

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: P956746

Luminaire Tested: **GALN-SB9B-760-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-760-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41413 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

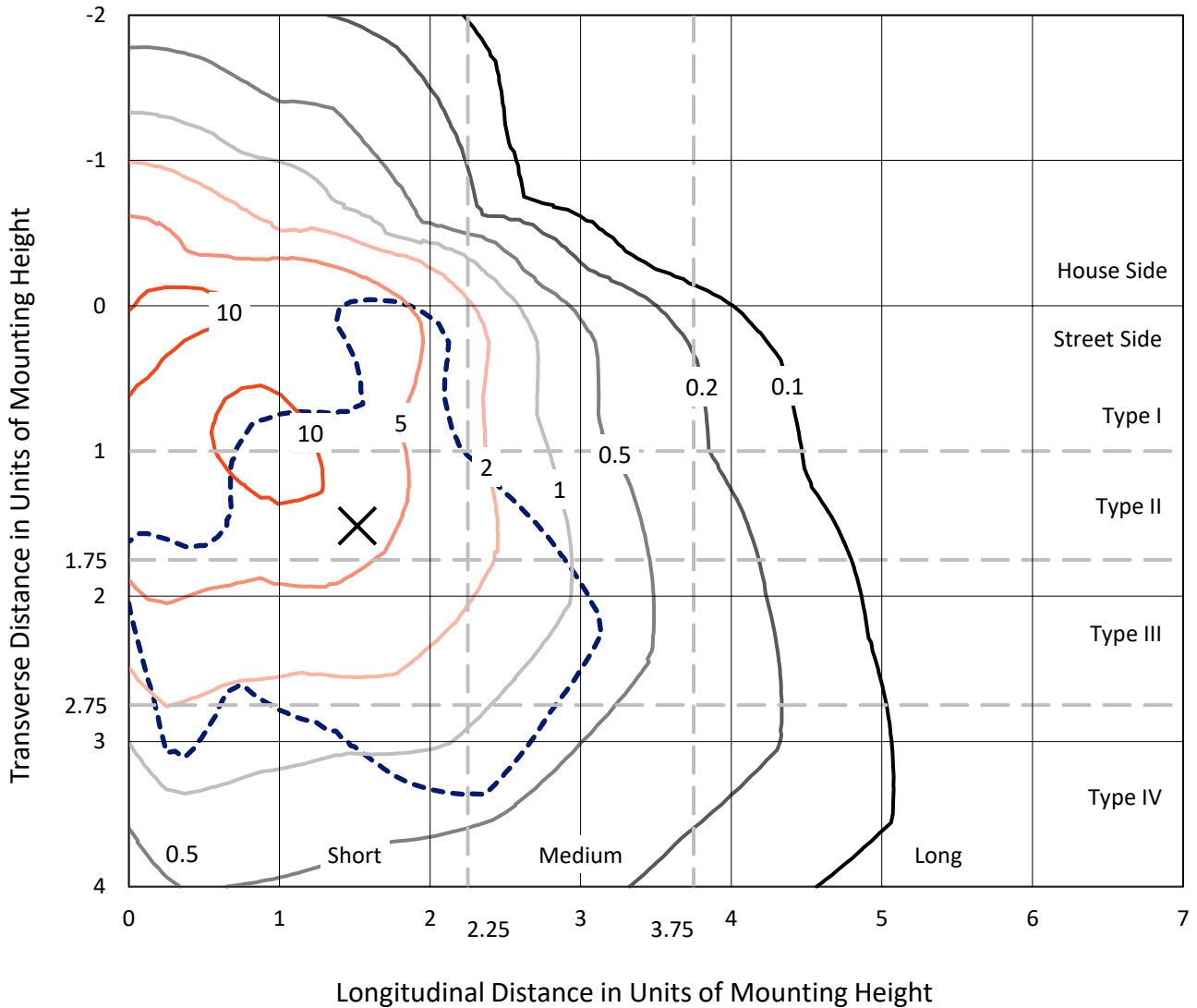
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

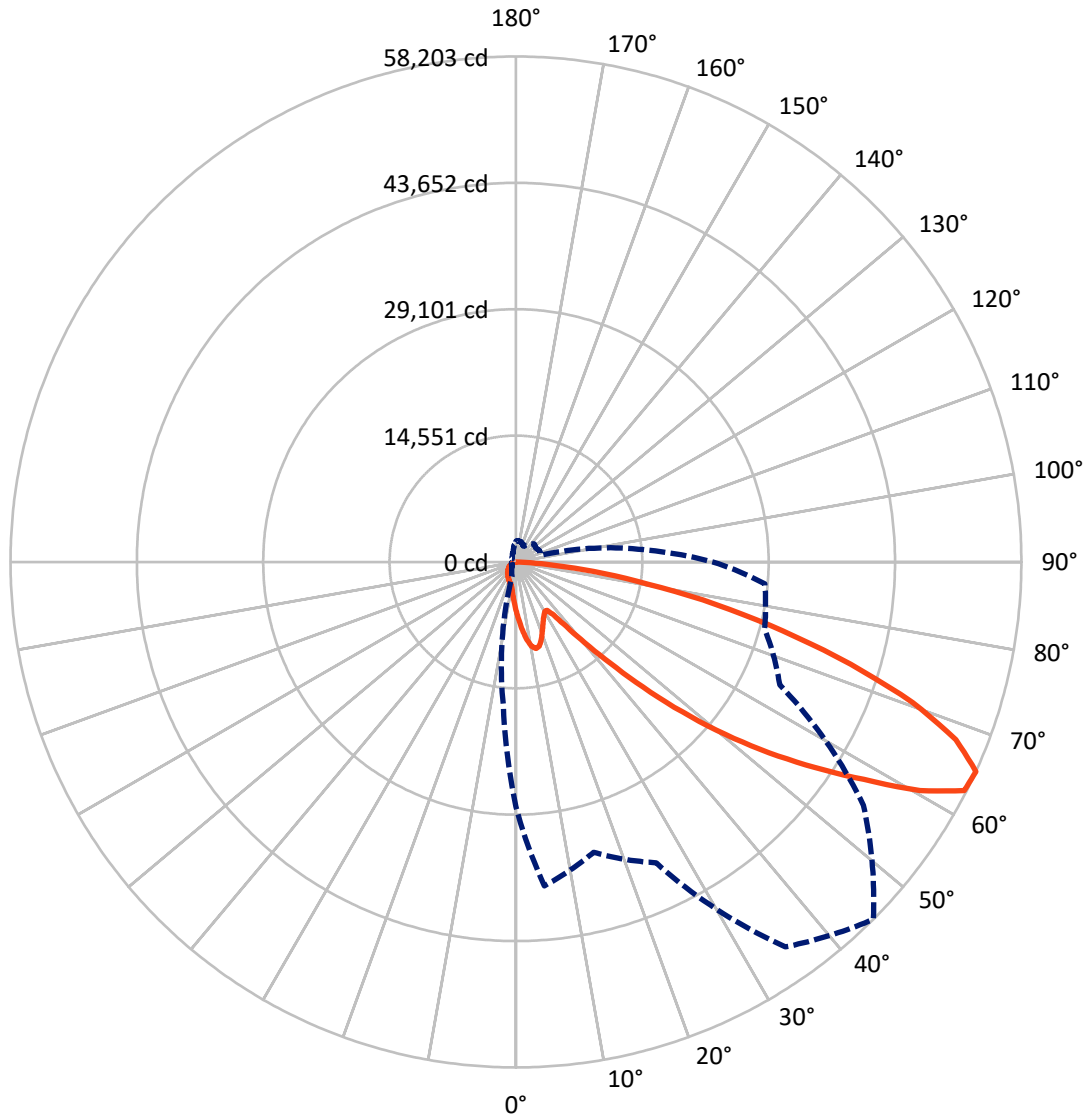
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8231.6	0.0	8231.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	33181.4	0.0	33181.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	41413.0	0.0	41413.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.6	1.4
10°-20°	1692.4	4.1
20°-30°	2493.3	6.0
30°-40°	3203.2	7.7
40°-50°	5180.5	12.5
50°-60°	9084.4	21.9
60°-70°	11367.1	27.4
70°-80°	6642.4	16.0
80°-90°	1185.1	2.9
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°	41413.0	100.0
0°-180°	41413.0	100.0

Coefficient of Utilization



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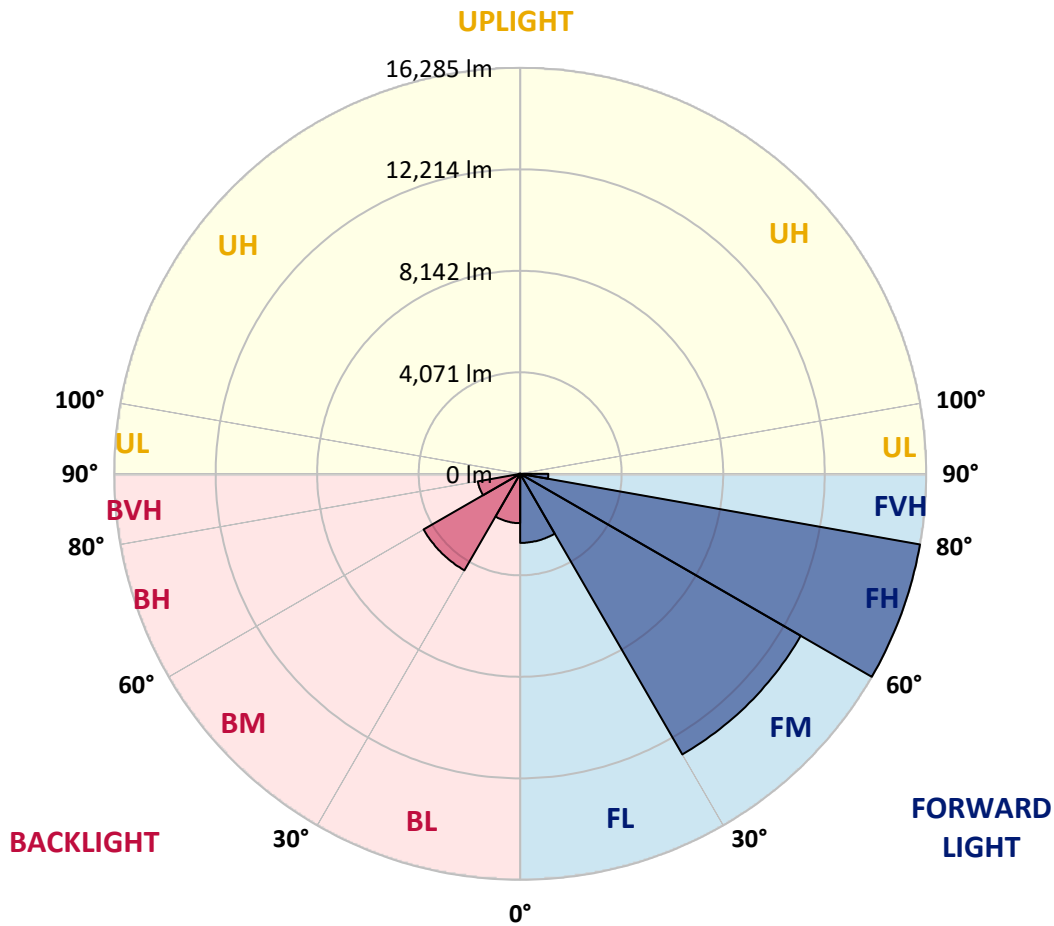
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2771.0	6.7			
FM (30°-60°)	12995.9	31.4			
FH (60°-80°)	16284.9	39.3			G5
FVH (80°-90°)	1129.6	2.7			G5
BL (0°-30°)	1979.2	4.8	B3/2500		
BM (30°-60°)	4472.2	10.8	B3/5000		
BH (60°-80°)	1724.7	4.2	B3/2500		G3/2500
BVH (80°-90°)	55.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4
2.5°	6424.8	6473.3	6581.7	6638.8	6727.2	6732.9	6732.9	6655.9	6653.0	6496.1
5°	7180.8	7294.9	7551.7	7817.0	7874.1	7888.3	7859.8	7705.7	7591.6	7286.4
7.5°	7931.1	8150.8	8541.7	8895.4	9009.5	9009.5	8941.1	8690.0	8456.1	8013.9
10°	8553.1	8829.8	9360.4	9757.0	9888.2	9859.7	9719.9	9403.2	9080.9	8544.5
12.5°	8963.9	9274.9	9856.8	10176.4	10310.5	10236.3	10076.5	9768.4	9428.9	8864.0
15°	9169.3	9494.5	9999.5	10167.8	10130.7	10053.7	10033.7	9885.4	9628.6	9100.8
17.5°	9257.7	9560.1	9911.1	9805.5	9491.7	9431.8	9631.5	9819.8	9757.0	9306.2
20°	9340.5	9594.4	9699.9	9232.1	8684.3	8630.1	9012.4	9548.7	9822.6	9497.4
22.5°	9454.6	9611.5	9394.7	8627.2	8036.7	7911.2	8333.4	9140.8	9842.6	9739.9
25°	9611.5	9654.3	9058.0	8053.8	7460.4	7334.9	7728.6	8687.2	9808.3	10002.3
27.5°	9799.8	9711.4	8735.7	7574.5	7001.1	6884.1	7277.8	8250.7	9711.4	10264.8
30°	10045.1	9785.5	8416.1	7203.6	6673.0	6587.4	6966.8	7874.1	9591.5	10598.6
32.5°	10293.3	9816.9	8119.4	6986.8	6598.8	6630.2	6941.2	7671.5	9460.3	10918.1
35°	10561.5	9916.8	7973.9	7200.8	7217.9	7491.8	7620.2	7859.8	9440.3	11351.8
37.5°	10926.7	10139.3	8147.9	8264.9	8858.3	9426.1	9320.5	8781.3	9671.4	11999.4
40°	11451.6	10530.1	8906.8	10076.5	11294.7	12216.2	11814.0	10456.0	10378.9	12932.3
42.5°	12216.2	11152.1	10253.4	12290.4	14355.9	15873.7	14795.3	12615.6	11617.1	14264.6
45°	13346.0	12159.2	11882.4	14626.9	18130.3	20521.1	18278.7	14917.9	13351.7	16281.6
47.5°	14912.2	13639.8	13408.7	17089.0	22717.8	25810.4	22141.5	17051.9	15325.9	19031.8
50°	16992.0	15634.0	14855.2	19782.2	27747.5	31202.4	26001.5	19111.7	17588.3	22392.6
52.5°	19736.5	18415.6	16541.2	22346.9	32919.9	36480.3	29878.7	20920.5	20395.5	26292.5
55°	23479.6	22600.9	18846.4	24794.8	38089.4	41789.6	33604.6	22626.5	24104.3	30925.7
57.5°	28124.1	28751.8	22170.1	27633.4	42736.8	47261.5	37347.6	25011.6	28920.1	36106.6
60°	31119.7	36931.1	28534.9	31830.1	48017.5	53449.5	42477.2	29547.7	33981.2	37963.8
62.5°	30395.0	39533.0	36157.9	37187.9	52873.2	57948.6	47504.0	34103.8	34934.0	35227.9
65°	28172.6	37433.2	34603.1	38229.2	54102.8	58202.5	48847.7	33516.1	29633.3	28760.3
67.5°	25114.3	34942.6	30908.6	35467.5	51880.4	54653.4	46345.7	29647.6	22900.4	21582.4
70°	21813.4	32186.7	28483.6	32369.3	47643.8	48468.3	42092.0	26075.7	16843.7	14575.6
72.5°	18680.9	29316.6	26823.2	29194.0	41992.2	40286.1	36554.5	22917.5	12264.7	10513.0
75°	15477.1	25082.9	24458.1	25422.4	34560.3	31733.1	30372.2	18974.8	9625.8	7605.9
77.5°	11942.3	19599.6	21037.5	20358.5	24326.9	23570.9	23542.3	14258.9	7032.5	5075.4
80°	8173.6	13659.8	16435.7	14361.6	15788.1	15402.9	17730.9	9565.9	5101.0	3055.5
82.5°	4804.3	8316.3	11440.2	6952.6	8729.9	8961.0	10558.7	4653.1	3001.3	704.7
85°	1948.5	3283.7	4473.4	2721.7	4210.9	3551.9	4008.4	1306.6	835.9	17.1
87.5°	490.7	1049.9	736.1	305.3	487.8	447.9	353.8	159.8	34.2	0.0
90°	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°
5734.4	0°	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4
6479.0	2.5°	6367.7	6302.1	6139.5	5976.9	5845.6	5668.8	5551.8	5412.0	5277.9	5158.1
7220.7	5°	7041.0	6824.2	6527.5	6256.5	5979.7	5711.6	5446.2	5166.6	4909.9	4753.0
7848.4	7.5°	7588.8	7206.5	6812.8	6467.6	6133.8	5820.0	5469.1	5129.6	4727.3	4513.3
8327.7	10°	7996.7	7494.6	6978.2	6581.7	6245.0	5939.8	5643.1	5300.7	4815.7	4547.6
8618.7	12.5°	8264.9	7668.7	7063.8	6610.2	6233.6	5996.8	5865.6	5731.5	5249.4	4935.6
8832.6	15°	8450.4	7791.3	7123.7	6544.6	6082.4	5908.4	6039.6	6193.7	5885.6	5523.3
9055.2	17.5°	8652.9	7951.1	7149.4	6367.7	5788.6	5714.4	6053.9	6410.5	6396.3	6036.8
9266.3	20°	8866.9	8090.9	7132.3	6082.4	5432.0	5497.6	5931.2	6344.9	6518.9	6324.9
9508.8	22.5°	9086.6	8225.0	7066.7	5711.6	5098.2	5303.6	5737.2	6099.5	6305.0	6245.0
9805.5	25°	9363.3	8413.3	6969.7	5312.1	4821.4	5106.7	5511.8	5805.7	5948.3	5945.5
10125.0	27.5°	9694.2	8664.3	6918.3	4989.8	4624.6	4884.2	5243.7	5506.1	5606.0	5606.0
10521.6	30°	10079.4	8961.0	6861.3	4778.6	4510.5	4653.1	4932.7	5189.5	5289.3	5289.3
10955.2	32.5°	10507.3	9246.3	6724.3	4650.3	4424.9	4427.7	4604.6	4838.6	4958.4	4975.5
11497.3	35°	11020.8	9551.6	6424.8	4547.6	4325.0	4208.1	4293.6	4487.6	4630.3	4667.4
12270.4	37.5°	11694.1	9925.3	5996.8	4396.4	4171.0	3977.0	3996.9	4145.3	4302.2	4359.3
13337.4	40°	12598.5	10364.7	5551.8	4179.5	3954.2	3723.1	3714.5	3822.9	3977.0	4039.7
14781.0	42.5°	13793.9	10892.5	5126.7	3971.3	3691.7	3454.9	3440.6	3526.2	3660.3	3725.9
16686.7	45°	15323.0	11540.1	4761.5	3808.7	3434.9	3201.0	3195.3	3266.6	3383.6	3452.0
19126.0	47.5°	17448.5	12187.7	4513.3	3723.1	3232.4	2992.7	3004.1	3066.9	3172.5	3221.0
22284.2	50°	20218.7	12384.5	4387.8	3723.1	3124.0	2807.3	2864.3	2915.7	2995.6	3024.1
26070.0	52.5°	22877.6	11734.1	4273.7	3745.9	3138.2	2650.4	2773.0	2810.1	2878.6	2890.0
29579.1	55°	24181.4	10087.9	4116.8	3751.6	3226.7	2516.3	2698.9	2767.3	2793.0	2790.2
31616.1	57.5°	23733.5	8156.5	3851.4	3728.8	3286.6	2430.7	2607.6	2738.8	2755.9	2730.2
31228.1	60°	22161.5	6005.4	3648.9	3560.4	3263.7	2405.0	2467.8	2676.0	2701.7	2667.5
28238.2	62.5°	19525.4	4168.1	3492.0	3189.6	3163.9	2396.5	2248.1	2539.1	2601.9	2553.4
22697.9	65°	15371.5	2944.2	3007.0	2795.9	2947.1	2350.8	2019.9	2373.6	2459.2	2385.0
16467.1	67.5°	10401.8	2125.4	2436.4	2533.4	2596.2	2248.1	1854.4	2185.3	2299.5	2202.5
10567.2	70°	5617.4	1492.1	1609.0	2134.0	2205.3	2071.2	1706.0	1994.2	2125.4	2019.9
7511.7	72.5°	3317.9	1072.7	1126.9	1714.6	1837.3	1823.0	1540.6	1771.7	1931.4	1805.9
5183.8	75°	1828.7	724.6	804.5	1243.9	1492.1	1406.5	1323.8	1500.6	1663.3	1540.6
3249.5	77.5°	818.8	433.6	559.2	815.9	1172.6	964.3	1024.2	1169.7	1320.9	1192.5
1808.8	80°	316.7	242.5	370.9	445.1	853.0	533.5	659.0	861.6	970.0	867.3
393.7	82.5°	39.9	108.4	159.8	174.0	496.4	282.4	382.3	542.1	533.5	462.2
0.0	85°	0.0	20.0	22.8	11.4	214.0	102.7	125.5	176.9	165.5	125.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
5734.4	0°	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4
5135.3	2.5°	4995.5	4892.8	4841.4	4798.6	4838.6	4861.4	4861.4	4958.4	5015.4	5038.3
4653.1	5°	4402.1	4210.9	4082.5	4005.5	4031.2	4059.7	4091.1	4213.8	4296.5	4350.7
4319.3	7.5°	3934.2	3643.2	3463.4	3369.3	3383.6	3403.5	3429.2	3549.0	3631.8	3703.1
4256.6	10°	3703.1	3292.3	3055.5	2941.4	2921.4	2910.0	2901.4	2972.7	3035.5	3092.6
4513.3	12.5°	3714.5	3141.1	2852.9	2713.1	2653.2	2584.7	2530.5	2542.0	2581.9	2653.2
4972.6	15°	3860.0	3092.6	2747.4	2573.3	2473.5	2393.6	2328.0	2313.7	2328.0	2339.4
5497.6	17.5°	4056.9	3086.9	2656.1	2439.2	2336.5	2270.9	2211.0	2191.0	2193.9	2208.2
5845.6	20°	4213.8	3069.7	2553.4	2310.9	2219.6	2162.5	2102.6	2082.6	2088.3	2091.2
5879.9	22.5°	4296.5	3044.1	2439.2	2182.5	2105.5	2048.4	1994.2	1991.3	1991.3	2008.5
5694.4	25°	4296.5	2989.9	2336.5	2059.8	1991.3	1940.0	1874.4	1885.8	1891.5	1914.3
5406.3	27.5°	4193.8	2887.2	2253.8	1954.3	1882.9	1831.6	1771.7	1785.9	1794.5	1820.2
5121.0	30°	4062.6	2764.5	2159.7	1854.4	1771.7	1734.6	1683.2	1688.9	1700.3	1728.9
4855.7	32.5°	3922.8	2619.0	2082.6	1754.5	1671.8	1643.3	1586.2	1594.8	1606.2	1637.6
4593.2	35°	3768.7	2447.8	1991.3	1663.3	1580.5	1557.7	1492.1	1497.8	1514.9	1549.1
4310.8	37.5°	3606.1	2308.0	1900.0	1574.8	1489.2	1466.4	1397.9	1403.6	1423.6	1463.5
4014.1	40°	3446.3	2171.1	1803.0	1480.7	1395.1	1375.1	1300.9	1306.6	1329.5	1372.3
3714.5	42.5°	3272.3	2065.5	1677.5	1383.7	1292.4	1272.4	1203.9	1212.5	1238.2	1281.0
3437.8	45°	3064.0	1997.0	1537.7	1292.4	1189.7	1169.7	1106.9	1124.1	1152.6	1195.4
3201.0	47.5°	2850.1	1968.5	1420.8	1195.4	1084.1	1067.0	1015.6	1044.2	1075.6	1109.8
2998.4	50°	2644.7	1931.4	1300.9	1104.1	992.8	975.7	941.5	978.6	1009.9	1041.3
2852.9	52.5°	2410.7	1851.5	1192.5	1024.2	915.8	910.1	893.0	927.2	955.7	984.3
2727.4	55°	2168.2	1723.2	1098.4	952.9	850.2	855.9	847.3	875.8	898.7	924.3
2613.3	57.5°	1957.1	1560.5	1024.2	875.8	793.1	810.2	798.8	813.1	827.3	858.7
2476.3	60°	1743.1	1366.6	941.5	784.6	736.1	756.0	724.6	721.8	727.5	736.1
2273.8	62.5°	1455.0	1164.0	838.8	704.7	673.3	681.8	621.9	576.3	576.3	584.8
1991.3	65°	1169.7	975.7	724.6	613.4	587.7	582.0	496.4	433.6	427.9	453.6
1663.3	67.5°	961.4	810.2	610.5	510.7	493.6	499.3	436.5	373.7	368.0	396.6
1355.1	70°	796.0	653.3	487.8	393.7	410.8	436.5	373.7	313.8	305.3	330.9
1101.2	72.5°	633.3	510.7	373.7	291.0	339.5	370.9	305.3	248.2	242.5	265.3
850.2	75°	465.0	365.2	253.9	211.1	262.5	291.0	222.5	176.9	168.3	188.3
567.7	77.5°	288.1	205.4	159.8	125.5	179.7	194.0	117.0	102.7	99.9	114.1
345.2	80°	134.1	88.4	77.0	42.8	65.6	77.0	48.5	54.2	57.1	68.5
174.0	82.5°	37.1	14.3	2.9	0.0	0.0	22.8	11.4	22.8	28.5	42.8
14.3	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	14.3	25.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4
0.0	90°	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°	360°
5734.4	0°	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4	5734.4
5198.0	2.5°	5317.8	5432.0	5614.6	5802.8	5988.3	6176.6	6359.2	6424.8
4598.9	5°	4824.3	5086.8	5449.1	5837.1	6236.5	6641.6	7012.5	7180.8
3979.8	7.5°	4273.7	4650.3	5195.2	5802.8	6439.0	7075.2	7660.1	7931.1
3366.4	10°	3686.0	4162.4	4784.4	5606.0	6518.9	7397.6	8202.2	8553.1
2827.2	12.5°	3126.8	3626.1	4313.6	5297.9	6456.2	7583.1	8550.2	8963.9
2447.8	15°	2658.9	3101.1	3842.9	4932.7	6253.6	7594.5	8715.7	9169.3
2236.7	17.5°	2308.0	2596.2	3363.6	4527.6	5988.3	7488.9	8772.7	9257.7
2122.6	20°	2134.0	2213.9	2741.7	4008.4	5740.1	7389.1	8829.8	9340.5
2031.3	22.5°	2031.3	2051.3	2242.4	3337.9	5443.4	7357.7	8929.6	9454.6
1948.5	25°	1948.5	1954.3	2005.6	2644.7	4989.8	7337.7	9083.7	9611.5
1863.0	27.5°	1865.8	1865.8	1894.3	2131.1	4373.5	7252.1	9283.4	9799.8
1777.4	30°	1783.1	1783.1	1803.0	1885.8	3651.7	7083.8	9523.1	10045.1
1691.8	32.5°	1697.5	1697.5	1714.6	1774.5	2915.7	6872.7	9742.7	10293.3
1603.3	35°	1611.9	1606.2	1629.0	1691.8	2319.4	6604.5	9962.4	10561.5
1514.9	37.5°	1520.6	1517.8	1540.6	1611.9	2002.8	6293.5	10127.9	10926.7
1426.5	40°	1423.6	1423.6	1449.3	1526.3	1911.5	5902.7	10390.3	11451.6
1335.2	42.5°	1335.2	1329.5	1358.0	1452.1	1843.0	5529.0	10861.1	12216.2
1252.4	45°	1249.6	1238.2	1263.8	1380.8	1723.2	5397.7	11739.8	13346.0
1172.6	47.5°	1169.7	1141.2	1164.0	1295.2	1614.8	5888.4	13177.7	14912.2
1101.2	50°	1104.1	1049.9	1069.8	1209.6	1532.0	6952.6	15043.5	16992.0
1035.6	52.5°	1035.6	964.3	975.7	1104.1	1457.8	7965.4	17066.2	19736.5
970.0	55°	964.3	884.4	890.1	998.5	1352.3	8116.6	19040.4	23479.6
895.8	57.5°	884.4	810.2	810.2	901.5	1275.3	7035.3	20558.2	28124.1
804.5	60°	796.0	747.5	733.2	824.5	1343.7	4964.1	20735.0	31119.7
687.6	62.5°	699.0	673.3	653.3	750.3	1395.1	2941.4	19311.4	30395.0
542.1	65°	587.7	582.0	567.7	824.5	1175.4	1737.4	16578.3	28172.6
462.2	67.5°	493.6	485.0	485.0	864.4	893.0	1092.7	12952.3	25114.3
393.7	70°	425.1	393.7	393.7	653.3	542.1	756.0	9043.8	21813.4
325.2	72.5°	356.6	322.4	299.6	522.1	405.1	553.5	5651.6	18680.9
248.2	75°	285.3	259.6	231.1	345.2	302.4	419.4	3283.7	15477.1
156.9	77.5°	205.4	194.0	162.6	253.9	219.7	302.4	1954.3	11942.3
97.0	80°	105.6	108.4	102.7	145.5	148.4	205.4	1112.6	8173.6
62.8	82.5°	62.8	48.5	54.2	71.3	85.6	117.0	419.4	4804.3
45.6	85°	39.9	25.7	25.7	34.2	42.8	45.6	128.4	1948.5
22.8	87.5°	20.0	8.6	11.4	17.1	14.3	11.4	5.7	490.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)