

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: P942622

Luminaire Tested: **GALN-SB6D-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50531 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
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



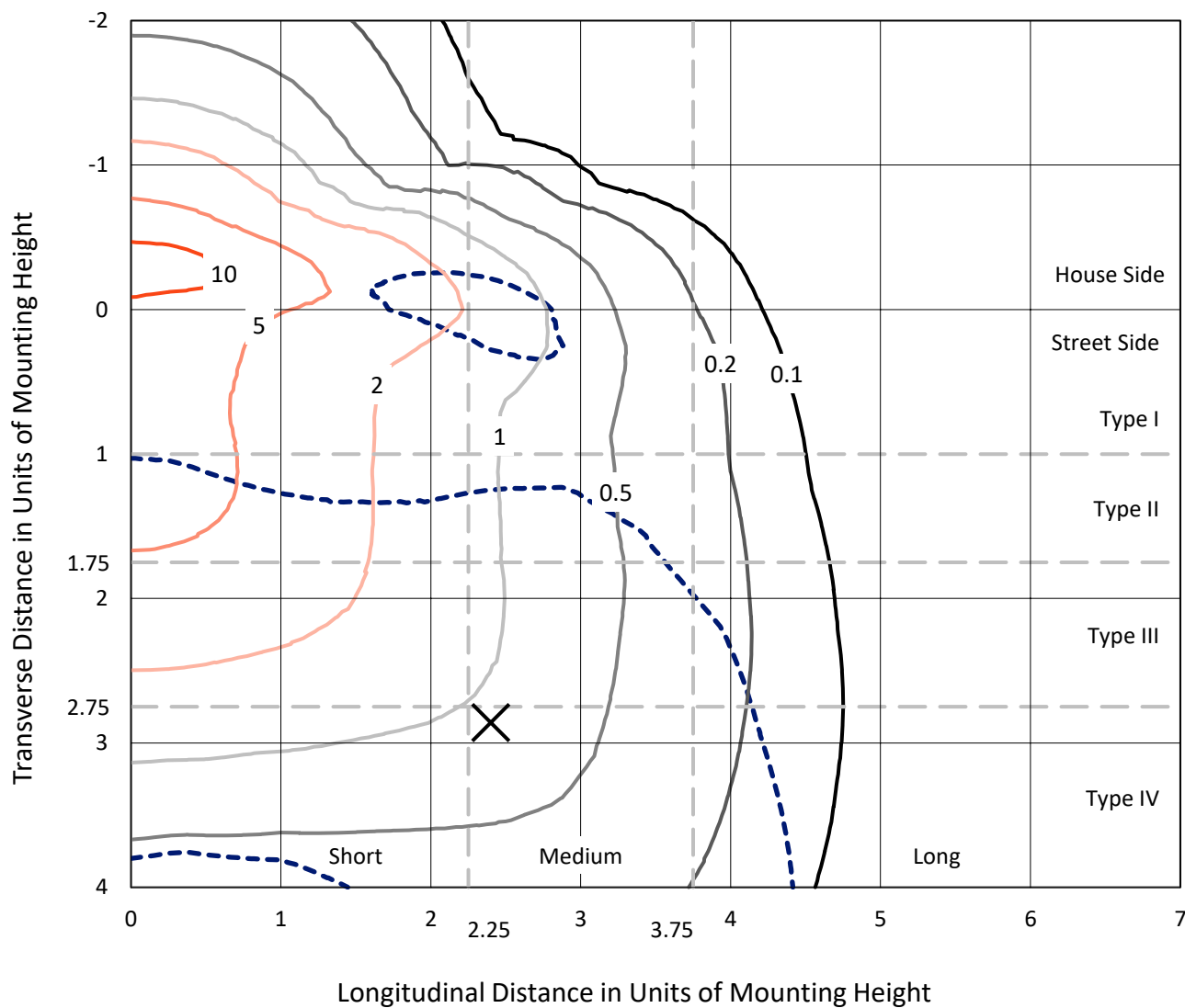
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

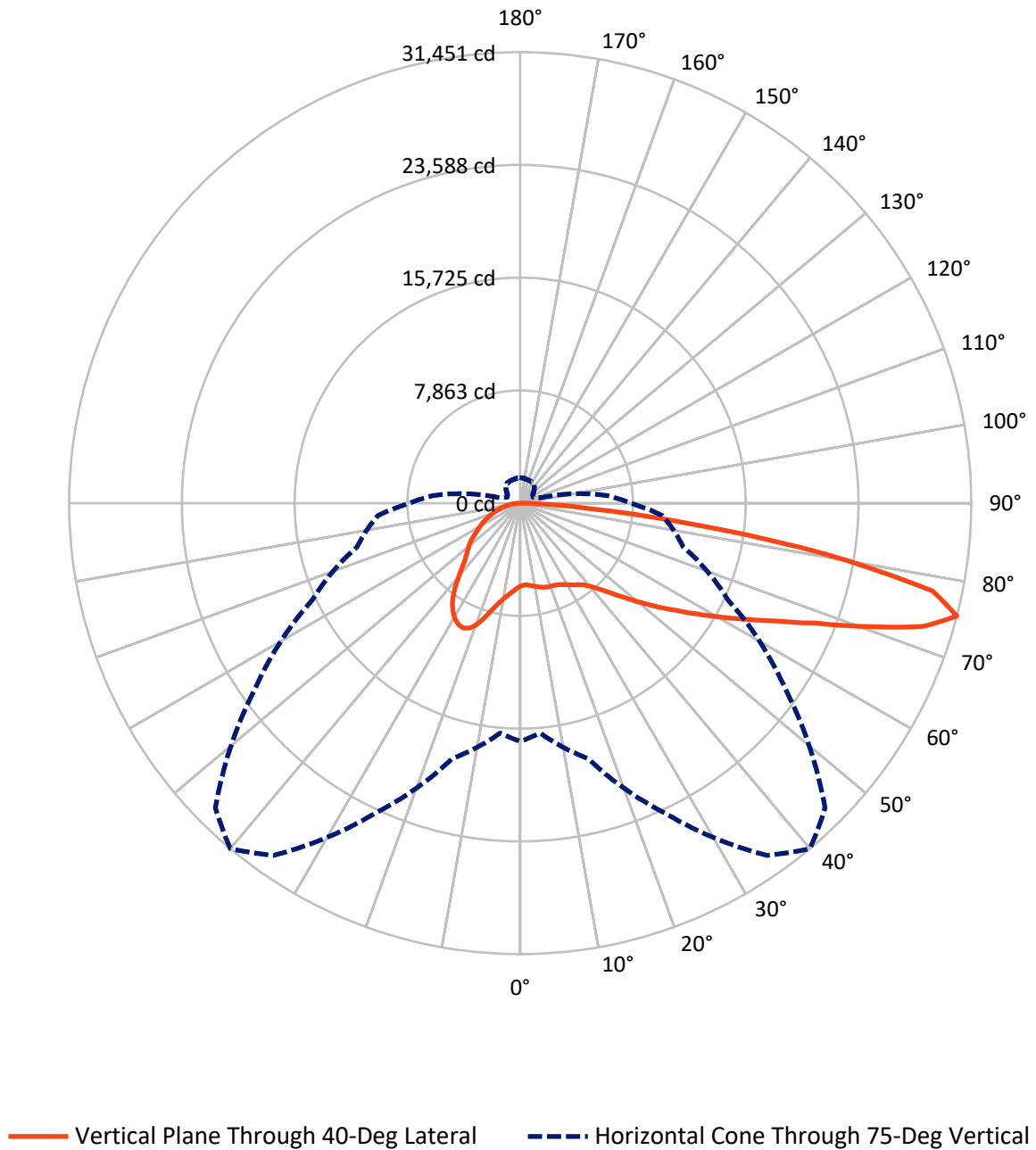


Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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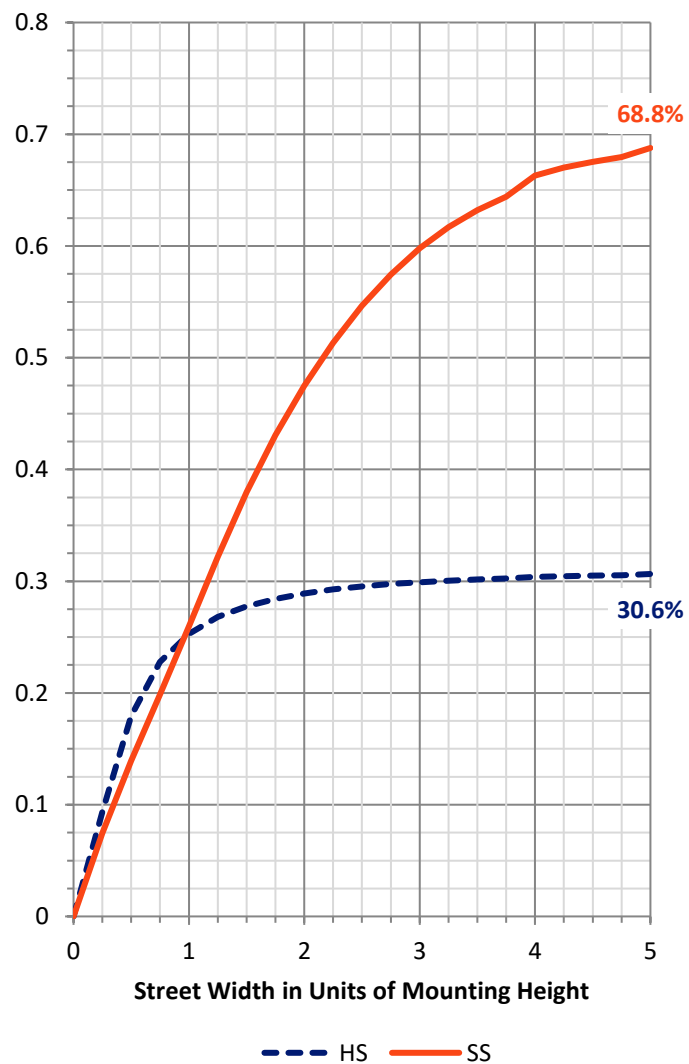
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15656.2	0.0	15656.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	34874.8	0.0	34874.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	50531.0	0.0	50531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.8	1.1
10°-20°	1936.5	3.8
20°-30°	3535.9	7.0
30°-40°	5014.9	9.9
40°-50°	6771.7	13.4
50°-60°	9109.7	18.0
60°-70°	11562.3	22.9
70°-80°	10493.5	20.8
80°-90°	1529.6	3.0
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°	50531.0	100.0
0°-180°	50531.0	100.0

Coefficient of Utilization



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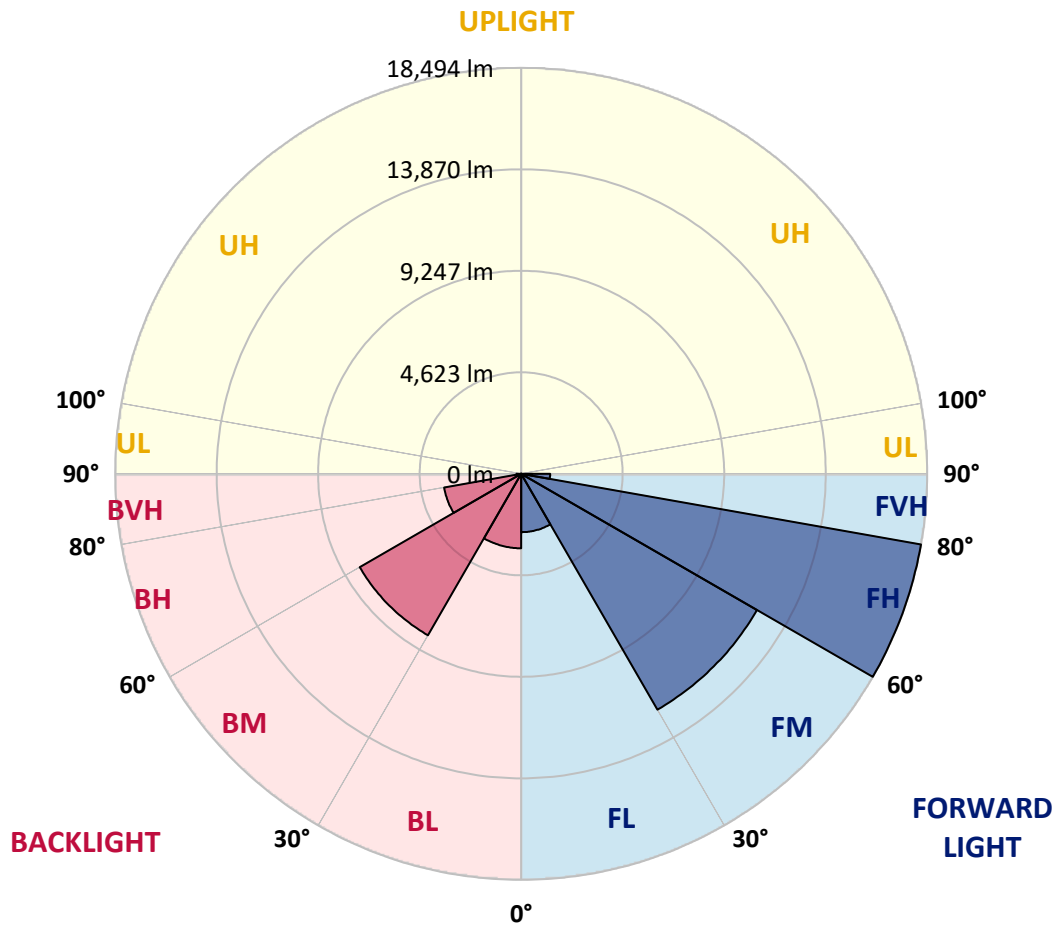
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2658.0	5.3			
FM	(30°-60°)	12404.2	24.5			
FH	(60°-80°)	18493.6	36.6			G5
FVH	(80°-90°)	1319.0	2.6			G5
BL	(0°-30°)	3391.3	6.7	B4/5000		
BM	(30°-60°)	8492.1	16.8	B4/8500		
BH	(60°-80°)	3562.3	7.0	B4/5000		G4/5000
BVH	(80°-90°)	210.6	0.4			G2/225
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3
2.5°	5689.8	5722.0	5714.0	5703.2	5703.2	5705.9	5703.2	5722.0	5740.8	5759.5	5789.0
5°	5748.8	5781.0	5764.9	5751.5	5740.8	5738.1	5730.0	5727.4	5738.1	5762.2	5802.4
7.5°	5864.1	5896.2	5872.1	5848.0	5826.5	5815.8	5805.1	5789.0	5781.0	5794.4	5850.6
10°	5992.7	6024.9	5995.4	5952.5	5917.7	5904.3	5893.5	5877.5	5866.7	5874.8	5936.4
12.5°	6121.3	6153.5	6113.3	6054.3	6008.8	6000.7	5987.3	5982.0	5979.3	5976.6	6038.3
15°	6241.9	6268.7	6217.8	6148.1	6099.9	6086.5	6073.1	6081.1	6094.5	6110.6	6180.3
17.5°	6335.7	6362.5	6287.5	6196.4	6150.8	6145.5	6137.4	6164.2	6201.7	6241.9	6327.7
20°	6421.5	6448.3	6351.8	6228.5	6174.9	6174.9	6177.6	6233.9	6287.5	6346.5	6464.4
22.5°	6542.1	6563.6	6445.6	6276.8	6199.1	6204.4	6225.9	6282.1	6349.1	6429.6	6593.0
25°	6721.7	6737.8	6593.0	6367.9	6279.5	6295.5	6314.3	6341.1	6405.4	6499.2	6719.0
27.5°	7011.1	7024.5	6834.2	6528.7	6394.7	6421.5	6448.3	6429.6	6459.0	6539.4	6820.8
30°	7418.5	7426.5	7185.3	6780.6	6590.4	6603.8	6609.1	6531.4	6475.1	6539.4	6893.2
32.5°	7900.9	7898.2	7611.5	7086.2	6812.8	6799.4	6753.8	6601.1	6469.8	6526.0	6957.5
35°	8648.7	8619.2	8249.3	7515.0	7064.7	6981.7	6874.4	6678.8	6496.6	6512.6	7013.8
37.5°	9886.9	9795.8	9283.9	8217.2	7439.9	7228.2	7070.1	6804.8	6555.5	6507.3	7080.8
40°	11283.2	11168.0	10605.1	9179.3	8002.8	7662.4	7407.8	6984.3	6652.0	6531.4	7180.0
42.5°	12939.5	12776.0	12170.3	10313.0	8715.7	8222.5	7839.3	7212.1	6794.0	6609.1	7314.0
45°	14973.7	14756.6	13899.0	11591.4	9613.5	8956.9	8445.0	7557.9	7011.1	6759.2	7515.0
47.5°	17029.3	17082.9	15863.5	13054.7	10690.9	9862.8	9203.4	8077.8	7327.4	7000.4	7839.3
50°	19213.6	19251.1	17817.3	14676.2	11913.0	10886.6	10055.7	8659.4	7766.9	7343.5	8324.4
52.5°	20918.2	20923.5	19591.5	16372.7	13186.1	12012.2	10975.0	9324.1	8276.1	7799.1	8970.3
55°	21984.8	21971.4	20835.1	17978.1	14649.4	13194.1	11993.4	10079.8	8897.9	8335.1	9782.4
57.5°	22759.4	22719.2	21692.7	19358.3	16209.2	14590.4	13145.9	10937.5	9632.3	8973.0	10851.7
60°	23054.2	23030.1	22274.3	20551.0	17849.4	16134.2	14475.2	11896.9	10465.8	9726.1	12226.6
62.5°	23166.8	23212.3	22845.1	21706.1	19604.9	17844.1	15935.9	13044.0	11403.8	10578.3	13676.5
65°	23563.4	23646.5	23571.4	23217.7	21588.2	19846.1	17873.6	14408.2	12427.6	11492.3	15190.8
67.5°	24348.7	24431.8	24463.9	25026.7	24011.0	22341.3	20291.0	16107.4	13625.6	12441.0	16329.8
70°	24329.9	24305.8	24874.0	26465.9	27044.8	25795.9	23550.0	18197.9	15054.1	13229.0	16474.6
72.5°	22145.6	21952.7	23295.4	26449.9	29569.5	29403.3	27529.9	20894.0	16286.9	13325.4	14295.6
75°	16613.9	16099.3	18471.2	23836.8	29990.3	31450.9	30060.0	22566.4	15994.8	11773.7	9948.5
77.5°	7104.9	6587.7	9383.0	17645.8	26841.2	29400.7	27739.0	19688.0	12768.0	7785.7	4885.8
80°	1860.0	1857.3	2835.5	8000.1	18254.1	21711.5	19047.4	12714.4	7295.2	2781.9	1348.1
82.5°	769.2	750.4	1042.6	3111.6	8919.4	12183.7	9943.2	5671.1	2634.5	753.1	447.6
85°	286.8	284.1	506.5	1074.7	3146.4	5025.2	3636.9	1449.9	656.6	367.2	201.0
87.5°	80.4	77.7	109.9	372.5	766.5	1163.2	621.8	238.5	184.9	144.7	59.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3	5778.3
2.5°	5797.0	5810.4	5834.6	5853.3	5877.5	5904.3	5941.8	5965.9	5990.0	6006.1	5995.4
5°	5821.2	5850.6	5912.3	5973.9	6046.3	6113.3	6191.0	6247.3	6292.9	6306.3	6311.6
7.5°	5874.8	5923.0	6027.5	6132.1	6247.3	6357.2	6469.8	6566.2	6644.0	6673.4	6676.1
10°	5968.6	6032.9	6180.3	6327.7	6480.5	6649.3	6794.0	6933.4	7043.3	7088.9	7091.5
12.5°	6086.5	6166.9	6359.9	6563.6	6775.3	7008.5	7196.1	7367.6	7504.3	7565.9	7565.9
15°	6239.3	6343.8	6590.4	6863.7	7174.6	7498.9	7737.4	7927.7	8080.5	8155.5	8150.2
17.5°	6405.4	6544.8	6855.7	7268.4	7713.3	8139.5	8418.2	8557.5	8715.7	8788.0	8785.4
20°	6566.2	6737.8	7182.7	7783.0	8375.3	8828.2	9053.4	9090.9	9101.6	9109.6	9131.1
22.5°	6732.4	6962.9	7592.7	8431.6	9066.8	9380.3	9412.5	9251.7	9026.6	8922.0	8951.5
25°	6914.6	7220.2	8128.7	9147.2	9661.7	9699.3	9452.7	9061.4	8635.3	8439.6	8469.1
27.5°	7091.5	7517.7	8772.0	9830.6	10090.6	9760.9	9230.3	8675.5	8160.9	7954.5	7978.6
30°	7268.4	7858.0	9482.2	10428.3	10286.2	9608.1	8879.2	8260.1	7742.8	7525.7	7549.8
32.5°	7448.0	8254.7	10299.6	10859.7	10251.4	9283.9	8442.3	7793.7	7338.1	7110.3	7139.8
35°	7651.7	8742.5	11074.2	11095.6	10018.2	8806.8	7866.1	7236.3	6839.6	6657.4	6697.6
37.5°	7917.0	9361.6	11757.6	11154.6	9610.8	8107.3	7150.5	6577.0	6250.0	6166.9	6225.9
40°	8246.7	10106.6	12280.2	11060.8	9007.8	7257.7	6367.9	5909.6	5724.7	5743.4	5807.8
42.5°	8675.5	10940.2	12647.4	10819.5	8168.9	6381.3	5681.8	5478.1	5566.6	5641.6	5711.3
45°	9232.9	11805.8	12875.2	10409.5	7220.2	5638.9	5277.1	5325.4	5392.4	5400.4	5454.0
47.5°	9945.8	12682.2	13025.3	9790.4	6252.7	5116.3	5019.8	5030.5	5017.1	4960.9	5003.7
50°	10835.6	13534.5	13159.3	8970.3	5429.9	4789.3	4660.7	4623.2	4438.2	4256.0	4280.1
52.5°	11848.7	14317.1	13215.6	7951.8	4789.3	4516.0	4306.9	4071.1	3725.3	3669.1	3687.8
55°	12974.3	15040.7	13070.8	6700.2	4250.6	4164.9	3848.6	3564.5	3527.0	3478.8	3486.8
57.5°	14319.8	15820.6	12776.0	5303.9	3698.5	3754.8	3446.6	3478.8	3411.8	3336.7	3323.3
60°	15791.1	16627.3	12258.8	4030.9	3127.7	3242.9	3342.1	3339.4	3320.6	3259.0	3237.6
62.5°	17115.1	17158.0	11240.3	3087.5	2626.5	2846.3	3117.0	3114.3	3098.2	3063.3	3049.9
65°	17903.0	17077.6	9541.1	2430.8	2213.8	2519.3	2811.4	2832.9	2835.5	2832.9	2832.9
67.5°	17763.7	16136.9	7209.5	1935.0	1873.4	2187.0	2508.6	2538.1	2559.5	2564.9	2570.2
70°	16187.8	14070.5	4700.9	1543.7	1570.5	1894.8	2221.8	2251.3	2270.0	2291.5	2302.2
72.5°	12617.9	10345.2	2690.8	1248.9	1305.2	1642.9	1937.7	1972.6	1983.3	2023.5	2039.6
75°	7689.2	6083.8	1452.6	983.6	1072.0	1404.4	1656.3	1696.5	1715.3	1763.5	1768.9
77.5°	3655.7	2634.5	828.1	766.5	863.0	1147.1	1399.0	1444.6	1393.6	1420.5	1399.0
80°	1235.5	978.2	522.6	584.3	659.3	895.2	1120.3	1165.8	1058.6	1053.3	1042.6
82.5°	431.5	396.7	332.3	388.6	426.1	640.5	846.9	905.9	787.9	785.3	747.7
85°	168.8	160.8	184.9	211.7	254.6	394.0	557.5	586.9	485.1	391.3	385.9
87.5°	34.8	37.5	45.6	48.2	77.7	136.7	201.0	246.6	195.6	166.2	152.8
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)