

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: P647665

Luminaire Tested: **GALN-SA9D-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647665
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-SA9D-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 40896.1 lumens
Efficiency: N/A
Efficacy: 74.1 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

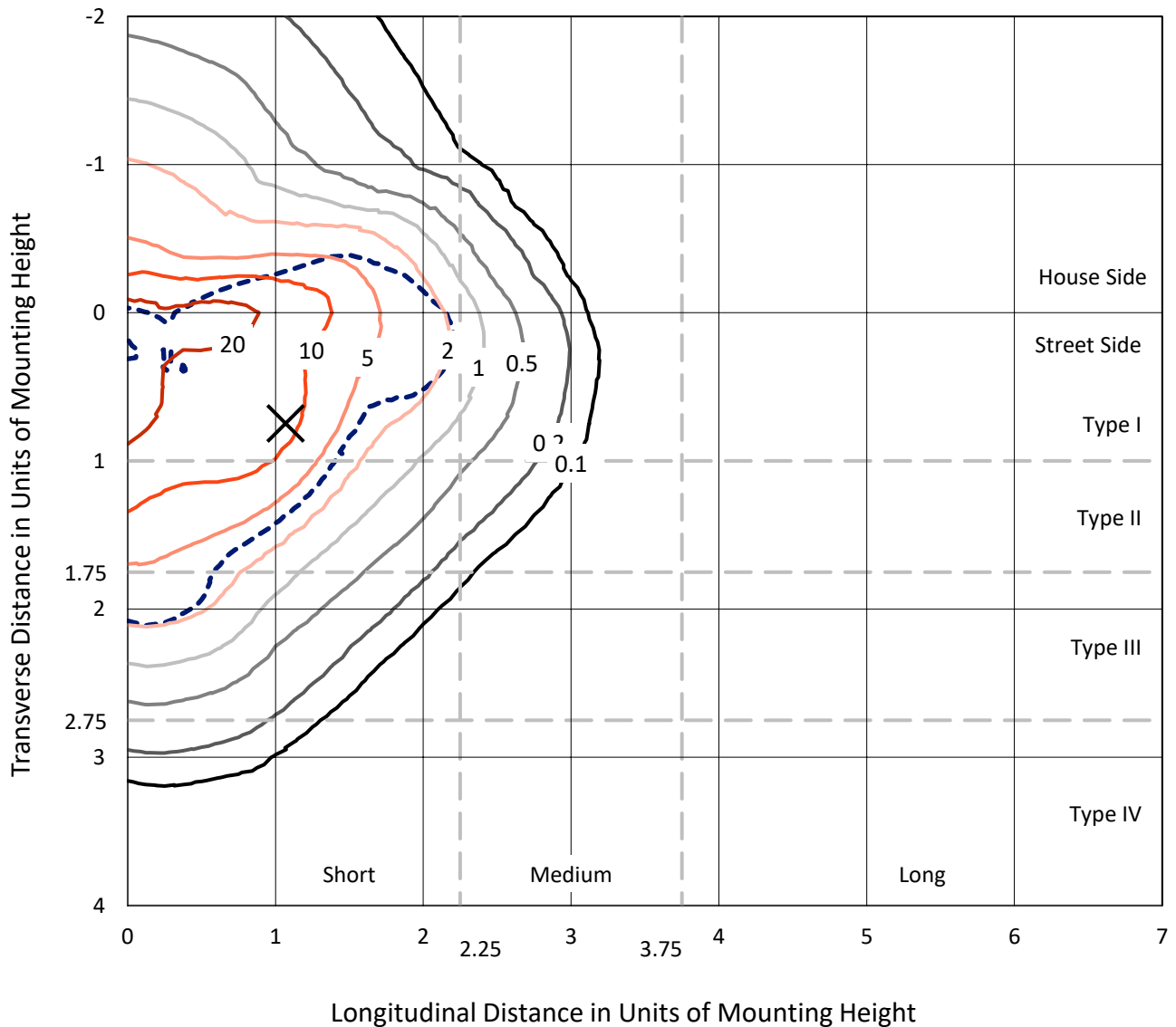
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

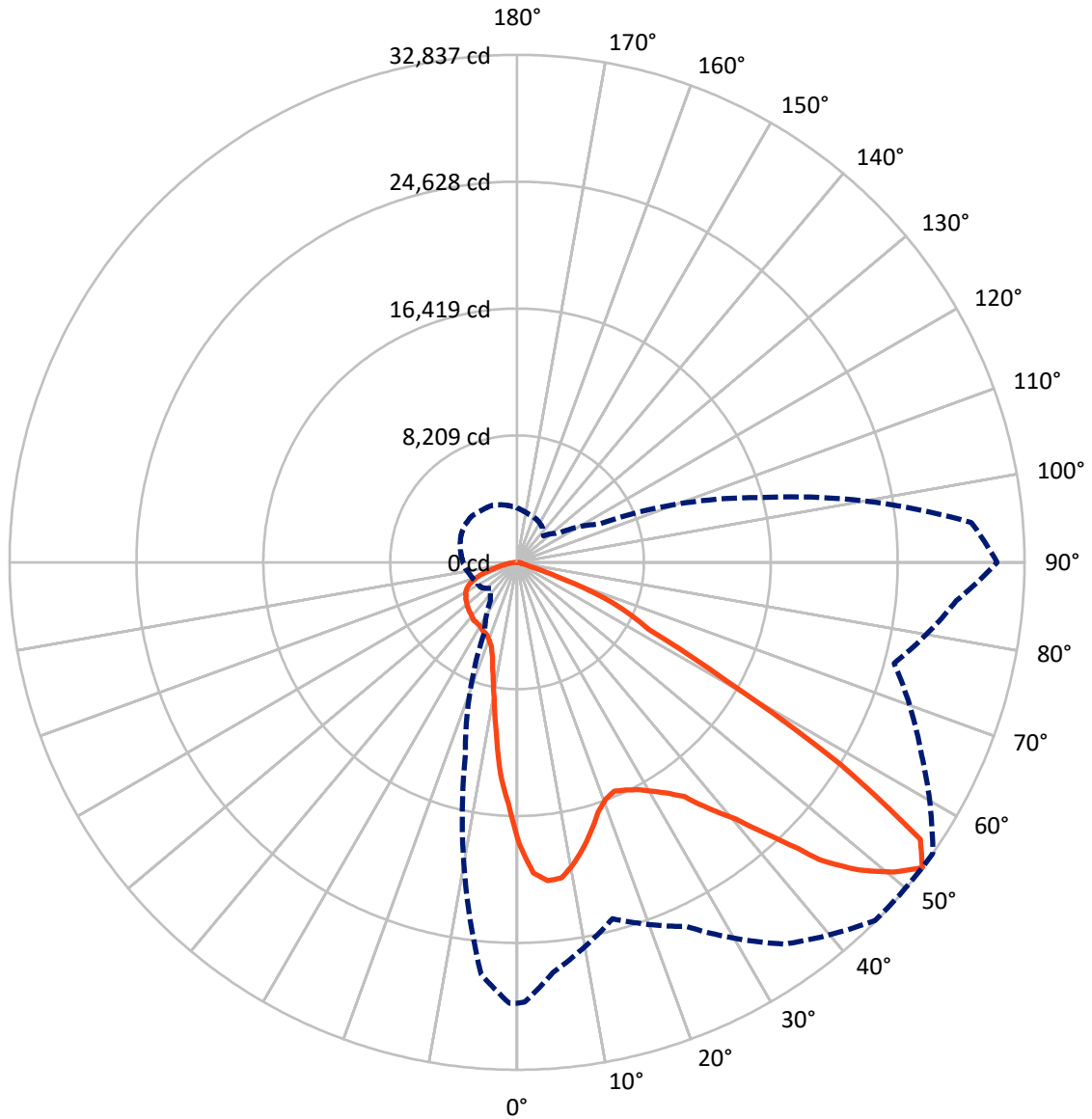
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 31 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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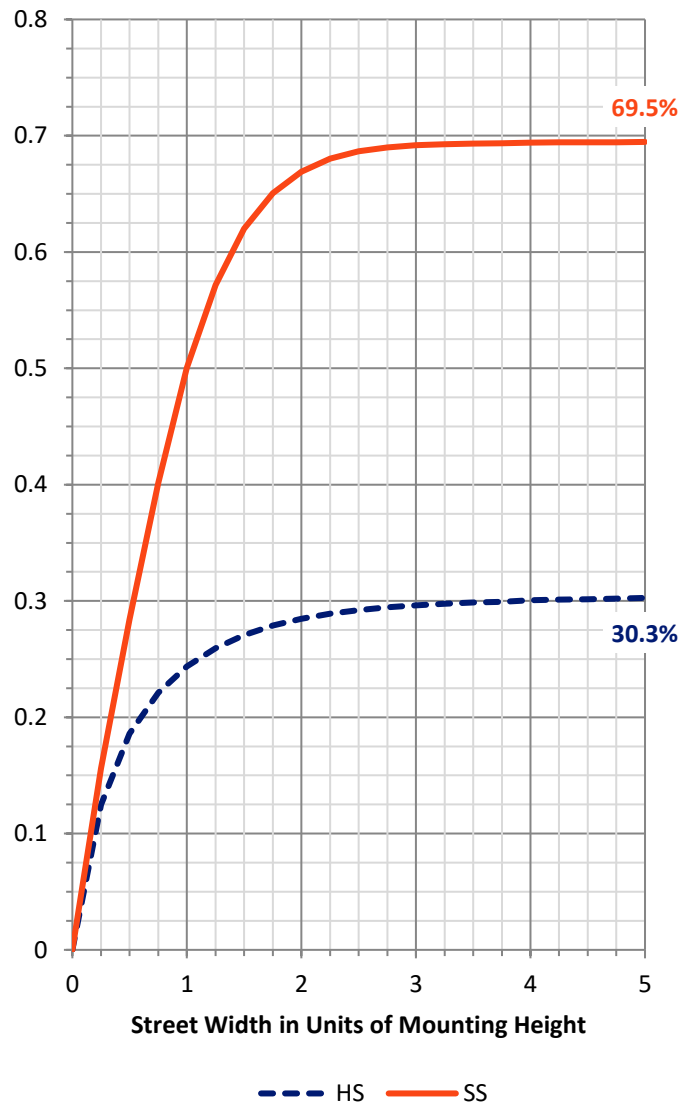
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12475.5	0.0	12475.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	28420.6	0.0	28420.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	40896.1	0.0	40896.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1393.7	3.4
10°-20°	3005.0	7.3
20°-30°	4556.6	11.1
30°-40°	6583.6	16.1
40°-50°	8797.5	21.5
50°-60°	9819.9	24.0
60°-70°	5386.7	13.2
70°-80°	1164.6	2.8
80°-90°	188.4	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°	40896.1	100.0
0°-180°	40896.1	100.0

Coefficient of Utilization

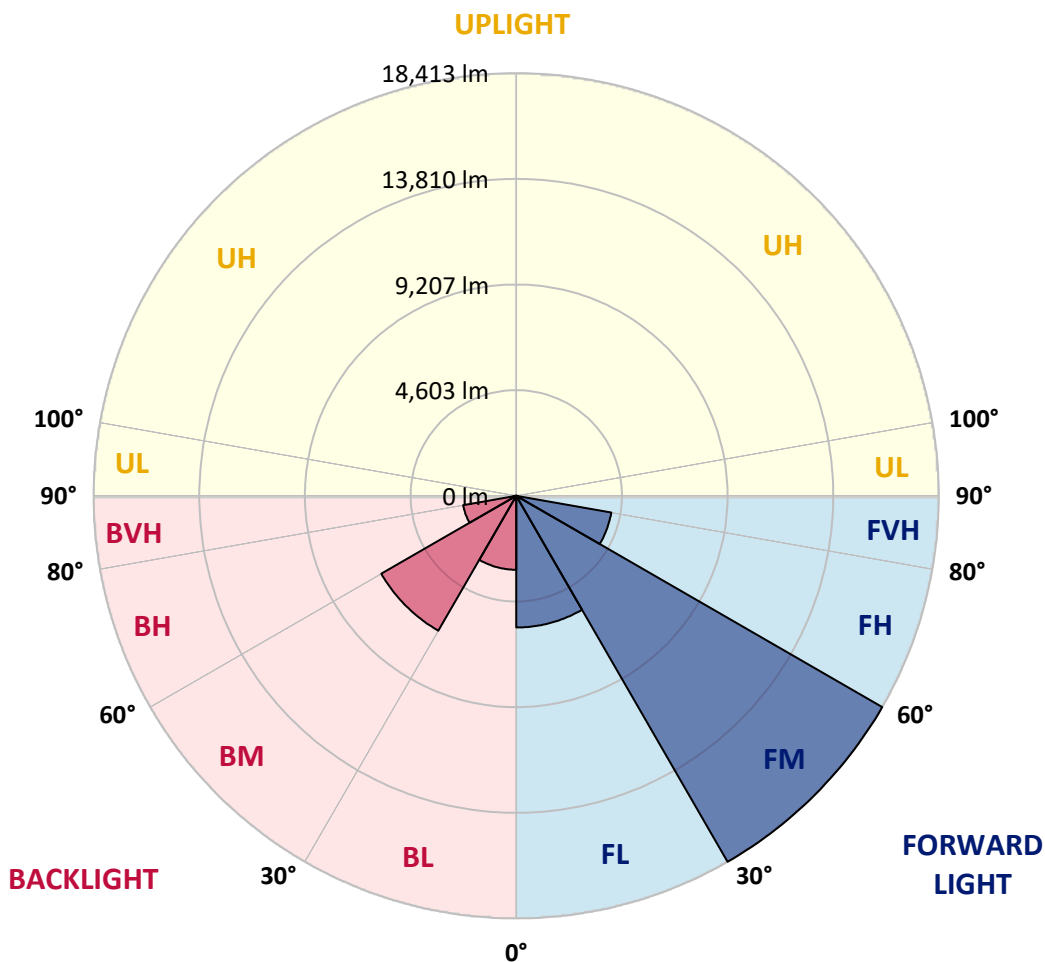


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5734.4	14.0			
FM (30°-60°)	18413.3	45.0			
FH (60°-80°)	4203.1	10.3			G2/5000
FVH (80°-90°)	69.8	0.2			G1/100
BL (0°-30°)	3221.0	7.9	B4/5000		
BM (30°-60°)	6787.7	16.6	B4/8500		
BH (60°-80°)	2348.2	5.7	B3/2500		G3/2500
BVH (80°-90°)	118.7	0.3			G2/225
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°	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8
2.5°	19144.5	19037.0	19132.6	19586.4	19849.1	20028.3	20141.7	20123.8	19693.9	19275.9	19275.9
5°	18583.2	18445.8	18642.9	19670.0	20703.1	20792.6	20941.9	20697.1	20064.1	19299.8	18344.4
7.5°	16958.9	17060.5	17388.9	18738.4	20082.0	20756.8	20935.9	20625.4	19598.3	18171.2	16767.9
10°	15555.6	15794.5	16552.9	18009.9	19246.1	20123.8	20320.9	19885.0	19072.9	17323.2	16069.2
12.5°	15072.0	14922.6	15764.7	17221.7	18404.0	18875.8	18965.4	18995.2	18445.8	16893.3	15364.6
15°	15012.2	15107.8	15764.7	16869.4	17597.9	17621.8	17771.0	18004.0	18075.6	17185.8	15693.0
17.5°	15872.1	15758.7	16433.4	17311.3	16964.9	16618.5	16654.4	16988.8	17580.0	17436.7	16726.1
20°	17144.1	17400.8	17932.3	17842.8	16911.2	16033.4	16039.4	16355.9	17520.3	18475.7	18165.2
22.5°	19258.0	19508.8	19902.9	18822.1	16911.2	15860.2	15657.2	16087.1	17902.4	19711.8	19789.5
25°	21186.7	21646.6	21754.0	20482.1	17759.1	16021.4	15890.0	16314.0	18284.6	20918.0	21652.5
27.5°	22942.4	23109.5	23581.3	21551.0	18230.9	16128.9	16117.0	16660.4	18768.3	21521.1	23318.6
30°	24327.7	24309.8	24578.5	22225.8	18983.3	16732.0	16152.8	17179.9	19401.3	22518.4	24859.2
32.5°	25271.2	25474.3	26041.6	23163.3	19299.8	17305.3	16851.5	17789.0	20171.6	22990.1	25946.0
35°	26931.3	27283.6	26567.0	23682.9	20303.0	17872.6	17341.1	18619.0	20553.8	23503.7	27277.6
37.5°	28495.8	28227.1	27498.6	23963.5	20953.9	18923.5	18427.9	20225.4	21742.1	24620.3	28161.5
40°	29499.1	29493.0	28197.2	24190.4	21413.6	20529.9	20500.0	21855.6	23199.1	25325.0	29152.7
42.5°	29935.0	30352.9	28483.9	24166.5	22381.0	22476.6	23079.7	24291.9	24232.2	25468.3	29128.8
44°	30532.1	30782.9	28979.5	24220.2	23026.0	23790.3	25211.5	25981.8	25133.9	25390.7	29098.9
45°	30508.2	30526.1	28274.9	24291.9	23575.3	24889.1	26161.0	27462.8	25928.1	25223.5	29493.0
47.5°	29809.5	29606.5	27677.7	23760.4	25289.2	27791.2	28967.6	29755.8	26907.4	24865.2	29003.4
50°	28430.1	28197.2	26226.7	23533.5	25647.4	29594.6	31218.8	31505.4	27797.1	24512.8	28519.7
52.5°	28525.7	28460.0	26638.7	23873.9	26005.7	30161.9	32765.4	32837.1	28806.3	25253.3	28525.7
55°	30233.5	30006.6	27821.0	24297.9	25743.0	29499.1	31780.1	31654.7	28466.0	24805.4	29051.2
57.5°	27665.8	27815.1	26184.9	22619.9	22530.4	23981.4	24984.6	24674.1	23754.5	22387.0	27026.8
60°	22321.3	22745.3	22900.6	18917.6	17000.7	16254.3	15955.7	15406.4	15561.7	18392.1	23742.5
62.5°	19144.5	19120.6	20094.0	17150.0	11136.8	9578.2	9434.9	9560.3	11351.8	18105.5	23252.9
65°	15179.5	15585.5	15884.1	14534.5	8813.9	7112.0	7106.0	7900.2	9823.0	15131.7	18774.3
67.5°	9637.9	10169.4	10539.6	9297.6	5893.8	5063.8	4926.5	5881.9	6807.5	9924.6	11304.0
70°	5434.0	5684.8	5852.1	5362.4	3750.1	2627.4	2472.2	2699.1	4114.4	6425.3	6700.0
72.5°	2096.0	2209.5	2436.4	2454.2	1415.3	847.9	686.7	824.0	1731.8	2543.8	2424.4
75°	322.4	346.3	489.7	585.2	406.1	310.5	328.5	340.4	483.7	656.9	549.4
77.5°	155.3	155.3	149.3	173.2	203.0	221.0	238.9	262.8	286.7	316.5	304.5
80°	101.5	101.5	101.5	119.4	149.3	179.2	203.0	215.0	226.9	250.8	238.9
82.5°	65.7	65.7	65.7	89.6	119.4	149.3	161.2	191.1	215.0	250.8	232.9
85°	35.9	35.9	35.9	59.7	89.6	125.4	119.4	95.5	53.7	6.0	12.0
87.5°	12.0	12.0	12.0	12.0	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°	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8
2.5°	18774.3	18499.6	18475.7	17914.4	17412.8	17168.0	16970.9	16421.5	16541.0	16224.5	16218.5
5°	17866.7	17305.3	16397.7	15651.2	14904.8	14755.5	14104.6	13537.3	13555.2	13149.2	13220.8
7.5°	16236.4	15848.2	14743.6	13573.1	12581.9	11877.2	11262.2	10891.9	10420.2	10258.9	10175.4
10°	15203.4	14725.6	13483.6	12014.6	10903.9	10527.7	9936.5	9608.1	9124.4	8885.6	8718.3
12.5°	14749.5	14050.9	12498.2	11005.4	10265.0	9876.8	9375.2	8778.1	8204.8	7983.9	7679.3
15°	14797.3	13961.3	12211.7	10599.3	9709.6	8957.2	8509.3	7846.5	7261.3	6873.2	6652.2
17.5°	15519.8	14504.7	12343.0	10288.9	9010.9	8067.5	7189.7	6473.1	6007.3	5714.7	5643.0
20°	17227.6	15848.2	12563.9	9787.3	8312.2	7135.9	6055.1	5308.7	4950.4	4944.4	4950.4
22.5°	18648.9	17281.4	13011.8	9488.6	7613.6	5941.6	4866.7	4627.9	4556.2	4705.5	4723.4
25°	20565.7	18893.7	13782.1	9333.4	6968.7	5063.8	4400.9	4311.4	4305.4	4496.5	4502.5
27.5°	22530.4	20303.0	14241.9	8879.5	6311.8	4610.0	4120.3	4102.4	4198.0	4400.9	4383.1
30°	23868.0	21485.3	15072.0	8336.1	5535.6	4209.9	4006.8	4030.7	4162.1	4317.4	4341.3
32.5°	25426.5	22649.8	15287.0	8037.6	5057.9	3875.5	3732.2	3785.9	3953.1	4198.0	4329.3
35°	27212.0	23473.8	15615.4	7631.5	4878.7	3618.7	3547.1	3606.7	3809.8	3971.0	4114.4
37.5°	28531.7	24930.9	15675.1	7315.0	4681.6	3475.4	3362.0	3559.0	3678.5	3905.4	3977.0
40°	29511.0	25987.8	15830.4	7118.0	4526.4	3290.2	3290.2	3421.6	3582.9	3791.9	3935.2
42.5°	30138.0	26758.2	15943.8	6938.9	4227.8	3236.5	3206.7	3338.1	3553.0	3756.1	3821.7
44°	30520.2	27086.6	15830.4	6771.6	4144.2	3170.8	3170.8	3284.3	3451.5	3690.4	3768.0
45°	30615.7	27498.6	15579.6	6765.7	4042.7	3093.2	3081.3	3296.3	3409.7	3702.3	3750.1
47.5°	30985.9	28006.2	15609.4	6574.6	3797.9	2908.1	3117.1	3212.6	3314.1	3570.9	3732.2
50°	30974.0	28322.7	15543.7	6293.9	3618.7	2699.1	3045.5	3152.9	3254.5	3517.2	3582.9
52.5°	31057.6	29505.0	16146.9	5846.0	3296.3	2430.4	2806.6	3045.5	3170.8	3391.8	3529.1
55°	31015.8	30179.8	16744.0	5511.7	2842.4	2269.1	2603.6	2884.2	3063.3	3296.3	3362.0
57.5°	28328.6	26674.5	15496.0	4884.7	2352.8	2078.1	2316.9	2717.0	2943.9	3182.8	3266.4
60°	23145.4	20559.8	12779.0	3594.8	1934.8	1910.8	2155.7	2663.3	2758.8	2967.8	3111.1
62.5°	21389.8	18033.8	10133.6	2746.8	1654.1	1749.6	1988.5	2406.5	2555.8	2812.5	2943.9
65°	16738.0	11978.7	6276.0	1857.1	1457.0	1570.5	1797.4	2107.9	2352.8	2591.7	2746.8
67.5°	9912.6	6544.7	3105.1	1301.8	1271.9	1391.3	1624.3	1857.1	2137.7	2400.5	2478.2
70°	5398.2	3218.6	1325.7	991.3	1080.9	1188.4	1415.3	1576.5	1845.2	2048.2	2179.6
72.5°	1731.8	979.3	662.8	734.5	824.0	949.5	1086.8	1283.9	1474.9	1594.3	1701.9
75°	418.0	412.0	471.8	513.6	597.1	692.7	806.2	907.7	1057.0	1170.4	1266.0
77.5°	292.6	316.5	364.3	424.0	453.8	489.7	561.3	638.9	704.6	788.2	847.9
80°	226.9	244.8	280.6	310.5	340.4	370.2	406.1	435.9	477.7	531.4	561.3
82.5°	215.0	226.9	262.8	280.6	268.7	262.8	286.7	298.6	304.5	322.4	340.4
85°	17.9	0.0	12.0	41.8	101.5	149.3	161.2	161.2	155.3	167.2	167.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	23.9	17.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8
2.5°	16146.9	15943.8	16021.4	16117.0	15979.6	15663.1	15746.8	15710.9	16033.4	16009.5	16332.0
5°	13537.3	13220.8	13256.7	13722.4	13573.1	13734.4	13411.9	13370.1	13429.9	13459.7	13513.4
7.5°	10360.5	10318.7	10677.0	11071.1	11256.2	11065.1	10748.6	10677.0	10611.3	10479.9	10778.5
10°	8455.6	8467.5	8443.6	8742.2	8951.3	8909.4	8718.3	8694.4	8569.1	8521.3	8688.5
12.5°	7548.0	7386.7	7309.1	7213.5	7374.8	7482.3	7398.6	7338.9	7344.9	7404.6	7428.5
15°	6670.1	6568.6	6401.4	6293.9	6371.6	6317.8	6288.0	6407.4	6377.5	6365.6	6508.9
17.5°	5684.8	5768.4	5756.5	5637.1	5738.6	5696.8	5690.8	5607.2	5493.8	5410.1	5457.9
20°	5033.9	5189.2	5308.7	5314.6	5368.3	5362.4	5272.8	5016.1	4932.4	4914.5	4926.5
22.5°	4801.0	4884.7	5028.0	5231.0	5231.0	5135.5	5028.0	4729.4	4651.8	4568.2	4532.3
25°	4615.9	4777.2	4962.3	4986.1	5081.7	4992.2	4819.0	4669.7	4508.4	4395.0	4395.0
27.5°	4520.4	4699.6	4836.9	4878.7	5010.0	4938.4	4759.2	4568.2	4377.0	4371.1	4269.6
30°	4478.6	4645.8	4735.3	4836.9	4896.6	4783.1	4729.4	4526.4	4335.3	4287.5	4120.3
32.5°	4353.2	4592.1	4759.2	4735.3	4783.1	4735.3	4657.8	4490.5	4275.6	4168.1	4150.1
35°	4209.9	4448.8	4627.9	4753.3	4783.1	4681.6	4633.9	4407.0	4114.4	4060.6	3875.5
37.5°	4132.3	4275.6	4496.5	4699.6	4741.4	4687.6	4526.4	4293.5	4000.9	3941.2	3779.9
40°	4036.7	4221.9	4395.0	4562.2	4687.6	4556.2	4371.1	4144.2	4012.8	3833.6	3785.9
42.5°	3965.0	4174.0	4317.4	4502.5	4645.8	4472.7	4257.6	4102.4	3917.3	3797.9	3660.5
44°	3941.2	4132.3	4227.8	4454.7	4574.1	4442.7	4263.6	4102.4	3887.4	3779.9	3660.5
45°	3857.5	4120.3	4221.9	4424.9	4526.4	4418.9	4191.9	4030.7	3875.5	3744.1	3618.7
47.5°	3774.0	3953.1	4126.3	4287.5	4359.2	4323.3	4132.3	3935.2	3750.1	3672.4	3553.0
50°	3750.1	3929.3	4090.5	4239.7	4323.3	4251.7	4078.5	3887.4	3672.4	3547.1	3445.5
52.5°	3630.6	3851.6	4030.7	4078.5	4186.0	4144.2	4012.8	3803.8	3600.8	3493.3	3409.7
55°	3457.5	3690.4	3935.2	3994.9	4150.1	4084.5	3887.4	3690.4	3517.2	3355.9	3248.5
57.5°	3391.8	3618.7	3857.5	3935.2	4030.7	3923.2	3875.5	3666.5	3391.8	3308.2	3141.0
60°	3224.6	3511.2	3708.3	3887.4	3893.4	3863.6	3779.9	3541.0	3314.1	3158.9	3039.4
62.5°	3093.2	3362.0	3517.2	3684.4	3785.9	3702.3	3618.7	3397.8	3152.9	2979.8	2842.4
65°	2902.1	3147.0	3278.3	3379.8	3493.3	3481.4	3338.1	3176.8	2920.0	2782.7	2651.3
67.5°	2609.5	2824.5	3003.7	3099.2	3170.8	3152.9	3045.5	2932.0	2669.2	2531.9	2436.4
70°	2257.2	2478.2	2591.7	2645.4	2717.0	2752.9	2669.2	2615.5	2382.6	2203.4	2113.9
72.5°	1815.3	1958.7	2125.8	2173.6	2203.4	2227.3	2227.3	2179.6	1940.7	1869.1	1713.8
75°	1337.6	1451.1	1576.5	1576.5	1630.2	1636.2	1648.1	1618.3	1439.2	1343.5	1307.8
77.5°	907.7	991.3	1092.8	1134.6	1170.4	1164.4	1158.4	1074.9	979.3	937.5	901.7
80°	591.2	674.8	722.6	776.3	812.1	806.2	818.1	758.4	716.6	645.0	656.9
82.5°	352.4	418.0	465.8	531.4	531.4	549.4	549.4	531.4	489.7	453.8	453.8
85°	167.2	221.0	250.8	292.6	316.5	322.4	286.7	244.8	203.0	185.1	203.0
87.5°	29.8	41.8	59.7	53.7	65.7	59.7	59.7	59.7	59.7	47.8	53.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8	18242.8
2.5°	16212.5	16511.1	16720.1	17066.4	17663.6	18141.3	18630.9	18995.2	19037.0	19144.5
5°	13710.5	13871.7	14403.2	15095.8	15585.5	16391.6	16911.2	17854.7	18207.0	18583.2
7.5°	10706.8	10969.6	11680.2	12146.0	13220.8	14230.0	15275.0	16439.5	16905.2	16958.9
10°	9028.9	9411.0	9894.7	10641.1	11226.3	12349.0	13650.7	14946.6	15466.1	15555.6
12.5°	7930.1	8419.8	9064.7	9602.1	10163.4	11142.7	12390.8	13991.1	14665.9	15072.0
15°	6873.2	7380.7	8091.4	8837.8	9333.4	10503.8	11972.8	13776.2	14654.0	15012.2
17.5°	5786.4	6258.1	6843.3	7649.4	8646.7	9960.4	11907.1	14492.7	15454.1	15872.1
20°	4854.8	5117.5	5798.3	6628.3	7876.4	9405.1	11931.0	15549.7	16958.9	17144.1
22.5°	4490.5	4550.2	4819.0	5583.3	6950.8	8837.8	12355.0	17048.5	18648.9	19258.0
25°	4209.9	4198.0	4269.6	4783.1	6276.0	8616.8	12772.9	18427.9	20523.9	21186.7
27.5°	4054.6	3935.2	3941.2	4424.9	5798.3	8258.5	13310.4	20010.3	22649.8	22942.4
30°	3977.0	3953.1	3881.5	4078.5	5278.8	7721.1	13399.9	21568.9	23903.7	24327.7
32.5°	3929.3	3696.3	3606.7	3678.5	4789.1	7135.9	13734.4	22596.0	25456.3	25271.2
35°	3690.4	3481.4	3421.6	3493.3	4442.7	6807.5	13513.4	23491.7	26620.7	26931.3
37.5°	3600.8	3415.7	3296.3	3236.5	4120.3	6532.8	13399.9	24871.1	27749.4	28495.8
40°	3517.2	3320.2	3176.8	3117.1	3869.5	6168.6	13364.2	25934.1	29051.2	29499.1
42.5°	3421.6	3296.3	3135.1	3027.5	3565.0	5804.3	12952.1	26262.5	29451.3	29935.0
44°	3391.8	3200.7	3033.5	2997.6	3445.5	5619.1	12868.5	26561.1	29797.6	30532.1
45°	3362.0	3182.8	2991.7	2943.9	3403.7	5517.6	12755.1	26632.7	30370.8	30508.2
47.5°	3278.3	3164.9	2979.8	2848.4	3314.1	5296.7	12414.7	26226.7	29785.6	29809.5
50°	3212.6	3081.3	2890.2	2633.4	3194.7	5111.6	12570.0	26077.3	28376.4	28430.1
52.5°	3141.0	2943.9	2836.4	2394.6	2997.6	4956.3	12898.4	26752.1	28537.6	28525.7
55°	3057.4	2842.4	2579.7	2191.5	2669.2	4759.2	13692.6	28083.8	30030.5	30233.5
57.5°	2926.0	2740.9	2364.7	2012.4	2293.0	4383.1	13435.8	25533.9	27630.0	27665.8
60°	2752.9	2579.7	2143.8	1875.1	1881.0	3457.5	12014.6	19896.9	21801.8	22321.3
62.5°	2585.6	2490.1	1958.7	1678.0	1600.4	2752.9	10157.5	16535.0	18714.6	19144.5
65°	2388.6	2155.7	1797.4	1528.7	1373.5	1928.8	7195.6	12355.0	14600.2	15179.5
67.5°	2137.7	1887.0	1582.4	1343.5	1176.4	1289.8	3714.2	7022.4	9297.6	9637.9
70°	1869.1	1636.2	1331.6	1134.6	949.5	889.7	1636.2	3350.0	5081.7	5434.0
72.5°	1534.7	1319.7	1062.9	895.8	710.6	615.0	549.4	895.8	1803.4	2096.0
75°	1110.7	961.4	800.1	638.9	501.6	394.1	322.4	268.7	298.6	322.4
77.5°	818.1	698.7	591.2	453.8	352.4	280.6	221.0	167.2	161.2	155.3
80°	638.9	567.3	471.8	364.3	274.7	209.0	155.3	113.5	101.5	101.5
82.5°	501.6	465.8	388.1	298.6	226.9	167.2	113.5	77.6	65.7	65.7
85°	191.1	191.1	280.6	244.8	173.2	119.4	77.6	41.8	35.9	35.9
87.5°	47.8	47.8	47.8	47.8	41.8	35.9	35.9	17.9	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)