

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: P532318

Luminaire Tested: **GALN-SA7C-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7C-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28981 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 377
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

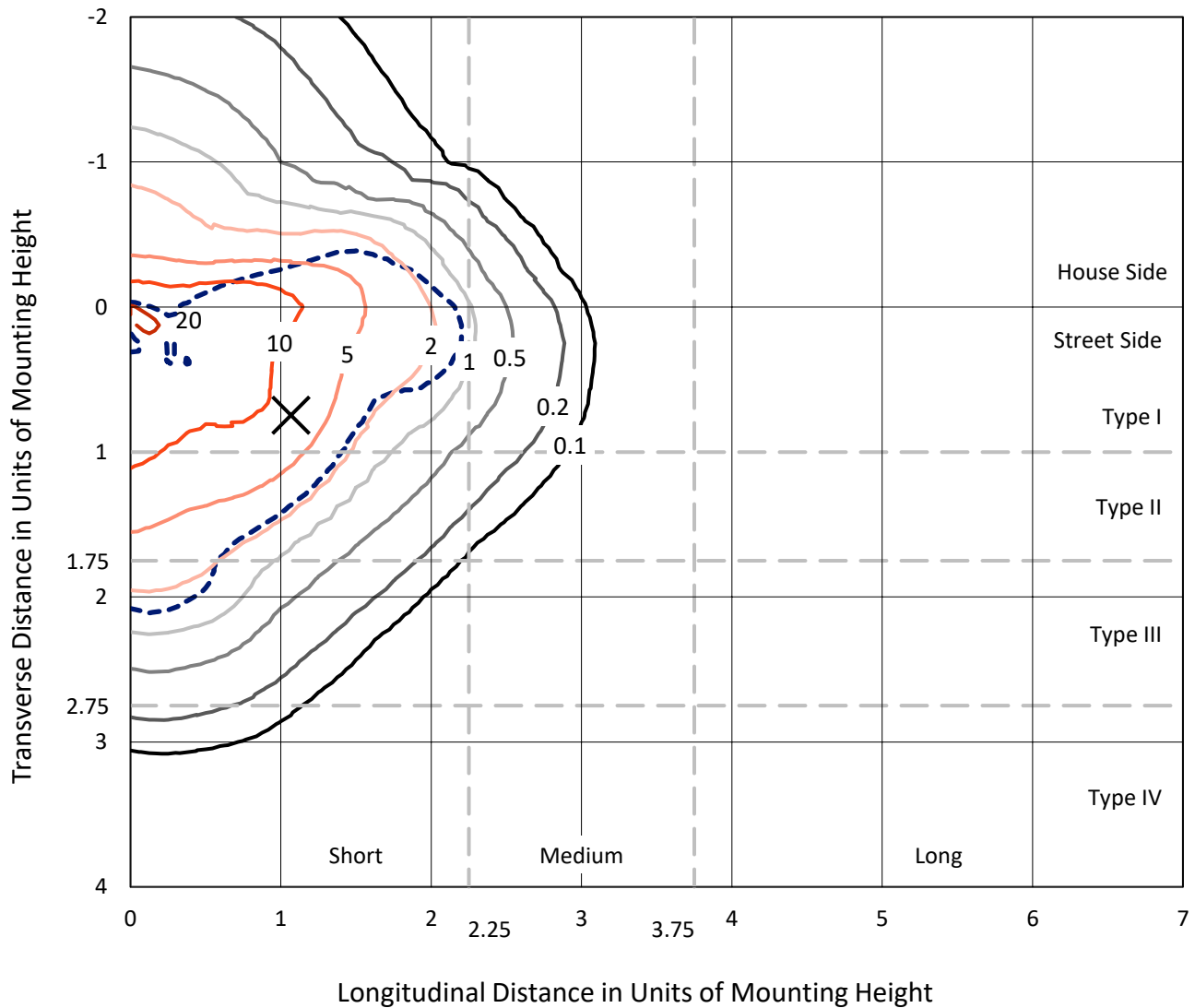


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Iso-Footcandle Lines of Horizontal Illumination

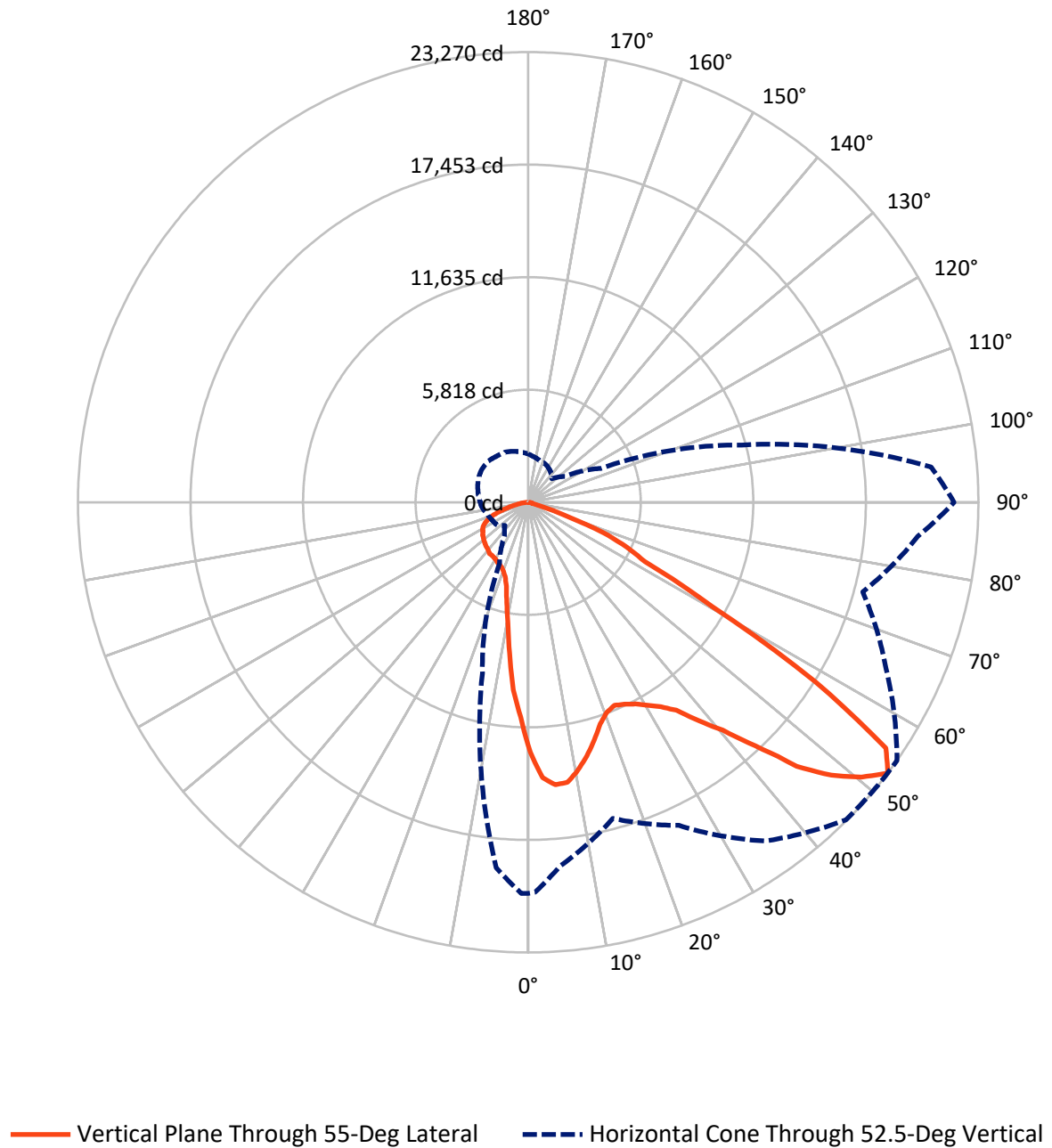
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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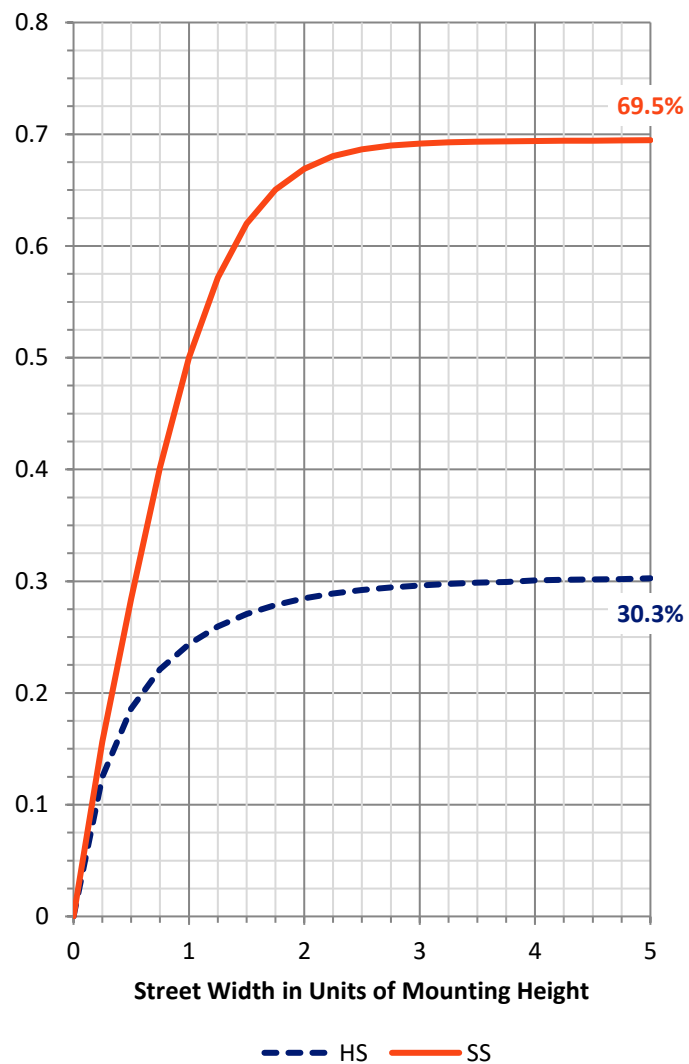
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8840.8	0.0	8840.8
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	20140.2	0.0	20140.2
	% Fixture	69.5	0.0	69.5
Total	Lumens	28981.0	0.0	28981.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	987.7	3.4
10°-20°	2129.5	7.3
20°-30°	3229.0	11.1
30°-40°	4665.5	16.1
40°-50°	6234.3	21.5
50°-60°	6958.9	24.0
60°-70°	3817.3	13.2
70°-80°	825.3	2.8
80°-90°	133.5	0.5
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°	28981.0	100.0
0°-180°	28981.0	100.0

Coefficient of Utilization



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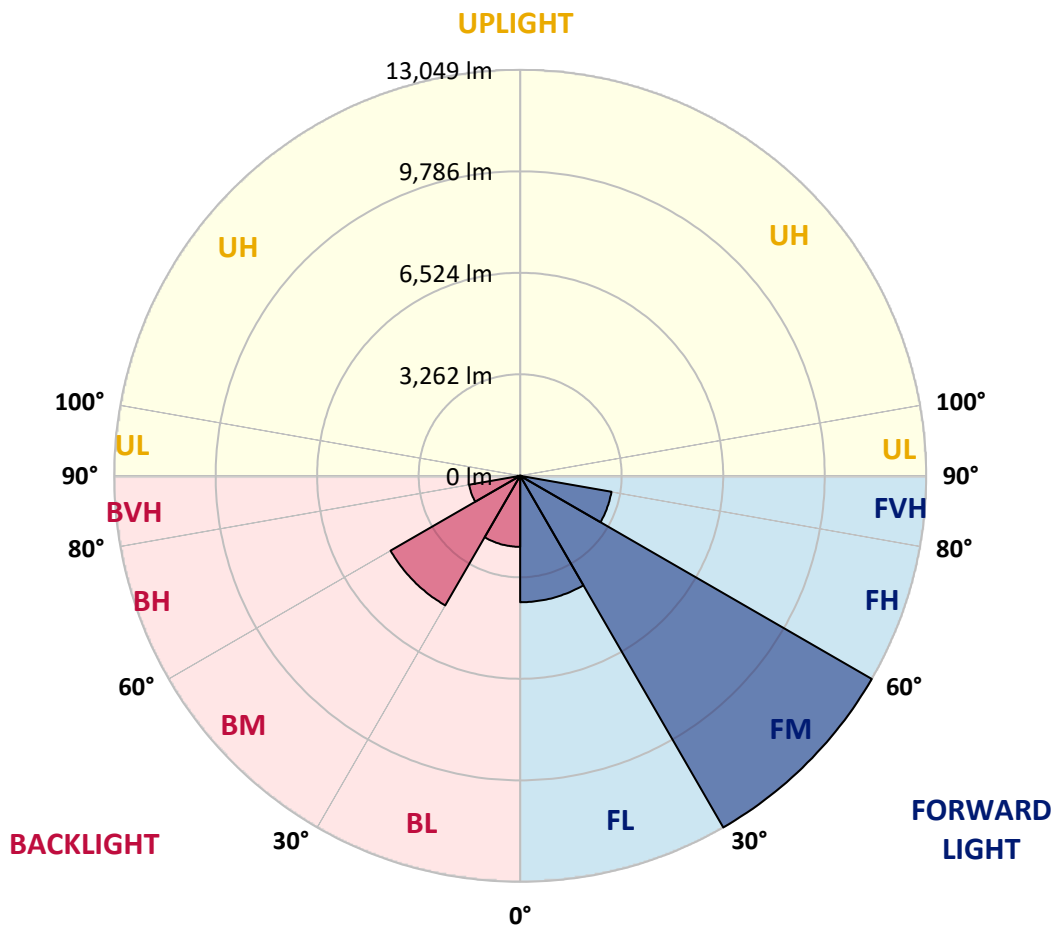
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4063.7	14.0			
FM	(30°-60°)	13048.6	45.0			
FH	(60°-80°)	2978.5	10.3			G2/5000
FVH	(80°-90°)	49.4	0.2			G1/100
BL	(0°-30°)	2282.6	7.9	B3/2500		
BM	(30°-60°)	4810.1	16.6	B3/5000		
BH	(60°-80°)	1664.0	5.7	B3/2500		G3/2500
BVH	(80°-90°)	84.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8
2.5°	13566.8	13490.6	13558.3	13879.9	14066.1	14193.0	14273.4	14260.7	13956.1	13659.8	13659.8
5°	13169.0	13071.6	13211.3	13939.1	14671.2	14734.7	14840.5	14667.0	14218.4	13676.8	12999.7
7.5°	12018.0	12089.9	12322.6	13279.0	14231.1	14709.3	14836.3	14616.2	13888.4	12877.0	11882.5
10°	11023.5	11192.8	11730.2	12762.7	13638.7	14260.7	14400.4	14091.5	13516.0	12276.1	11387.4
12.5°	10680.7	10575.0	11171.6	12204.2	13042.0	13376.3	13439.8	13461.0	13071.6	11971.4	10888.1
15°	10638.4	10706.1	11171.6	11954.5	12470.7	12487.7	12593.5	12758.5	12809.3	12178.8	11120.8
17.5°	11247.8	11167.4	11645.6	12267.6	12022.2	11776.8	11802.1	12039.1	12458.1	12356.5	11852.9
20°	12149.1	12331.1	12707.7	12644.2	11984.1	11362.0	11366.3	11590.6	12415.7	13092.8	12872.8
22.5°	13647.2	13824.9	14104.2	13338.2	11984.1	11239.3	11095.5	11400.1	12686.6	13968.8	14023.8
25°	15014.0	15339.8	15416.0	14514.6	12585.0	11353.6	11260.5	11560.9	12957.4	14823.6	15344.1
27.5°	16258.1	16376.6	16710.9	15272.1	12919.3	11429.8	11421.3	11806.4	13300.2	15251.0	16524.7
30°	17239.8	17227.1	17417.6	15750.3	13452.5	11857.2	11446.7	12174.5	13748.7	15957.6	17616.5
32.5°	17908.4	18052.3	18454.3	16414.7	13676.8	12263.4	11941.8	12606.2	14294.6	16291.9	18386.6
35°	19084.9	19334.5	18826.7	16782.8	14387.7	12665.4	12288.8	13194.4	14565.4	16655.9	19330.3
37.5°	20193.6	20003.1	19486.9	16981.7	14848.9	13410.2	13058.9	14332.7	15407.5	17447.2	19956.6
40°	20904.5	20900.2	19982.0	17142.5	15174.8	14548.5	14527.3	15487.9	16440.1	17946.5	20659.0
42.5°	21213.4	21509.6	20185.1	17125.6	15860.3	15928.0	16355.4	17214.5	17172.1	18048.1	20642.1
44°	21636.6	21814.3	20536.3	17163.7	16317.3	16859.0	17866.1	18412.0	17811.1	17993.1	20621.0
45°	21619.6	21632.3	20037.0	17214.5	16706.7	17637.6	18539.0	19461.5	18373.9	17874.6	20900.2
47.5°	21124.5	20980.6	19613.8	16837.8	17921.1	19694.2	20527.9	21086.4	19067.9	17620.7	20553.2
50°	20147.0	19982.0	18585.5	16677.0	18175.0	20972.2	22123.2	22326.3	19698.4	17371.0	20210.5
52.5°	20214.7	20168.2	18877.5	16918.2	18428.9	21374.2	23219.2	23270.0	20413.6	17895.8	20214.7
55°	21425.0	21264.2	19715.4	17218.7	18242.8	20904.5	22521.0	22432.1	20172.4	17578.4	20587.1
57.5°	19605.4	19711.1	18555.9	16029.6	15966.1	16994.4	17705.3	17485.3	16833.6	15864.6	19152.6
60°	15818.0	16118.5	16228.5	13405.9	12047.6	11518.6	11307.0	10917.7	11027.7	13033.6	16825.1
62.5°	13566.8	13549.8	14239.6	12153.4	7892.1	6787.6	6686.0	6774.9	8044.4	12830.4	16478.1
65°	10756.9	11044.7	11256.3	10299.9	6246.0	5039.9	5035.7	5598.5	6961.1	10723.1	13304.4
67.5°	6829.9	7206.5	7468.9	6588.7	4176.7	3588.5	3491.1	4168.2	4824.1	7033.0	8010.6
70°	3850.8	4028.6	4147.0	3800.0	2657.5	1861.9	1751.9	1912.7	2915.6	4553.3	4747.9
72.5°	1485.3	1565.7	1726.5	1739.2	1002.9	600.9	486.6	584.0	1227.2	1802.7	1718.1
75°	228.5	245.4	347.0	414.7	287.8	220.0	232.7	241.2	342.8	465.5	389.3
77.5°	110.0	110.0	105.8	122.7	143.9	156.6	169.3	186.2	203.1	224.3	215.8
80°	71.9	71.9	71.9	84.6	105.8	127.0	143.9	152.3	160.8	177.7	169.3
82.5°	46.5	46.5	46.5	63.5	84.6	105.8	114.3	135.4	152.3	177.7	165.0
85°	25.4	25.4	25.4	42.3	63.5	88.9	84.6	67.7	38.1	4.2	8.5
87.5°	8.5	8.5	8.5	8.5	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°	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8
2.5°	13304.4	13109.7	13092.8	12695.0	12339.6	12166.1	12026.4	11637.1	11721.7	11497.5	11493.2
5°	12661.2	12263.4	11620.2	11091.2	10562.3	10456.5	9995.2	9593.2	9605.9	9318.1	9368.9
7.5°	11505.9	11230.9	10448.0	9618.6	8916.1	8416.8	7980.9	7718.6	7384.3	7270.0	7210.8
10°	10773.8	10435.3	9555.1	8514.1	7727.0	7460.4	7041.5	6808.8	6466.0	6296.7	6178.2
12.5°	10452.2	9957.1	8856.9	7799.0	7274.2	6999.2	6643.7	6220.6	5814.3	5657.7	5441.9
15°	10486.1	9893.7	8653.8	7511.2	6880.7	6347.5	6030.1	5560.4	5145.7	4870.7	4714.1
17.5°	10998.1	10278.7	8746.9	7291.2	6385.6	5717.0	5094.9	4587.1	4257.1	4049.7	3998.9
20°	12208.4	11230.9	8903.4	6935.7	5890.5	5056.9	4290.9	3762.0	3508.1	3503.8	3508.1
22.5°	13215.5	12246.5	9220.8	6724.1	5395.4	4210.5	3448.8	3279.5	3228.8	3334.6	3347.3
25°	14573.9	13389.0	9766.7	6614.1	4938.4	3588.5	3118.7	3055.3	3051.0	3186.5	3190.7
27.5°	15966.1	14387.7	10092.5	6292.5	4472.9	3266.9	2919.9	2907.2	2974.9	3118.7	3106.0
30°	16914.0	15225.6	10680.7	5907.4	3922.8	2983.3	2839.5	2856.4	2949.5	3059.5	3076.4
32.5°	18018.5	16050.7	10833.1	5695.8	3584.2	2746.4	2644.8	2682.9	2801.4	2974.9	3068.0
35°	19283.7	16634.7	11065.8	5408.1	3457.3	2564.4	2513.6	2555.9	2699.8	2814.1	2915.6
37.5°	20218.9	17667.2	11108.1	5183.8	3317.6	2462.8	2382.4	2522.1	2606.7	2767.5	2818.3
40°	20912.9	18416.3	11218.2	5044.2	3207.6	2331.7	2331.7	2424.7	2539.0	2687.1	2788.7
42.5°	21357.3	18962.1	11298.6	4917.2	2996.0	2293.6	2272.4	2365.5	2517.8	2661.7	2708.3
44°	21628.1	19194.9	11218.2	4798.7	2936.8	2247.0	2247.0	2327.4	2445.9	2615.2	2670.2
45°	21695.8	19486.9	11040.4	4794.5	2864.8	2192.0	2183.5	2335.9	2416.3	2623.6	2657.5
47.5°	21958.2	19846.6	11061.6	4659.1	2691.3	2060.8	2208.9	2276.6	2348.6	2530.5	2644.8
50°	21949.7	20070.8	11015.1	4460.2	2564.4	1912.7	2158.2	2234.3	2306.3	2492.5	2539.0
52.5°	22008.9	20908.7	11442.4	4142.8	2335.9	1722.3	1988.9	2158.2	2247.0	2403.6	2500.9
55°	21979.3	21386.9	11865.6	3905.8	2014.3	1608.0	1845.0	2043.9	2170.8	2335.9	2382.4
57.5°	20075.1	18902.9	10981.2	3461.5	1667.3	1472.6	1641.9	1925.4	2086.2	2255.5	2314.7
60°	16402.0	14569.7	9055.8	2547.5	1371.1	1354.1	1527.6	1887.3	1955.0	2103.1	2204.7
62.5°	15157.9	12779.7	7181.2	1946.6	1172.2	1239.9	1409.1	1705.4	1811.2	1993.1	2086.2
65°	11861.4	8488.7	4447.5	1316.1	1032.5	1112.9	1273.7	1493.8	1667.3	1836.5	1946.6
67.5°	7024.6	4637.9	2200.5	922.5	901.3	986.0	1151.0	1316.1	1514.9	1701.1	1756.1
70°	3825.4	2280.9	939.4	702.5	765.9	842.1	1002.9	1117.2	1307.6	1451.5	1544.6
72.5°	1227.2	694.0	469.7	520.5	584.0	672.8	770.2	909.8	1045.2	1129.9	1206.0
75°	296.2	292.0	334.3	363.9	423.2	490.9	571.3	643.2	749.0	829.4	897.1
77.5°	207.4	224.3	258.1	300.4	321.6	347.0	397.8	452.8	499.3	558.6	600.9
80°	160.8	173.5	198.9	220.0	241.2	262.4	287.8	308.9	338.5	376.6	397.8
82.5°	152.3	160.8	186.2	198.9	190.4	186.2	203.1	211.6	215.8	228.5	241.2
85°	12.7	0.0	8.5	29.6	71.9	105.8	114.3	114.3	110.0	118.5	118.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	16.9	12.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8
2.5°	11442.4	11298.6	11353.6	11421.3	11324.0	11099.7	11158.9	11133.5	11362.0	11345.1	11573.6
5°	9593.2	9368.9	9394.3	9724.4	9618.6	9732.9	9504.3	9474.7	9517.0	9538.2	9576.3
7.5°	7342.0	7312.3	7566.2	7845.5	7976.7	7841.3	7617.0	7566.2	7519.7	7426.6	7638.2
10°	5992.1	6000.5	5983.6	6195.2	6343.3	6313.7	6178.2	6161.3	6072.5	6038.6	6157.1
12.5°	5348.8	5234.6	5179.6	5111.9	5226.1	5302.3	5243.0	5200.7	5205.0	5247.3	5264.2
15°	4726.8	4654.8	4536.4	4460.2	4515.2	4477.1	4456.0	4540.6	4519.4	4511.0	4612.5
17.5°	4028.6	4087.8	4079.3	3994.7	4066.6	4037.0	4032.8	3973.5	3893.1	3833.9	3867.8
20°	3567.3	3677.3	3762.0	3766.2	3804.3	3800.0	3736.6	3554.6	3495.4	3482.7	3491.1
22.5°	3402.3	3461.5	3563.1	3706.9	3706.9	3639.2	3563.1	3351.5	3296.5	3237.2	3211.8
25°	3271.1	3385.3	3516.5	3533.4	3601.2	3537.7	3415.0	3309.2	3194.9	3114.5	3114.5
27.5°	3203.4	3330.3	3427.7	3457.3	3550.4	3499.6	3372.6	3237.2	3101.8	3097.6	3025.6
30°	3173.8	3292.2	3355.7	3427.7	3470.0	3389.6	3351.5	3207.6	3072.2	3038.3	2919.9
32.5°	3084.9	3254.2	3372.6	3355.7	3389.6	3355.7	3300.7	3182.2	3029.9	2953.7	2941.0
35°	2983.3	3152.6	3279.5	3368.4	3389.6	3317.6	3283.8	3123.0	2915.6	2877.5	2746.4
37.5°	2928.3	3029.9	3186.5	3330.3	3360.0	3321.9	3207.6	3042.6	2835.2	2792.9	2678.7
40°	2860.6	2991.8	3114.5	3233.0	3321.9	3228.8	3097.6	2936.8	2843.7	2716.7	2682.9
42.5°	2809.8	2957.9	3059.5	3190.7	3292.2	3169.5	3017.2	2907.2	2776.0	2691.3	2594.0
44°	2792.9	2928.3	2996.0	3156.8	3241.5	3148.4	3021.4	2907.2	2754.8	2678.7	2594.0
45°	2733.7	2919.9	2991.8	3135.7	3207.6	3131.4	2970.6	2856.4	2746.4	2653.3	2564.4
47.5°	2674.4	2801.4	2924.1	3038.3	3089.1	3063.7	2928.3	2788.7	2657.5	2602.5	2517.8
50°	2657.5	2784.4	2898.7	3004.5	3063.7	3013.0	2890.2	2754.8	2602.5	2513.6	2441.7
52.5°	2572.9	2729.4	2856.4	2890.2	2966.4	2936.8	2843.7	2695.6	2551.7	2475.5	2416.3
55°	2450.1	2615.2	2788.7	2831.0	2941.0	2894.5	2754.8	2615.2	2492.5	2378.2	2302.0
57.5°	2403.6	2564.4	2733.7	2788.7	2856.4	2780.2	2746.4	2598.2	2403.6	2344.3	2225.9
60°	2285.1	2488.2	2627.9	2754.8	2759.1	2737.9	2678.7	2509.4	2348.6	2238.6	2153.9
62.5°	2192.0	2382.4	2492.5	2610.9	2682.9	2623.6	2564.4	2407.8	2234.3	2111.6	2014.3
65°	2056.6	2230.1	2323.2	2395.1	2475.5	2467.1	2365.5	2251.3	2069.3	1972.0	1878.9
67.5°	1849.2	2001.6	2128.5	2196.2	2247.0	2234.3	2158.2	2077.8	1891.6	1794.2	1726.5
70°	1599.6	1756.1	1836.5	1874.6	1925.4	1950.8	1891.6	1853.5	1688.4	1561.5	1498.0
72.5°	1286.4	1388.0	1506.5	1540.3	1561.5	1578.4	1578.4	1544.6	1375.3	1324.5	1214.5
75°	947.9	1028.3	1117.2	1117.2	1155.2	1159.5	1167.9	1146.8	1019.8	952.1	926.7
77.5°	643.2	702.5	774.4	804.0	829.4	825.2	820.9	761.7	694.0	664.4	639.0
80°	418.9	478.2	512.0	550.1	575.5	571.3	579.7	537.4	507.8	457.0	465.5
82.5°	249.7	296.2	330.1	376.6	376.6	389.3	389.3	376.6	347.0	321.6	321.6
85°	118.5	156.6	177.7	207.4	224.3	228.5	203.1	173.5	143.9	131.2	143.9
87.5°	21.2	29.6	42.3	38.1	46.5	42.3	42.3	42.3	42.3	33.9	38.1
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°	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8	12927.8
2.5°	11489.0	11700.6	11848.7	12094.1	12517.3	12855.8	13202.8	13461.0	13490.6	13566.8
5°	9715.9	9830.2	10206.8	10697.7	11044.7	11615.9	11984.1	12652.7	12902.4	13169.0
7.5°	7587.4	7773.6	8277.2	8607.2	9368.9	10084.1	10824.6	11649.8	11979.9	12018.0
10°	6398.3	6669.1	7011.9	7540.8	7955.5	8751.1	9673.6	10591.9	10960.0	11023.5
12.5°	5619.7	5966.7	6423.7	6804.5	7202.3	7896.3	8780.7	9914.8	10393.0	10680.7
15°	4870.7	5230.4	5733.9	6262.9	6614.1	7443.5	8484.5	9762.5	10384.5	10638.4
17.5°	4100.5	4434.8	4849.5	5420.8	6127.5	7058.4	8438.0	10270.3	10951.6	11247.8
20°	3440.4	3626.5	4109.0	4697.2	5581.6	6664.9	8454.9	11019.3	12018.0	12149.1
22.5°	3182.2	3224.5	3415.0	3956.6	4925.7	6262.9	8755.3	12081.4	13215.5	13647.2
25°	2983.3	2974.9	3025.6	3389.6	4447.5	6106.3	9051.6	13058.9	14544.3	15014.0
27.5°	2873.3	2788.7	2792.9	3135.7	4109.0	5852.4	9432.4	14180.3	16050.7	16258.1
30°	2818.3	2801.4	2750.6	2890.2	3740.8	5471.6	9495.9	15284.8	16939.4	17239.8
32.5°	2784.4	2619.4	2555.9	2606.7	3393.8	5056.9	9732.9	16012.7	18039.6	17908.4
35°	2615.2	2467.1	2424.7	2475.5	3148.4	4824.1	9576.3	16647.4	18864.8	19084.9
37.5°	2551.7	2420.5	2335.9	2293.6	2919.9	4629.5	9495.9	17624.9	19664.6	20193.6
40°	2492.5	2352.8	2251.3	2208.9	2742.1	4371.3	9470.5	18378.2	20587.1	20904.5
42.5°	2424.7	2335.9	2221.6	2145.5	2526.3	4113.2	9178.5	18610.9	20870.6	21213.4
44°	2403.6	2268.2	2149.7	2124.3	2441.7	3982.0	9119.3	18822.5	21116.1	21636.6
45°	2382.4	2255.5	2120.1	2086.2	2412.1	3910.1	9038.9	18873.3	21522.3	21619.6
47.5°	2323.2	2242.8	2111.6	2018.5	2348.6	3753.5	8797.7	18585.5	21107.6	21124.5
50°	2276.6	2183.5	2048.1	1866.2	2263.9	3622.3	8907.7	18479.7	20108.9	20147.0
52.5°	2225.9	2086.2	2010.0	1696.9	2124.3	3512.3	9140.4	18957.9	20223.2	20214.7
55°	2166.6	2014.3	1828.1	1553.0	1891.6	3372.6	9703.2	19901.6	21281.1	21425.0
57.5°	2073.5	1942.3	1675.7	1426.1	1625.0	3106.0	9521.3	18094.6	19580.0	19605.4
60°	1950.8	1828.1	1519.2	1328.7	1333.0	2450.1	8514.1	14099.9	15449.8	15818.0
62.5°	1832.3	1764.6	1388.0	1189.1	1134.1	1950.8	7198.1	11717.5	13262.1	13566.8
65°	1692.7	1527.6	1273.7	1083.3	973.3	1366.8	5099.2	8755.3	10346.4	10756.9
67.5°	1514.9	1337.2	1121.4	952.1	833.6	914.0	2632.1	4976.5	6588.7	6829.9
70°	1324.5	1159.5	943.7	804.0	672.8	630.5	1159.5	2374.0	3601.2	3850.8
72.5°	1087.5	935.2	753.2	634.8	503.6	435.9	389.3	634.8	1278.0	1485.3
75°	787.1	681.3	567.0	452.8	355.5	279.3	228.5	190.4	211.6	228.5
77.5°	579.7	495.1	418.9	321.6	249.7	198.9	156.6	118.5	114.3	110.0
80°	452.8	402.0	334.3	258.1	194.7	148.1	110.0	80.4	71.9	71.9
82.5°	355.5	330.1	275.1	211.6	160.8	118.5	80.4	55.0	46.5	46.5
85°	135.4	135.4	198.9	173.5	122.7	84.6	55.0	29.6	25.4	25.4
87.5°	33.9	33.9	33.9	33.9	29.6	25.4	25.4	12.7	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)