

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: P951983

Luminaire Tested: **GALN-SB6A-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951983
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-SB6A-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA 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: 19026 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 170.9
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

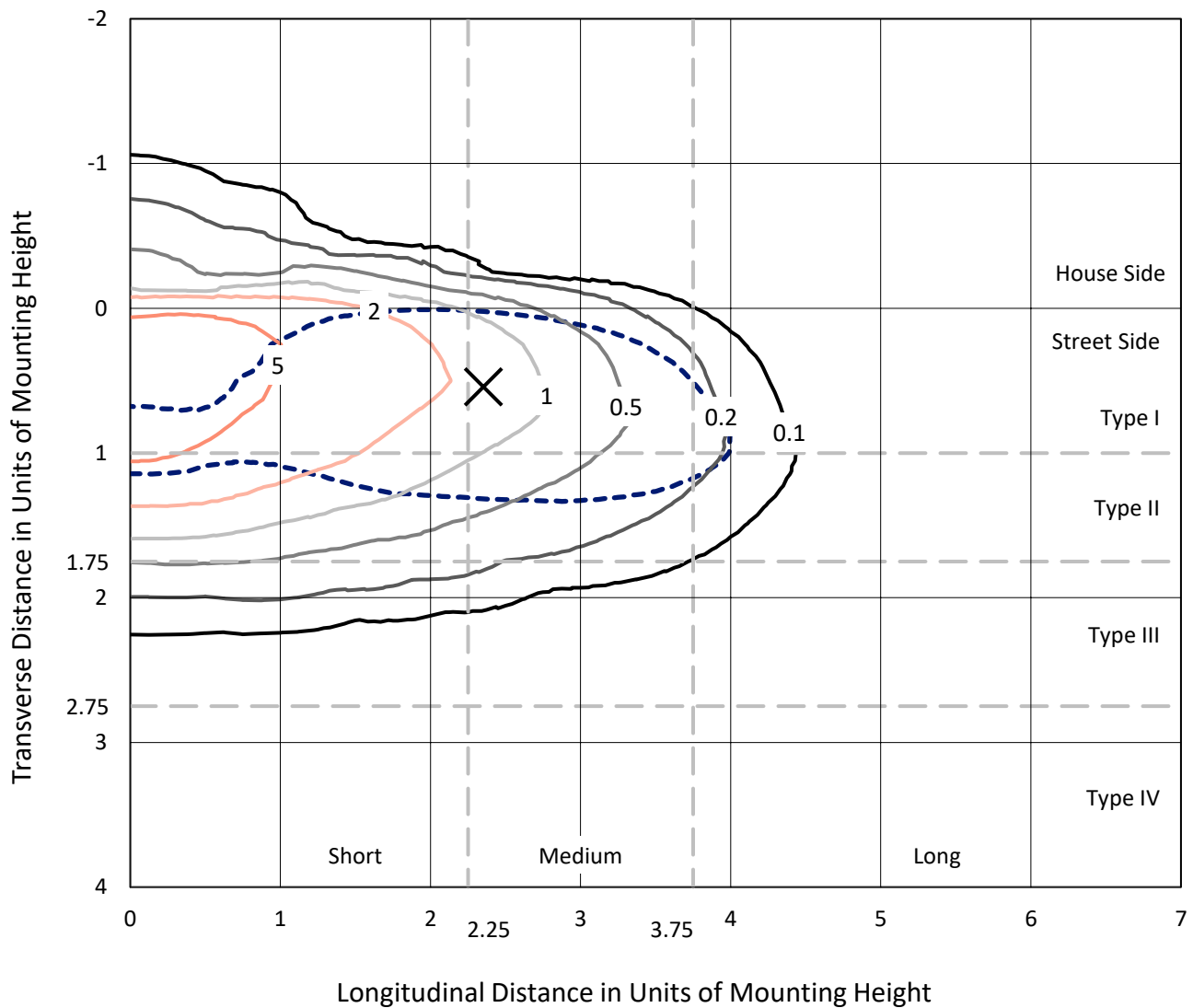


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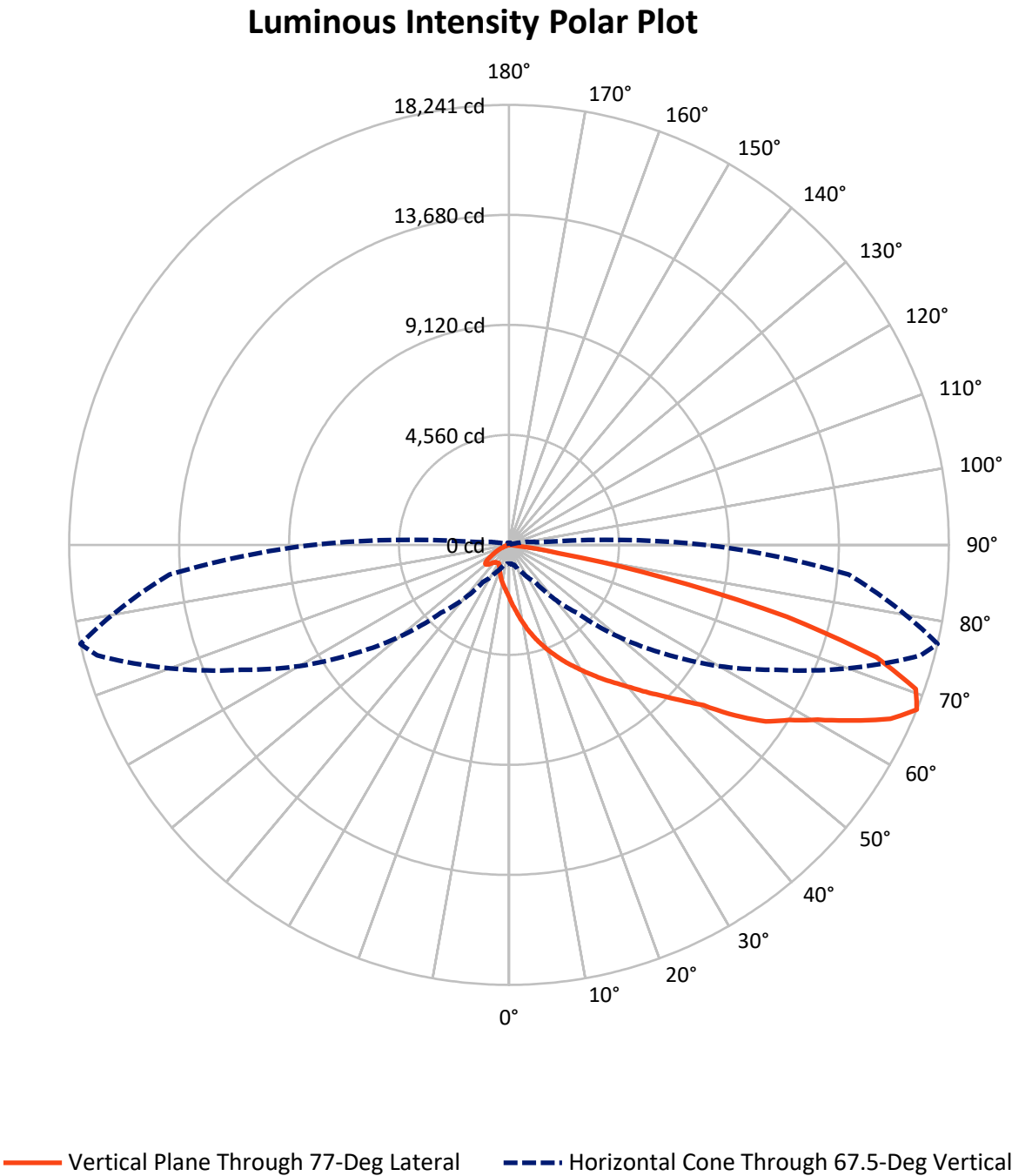
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Medium - N/A

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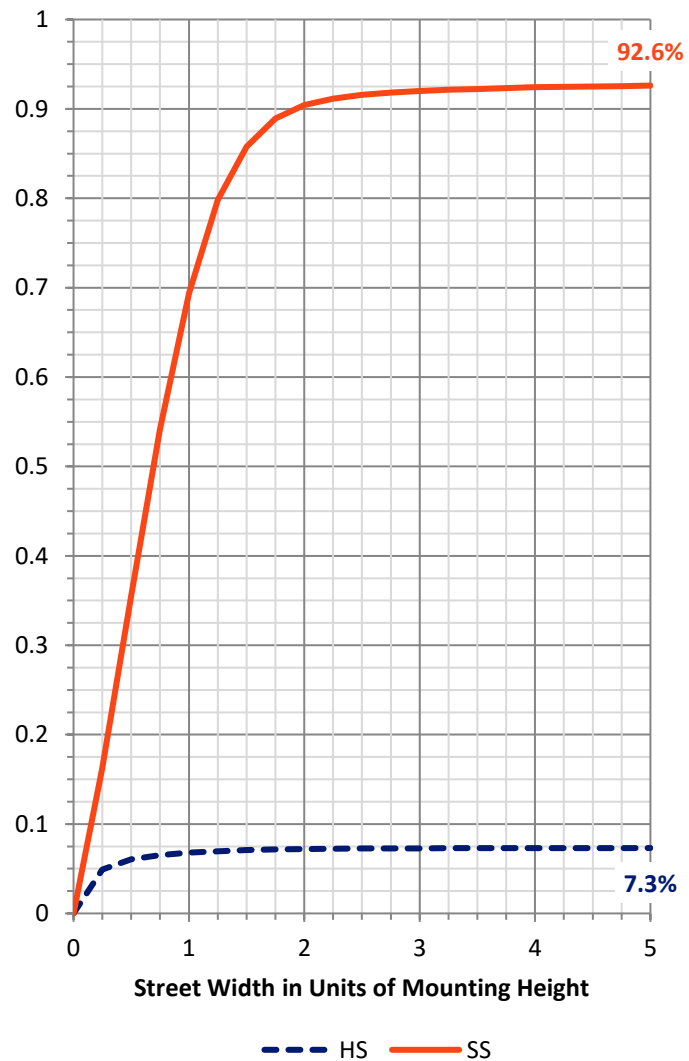
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1399.8	0.0	1399.8
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	17626.2	0.0	17626.2
	% Fixture	92.6	0.0	92.6
Total	Lumens	19026.0	0.0	19026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	1.2
10°-20°	784.2	4.1
20°-30°	1513.3	8.0
30°-40°	2627.1	13.8
40°-50°	3814.4	20.0
50°-60°	4380.4	23.0
60°-70°	3803.0	20.0
70°-80°	1791.2	9.4
80°-90°	88.6	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°	19026.0	100.0
0°-180°	19026.0	100.0

Coefficient of Utilization



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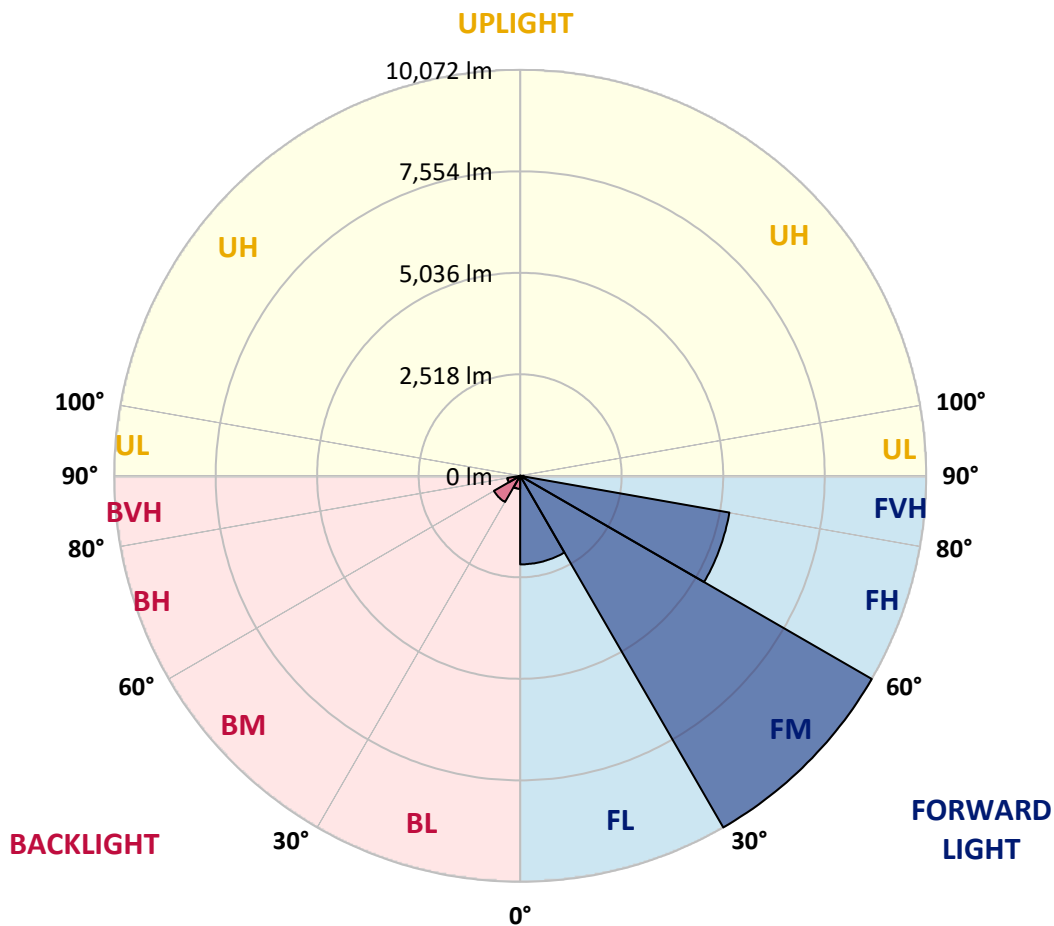
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2197.3	11.5			
FM	(30°-60°)	10071.8	52.9			
FH	(60°-80°)	5270.1	27.7			G3/7500
FVH	(80°-90°)	87.0	0.5			G1/100
BL	(0°-30°)	324.1	1.7	B1/500		
BM	(30°-60°)	750.0	3.9	B1/1000		
BH	(60°-80°)	324.1	1.7	B1/500		G1/500
BVH	(80°-90°)	1.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0
2.5°	3037.5	3056.4	3029.3	2977.3	2899.3	2848.5	2724.5	2607.5	2477.5	2436.2	2306.2
5°	3702.7	3719.2	3688.5	3631.8	3527.8	3428.6	3265.6	3021.0	2767.0	2685.5	2455.1
7.5°	4195.4	4204.8	4193.0	4141.0	4041.8	3929.5	3747.6	3458.1	3081.3	2991.5	2638.2
10°	4549.8	4580.5	4577.0	4556.9	4490.7	4399.8	4206.0	3876.4	3433.3	3317.5	2845.0
12.5°	4784.9	4819.2	4839.3	4884.2	4880.6	4822.7	4652.6	4304.1	3784.2	3648.4	3077.7
15°	4853.5	4890.1	4966.9	5070.8	5163.0	5192.5	5073.2	4723.5	4170.6	3996.9	3316.4
17.5°	4814.5	4871.2	4963.3	5127.6	5329.6	5463.1	5450.1	5128.7	4521.5	4323.0	3550.3
20°	4900.7	4955.1	5027.1	5165.4	5400.5	5642.7	5739.5	5516.3	4870.0	4662.1	3796.0
22.5°	5378.0	5368.6	5375.7	5398.1	5538.7	5778.5	5978.2	5868.3	5215.0	5002.3	4056.0
25°	6134.2	6091.6	6019.6	5897.9	5862.4	5978.2	6186.1	6180.2	5578.9	5350.8	4321.8
27.5°	7001.4	6994.3	6825.3	6532.3	6366.9	6322.0	6421.3	6483.9	5939.2	5695.8	4588.8
30°	7831.9	7850.8	7622.8	7296.7	6993.1	6817.0	6727.3	6772.1	6305.5	6068.0	4864.1
32.5°	8555.0	8575.1	8327.0	7945.3	7569.6	7357.0	7167.9	7056.9	6704.8	6446.1	5166.5
35°	9165.8	9185.9	8901.1	8479.4	8078.8	7886.3	7672.4	7368.8	7106.5	6865.5	5503.3
37.5°	9711.6	9705.7	9324.1	8898.8	8505.4	8352.9	8240.7	7752.8	7520.0	7287.3	5876.6
40°	10034.2	10059.0	9732.9	9263.9	8882.2	8771.2	8764.1	8228.9	7997.3	7771.7	6285.4
42.5°	10128.7	10172.4	9936.1	9550.9	9204.8	9084.3	9269.8	8744.0	8552.6	8332.9	6747.3
45°	9958.6	10001.1	9893.6	9626.6	9424.5	9346.6	9704.5	9278.0	9145.7	8928.3	7268.4
47.5°	9462.3	9515.5	9541.5	9484.8	9482.4	9561.6	10094.4	9840.4	9849.9	9627.7	7872.1
50°	8501.8	8591.6	8830.3	9031.1	9341.8	9731.7	10473.7	10450.0	10643.8	10452.4	8658.9
52.5°	6755.6	6883.2	7705.5	8254.9	8953.1	9699.8	10890.7	11428.3	12036.7	11756.7	9768.3
55°	5428.8	5428.8	6097.5	7125.4	8194.6	9489.5	11072.7	12063.9	12985.5	12919.3	10549.3
57.5°	4425.8	4478.9	4905.4	5814.0	7097.1	8988.6	11184.9	12463.3	13749.9	13701.4	11312.5
60°	2731.5	2846.1	3651.9	4548.6	5848.2	8096.6	11114.0	12867.3	14677.3	14716.3	12231.7
62.5°	1538.3	1580.8	1940.0	3272.7	4547.5	6897.4	10571.7	13093.0	15863.5	16028.9	13179.2
65°	1062.1	1083.4	1221.6	2036.8	3152.1	5491.4	9512.0	12952.4	17052.1	17386.4	13982.6
67.5°	771.5	782.1	868.4	1244.1	1870.3	3981.5	7850.8	12243.5	17681.8	18240.6	14136.2
70°	593.1	600.2	662.8	817.6	1104.7	2457.4	5701.7	10834.0	17225.7	17893.3	13349.4
72.5°	482.0	489.1	537.6	604.9	732.5	1453.2	3455.8	8798.4	15212.5	15933.2	11364.5
75°	406.4	415.9	459.6	503.3	574.2	933.4	1621.0	6127.1	11440.1	11912.7	7902.8
77.5°	225.7	207.9	373.3	417.1	484.4	590.7	758.5	3605.8	6407.1	6538.2	3506.6
80°	140.6	145.3	296.5	335.5	372.2	297.7	347.4	1388.2	2221.2	2110.1	679.3
82.5°	8.3	18.9	228.0	242.2	255.2	127.6	131.1	471.4	535.2	491.5	120.5
85°	0.0	0.0	104.0	83.9	88.6	36.6	37.8	109.9	72.1	78.0	23.6
87.5°	0.0	0.0	0.0	2.4	0.0	3.5	7.1	9.5	3.5	4.7	8.3
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°	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0
2.5°	2223.5	2140.8	1973.0	1808.8	1675.3	1551.3	1462.7	1378.8	1336.2	1333.9	1331.5
5°	2290.9	2117.2	1781.6	1485.1	1246.4	1055.0	931.0	842.4	797.5	782.1	779.8
7.5°	2385.4	2124.3	1613.9	1201.5	920.4	756.1	685.2	656.9	647.4	636.8	634.4
10°	2504.7	2140.8	1463.8	967.6	725.4	642.7	614.4	602.5	595.5	588.4	586.0
12.5°	2638.2	2156.2	1315.0	803.4	638.0	595.5	575.4	561.2	551.7	543.5	541.1
15°	2768.2	2165.6	1160.2	688.8	593.1	558.8	537.6	522.2	509.2	499.8	498.6
17.5°	2896.9	2178.6	1014.9	620.3	556.5	522.2	500.9	482.0	471.4	460.8	459.6
20°	3039.9	2176.3	877.8	571.8	519.8	485.6	463.1	445.4	434.8	423.0	421.8
22.5°	3172.2	2164.4	757.3	530.5	482.0	449.0	424.1	406.4	395.8	386.3	385.2
25°	3324.6	2155.0	656.9	492.7	446.6	413.5	386.3	369.8	358.0	349.7	348.5
27.5°	3471.1	2140.8	583.6	458.4	412.3	380.4	354.4	335.5	324.9	319.0	319.0
30°	3615.3	2137.3	556.5	425.3	381.6	349.7	323.7	306.0	297.7	295.4	294.2
32.5°	3789.0	2146.7	568.3	413.5	353.3	321.4	296.5	283.6	275.3	275.3	275.3
35°	3974.4	2144.4	586.0	424.1	334.4	293.0	274.1	265.8	257.6	257.6	257.6
37.5°	4207.2	2147.9	600.2	441.9	327.3	269.4	258.7	248.1	243.4	243.4	243.4
40°	4554.5	2264.9	593.1	457.2	324.9	252.8	231.6	228.0	224.5	224.5	224.5
42.5°	4979.9	2518.9	602.5	458.4	323.7	241.0	212.7	219.8	211.5	210.3	209.1
45°	5445.4	2796.5	662.8	433.6	322.5	235.1	203.2	211.5	198.5	198.5	198.5
47.5°	5907.3	3071.8	724.2	398.2	319.0	233.9	194.9	190.2	186.7	187.9	187.9
50°	6544.1	3296.3	747.9	349.7	310.7	231.6	179.6	180.8	178.4	180.8	180.8
52.5°	7237.6	3343.5	719.5	295.4	287.1	224.5	168.9	173.7	172.5	174.9	174.9
55°	7670.1	3292.7	594.3	245.7	250.5	196.1	158.3	167.8	167.8	167.8	167.8
57.5°	8116.7	3076.5	421.8	199.7	207.9	160.7	148.9	161.9	160.7	159.5	159.5
60°	8438.0	2726.8	277.6	164.2	165.4	132.3	138.2	152.4	151.2	145.3	145.3
62.5°	8677.8	2340.5	178.4	139.4	126.4	119.3	126.4	138.2	133.5	120.5	118.1
65°	8650.7	1805.3	137.0	119.3	104.0	104.0	109.9	120.5	106.3	85.1	82.7
67.5°	8146.2	1221.6	113.4	100.4	87.4	86.2	91.0	100.4	91.0	72.1	69.7
70°	7244.7	798.7	91.0	78.0	69.7	63.8	73.3	86.2	76.8	57.9	55.5
72.5°	5880.1	486.8	68.5	56.7	50.8	41.4	57.9	70.9	61.4	42.5	40.2
75°	3804.3	248.1	47.3	36.6	27.2	24.8	42.5	53.2	42.5	26.0	22.4
77.5°	1455.6	104.0	26.0	16.5	14.2	11.8	23.6	31.9	17.7	5.9	4.7
80°	280.0	43.7	13.0	8.3	7.1	4.7	3.5	2.4	0.0	0.0	0.0
82.5°	48.4	14.2	4.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	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)