

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: P943134

Luminaire Tested: **GALN-SB7C-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32128 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

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

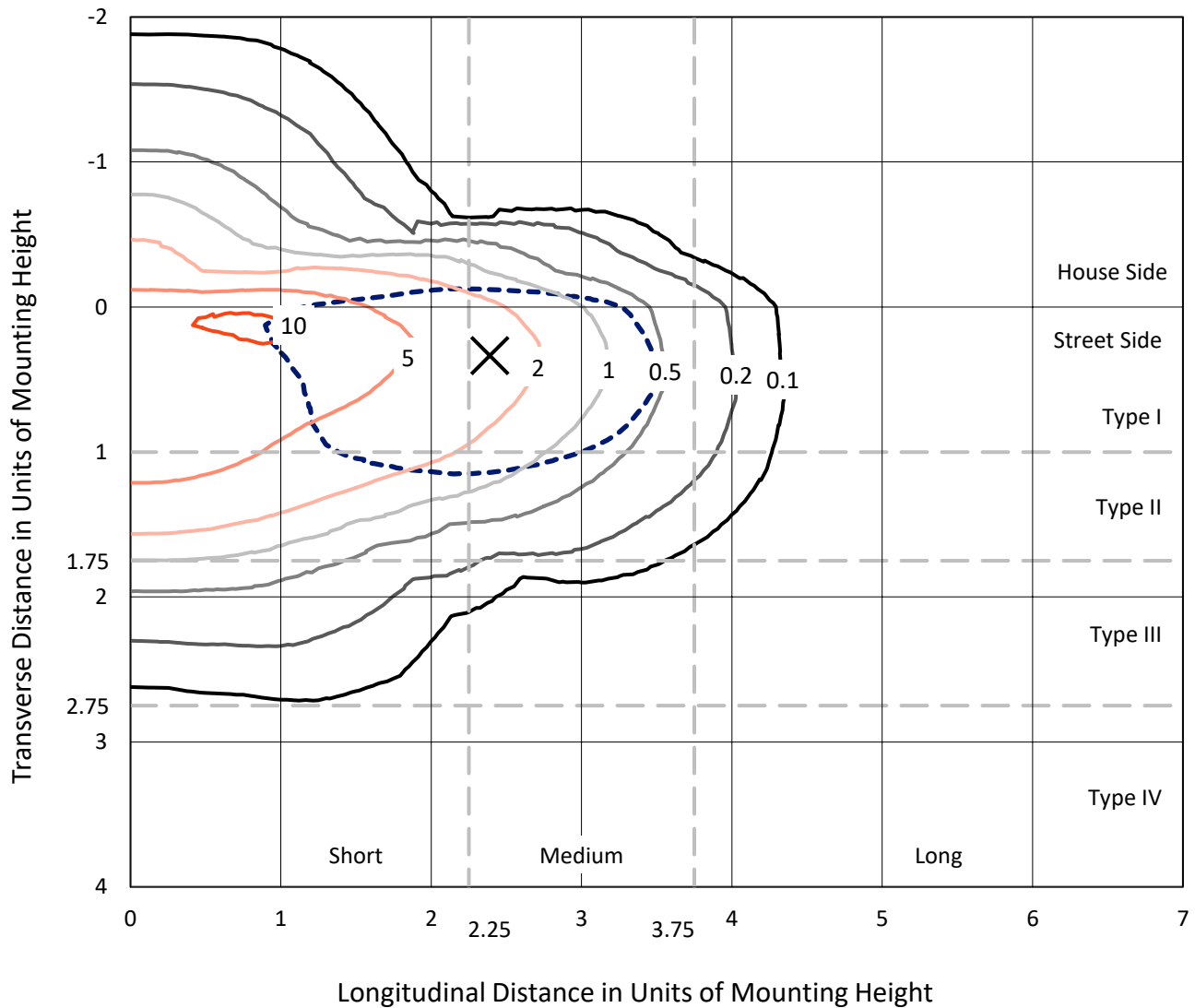


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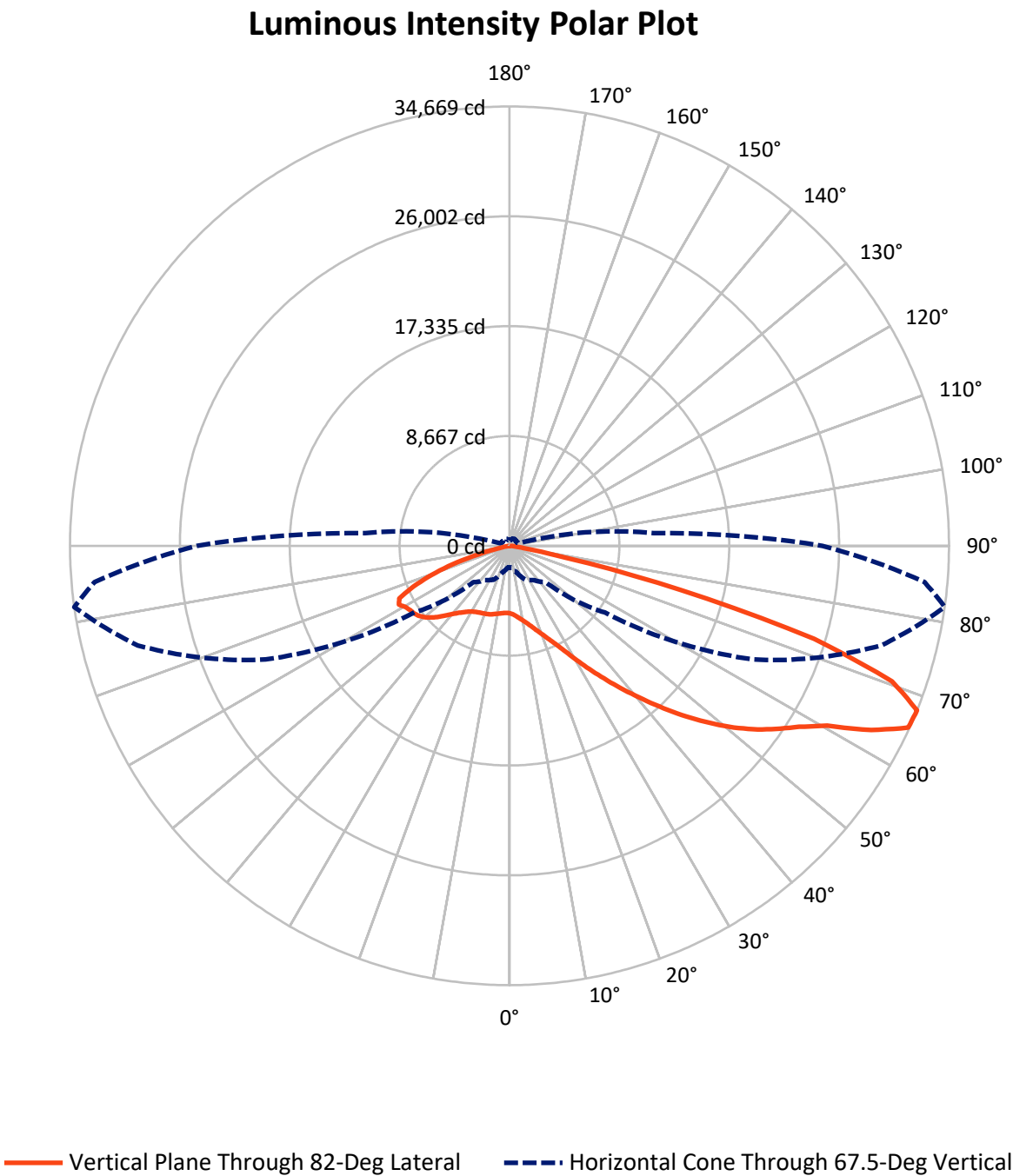
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
Type II - Medium - N/A

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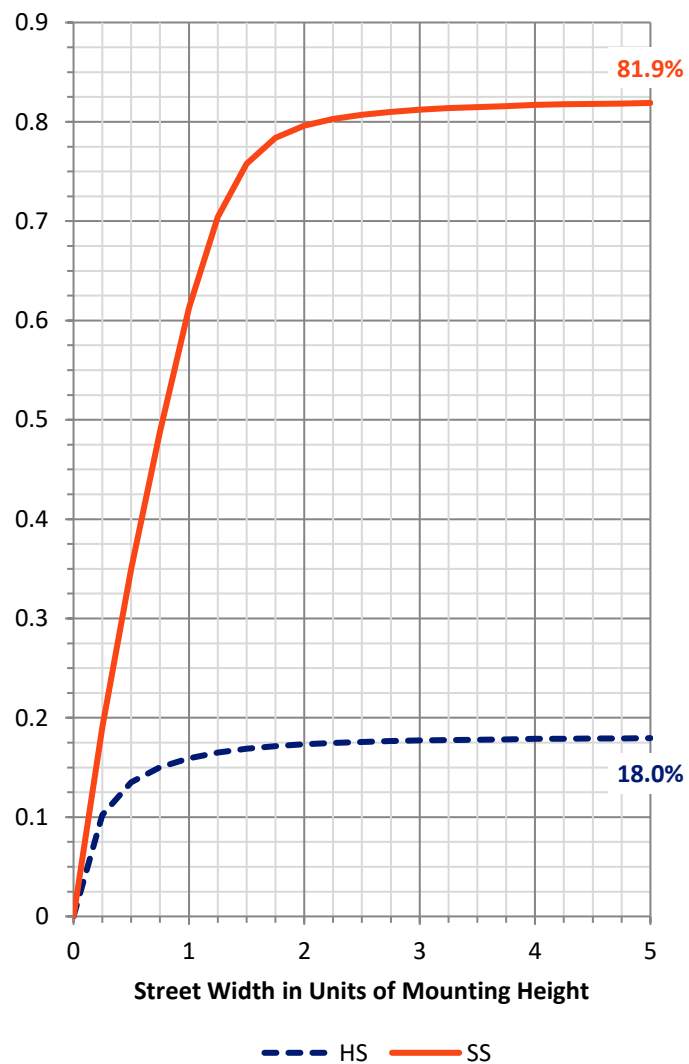
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5819.7	0.0	5819.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26308.3	0.0	26308.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	32128.0	0.0	32128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.2	1.5
10°-20°	1232.2	3.8
20°-30°	1973.7	6.1
30°-40°	3490.0	10.9
40°-50°	6114.9	19.0
50°-60°	8155.6	25.4
60°-70°	7592.4	23.6
70°-80°	2914.0	9.1
80°-90°	181.0	0.6
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°	32128.0	100.0
0°-180°	32128.0	100.0

Coefficient of Utilization



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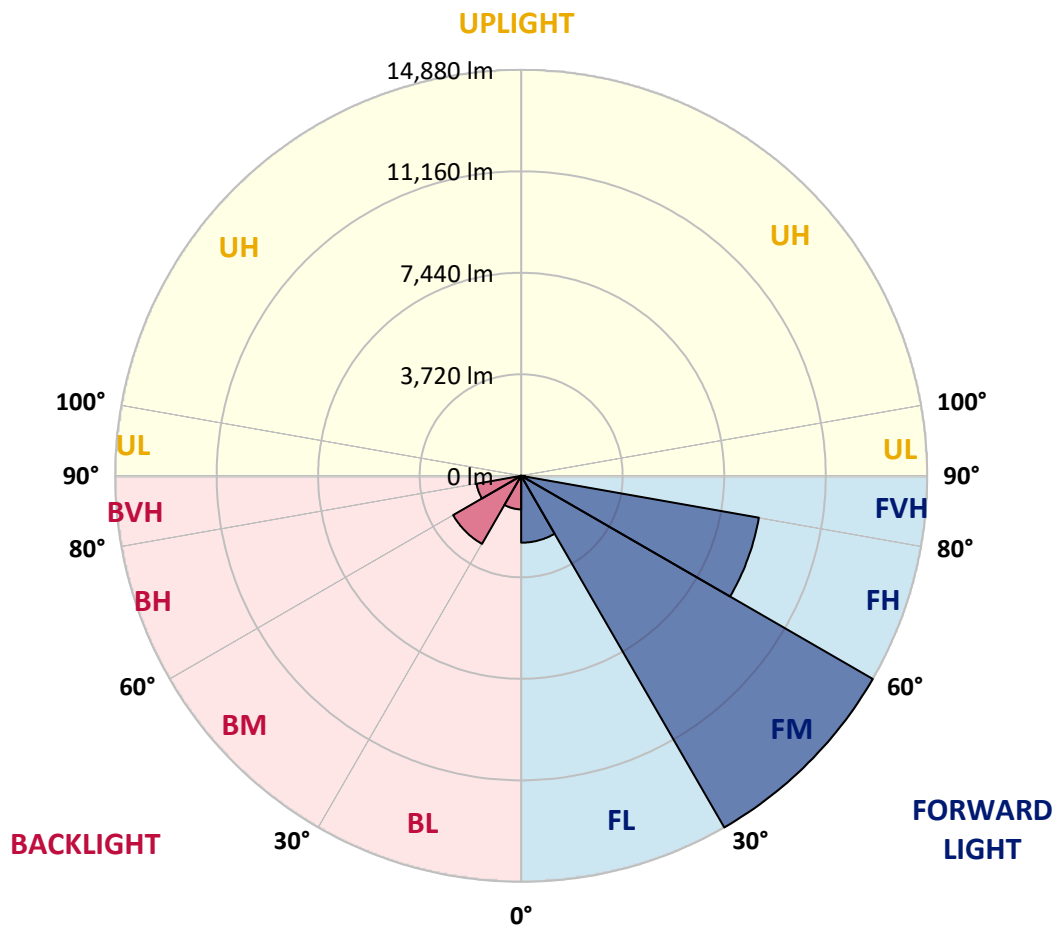
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2451.0	7.6			
FM	(30°-60°)	14880.4	46.3			
FH	(60°-80°)	8845.3	27.5			G4/12000
FVH	(80°-90°)	131.6	0.4			G2/225
BL	(0°-30°)	1229.1	3.8	B3/2500		
BM	(30°-60°)	2880.1	9.0	B3/5000		
BH	(60°-80°)	1661.1	5.2	B3/2500		G3/2500
BVH	(80°-90°)	49.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5
2.5°	5625.5	5657.9	5639.4	5630.2	5614.0	5590.8	5572.3	5514.5	5454.4	5415.0	5401.2
5°	5738.9	5771.3	5769.0	5778.2	5789.8	5796.7	5792.1	5727.3	5641.7	5574.7	5535.3
7.5°	5641.7	5678.7	5708.8	5755.1	5836.0	5921.6	5963.3	5949.4	5861.5	5769.0	5720.4
10°	5366.5	5405.8	5477.5	5586.2	5757.4	5942.4	6097.4	6169.1	6113.6	6011.8	5944.8
12.5°	4862.2	4901.5	5042.6	5278.6	5565.4	5886.9	6183.0	6375.0	6388.9	6287.1	6208.5
15°	4295.5	4334.8	4485.2	4781.2	5218.4	5734.3	6229.3	6592.4	6715.0	6627.1	6532.3
17.5°	3943.9	3978.6	4091.9	4330.2	4785.9	5428.9	6213.1	6823.7	7103.6	7034.2	6920.9
20°	3837.5	3867.6	3920.8	4087.3	4466.7	5112.0	6106.7	7041.2	7522.3	7483.0	7355.8
22.5°	3950.8	3978.6	3994.8	4068.8	4307.1	4903.8	5972.5	7263.2	8008.1	8012.7	7857.7
25°	4212.2	4240.0	4221.5	4267.7	4371.8	4839.1	5921.6	7524.6	8618.7	8669.6	8493.8
27.5°	4642.5	4644.8	4600.8	4598.5	4614.7	4936.2	5974.8	7804.5	9389.0	9483.9	9266.4
30°	5505.3	5470.6	5301.7	5119.0	5035.7	5227.7	6122.9	8135.3	10298.1	10466.9	10194.0
32.5°	6835.3	6784.4	6474.5	6037.3	5597.8	5697.3	6388.9	8512.3	11288.1	11593.4	11260.3
35°	8278.7	8264.8	7941.0	7291.0	6523.0	6365.7	6821.4	9007.3	12368.3	12854.1	12458.5
37.5°	9620.3	9613.4	9428.3	8662.7	7728.2	7297.9	7515.4	9655.0	13524.9	14228.1	13760.8
40°	10846.3	10867.1	10682.1	9997.4	9055.9	8493.8	8459.1	10455.4	14811.0	15724.7	15169.5
42.5°	11905.7	11928.8	11741.5	11234.9	10367.5	9816.9	9618.0	11436.1	16067.0	17332.3	16675.4
45°	12625.1	12768.5	12740.7	12335.9	11713.7	11142.4	11010.5	12666.7	17498.9	19037.1	18266.8
47.5°	12828.6	12960.5	13168.7	13224.2	12844.8	12282.7	12440.0	14149.4	18946.9	20744.2	19867.5
50°	12326.7	12449.3	12881.8	13457.8	13721.5	13548.0	13830.2	15738.6	20429.6	22446.7	21438.1
52.5°	11336.7	11461.6	12007.5	12918.9	13994.5	14540.4	15225.1	17304.6	21866.1	24058.9	22925.5
55°	9904.8	10036.7	10737.6	11769.2	13474.0	14949.8	16388.6	18868.2	23182.2	25509.2	24267.1
57.5°	7957.2	8054.3	8783.0	10226.4	12164.8	14542.7	17246.7	20575.3	24422.1	26934.1	25597.1
60°	5186.0	5271.6	6118.2	7728.2	9995.1	13182.6	17417.9	22479.0	26069.0	28787.0	27389.8
62.5°	3448.9	3506.7	4008.7	5190.7	7038.9	10571.0	16416.3	23998.8	28483.9	32011.5	30464.0
65°	2366.3	2424.2	2926.1	3749.6	4547.6	6992.6	13536.5	23797.5	30672.2	34572.1	32742.4
67.5°	1688.6	1737.2	2162.8	2940.0	3291.6	4061.9	9176.2	21225.3	30357.6	34669.3	32865.0
70°	1209.8	1237.5	1589.1	2290.0	2616.2	2440.4	5102.8	16233.6	26580.2	32013.8	30362.2
72.5°	846.6	855.9	1103.4	1744.1	2107.3	1781.1	2428.8	10823.2	20103.5	25127.6	23538.5
75°	573.7	585.2	742.5	1279.2	1690.9	1360.1	1286.1	5803.7	11801.6	13908.9	12467.8
77.5°	351.6	356.2	478.8	874.4	1265.3	1036.3	828.1	2458.9	4566.1	4482.9	3821.3
80°	198.9	198.9	305.3	543.6	862.8	668.5	580.6	1045.5	1445.7	1269.9	1119.6
82.5°	111.0	113.3	222.1	337.7	571.3	395.5	319.2	483.4	624.5	552.8	481.1
85°	46.3	50.9	136.5	159.6	272.9	196.6	129.5	203.6	231.3	205.9	150.4
87.5°	4.6	6.9	41.6	30.1	32.4	39.3	18.5	39.3	32.4	32.4	23.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5	5322.5
2.5°	5357.2	5322.5	5234.6	5132.8	4998.7	4933.9	4846.0	4785.9	4735.0	4739.6	4693.3
5°	5461.3	5373.4	5176.8	4931.6	4626.3	4408.8	4177.5	4017.9	3888.4	3860.6	3798.2
7.5°	5604.7	5465.9	5121.3	4679.5	4163.6	3772.7	3423.4	3199.1	3039.5	2988.6	2937.7
10°	5789.8	5588.5	5049.6	4362.6	3620.1	3122.7	2748.0	2572.2	2463.5	2426.5	2398.7
12.5°	6004.9	5729.6	4954.7	3976.3	3060.3	2581.5	2343.2	2255.3	2220.6	2209.0	2202.1
15°	6275.5	5905.4	4811.3	3518.3	2586.1	2250.7	2148.9	2137.3	2142.0	2137.3	2135.0
17.5°	6597.1	6097.4	4577.7	3046.4	2266.9	2081.8	2044.8	2054.1	2065.6	2063.3	2058.7
20°	6948.7	6287.1	4279.3	2627.7	2049.4	1961.5	1940.7	1950.0	1959.2	1954.6	1952.3
22.5°	7348.8	6490.7	3948.5	2301.6	1903.7	1850.5	1827.4	1829.7	1829.7	1820.4	1815.8
25°	7827.6	6715.0	3601.6	2070.3	1792.7	1751.0	1723.3	1714.0	1700.2	1672.4	1667.8
27.5°	8399.0	6953.3	3268.5	1908.3	1704.8	1665.5	1633.1	1609.9	1575.2	1529.0	1524.4
30°	9042.0	7242.4	2986.3	1806.6	1635.4	1596.1	1559.1	1524.4	1473.5	1415.6	1411.0
32.5°	9798.4	7552.4	2780.4	1739.5	1572.9	1531.3	1487.3	1445.7	1390.2	1332.4	1334.7
35°	10700.6	7927.1	2660.1	1693.2	1524.4	1468.8	1420.3	1374.0	1332.4	1281.5	1276.9
37.5°	11679.0	8325.0	2623.1	1670.1	1492.0	1406.4	1350.9	1318.5	1313.9	1283.8	1281.5
40°	12750.0	8796.9	2650.9	1656.2	1457.3	1346.2	1286.1	1279.2	1290.7	1237.5	1239.8
42.5°	13883.4	9356.6	2697.1	1640.0	1408.7	1286.1	1228.3	1228.3	1219.0	1145.0	1145.0
45°	15109.4	10002.0	2743.4	1600.7	1350.9	1226.0	1182.0	1165.8	1126.5	1054.8	1052.5
47.5°	16344.6	10658.9	2778.1	1529.0	1281.5	1175.1	1135.7	1098.7	1040.9	976.1	973.8
50°	17517.4	11248.8	2741.1	1422.6	1202.8	1126.5	1084.9	1034.0	971.5	927.6	920.6
52.5°	18565.2	11760.0	2583.8	1297.7	1119.6	1075.6	1038.6	985.4	934.5	888.2	883.6
55°	19476.6	12174.0	2306.2	1179.7	1045.5	1031.7	994.6	927.6	858.2	818.8	814.2
57.5°	20351.0	12488.6	1959.2	1082.5	978.5	983.1	927.6	867.4	802.7	761.0	756.4
60°	21514.5	12909.6	1607.6	992.3	906.7	920.6	860.5	816.5	735.6	682.4	675.4
62.5°	23374.2	13564.2	1276.9	881.3	823.5	828.1	802.7	749.5	652.3	589.8	585.2
65°	24850.0	13323.7	1006.2	761.0	728.6	735.6	735.6	677.7	573.7	502.0	495.0
67.5°	24683.5	11408.4	802.7	643.1	638.4	643.1	659.2	610.7	508.9	451.1	441.8
70°	22738.1	9074.4	643.1	534.3	555.2	543.6	589.8	557.5	458.0	400.2	393.2
72.5°	18553.7	6536.9	490.4	441.8	425.6	444.1	532.0	502.0	381.7	316.9	310.0
75°	10841.7	3488.2	365.5	349.3	307.6	370.1	471.9	427.9	291.5	233.6	226.7
77.5°	3529.8	1216.7	268.3	256.8	229.0	298.4	402.5	360.8	238.3	185.1	178.1
80°	946.1	367.8	182.7	168.9	148.0	222.1	319.2	286.8	171.2	120.3	118.0
82.5°	379.4	155.0	106.4	94.8	81.0	152.7	252.1	231.3	127.2	76.3	76.3
85°	122.6	50.9	39.3	30.1	37.0	94.8	150.4	157.3	90.2	39.3	30.1
87.5°	16.2	6.9	6.9	9.3	6.9	16.2	46.3	43.9	25.4	4.6	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

(END OF REPORT)