

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386588

Luminaire Tested: GAW-SA2B-730-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2B-730-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8052 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

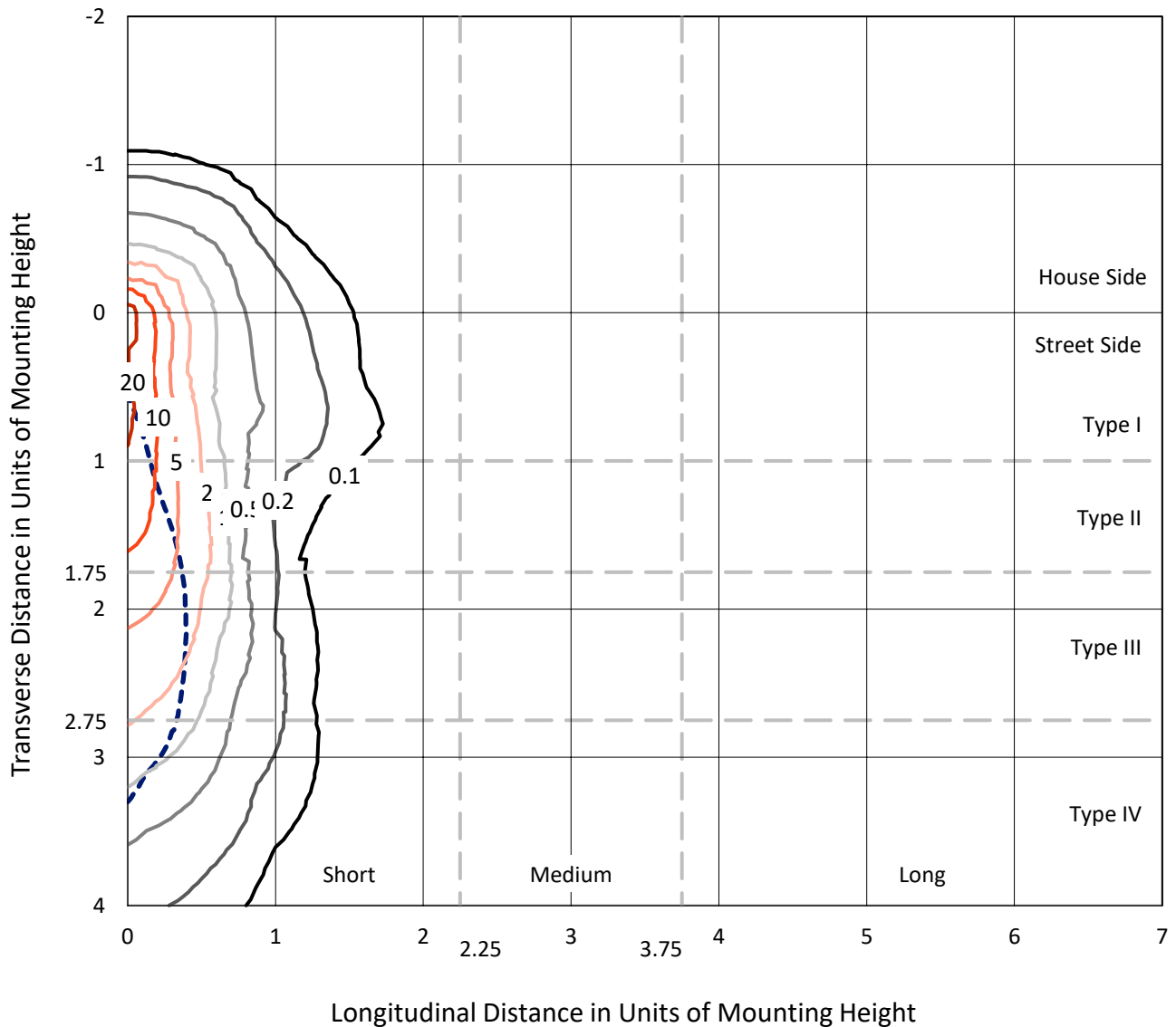
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

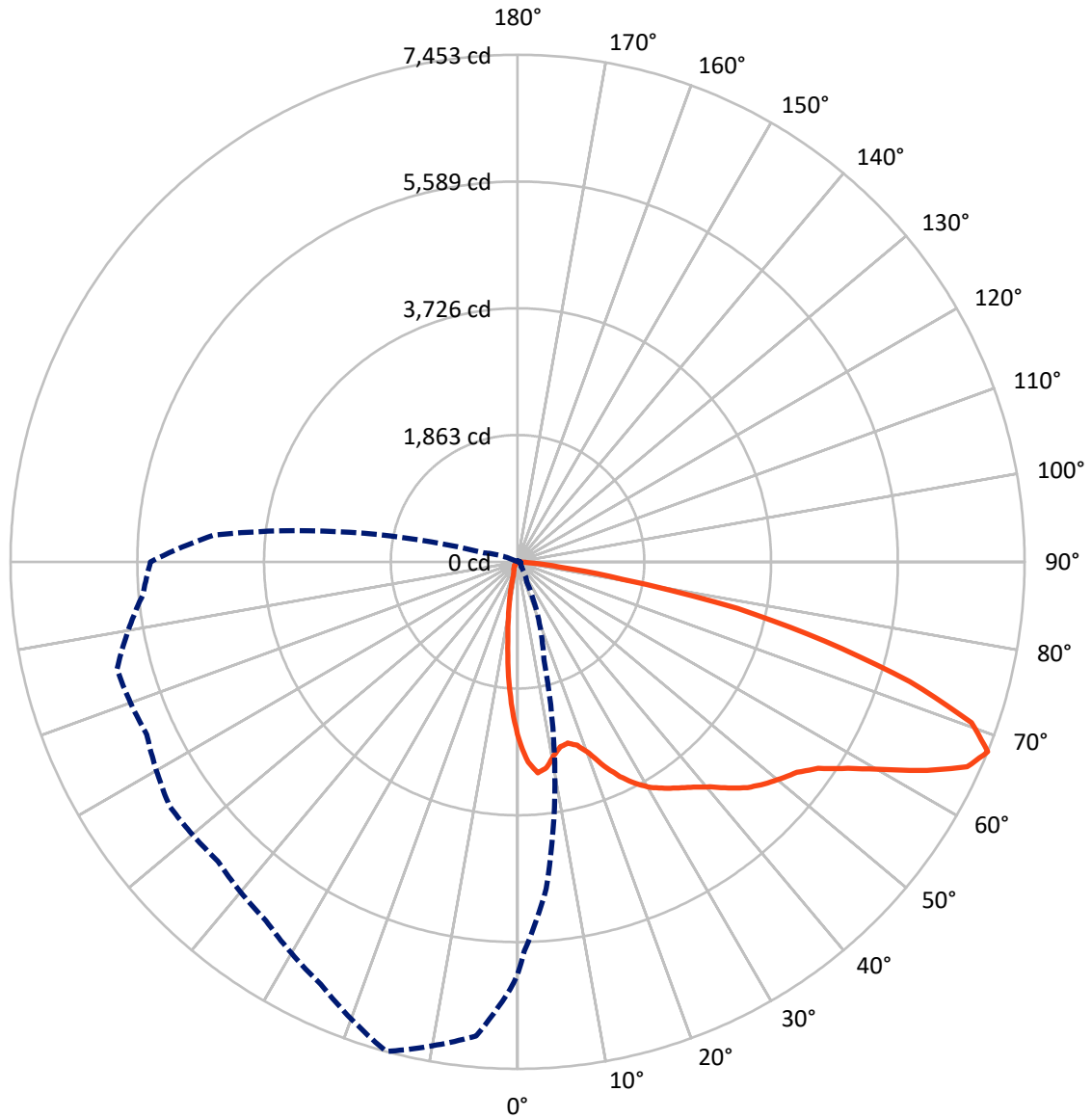
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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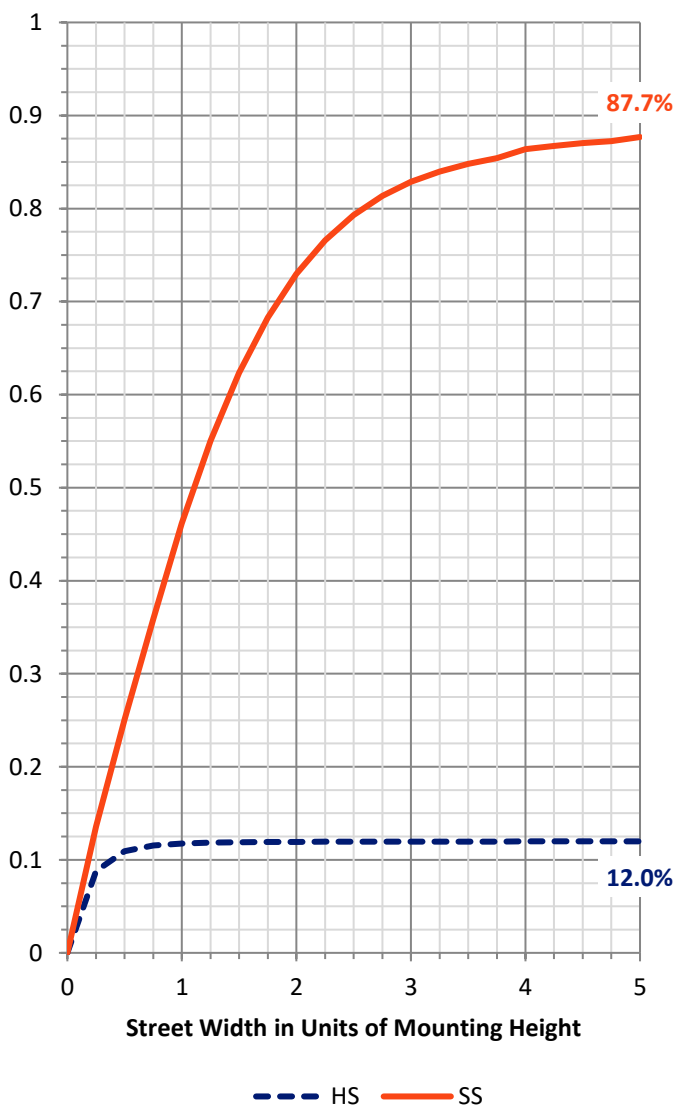
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.6	0.0	974.6
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	7077.4	0.0	7077.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	8052.0	0.0	8052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.3	2.5
10°-20°	400.7	5.0
20°-30°	569.0	7.1
30°-40°	840.4	10.4
40°-50°	1212.1	15.1
50°-60°	1701.5	21.1
60°-70°	1983.5	24.6
70°-80°	1014.0	12.6
80°-90°	129.5	1.6
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°	8052.0	100.0
0°-180°	8052.0	100.0

Coefficient of Utilization

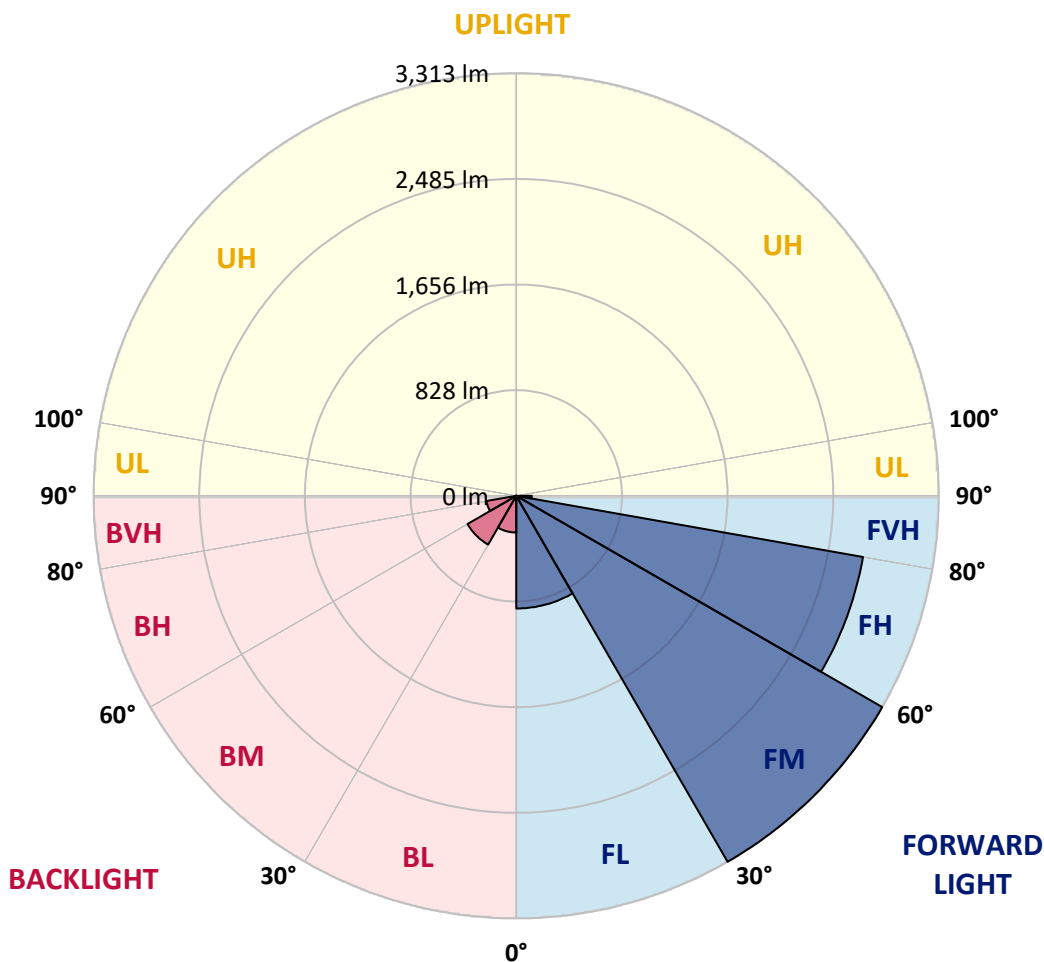


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	883.1	11.0			
FM (30°-60°)	3312.7	41.1			
FH (60°-80°)	2759.9	34.3			G2/5000
FVH (80°-90°)	121.6	1.5			G2/225
BL (0°-30°)	287.8	3.6	B1/500		
BM (30°-60°)	441.3	5.5	B1/1000		
BH (60°-80°)	237.5	2.9	B1/500		G1/500
BVH (80°-90°)	7.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9
2.5°	2872.0	2849.9	2825.5	2745.8	2671.8	2587.1	2518.0	2470.0	2409.7	2331.5	2311.7
5°	2851.4	2827.8	2751.1	2573.7	2418.5	2267.4	2121.7	2036.2	1930.2	1822.6	1795.9
7.5°	2644.3	2619.5	2508.9	2265.9	2056.8	1838.6	1649.4	1532.3	1412.5	1314.1	1261.9
10°	2428.8	2401.7	2277.3	1982.5	1725.0	1527.8	1388.9	1277.1	1163.8	1058.6	974.6
12.5°	2280.4	2244.9	2109.9	1775.7	1551.4	1417.5	1287.8	1153.9	1000.6	887.7	795.3
15°	2218.2	2177.8	2035.1	1696.0	1490.0	1332.8	1163.8	999.4	819.8	690.4	605.8
17.5°	2266.3	2213.6	2060.7	1690.6	1412.9	1198.9	985.3	792.3	597.4	466.5	406.3
20°	2429.5	2360.5	2166.3	1689.1	1319.5	1039.9	769.0	550.8	393.7	316.6	285.0
22.5°	2686.6	2595.5	2318.1	1701.3	1223.0	872.8	555.4	374.2	295.6	255.6	236.9
25°	2997.1	2891.5	2536.7	1744.4	1138.3	710.3	403.6	295.6	249.5	220.1	204.5
27.5°	3292.4	3206.6	2812.9	1806.6	1072.7	579.1	327.7	250.6	213.2	193.8	181.2
30°	3587.3	3479.3	3096.3	1880.6	993.7	490.2	288.0	228.5	191.1	170.5	162.5
32.5°	3801.6	3712.0	3318.3	1934.0	909.4	432.2	257.5	209.0	178.5	157.5	145.7
35°	4053.8	3952.3	3508.7	1945.8	855.2	395.6	231.5	188.1	154.9	136.2	123.6
37.5°	4326.1	4199.9	3728.4	1919.9	812.9	377.6	212.1	178.5	144.6	125.5	112.1
40°	4627.5	4484.8	3939.3	1882.5	771.3	371.5	197.2	171.3	136.6	117.1	103.4
42.5°	4944.9	4776.7	4122.1	1843.2	745.0	350.6	195.7	164.0	130.5	109.5	95.7
45°	5211.5	5041.0	4309.7	1830.2	726.3	327.7	202.2	159.1	126.3	103.4	90.0
47.5°	5424.0	5262.6	4502.0	1859.2	715.6	306.7	184.2	165.6	124.0	98.0	85.1
50°	5677.7	5494.9	4772.8	1945.8	700.0	285.7	166.7	189.6	124.0	94.6	80.9
52.5°	5995.8	5815.0	5075.0	2080.1	668.7	256.7	149.9	190.0	125.1	90.0	75.5
55°	6396.0	6264.7	5506.4	2227.3	618.7	214.0	129.7	163.3	120.5	81.6	70.6
57.5°	6779.7	6672.5	5899.7	2328.1	552.0	167.1	112.9	131.6	110.2	71.7	62.9
59°	6884.6	6767.5	6043.9	2332.6	502.0	145.7	104.5	108.7	108.0	67.1	58.4
60°	6884.6	6760.2	6085.4	2308.2	465.8	133.9	99.2	96.9	112.5	64.1	55.7
62.5°	6759.9	6585.2	5950.4	2143.0	379.9	114.1	86.6	80.1	101.1	57.6	49.2
65°	6500.5	6246.0	5490.4	1844.4	338.7	104.5	74.8	65.6	70.2	50.7	43.1
67.5°	6067.9	5723.1	4827.0	1490.0	322.3	101.9	64.5	55.7	53.0	43.5	37.8
70°	5306.1	4923.5	4021.7	1171.5	308.2	100.7	54.2	46.9	42.7	36.6	32.0
72.5°	3861.9	3462.9	2855.2	915.9	299.8	103.0	43.5	39.3	35.1	28.6	24.8
75°	2209.0	1947.7	1604.8	605.0	255.6	98.4	33.6	32.8	25.2	20.6	17.2
77.5°	1141.3	1106.6	961.7	232.3	122.4	43.1	22.1	19.1	14.9	12.6	10.3
80°	492.5	487.1	421.5	67.1	32.4	24.0	12.6	8.0	6.9	5.3	4.2
82.5°	170.1	170.1	149.9	22.5	14.5	11.8	1.5	0.0	0.0	0.0	0.0
85°	34.3	38.5	27.1	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9
2.5°	2287.6	2241.5	2238.4	2209.4	2173.2	2156.8	2147.2	2164.0	2184.6	2186.9	2217.8
5°	1775.7	1727.3	1747.5	1696.0	1706.3	1696.0	1679.2	1682.2	1691.4	1662.8	1698.3
7.5°	1247.0	1210.4	1233.6	1219.9	1238.2	1245.5	1235.2	1219.9	1174.9	1169.6	1200.5
10°	939.9	898.3	873.5	847.6	853.3	865.2	861.3	850.3	821.7	823.2	852.9
12.5°	755.3	708.8	659.5	595.8	580.2	589.0	580.2	573.7	546.3	548.5	574.9
15°	573.0	534.8	483.3	432.2	404.3	407.0	382.6	365.4	348.3	327.7	343.7
17.5°	386.8	363.5	348.3	333.0	299.8	292.2	261.3	228.1	215.1	205.6	212.5
20°	273.9	261.3	255.2	254.4	235.4	225.8	195.7	175.1	168.6	166.7	170.9
22.5°	228.9	219.7	210.9	206.0	196.5	185.4	162.5	152.2	147.6	145.3	148.4
25°	199.1	192.3	183.1	174.7	170.9	159.1	142.7	135.0	132.0	129.7	131.2
27.5°	177.0	170.9	160.2	154.9	151.8	141.5	127.4	121.3	118.6	117.9	117.5
30°	159.5	153.7	143.8	137.7	132.4	123.2	114.8	108.7	106.0	105.3	104.5
32.5°	141.9	137.3	130.8	124.7	119.0	110.6	103.4	98.4	94.2	93.5	93.1
35°	119.8	115.2	111.8	111.4	106.0	98.0	92.7	86.2	82.8	81.6	82.0
37.5°	106.4	100.3	92.7	95.4	93.8	88.1	80.9	74.4	71.0	70.2	70.2
40°	98.0	91.6	82.8	78.2	82.8	81.6	70.2	63.7	60.3	59.9	59.1
42.5°	90.0	83.5	73.6	66.0	68.3	71.7	60.7	54.5	51.1	50.4	49.2
45°	84.3	77.4	66.4	57.6	53.0	60.3	51.9	44.2	42.3	40.8	40.1
47.5°	79.0	72.5	59.9	50.0	42.3	43.5	41.6	36.2	34.0	32.4	32.0
50°	74.4	67.5	54.2	42.7	35.1	32.0	33.6	28.6	26.7	25.2	24.4
52.5°	69.0	62.6	48.1	37.0	29.4	25.2	25.6	22.5	20.6	19.5	19.1
55°	64.8	58.4	43.1	32.4	25.9	20.6	18.3	17.5	16.4	15.6	15.3
57.5°	59.1	53.0	38.1	27.5	22.1	16.8	14.1	14.1	13.7	13.0	12.6
59°	55.7	50.4	35.1	24.8	20.2	14.5	12.6	13.0	12.6	11.8	11.4
60°	53.0	48.1	32.8	22.9	19.1	13.4	11.4	12.2	11.8	11.1	10.7
62.5°	46.9	43.5	28.2	19.1	16.8	10.7	9.5	10.3	10.3	9.9	9.5
65°	41.2	37.4	24.0	16.0	15.6	9.2	7.6	9.2	9.5	8.8	8.0
67.5°	35.9	32.0	21.0	13.0	14.5	7.2	5.7	7.6	10.3	8.0	7.2
70°	30.5	26.7	16.4	10.3	15.3	5.0	4.6	6.9	12.2	8.8	6.9
72.5°	23.7	20.6	11.4	7.6	16.4	3.4	3.4	5.7	13.7	9.5	6.5
75°	16.4	13.4	6.9	4.6	13.4	2.3	2.3	5.3	13.0	8.8	6.1
77.5°	9.5	7.2	2.3	0.4	6.9	0.0	0.4	3.8	9.2	5.3	2.7
80°	3.4	1.5	0.0	0.0	4.2	0.0	0.0	0.0	0.8	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9
2.5°	2225.8	2277.3	2323.5	2393.3	2476.1	2571.4	2653.4	2741.6	2824.3	2858.7	2882.3
5°	1705.5	1769.2	1843.6	1946.2	2082.8	2251.0	2408.5	2586.7	2778.2	2873.9	2963.9
7.5°	1205.8	1270.6	1363.0	1472.1	1637.2	1837.5	2043.5	2289.5	2548.9	2700.4	2849.5
10°	867.1	946.8	1033.0	1182.1	1350.0	1540.0	1752.0	2026.7	2315.8	2483.7	2663.4
12.5°	590.1	680.9	811.4	978.4	1175.7	1361.8	1546.1	1808.1	2143.8	2310.1	2502.8
15°	354.0	404.3	542.4	735.8	977.7	1209.6	1411.4	1674.2	2032.0	2235.7	2436.0
17.5°	218.2	241.5	316.6	475.3	729.4	1022.7	1299.3	1628.8	2048.1	2296.0	2510.4
20°	173.9	183.1	207.1	280.8	483.3	816.7	1173.0	1619.7	2178.9	2484.1	2714.1
22.5°	151.1	159.8	175.9	204.1	304.0	611.5	1053.2	1628.1	2366.6	2766.0	3034.5
25°	133.1	140.8	156.0	179.3	222.8	430.7	925.0	1665.5	2611.1	3115.8	3401.1
27.5°	119.0	125.5	139.6	161.0	191.1	300.6	779.7	1710.9	2901.0	3473.6	3755.1
30°	106.0	111.8	124.4	144.2	165.9	231.2	620.3	1741.7	3191.3	3755.1	4008.0
32.5°	95.0	99.2	110.6	127.4	144.2	184.2	471.5	1736.8	3406.8	3989.3	4190.0
35°	83.5	87.7	97.7	112.1	125.5	152.2	370.8	1644.1	3594.5	4232.3	4398.2
37.5°	71.0	76.3	85.8	98.8	108.0	133.9	299.8	1532.3	3784.9	4510.0	4630.6
40°	60.3	65.6	74.0	88.1	93.8	127.0	230.4	1396.1	3998.9	4820.5	4885.4
42.5°	50.0	54.9	63.7	75.9	88.5	109.5	170.5	1240.5	4204.5	5086.0	5117.7
45°	40.4	45.4	54.5	66.8	94.6	90.8	132.0	1073.8	4370.4	5306.9	5317.2
47.5°	32.0	36.6	46.2	62.9	88.1	72.5	94.2	943.0	4509.6	5479.3	5452.2
50°	24.8	28.6	38.5	72.1	77.1	59.9	71.3	899.5	4634.4	5586.1	5515.9
52.5°	19.5	22.9	31.7	67.5	59.9	49.6	59.9	940.3	4805.3	5674.6	5551.8
55°	15.6	19.1	24.8	38.5	40.8	42.0	51.1	978.4	5100.1	5882.1	5763.5
57.5°	13.0	16.4	20.2	27.1	30.9	35.5	45.4	982.6	5447.6	6227.0	6114.8
59°	11.8	14.9	18.3	24.0	27.1	32.4	42.7	959.8	5570.1	6352.5	6296.4
60°	11.1	14.1	17.2	22.1	25.2	30.5	41.2	938.0	5575.4	6347.9	6373.8
62.5°	9.5	12.6	15.3	18.7	21.4	25.9	37.0	857.5	5349.6	6140.0	6327.3
65°	8.4	11.1	13.7	16.0	18.3	23.3	33.6	710.7	4963.9	5804.7	6008.8
67.5°	7.6	9.5	12.6	14.1	16.4	20.6	29.8	506.6	4482.2	5394.6	5527.0
70°	6.9	9.2	11.4	13.0	14.9	17.9	25.6	291.1	3784.9	4794.2	4888.4
72.5°	6.5	8.8	10.3	12.2	13.4	16.0	23.3	136.9	2771.3	3840.5	4086.6
75°	5.7	8.0	9.5	11.4	12.6	14.5	19.8	65.6	1843.2	2779.3	3058.9
77.5°	3.4	6.5	8.8	10.3	11.1	12.6	16.4	37.8	1176.4	1923.7	2265.9
80°	0.0	2.3	6.5	8.8	9.5	10.7	12.6	29.8	629.4	1099.0	1319.1
82.5°	0.0	0.0	4.6	6.9	6.5	7.2	9.5	18.7	283.8	718.3	809.5
85°	0.0	0.0	1.5	5.3	4.6	3.4	6.5	6.5	62.2	363.5	453.6
87.5°	0.0	0.0	0.0	0.4	2.3	1.5	2.7	0.8	0.4	27.1	109.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9	2622.9
2.5°	2965.1	2993.3	3041.0	3063.5	3052.4	3005.5	2949.5	2892.2	2858.7	2872.0
5°	3147.4	3292.8	3376.7	3404.5	3358.0	3252.7	3115.0	2933.4	2869.0	2851.4
7.5°	3147.4	3420.9	3594.1	3624.6	3520.9	3314.5	3056.3	2772.8	2678.6	2644.3
10°	3036.8	3409.1	3650.6	3699.0	3554.1	3245.5	2899.5	2576.0	2464.2	2428.8
12.5°	2912.1	3313.0	3567.4	3634.2	3515.2	3176.8	2790.8	2442.9	2311.3	2280.4
15°	2835.4	3194.7	3405.3	3453.7	3403.4	3136.8	2764.8	2402.8	2247.9	2218.2
17.5°	2862.9	3103.2	3179.1	3207.3	3241.3	3122.6	2835.4	2490.6	2294.5	2266.3
20°	2966.2	3006.7	2967.4	3002.9	3094.4	3136.4	3003.6	2702.6	2467.3	2429.5
22.5°	3141.7	2956.7	2846.5	2860.6	2972.0	3181.8	3260.7	3005.5	2733.9	2686.6
25°	3346.2	2997.1	2779.3	2766.7	2881.2	3241.7	3495.7	3335.1	3049.4	2997.1
27.5°	3603.3	3087.9	2765.6	2753.0	2849.5	3297.7	3691.0	3660.9	3381.6	3292.4
30°	3801.6	3177.2	2806.4	2777.4	2881.2	3336.6	3847.8	3937.4	3646.4	3587.3
32.5°	3943.9	3282.5	2872.8	2830.8	2970.4	3403.8	3968.7	4190.7	3891.3	3801.6
35°	4052.3	3396.9	2980.0	2910.9	3093.3	3505.6	4082.0	4460.4	4151.8	4053.8
37.5°	4153.7	3557.5	3147.4	3065.0	3285.9	3669.7	4201.8	4766.4	4443.3	4326.1
40°	4295.2	3739.5	3405.7	3332.4	3609.8	3893.2	4351.3	5085.3	4774.7	4627.5
42.5°	4436.8	3934.8	3670.0	3689.9	4013.7	4164.8	4544.3	5422.5	5102.0	4944.9
45°	4566.1	4136.2	4046.5	4138.1	4388.7	4462.7	4736.2	5617.4	5363.3	5211.5
47.5°	4681.3	4387.9	4420.7	4664.5	4815.2	4732.4	4879.6	5785.6	5557.9	5424.0
50°	4815.2	4713.7	4914.0	5258.8	5306.1	4976.5	5010.1	5984.7	5785.2	5677.7
52.5°	4961.7	5057.0	5460.2	5764.3	5749.0	5241.7	5141.3	6207.9	6096.9	5995.8
55°	5128.0	5334.3	5941.3	6237.3	6224.3	5537.7	5358.8	6483.7	6487.5	6396.0
57.5°	5374.8	5573.1	6267.8	6619.9	6641.6	5879.5	5727.3	6792.7	6840.7	6779.7
59°	5551.8	5728.0	6397.1	6779.7	6868.2	6143.8	5996.6	6972.0	6940.3	6884.6
60°	5683.0	5826.4	6461.2	6863.2	6999.8	6323.1	6195.3	7077.2	6952.1	6884.6
62.5°	6007.6	6040.8	6576.8	6957.8	7151.2	6721.3	6754.5	7256.5	6870.1	6759.9
65°	6159.1	6176.2	6575.2	6788.5	7004.8	7031.5	7261.9	7261.9	6669.8	6500.5
67.5°	6095.7	6013.0	6249.1	6227.0	6442.9	6847.2	7452.6	6995.6	6286.9	6067.9
70°	5580.8	5262.3	5157.3	5166.9	5332.1	5955.7	7075.0	6212.1	5562.1	5306.1
72.5°	4643.5	3879.5	3620.4	3916.1	3959.2	4577.1	6029.4	4678.2	4101.8	3861.9
75°	3734.9	2734.7	2313.6	2625.6	2698.8	3349.6	4664.1	2913.6	2396.0	2209.0
77.5°	2683.2	1963.0	1660.1	1638.4	1733.0	2124.4	3309.6	1466.3	1223.0	1141.3
80°	1524.3	1292.0	1391.2	1312.6	1360.3	1328.2	1572.4	643.1	526.8	492.5
82.5°	920.1	763.7	827.0	688.5	871.3	758.7	605.8	206.0	178.9	170.1
85°	598.5	417.3	217.4	145.7	300.2	484.8	135.4	56.1	43.1	34.3
87.5°	206.4	106.4	10.7	4.6	32.0	90.4	5.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)