11.7	10.3	9.7	9.8	8.4
55°	16.3	14.0	12.7	10.7	10.2	10.0	8.4
52.5°	18.3	15.2	13.8	11.1	10.8	10.2	8.4
50°	20.5	17.3	14.9	11.6	11.4	10.4	8.4
47.5°	23.0	19.5	16.1	12.1	12.0	10.6	8.4
45°	27.2	21.8	17.3	13.0	12.7	10.8	8.4
42.5°	31.5	24.2	18.6	14.0	13.4	11.0	8.4
40°	36.1	26.7	20.3	15.4	14.1	11.2	8.4
37.5°	40.9	29.3	22.2	17.0	14.9	11.4	8.4
35°	45.7	32.7	24.2	18.7	15.7	11.6	8.4
32.5°	51.2	36.5	26.2	20.3	16.5	11.8	8.4
30°	58.3	40.3	28.2	22.0	17.3	12.0	8.4
27.5°	65.2	43.9	30.9	23.7	18.1	12.2	8.4
25°	71.9	47.5	33.6	25.4	19.0	12.4	8.4
22.5°	78.4	51.3	36.3	27.1	19.8	12.6	8.4
20°	84.6	55.5	39.0	28.8	20.7	12.7	8.4
17.5°	91.0	59.7	41.5	30.5	21.6	12.9	8.4
15°	97.3	63.7	44.0	32.1	22.4	13.1	8.4
12.5°	103.3	67.5	46.4	33.7	23.2	13.3	8.4
10°	108.9	71.2	48.7	35.3	24.1	13.4	8.4
7.5°	114.0	74.7	50.9	36.8	24.8	13.6	8.4
5°	118.7	77.9	52.9	38.3	25.6	13.7	8.4
2.5°	123.0	81.0	54.9	39.7	26.3	13.9	8.4
0°	126.7	83.8	56.8	41.0	27.0	14.0	8.4
-2.5°	131.1	87.2	59.4	42.7	28.0	14.5	8.4
-5°	134.9	90.3	62.0	44.4	29.0	15.0	8.4
-7.5°	138.2	93.1	64.3	45.9	29.9	15.5	8.4
-10°	140.9	95.7	66.5	47.4	30.8	15.9	8.4
-12.5°	143.0	97.9	68.6	48.7	31.6	16.4	8.4
-15°	144.6	99.8	70.4	50.0	32.4	16.8	8.4
-17.5°	145.5	101.5	72.1	51.1	33.1	17.2	8.4
-20°	146.2	102.8	73.5	52.1	33.7	17.6	8.4



REPORT NUMBER: P735962 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-4S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	146.9	103.7	74.8	53.0	34.2	17.9	8.4
-25°	147.0	105.0	75.8	53.7	34.7	18.2	8.4
-27.5°	146.4	106.1	76.6	54.4	35.2	18.5	8.4
-30°	145.1	106.8	77.3	54.8	35.5	18.8	8.4
-32.5°	143.1	107.1	78.3	55.2	35.8	19.0	8.4
-35°	142.4	107.1	79.1	55.4	36.0	19.2	8.4
-37.5°	141.9	107.1	79.7	55.4	36.1	19.4	8.4
-40°	141.0	107.6	80.1	55.3	36.2	19.5	8.4
-42.5°	139.5	107.8	80.3	55.3	36.2	19.7	8.4
-45°	137.4	107.7	80.5	55.4	36.1	19.7	8.4
-47.5°	134.9	107.3	80.4	55.4	36.0	19.8	8.4
-50°	133.5	106.6	80.1	55.4	35.8	19.8	8.4
-52.5°	132.1	105.6	79.5	55.3	35.5	19.7	8.4
-55°	130.3	104.3	78.7	55.1	35.1	19.7	8.4
-57.5°	128.2	102.8	77.7	54.7	34.7	19.6	8.4
-60°	125.8	100.9	76.5	54.1	34.2	19.5	8.4
-62.5°	123.0	98.8	75.4	53.5	33.7	19.3	8.4
-65°	119.9	96.3	74.2	52.7	33.1	19.1	8.4
-67.5°	116.4	93.9	72.8	51.7	32.4	18.9	8.4
-70°	112.6	91.3	71.1	50.6	31.6	18.7	8.4
-72.5°	108.7	88.5	69.3	49.4	30.8	18.4	8.4
-75°	104.5	85.5	67.3	48.2	29.9	18.1	8.4
-77.5°	100.1	82.2	65.3	46.8	28.9	17.8	8.4
-80°	95.4	79.2	63.1	45.2	27.9	17.4	8.4
-82.5°	91.7	76.3	60.8	43.6	26.8	17.1	8.4
-85°	88.0	73.2	58.4	41.9	25.7	16.7	8.4
-87.5°	84.1	70.0	55.8	40.1	24.5	16.3	8.4
-90°	6.5	6.5	6.5	6.5	6.5	7.5	8.4

(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

