

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: P649535

Luminaire Tested: **GLAN-SA7D-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649535
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: STREETWORKS
Catalog Number: GLAN-SA7D-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1200mA 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: 31421 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

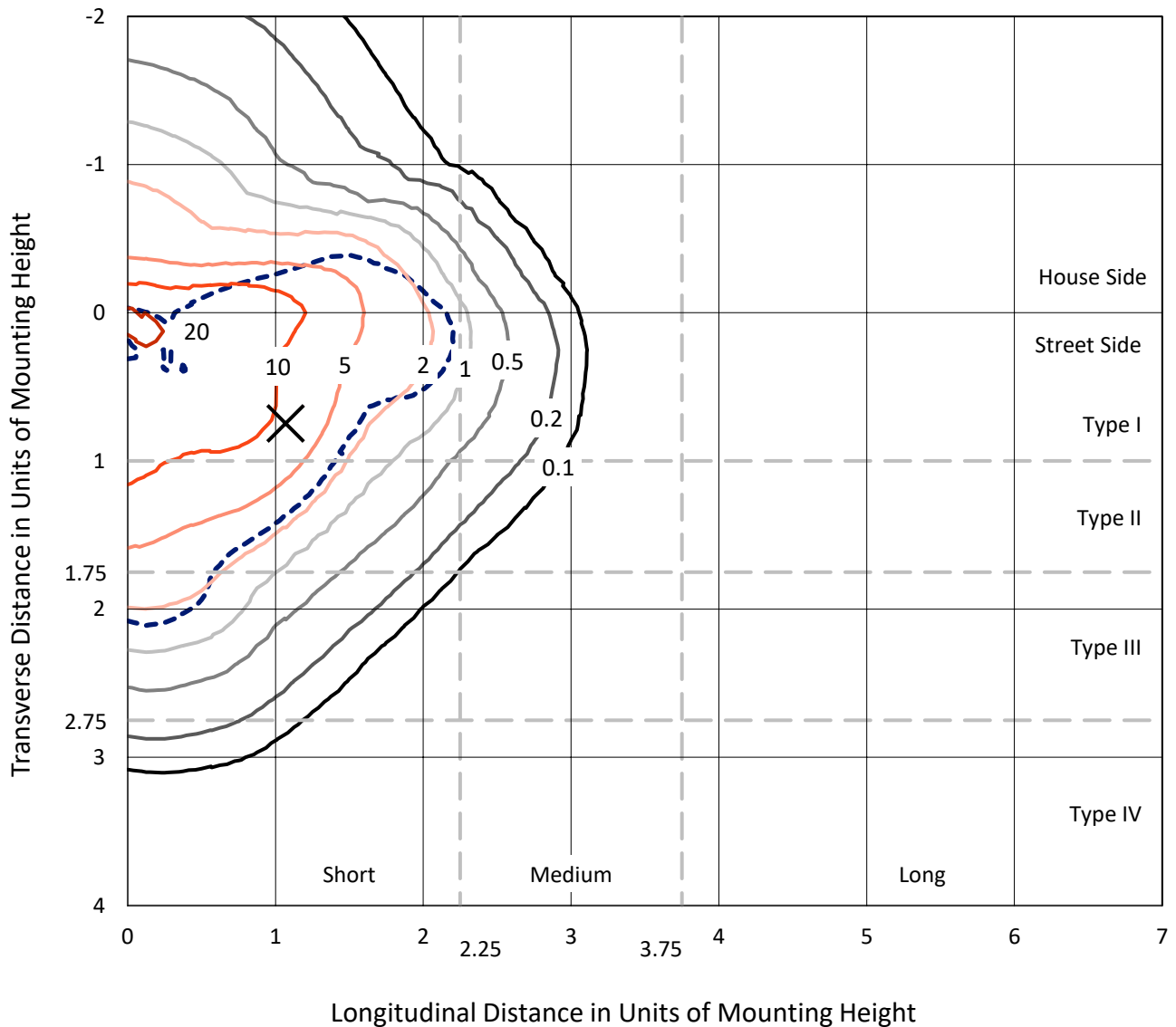
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

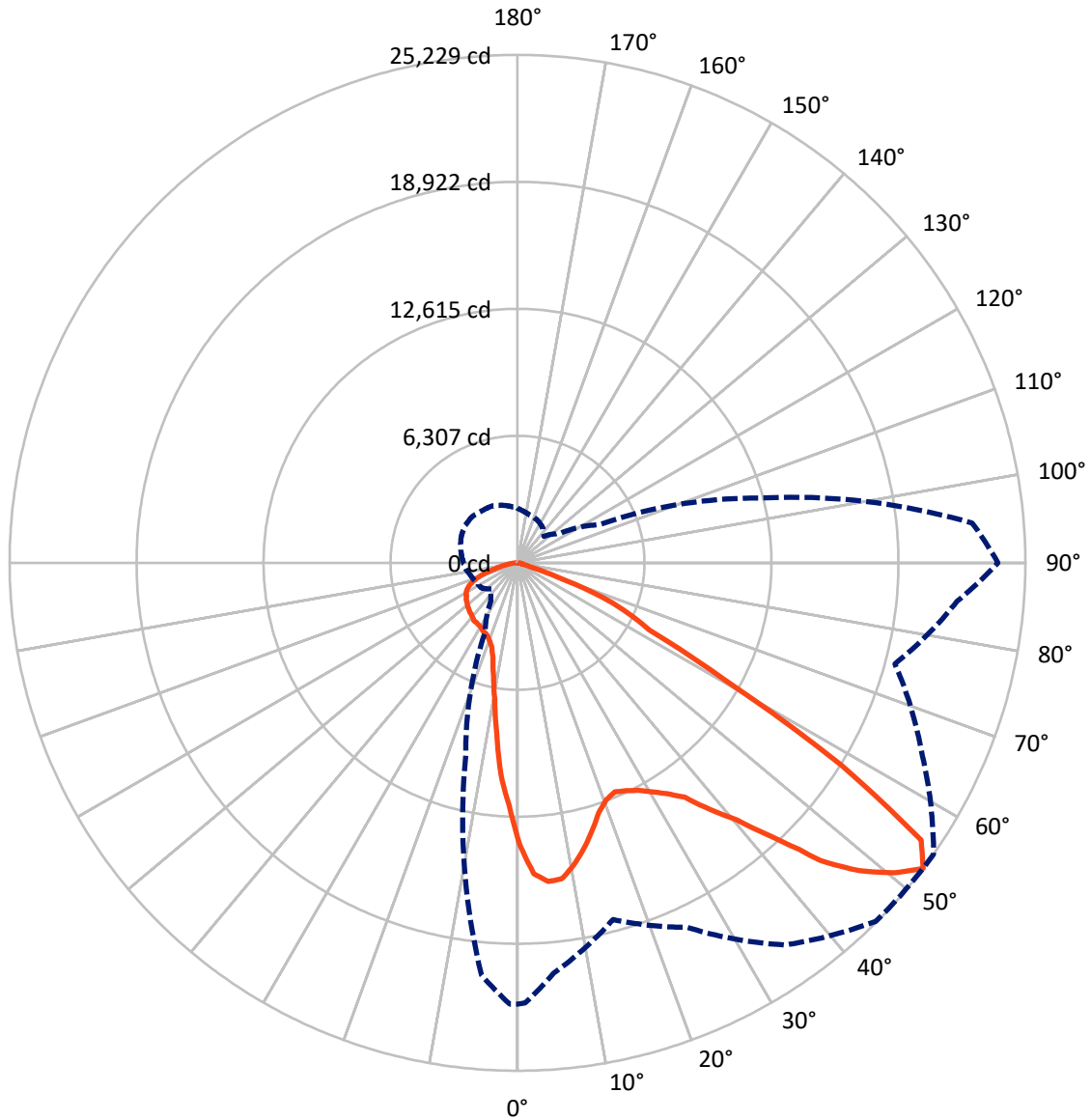
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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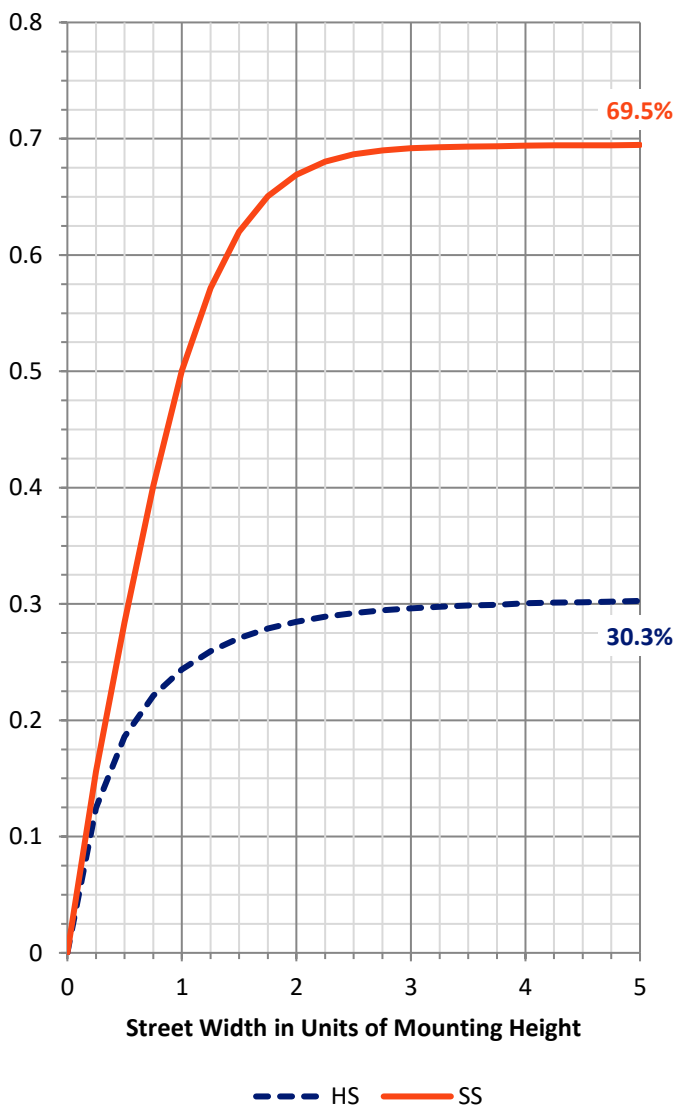
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9585.1	0.0	9585.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	21835.9	0.0	21835.9
	% Fixture	69.5	0.0	69.5
Total	Lumens	31421.0	0.0	31421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1070.8	3.4
10°-20°	2308.8	7.3
20°-30°	3500.9	11.1
30°-40°	5058.3	16.1
40°-50°	6759.2	21.5
50°-60°	7544.8	24.0
60°-70°	4138.7	13.2
70°-80°	894.8	2.8
80°-90°	144.8	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°	31421.0	100.0
0°-180°	31421.0	100.0

Coefficient of Utilization

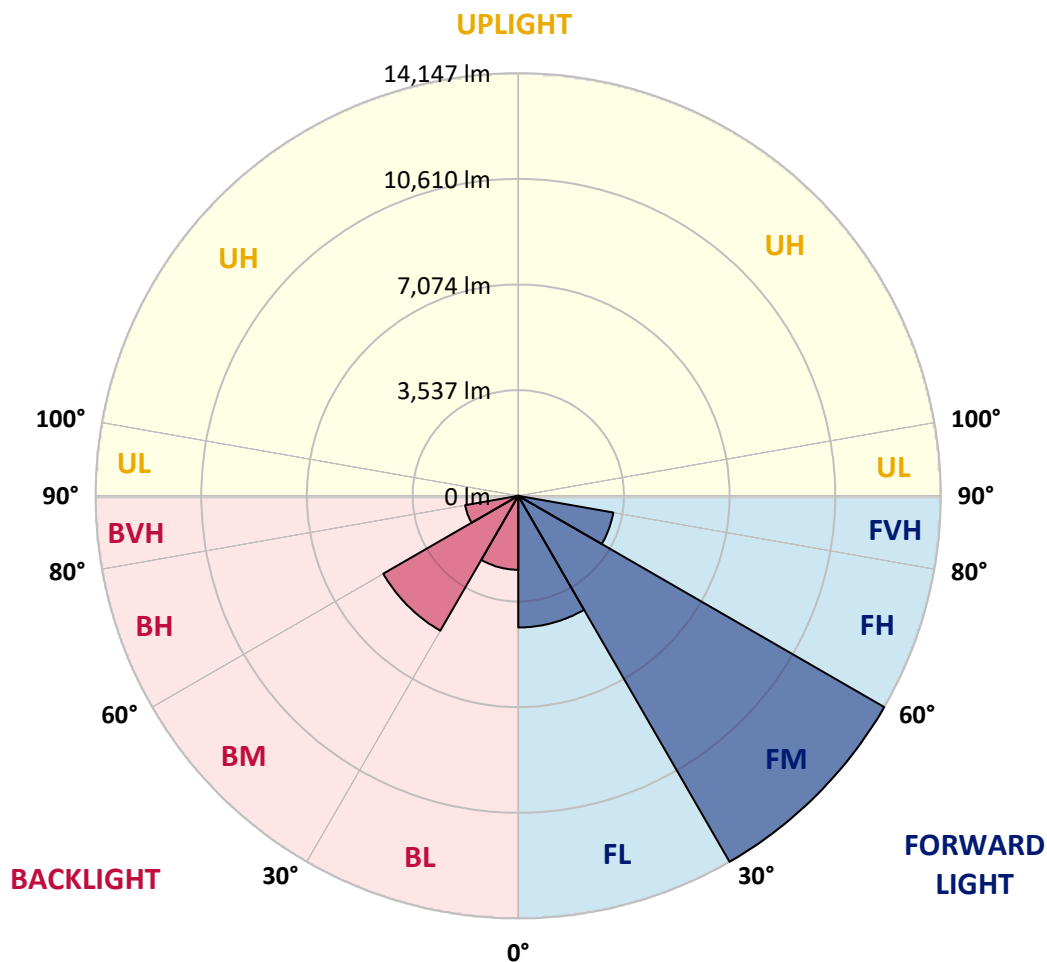


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4405.8	14.0			
FM (30°-60°)	14147.2	45.0			
FH (60°-80°)	3229.3	10.3			G2/5000
FVH (80°-90°)	53.6	0.2			G1/100
BL (0°-30°)	2474.7	7.9	B3/2500		
BM (30°-60°)	5215.1	16.6	B4/8500		
BH (60°-80°)	1804.1	5.7	B3/2500		G3/2500
BVH (80°-90°)	91.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2
2.5°	14709.0	14626.4	14699.8	15048.5	15250.3	15388.0	15475.1	15461.4	15131.1	14809.9	14809.9
5°	14277.7	14172.2	14323.6	15112.7	15906.4	15975.2	16089.9	15901.9	15415.5	14828.3	14094.2
7.5°	13029.8	13107.8	13360.1	14397.0	15429.3	15947.8	16085.4	15846.8	15057.6	13961.1	12883.0
10°	11951.6	12135.2	12717.8	13837.3	14787.0	15461.4	15612.8	15277.9	14653.9	13309.7	12346.2
12.5°	11580.0	11465.3	12112.2	13231.7	14140.0	14502.5	14571.3	14594.3	14172.2	12979.3	11804.8
15°	11534.1	11607.5	12112.2	12961.0	13520.7	13539.1	13653.7	13832.7	13887.8	13204.1	12057.2
17.5°	12194.8	12107.6	12626.0	13300.5	13034.4	12768.3	12795.8	13052.8	13506.9	13396.8	12850.8
20°	13172.0	13369.3	13777.6	13708.8	12993.1	12318.6	12323.2	12566.4	13461.0	14195.2	13956.6
22.5°	14796.1	14988.8	15291.7	14461.2	12993.1	12185.6	12029.6	12360.0	13754.6	15144.9	15204.5
25°	16278.0	16631.3	16713.9	15736.7	13644.6	12309.5	12208.5	12534.3	14048.4	16071.6	16635.9
27.5°	17626.9	17755.4	18117.8	16557.9	14007.0	12392.1	12382.9	12800.4	14420.0	16535.0	17916.0
30°	18691.3	18677.5	18884.0	17076.4	14585.1	12855.5	12410.4	13199.6	14906.3	17301.2	19099.6
32.5°	19416.2	19572.2	20008.1	17796.7	14828.3	13295.9	12947.2	13667.5	15498.1	17663.6	19934.6
35°	20691.6	20962.4	20411.8	18195.8	15599.1	13731.8	13323.4	14305.3	15791.7	18058.2	20957.8
37.5°	21893.7	21687.2	21127.5	18411.5	16099.1	14539.2	14158.4	15539.4	16704.8	18916.1	21636.8
40°	22664.5	22659.9	21664.4	18585.8	16452.4	15773.4	15750.4	16791.9	17824.2	19457.6	22398.4
42.5°	22999.5	23320.6	21884.5	18567.4	17195.6	17269.1	17732.4	18663.8	18617.9	19567.6	22380.0
44°	23458.2	23650.9	22265.3	18608.8	17691.2	18278.4	19370.3	19962.2	19310.7	19508.0	22357.1
45°	23439.9	23453.6	21723.9	18663.8	18113.2	19122.6	20099.8	21100.0	19920.9	19379.5	22659.9
47.5°	22903.1	22747.1	21265.2	18255.5	19430.0	21352.3	22256.1	22861.8	20673.3	19104.3	22283.7
50°	21843.3	21664.4	20150.3	18081.1	19705.3	22737.9	23985.8	24206.1	21357.0	18833.6	21912.1
52.5°	21916.6	21866.2	20466.8	18342.6	19980.5	23173.7	25174.1	25229.1	22132.3	19402.4	21916.6
55°	23228.8	23054.5	21375.3	18668.4	19778.7	22664.5	24417.1	24320.8	21870.8	19058.4	22320.4
57.5°	21256.0	21370.7	20118.2	17379.2	17310.3	18425.2	19196.0	18957.4	18250.9	17200.2	20765.1
60°	17149.7	17475.5	17594.8	14534.7	13061.9	12488.4	12259.0	11836.9	11956.2	14130.9	18241.7
62.5°	14709.0	14690.6	15438.5	13176.6	8556.5	7359.1	7248.9	7345.3	8721.7	13910.7	17865.5
65°	11662.6	11974.6	12204.0	11167.1	6771.9	5464.2	5459.7	6069.9	7547.2	11625.9	14424.5
67.5°	7405.0	7813.3	8097.7	7143.5	4528.3	3890.6	3785.1	4519.2	5230.3	7625.2	8685.0
70°	4175.0	4367.7	4496.2	4120.0	2881.2	2018.7	1899.4	2073.8	3161.1	4936.7	5147.7
72.5°	1610.4	1697.5	1871.9	1885.6	1087.4	651.5	527.6	633.1	1330.5	1954.4	1862.7
75°	247.7	266.1	376.2	449.6	311.9	238.6	252.4	261.5	371.6	504.6	422.1
77.5°	119.3	119.3	114.7	133.0	156.0	169.8	183.5	201.9	220.3	243.2	234.0
80°	78.0	78.0	78.0	91.8	114.7	137.7	156.0	165.1	174.4	192.7	183.5
82.5°	50.5	50.5	50.5	68.8	91.8	114.7	123.9	146.8	165.1	192.7	178.9
85°	27.6	27.6	27.6	45.9	68.8	96.3	91.8	73.4	41.3	4.6	9.2
87.5°	9.2	9.2	9.2	9.2	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°	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2
2.5°	14424.5	14213.5	14195.2	13763.9	13378.5	13190.3	13039.0	12616.9	12708.6	12465.4	12460.9
5°	13727.2	13295.9	12598.5	12025.0	11451.5	11336.8	10836.7	10400.9	10414.7	10102.7	10157.7
7.5°	12474.7	12176.4	11327.7	10428.4	9666.8	9125.5	8652.9	8368.4	8006.0	7882.1	7817.9
10°	11681.0	11313.9	10359.6	9230.9	8377.6	8088.5	7634.3	7382.0	7010.4	6826.9	6698.4
12.5°	11332.3	10795.5	9602.6	8455.6	7886.7	7588.4	7203.1	6744.3	6303.9	6134.1	5900.1
15°	11368.9	10726.6	9382.4	8143.6	7460.0	6881.9	6537.8	6028.6	5579.0	5280.7	5111.0
17.5°	11924.1	11144.1	9483.3	7905.0	6923.2	6198.3	5523.9	4973.4	4615.5	4390.7	4335.6
20°	13236.2	12176.4	9653.1	7519.6	6386.5	5482.6	4652.2	4078.7	3803.4	3798.8	3803.4
22.5°	14328.2	13277.6	9997.2	7290.3	5849.6	4565.0	3739.2	3555.7	3500.6	3615.3	3629.0
25°	15800.9	14516.3	10589.0	7170.9	5354.2	3890.6	3381.3	3312.5	3307.9	3454.8	3459.3
27.5°	17310.3	15599.1	10942.3	6822.3	4849.4	3541.9	3165.7	3151.9	3225.3	3381.3	3367.5
30°	18338.0	16507.4	11580.0	6404.8	4253.0	3234.5	3078.5	3096.8	3197.8	3317.1	3335.4
32.5°	19535.5	17402.1	11745.2	6175.4	3886.0	2977.6	2867.5	2908.8	3037.3	3225.3	3326.3
35°	20907.3	18035.2	11997.5	5863.4	3748.4	2780.3	2725.2	2771.1	2927.1	3051.0	3161.1
37.5°	21921.3	19154.7	12043.4	5620.2	3596.9	2670.2	2583.0	2734.4	2826.2	3000.5	3055.6
40°	22673.6	19966.8	12162.7	5468.9	3477.7	2528.0	2528.0	2628.9	2752.8	2913.4	3023.5
42.5°	23155.4	20558.6	12249.8	5331.2	3248.3	2486.7	2463.7	2564.6	2729.9	2885.8	2936.3
44°	23449.0	20811.0	12162.7	5202.7	3184.1	2436.2	2436.2	2523.4	2651.9	2835.3	2895.0
45°	23522.4	21127.5	11970.0	5198.2	3106.1	2376.6	2367.4	2532.5	2619.7	2844.6	2881.2
47.5°	23806.9	21517.5	11992.9	5051.4	2917.9	2234.4	2394.9	2468.3	2546.3	2743.6	2867.5
50°	23797.7	21760.7	11942.5	4835.7	2780.3	2073.8	2339.8	2422.4	2500.4	2702.3	2752.8
52.5°	23861.9	22669.1	12405.9	4491.6	2532.5	1867.3	2156.3	2339.8	2436.2	2606.0	2711.5
55°	23829.8	23187.5	12864.6	4234.7	2183.9	1743.4	2000.3	2216.0	2353.6	2532.5	2583.0
57.5°	21765.3	20494.4	11905.7	3752.9	1807.6	1596.6	1780.2	2087.6	2261.9	2445.4	2509.6
60°	17782.9	15796.3	9818.2	2762.0	1486.5	1468.1	1656.3	2046.2	2119.7	2280.2	2390.3
62.5°	16434.1	13855.7	7785.8	2110.4	1270.9	1344.3	1527.8	1849.0	1963.6	2160.9	2261.9
65°	12860.1	9203.5	4821.9	1426.9	1119.5	1206.6	1381.0	1619.6	1807.6	1991.2	2110.4
67.5°	7616.0	5028.4	2385.7	1000.2	977.3	1069.0	1247.9	1426.9	1642.5	1844.4	1904.0
70°	4147.5	2472.9	1018.5	761.6	830.4	913.0	1087.4	1211.2	1417.7	1573.7	1674.6
72.5°	1330.5	752.5	509.3	564.3	633.1	729.5	835.0	986.4	1133.2	1225.0	1307.5
75°	321.2	316.6	362.5	394.6	458.8	532.2	619.4	697.3	812.0	899.3	972.6
77.5°	224.8	243.2	279.8	325.7	348.7	376.2	431.3	490.9	541.4	605.6	651.5
80°	174.4	188.1	215.6	238.6	261.5	284.5	311.9	334.9	367.1	408.3	431.3
82.5°	165.1	174.4	201.9	215.6	206.5	201.9	220.3	229.4	234.0	247.7	261.5
85°	13.8	0.0	9.2	32.1	78.0	114.7	123.9	123.9	119.3	128.5	128.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	18.3	13.8
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°	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2
2.5°	12405.9	12249.8	12309.5	12382.9	12277.4	12034.2	12098.4	12070.9	12318.6	12300.3	12548.0
5°	10400.9	10157.7	10185.3	10543.1	10428.4	10552.3	10304.5	10272.4	10318.3	10341.2	10382.5
7.5°	7960.1	7928.0	8203.3	8506.0	8648.3	8501.5	8258.3	8203.3	8152.8	8051.8	8281.2
10°	6496.6	6505.7	6487.4	6716.7	6877.3	6845.2	6698.4	6680.1	6583.7	6547.0	6675.5
12.5°	5799.2	5675.3	5615.7	5542.2	5666.1	5748.7	5684.5	5638.6	5643.2	5689.0	5707.4
15°	5124.7	5046.7	4918.3	4835.7	4895.3	4854.1	4831.1	4922.9	4899.9	4890.8	5000.9
17.5°	4367.7	4431.9	4422.8	4331.0	4409.0	4376.9	4372.4	4308.1	4220.9	4156.7	4193.4
20°	3867.6	3987.0	4078.7	4083.3	4124.6	4120.0	4051.2	3853.8	3789.6	3775.9	3785.1
22.5°	3688.7	3752.9	3863.1	4019.1	4019.1	3945.6	3863.1	3633.7	3574.0	3509.8	3482.2
25°	3546.5	3670.4	3812.6	3830.9	3904.4	3835.5	3702.5	3587.8	3463.9	3376.8	3376.8
27.5°	3473.1	3610.7	3716.3	3748.4	3849.3	3794.3	3656.6	3509.8	3363.0	3358.4	3280.4
30°	3441.0	3569.5	3638.2	3716.3	3762.2	3674.9	3633.7	3477.7	3330.9	3294.2	3165.7
32.5°	3344.6	3528.1	3656.6	3638.2	3674.9	3638.2	3578.6	3450.1	3285.0	3202.4	3188.6
35°	3234.5	3418.0	3555.7	3652.0	3674.9	3596.9	3560.2	3385.9	3161.1	3119.8	2977.6
37.5°	3174.8	3285.0	3454.8	3610.7	3642.8	3601.6	3477.7	3298.7	3073.9	3028.0	2904.1
40°	3101.5	3243.7	3376.8	3505.2	3601.6	3500.6	3358.4	3184.1	3083.1	2945.5	2908.8
42.5°	3046.4	3207.0	3317.1	3459.3	3569.5	3436.4	3271.2	3151.9	3009.7	2917.9	2812.4
44°	3028.0	3174.8	3248.3	3422.6	3514.3	3413.4	3275.8	3151.9	2986.8	2904.1	2812.4
45°	2963.8	3165.7	3243.7	3399.7	3477.7	3395.1	3220.7	3096.8	2977.6	2876.7	2780.3
47.5°	2899.6	3037.3	3170.3	3294.2	3349.2	3321.6	3174.8	3023.5	2881.2	2821.6	2729.9
50°	2881.2	3018.9	3142.7	3257.4	3321.6	3266.6	3133.6	2986.8	2821.6	2725.2	2647.2
52.5°	2789.4	2959.2	3096.8	3133.6	3216.2	3184.1	3083.1	2922.5	2766.6	2684.0	2619.7
55°	2656.4	2835.3	3023.5	3069.4	3188.6	3138.2	2986.8	2835.3	2702.3	2578.4	2495.8
57.5°	2606.0	2780.3	2963.8	3023.5	3096.8	3014.3	2977.6	2817.0	2606.0	2541.7	2413.3
60°	2477.5	2697.7	2849.1	2986.8	2991.4	2968.4	2904.1	2720.7	2546.3	2427.1	2335.3
62.5°	2376.6	2583.0	2702.3	2830.8	2908.8	2844.6	2780.3	2610.5	2422.4	2289.4	2183.9
65°	2229.7	2417.8	2518.8	2596.8	2684.0	2674.8	2564.6	2440.8	2243.5	2138.0	2037.1
67.5°	2004.9	2170.1	2307.7	2381.2	2436.2	2422.4	2339.8	2252.7	2050.8	1945.3	1871.9
70°	1734.3	1904.0	1991.2	2032.4	2087.6	2115.0	2050.8	2009.5	1830.6	1692.9	1624.1
72.5°	1394.8	1504.8	1633.3	1670.0	1692.9	1711.3	1711.3	1674.6	1491.1	1436.0	1316.8
75°	1027.7	1114.8	1211.2	1211.2	1252.5	1257.1	1266.3	1243.3	1105.7	1032.3	1004.7
77.5°	697.3	761.6	839.6	871.7	899.3	894.7	890.0	825.8	752.5	720.3	692.8
80°	454.2	518.4	555.1	596.4	624.0	619.4	628.5	582.7	550.5	495.5	504.6
82.5°	270.7	321.2	357.8	408.3	408.3	422.1	422.1	408.3	376.2	348.7	348.7
85°	128.5	169.8	192.7	224.8	243.2	247.7	220.3	188.1	156.0	142.2	156.0
87.5°	22.9	32.1	45.9	41.3	50.5	45.9	45.9	45.9	45.9	36.7	41.3
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°	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2	14016.2
2.5°	12456.3	12685.7	12846.3	13112.4	13571.2	13938.2	14314.4	14594.3	14626.4	14709.0
5°	10533.9	10657.8	11066.1	11598.3	11974.6	12593.9	12993.1	13718.0	13988.7	14277.7
7.5°	8226.2	8428.1	8974.0	9331.9	10157.7	10933.1	11736.0	12630.7	12988.5	13029.8
10°	6937.0	7230.6	7602.2	8175.8	8625.4	9487.9	10488.1	11483.6	11882.8	11951.6
12.5°	6092.8	6469.0	6964.6	7377.4	7808.7	8561.1	9520.0	10749.6	11268.0	11580.0
15°	5280.7	5670.7	6216.7	6790.2	7170.9	8070.2	9198.8	10584.4	11258.8	11534.1
17.5°	4445.7	4808.2	5257.8	5877.2	6643.4	7652.7	9148.4	11135.0	11873.6	12194.8
20°	3730.0	3931.9	4454.9	5092.6	6051.5	7226.0	9166.7	11947.0	13029.8	13172.0
22.5°	3450.1	3496.0	3702.5	4289.7	5340.4	6790.2	9492.5	13098.6	14328.2	14796.1
25°	3234.5	3225.3	3280.4	3674.9	4821.9	6620.4	9813.7	14158.4	15768.8	16278.0
27.5°	3115.2	3023.5	3028.0	3399.7	4454.9	6345.1	10226.5	15374.2	17402.1	17626.9
30°	3055.6	3037.3	2982.1	3133.6	4055.8	5932.2	10295.4	16571.7	18365.6	18691.3
32.5°	3018.9	2839.9	2771.1	2826.2	3679.6	5482.6	10552.3	17360.8	19558.5	19416.2
35°	2835.3	2674.8	2628.9	2684.0	3413.4	5230.3	10382.5	18049.0	20453.1	20691.6
37.5°	2766.6	2624.3	2532.5	2486.7	3165.7	5019.2	10295.4	19108.8	21320.2	21893.7
40°	2702.3	2550.9	2440.8	2394.9	2973.0	4739.3	10267.9	19925.5	22320.4	22664.5
42.5°	2628.9	2532.5	2408.7	2326.1	2739.0	4459.5	9951.3	20177.8	22627.8	22999.5
44°	2606.0	2459.2	2330.7	2303.1	2647.2	4317.2	9887.0	20407.3	22893.9	23458.2
45°	2583.0	2445.4	2298.6	2261.9	2615.1	4239.2	9799.9	20462.3	23334.3	23439.9
47.5°	2518.8	2431.6	2289.4	2188.5	2546.3	4069.5	9538.3	20150.3	22884.7	22903.1
50°	2468.3	2367.4	2220.6	2023.3	2454.5	3927.3	9657.7	20035.6	21801.9	21843.3
52.5°	2413.3	2261.9	2179.2	1839.7	2303.1	3808.0	9910.0	20554.1	21925.8	21916.6
55°	2349.0	2183.9	1982.0	1683.8	2050.8	3656.6	10520.2	21577.1	23072.8	23228.8
57.5°	2248.1	2105.9	1816.8	1546.1	1761.8	3367.5	10322.9	19618.1	21228.5	21256.0
60°	2115.0	1982.0	1647.0	1440.6	1445.2	2656.4	9230.9	15287.1	16750.6	17149.7
62.5°	1986.5	1913.2	1504.8	1289.2	1229.5	2115.0	7804.1	12704.0	14378.6	14709.0
65°	1835.2	1656.3	1381.0	1174.5	1055.2	1481.9	5528.4	9492.5	11217.6	11662.6
67.5°	1642.5	1449.8	1215.8	1032.3	903.8	991.0	2853.7	5395.4	7143.5	7405.0
70°	1436.0	1257.1	1023.1	871.7	729.5	683.6	1257.1	2573.9	3904.4	4175.0
72.5°	1179.1	1013.9	816.7	688.2	546.0	472.5	422.1	688.2	1385.6	1610.4
75°	853.4	738.7	614.8	490.9	385.4	302.8	247.7	206.5	229.4	247.7
77.5°	628.5	536.8	454.2	348.7	270.7	215.6	169.8	128.5	123.9	119.3
80°	490.9	435.8	362.5	279.8	211.0	160.6	119.3	87.1	78.0	78.0
82.5°	385.4	357.8	298.2	229.4	174.4	128.5	87.1	59.7	50.5	50.5
85°	146.8	146.8	215.6	188.1	133.0	91.8	59.7	32.1	27.6	27.6
87.5°	36.7	36.7	36.7	36.7	32.1	27.6	27.6	13.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)