

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: McGRAW-EDISON

Report Number: P200648

Luminaire Tested: **GWC-AF-02-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GWC-AF-02-LED-E1-SLR-8030
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8908 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 113
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



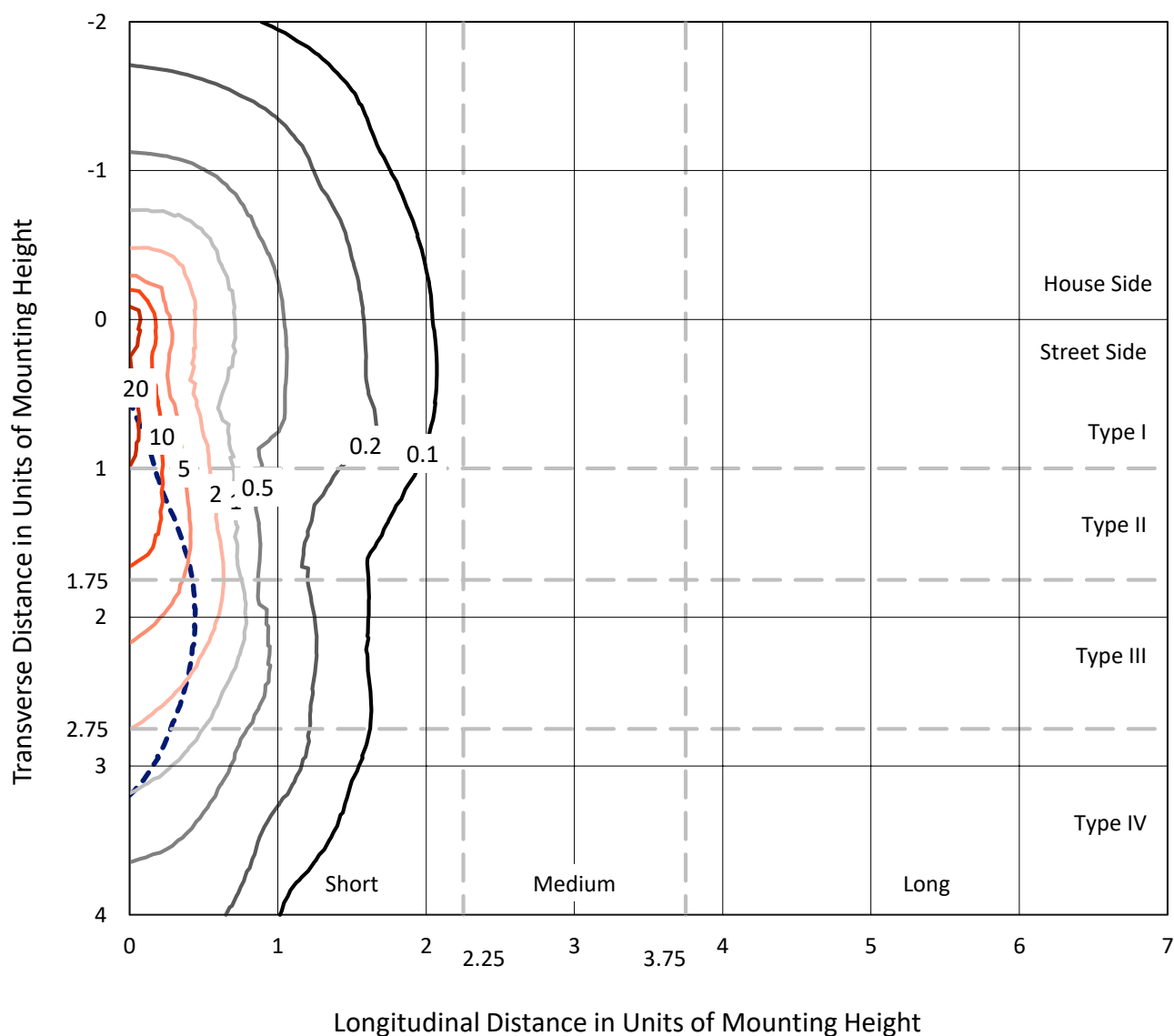
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

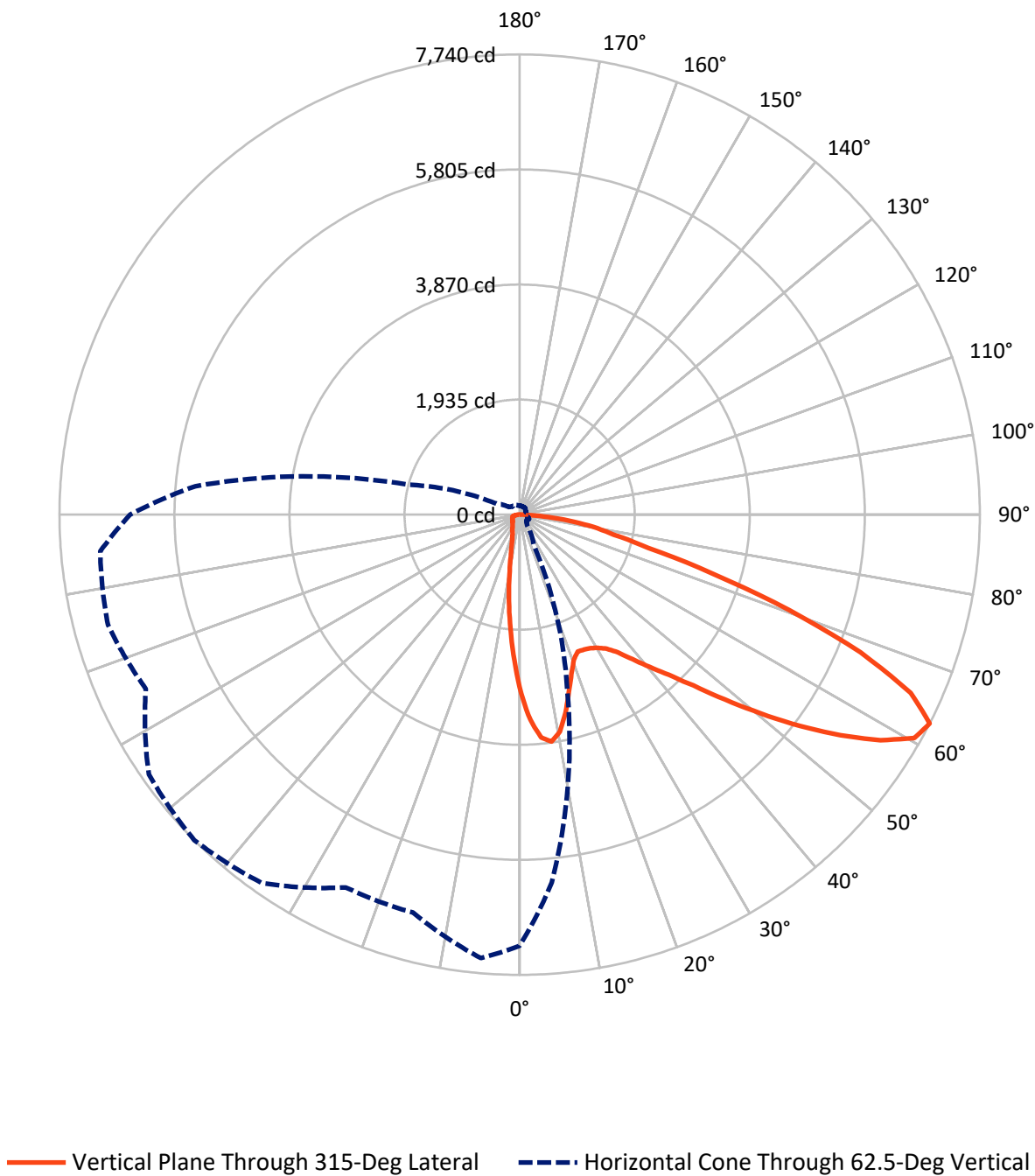


Based on 10 foot mounting height. Maximum calculated value = 30.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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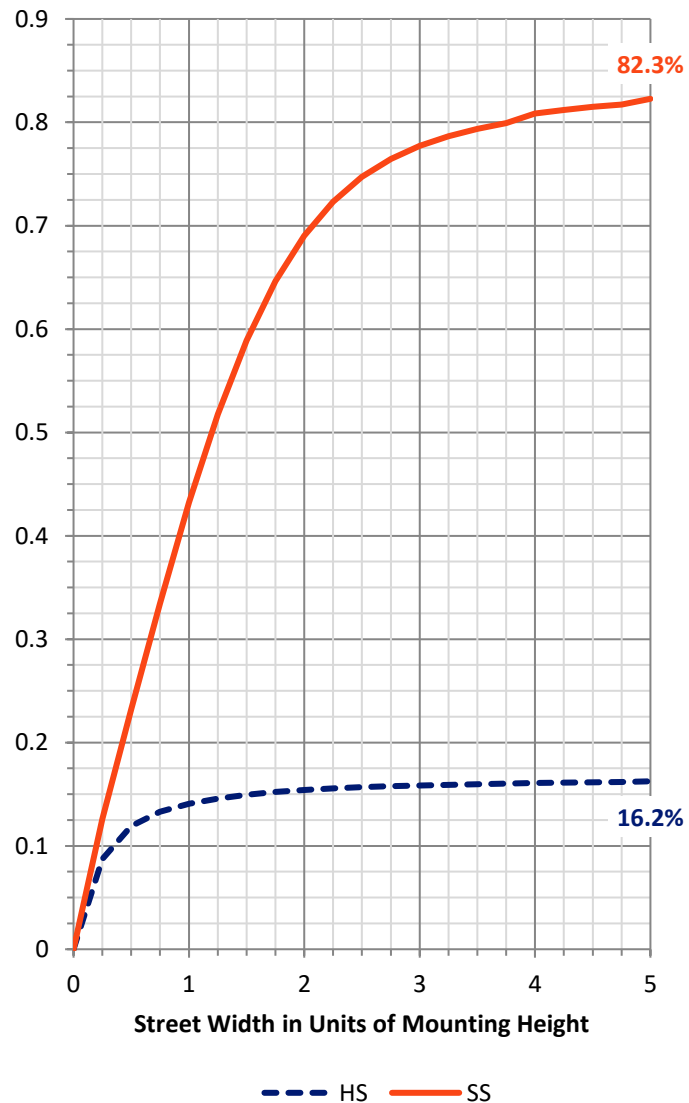
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1474.2	0.0	1474.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7433.8	0.0	7433.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	8908.0	0.0	8908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	2.5
10°-20°	401.7	4.5
20°-30°	585.7	6.6
30°-40°	902.1	10.1
40°-50°	1327.7	14.9
50°-60°	1947.4	21.9
60°-70°	2177.0	24.4
70°-80°	1065.8	12.0
80°-90°	281.4	3.2
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°	8908.0	100.0
0°-180°	8908.0	100.0

Coefficient of Utilization



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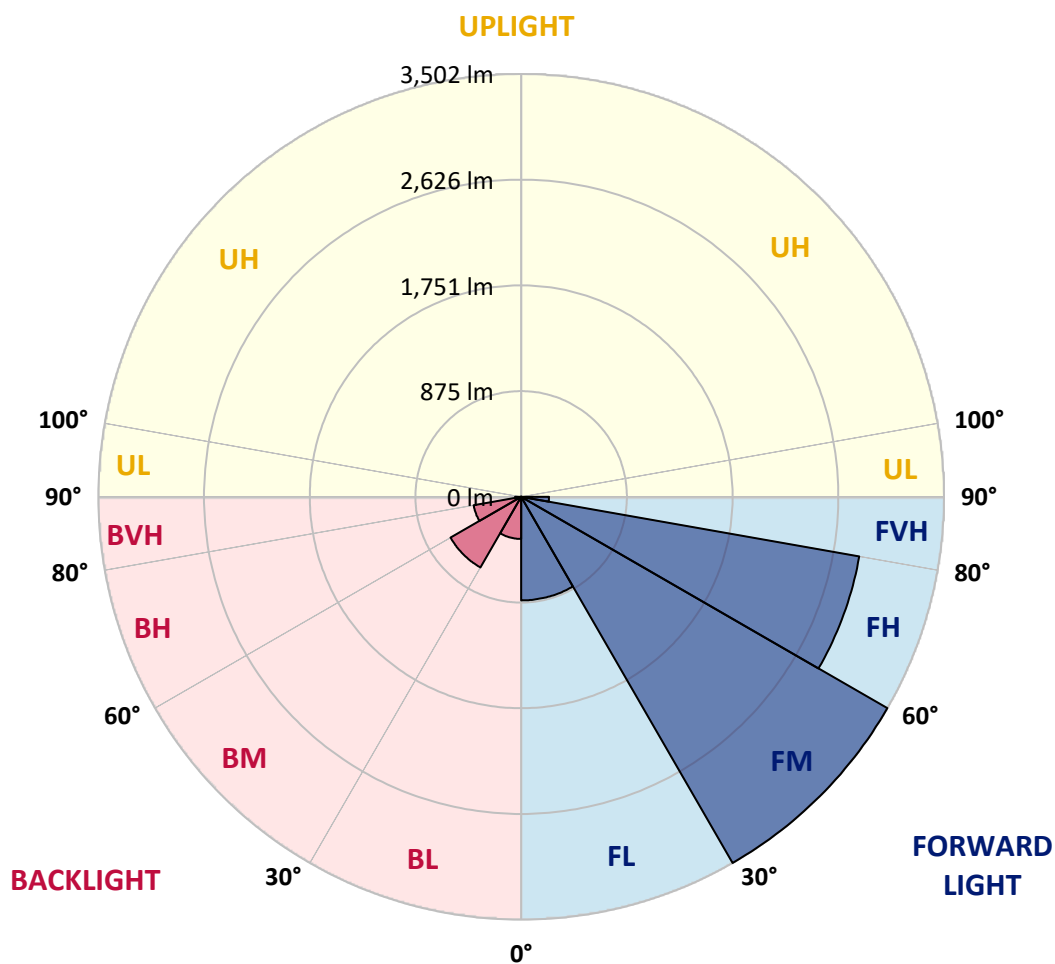
CATALOG NUMBER: GWC-AF-02-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	857.8	9.6			
FM	(30°-60°)	3501.8	39.3			
FH	(60°-80°)	2843.1	31.9			G2/5000
FVH	(80°-90°)	231.1	2.6			G3/500
BL	(0°-30°)	348.8	3.9	B1/500		
BM	(30°-60°)	675.4	7.6	B1/1000		
BH	(60°-80°)	399.6	4.5	B1/500		G1/500
BVH	(80°-90°)	50.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6
2.5°	3127.1	3063.5	2957.7	2847.5	2780.4	2702.1	2640.9	2587.0	2479.3	2458.2	2477.3
5°	2940.6	2812.7	2613.4	2412.7	2279.0	2135.5	2023.9	1934.3	1797.6	1773.6	1802.5
7.5°	2641.4	2488.6	2225.1	1969.0	1780.0	1600.8	1480.3	1384.3	1277.6	1231.6	1234.5
10°	2383.3	2210.9	1899.5	1620.9	1466.1	1345.2	1243.8	1145.4	1037.2	966.1	946.6
12.5°	2238.8	2040.5	1681.6	1432.8	1289.3	1162.0	1052.8	947.5	832.0	759.5	738.9
15°	2213.9	1998.4	1599.8	1312.4	1132.6	971.5	842.7	725.2	606.2	547.5	535.2
17.5°	2322.1	2073.8	1573.4	1205.1	985.2	786.4	628.3	497.0	400.1	370.7	368.2
20°	2529.7	2218.8	1569.9	1104.2	839.8	606.7	437.8	342.3	299.7	291.4	291.9
22.5°	2821.1	2443.5	1612.0	1028.3	706.1	452.5	329.1	286.5	269.8	262.0	262.0
25°	3198.1	2753.0	1709.0	973.0	590.1	361.4	290.4	264.9	249.2	243.9	244.8
27.5°	3563.4	3054.2	1821.6	929.4	514.2	328.1	275.2	252.2	238.5	233.1	235.5
30°	3848.4	3321.5	1915.6	870.2	475.5	318.8	280.6	257.1	237.5	229.2	229.7
32.5°	4084.5	3555.6	1994.5	827.6	441.2	273.2	241.9	231.6	229.2	219.4	214.5
35°	4386.1	3810.7	2047.4	828.5	425.0	243.9	215.5	197.3	184.1	172.9	172.9
37.5°	4739.7	4103.6	2103.7	839.8	419.2	226.7	206.2	188.0	175.8	165.0	163.1
40°	5089.3	4390.5	2155.1	850.6	415.7	216.4	198.8	182.2	170.9	160.1	157.2
42.5°	5386.5	4626.5	2201.1	856.0	404.0	215.5	193.4	178.2	167.5	155.7	152.8
45°	5606.4	4824.4	2250.6	864.3	392.2	219.4	193.4	177.8	164.5	153.3	150.3
47.5°	5802.8	5056.5	2333.3	864.3	378.0	212.0	199.8	178.2	164.0	152.3	149.8
50°	6065.7	5374.8	2490.0	844.2	358.0	204.2	210.6	176.3	159.6	150.3	147.4
52.5°	6428.1	5782.7	2738.8	809.4	327.1	189.0	209.1	175.3	155.2	145.4	142.0
55°	6856.6	6219.5	3010.1	768.8	281.1	178.2	201.8	172.9	150.3	139.6	136.1
57.5°	7191.0	6520.2	3201.1	706.1	240.9	172.4	178.7	170.4	144.5	133.2	130.3
60°	7324.2	6508.4	3253.5	622.4	221.3	167.5	156.2	191.0	139.6	128.3	124.9
62.5°	7252.2	6207.7	3106.6	563.6	216.9	161.1	146.4	176.8	135.6	124.9	120.0
65°	6919.7	5675.0	2717.3	548.0	229.7	154.7	140.0	138.6	130.3	120.0	115.1
67.5°	6195.5	4878.7	2175.7	549.4	245.8	148.4	133.7	126.8	122.9	114.6	110.2
70°	5046.2	3857.2	1621.8	553.3	254.1	141.0	126.8	119.5	115.1	106.8	103.8
72.5°	3710.3	2972.9	1178.2	527.9	255.6	132.7	117.5	111.2	106.8	97.9	95.5
75°	2538.5	2274.1	817.3	437.3	222.8	121.0	107.2	101.4	98.4	87.7	86.2
77.5°	1854.4	1707.0	523.0	324.7	171.9	106.3	94.5	90.1	88.1	76.4	74.4
80°	1488.2	1350.6	327.1	222.3	125.8	89.1	79.3	76.9	74.9	63.2	61.7
82.5°	1032.3	904.4	210.1	144.5	94.5	69.0	62.7	61.7	58.8	48.0	46.5
85°	544.5	491.2	133.2	98.4	68.6	47.5	43.6	43.6	42.1	31.8	30.9
87.5°	69.5	113.1	67.6	51.4	37.7	21.1	21.1	20.6	22.0	18.1	15.7
90°	0.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6
2.5°	2432.3	2455.8	2433.2	2434.7	2459.7	2534.1	2567.9	2595.8	2625.7	2645.3	2654.1
5°	1762.9	1817.7	1836.3	1875.5	1933.3	2028.3	2066.0	2093.4	2111.5	2122.3	2126.7
7.5°	1205.6	1238.9	1276.1	1339.3	1465.1	1521.0	1545.9	1539.6	1519.0	1511.7	1504.3
10°	908.9	895.6	888.8	923.5	1025.4	1081.7	1099.3	1082.2	1070.9	1073.4	1085.6
12.5°	704.2	681.2	653.2	649.3	716.4	766.8	778.1	779.1	799.7	817.8	844.7
15°	513.2	510.7	497.0	488.7	526.9	568.0	572.9	581.7	600.4	613.6	637.1
17.5°	361.9	375.1	385.9	391.3	420.1	449.5	444.1	439.7	436.3	436.3	447.6
20°	291.9	300.7	314.4	330.0	359.4	380.0	366.8	349.1	336.4	332.5	334.0
22.5°	263.0	269.8	277.7	291.4	317.8	332.0	317.8	305.1	292.3	287.9	286.5
25°	248.3	257.1	264.4	274.7	294.3	304.1	290.4	281.1	273.2	267.9	263.9
27.5°	239.9	247.8	249.7	254.6	271.3	280.1	273.2	269.3	264.4	259.5	254.6
30°	231.1	229.7	226.2	226.7	239.9	248.8	248.3	249.2	248.8	247.3	246.3
32.5°	211.1	208.1	205.2	208.1	220.4	228.2	228.7	230.6	230.6	230.2	234.1
35°	175.8	181.2	184.6	193.4	208.1	215.0	212.0	207.1	198.3	192.9	192.4
37.5°	162.6	163.6	169.4	181.7	197.8	204.2	199.8	188.5	182.7	181.7	183.1
40°	156.2	157.2	160.6	171.9	188.0	194.4	190.5	182.2	176.8	176.3	178.7
42.5°	151.8	152.8	154.7	162.6	175.8	183.6	184.1	178.2	171.9	172.4	174.8
45°	149.4	149.8	149.4	153.3	165.5	174.8	178.7	174.8	169.4	170.4	173.3
47.5°	148.9	147.4	145.4	146.4	159.1	168.5	173.3	171.9	169.4	170.4	172.9
50°	146.9	143.5	141.0	140.5	153.3	163.1	167.5	167.5	168.5	170.4	172.9
52.5°	141.0	137.1	137.1	135.6	149.4	158.7	161.6	162.1	163.6	167.0	170.4
55°	133.7	132.2	133.7	131.2	146.4	155.2	156.7	157.7	158.7	161.6	166.5
57.5°	127.3	125.4	128.8	127.8	144.0	151.8	151.8	153.8	153.8	157.7	161.6
60°	123.9	120.0	121.4	122.4	140.5	148.9	147.9	149.8	150.8	154.3	157.2
62.5°	119.5	116.1	116.1	118.5	136.6	144.5	144.0	145.4	149.4	150.3	153.3
65°	114.1	112.6	111.2	114.1	132.7	139.6	140.0	142.0	145.4	146.4	148.9
67.5°	108.7	109.2	106.3	109.2	129.3	134.7	134.7	138.6	140.0	142.0	144.5
70°	102.8	103.3	100.9	104.3	126.8	129.3	128.8	134.2	135.2	136.6	139.1
72.5°	95.5	95.5	94.5	99.4	122.9	123.9	122.9	127.3	127.8	129.3	130.3
75°	87.7	87.7	86.7	93.5	120.5	118.0	115.1	118.5	119.5	120.5	120.5
77.5°	77.4	78.3	78.3	86.7	112.1	115.6	105.8	107.7	109.2	109.7	108.2
80°	64.6	67.1	68.1	78.8	94.0	106.8	94.5	96.0	96.5	96.5	94.5
82.5°	49.5	53.9	56.3	68.1	72.0	89.6	82.3	83.7	82.3	79.3	78.3
85°	34.3	40.2	43.1	51.9	54.4	69.0	68.6	68.6	65.6	61.7	61.2
87.5°	18.6	22.0	24.0	30.9	37.2	46.5	50.4	49.0	46.5	44.1	44.6
90°	0.0	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6
2.5°	2700.1	2766.7	2873.0	2954.3	3036.0	3114.9	3200.1	3265.2	3320.6	3342.1	3407.7
5°	2171.3	2254.5	2354.9	2536.1	2664.4	2805.9	2969.4	3185.9	3269.1	3384.2	3572.7
7.5°	1535.2	1610.6	1772.2	1918.6	2100.3	2300.5	2521.4	2820.1	2929.3	3113.9	3420.9
10°	1146.4	1234.0	1363.8	1487.2	1647.3	1852.0	2105.6	2439.6	2572.3	2772.6	3126.1
12.5°	923.5	1026.9	1164.5	1280.5	1404.4	1548.9	1795.2	2161.5	2339.2	2514.5	2872.0
15°	709.6	817.8	945.6	1093.0	1229.6	1385.3	1643.4	2043.9	2248.6	2431.3	2736.4
17.5°	491.2	583.7	744.8	898.6	1073.4	1272.7	1601.3	2068.9	2313.3	2523.8	2759.9
20°	348.2	401.1	533.3	711.5	929.4	1179.7	1593.4	2200.2	2518.0	2758.4	2910.7
22.5°	292.8	312.4	389.3	552.9	804.6	1110.1	1620.9	2384.3	2794.1	3101.2	3151.1
25°	266.9	278.6	318.8	433.9	693.4	1059.7	1713.4	2658.5	3135.9	3444.0	3435.1
27.5°	252.7	264.9	291.4	366.3	609.7	1028.3	1806.0	2983.6	3526.7	3816.1	3706.4
30°	248.3	264.9	292.8	345.2	549.9	978.9	1881.9	3269.1	3827.4	4067.3	3829.8
32.5°	244.8	247.3	260.0	297.7	493.1	921.1	1933.3	3525.2	4121.7	4306.3	4007.6
35°	197.8	210.1	230.6	266.9	459.8	886.3	1933.3	3746.1	4411.6	4547.7	4177.0
37.5°	190.5	201.3	219.4	250.2	441.2	869.2	1894.6	3959.1	4707.8	4821.4	4316.6
40°	186.6	195.4	212.5	237.5	433.4	849.6	1838.3	4147.1	4997.2	5095.7	4446.8
42.5°	183.6	191.5	207.6	229.7	423.1	828.1	1792.7	4298.0	5248.4	5329.7	4571.2
45°	182.2	190.5	208.1	233.6	402.5	799.7	1777.6	4461.0	5455.1	5525.1	4705.9
47.5°	182.2	192.0	210.6	241.9	378.0	770.3	1825.1	4676.0	5650.5	5684.7	4864.5
50°	180.7	191.5	217.4	233.6	342.3	733.1	1936.7	4946.8	5862.0	5865.9	5065.3
52.5°	177.8	190.5	234.1	228.7	301.2	684.1	2087.5	5294.5	6174.9	6198.4	5379.7
55°	174.3	189.0	229.7	217.4	267.4	625.8	2210.9	5717.1	6614.7	6679.8	5841.9
57.5°	169.9	187.1	222.3	201.8	245.3	550.9	2255.5	6026.5	6921.7	7085.2	6363.0
60°	166.0	185.6	200.8	192.4	231.6	487.7	2169.3	5965.3	6900.6	7253.2	6824.7
62.5°	162.1	187.1	183.1	186.6	225.3	447.1	1944.0	5475.2	6551.5	7079.9	7167.0
65°	157.7	173.8	172.9	181.7	223.8	430.9	1611.6	4740.1	5876.7	6531.9	7247.8
67.5°	151.8	160.6	165.5	175.3	228.7	416.7	1300.6	3910.1	4939.0	5710.7	6826.7
70°	145.4	152.8	158.2	167.5	225.7	410.4	1081.7	3083.5	3918.9	4680.4	5995.7
72.5°	137.1	143.5	148.4	157.2	222.8	406.9	913.8	2483.2	2925.9	3476.8	4874.8
75°	127.3	133.2	136.6	145.4	213.5	372.7	718.4	2101.2	2189.4	2418.6	3882.7
77.5°	116.1	120.5	123.4	133.2	189.0	310.0	519.6	1620.9	1700.2	1756.0	2976.8
80°	102.8	107.2	108.7	118.0	156.7	242.4	338.9	1197.3	1271.7	1284.4	1944.0
82.5°	87.7	92.1	92.1	100.9	128.3	174.3	222.3	820.2	834.9	878.0	1374.1
85°	70.5	73.9	73.9	78.3	99.4	130.3	152.8	411.8	407.4	465.2	1190.4
87.5°	50.4	52.9	55.3	56.3	71.0	86.2	92.1	125.4	82.8	95.0	764.4
90°	0.0	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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6	3009.6
2.5°	3457.2	3485.1	3456.7	3436.1	3347.5	3274.5	3177.1	3127.1
5°	3716.2	3787.2	3763.2	3677.0	3491.9	3283.8	3047.3	2940.6
7.5°	3684.9	3849.9	3853.8	3692.7	3420.0	3113.4	2793.2	2641.4
10°	3441.0	3652.1	3712.3	3556.1	3266.7	2923.9	2556.6	2383.3
12.5°	3168.7	3375.4	3421.4	3367.6	3125.7	2781.4	2408.8	2238.8
15°	2945.9	3038.5	3093.3	3140.3	3004.7	2724.6	2400.4	2213.9
17.5°	2810.3	2800.0	2815.7	2897.5	2920.5	2789.7	2527.8	2322.1
20°	2761.3	2604.1	2600.2	2712.9	2880.8	2945.0	2776.5	2529.7
22.5°	2788.3	2533.6	2501.3	2635.0	2901.9	3168.7	3102.6	2821.1
25°	2881.3	2539.5	2513.6	2642.8	2978.3	3407.2	3454.7	3198.1
27.5°	3027.7	2576.7	2542.4	2675.1	3079.6	3607.5	3801.4	3563.4
30°	3166.8	2641.4	2598.8	2738.8	3172.2	3686.8	4013.9	3848.4
32.5°	3335.7	2762.3	2687.4	2855.8	3286.8	3813.2	4203.5	4084.5
35°	3501.2	2934.7	2841.6	3036.5	3414.6	3970.4	4419.9	4386.1
37.5°	3682.9	3159.9	3083.1	3270.1	3589.4	4118.7	4696.1	4739.7
40°	3876.8	3458.6	3367.6	3610.9	3860.7	4304.8	4984.5	5089.3
42.5°	4072.2	3790.2	3681.4	3928.3	4158.9	4488.5	5231.3	5386.5
45°	4296.0	4150.1	4098.7	4365.5	4445.4	4663.3	5413.5	5606.4
47.5°	4556.5	4558.5	4641.2	4748.0	4734.3	4861.1	5596.6	5802.8
50°	4860.6	5068.2	5250.9	5321.9	5032.0	5073.6	5850.8	6065.7
52.5°	5225.9	5677.9	5904.1	5857.6	5352.7	5333.2	6253.3	6428.1
55°	5682.8	6323.3	6548.1	6514.8	5721.5	5686.7	6754.7	6856.6
57.5°	6211.7	6948.6	7155.3	7005.4	6164.2	6074.5	7169.5	7191.0
60°	6676.4	7444.2	7625.4	7459.4	6610.7	6487.3	7428.5	7324.2
62.5°	6934.9	7612.1	7739.5	7560.7	6916.8	6927.1	7485.3	7252.2
65°	6819.3	7187.6	7228.7	7214.0	6838.0	7182.2	7281.1	6919.7
67.5°	6186.7	6114.2	6183.2	6278.7	6162.2	6846.3	6715.5	6195.5
70°	5072.2	4674.0	4811.6	4875.8	4928.7	5891.4	5828.7	5046.2
72.5°	3822.5	3274.5	3383.2	3370.0	3614.9	4725.5	4533.0	3710.3
75°	2708.4	2220.2	2233.9	2228.6	2522.4	3697.1	3282.4	2538.5
77.5°	1895.1	1608.6	1616.0	1646.3	1695.8	2788.3	2345.1	1854.4
80°	1303.1	1220.8	1261.4	1263.9	1175.2	1873.0	1732.5	1488.2
82.5°	970.6	848.6	838.8	853.0	921.1	1517.5	1331.5	1032.3
85°	794.8	502.4	404.0	506.3	816.3	1502.8	884.4	544.5
87.5°	447.6	238.5	107.7	199.8	325.6	995.0	255.6	69.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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