

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: P948765

Luminaire Tested: **GALN-SB3D-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24650 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 218.1
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

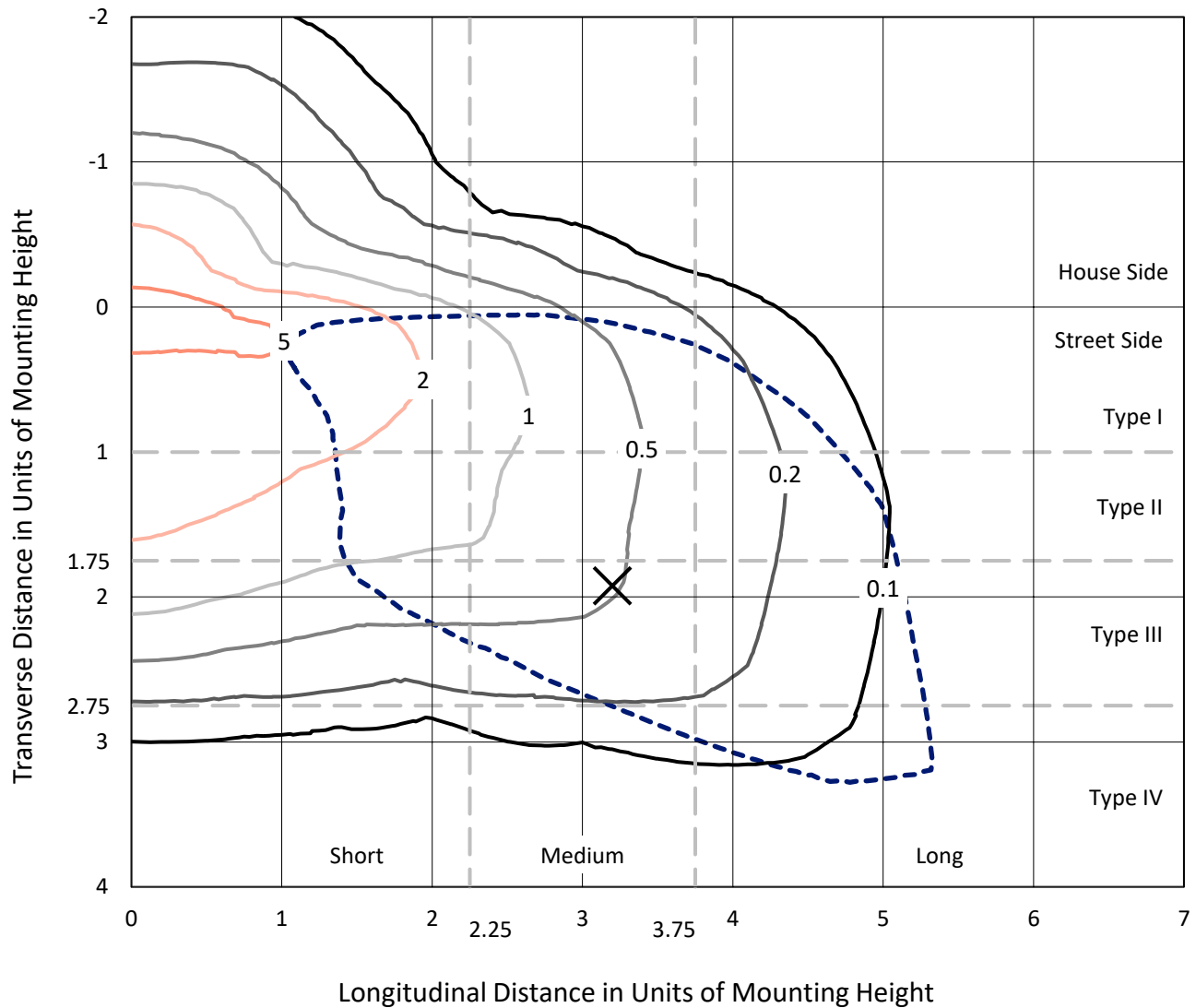


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

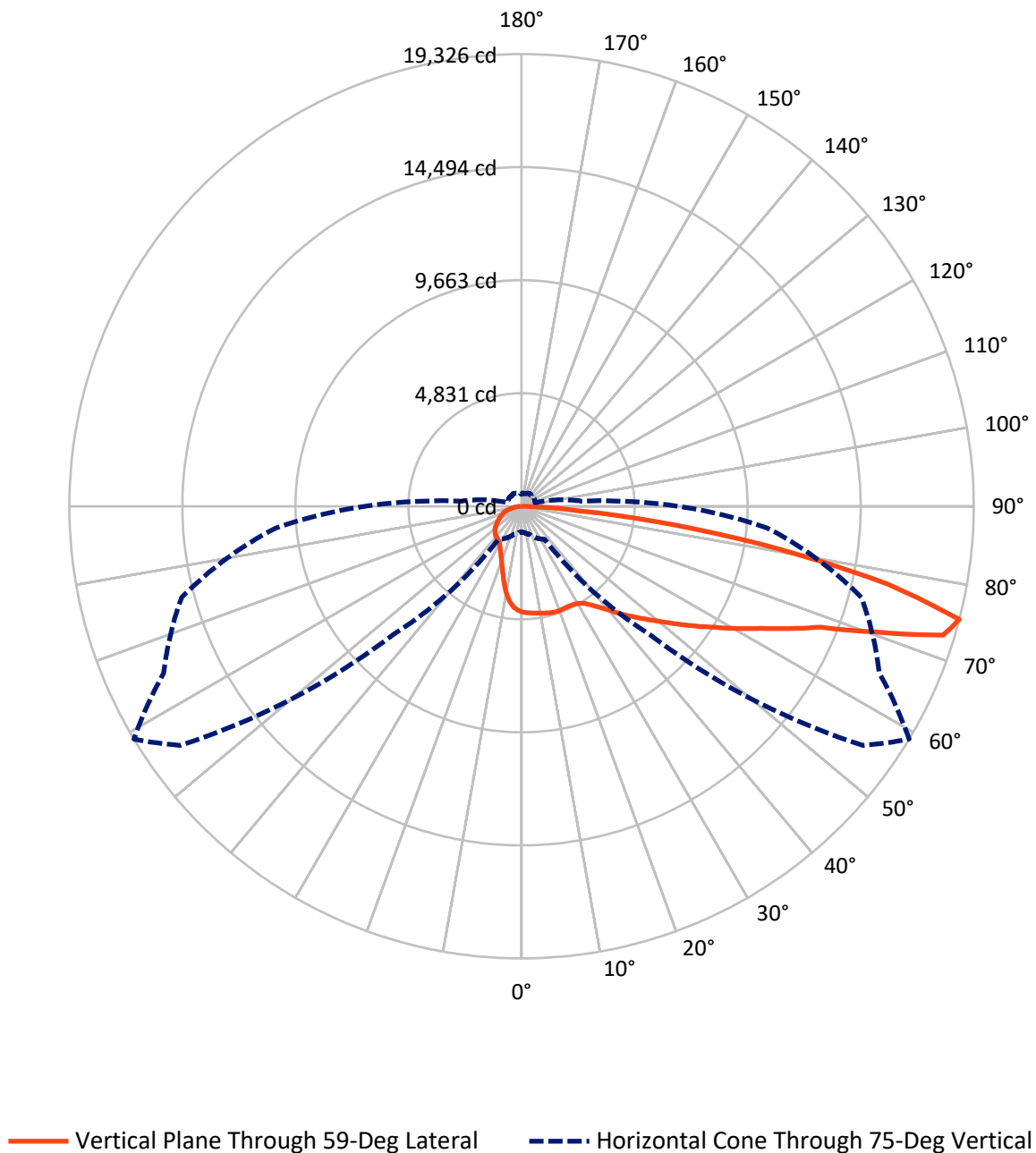


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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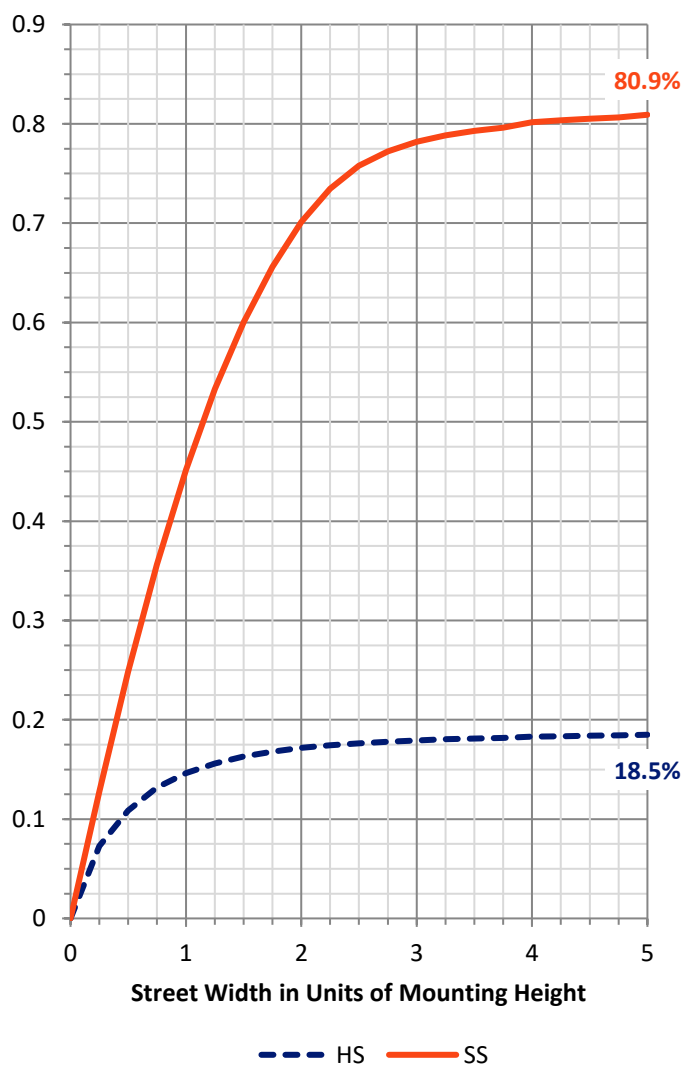
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4623.3	0.0	4623.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	20026.7	0.0	20026.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	24650.0	0.0	24650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.7	1.6
10°-20°	1037.0	4.2
20°-30°	1575.1	6.4
30°-40°	2341.3	9.5
40°-50°	3481.9	14.1
50°-60°	4726.3	19.2
60°-70°	5770.0	23.4
70°-80°	4528.3	18.4
80°-90°	784.4	3.2
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°	24650.0	100.0
0°-180°	24650.0	100.0

Coefficient of Utilization



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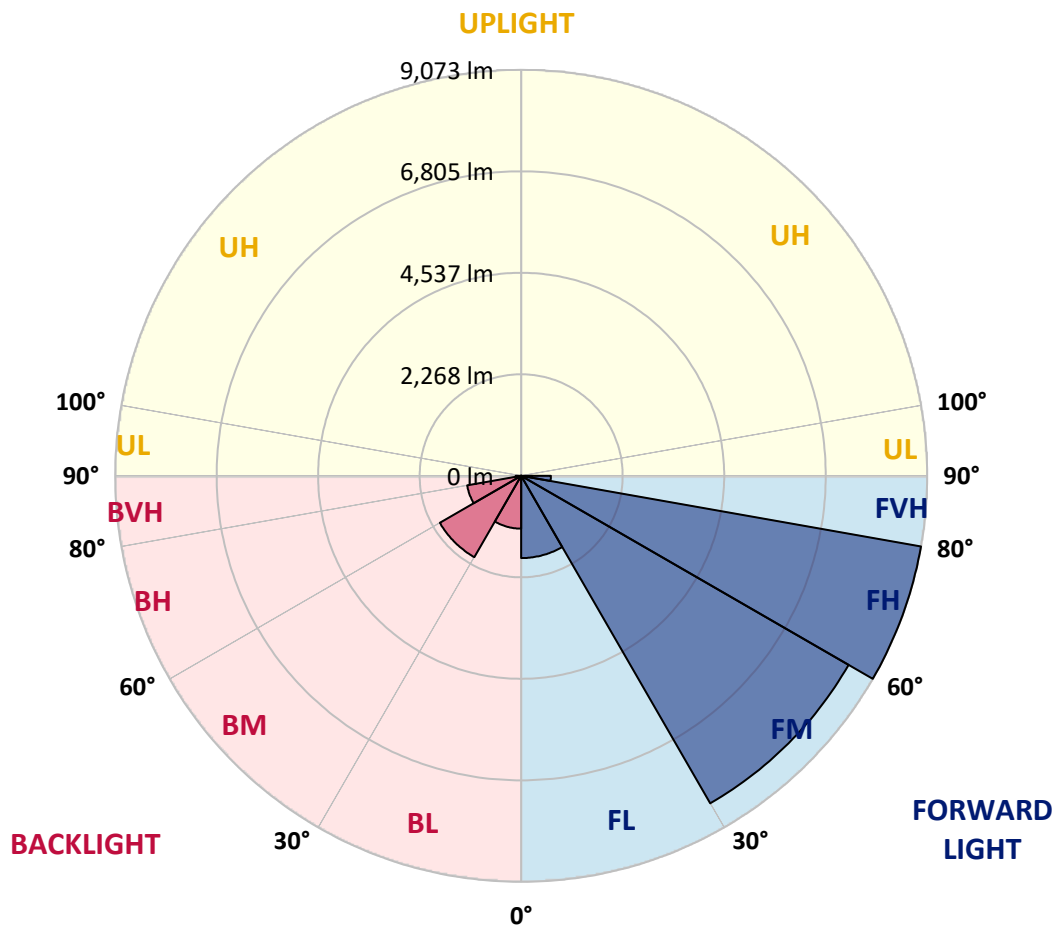
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1837.9	7.5			
FM	(30°-60°)	8451.0	34.3			
FH	(60°-80°)	9073.4	36.8			G4/12000
FVH	(80°-90°)	664.3	2.7			G4/750
BL	(0°-30°)	1179.8	4.8	B3/2500		
BM	(30°-60°)	2098.5	8.5	B2/2500		
BH	(60°-80°)	1224.9	5.0	B3/2500		G3/2500
BVH	(80°-90°)	120.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5
2.5°	4562.9	4547.0	4562.9	4556.3	4553.6	4548.3	4549.6	4558.9	4553.6	4560.3	4537.7
5°	4532.4	4523.1	4539.0	4535.1	4552.3	4555.0	4572.2	4582.8	4589.4	4590.8	4573.5
7.5°	4482.0	4472.7	4495.3	4513.8	4551.0	4561.6	4597.4	4614.6	4623.9	4639.8	4614.6
10°	4297.7	4293.7	4349.4	4419.7	4507.2	4561.6	4615.9	4645.1	4659.7	4702.1	4673.0
12.5°	3971.5	3976.8	4049.7	4185.0	4360.0	4535.1	4637.2	4679.6	4702.1	4755.2	4741.9
15°	3659.9	3658.5	3738.1	3882.6	4128.0	4418.4	4647.8	4720.7	4759.2	4837.4	4826.8
17.5°	3479.5	3474.2	3529.9	3640.0	3868.1	4239.4	4621.3	4743.2	4825.5	4923.6	4914.3
20°	3446.4	3435.8	3464.9	3519.3	3681.1	4043.1	4552.3	4743.2	4878.5	5005.8	5000.5
22.5°	3567.1	3549.8	3537.9	3531.2	3602.9	3881.3	4474.1	4727.3	4956.7	5123.8	5114.5
25°	3809.7	3783.2	3722.2	3662.5	3641.3	3808.4	4405.1	4723.4	5073.4	5282.9	5248.5
27.5°	4202.2	4169.1	4045.8	3902.5	3773.9	3845.5	4374.6	4747.2	5202.1	5451.4	5382.4
30°	4688.9	4653.1	4497.9	4277.8	4047.1	3983.4	4413.1	4817.5	5366.5	5675.5	5540.2
32.5°	5125.1	5085.4	4952.8	4728.7	4417.0	4222.1	4535.1	4951.4	5625.1	5987.1	5777.6
35°	5512.4	5465.9	5346.6	5139.7	4870.5	4557.6	4755.2	5188.8	5992.4	6493.6	6099.8
37.5°	5891.6	5837.2	5707.3	5488.5	5300.2	5004.5	5058.8	5493.8	6480.4	7108.9	6526.8
40°	6315.9	6237.7	6079.9	5863.8	5680.8	5528.3	5458.0	5867.7	6976.3	7795.8	7059.8
42.5°	6727.0	6652.7	6464.5	6280.1	6050.7	6007.0	5920.8	6305.3	7518.7	8550.3	7600.9
45°	7169.9	7081.1	6853.0	6619.6	6475.1	6325.2	6369.0	6742.9	8050.4	9319.4	8168.4
47.5°	7585.0	7485.5	7216.3	6956.4	6876.8	6593.1	6780.0	7224.3	8603.4	10099.1	8730.7
50°	7809.1	7710.9	7486.8	7252.1	7189.8	6923.3	7225.6	7753.4	9182.8	10876.2	9270.4
52.5°	7996.0	7889.9	7596.9	7466.9	7448.4	7282.6	7774.6	8358.0	9762.3	11563.1	9791.5
55°	8194.9	8076.9	7703.0	7586.3	7671.1	7685.7	8425.7	9043.6	10374.9	12232.7	10283.4
57.5°	8424.3	8274.5	7805.1	7687.1	7888.6	8157.8	9173.6	9754.4	10977.0	12853.3	10721.0
60°	8640.5	8489.3	8001.3	7847.5	8123.3	8705.5	10031.5	10615.0	11658.6	13406.3	11134.8
62.5°	8682.9	8558.3	8157.8	8156.5	8441.6	9344.6	11047.2	11483.5	12253.9	13952.6	11506.1
65°	7948.3	7870.1	7632.7	8144.5	8897.7	10264.9	12178.4	12594.7	13011.1	14430.0	11832.3
67.5°	6049.4	6060.0	6042.8	7030.7	8529.1	11586.9	13816.0	13784.2	13946.0	14965.7	12207.5
70°	2766.1	2828.4	3234.2	4853.3	6833.1	11739.4	16523.8	16111.4	15119.5	15659.2	12532.4
72.5°	1494.4	1542.2	1707.9	2351.1	4108.1	10437.3	18547.3	18840.4	16680.3	16126.0	12175.7
75°	1096.6	1123.2	1238.5	1494.4	1725.2	7757.3	17822.0	19325.7	16875.2	15037.3	10514.2
77.5°	820.8	832.8	926.9	1184.2	883.1	4089.5	14240.4	16005.3	14445.9	12354.7	7766.6
80°	595.4	608.7	678.9	888.4	619.3	1495.8	9778.2	11234.2	9893.6	7875.4	3870.7
82.5°	411.1	416.4	446.9	604.7	432.3	580.8	5548.2	6587.8	5523.0	2763.5	1044.9
85°	248.0	254.6	267.9	352.7	245.3	275.8	2394.8	2477.0	1650.9	660.4	324.9
87.5°	102.1	108.7	119.3	148.5	96.8	76.9	395.2	495.9	309.0	193.6	100.8
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°	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5
2.5°	4531.1	4521.8	4496.6	4462.1	4430.3	4390.5	4373.3	4358.7	4345.4	4320.2	4308.3
5°	4558.9	4533.7	4466.1	4378.6	4279.1	4170.4	4064.3	3991.4	3929.1	3882.6	3844.2
7.5°	4601.4	4553.6	4430.3	4251.3	4023.2	3789.8	3579.0	3429.1	3316.4	3275.3	3203.7
10°	4645.1	4588.1	4373.3	4057.7	3663.9	3304.5	3024.7	2870.9	2780.7	2751.5	2706.5
12.5°	4696.8	4613.3	4284.4	3788.5	3262.1	2868.2	2624.2	2534.1	2487.7	2471.7	2475.7
15°	4772.4	4634.5	4150.5	3451.7	2878.8	2550.0	2392.2	2329.9	2306.0	2304.7	2310.0
17.5°	4829.4	4638.5	3942.3	3091.0	2584.5	2357.7	2227.7	2203.9	2219.8	2243.7	2252.9
20°	4893.1	4602.7	3669.2	2762.1	2377.6	2189.3	2134.9	2150.8	2189.3	2223.8	2235.7
22.5°	4938.2	4537.7	3339.0	2506.2	2198.6	2092.5	2089.8	2123.0	2144.2	2161.4	2170.7
25°	4978.0	4427.7	2988.9	2291.4	2051.4	2034.1	2063.3	2052.7	2038.1	2052.7	2062.0
27.5°	5007.1	4253.9	2676.0	2103.1	1948.0	1994.4	1977.1	1953.3	1951.9	1959.9	1973.1
30°	4997.8	4021.9	2418.7	1924.1	1875.0	1920.1	1879.0	1875.0	1871.0	1875.0	1889.6
32.5°	4997.8	3758.0	2221.1	1800.8	1828.6	1811.4	1807.4	1798.1	1782.2	1780.9	1798.1
35°	5025.7	3494.1	2051.4	1734.5	1790.2	1749.0	1751.7	1729.2	1696.0	1680.1	1696.0
37.5°	5082.7	3282.0	1883.0	1702.6	1722.5	1721.2	1710.6	1672.1	1613.8	1563.4	1580.6
40°	5220.6	3219.6	1767.6	1688.1	1690.7	1706.6	1678.8	1604.5	1471.9	1389.7	1400.3
42.5°	5436.8	3324.4	1742.4	1652.2	1669.5	1685.4	1631.0	1458.6	1364.5	1315.4	1315.4
45°	5711.3	3507.4	1796.8	1600.5	1619.1	1646.9	1485.2	1403.0	1360.5	1361.8	1368.5
47.5°	6058.7	3699.7	1897.6	1555.4	1546.2	1562.1	1388.4	1338.0	1279.6	1294.2	1331.3
50°	6460.5	3894.6	1993.0	1494.4	1465.3	1413.6	1326.0	1278.3	1204.0	1169.6	1178.9
52.5°	6895.4	4082.9	2031.5	1420.2	1377.8	1318.1	1283.6	1225.3	1135.1	1078.1	1076.7
55°	7307.8	4253.9	1989.1	1331.3	1290.2	1243.8	1238.5	1202.7	1105.9	1026.4	1026.4
57.5°	7697.7	4397.2	1883.0	1241.2	1201.4	1173.5	1209.3	1192.1	1070.1	968.0	962.7
60°	8027.9	4495.3	1729.2	1149.7	1121.8	1107.2	1161.6	1156.3	1019.7	905.7	901.7
62.5°	8290.4	4533.7	1559.4	1062.2	1055.5	1029.0	1095.3	1095.3	956.1	844.7	840.7
65°	8495.9	4496.6	1387.0	976.0	989.2	949.4	1014.4	1006.5	888.4	790.3	785.0
67.5°	8677.6	4374.6	1196.1	891.1	921.6	871.2	929.6	911.0	814.2	736.0	730.6
70°	8758.5	4090.8	978.6	806.2	843.4	794.3	844.7	810.2	730.6	677.6	667.0
72.5°	8108.7	3400.0	770.4	717.4	749.2	709.4	753.2	713.4	640.5	616.6	596.7
75°	6708.4	2551.3	592.7	620.6	644.5	614.0	643.1	614.0	547.7	564.9	515.8
77.5°	4871.9	1722.5	453.5	518.5	529.1	513.2	538.4	505.2	445.5	441.6	421.7
80°	2422.7	1009.1	355.4	409.7	405.8	395.2	424.3	408.4	358.0	379.2	375.3
82.5°	701.5	432.3	258.6	287.8	279.8	282.4	303.7	311.6	466.8	462.8	473.4
85°	220.1	169.7	155.1	160.5	152.5	156.5	179.0	355.4	328.9	192.3	208.2
87.5°	57.0	58.3	38.5	41.1	42.4	50.4	57.0	216.1	103.4	67.6	71.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)