

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: P953071

Luminaire Tested: **GALN-SB6D-727-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953071
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-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 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: 43682 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - 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



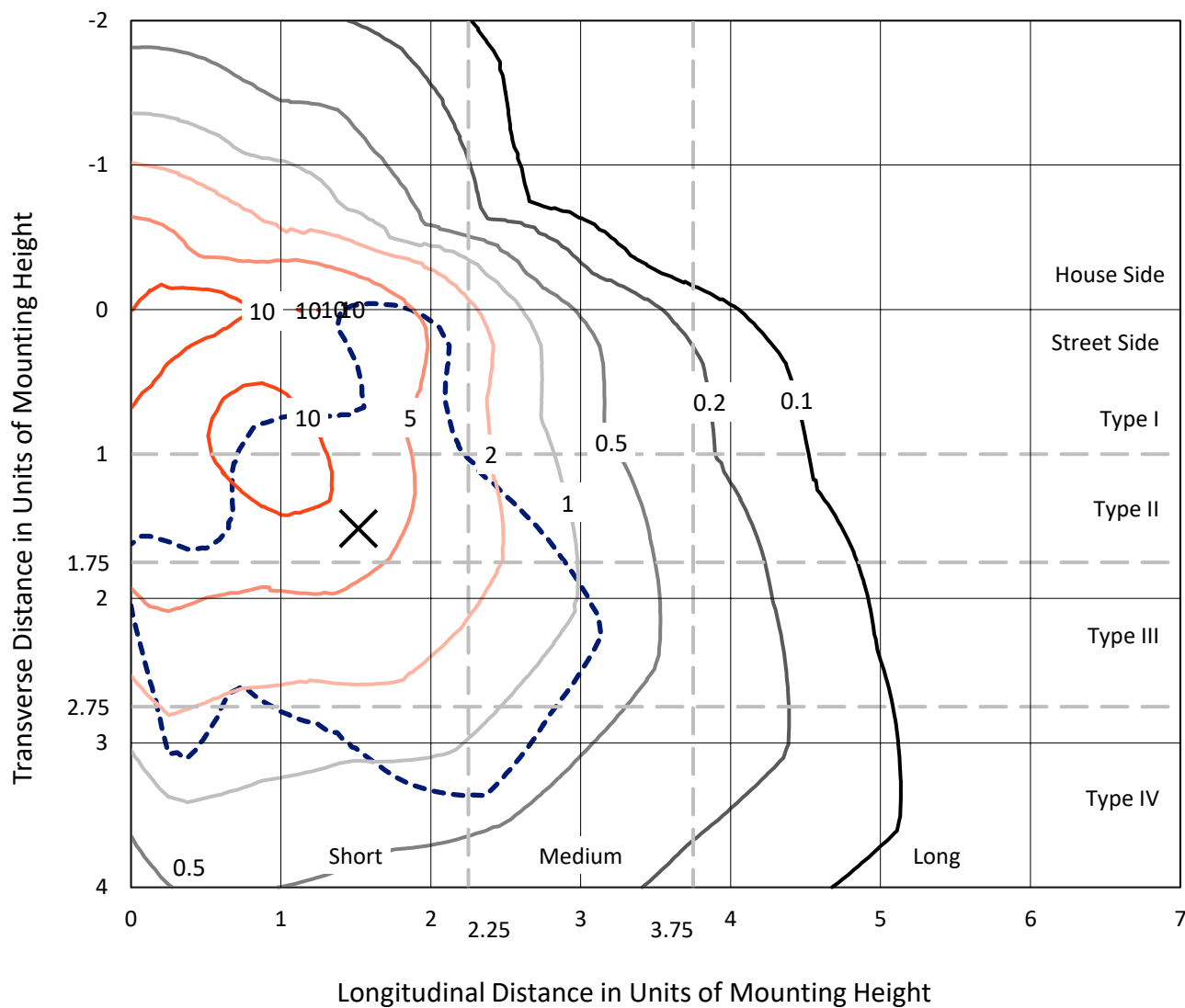
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

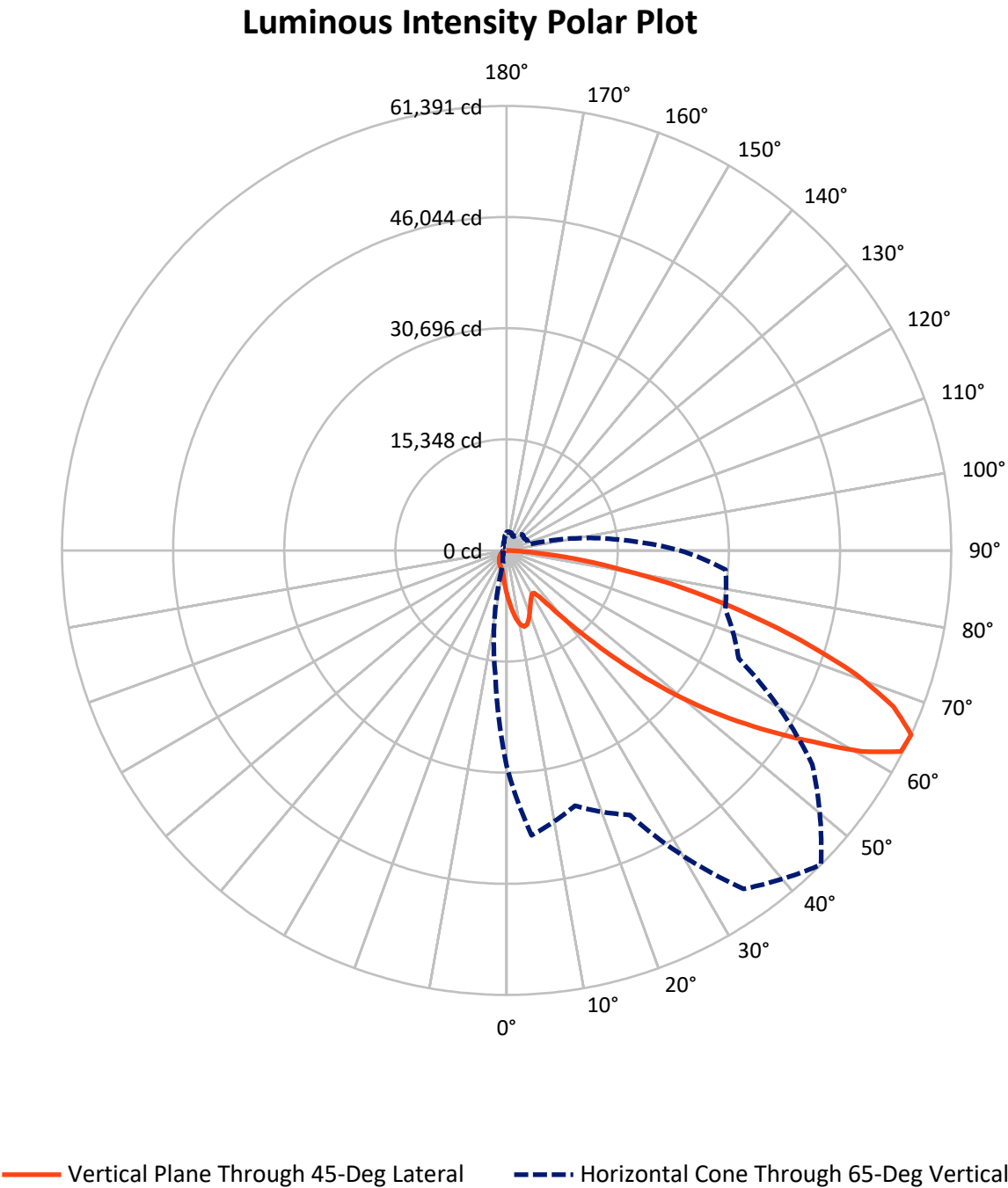
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc

Type IV - Short - N/A

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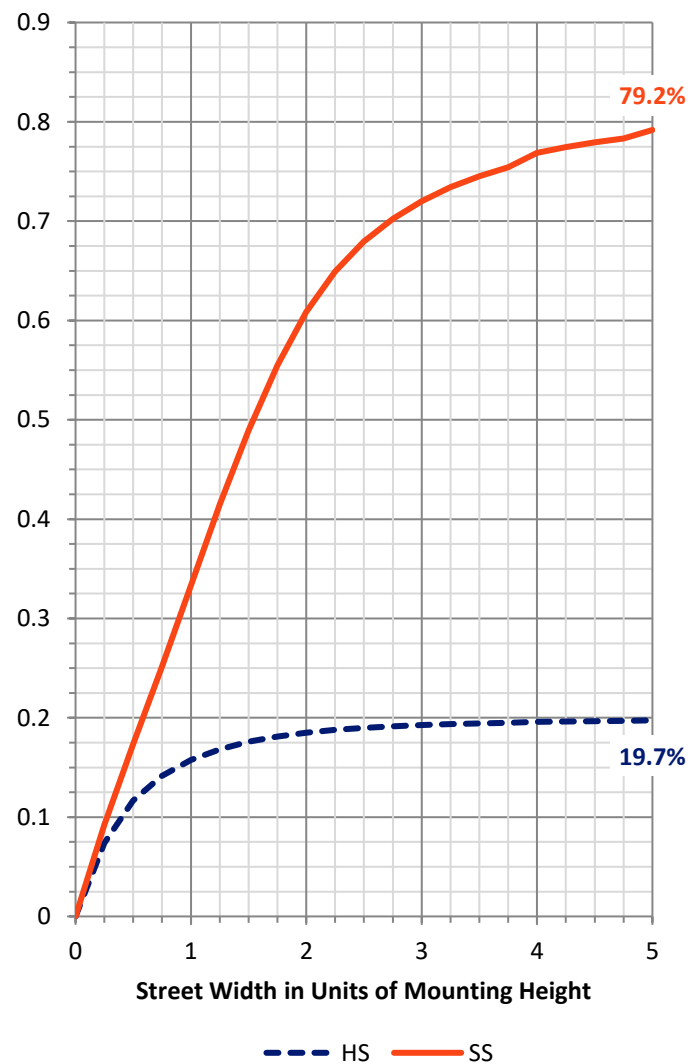
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8682.6	0.0	8682.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	34999.4	0.0	34999.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	43682.0	0.0	43682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.5	1.4
10°-20°	1785.1	4.1
20°-30°	2629.9	6.0
30°-40°	3378.7	7.7
40°-50°	5464.3	12.5
50°-60°	9582.2	21.9
60°-70°	11989.9	27.4
70°-80°	7006.4	16.0
80°-90°	1250.0	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°	43682.0	100.0
0°-180°	43682.0	100.0

Coefficient of Utilization



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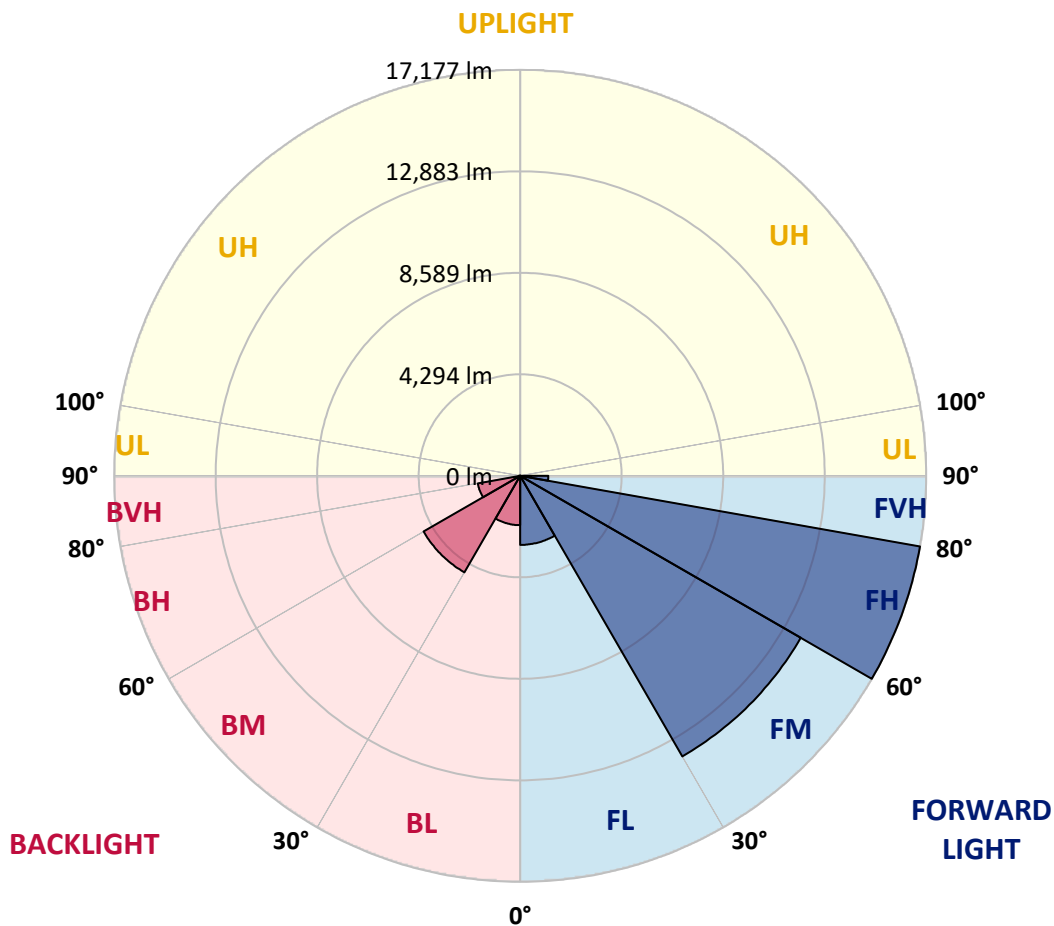
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2922.8	6.7			
FM	(30°-60°)	13707.9	31.4			
FH	(60°-80°)	17177.1	39.3			G5
FVH	(80°-90°)	1191.5	2.7			G5
BL	(0°-30°)	2087.7	4.8	B3/2500		
BM	(30°-60°)	4717.2	10.8	B3/5000		
BH	(60°-80°)	1819.2	4.2	B3/2500		G3/2500
BVH	(80°-90°)	58.6	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°	90°
0°	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6
2.5°	6776.8	6828.0	6942.3	7002.5	7095.8	7101.8	7101.8	7020.5	7017.5	6852.0	6834.0
5°	7574.2	7694.6	7965.4	8245.3	8305.5	8320.5	8290.4	8127.9	8007.6	7685.6	7616.4
7.5°	8365.7	8597.4	9009.6	9382.8	9503.2	9503.2	9430.9	9166.1	8919.4	8452.9	8278.4
10°	9021.7	9313.6	9873.3	10291.6	10430.0	10399.9	10252.5	9918.4	9578.4	9012.7	8784.0
12.5°	9455.0	9783.0	10396.9	10733.9	10875.4	10797.1	10628.6	10303.6	9945.5	9349.7	9090.9
15°	9671.7	10014.7	10547.4	10724.9	10685.8	10604.5	10583.5	10427.0	10156.2	9599.5	9316.6
17.5°	9765.0	10083.9	10454.1	10342.7	10011.7	9948.5	10159.2	10357.8	10291.6	9816.1	9551.3
20°	9852.2	10120.1	10231.4	9737.9	9160.1	9102.9	9506.2	10071.9	10360.8	10017.7	9774.0
22.5°	9972.6	10138.1	9909.4	9099.9	8477.0	8344.6	8790.0	9641.6	10381.9	10273.5	10029.8
25°	10138.1	10183.2	9554.3	8495.1	7869.1	7736.7	8152.0	9163.1	10345.7	10550.4	10342.7
27.5°	10336.7	10243.4	9214.3	7989.5	7384.7	7261.3	7676.6	8702.7	10243.4	10827.2	10679.8
30°	10595.5	10321.7	8877.2	7598.3	7038.6	6948.3	7348.5	8305.5	10117.0	11179.3	11098.1
32.5°	10857.3	10354.8	8564.3	7369.6	6960.4	6993.5	7321.5	8091.8	9978.6	11516.3	11555.5
35°	11140.2	10460.1	8410.8	7595.3	7613.4	7902.2	8037.7	8290.4	9957.6	11973.7	12127.2
37.5°	11525.4	10694.8	8594.4	8717.7	9343.7	9942.5	9831.2	9262.4	10201.3	12656.8	12942.7
40°	12079.1	11107.1	9394.8	10628.6	11913.6	12885.5	12461.2	11028.8	10947.6	13640.9	14068.2
42.5°	12885.5	11763.1	10815.2	12963.8	15142.5	16743.4	15605.9	13306.8	12253.6	15046.2	15590.8
45°	14077.2	12825.4	12533.5	15428.3	19123.7	21645.4	19280.2	15735.3	14083.2	17173.7	17601.0
47.5°	15729.3	14387.1	14143.4	18025.3	23962.5	27224.5	23354.7	17986.2	16165.6	20074.6	20173.9
50°	17923.0	16490.6	15669.1	20866.0	29267.8	32912.0	27426.2	20158.9	18551.9	23619.5	23505.1
52.5°	20817.9	19424.6	17447.5	23571.3	34723.5	38479.1	31515.7	22066.7	21513.0	27733.1	27498.4
55°	24766.0	23839.1	19879.0	26153.2	40176.3	44079.3	35445.8	23866.2	25425.0	32620.1	31199.7
57.5°	29665.0	30327.1	23384.8	29147.4	45078.3	49851.0	39393.9	26381.9	30504.6	38084.9	33348.3
60°	32824.7	38954.5	30098.4	33574.0	50648.4	56378.0	44804.5	31166.6	35843.0	40043.9	32939.1
62.5°	32060.4	41698.9	38139.0	39225.4	55770.1	61123.6	50106.7	35972.4	36848.1	37158.0	29785.4
65°	29716.2	39484.2	36499.0	40323.7	57067.1	61391.4	51524.1	35352.5	31256.9	30336.1	23941.5
67.5°	26490.3	36857.1	32602.0	37410.8	54722.9	57647.9	48885.0	31272.0	24155.1	22764.9	17369.3
70°	23008.6	33950.2	30044.2	34142.8	50254.2	51123.9	44398.2	27504.4	17766.5	15374.2	11146.2
72.5°	19704.5	30922.9	28292.8	30793.5	44292.9	42493.4	38557.3	24173.2	12936.7	11089.0	7923.3
75°	16325.1	26457.2	25798.2	26815.3	36453.9	33471.7	32036.3	20014.4	10153.2	8022.6	5467.8
77.5°	12596.7	20673.4	22190.1	21473.9	25659.7	24862.3	24832.2	15040.1	7417.8	5353.4	3427.5
80°	8621.5	14408.2	17336.2	15148.5	16653.1	16246.9	18702.4	10090.0	5380.5	3222.9	1907.9
82.5°	5067.5	8771.9	12067.0	7333.5	9208.3	9452.0	11137.2	4908.1	3165.7	743.3	415.3
85°	2055.3	3463.6	4718.5	2870.8	4441.6	3746.5	4228.0	1378.2	881.7	18.1	0.0
87.5°	517.6	1107.4	776.4	322.0	514.6	472.4	373.1	168.5	36.1	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6
2.5°	6716.6	6647.4	6475.9	6304.3	6165.9	5979.3	5856.0	5708.5	5567.1	5440.7	5416.6
5°	7426.8	7198.1	6885.1	6599.2	6307.4	6024.5	5744.6	5449.7	5178.9	5013.4	4908.1
7.5°	8004.6	7601.3	7186.0	6821.9	6469.9	6138.8	5768.7	5410.6	4986.3	4760.6	4556.0
10°	8434.9	7905.3	7360.6	6942.3	6587.2	6265.2	5952.3	5591.2	5079.6	4796.7	4489.8
12.5°	8717.7	8088.8	7450.9	6972.4	6575.2	6325.4	6187.0	6045.6	5537.0	5206.0	4760.6
15°	8913.3	8218.2	7514.1	6903.2	6415.7	6232.1	6370.5	6533.0	6208.0	5825.9	5245.1
17.5°	9127.0	8386.7	7541.1	6716.6	6105.7	6027.5	6385.6	6761.7	6746.7	6367.5	5798.8
20°	9352.7	8534.2	7523.1	6415.7	5729.6	5798.8	6256.2	6692.5	6876.1	6671.5	6165.9
22.5°	9584.4	8675.6	7453.9	6024.5	5377.5	5594.2	6051.6	6433.7	6650.4	6587.2	6202.0
25°	9876.3	8874.2	7351.6	5603.2	5085.6	5386.5	5813.8	6123.8	6274.3	6271.2	6006.4
27.5°	10225.4	9139.0	7297.4	5263.1	4878.0	5151.8	5531.0	5807.8	5913.1	5913.1	5702.5
30°	10631.6	9452.0	7237.2	5040.5	4757.6	4908.1	5203.0	5473.8	5579.1	5579.1	5401.6
32.5°	11083.0	9752.9	7092.8	4905.1	4667.3	4670.3	4856.9	5103.7	5230.0	5248.1	5121.7
35°	11624.7	10074.9	6776.8	4796.7	4562.0	4438.6	4528.9	4733.5	4884.0	4923.1	4844.9
37.5°	12334.8	10469.1	6325.4	4637.2	4399.5	4194.9	4215.9	4372.4	4537.9	4598.1	4547.0
40°	13288.8	10932.5	5856.0	4408.5	4170.8	3927.0	3918.0	4032.4	4194.9	4261.1	4234.0
42.5°	14549.6	11489.3	5407.6	4188.9	3893.9	3644.2	3629.1	3719.4	3860.8	3930.1	3918.0
45°	16162.6	12172.3	5022.4	4017.3	3623.1	3376.4	3370.3	3445.6	3569.0	3641.2	3626.1
47.5°	18404.5	12855.4	4760.6	3927.0	3409.5	3156.7	3168.7	3234.9	3346.3	3397.4	3376.4
50°	21326.4	13063.1	4628.2	3927.0	3295.1	2961.1	3021.3	3075.4	3159.7	3189.8	3162.7
52.5°	24131.0	12377.0	4507.8	3951.1	3310.2	2795.6	2925.0	2964.1	3036.3	3048.4	3009.2
55°	25506.3	10640.6	4342.3	3957.1	3403.4	2654.1	2846.7	2919.0	2946.0	2943.0	2876.8
57.5°	25033.8	8603.4	4062.5	3933.1	3466.6	2563.9	2750.4	2888.9	2906.9	2879.8	2756.5
60°	23375.7	6334.4	3848.8	3755.5	3442.6	2536.8	2603.0	2822.7	2849.7	2813.6	2612.0
62.5°	20595.2	4396.5	3683.3	3364.3	3337.2	2527.8	2371.3	2678.2	2744.4	2693.3	2398.4
65°	16213.7	3105.5	3171.7	2949.0	3108.5	2479.6	2130.5	2503.7	2594.0	2515.7	2100.4
67.5°	10971.7	2241.9	2569.9	2672.2	2738.4	2371.3	1956.0	2305.1	2425.4	2323.1	1754.4
70°	5925.2	1573.8	1697.2	2250.9	2326.1	2184.7	1799.5	2103.5	2241.9	2130.5	1429.4
72.5°	3499.7	1131.5	1188.6	1808.5	1937.9	1922.9	1625.0	1868.7	2037.3	1904.8	1161.6
75°	1928.9	764.3	848.6	1312.0	1573.8	1483.6	1396.3	1582.9	1754.4	1625.0	896.8
77.5°	863.7	457.4	589.8	860.6	1236.8	1017.1	1080.3	1233.8	1393.3	1257.9	598.8
80°	334.0	255.8	391.2	469.4	899.8	562.7	695.1	908.8	1023.1	914.8	364.1
82.5°	42.1	114.4	168.5	183.6	523.6	297.9	403.2	571.8	562.7	487.5	183.6
85°	0.0	21.1	24.1	12.0	225.7	108.3	132.4	186.6	174.5	132.4	15.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6
2.5°	5269.2	5160.8	5106.7	5061.5	5103.7	5127.7	5127.7	5230.0	5290.2	5314.3	5482.8
5°	4643.2	4441.6	4306.2	4225.0	4252.0	4282.1	4315.2	4444.6	4531.9	4589.1	4850.9
7.5°	4149.7	3842.8	3653.2	3553.9	3569.0	3590.0	3617.1	3743.5	3830.8	3906.0	4197.9
10°	3906.0	3472.7	3222.9	3102.5	3081.5	3069.4	3060.4	3135.6	3201.8	3262.0	3550.9
12.5°	3918.0	3313.2	3009.2	2861.8	2798.6	2726.4	2669.2	2681.2	2723.4	2798.6	2982.2
15°	4071.5	3262.0	2897.9	2714.3	2609.0	2524.7	2455.5	2440.5	2455.5	2467.6	2581.9
17.5°	4279.1	3256.0	2801.6	2572.9	2464.6	2395.3	2332.2	2311.1	2314.1	2329.1	2359.2
20°	4444.6	3237.9	2693.3	2437.5	2341.2	2281.0	2217.8	2196.7	2202.8	2205.8	2238.9
22.5°	4531.9	3210.9	2572.9	2302.1	2220.8	2160.6	2103.5	2100.4	2100.4	2118.5	2142.6
25°	4531.9	3153.7	2464.6	2172.7	2100.4	2046.3	1977.1	1989.1	1995.1	2019.2	2055.3
27.5°	4423.6	3045.3	2377.3	2061.3	1986.1	1931.9	1868.7	1883.8	1892.8	1919.9	1965.0
30°	4285.1	2915.9	2278.0	1956.0	1868.7	1829.6	1775.4	1781.5	1793.5	1823.6	1874.8
32.5°	4137.7	2762.5	2196.7	1850.7	1763.4	1733.3	1673.1	1682.2	1694.2	1727.3	1784.5
35°	3975.2	2581.9	2100.4	1754.4	1667.1	1643.0	1573.8	1579.8	1597.9	1634.0	1691.2
37.5°	3803.7	2434.5	2004.1	1661.1	1570.8	1546.7	1474.5	1480.5	1501.6	1543.7	1597.9
40°	3635.2	2290.0	1901.8	1561.8	1471.5	1450.5	1372.2	1378.2	1402.3	1447.4	1504.6
42.5°	3451.6	2178.7	1769.4	1459.5	1363.2	1342.1	1269.9	1278.9	1306.0	1351.1	1408.3
45°	3231.9	2106.5	1622.0	1363.2	1254.9	1233.8	1167.6	1185.6	1215.7	1260.9	1321.1
47.5°	3006.2	2076.4	1498.6	1260.9	1143.5	1125.5	1071.3	1101.4	1134.5	1170.6	1236.8
50°	2789.6	2037.3	1372.2	1164.6	1047.2	1029.2	993.0	1032.2	1065.3	1098.4	1161.6
52.5°	2542.8	1953.0	1257.9	1080.3	966.0	959.9	941.9	978.0	1008.1	1038.2	1092.4
55°	2287.0	1817.6	1158.6	1005.1	896.8	902.8	893.7	923.8	947.9	975.0	1023.1
57.5°	2064.3	1646.1	1080.3	923.8	836.6	854.6	842.6	857.6	872.7	905.8	944.9
60°	1838.6	1441.4	993.0	827.5	776.4	797.4	764.3	761.3	767.4	776.4	848.6
62.5°	1534.7	1227.8	884.7	743.3	710.2	719.2	656.0	607.9	607.9	616.9	725.2
65°	1233.8	1029.2	764.3	647.0	619.9	613.9	523.6	457.4	451.4	478.5	571.8
67.5°	1014.1	854.6	644.0	538.7	520.6	526.6	460.4	394.2	388.2	418.3	487.5
70°	839.6	689.1	514.6	415.3	433.3	460.4	394.2	331.0	322.0	349.1	415.3
72.5°	668.0	538.7	394.2	306.9	358.1	391.2	322.0	261.8	255.8	279.9	343.1
75°	490.5	385.2	267.8	222.7	276.8	306.9	234.7	186.6	177.5	198.6	261.8
77.5°	303.9	216.7	168.5	132.4	189.6	204.6	123.4	108.3	105.3	120.4	165.5
80°	141.4	93.3	81.2	45.1	69.2	81.2	51.2	57.2	60.2	72.2	102.3
82.5°	39.1	15.0	3.0	0.0	0.0	24.1	12.0	24.1	30.1	45.1	66.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	15.0	27.1	48.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	24.1
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6	6048.6
2.5°	5609.2	5729.6	5922.2	6120.8	6316.4	6515.0	6707.6	6776.8
5°	5088.6	5365.5	5747.6	6156.9	6578.2	7005.5	7396.7	7574.2
7.5°	4507.8	4905.1	5479.8	6120.8	6791.8	7462.9	8079.8	8365.7
10°	3887.9	4390.5	5046.5	5913.1	6876.1	7802.9	8651.5	9021.7
12.5°	3298.1	3824.7	4550.0	5588.1	6809.9	7998.5	9018.7	9455.0
15°	2804.6	3271.0	4053.4	5203.0	6596.2	8010.6	9193.2	9671.7
17.5°	2434.5	2738.4	3547.9	4775.7	6316.4	7899.2	9253.4	9765.0
20°	2250.9	2335.2	2891.9	4228.0	6054.6	7793.9	9313.6	9852.2
22.5°	2142.6	2163.6	2365.3	3520.8	5741.6	7760.8	9418.9	9972.6
25°	2055.3	2061.3	2115.5	2789.6	5263.1	7739.7	9581.4	10138.1
27.5°	1968.0	1968.0	1998.1	2247.9	4613.2	7649.5	9792.0	10336.7
30°	1880.8	1880.8	1901.8	1989.1	3851.8	7471.9	10044.8	10595.5
32.5°	1790.5	1790.5	1808.5	1871.7	3075.4	7249.2	10276.5	10857.3
35°	1700.2	1694.2	1718.3	1784.5	2446.5	6966.4	10508.2	11140.2
37.5°	1603.9	1600.9	1625.0	1700.2	2112.5	6638.4	10682.8	11525.4
40°	1501.6	1501.6	1528.7	1609.9	2016.2	6226.1	10959.6	12079.1
42.5°	1408.3	1402.3	1432.4	1531.7	1944.0	5831.9	11456.2	12885.5
45°	1318.0	1306.0	1333.1	1456.5	1817.6	5693.5	12383.0	14077.2
47.5°	1233.8	1203.7	1227.8	1366.2	1703.2	6211.1	13899.6	15729.3
50°	1164.6	1107.4	1128.5	1275.9	1616.0	7333.5	15867.7	17923.0
52.5°	1092.4	1017.1	1029.2	1164.6	1537.7	8401.8	18001.2	20817.9
55°	1017.1	932.9	938.9	1053.2	1426.4	8561.3	20083.6	24766.0
57.5°	932.9	854.6	854.6	950.9	1345.1	7420.8	21684.5	29665.0
60°	839.6	788.4	773.4	869.7	1417.3	5236.1	21871.1	32824.7
62.5°	737.3	710.2	689.1	791.4	1471.5	3102.5	20369.5	32060.4
65°	619.9	613.9	598.8	869.7	1239.8	1832.6	17486.7	29716.2
67.5°	520.6	511.6	511.6	911.8	941.9	1152.5	13661.9	26490.3
70°	448.4	415.3	415.3	689.1	571.8	797.4	9539.3	23008.6
72.5°	376.2	340.0	316.0	550.7	427.3	583.8	5961.3	19704.5
75°	300.9	273.8	243.7	364.1	319.0	442.4	3463.6	16325.1
77.5°	216.7	204.6	171.5	267.8	231.7	319.0	2061.3	12596.7
80°	111.3	114.4	108.3	153.5	156.5	216.7	1173.6	8621.5
82.5°	66.2	51.2	57.2	75.2	90.3	123.4	442.4	5067.5
85°	42.1	27.1	27.1	36.1	45.1	48.1	135.4	2055.3
87.5°	21.1	9.0	12.0	18.1	15.0	12.0	6.0	517.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)