

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: P954184

Luminaire Tested: **GALN-SB7C-735-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954184  
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-SB7C-735-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

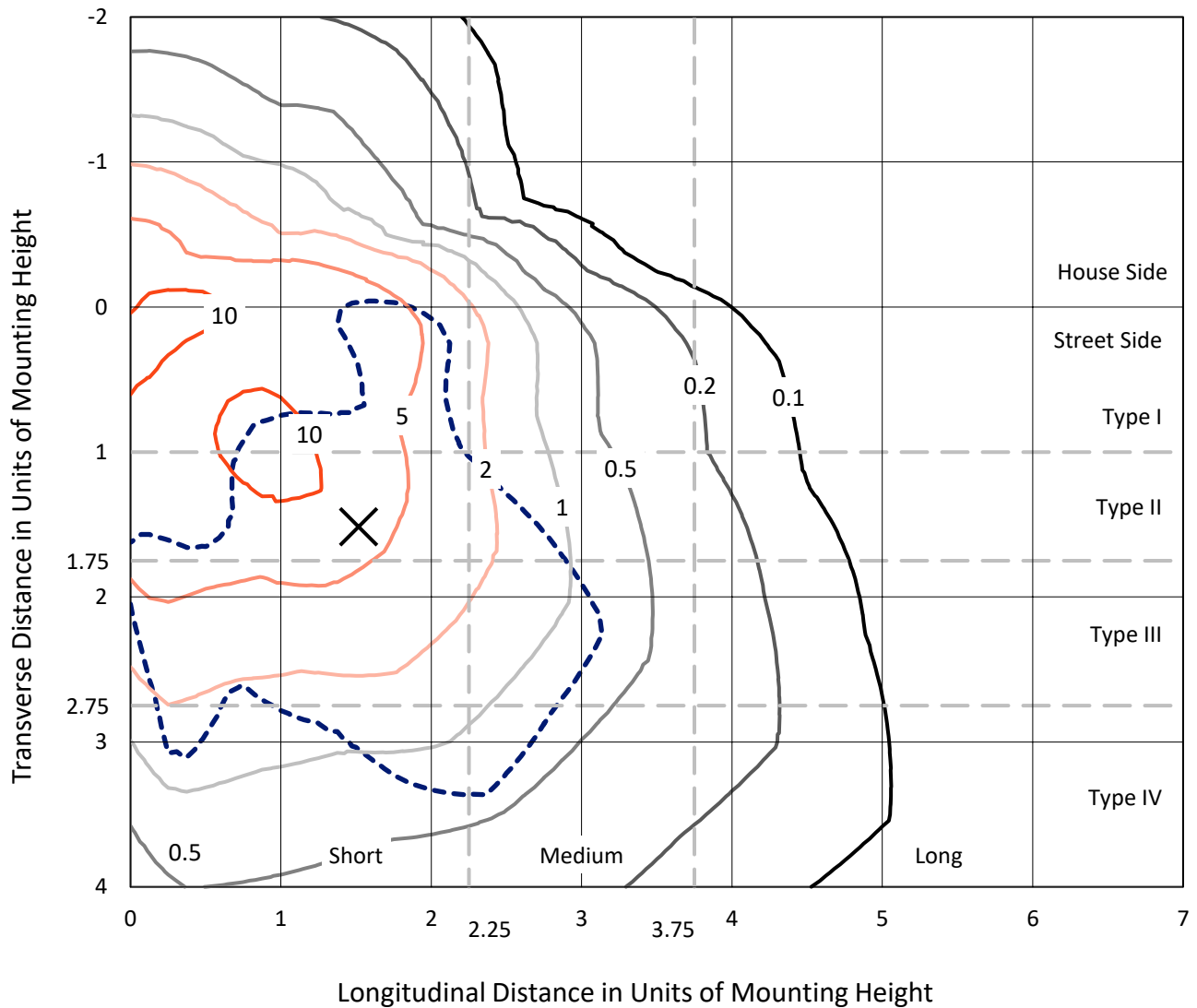
Lumens per Lamp: N/A  
Luminaire Lumens: 40648 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

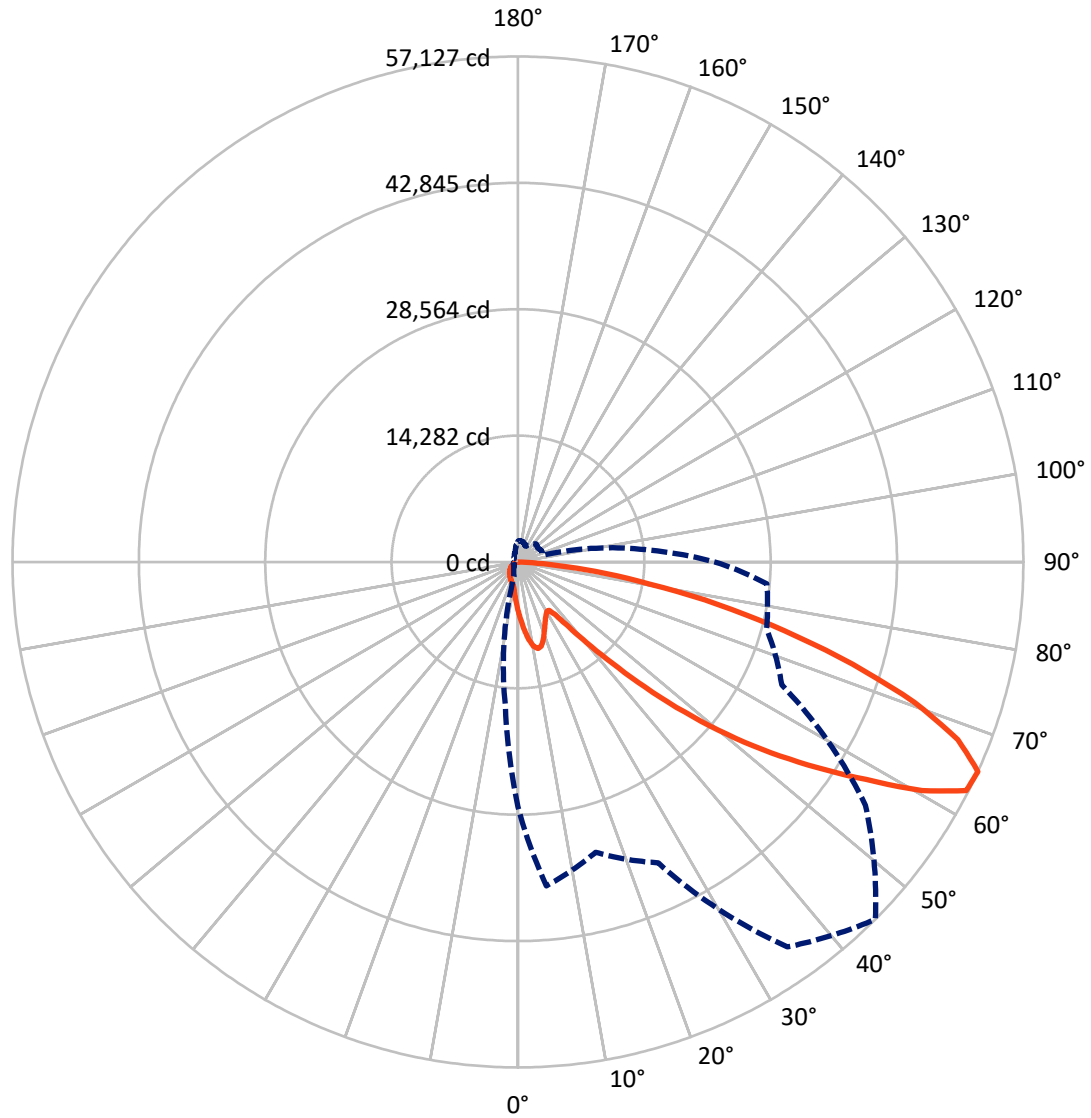
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 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
<b>House Side</b>	Lumens	8079.6	0.0	8079.6
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	32568.4	0.0	32568.4
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	40648.0	0.0	40648.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	554.1	1.4
10°-20°	1661.1	4.1
20°-30°	2447.2	6.0
30°-40°	3144.0	7.7
40°-50°	5084.8	12.5
50°-60°	8916.6	21.9
60°-70°	11157.2	27.4
70°-80°	6519.7	16.0
80°-90°	1163.2	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°	40648.0	100.0
0°-180°	40648.0	100.0

**Coefficient of Utilization**



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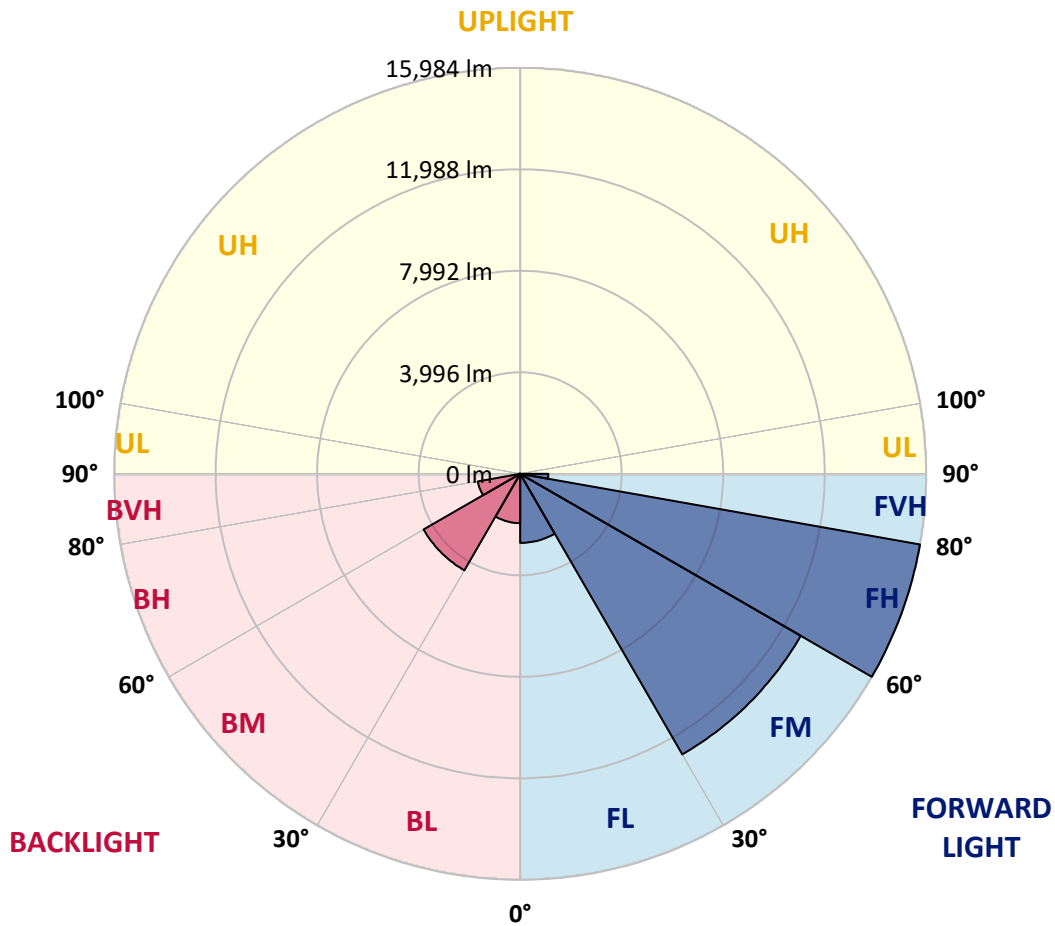
CATALOG NUMBER: GALN-SB7C-735-U-SLL-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2719.8	6.7			
FM (30°-60°)	12755.8	31.4			
FH (60°-80°)	15984.1	39.3			G5
FVH (80°-90°)	1108.7	2.7			G5
BL (0°-30°)	1942.7	4.8	B3/2500		
BM (30°-60°)	4389.6	10.8	B3/5000		
BH (60°-80°)	1692.8	4.2	B3/2500		G3/2500
BVH (80°-90°)	54.5	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°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
2.5°	6306.1	6353.7	6460.1	6516.1	6602.9	6608.5	6608.5	6532.9	6530.1	6376.1
5°	7048.2	7160.2	7412.2	7672.6	7728.6	7742.6	7714.6	7563.4	7451.4	7151.8
7.5°	7784.6	8000.2	8383.9	8731.1	8843.1	8843.1	8775.9	8529.5	8299.9	7865.8
10°	8395.1	8666.7	9187.5	9576.8	9705.6	9677.6	9540.4	9229.5	8913.1	8386.7
12.5°	8798.3	9103.5	9674.8	9988.4	10120.0	10047.2	9890.4	9588.0	9254.7	8700.3
15°	8999.9	9319.1	9814.8	9980.0	9943.6	9868.0	9848.4	9702.8	9450.8	8932.7
17.5°	9086.7	9383.5	9728.0	9624.4	9316.3	9257.5	9453.6	9638.4	9576.8	9134.3
20°	9167.9	9417.1	9520.8	9061.5	8523.9	8470.7	8845.9	9372.3	9641.2	9321.9
22.5°	9279.9	9433.9	9221.1	8467.9	7888.2	7765.0	8179.5	8971.9	9660.8	9560.0
25°	9433.9	9476.0	8890.7	7905.0	7322.6	7199.4	7585.8	8526.7	9627.2	9817.6
27.5°	9618.8	9532.0	8574.3	7434.6	6871.7	6756.9	7143.4	8098.2	9532.0	10075.2
30°	9859.6	9604.8	8260.7	7070.6	6549.7	6465.7	6838.1	7728.6	9414.3	10402.8
32.5°	10103.2	9635.6	7969.4	6857.7	6476.9	6507.7	6812.9	7529.8	9285.5	10716.5
35°	10366.4	9733.6	7826.6	7067.8	7084.6	7353.4	7479.4	7714.6	9265.9	11142.1
37.5°	10724.9	9952.0	7997.4	8112.2	8694.7	9251.9	9148.3	8619.1	9492.8	11777.7
40°	11240.1	10335.6	8742.3	9890.4	11086.1	11990.6	11595.7	10262.8	10187.2	12693.4
42.5°	11990.6	10946.1	10064.0	12063.4	14090.7	15580.4	14522.0	12382.6	11402.5	14001.1
45°	13099.4	11934.5	11662.9	14356.7	17795.4	20142.0	17941.0	14642.4	13105.0	15980.9
47.5°	14636.8	13387.9	13161.0	16773.3	22298.2	25333.6	21732.5	16736.9	15042.8	18680.3
50°	16678.1	15345.2	14580.8	19416.7	27235.0	30626.0	25521.2	18758.7	17263.4	21978.9
52.5°	19371.9	18075.4	16235.7	21934.1	32311.8	35806.4	29326.7	20534.0	20018.8	25806.9
55°	23045.8	22183.4	18498.3	24336.7	37385.8	41017.7	32983.8	22208.6	23659.1	30354.4
57.5°	27604.6	28220.6	21760.5	27123.0	41947.3	46388.5	36657.7	24549.6	28385.9	35439.6
60°	30544.8	36248.9	28007.8	31242.1	47130.5	52462.2	41692.5	29001.9	33353.5	37262.6
62.5°	29833.6	38802.7	35490.0	36500.9	51896.5	56878.1	46626.5	33473.9	34288.7	34577.1
65°	27652.2	36741.7	33963.9	37523.0	53103.4	57127.3	47945.4	32897.0	29085.9	28229.0
67.5°	24650.4	34297.1	30337.6	34812.4	50922.0	53643.9	45489.6	29099.9	22477.4	21183.7
70°	21410.5	31592.1	27957.4	31771.3	46763.7	47573.0	41314.5	25594.0	16532.5	14306.3
72.5°	18335.9	28775.1	26327.7	28654.7	41216.5	39541.9	35879.3	22494.2	12038.2	10318.8
75°	15191.2	24619.6	24006.3	24952.8	33921.9	31146.9	29811.2	18624.3	9448.0	7465.4
77.5°	11721.7	19237.5	20648.8	19982.4	23877.5	23135.4	23107.4	13995.5	6902.5	4981.6
80°	8022.6	13407.5	16132.1	14096.3	15496.4	15118.4	17403.4	9389.1	5006.8	2999.0
82.5°	4715.6	8162.6	11228.9	6824.1	8568.7	8795.5	10363.6	4567.2	2945.8	691.7
85°	1912.6	3223.1	4390.7	2671.4	4133.1	3486.3	3934.3	1282.5	820.5	16.8
87.5°	481.6	1030.5	722.5	299.6	478.8	439.6	347.2	156.8	33.6	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°
5628.4	0°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
6359.3	2.5°	6250.1	6185.7	6026.1	5866.5	5737.7	5564.0	5449.2	5312.0	5180.4	5062.8
7087.4	5°	6910.9	6698.1	6406.9	6140.9	5869.3	5606.0	5345.6	5071.2	4819.2	4665.2
7703.4	7.5°	7448.6	7073.4	6686.9	6348.1	6020.5	5712.5	5368.0	5034.8	4640.0	4430.0
8173.8	10°	7849.0	7356.2	6849.3	6460.1	6129.7	5830.1	5538.8	5202.8	4726.8	4463.6
8459.5	12.5°	8112.2	7527.0	6933.4	6488.1	6118.5	5886.1	5757.3	5625.6	5152.4	4844.4
8669.5	15°	8294.3	7647.4	6992.2	6423.7	5970.1	5799.3	5928.1	6079.3	5776.9	5421.2
8887.9	17.5°	8493.1	7804.2	7017.4	6250.1	5681.7	5608.8	5942.1	6292.1	6278.1	5925.3
9095.1	20°	8703.1	7941.4	7000.6	5970.1	5331.6	5396.0	5821.7	6227.7	6398.5	6208.1
9333.1	22.5°	8918.7	8073.0	6936.2	5606.0	5004.0	5205.6	5631.2	5986.9	6188.5	6129.7
9624.4	25°	9190.3	8257.9	6840.9	5214.0	4732.4	5012.4	5410.0	5698.5	5838.5	5835.7
9938.0	27.5°	9515.2	8504.3	6790.5	4897.6	4539.2	4794.0	5146.8	5404.4	5502.4	5502.4
10327.2	30°	9893.2	8795.5	6734.5	4690.4	4427.2	4567.2	4841.6	5093.6	5191.6	5191.6
10752.9	32.5°	10313.2	9075.5	6600.1	4564.4	4343.1	4345.9	4519.6	4749.2	4866.8	4883.6
11284.9	35°	10817.3	9375.1	6306.1	4463.6	4245.1	4130.3	4214.3	4404.8	4544.8	4581.2
12043.8	37.5°	11478.1	9742.0	5886.1	4315.1	4093.9	3903.5	3923.1	4068.7	4222.7	4278.7
13091.0	40°	12365.8	10173.2	5449.2	4102.3	3881.1	3654.3	3645.9	3752.3	3903.5	3965.1
14508.0	42.5°	13539.1	10691.2	5032.0	3897.9	3623.5	3391.1	3377.1	3461.1	3592.7	3657.1
16378.5	45°	15040.0	11326.9	4673.6	3738.3	3371.5	3141.8	3136.2	3206.3	3321.1	3388.3
18772.7	47.5°	17126.2	11962.6	4430.0	3654.3	3172.7	2937.4	2948.6	3010.2	3113.8	3161.5
21872.5	50°	19845.2	12155.8	4306.7	3654.3	3066.2	2755.4	2811.4	2861.8	2940.2	2968.2
25588.4	52.5°	22455.0	11517.3	4194.7	3676.7	3080.2	2601.4	2721.8	2758.2	2825.4	2836.6
29032.7	55°	23734.7	9901.6	4040.7	3682.3	3167.1	2469.8	2649.0	2716.2	2741.4	2738.6
31032.1	57.5°	23295.1	8005.8	3780.3	3659.9	3225.9	2385.8	2559.4	2688.2	2705.0	2679.8
30651.2	60°	21752.1	5894.5	3581.5	3494.7	3203.5	2360.6	2422.2	2626.6	2651.8	2618.2
27716.6	62.5°	19164.7	4091.1	3427.5	3130.6	3105.4	2352.2	2206.6	2492.2	2553.8	2506.2
22278.6	65°	15087.6	2889.8	2951.4	2744.2	2892.6	2307.4	1982.6	2329.8	2413.8	2341.0
16162.9	67.5°	10209.6	2086.2	2391.4	2486.6	2548.2	2206.6	1820.1	2145.0	2257.0	2161.8
10372.0	70°	5513.6	1464.5	1579.3	2094.6	2164.6	2033.0	1674.5	1957.4	2086.2	1982.6
7373.0	72.5°	3256.7	1052.9	1106.1	1682.9	1803.3	1789.3	1512.1	1738.9	1895.8	1772.5
5088.0	75°	1794.9	711.3	789.7	1220.9	1464.5	1380.5	1299.3	1472.9	1632.5	1512.1
3189.5	77.5°	803.7	425.6	548.8	800.9	1150.9	946.5	1005.3	1148.1	1296.5	1170.5
1775.3	80°	310.8	238.0	364.0	436.8	837.3	523.6	646.9	845.7	952.1	851.3
386.4	82.5°	39.2	106.4	156.8	170.8	487.2	277.2	375.2	532.0	523.6	453.6
0.0	85°	0.0	19.6	22.4	11.2	210.0	100.8	123.2	173.6	162.4	123.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	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°
5628.4	0°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
5040.4	2.5°	4903.2	4802.4	4752.0	4710.0	4749.2	4771.6	4771.6	4866.8	4922.8	4945.2
4567.2	5°	4320.7	4133.1	4007.1	3931.5	3956.7	3984.7	4015.5	4135.9	4217.1	4270.3
4239.5	7.5°	3861.5	3575.9	3399.5	3307.1	3321.1	3340.7	3365.9	3483.5	3564.7	3634.7
4177.9	10°	3634.7	3231.5	2999.0	2887.0	2867.4	2856.2	2847.8	2917.8	2979.4	3035.4
4430.0	12.5°	3645.9	3083.0	2800.2	2663.0	2604.2	2537.0	2483.8	2495.0	2534.2	2604.2
4880.8	15°	3788.7	3035.4	2696.6	2525.8	2427.8	2349.4	2285.0	2271.0	2285.0	2296.2
5396.0	17.5°	3981.9	3029.8	2607.0	2394.2	2293.4	2229.0	2170.2	2150.6	2153.4	2167.4
5737.7	20°	4135.9	3013.0	2506.2	2268.2	2178.6	2122.6	2063.8	2044.2	2049.8	2052.6
5771.3	22.5°	4217.1	2987.8	2394.2	2142.2	2066.6	2010.6	1957.4	1954.6	1954.6	1971.4
5589.2	25°	4217.1	2934.6	2293.4	2021.8	1954.6	1904.2	1839.7	1850.9	1856.5	1878.9
5306.4	27.5°	4116.3	2833.8	2212.2	1918.2	1848.1	1797.7	1738.9	1752.9	1761.3	1786.5
5026.4	30°	3987.5	2713.4	2119.8	1820.1	1738.9	1702.5	1652.1	1657.7	1668.9	1696.9
4766.0	32.5°	3850.3	2570.6	2044.2	1722.1	1640.9	1612.9	1556.9	1565.3	1576.5	1607.3
4508.4	35°	3699.1	2402.6	1954.6	1632.5	1551.3	1528.9	1464.5	1470.1	1486.9	1520.5
4231.1	37.5°	3539.5	2265.4	1864.9	1545.7	1461.7	1439.3	1372.1	1377.7	1397.3	1436.5
3939.9	40°	3382.7	2131.0	1769.7	1453.3	1369.3	1349.7	1276.9	1282.5	1304.9	1346.9
3645.9	42.5°	3211.9	2027.4	1646.5	1358.1	1268.5	1248.9	1181.7	1190.1	1215.3	1257.3
3374.3	45°	3007.4	1960.2	1509.3	1268.5	1167.7	1148.1	1086.5	1103.3	1131.3	1173.3
3141.8	47.5°	2797.4	1932.2	1394.5	1173.3	1064.1	1047.3	996.9	1024.9	1055.7	1089.3
2943.0	50°	2595.8	1895.8	1276.9	1083.7	974.5	957.7	924.1	960.5	991.3	1022.1
2800.2	52.5°	2366.2	1817.3	1170.5	1005.3	898.9	893.3	876.5	910.1	938.1	966.1
2677.0	55°	2128.2	1691.3	1078.1	935.3	834.5	840.1	831.7	859.7	882.1	907.3
2565.0	57.5°	1921.0	1531.7	1005.3	859.7	778.5	795.3	784.1	798.1	812.1	842.9
2430.6	60°	1710.9	1341.3	924.1	770.1	722.5	742.1	711.3	708.5	714.1	722.5
2231.8	62.5°	1428.1	1142.5	823.3	691.7	660.9	669.3	610.4	565.6	565.6	574.0
1954.6	65°	1148.1	957.7	711.3	602.0	576.8	571.2	487.2	425.6	420.0	445.2
1632.5	67.5°	943.7	795.3	599.2	501.2	484.4	490.0	428.4	366.8	361.2	389.2
1330.1	70°	781.3	641.3	478.8	386.4	403.2	428.4	366.8	308.0	299.6	324.8
1080.9	72.5°	621.6	501.2	366.8	285.6	333.2	364.0	299.6	243.6	238.0	260.4
834.5	75°	456.4	358.4	249.2	207.2	257.6	285.6	218.4	173.6	165.2	184.8
557.2	77.5°	282.8	201.6	156.8	123.2	176.4	190.4	114.8	100.8	98.0	112.0
338.8	80°	131.6	86.8	75.6	42.0	64.4	75.6	47.6	53.2	56.0	67.2
170.8	82.5°	36.4	14.0	2.8	0.0	0.0	22.4	11.2	22.4	28.0	42.0
14.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	14.0	25.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2
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):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
5628.4	0°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
5102.0	2.5°	5219.6	5331.6	5510.8	5695.7	5877.7	6062.5	6241.7	6306.1
4514.0	5°	4735.2	4992.8	5348.4	5729.3	6121.3	6518.9	6882.9	7048.2
3906.3	7.5°	4194.7	4564.4	5099.2	5695.7	6320.1	6944.6	7518.6	7784.6
3304.3	10°	3617.9	4085.5	4696.0	5502.4	6398.5	7261.0	8050.6	8395.1
2775.0	12.5°	3069.0	3559.1	4233.9	5200.0	6336.9	7443.0	8392.3	8798.3
2402.6	15°	2609.8	3043.8	3771.9	4841.6	6138.1	7454.2	8554.7	8999.9
2195.4	17.5°	2265.4	2548.2	3301.5	4444.0	5877.7	7350.6	8610.7	9086.7
2083.4	20°	2094.6	2173.0	2691.0	3934.3	5634.0	7252.6	8666.7	9167.9
1993.8	22.5°	1993.8	2013.4	2201.0	3276.3	5342.8	7221.8	8764.7	9279.9
1912.6	25°	1912.6	1918.2	1968.6	2595.8	4897.6	7202.2	8915.9	9433.9
1828.5	27.5°	1831.3	1831.3	1859.3	2091.8	4292.7	7118.2	9111.9	9618.8
1744.5	30°	1750.1	1750.1	1769.7	1850.9	3584.3	6953.0	9347.1	9859.6
1660.5	32.5°	1666.1	1666.1	1682.9	1741.7	2861.8	6745.7	9562.8	10103.2
1573.7	35°	1582.1	1576.5	1598.9	1660.5	2276.6	6482.5	9778.4	10366.4
1486.9	37.5°	1492.5	1489.7	1512.1	1582.1	1965.8	6177.3	9940.8	10724.9
1400.1	40°	1397.3	1397.3	1422.5	1498.1	1876.1	5793.7	10198.4	11240.1
1310.5	42.5°	1310.5	1304.9	1332.9	1425.3	1808.9	5426.8	10660.4	11990.6
1229.3	45°	1226.5	1215.3	1240.5	1355.3	1691.3	5298.0	11522.9	13099.4
1150.9	47.5°	1148.1	1120.1	1142.5	1271.3	1584.9	5779.7	12934.2	14636.8
1080.9	50°	1083.7	1030.5	1050.1	1187.3	1503.7	6824.1	14765.6	16678.1
1016.5	52.5°	1016.5	946.5	957.7	1083.7	1430.9	7818.2	16750.9	19371.9
952.1	55°	946.5	868.1	873.7	980.1	1327.3	7966.6	18688.7	23045.8
879.3	57.5°	868.1	795.3	795.3	884.9	1251.7	6905.3	20178.4	27604.6
789.7	60°	781.3	733.7	719.7	809.3	1318.9	4872.4	20352.0	30544.8
674.9	62.5°	686.1	660.9	641.3	736.5	1369.3	2887.0	18954.7	29833.6
532.0	65°	576.8	571.2	557.2	809.3	1153.7	1705.3	16272.1	27652.2
453.6	67.5°	484.4	476.0	476.0	848.5	876.5	1072.5	12713.0	24650.4
386.4	70°	417.2	386.4	386.4	641.3	532.0	742.1	8876.7	21410.5
319.2	72.5°	350.0	316.4	294.0	512.4	397.6	543.2	5547.2	18335.9
243.6	75°	280.0	254.8	226.8	338.8	296.8	411.6	3223.1	15191.2
154.0	77.5°	201.6	190.4	159.6	249.2	215.6	296.8	1918.2	11721.7
95.2	80°	103.6	106.4	100.8	142.8	145.6	201.6	1092.1	8022.6
61.6	82.5°	61.6	47.6	53.2	70.0	84.0	114.8	411.6	4715.6
44.8	85°	39.2	25.2	25.2	33.6	42.0	44.8	126.0	1912.6
22.4	87.5°	19.6	8.4	11.2	16.8	14.0	11.2	5.6	481.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)