

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: P956624

Luminaire Tested: **GALN-SB9B-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9B-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35874 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 329.5
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

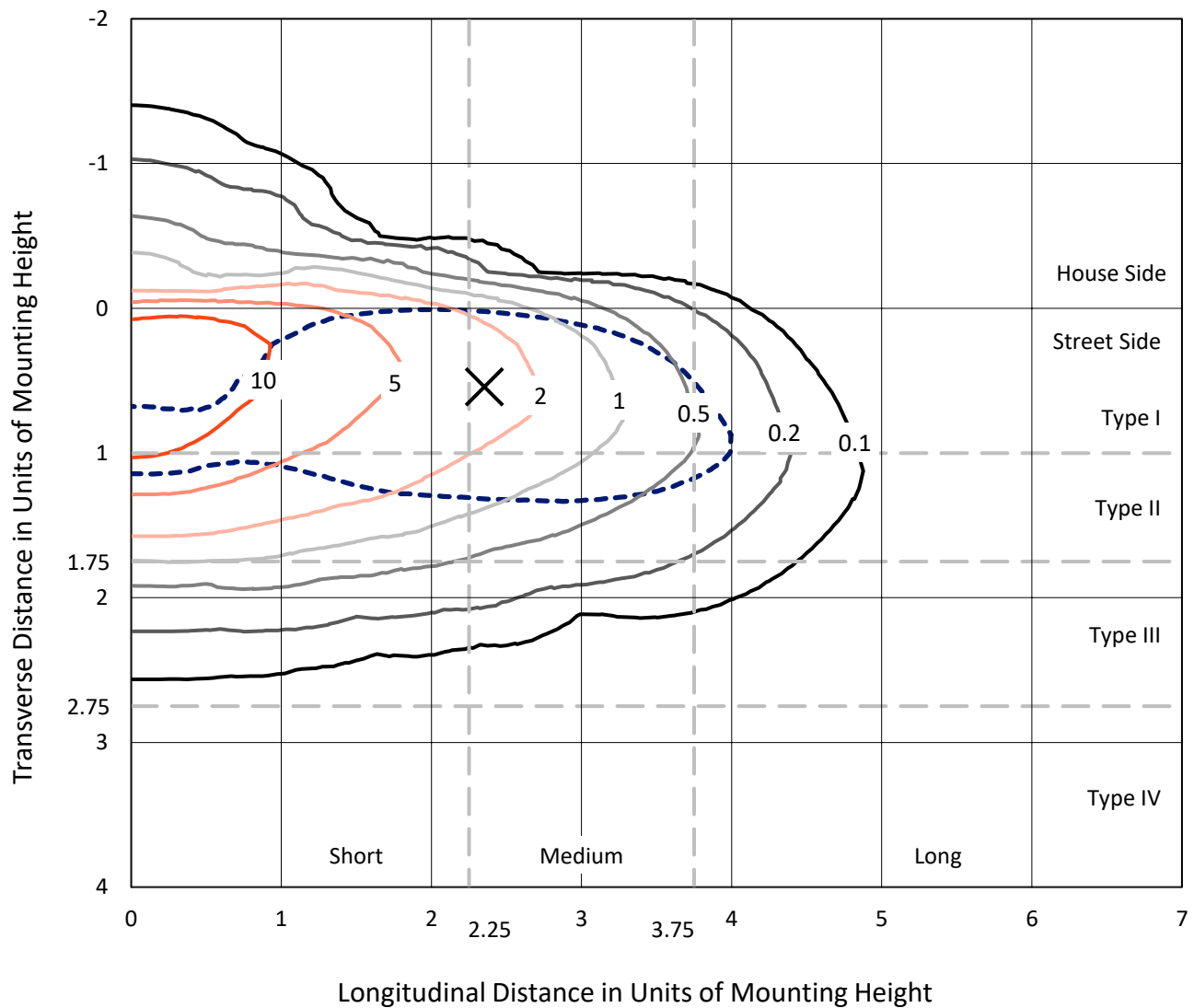


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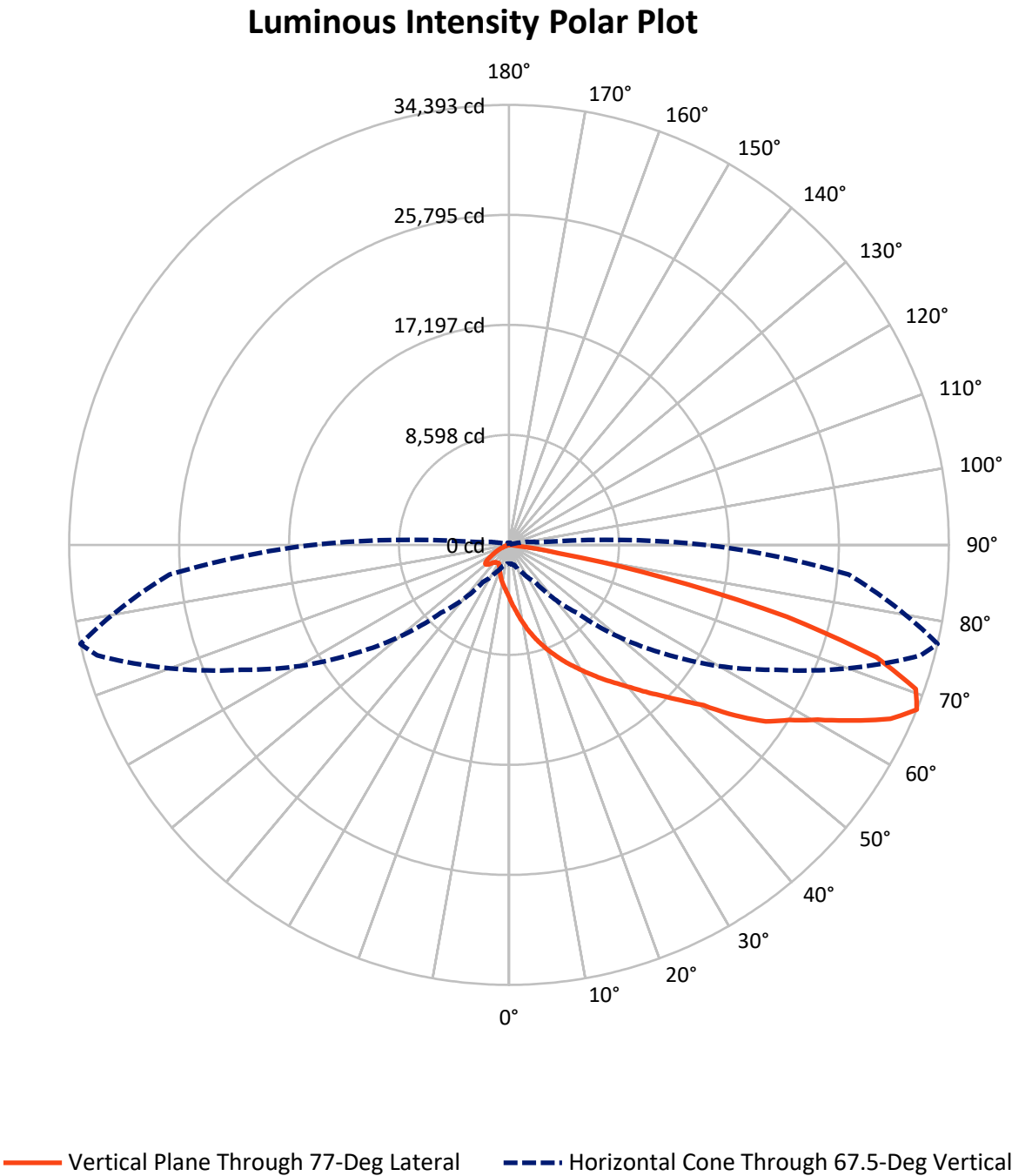
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 fc
Type II - Medium - N/A

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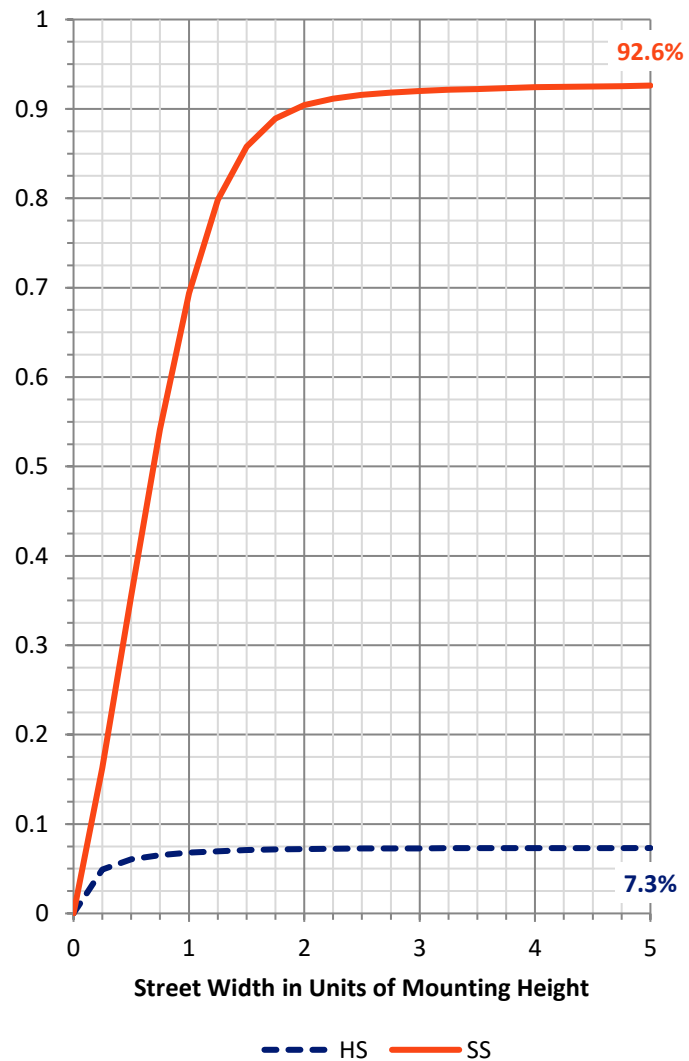
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2639.3	0.0	2639.3
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	33234.7	0.0	33234.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	35874.0	0.0	35874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.2	1.2
10°-20°	1478.6	4.1
20°-30°	2853.3	8.0
30°-40°	4953.5	13.8
40°-50°	7192.2	20.0
50°-60°	8259.3	23.0
60°-70°	7170.6	20.0
70°-80°	3377.4	9.4
80°-90°	167.0	0.5
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°	35874.0	100.0
0°-180°	35874.0	100.0

Coefficient of Utilization



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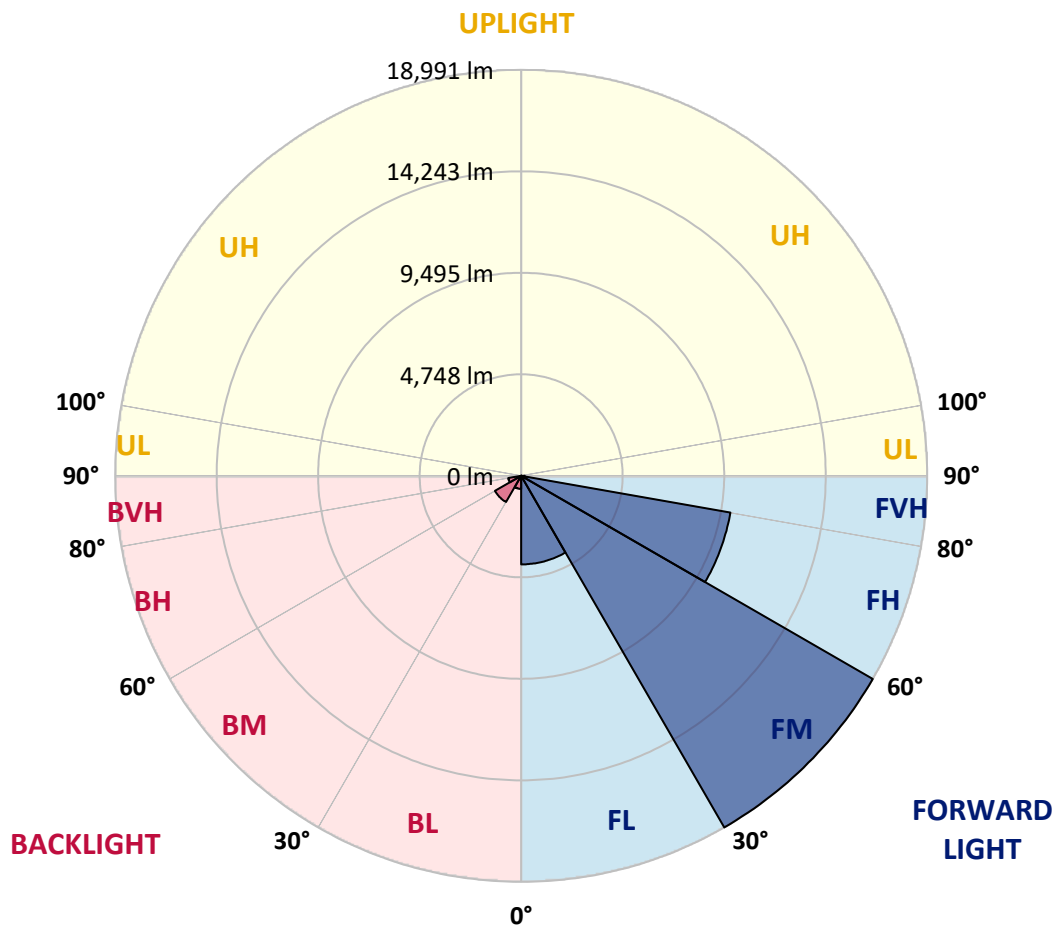
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4143.1	11.5			
FM	(30°-60°)	18990.7	52.9			
FH	(60°-80°)	9937.0	27.7			G4/12000
FVH	(80°-90°)	164.0	0.5			G2/225
BL	(0°-30°)	611.0	1.7	B2/1000		
BM	(30°-60°)	1414.2	3.9	B2/2500		
BH	(60°-80°)	611.0	1.7	B2/1000		G2/1000
BVH	(80°-90°)	3.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8
2.5°	5727.4	5763.0	5711.8	5613.8	5466.7	5370.9	5137.0	4916.5	4671.4	4593.5	4348.4
5°	6981.5	7012.7	6954.8	6847.9	6651.8	6464.7	6157.3	5696.2	5217.2	5063.5	4629.1
7.5°	7910.5	7928.3	7906.0	7808.0	7620.9	7409.3	7066.2	6520.4	5809.8	5640.5	4974.4
10°	8578.8	8636.7	8630.0	8592.2	8467.4	8295.9	7930.5	7309.0	6473.6	6255.3	5364.3
12.5°	9022.1	9086.7	9124.6	9209.2	9202.5	9093.4	8772.6	8115.4	7135.3	6879.1	5803.1
15°	9151.3	9220.4	9365.2	9561.2	9735.0	9790.6	9565.7	8906.3	7863.7	7536.2	6253.1
17.5°	9077.8	9184.7	9358.5	9668.1	10049.1	10300.8	10276.3	9670.4	8525.3	8151.1	6694.2
20°	9240.4	9342.9	9478.8	9739.4	10182.7	10639.4	10822.1	10401.0	9182.5	8790.4	7157.5
22.5°	10140.4	10122.6	10135.9	10178.3	10443.4	10895.6	11272.1	11064.9	9833.0	9432.0	7647.6
25°	11566.1	11485.9	11350.0	11120.6	11053.7	11272.1	11664.1	11653.0	10519.1	10089.2	8148.8
27.5°	13201.2	13187.9	12869.3	12316.8	12005.0	11920.3	12107.4	12225.5	11198.5	10739.6	8652.3
30°	14767.3	14802.9	14373.0	13758.1	13185.6	12853.7	12684.4	12769.1	11889.1	11441.4	9171.4
32.5°	16130.6	16168.5	15700.7	14981.1	14272.7	13871.8	13515.3	13305.9	12642.1	12154.2	9741.6
35°	17282.3	17320.2	16783.3	15988.1	15232.9	14869.8	14466.5	13894.0	13399.5	12945.0	10376.5
37.5°	18311.5	18300.4	17580.8	16778.9	16037.1	15749.7	15538.1	14618.0	14179.2	13740.3	11080.5
40°	18919.7	18966.5	18351.6	17467.2	16747.7	16538.3	16524.9	15515.8	15079.2	14653.7	11851.3
42.5°	19097.9	19180.3	18734.8	18008.6	17355.8	17128.6	17478.4	16487.1	16126.2	15711.8	12722.3
45°	18777.1	18857.3	18654.6	18151.1	17770.2	17623.2	18298.2	17494.0	17244.5	16834.6	13704.7
47.5°	17841.5	17941.7	17990.7	17883.8	17879.4	18028.6	19033.3	18554.3	18572.2	18153.4	14843.0
50°	16030.4	16199.7	16649.7	17028.4	17614.3	18349.4	19748.4	19703.8	20069.2	19708.3	16326.7
52.5°	12737.9	12978.5	14528.9	15564.8	16881.3	18289.2	20534.7	21548.3	22695.6	22167.6	18418.4
55°	10236.2	10236.2	11497.1	13435.1	15451.2	17892.7	20877.8	22746.8	24484.4	24359.7	19890.9
57.5°	8344.9	8445.1	9249.3	10962.4	13381.7	16948.2	21089.4	23499.8	25925.7	25834.4	21330.0
60°	5150.4	5366.5	6885.8	8576.6	11027.0	15266.3	20955.8	24261.6	27674.5	27748.0	23063.2
62.5°	2900.4	2980.6	3657.8	6170.7	8574.3	13005.2	19933.3	24687.1	29911.0	30222.9	24849.8
65°	2002.7	2042.8	2303.4	3840.5	5943.4	10354.3	17935.0	24422.0	32152.1	32782.5	26364.6
67.5°	1454.7	1474.7	1637.3	2345.7	3526.4	7507.3	14802.9	23085.4	33339.4	34393.1	26654.2
70°	1118.3	1131.7	1249.7	1541.6	2082.9	4633.6	10750.8	20427.8	32479.6	33738.2	25170.5
72.5°	908.9	922.3	1013.6	1140.6	1381.2	2740.0	6516.0	16589.5	28683.6	30042.5	21428.0
75°	766.3	784.1	866.6	949.0	1082.7	1759.9	3056.4	11552.7	21570.6	22461.7	14900.9
77.5°	425.5	392.1	703.9	786.4	913.3	1113.8	1430.2	6798.9	12080.7	12328.0	6611.8
80°	265.1	274.0	559.1	632.7	701.7	561.4	654.9	2617.5	4188.0	3978.6	1280.9
82.5°	15.6	35.6	429.9	456.7	481.2	240.6	247.3	888.8	1009.1	926.7	227.2
85°	0.0	0.0	196.0	158.2	167.1	69.1	71.3	207.2	135.9	147.0	44.6
87.5°	0.0	0.0	0.0	4.5	0.0	6.7	13.4	17.8	6.7	8.9	15.6
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°	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8	4136.8
2.5°	4192.5	4036.6	3720.2	3410.6	3158.8	2924.9	2757.9	2599.7	2519.5	2515.0	2510.6
5°	4319.5	3992.0	3359.3	2800.2	2350.2	1989.3	1755.4	1588.3	1503.7	1474.7	1470.3
7.5°	4497.7	4005.4	3043.0	2265.5	1735.4	1425.7	1292.1	1238.6	1220.8	1200.7	1196.3
10°	4722.7	4036.6	2760.1	1824.5	1367.8	1211.9	1158.4	1136.1	1122.8	1109.4	1104.9
12.5°	4974.4	4065.5	2479.4	1514.8	1202.9	1122.8	1084.9	1058.1	1040.3	1024.7	1020.3
15°	5219.5	4083.3	2187.6	1298.7	1118.3	1053.7	1013.6	984.6	960.1	942.3	940.1
17.5°	5462.3	4107.8	1913.6	1169.5	1049.2	984.6	944.5	908.9	888.8	868.8	866.6
20°	5731.8	4103.4	1655.2	1078.2	980.2	915.6	873.3	839.8	819.8	797.5	795.3
22.5°	5981.3	4081.1	1427.9	1000.2	908.9	846.5	799.7	766.3	746.3	728.5	726.2
25°	6268.7	4063.3	1238.6	928.9	842.1	779.7	728.5	697.3	675.0	659.4	657.2
27.5°	6544.9	4036.6	1100.5	864.3	777.5	717.3	668.3	632.7	612.6	601.5	601.5
30°	6816.7	4029.9	1049.2	802.0	719.5	659.4	610.4	577.0	561.4	556.9	554.7
32.5°	7144.2	4047.7	1071.5	779.7	666.1	605.9	559.1	534.6	519.0	519.0	519.0
35°	7493.9	4043.2	1104.9	799.7	630.4	552.5	516.8	501.2	485.6	485.6	485.6
37.5°	7932.8	4049.9	1131.7	833.2	617.1	507.9	487.9	467.8	458.9	458.9	458.9
40°	8587.7	4270.5	1118.3	862.1	612.6	476.7	436.6	429.9	423.3	423.3	423.3
42.5°	9389.7	4749.4	1136.1	864.3	610.4	454.4	401.0	414.3	398.8	396.5	394.3
45°	10267.4	5272.9	1249.7	817.6	608.2	443.3	383.2	398.8	374.3	374.3	374.3
47.5°	11138.4	5792.0	1365.6	750.7	601.5	441.1	367.6	358.7	352.0	354.2	354.2
50°	12339.1	6215.2	1410.1	659.4	585.9	436.6	338.6	340.8	336.4	340.8	340.8
52.5°	13646.8	6304.3	1356.7	556.9	541.3	423.3	318.6	327.5	325.2	329.7	329.7
55°	14462.1	6208.5	1120.5	463.4	472.3	369.8	298.5	316.3	316.3	316.3	316.3
57.5°	15304.2	5800.9	795.3	376.5	392.1	303.0	280.7	305.2	303.0	300.7	300.7
60°	15910.1	5141.5	523.5	309.6	311.9	249.5	260.6	287.4	285.1	274.0	274.0
62.5°	16362.3	4413.0	336.4	262.9	238.4	225.0	238.4	260.6	251.7	227.2	222.8
65°	16311.1	3403.9	258.4	225.0	196.0	196.0	207.2	227.2	200.5	160.4	155.9
67.5°	15359.8	2303.4	213.9	189.4	164.8	162.6	171.5	189.4	171.5	135.9	131.4
70°	13660.1	1505.9	171.5	147.0	131.4	120.3	138.1	162.6	144.8	109.2	104.7
72.5°	11087.2	917.8	129.2	106.9	95.8	78.0	109.2	133.7	115.8	80.2	75.7
75°	7173.1	467.8	89.1	69.1	51.2	46.8	80.2	100.2	80.2	49.0	42.3
77.5°	2744.5	196.0	49.0	31.2	26.7	22.3	44.6	60.1	33.4	11.1	8.9
80°	528.0	82.4	24.5	15.6	13.4	8.9	6.7	4.5	0.0	0.0	0.0
82.5°	91.3	26.7	8.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

(END OF REPORT)