

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: P953134

Luminaire Tested: **GALN-SB6D-740-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953134  
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-SB6D-740-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

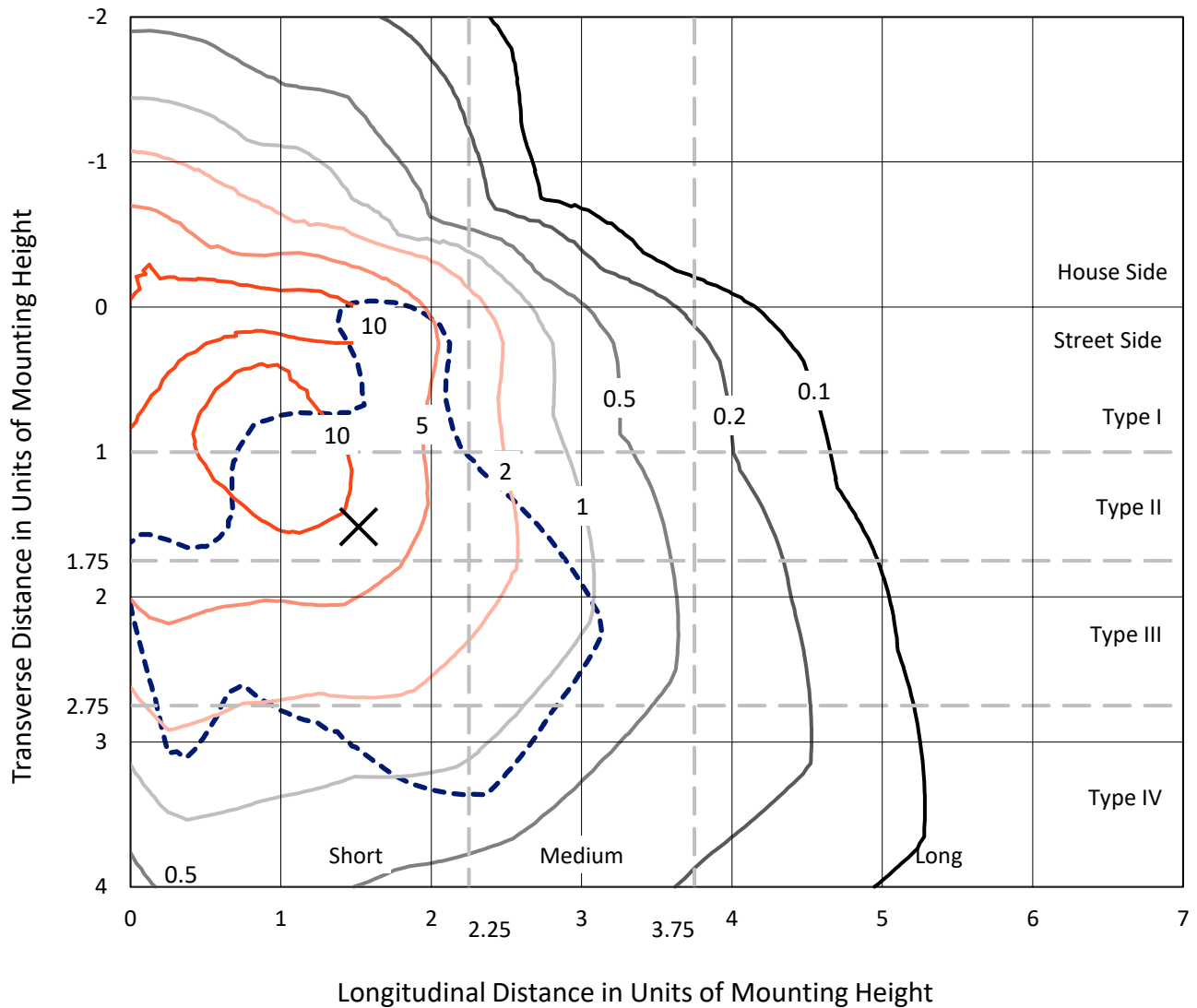
Lumens per Lamp: N/A  
Luminaire Lumens: 49825 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

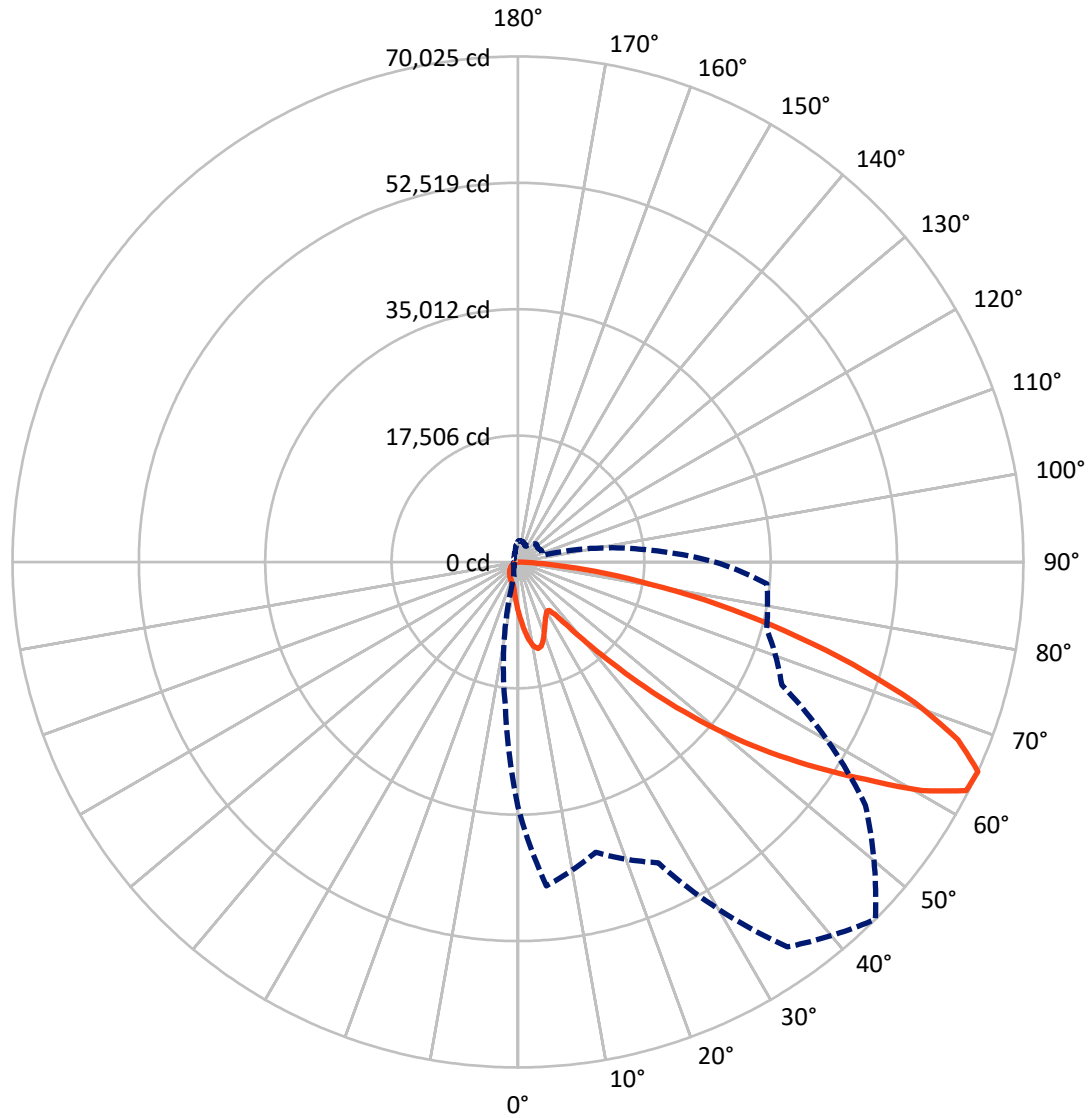
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 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
<b>House Side</b>	Lumens	9903.7	0.0	9903.7
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	39921.3	0.0	39921.3
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	49825.0	0.0	49825.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	679.2	1.4
10°-20°	2036.2	4.1
20°-30°	2999.7	6.0
30°-40°	3853.8	7.7
40°-50°	6232.8	12.5
50°-60°	10929.7	21.9
60°-70°	13676.1	27.4
70°-80°	7991.7	16.0
80°-90°	1425.8	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°	49825.0	100.0
0°-180°	49825.0	100.0

**Coefficient of Utilization**



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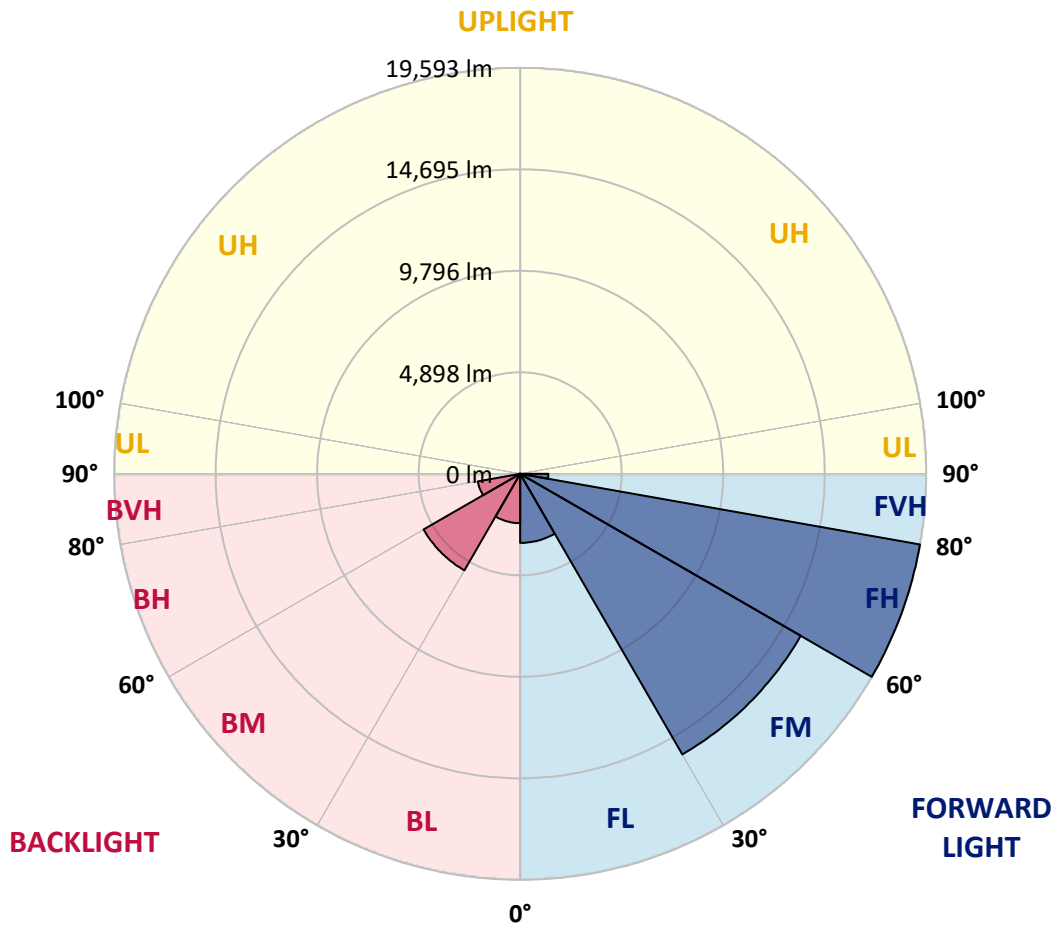
CATALOG NUMBER: GALN-SB6D-740-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3333.9	6.7			
FM (30°-60°)	15635.7	31.4			
FH (60°-80°)	19592.7	39.3			G5
FVH (80°-90°)	1359.0	2.7			G5
BL (0°-30°)	2381.3	4.8	B3/2500		
BM (30°-60°)	5380.6	10.8	B4/8500		
BH (60°-80°)	2075.0	4.2	B3/2500		G3/2500
BVH (80°-90°)	66.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2
2.5°	7729.8	7788.2	7918.6	7987.2	8093.7	8100.5	8100.5	8007.8	8004.4	7815.6
5°	8639.4	8776.7	9085.6	9404.8	9473.5	9490.6	9456.3	9271.0	9133.7	8766.4
7.5°	9542.1	9806.4	10276.7	10702.3	10839.6	10839.6	10757.2	10455.2	10173.7	9641.7
10°	10290.4	10623.3	11261.8	11738.9	11896.8	11862.5	11694.3	11313.3	10925.4	10280.1
12.5°	10784.7	11158.8	11859.0	12243.4	12404.8	12315.5	12123.3	11752.6	11344.2	10664.5
15°	11031.8	11423.1	12030.6	12233.2	12188.5	12095.9	12071.8	11893.3	11584.4	10949.4
17.5°	11138.2	11502.0	11924.2	11797.2	11419.7	11347.6	11587.9	11814.4	11738.9	11196.6
20°	11237.7	11543.2	11670.2	11107.3	10448.3	10383.1	10843.0	11488.3	11817.8	11426.5
22.5°	11375.0	11563.8	11303.0	10379.6	9669.1	9518.1	10026.1	10997.5	11841.9	11718.3
25°	11563.8	11615.3	10897.9	9689.7	8975.8	8824.8	9298.4	10451.7	11800.7	12034.1
27.5°	11790.4	11684.0	10510.1	9113.1	8423.2	8282.4	8756.1	9926.6	11684.0	12349.9
30°	12085.6	11773.2	10125.6	8666.9	8028.4	7925.5	8382.0	9473.5	11539.8	12751.4
32.5°	12384.2	11811.0	9768.7	8406.0	7939.2	7976.9	8351.1	9229.8	11381.9	13135.9
35°	12706.8	11931.1	9593.6	8663.4	8684.0	9013.5	9168.0	9456.3	11357.9	13657.6
37.5°	13146.2	12198.8	9803.0	9943.7	10657.7	11340.7	11213.7	10565.0	11635.9	14436.8
40°	13777.7	12669.1	10716.0	12123.3	13589.0	14697.6	14213.7	12579.8	12487.2	15559.2
42.5°	14697.6	13417.3	12336.1	14786.9	17271.9	19098.0	17800.5	15178.2	13976.8	17162.1
45°	16056.9	14629.0	14296.0	17598.0	21813.0	24689.4	21991.5	17948.1	16063.7	19588.8
47.5°	17941.3	16410.4	16132.4	20560.2	27332.4	31053.1	26639.0	20515.6	18439.0	22897.7
50°	20443.5	18809.7	17872.6	23800.4	33383.7	37540.4	31283.1	22993.8	21160.9	26941.1
52.5°	23745.5	22156.3	19901.2	26886.2	39606.7	43890.4	35947.8	25170.0	24538.4	31633.2
55°	28248.8	27191.6	22674.6	29831.2	45826.3	50278.1	40430.5	27222.5	29000.5	37207.5
57.5°	33836.8	34591.9	26673.4	33246.4	51417.7	56861.5	44933.8	30092.0	34794.5	43440.7
60°	37440.9	44432.7	34331.1	38295.5	57771.1	64306.4	51105.3	35549.6	40883.6	45675.2
62.5°	36569.0	47563.1	43502.5	44741.6	63613.1	69719.4	57153.3	41031.2	42030.0	42383.5
65°	33895.2	45036.8	41631.8	45994.5	65092.5	70024.8	58769.9	40324.1	35652.6	34602.2
67.5°	30215.6	42040.3	37186.9	42671.9	62418.6	65754.9	55759.7	35669.7	27552.1	25966.3
70°	26244.3	38724.6	34269.3	38944.3	57321.4	58313.4	50642.0	31372.3	20265.0	17536.2
72.5°	22475.5	35271.6	32271.6	35124.0	50521.8	48469.2	43979.6	27572.6	14756.0	12648.5
75°	18620.9	30177.9	29426.2	30586.3	41580.4	38178.8	36541.6	22829.0	11581.0	9150.8
77.5°	14368.1	23580.7	25310.7	24493.8	29268.3	28358.7	28324.3	17155.2	8460.9	6106.3
80°	9833.9	16434.4	19774.2	17278.8	18995.0	18531.6	21332.5	11508.9	6137.2	3676.1
82.5°	5780.2	10005.5	13764.0	8364.8	10503.2	10781.2	12703.4	5598.3	3610.9	847.8
85°	2344.3	3950.7	5382.0	3274.5	5066.3	4273.4	4822.6	1572.0	1005.7	20.6
87.5°	590.4	1263.1	885.6	367.3	586.9	538.9	425.6	192.2	41.2	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°
6899.2	0°	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2
7795.0	2.5°	7661.2	7582.2	7386.6	7190.9	7033.0	6820.2	6679.5	6511.3	6350.0	6205.8
8687.5	5°	8471.2	8210.4	7853.4	7527.3	7194.4	6871.7	6552.5	6216.1	5907.2	5718.4
9442.6	7.5°	9130.2	8670.3	8196.6	7781.3	7379.7	7002.1	6580.0	6171.5	5687.5	5430.1
10019.2	10°	9621.1	9017.0	8395.7	7918.6	7513.6	7146.3	6789.3	6377.4	5793.9	5471.3
10369.3	12.5°	9943.7	9226.4	8498.7	7952.9	7499.8	7215.0	7057.1	6895.7	6315.7	5938.1
10626.8	15°	10166.8	9373.9	8570.8	7874.0	7317.9	7108.5	7266.4	7451.8	7081.1	6645.2
10894.5	17.5°	10410.5	9566.2	8601.6	7661.2	6964.4	6875.1	7283.6	7712.7	7695.5	7263.0
11148.5	20°	10668.0	9734.3	8581.1	7317.9	6535.3	6614.3	7136.0	7633.7	7843.1	7609.7
11440.3	22.5°	10932.3	9895.7	8502.1	6871.7	6133.7	6380.9	6902.6	7338.5	7585.7	7513.6
11797.2	25°	11265.2	10122.2	8385.4	6391.2	5800.8	6144.0	6631.4	6985.0	7156.6	7153.2
12181.7	27.5°	11663.4	10424.3	8323.6	6003.3	5564.0	5876.3	6308.8	6624.6	6744.7	6744.7
12658.8	30°	12126.7	10781.2	8255.0	5749.3	5426.7	5598.3	5934.7	6243.6	6363.7	6363.7
13180.5	32.5°	12641.6	11124.5	8090.2	5594.8	5323.7	5327.1	5539.9	5821.4	5965.5	5986.1
13832.7	35°	13259.4	11491.7	7729.8	5471.3	5203.6	5062.8	5165.8	5399.2	5570.8	5615.4
14762.8	37.5°	14069.5	11941.4	7215.0	5289.4	5018.2	4784.8	4808.8	4987.3	5176.1	5244.7
16046.6	40°	15157.6	12470.0	6679.5	5028.5	4757.3	4479.3	4469.0	4599.4	4784.8	4860.3
17783.4	42.5°	16595.8	13105.0	6168.1	4777.9	4441.6	4156.7	4139.5	4242.5	4403.8	4482.7
20076.2	45°	18435.5	13884.1	5728.7	4582.3	4132.6	3851.2	3844.3	3930.1	4070.9	4153.2
23011.0	47.5°	20992.7	14663.3	5430.1	4479.3	3888.9	3600.6	3614.3	3689.9	3816.9	3875.2
26810.6	50°	24325.6	14900.1	5279.1	4479.3	3758.5	3377.5	3446.2	3507.9	3604.0	3638.4
31365.5	52.5°	27524.6	14117.6	5141.8	4506.8	3775.7	3188.7	3336.3	3380.9	3463.3	3477.0
35587.4	55°	29093.2	12137.0	4953.0	4513.6	3882.1	3027.4	3247.1	3329.4	3360.3	3356.9
38038.1	57.5°	28554.3	9813.3	4633.8	4486.2	3954.2	2924.4	3137.2	3295.1	3315.7	3284.8
37571.3	60°	26663.1	7225.2	4390.1	4283.7	3926.7	2893.5	2969.0	3219.6	3250.5	3209.3
33974.1	62.5°	23491.5	5014.8	4201.3	3837.4	3806.6	2883.2	2704.7	3054.9	3130.4	3072.0
27308.3	65°	18493.9	3542.3	3617.8	3363.8	3545.7	2828.3	2430.2	2855.8	2958.7	2869.5
19811.9	67.5°	12514.6	2557.2	2931.3	3048.0	3123.5	2704.7	2231.1	2629.2	2766.5	2649.8
12713.7	70°	6758.4	1795.2	1935.9	2567.5	2653.3	2491.9	2052.6	2399.3	2557.2	2430.2
9037.6	72.5°	3991.9	1290.6	1355.8	2062.9	2210.5	2193.3	1853.5	2131.5	2323.7	2172.7
6236.7	75°	2200.2	871.8	967.9	1496.5	1795.2	1692.2	1592.6	1805.5	2001.1	1853.5
3909.5	77.5°	985.1	521.7	672.8	981.7	1410.7	1160.2	1232.2	1407.3	1589.2	1434.8
2176.2	80°	381.0	291.8	446.2	535.5	1026.3	641.9	792.9	1036.6	1167.0	1043.5
473.7	82.5°	48.1	130.4	192.2	209.4	597.2	339.8	459.9	652.2	641.9	556.1
0.0	85°	0.0	24.0	27.5	13.7	257.4	123.6	151.0	212.8	199.1	151.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	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°
6899.2	0°	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2
6178.4	2.5°	6010.2	5886.6	5824.8	5773.3	5821.4	5848.8	5848.8	5965.5	6034.2	6061.7
5598.3	5°	5296.2	5066.3	4911.8	4819.1	4850.0	4884.3	4922.1	5069.7	5169.2	5234.4
5196.7	7.5°	4733.3	4383.2	4167.0	4053.7	4070.9	4094.9	4125.8	4269.9	4369.5	4455.3
5121.2	10°	4455.3	3961.0	3676.1	3538.8	3514.8	3501.1	3490.8	3576.6	3652.1	3720.7
5430.1	12.5°	4469.0	3779.1	3432.4	3264.2	3192.2	3109.8	3044.6	3058.3	3106.3	3192.2
5982.7	15°	4644.1	3720.7	3305.4	3096.0	2975.9	2879.8	2800.9	2783.7	2800.9	2814.6
6614.3	17.5°	4880.9	3713.9	3195.6	2934.7	2811.2	2732.2	2660.1	2636.1	2639.5	2656.7
7033.0	20°	5069.7	3693.3	3072.0	2780.3	2670.4	2601.8	2529.7	2505.7	2512.5	2516.0
7074.2	22.5°	5169.2	3662.4	2934.7	2625.8	2533.1	2464.5	2399.3	2395.8	2395.8	2416.4
6851.1	25°	5169.2	3597.2	2811.2	2478.2	2395.8	2334.0	2255.1	2268.8	2275.7	2303.2
6504.4	27.5°	5045.7	3473.6	2711.6	2351.2	2265.4	2203.6	2131.5	2148.7	2159.0	2189.9
6161.2	30°	4887.8	3326.0	2598.3	2231.1	2131.5	2086.9	2025.1	2032.0	2045.7	2080.0
5842.0	32.5°	4719.6	3151.0	2505.7	2110.9	2011.4	1977.1	1908.4	1918.7	1932.5	1970.2
5526.2	35°	4534.2	2945.0	2395.8	2001.1	1901.6	1874.1	1795.2	1802.0	1822.6	1863.8
5186.4	37.5°	4338.6	2776.8	2286.0	1894.7	1791.7	1764.3	1681.9	1688.8	1712.8	1760.8
4829.4	40°	4146.4	2612.1	2169.3	1781.4	1678.5	1654.4	1565.2	1572.0	1599.5	1651.0
4469.0	42.5°	3937.0	2485.1	2018.3	1664.7	1554.9	1530.9	1448.5	1458.8	1489.7	1541.2
4136.1	45°	3686.4	2402.7	1850.1	1554.9	1431.3	1407.3	1331.8	1352.4	1386.7	1438.2
3851.2	47.5°	3429.0	2368.4	1709.3	1438.2	1304.3	1283.7	1221.9	1256.3	1294.0	1335.2
3607.5	50°	3181.9	2323.7	1565.2	1328.3	1194.5	1173.9	1132.7	1177.3	1215.1	1252.8
3432.4	52.5°	2900.4	2227.6	1434.8	1232.2	1101.8	1094.9	1074.3	1115.5	1149.9	1184.2
3281.4	55°	2608.6	2073.2	1321.5	1146.4	1022.9	1029.7	1019.4	1053.8	1081.2	1112.1
3144.1	57.5°	2354.6	1877.5	1232.2	1053.8	954.2	974.8	961.1	978.2	995.4	1033.2
2979.3	60°	2097.2	1644.1	1132.7	943.9	885.6	909.6	871.8	868.4	875.3	885.6
2735.6	62.5°	1750.5	1400.4	1009.1	847.8	810.1	820.3	748.3	693.3	693.3	703.6
2395.8	65°	1407.3	1173.9	871.8	738.0	707.1	700.2	597.2	521.7	514.9	545.8
2001.1	67.5°	1156.7	974.8	734.5	614.4	593.8	600.7	525.2	449.6	442.8	477.1
1630.4	70°	957.6	786.0	586.9	473.7	494.3	525.2	449.6	377.6	367.3	398.2
1324.9	72.5°	762.0	614.4	449.6	350.1	408.5	446.2	367.3	298.6	291.8	319.2
1022.9	75°	559.5	439.4	305.5	254.0	315.8	350.1	267.7	212.8	202.5	226.5
683.1	77.5°	346.7	247.1	192.2	151.0	216.2	233.4	140.7	123.6	120.1	137.3
415.3	80°	161.3	106.4	92.7	51.5	78.9	92.7	58.4	65.2	68.6	82.4
209.4	82.5°	44.6	17.2	3.4	0.0	0.0	27.5	13.7	27.5	34.3	51.5
17.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	17.2	30.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7
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°
6899.2	0°	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2	6899.2
6253.9	2.5°	6398.0	6535.3	6755.0	6981.5	7204.7	7431.2	7650.9	7729.8
5533.1	5°	5804.2	6120.0	6555.9	7022.7	7503.3	7990.7	8436.9	8639.4
4788.2	7.5°	5141.8	5594.8	6250.4	6981.5	7747.0	8512.4	9216.1	9542.1
4050.3	10°	4434.7	5007.9	5756.2	6744.7	7843.1	8900.3	9868.2	10290.4
3401.5	12.5°	3761.9	4362.6	5189.8	6374.0	7767.6	9123.4	10287.0	10784.7
2945.0	15°	3199.0	3731.0	4623.5	5934.7	7523.9	9137.1	10486.0	11031.8
2691.0	17.5°	2776.8	3123.5	4046.8	5447.3	7204.7	9010.1	10554.7	11138.2
2553.7	20°	2567.5	2663.6	3298.6	4822.6	6906.0	8890.0	10623.3	11237.7
2443.9	22.5°	2443.9	2467.9	2697.9	4015.9	6549.1	8852.2	10743.5	11375.0
2344.3	25°	2344.3	2351.2	2413.0	3181.9	6003.3	8828.2	10928.8	11563.8
2241.4	27.5°	2244.8	2244.8	2279.1	2564.0	5261.9	8725.2	11169.1	11790.4
2138.4	30°	2145.3	2145.3	2169.3	2268.8	4393.5	8522.7	11457.4	12085.6
2035.4	32.5°	2042.3	2042.3	2062.9	2135.0	3507.9	8268.7	11721.7	12384.2
1929.0	35°	1939.3	1932.5	1959.9	2035.4	2790.6	7946.1	11986.0	12706.8
1822.6	37.5°	1829.5	1826.0	1853.5	1939.3	2409.6	7571.9	12185.1	13146.2
1716.2	40°	1712.8	1712.8	1743.7	1836.3	2299.7	7101.7	12500.9	13777.7
1606.4	42.5°	1606.4	1599.5	1633.8	1747.1	2217.3	6652.0	13067.2	14697.6
1506.8	45°	1503.4	1489.7	1520.6	1661.3	2073.2	6494.1	14124.4	16056.9
1410.7	47.5°	1407.3	1373.0	1400.4	1558.3	1942.8	7084.5	15854.4	17941.3
1324.9	50°	1328.3	1263.1	1287.2	1455.3	1843.2	8364.8	18099.2	20443.5
1246.0	52.5°	1246.0	1160.2	1173.9	1328.3	1754.0	9583.3	20532.7	23745.5
1167.0	55°	1160.2	1064.1	1070.9	1201.3	1627.0	9765.2	22908.0	28248.8
1077.8	57.5°	1064.1	974.8	974.8	1084.6	1534.3	8464.4	24734.0	33836.8
967.9	60°	957.6	899.3	882.1	992.0	1616.7	5972.4	24946.8	37440.9
827.2	62.5°	840.9	810.1	786.0	902.7	1678.5	3538.8	23234.1	36569.0
652.2	65°	707.1	700.2	683.1	992.0	1414.2	2090.3	19945.8	33895.2
556.1	67.5°	593.8	583.5	583.5	1040.0	1074.3	1314.6	15583.2	30215.6
473.7	70°	511.4	473.7	473.7	786.0	652.2	909.6	10880.8	26244.3
391.3	72.5°	429.1	387.9	360.4	628.1	487.4	665.9	6799.6	22475.5
298.6	75°	343.2	312.4	278.0	415.3	363.8	504.6	3950.7	18620.9
188.8	77.5°	247.1	233.4	195.6	305.5	264.3	363.8	2351.2	14368.1
116.7	80°	127.0	130.4	123.6	175.1	178.5	247.1	1338.6	9833.9
75.5	82.5°	75.5	58.4	65.2	85.8	103.0	140.7	504.6	5780.2
54.9	85°	48.1	30.9	30.9	41.2	51.5	54.9	154.5	2344.3
27.5	87.5°	24.0	10.3	13.7	20.6	17.2	13.7	6.9	590.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)