

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: P200650

Luminaire Tested: **GAW-AF-02-LED-E1-SLR-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200650
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: STREETWORKS
Catalog Number: GAW-AF-02-LED-E1-SLR-8030-1200
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 1200mA 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: 9772 lumens
Efficiency: N/A
Efficacy: 75.8 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): 129
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: 28.75 FT



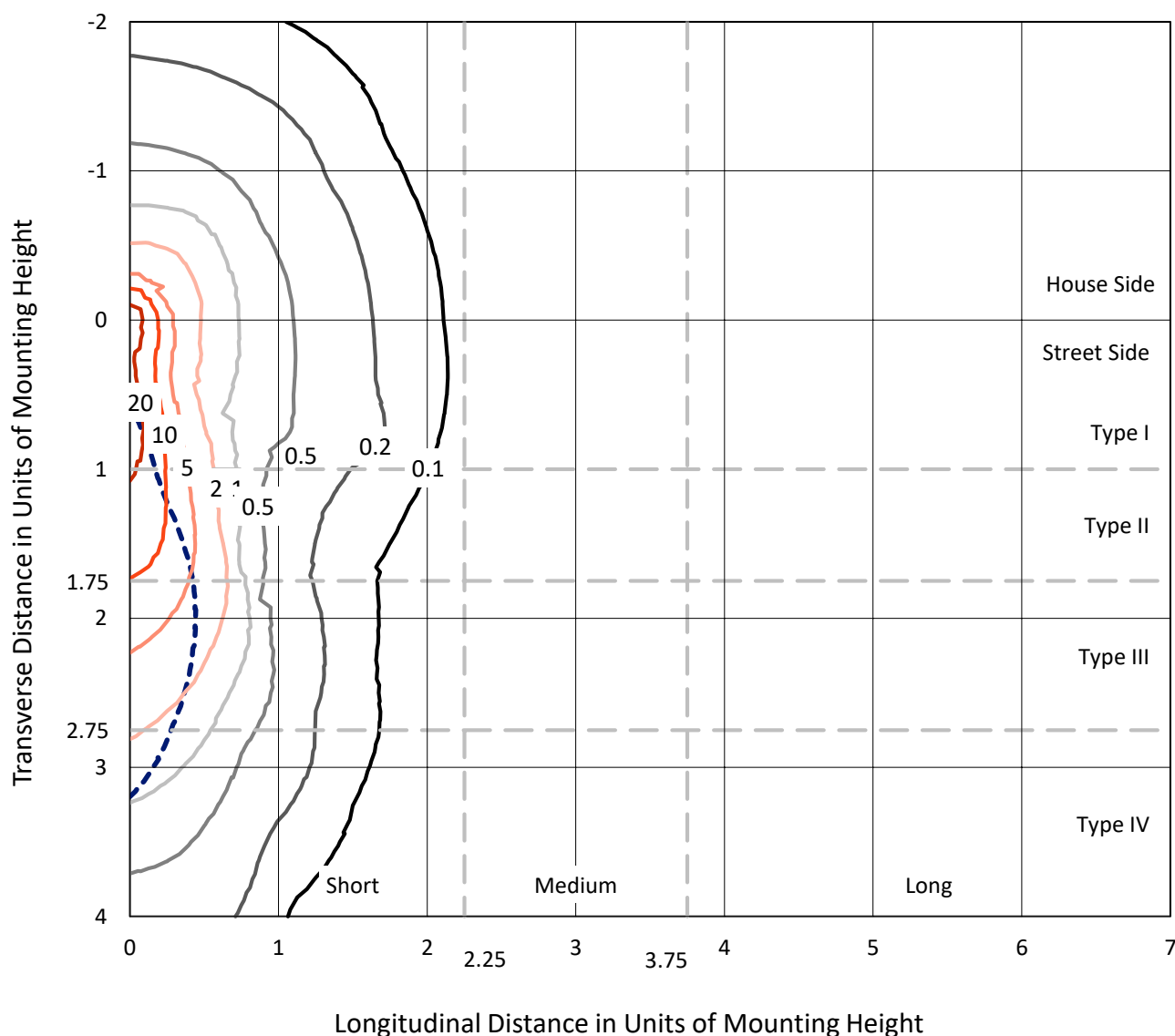
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

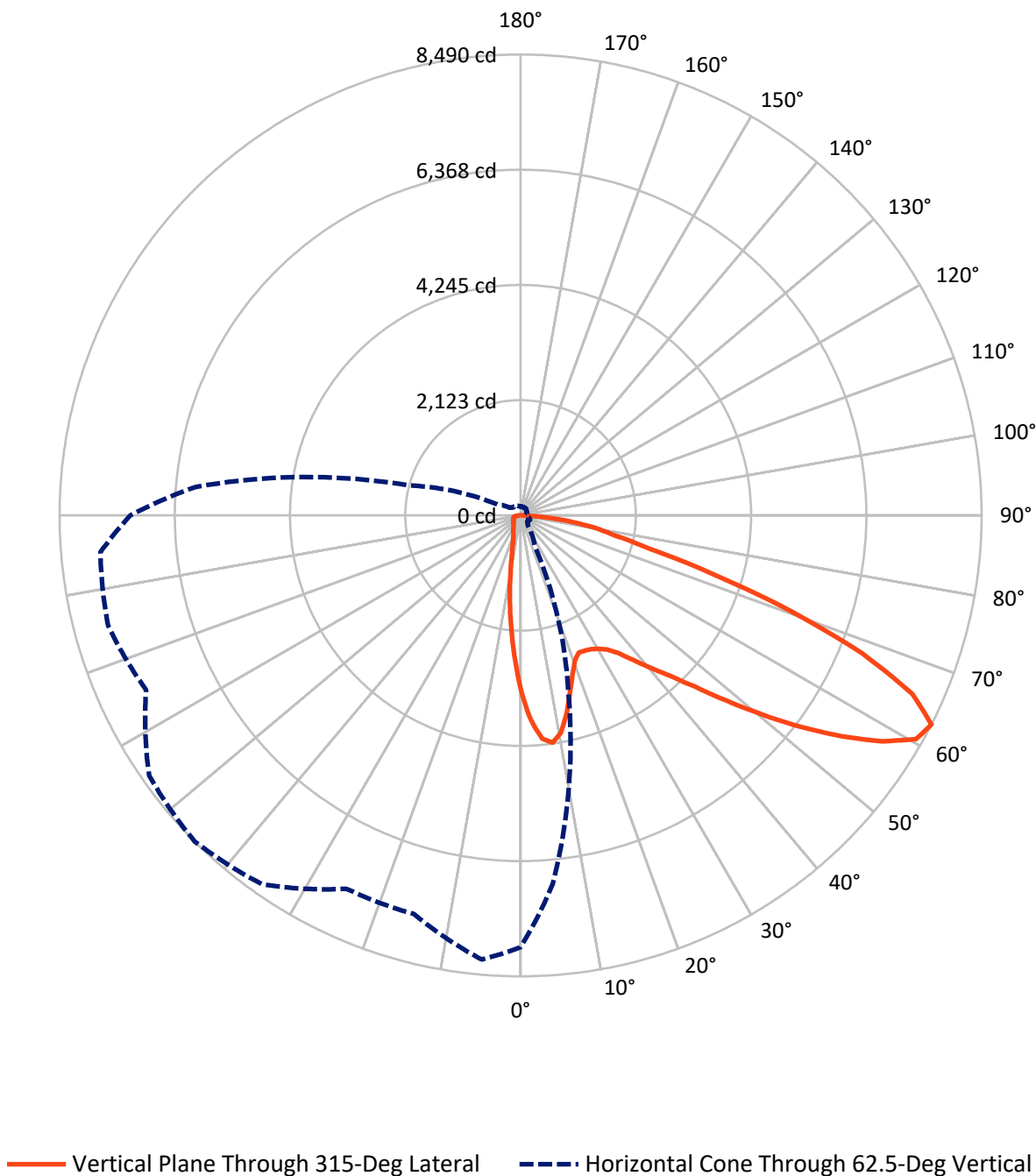


Based on 10 foot mounting height. Maximum calculated value = 33 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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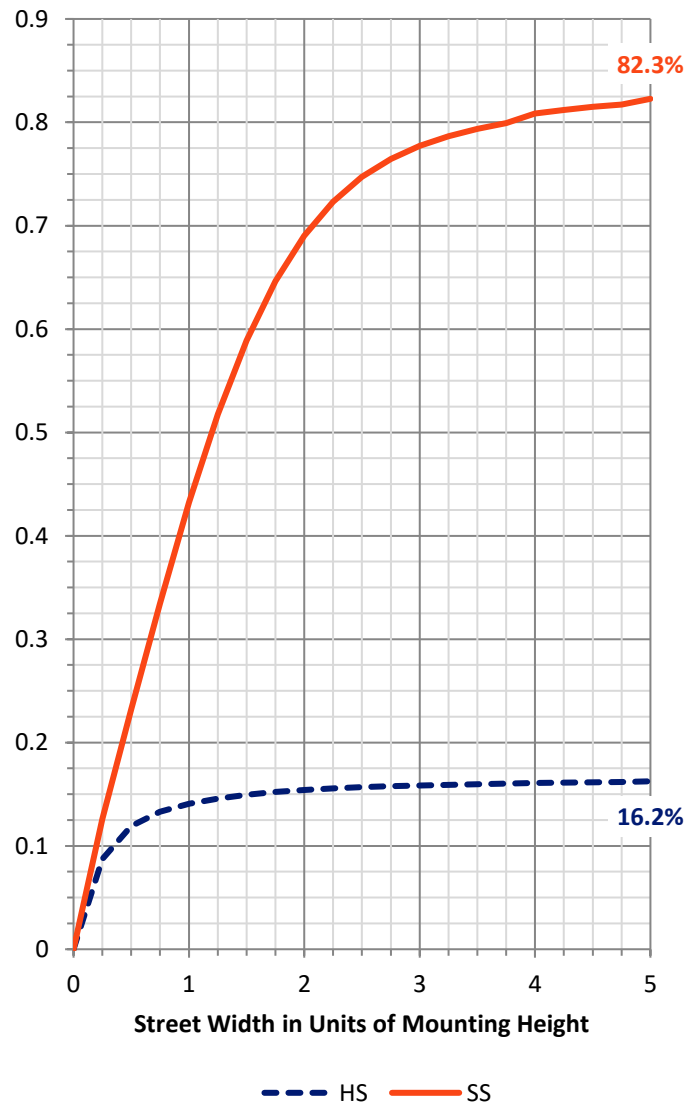
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1617.1	0.0	1617.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8154.9	0.0	8154.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	9772.0	0.0	9772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	2.5
10°-20°	440.7	4.5
20°-30°	642.6	6.6
30°-40°	989.6	10.1
40°-50°	1456.5	14.9
50°-60°	2136.3	21.9
60°-70°	2388.1	24.4
70°-80°	1169.2	12.0
80°-90°	308.7	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°	9772.0	100.0
0°-180°	9772.0	100.0

Coefficient of Utilization



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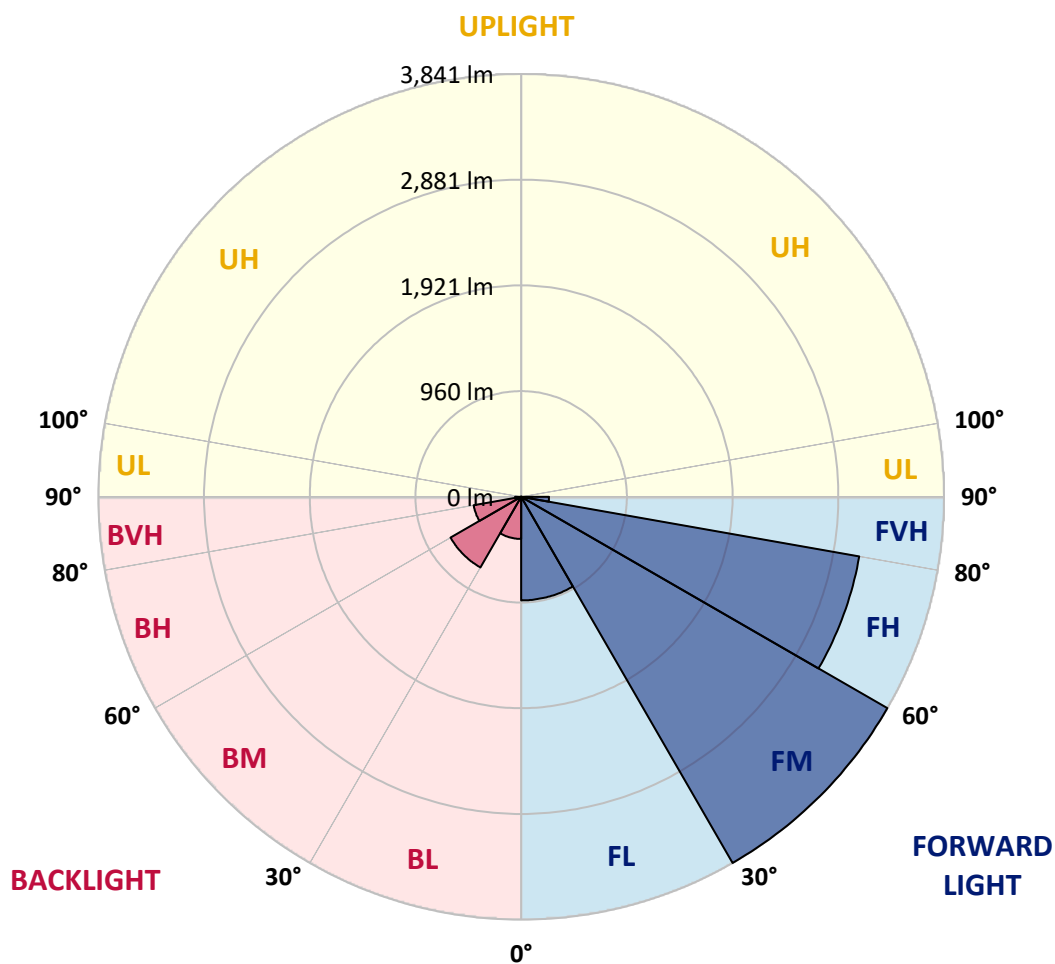
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	941.0	9.6			
FM	(30°-60°)	3841.5	39.3			
FH	(60°-80°)	3118.9	31.9			G2/5000
FVH	(80°-90°)	253.5	2.6			G3/500
BL	(0°-30°)	382.6	3.9	B1/500		
BM	(30°-60°)	741.0	7.6	B1/1000		
BH	(60°-80°)	438.4	4.5	B1/500		G1/500
BVH	(80°-90°)	55.2	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°	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5
2.5°	3430.4	3360.6	3244.6	3123.7	3050.1	2964.2	2897.0	2837.9	2719.7	2696.6	2717.6
5°	3225.8	3085.6	2866.9	2646.7	2500.0	2342.6	2220.2	2121.9	1972.0	1945.7	1977.4
7.5°	2897.5	2729.9	2440.9	2160.0	1952.6	1756.0	1623.9	1518.6	1401.5	1351.0	1354.2
10°	2614.5	2425.4	2083.7	1778.1	1608.3	1475.6	1364.4	1256.5	1137.7	1059.9	1038.4
12.5°	2456.0	2238.4	1844.7	1571.8	1414.4	1274.7	1154.9	1039.4	912.7	833.2	810.6
15°	2428.6	2192.2	1755.0	1439.6	1242.5	1065.8	924.5	795.6	665.0	600.6	587.1
17.5°	2547.3	2275.0	1726.0	1322.0	1080.8	862.7	689.2	545.2	438.9	406.6	404.0
20°	2775.1	2434.0	1722.2	1211.3	921.3	665.6	480.2	375.5	328.8	319.6	320.2
22.5°	3094.7	2680.5	1768.4	1128.1	774.6	496.4	361.0	314.3	296.0	287.4	287.4
25°	3508.3	3020.0	1874.8	1067.4	647.3	396.4	318.5	290.6	273.4	267.5	268.6
27.5°	3909.1	3350.4	1998.3	1019.6	564.0	359.9	301.9	276.6	261.6	255.7	258.4
30°	4221.7	3643.7	2101.4	954.6	521.6	349.7	307.8	282.0	260.5	251.4	251.9
32.5°	4480.6	3900.5	2187.9	907.8	484.0	299.7	265.4	254.1	251.4	240.7	235.3
35°	4811.5	4180.3	2245.9	908.9	466.3	267.5	236.4	216.5	202.0	189.6	189.6
37.5°	5199.4	4501.6	2307.7	921.3	459.8	248.7	226.2	206.3	192.8	181.0	178.9
40°	5582.9	4816.4	2364.1	933.1	456.1	237.4	218.1	199.8	187.5	175.7	172.4
42.5°	5909.0	5075.3	2414.6	939.0	443.2	236.4	212.2	195.5	183.7	170.8	167.6
45°	6150.2	5292.3	2468.9	948.1	430.3	240.7	212.2	195.0	180.5	168.1	164.9
47.5°	6365.6	5546.9	2559.7	948.1	414.7	232.6	219.2	195.5	180.0	167.1	164.4
50°	6654.0	5896.1	2731.6	926.1	392.7	224.0	231.0	193.4	175.1	164.9	161.7
52.5°	7051.6	6343.6	3004.4	888.0	358.8	207.4	229.4	192.3	170.3	159.5	155.8
55°	7521.6	6822.7	3302.0	843.4	308.3	195.5	221.3	189.6	164.9	153.1	149.3
57.5°	7888.5	7152.6	3511.5	774.6	264.3	189.1	196.1	186.9	158.5	146.1	142.9
60°	8034.6	7139.7	3569.0	682.8	242.8	183.7	171.4	209.5	153.1	140.7	137.0
62.5°	7955.6	6809.8	3407.9	618.3	238.0	176.7	160.6	193.9	148.8	137.0	131.6
65°	7590.9	6225.4	2980.8	601.1	251.9	169.7	153.6	152.0	142.9	131.6	126.2
67.5°	6796.4	5351.9	2386.7	602.7	269.7	162.8	146.7	139.1	134.8	125.7	120.9
70°	5535.6	4231.4	1779.1	607.0	278.8	154.7	139.1	131.1	126.2	117.1	113.9
72.5°	4070.2	3261.2	1292.5	579.1	280.4	145.6	128.9	121.9	117.1	107.4	104.8
75°	2784.7	2494.7	896.6	479.7	244.4	132.7	117.6	111.2	108.0	96.2	94.5
77.5°	2034.3	1872.6	573.7	356.2	188.6	116.6	103.7	98.8	96.7	83.8	81.7
80°	1632.5	1481.5	358.8	243.9	138.1	97.8	87.0	84.3	82.2	69.3	67.7
82.5°	1132.4	992.2	230.5	158.5	103.7	75.7	68.8	67.7	64.5	52.6	51.0
85°	597.3	538.8	146.1	108.0	75.2	52.1	47.8	47.8	46.2	34.9	33.8
87.5°	76.3	124.1	74.1	56.4	41.4	23.1	23.1	22.6	24.2	19.9	17.2
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°	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5
2.5°	2668.2	2694.0	2669.2	2670.9	2698.3	2779.9	2817.0	2847.6	2880.4	2901.8	2911.5
5°	1933.8	1994.0	2014.4	2057.4	2120.8	2225.0	2266.4	2296.4	2316.3	2328.1	2333.0
7.5°	1322.5	1359.1	1399.9	1469.2	1607.2	1668.5	1695.9	1688.9	1666.3	1658.3	1650.2
10°	997.0	982.5	975.0	1013.1	1124.9	1186.6	1206.0	1187.2	1174.8	1177.5	1190.9
12.5°	772.5	747.2	716.6	712.3	785.9	841.2	853.6	854.7	877.2	897.1	926.6
15°	563.0	560.3	545.2	536.1	578.0	623.1	628.5	638.2	658.6	673.1	698.9
17.5°	397.0	411.5	423.3	429.2	460.9	493.1	487.2	482.4	478.6	478.6	491.0
20°	320.2	329.8	344.9	362.1	394.3	416.9	402.3	383.0	369.0	364.7	366.4
22.5°	288.5	296.0	304.6	319.6	348.6	364.2	348.6	334.7	320.7	315.9	314.3
25°	272.4	282.0	290.1	301.4	322.8	333.6	318.5	308.3	299.7	293.8	289.5
27.5°	263.2	271.8	274.0	279.3	297.6	307.3	299.7	295.4	290.1	284.7	279.3
30°	253.5	251.9	248.2	248.7	263.2	272.9	272.4	273.4	272.9	271.3	270.2
32.5°	231.5	228.3	225.1	228.3	241.7	250.3	250.9	253.0	253.0	252.5	256.8
35°	192.8	198.8	202.5	212.2	228.3	235.8	232.6	227.2	217.6	211.6	211.1
37.5°	178.3	179.4	185.9	199.3	217.0	224.0	219.2	206.8	200.4	199.3	200.9
40°	171.4	172.4	176.2	188.6	206.3	213.3	209.0	199.8	193.9	193.4	196.1
42.5°	166.5	167.6	169.7	178.3	192.8	201.4	202.0	195.5	188.6	189.1	191.8
45°	163.8	164.4	163.8	168.1	181.6	191.8	196.1	191.8	185.9	186.9	190.2
47.5°	163.3	161.7	159.5	160.6	174.6	184.8	190.2	188.6	185.9	186.9	189.6
50°	161.2	157.4	154.7	154.2	168.1	178.9	183.7	183.7	184.8	186.9	189.6
52.5°	154.7	150.4	150.4	148.8	163.8	174.0	177.3	177.8	179.4	183.2	186.9
55°	146.7	145.0	146.7	144.0	160.6	170.3	171.9	173.0	174.0	177.3	182.6
57.5°	139.7	137.5	141.3	140.2	157.9	166.5	166.5	168.7	168.7	173.0	177.3
60°	135.9	131.6	133.2	134.3	154.2	163.3	162.2	164.4	165.5	169.2	172.4
62.5°	131.1	127.3	127.3	130.0	149.9	158.5	157.9	159.5	163.8	164.9	168.1
65°	125.2	123.6	121.9	125.2	145.6	153.1	153.6	155.8	159.5	160.6	163.3
67.5°	119.3	119.8	116.6	119.8	141.8	147.7	147.7	152.0	153.6	155.8	158.5
70°	112.8	113.3	110.7	114.4	139.1	141.8	141.3	147.2	148.3	149.9	152.6
72.5°	104.8	104.8	103.7	109.0	134.8	135.9	134.8	139.7	140.2	141.8	142.9
75°	96.2	96.2	95.1	102.6	132.1	129.5	126.2	130.0	131.1	132.1	132.1
77.5°	84.9	85.9	85.9	95.1	123.0	126.8	116.0	118.2	119.8	120.3	118.7
80°	70.9	73.6	74.7	86.5	103.1	117.1	103.7	105.3	105.8	105.8	103.7
82.5°	54.3	59.1	61.8	74.7	79.0	98.3	90.2	91.9	90.2	87.0	85.9
85°	37.6	44.0	47.3	56.9	59.6	75.7	75.2	75.2	72.0	67.7	67.1
87.5°	20.4	24.2	26.3	33.8	40.8	51.0	55.3	53.7	51.0	48.3	48.9
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°	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5
2.5°	2962.0	3035.1	3151.6	3240.8	3330.5	3417.0	3510.5	3581.9	3642.6	3666.3	3738.2
5°	2381.9	2473.2	2583.3	2782.1	2922.8	3078.0	3257.5	3494.9	3586.2	3712.5	3919.3
7.5°	1684.1	1766.8	1944.1	2104.7	2304.0	2523.7	2765.9	3093.6	3213.4	3415.9	3752.7
10°	1257.5	1353.7	1496.0	1631.4	1807.1	2031.6	2309.9	2676.2	2821.8	3041.5	3429.4
12.5°	1013.1	1126.5	1277.4	1404.7	1540.6	1699.1	1969.3	2371.1	2566.1	2758.4	3150.6
15°	778.4	897.1	1037.3	1199.0	1348.9	1519.7	1802.8	2242.2	2466.7	2667.1	3001.8
17.5°	538.8	640.3	817.1	985.7	1177.5	1396.1	1756.6	2269.6	2537.6	2768.6	3027.5
20°	381.9	440.0	585.0	780.5	1019.6	1294.1	1748.0	2413.5	2762.2	3025.9	3193.0
22.5°	321.2	342.7	427.1	606.5	882.6	1217.8	1778.1	2615.5	3065.1	3402.0	3456.8
25°	292.8	305.7	349.7	475.9	760.6	1162.5	1879.6	2916.3	3440.1	3778.0	3768.3
27.5°	277.2	290.6	319.6	401.8	668.8	1128.1	1981.1	3273.0	3868.8	4186.2	4065.9
30°	272.4	290.6	321.2	378.7	603.3	1073.8	2064.4	3586.2	4198.6	4461.8	4201.3
32.5°	268.6	271.3	285.2	326.6	540.9	1010.4	2120.8	3867.2	4521.4	4724.0	4396.3
35°	217.0	230.5	253.0	292.8	504.4	972.3	2120.8	4109.4	4839.5	4988.8	4582.1
37.5°	209.0	220.8	240.7	274.5	484.0	953.5	2078.3	4343.1	5164.4	5289.1	4735.2
40°	204.7	214.3	233.1	260.5	475.4	932.0	2016.6	4549.4	5481.9	5589.9	4878.1
42.5°	201.4	210.0	227.8	251.9	464.1	908.4	1966.6	4714.8	5757.5	5846.7	5014.6
45°	199.8	209.0	228.3	256.2	441.6	877.2	1950.0	4893.7	5984.2	6061.0	5162.3
47.5°	199.8	210.6	231.0	265.4	414.7	845.0	2002.1	5129.5	6198.5	6236.1	5336.3
50°	198.2	210.0	238.5	256.2	375.5	804.2	2124.5	5426.6	6430.6	6434.9	5556.6
52.5°	195.0	209.0	256.8	250.9	330.4	750.4	2290.0	5808.0	6773.8	6799.6	5901.5
55°	191.2	207.4	251.9	238.5	293.3	686.5	2425.4	6271.6	7256.2	7327.7	6408.6
57.5°	186.4	205.2	243.9	221.3	269.1	604.3	2474.3	6611.1	7593.0	7772.5	6980.1
60°	182.1	203.6	220.2	211.1	254.1	535.0	2379.7	6543.9	7569.9	7956.7	7486.7
62.5°	177.8	205.2	200.9	204.7	247.1	490.4	2132.6	6006.2	7186.9	7766.5	7862.2
65°	173.0	190.7	189.6	199.3	245.5	472.7	1767.9	5199.9	6446.7	7165.4	7950.8
67.5°	166.5	176.2	181.6	192.3	250.9	457.1	1426.7	4289.4	5418.0	6264.6	7488.8
70°	159.5	167.6	173.5	183.7	247.6	450.2	1186.6	3382.6	4299.1	5134.4	6577.2
72.5°	150.4	157.4	162.8	172.4	244.4	446.4	1002.4	2724.0	3209.7	3814.0	5347.6
75°	139.7	146.1	149.9	159.5	234.2	408.8	788.0	2305.0	2401.7	2653.1	4259.3
77.5°	127.3	132.1	135.4	146.1	207.4	340.0	569.9	1778.1	1865.1	1926.3	3265.5
80°	112.8	117.6	119.3	129.5	171.9	265.9	371.7	1313.4	1395.1	1409.0	2132.6
82.5°	96.2	101.0	101.0	110.7	140.7	191.2	243.9	899.8	915.9	963.2	1507.3
85°	77.4	81.1	81.1	85.9	109.0	142.9	167.6	451.8	446.9	510.3	1305.9
87.5°	55.3	58.0	60.7	61.8	77.9	94.5	101.0	137.5	90.8	104.2	838.5
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°	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5	3301.5
2.5°	3792.5	3823.1	3792.0	3769.4	3672.2	3592.1	3485.2	3430.4
5°	4076.7	4154.5	4128.2	4033.7	3830.6	3602.3	3342.9	3225.8
7.5°	4042.3	4223.3	4227.6	4050.9	3751.7	3415.4	3064.1	2897.5
10°	3774.8	4006.3	4072.4	3901.0	3583.5	3207.5	2804.6	2614.5
12.5°	3476.1	3702.8	3753.3	3694.2	3428.8	3051.2	2642.4	2456.0
15°	3231.7	3333.2	3393.4	3444.9	3296.1	2988.9	2633.3	2428.6
17.5°	3082.9	3071.6	3088.8	3178.5	3203.7	3060.3	2772.9	2547.3
20°	3029.2	2856.7	2852.4	2976.0	3160.2	3230.6	3045.8	2775.1
22.5°	3058.7	2779.4	2743.9	2890.6	3183.3	3476.1	3403.6	3094.7
25°	3160.8	2785.8	2757.3	2899.2	3267.1	3737.7	3789.8	3508.3
27.5°	3321.4	2826.6	2789.0	2934.6	3378.3	3957.4	4170.1	3909.1
30°	3473.9	2897.5	2850.8	3004.4	3479.9	4044.4	4403.3	4221.7
32.5°	3659.3	3030.2	2948.0	3132.8	3605.6	4183.0	4611.2	4480.6
35°	3840.8	3219.3	3117.3	3331.1	3745.8	4355.5	4848.6	4811.5
37.5°	4040.1	3466.4	3382.1	3587.3	3937.5	4518.2	5151.6	5199.4
40°	4252.9	3794.1	3694.2	3961.2	4235.1	4722.3	5468.0	5582.9
42.5°	4467.2	4157.8	4038.5	4309.3	4562.3	4923.8	5738.7	5909.0
45°	4712.7	4552.6	4496.2	4789.0	4876.5	5115.6	5938.5	6150.2
47.5°	4998.5	5000.6	5091.4	5208.5	5193.5	5332.6	6139.4	6365.6
50°	5332.0	5559.8	5760.2	5838.1	5520.1	5565.7	6418.2	6654.0
52.5°	5732.8	6228.6	6476.8	6425.7	5871.9	5850.4	6859.8	7051.6
55°	6234.0	6936.6	7183.2	7146.6	6276.4	6238.3	7409.9	7521.6
57.5°	6814.1	7622.6	7849.3	7684.9	6762.0	6663.7	7864.9	7888.5
60°	7323.9	8166.2	8365.0	8182.9	7251.9	7116.6	8149.0	8034.6
62.5°	7607.5	8350.5	8490.1	8294.1	7587.7	7598.9	8211.3	7955.6
65°	7480.8	7884.7	7929.9	7913.7	7501.2	7878.8	7987.3	7590.9
67.5°	6786.7	6707.2	6783.0	6887.7	6759.9	7510.3	7366.9	6796.4
70°	5564.1	5127.4	5278.3	5348.7	5406.7	6462.8	6394.1	5535.6
72.5°	4193.2	3592.1	3711.4	3696.9	3965.5	5183.8	4972.7	4070.2
75°	2971.1	2435.6	2450.6	2444.7	2767.0	4055.7	3600.7	2784.7
77.5°	2078.9	1764.6	1772.7	1806.0	1860.3	3058.7	2572.6	2034.3
80°	1429.4	1339.2	1383.8	1386.5	1289.2	2054.7	1900.5	1632.5
82.5°	1064.7	930.9	920.2	935.8	1010.4	1664.7	1460.6	1132.4
85°	871.8	551.1	443.2	555.4	895.5	1648.6	970.1	597.3
87.5°	491.0	261.6	118.2	219.2	357.2	1091.5	280.4	76.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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