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

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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: STREETWORKS

Report Number: P955088

Luminaire Tested: **GLAN-SB8A-927-U-SLL**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P955088
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB8A-927-U-SLL
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22000 lumens
Efficiency:	N/A
Efficacy:	96.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	227.1
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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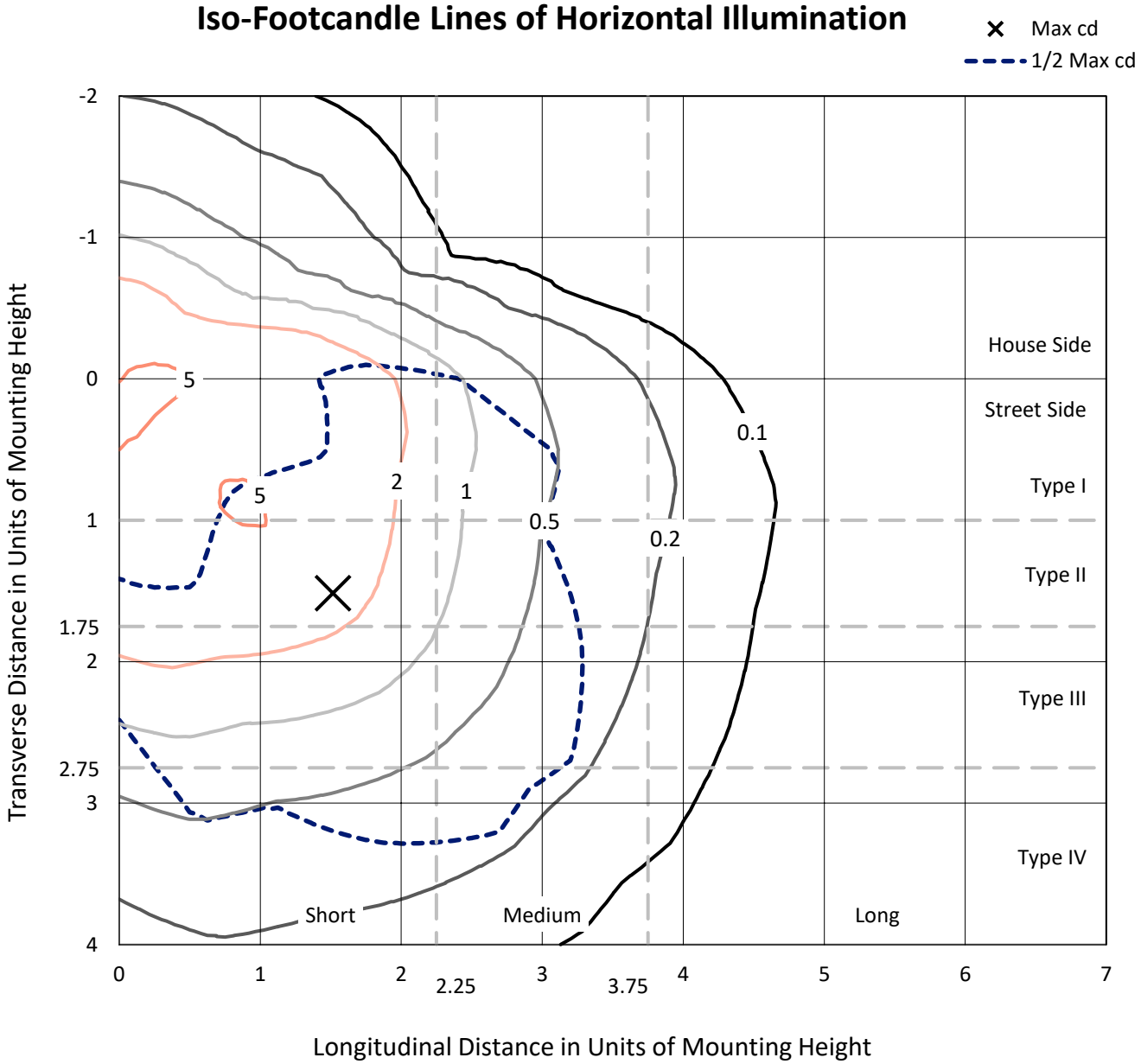
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
Type IV - Short - N/A

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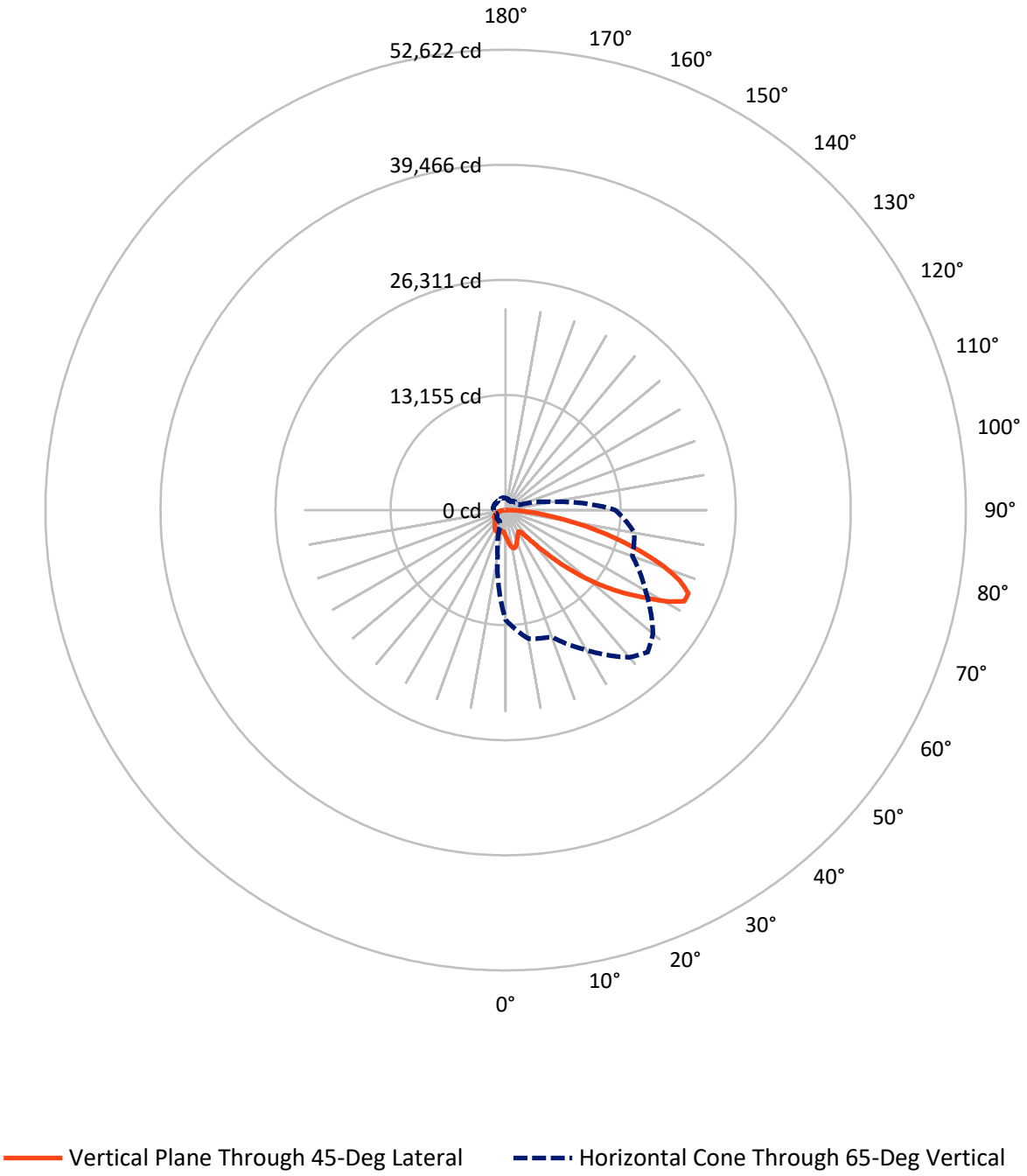
Luminous Intensity Polar Plot



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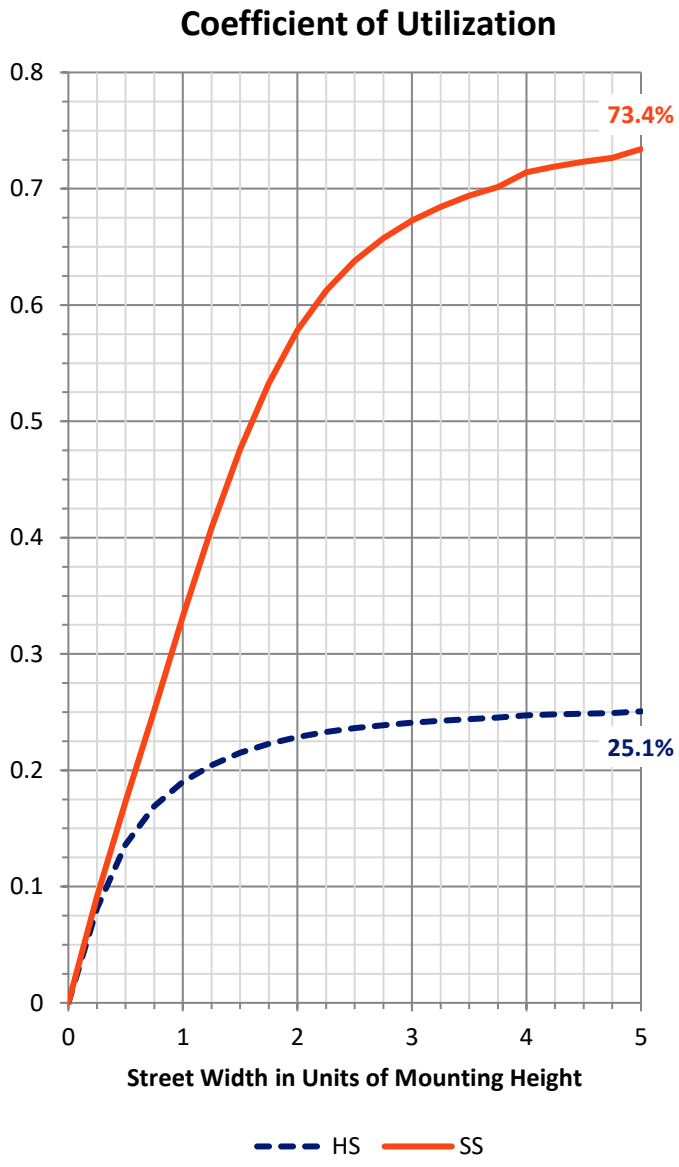
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5591.3	0.0	5591.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	16408.7	0.0	16408.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	22000.0	0.0	22000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.1	1.4
10°-20°	942.1	4.3
20°-30°	1455.2	6.6
30°-40°	1844.1	8.4
40°-50°	2781.3	12.6
50°-60°	4493.6	20.4
60°-70°	5602.0	25.5
70°-80°	3673.5	16.7
80°-90°	908.2	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22000.0	100.0
0°-180°	22000.0	100.0



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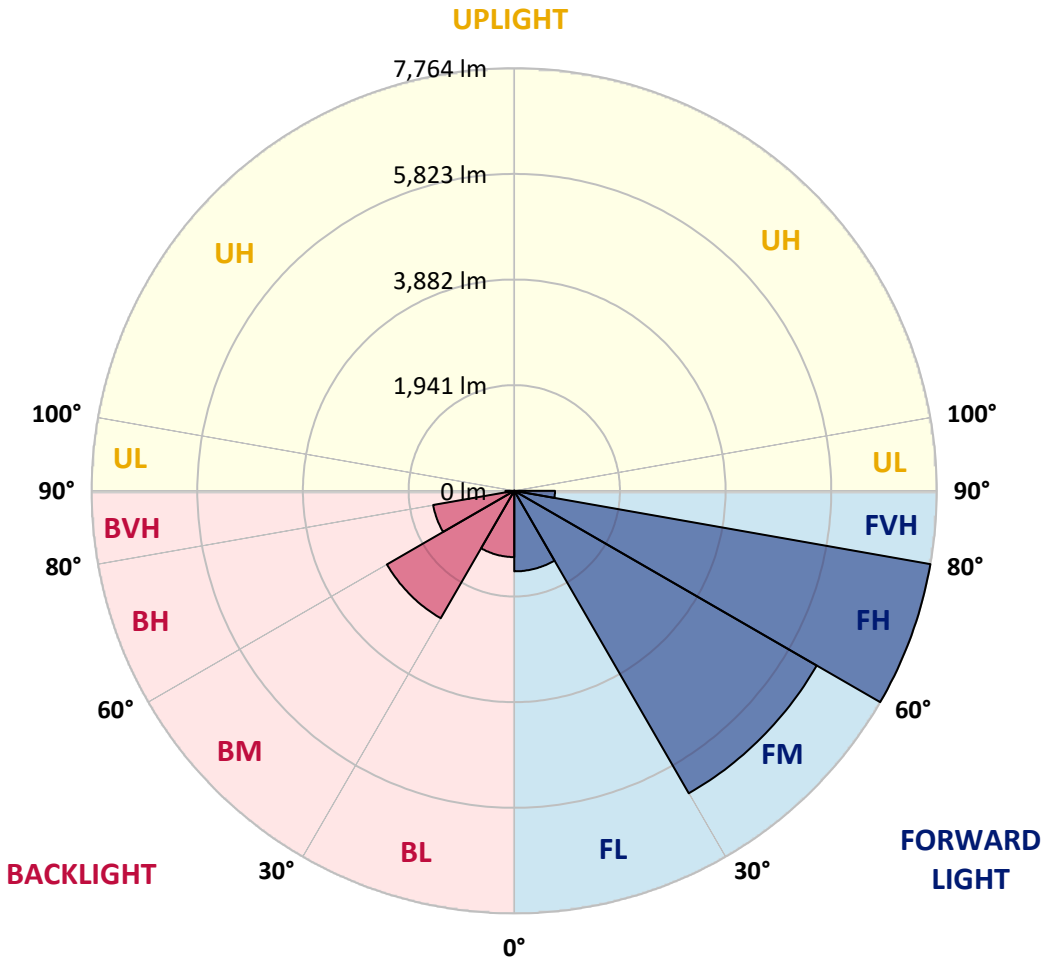
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1479.8	6.7			
FM	(30°-60°)	6416.9	29.2			
FH	(60°-80°)	7763.9	35.3			G4/12000
FVH	(80°-90°)	748.1	3.4			G4/750
BL	(0°-30°)	1217.6	5.5	B3/2500		
BM	(30°-60°)	2702.1	12.3	B3/5000		
BH	(60°-80°)	1511.6	6.9	B3/2500		G3/2500
BVH	(80°-90°)	160.0	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2.5°	3253.3	3265.6	3278.0	3295.6	3313.1	3323.5	3334.0	3339.2	3344.4	3342.1
5°	3498.2	3541.3	3584.5	3627.2	3670.0	3693.3	3716.5	3730.5	3744.7	3755.4
7.5°	3744.3	3814.5	3884.5	3947.5	4010.5	4048.5	4086.4	4107.0	4127.4	4137.3
10°	3933.0	4015.9	4098.7	4172.7	4246.6	4291.5	4336.0	4356.0	4375.8	4383.4
12.5°	4048.5	4138.3	4228.1	4294.9	4361.6	4394.1	4426.6	4437.5	4448.4	4449.6
15°	4118.7	4196.3	4273.7	4315.6	4357.6	4358.8	4359.9	4348.3	4336.7	4323.0
17.5°	4158.2	4210.5	4262.9	4263.7	4264.4	4217.4	4170.4	4127.3	4084.1	4053.7
20°	4201.7	4219.9	4238.3	4183.1	4128.0	4024.2	3920.4	3844.9	3769.3	3722.9
22.5°	4252.2	4228.3	4204.4	4090.2	3975.9	3823.3	3670.6	3576.1	3481.6	3430.3
25°	4317.2	4241.8	4166.3	3992.9	3819.4	3634.1	3448.7	3349.3	3250.2	3201.6
27.5°	4405.4	4270.6	4135.5	3905.8	3676.2	3470.7	3265.3	3167.5	3069.9	3024.0
30°	4524.4	4323.3	4122.2	3839.4	3556.6	3342.6	3128.5	3037.8	2947.2	2904.5
32.5°	4664.9	4389.4	4114.1	3794.1	3474.2	3273.0	3071.9	3000.7	2929.4	2898.7
35°	4835.5	4498.4	4161.4	3828.0	3494.8	3355.0	3215.3	3198.7	3182.1	3179.6
37.5°	5122.9	4726.3	4329.8	4026.8	3723.8	3714.7	3705.7	3781.6	3857.5	3897.0
40°	5557.0	5125.8	4694.5	4469.2	4243.9	4402.9	4561.9	4746.5	4931.1	5023.0
42.5°	6132.8	5704.9	5277.0	5147.2	5017.4	5364.3	5711.2	6046.9	6382.6	6579.7
45°	6843.8	6459.5	6075.0	6017.8	5960.4	6516.1	7071.9	7623.6	8175.3	8510.2
47.5°	7733.0	7359.1	6985.1	6973.5	6961.9	7763.6	8565.0	9372.6	10180.1	10654.3
50°	8898.5	8436.6	7974.8	7976.8	7978.8	9012.0	10045.1	11111.1	12177.1	12821.6
52.5°	10236.4	9677.1	9117.9	9061.4	9004.8	10238.9	11473.0	12791.9	14110.8	14883.3
55°	11660.8	11108.2	10555.7	10335.2	10114.8	11488.3	12861.7	14434.1	16006.5	16925.3
57.5°	12956.3	12655.4	12354.4	11912.2	11470.2	12857.1	14243.9	16024.9	17805.8	18945.2
60°	13739.3	14206.7	14674.1	14125.1	13576.0	14888.4	16200.9	18107.7	20014.5	21246.0
62.5°	13341.7	14618.8	15895.8	15834.0	15772.0	16974.3	18176.7	19990.9	21804.9	22943.1
65°	12545.9	13744.5	14943.1	15180.3	15417.3	16945.2	18473.3	20232.4	21991.5	22960.6
67.5°	11479.7	12619.7	13759.6	13870.8	13981.9	15573.9	17165.8	18932.5	20699.2	21458.4
70°	10198.7	11438.6	12678.6	12728.3	12778.1	14201.8	15625.3	17145.7	18666.0	19087.9
72.5°	8672.2	10095.0	11518.0	11553.8	11589.4	12703.2	13817.1	14955.8	16094.3	16137.1
75°	6741.1	8213.7	9686.4	9818.6	9950.9	10817.4	11684.0	12485.6	13287.2	13072.4
77.5°	4816.4	6191.1	7565.9	7755.1	7944.3	8603.1	9261.9	9830.4	10398.9	10029.8
80°	3152.3	4308.9	5465.3	5700.5	5935.7	6433.2	6930.5	7229.1	7527.6	6933.8
82.5°	1832.4	2623.1	3413.8	3676.5	3939.4	4281.8	4624.3	4748.8	4873.3	4406.6
85°	806.2	1225.9	1645.5	1869.0	2092.4	2373.8	2655.1	2725.8	2796.5	2422.7
87.5°	249.6	390.6	531.7	656.3	781.0	921.7	1062.4	1068.5	1074.4	902.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
3344.4	2.5°	3339.2	3334.0	3323.5	3313.1	3295.6	3278.0	3265.6	3253.3	3228.3	3203.4
3744.7	5°	3730.5	3716.5	3693.3	3670.0	3627.2	3584.5	3541.3	3498.2	3443.1	3388.0
4127.4	7.5°	4107.0	4086.4	4048.5	4010.5	3947.5	3884.5	3814.5	3744.3	3653.3	3562.4
4375.8	10°	4356.0	4336.0	4291.5	4246.6	4172.7	4098.7	4015.9	3933.0	3817.9	3702.9
4448.4	12.5°	4437.5	4426.6	4394.1	4361.6	4294.9	4228.1	4138.3	4048.5	3922.1	3795.8
4336.7	15°	4348.3	4359.9	4358.8	4357.6	4315.6	4273.7	4196.3	4118.7	3987.0	3855.2
4084.1	17.5°	4127.3	4170.4	4217.4	4264.4	4263.7	4262.9	4210.5	4158.2	4024.6	3891.0
3769.3	20°	3844.9	3920.4	4024.2	4128.0	4183.1	4238.3	4219.9	4201.7	4062.9	3923.9
3481.6	22.5°	3576.1	3670.6	3823.3	3975.9	4090.2	4204.4	4228.3	4252.2	4110.4	3968.4
3250.2	25°	3349.3	3448.7	3634.1	3819.4	3992.9	4166.3	4241.8	4317.2	4178.2	4039.2
3069.9	27.5°	3167.5	3265.3	3470.7	3676.2	3905.8	4135.5	4270.6	4405.4	4272.9	4140.2
2947.2	30°	3037.8	3128.5	3342.6	3556.6	3839.4	4122.2	4323.3	4524.4	4396.3	4268.2
2929.4	32.5°	3000.7	3071.9	3273.0	3474.2	3794.1	4114.1	4389.4	4664.9	4538.0	4411.3
3182.1	35°	3198.7	3215.3	3355.0	3494.8	3828.0	4161.4	4498.4	4835.5	4714.1	4592.6
3857.5	37.5°	3781.6	3705.7	3714.7	3723.8	4026.8	4329.8	4726.3	5122.9	4968.0	4813.1
4931.1	40°	4746.5	4561.9	4402.9	4243.9	4469.2	4694.5	5125.8	5557.0	5331.3	5105.7
6382.6	42.5°	6046.9	5711.2	5364.3	5017.4	5147.2	5277.0	5704.9	6132.8	5807.1	5481.3
8175.3	45°	7623.6	7071.9	6516.1	5960.4	6017.8	6075.0	6459.5	6843.8	6404.4	5965.1
10180.1	47.5°	9372.6	8565.0	7763.6	6961.9	6973.5	6985.1	7359.1	7733.0	7114.7	6496.1
12177.1	50°	11111.1	10045.1	9012.0	7978.8	7976.8	7974.8	8436.6	8898.5	7966.3	7033.9
14110.8	52.5°	12791.9	11473.0	10238.9	9004.8	9061.4	9117.9	9677.1	10236.4	8860.8	7485.2
16006.5	55°	14434.1	12861.7	11488.3	10114.8	10335.2	10555.7	11108.2	11660.8	9653.9	7647.1
17805.8	57.5°	16024.9	14243.9	12857.1	11470.2	11912.2	12354.4	12655.4	12956.3	10216.0	7475.7
20014.5	60°	18107.7	16200.9	14888.4	13576.0	14125.1	14674.1	14206.7	13739.3	10356.5	6973.5
21804.9	62.5°	19990.9	18176.7	16974.3	15772.0	15834.0	15895.8	14618.8	13341.7	9765.0	6188.3
21991.5	65°	*20232.4*	*18473.3*	*16945.2*	*15417.3*	*15180.3*	*14943.1*	*13744.5*	*12545.9*	*8928.1*	*5310.3*
20699.2	67.5°	18932.5	17165.8	15573.9	13981.9	13870.8	13759.6	12619.7	11479.7	7932.2	4384.8
18666.0	70°	17145.7	15625.3	14201.8	12778.1	12728.3	12678.6	11438.6	10198.7	6845.6	3492.4
16094.3	72.5°	14955.8	13817.1	12703.2	11589.4	11553.8	11518.0	10095.0	8672.2	5667.5	2663.0
13287.2	75°	12485.6	11684.0	10817.4	9950.9	9818.6	9686.4	8213.7	6741.1	4317.1	1893.1
10398.9	77.5°	9830.4	9261.9	8603.1	7944.3	7755.1	7565.9	6191.1	4816.4	3021.6	1226.8
7527.6	80°	7229.1	6930.5	6433.2	5935.7	5700.5	5465.3	4308.9	3152.3	1946.8	741.2
4873.3	82.5°	4748.8	4624.3	4281.8	3939.4	3676.5	3413.8	2623.1	1832.4	1126.7	421.2
2796.5	85°	2725.8	2655.1	2373.8	2092.4	1869.0	1645.5	1225.9	806.2	506.8	207.6
1074.4	87.5°	1068.5	1062.4	921.7	781.0	656.3	531.7	390.6	249.6	166.0	82.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
3176.8	2.5°	3150.3	3123.6	3096.9	3071.4	3045.9	3021.1	2993.6	2971.3	2949.2	2929.1
3332.9	5°	3278.0	3222.7	3167.4	3115.7	3064.1	3015.3	2967.1	2925.1	2883.0	2847.7
3478.4	7.5°	3394.3	3312.5	3230.7	3158.6	3086.5	3020.0	2957.6	2901.7	2845.8	2799.4
3591.8	10°	3480.8	3381.5	3282.0	3196.8	3111.3	3029.3	2962.3	2903.3	2844.3	2797.9
3669.9	12.5°	3544.1	3426.8	3309.6	3213.1	3116.7	3030.4	2968.1	2919.8	2871.7	2840.8
3718.7	15°	3582.2	3447.2	3312.2	3200.5	3088.8	2993.3	2943.3	2920.2	2897.3	2901.4
3742.0	17.5°	3593.1	3436.4	3279.6	3145.3	3011.0	2898.7	2867.9	2876.4	2884.7	2935.3
3760.2	20°	3596.6	3406.6	3216.7	3050.3	2883.8	2753.0	2744.8	2784.3	2823.8	2911.7
3784.9	22.5°	3601.2	3370.2	3139.2	2938.7	2738.2	2589.3	2605.2	2663.6	2722.0	2822.3
3829.4	25°	3619.5	3334.2	3049.0	2814.1	2579.4	2426.8	2469.7	2537.0	2604.4	2694.6
3899.1	27.5°	3657.9	3310.2	2962.5	2700.3	2438.0	2299.1	2351.3	2416.3	2481.3	2555.5
3989.3	30°	3710.3	3298.9	2887.3	2605.1	2322.9	2206.2	2247.2	2298.7	2350.5	2412.0
4083.4	32.5°	3755.6	3285.0	2814.1	2523.0	2231.7	2137.7	2155.9	2186.5	2217.0	2266.1
4190.7	35°	3788.8	3258.8	2728.9	2442.3	2155.7	2077.4	2069.8	2078.2	2086.6	2124.1
4310.8	37.5°	3808.5	3213.8	2619.1	2347.4	2075.6	2007.1	1979.5	1970.2	1960.9	1987.8
4463.4	40°	3821.0	3152.0	2483.1	2234.1	1985.1	1923.0	1880.6	1859.6	1838.6	1857.9
4662.9	42.5°	3844.5	3088.1	2331.9	2109.0	1886.2	1828.9	1775.5	1747.7	1719.8	1735.6
4925.5	45°	3886.0	3028.8	2171.7	1976.2	1780.8	1722.7	1671.1	1643.9	1616.8	1630.1
5205.3	47.5°	3914.4	2979.8	2045.2	1871.2	1697.2	1622.3	1577.8	1555.1	1532.3	1544.9
5464.8	50°	3895.8	2926.4	1957.0	1801.4	1645.9	1547.4	1495.8	1475.6	1455.5	1475.0
5633.4	52.5°	3781.5	2836.2	1891.0	1755.4	1620.0	1506.8	1434.6	1414.6	1394.8	1424.1
5596.3	55°	3545.3	2686.7	1828.1	1722.1	1616.1	1510.9	1402.1	1370.5	1339.0	1380.7
5334.8	57.5°	3194.1	2475.9	1757.5	1682.7	1607.8	1514.9	1382.6	1336.6	1290.6	1335.4
4848.3	60°	2723.1	2202.1	1681.2	1622.3	1563.4	1502.1	1364.2	1304.7	1245.0	1284.4
4190.5	62.5°	2192.6	1874.5	1556.5	1517.4	1478.3	1470.8	1342.9	1268.4	1193.9	1218.9
3519.2	65°	*1728.3*	*1579.8*	*1431.3*	*1412.9*	*1394.4*	*1395.3*	*1297.8*	*1218.7*	*1139.4*	*1149.0*
2861.7	67.5°	1338.7	1296.6	1254.3	1264.6	1274.9	1272.3	1217.5	1151.6	1085.6	1082.6
2253.2	70°	1014.0	1026.1	1038.0	1085.9	1133.6	1133.6	1115.6	1068.7	1021.8	1011.3
1722.6	72.5°	782.2	818.5	855.0	922.8	990.4	1001.8	1002.1	969.9	937.7	922.4
1250.2	75°	607.4	640.3	673.3	749.2	825.1	877.6	873.2	848.5	823.6	809.0
847.2	77.5°	467.6	490.0	512.5	586.2	659.9	746.4	744.1	724.3	704.4	689.5
545.8	80°	350.6	359.9	369.2	431.6	493.9	597.3	596.9	580.3	563.6	551.2
335.7	82.5°	250.5	252.1	254.0	300.0	345.9	434.2	439.0	430.9	422.8	414.0
179.5	85°	151.5	150.7	149.8	183.4	217.1	282.7	289.1	280.3	271.6	261.8
74.4	87.5°	66.4	65.6	64.8	78.5	92.3	119.6	127.7	124.2	120.7	118.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2909.1	2.5°	2891.6	2874.0	2856.4	2838.9	2825.3	2811.6	2800.6	2789.5	2780.9	2772.4
2812.5	5°	2781.4	2750.3	2722.1	2693.8	2672.1	2650.2	2635.0	2619.8	2609.0	2598.2
2753.0	7.5°	2713.8	2674.6	2640.0	2605.5	2579.7	2553.9	2535.8	2517.7	2505.2	2492.9
2751.5	10°	2709.3	2667.1	2628.2	2589.3	2558.4	2527.4	2507.2	2486.8	2475.1	2463.3
2810.2	12.5°	2777.0	2744.0	2703.7	2663.6	2624.1	2584.6	2558.5	2532.4	2519.3	2506.3
2905.6	15°	2897.0	2888.4	2853.5	2818.6	2762.4	2706.2	2666.5	2626.8	2608.6	2590.4
2986.0	17.5°	3012.9	3039.7	3011.5	2983.4	2909.0	2834.6	2776.1	2717.6	2690.6	2663.6
2999.7	20°	3056.0	3112.3	3099.3	3086.1	3001.0	2916.1	2844.3	2772.7	2738.2	2703.6
2922.8	22.5°	2996.1	3069.3	3077.2	3085.0	3003.7	2922.5	2848.6	2774.7	2738.3	2701.9
2784.9	25°	2857.0	2929.1	2956.0	2982.8	2916.2	2849.7	2784.0	2718.5	2686.9	2655.5
2629.6	27.5°	2687.4	2745.2	2775.1	2805.2	2757.7	2710.4	2659.4	2608.4	2587.3	2566.1
2473.6	30°	2521.5	2569.6	2593.9	2618.3	2582.2	2546.0	2509.5	2472.9	2462.1	2451.1
2315.3	32.5°	2361.3	2407.4	2434.4	2461.6	2428.4	2395.1	2365.9	2336.8	2329.7	2322.6
2161.5	35°	2207.0	2252.6	2285.1	2317.6	2294.0	2270.4	2243.5	2216.7	2205.9	2195.2
2014.7	37.5°	2060.1	2105.6	2145.7	2185.9	2175.0	2164.1	2139.3	2114.5	2094.9	2075.4
1877.3	40°	1921.2	1965.1	2011.3	2057.6	2060.3	2062.8	2041.8	2020.8	1992.3	1963.9
1751.5	42.5°	1793.1	1834.7	1884.6	1934.6	1947.9	1961.3	1943.5	1925.9	1890.5	1855.0
1643.5	45°	1683.0	1722.5	1774.3	1826.0	1845.2	1864.3	1848.3	1832.4	1791.9	1751.5
1557.3	47.5°	1595.9	1634.5	1685.6	1736.6	1758.7	1780.8	1769.6	1758.5	1722.5	1686.5
1494.6	50°	1531.1	1567.4	1613.1	1658.9	1687.2	1715.5	1714.8	1714.4	1685.6	1656.8
1453.4	52.5°	1486.8	1520.1	1562.7	1605.5	1639.0	1672.6	1678.6	1684.6	1661.2	1637.7
1422.3	55°	1458.3	1494.3	1531.6	1568.9	1604.4	1640.1	1648.4	1656.8	1636.3	1615.9
1380.3	57.5°	1422.5	1464.8	1501.7	1538.7	1574.6	1610.3	1618.8	1627.3	1606.6	1586.0
1323.6	60°	1372.1	1420.7	1458.2	1495.8	1531.7	1567.7	1577.0	1586.3	1566.1	1546.0
1243.9	62.5°	1300.4	1357.0	1397.1	1437.1	1470.1	1503.1	1512.0	1521.0	1502.7	1484.5
1158.5	65°	*1219.1*	*1279.8*	*1318.2*	*1356.5*	*1385.5*	*1414.5*	*1423.7*	*1432.7*	*1415.2*	*1397.7*
1079.6	67.5°	1135.5	1191.6	1228.0	1264.2	1289.2	1314.3	1323.3	1332.1	1315.9	1299.9
1000.9	70°	1050.1	1099.3	1130.7	1162.0	1184.7	1207.3	1215.9	1224.5	1211.4	1198.2
907.2	72.5°	946.0	984.6	1013.0	1041.3	1063.5	1085.6	1095.8	1106.1	1095.2	1084.2
794.3	75°	823.0	851.8	877.5	903.1	923.3	943.5	954.2	964.9	959.6	954.2
674.7	77.5°	698.1	721.5	743.5	765.6	786.8	808.0	817.9	827.9	820.5	812.8
538.6	80°	558.1	577.5	596.1	614.7	630.8	646.8	660.1	673.3	670.0	666.9
405.1	82.5°	403.5	401.9	395.4	388.9	423.2	457.6	480.1	502.7	501.3	499.7
251.9	85°	243.5	235.1	217.1	199.1	231.2	263.5	291.4	319.2	316.9	314.6
117.0	87.5°	116.7	116.3	102.6	88.8	102.3	115.9	127.1	138.4	135.6	132.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2764.5	2.5°	2756.5	2746.6	2756.5	2764.5	2772.4	2780.9	2789.5	2800.6	2811.6	2825.3
2590.0	5°	2581.7	2573.6	2581.7	2590.0	2598.2	2609.0	2619.8	2635.0	2650.2	2672.1
2485.5	7.5°	2478.2	2472.6	2478.2	2485.5	2492.9	2505.2	2517.7	2535.8	2553.9	2579.7
2457.1	10°	2450.8	2448.2	2450.8	2457.1	2463.3	2475.1	2486.8	2507.2	2527.4	2558.4
2500.9	12.5°	2495.6	2494.7	2495.6	2500.9	2506.3	2519.3	2532.4	2558.5	2584.6	2624.1
2583.5	15°	2576.5	2575.9	2576.5	2583.5	2590.4	2608.6	2626.8	2666.5	2706.2	2762.4
2654.8	17.5°	2645.8	2644.4	2645.8	2654.8	2663.6	2690.6	2717.6	2776.1	2834.6	2909.0
2692.6	20°	2681.6	2678.1	2681.6	2692.6	2703.6	2738.2	2772.7	2844.3	2916.1	3001.0
2689.7	22.5°	2677.5	2672.3	2677.5	2689.7	2701.9	2738.3	2774.7	2848.6	2922.5	3003.7
2644.0	25°	2632.6	2625.9	2632.6	2644.0	2655.5	2686.9	2718.5	2784.0	2849.7	2916.2
2560.8	27.5°	2555.6	2553.9	2555.6	2560.8	2566.1	2587.3	2608.4	2659.4	2710.4	2757.7
2451.1	30°	2451.1	2452.9	2451.1	2451.1	2451.1	2462.1	2472.9	2509.5	2546.0	2582.2
2323.6	32.5°	2324.6	2326.4	2324.6	2323.6	2322.6	2329.7	2336.8	2365.9	2395.1	2428.4
2192.9	35°	2190.5	2189.4	2190.5	2192.9	2195.2	2205.9	2216.7	2243.5	2270.4	2294.0
2065.0	37.5°	2054.7	2048.9	2054.7	2065.0	2075.4	2094.9	2114.5	2139.3	2164.1	2175.0
1944.7	40°	1925.6	1914.3	1925.6	1944.7	1963.9	1992.3	2020.8	2041.8	2062.8	2060.3
1827.1	42.5°	1799.1	1780.8	1799.1	1827.1	1855.0	1890.5	1925.9	1943.5	1961.3	1947.9
1718.6	45°	1685.8	1664.7	1685.8	1718.6	1751.5	1791.9	1832.4	1848.3	1864.3	1845.2
1656.1	47.5°	1625.8	1605.5	1625.8	1656.1	1686.5	1722.5	1758.5	1769.6	1780.8	1758.7
1628.7	50°	1600.6	1581.1	1600.6	1628.7	1656.8	1685.6	1714.4	1714.8	1715.5	1687.2
1612.5	52.5°	1587.5	1569.5	1587.5	1612.5	1637.7	1661.2	1684.6	1678.6	1672.6	1639.0
1593.9	55°	1571.8	1555.5	1571.8	1593.9	1615.9	1636.3	1656.8	1648.4	1640.1	1604.4
1564.1	57.5°	1542.2	1525.4	1542.2	1564.1	1586.0	1606.6	1627.3	1618.8	1610.3	1574.6
1523.5	60°	1501.0	1483.6	1501.0	1523.5	1546.0	1566.1	1586.3	1577.0	1567.7	1531.7
1460.8	62.5°	1437.1	1416.2	1437.1	1460.8	1484.5	1502.7	1521.0	1512.0	1503.1	1470.1
1374.7	65°	*1351.8*	*1333.8*	*1351.8*	*1374.7*	*1397.7*	*1415.2*	*1432.7*	*1423.7*	*1414.5*	*1385.5*
1278.6	67.5°	1257.2	1241.0	1257.2	1278.6	1299.9	1315.9	1332.1	1323.3	1314.3	1289.2
1177.8	70°	1157.4	1138.8	1157.4	1177.8	1198.2	1211.4	1224.5	1215.9	1207.3	1184.7
1064.7	72.5°	1045.4	1027.4	1045.4	1064.7	1084.2	1095.2	1106.1	1095.8	1085.6	1063.5
937.9	75°	921.5	904.3	921.5	937.9	954.2	959.6	964.9	954.2	943.5	923.3
796.3	77.5°	779.9	766.2	779.9	796.3	812.8	820.5	827.9	817.9	808.0	786.8
644.7	80°	622.5	596.7	622.5	644.7	666.9	670.0	673.3	660.1	646.8	630.8
481.1	82.5°	462.3	445.8	462.3	481.1	499.7	501.3	502.7	480.1	457.6	423.2
300.0	85°	285.3	270.5	285.3	300.0	314.6	316.9	319.2	291.4	263.5	231.2
125.1	87.5°	117.5	110.3	117.5	125.1	132.6	135.6	138.4	127.1	115.9	102.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2838.9	2.5°	2856.4	2874.0	2891.6	2909.1	2929.1	2949.2	2971.3	2993.6	3021.1	3045.9
2693.8	5°	2722.1	2750.3	2781.4	2812.5	2847.7	2883.0	2925.1	2967.1	3015.3	3064.1
2605.5	7.5°	2640.0	2674.6	2713.8	2753.0	2799.4	2845.8	2901.7	2957.6	3020.0	3086.5
2589.3	10°	2628.2	2667.1	2709.3	2751.5	2797.9	2844.3	2903.3	2962.3	3029.3	3111.3
2663.6	12.5°	2703.7	2744.0	2777.0	2810.2	2840.8	2871.7	2919.8	2968.1	3030.4	3116.7
2818.6	15°	2853.5	2888.4	2897.0	2905.6	2901.4	2897.3	2920.2	2943.3	2993.3	3088.8
2983.4	17.5°	3011.5	3039.7	3012.9	2986.0	2935.3	2884.7	2876.4	2867.9	2898.7	3011.0
3086.1	20°	3099.3	3112.3	3056.0	2999.7	2911.7	2823.8	2784.3	2744.8	2753.0	2883.8
3085.0	22.5°	3077.2	3069.3	2996.1	2922.8	2822.3	2722.0	2663.6	2605.2	2589.3	2738.2
2982.8	25°	2956.0	2929.1	2857.0	2784.9	2694.6	2604.4	2537.0	2469.7	2426.8	2579.4
2805.2	27.5°	2775.1	2745.2	2687.4	2629.6	2555.5	2481.3	2416.3	2351.3	2299.1	2438.0
2618.3	30°	2593.9	2569.6	2521.5	2473.6	2412.0	2350.5	2298.7	2247.2	2206.2	2322.9
2461.6	32.5°	2434.4	2407.4	2361.3	2315.3	2266.1	2217.0	2186.5	2155.9	2137.7	2231.7
2317.6	35°	2285.1	2252.6	2207.0	2161.5	2124.1	2086.6	2078.2	2069.8	2077.4	2155.7
2185.9	37.5°	2145.7	2105.6	2060.1	2014.7	1987.8	1960.9	1970.2	1979.5	2007.1	2075.6
2057.6	40°	2011.3	1965.1	1921.2	1877.3	1857.9	1838.6	1859.6	1880.6	1923.0	1985.1
1934.6	42.5°	1884.6	1834.7	1793.1	1751.5	1735.6	1719.8	1747.7	1775.5	1828.9	1886.2
1826.0	45°	1774.3	1722.5	1683.0	1643.5	1630.1	1616.8	1643.9	1671.1	1722.7	1780.8
1736.6	47.5°	1685.6	1634.5	1595.9	1557.3	1544.9	1532.3	1555.1	1577.8	1622.3	1697.2
1658.9	50°	1613.1	1567.4	1531.1	1494.6	1475.0	1455.5	1475.6	1495.8	1547.4	1645.9
1605.5	52.5°	1562.7	1520.1	1486.8	1453.4	1424.1	1394.8	1414.6	1434.6	1506.8	1620.0
1568.9	55°	1531.6	1494.3	1458.3	1422.3	1380.7	1339.0	1370.5	1402.1	1510.9	1616.1
1538.7	57.5°	1501.7	1464.8	1422.5	1380.3	1335.4	1290.6	1336.6	1382.6	1514.9	1607.8
1495.8	60°	1458.2	1420.7	1372.1	1323.6	1284.4	1245.0	1304.7	1364.2	1502.1	1563.4
1437.1	62.5°	1397.1	1357.0	1300.4	1243.9	1218.9	1193.9	1268.4	1342.9	1470.8	1478.3
1356.5	65°	*1318.2*	*1279.8*	*1219.1*	*1158.5*	*1149.0*	*1139.4*	*1218.7*	*1297.8*	*1395.3*	*1394.4*
1264.2	67.5°	1228.0	1191.6	1135.5	1079.6	1082.6	1085.6	1151.6	1217.5	1272.3	1274.9
1162.0	70°	1130.7	1099.3	1050.1	1000.9	1011.3	1021.8	1068.7	1115.6	1133.6	1133.6
1041.3	72.5°	1013.0	984.6	946.0	907.2	922.4	937.7	969.9	1002.1	1001.8	990.4
903.1	75°	877.5	851.8	823.0	794.3	809.0	823.6	848.5	873.2	877.6	825.1
765.6	77.5°	743.5	721.5	698.1	674.7	689.5	704.4	724.3	744.1	746.4	659.9
614.7	80°	596.1	577.5	558.1	538.6	551.2	563.6	580.3	596.9	597.3	493.9
388.9	82.5°	395.4	401.9	403.5	405.1	414.0	422.8	430.9	439.0	434.2	345.9
199.1	85°	217.1	235.1	243.5	251.9	261.8	271.6	280.3	289.1	282.7	217.1
88.8	87.5°	102.6	116.3	116.7	117.0	118.9	120.7	124.2	127.7	119.6	92.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
3071.4	2.5°	3096.9	3123.6	3150.3	3176.8	3203.4	3228.3	3253.3
3115.7	5°	3167.4	3222.7	3278.0	3332.9	3388.0	3443.1	3498.2
3158.6	7.5°	3230.7	3312.5	3394.3	3478.4	3562.4	3653.3	3744.3
3196.8	10°	3282.0	3381.5	3480.8	3591.8	3702.9	3817.9	3933.0
3213.1	12.5°	3309.6	3426.8	3544.1	3669.9	3795.8	3922.1	4048.5
3200.5	15°	3312.2	3447.2	3582.2	3718.7	3855.2	3987.0	4118.7
3145.3	17.5°	3279.6	3436.4	3593.1	3742.0	3891.0	4024.6	4158.2
3050.3	20°	3216.7	3406.6	3596.6	3760.2	3923.9	4062.9	4201.7
2938.7	22.5°	3139.2	3370.2	3601.2	3784.9	3968.4	4110.4	4252.2
2814.1	25°	3049.0	3334.2	3619.5	3829.4	4039.2	4178.2	4317.2
2700.3	27.5°	2962.5	3310.2	3657.9	3899.1	4140.2	4272.9	4405.4
2605.1	30°	2887.3	3298.9	3710.3	3989.3	4268.2	4396.3	4524.4
2523.0	32.5°	2814.1	3285.0	3755.6	4083.4	4411.3	4538.0	4664.9
2442.3	35°	2728.9	3258.8	3788.8	4190.7	4592.6	4714.1	4835.5
2347.4	37.5°	2619.1	3213.8	3808.5	4310.8	4813.1	4968.0	5122.9
2234.1	40°	2483.1	3152.0	3821.0	4463.4	5105.7	5331.3	5557.0
2109.0	42.5°	2331.9	3088.1	3844.5	4662.9	5481.3	5807.1	6132.8
1976.2	45°	2171.7	3028.8	3886.0	4925.5	5965.1	6404.4	6843.8
1871.2	47.5°	2045.2	2979.8	3914.4	5205.3	6496.1	7114.7	7733.0
1801.4	50°	1957.0	2926.4	3895.8	5464.8	7033.9	7966.3	8898.5
1755.4	52.5°	1891.0	2836.2	3781.5	5633.4	7485.2	8860.8	10236.4
1722.1	55°	1828.1	2686.7	3545.3	5596.3	7647.1	9653.9	11660.8
1682.7	57.5°	1757.5	2475.9	3194.1	5334.8	7475.7	10216.0	12956.3
1622.3	60°	1681.2	2202.1	2723.1	4848.3	6973.5	10356.5	13739.3
1517.4	62.5°	1556.5	1874.5	2192.6	4190.5	6188.3	9765.0	13341.7
1412.9	65°	*1431.3*	*1579.8*	*1728.3*	*3519.2*	*5310.3*	*8928.1*	*12545.9*
1264.6	67.5°	1254.3	1296.6	1338.7	2861.7	4384.8	7932.2	11479.7
1085.9	70°	1038.0	1026.1	1014.0	2253.2	3492.4	6845.6	10198.7
922.8	72.5°	855.0	818.5	782.2	1722.6	2663.0	5667.5	8672.2
749.2	75°	673.3	640.3	607.4	1250.2	1893.1	4317.1	6741.1
586.2	77.5°	512.5	490.0	467.6	847.2	1226.8	3021.6	4816.4
431.6	80°	369.2	359.9	350.6	545.8	741.2	1946.8	3152.3
300.0	82.5°	254.0	252.1	250.5	335.7	421.2	1126.7	1832.4
183.4	85°	149.8	150.7	151.5	179.5	207.6	506.8	806.2
78.5	87.5°	64.8	65.6	66.4	74.4	82.4	166.0	249.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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