

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: P942287

Luminaire Tested: **GALN-SB6B-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28227 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 220.4
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



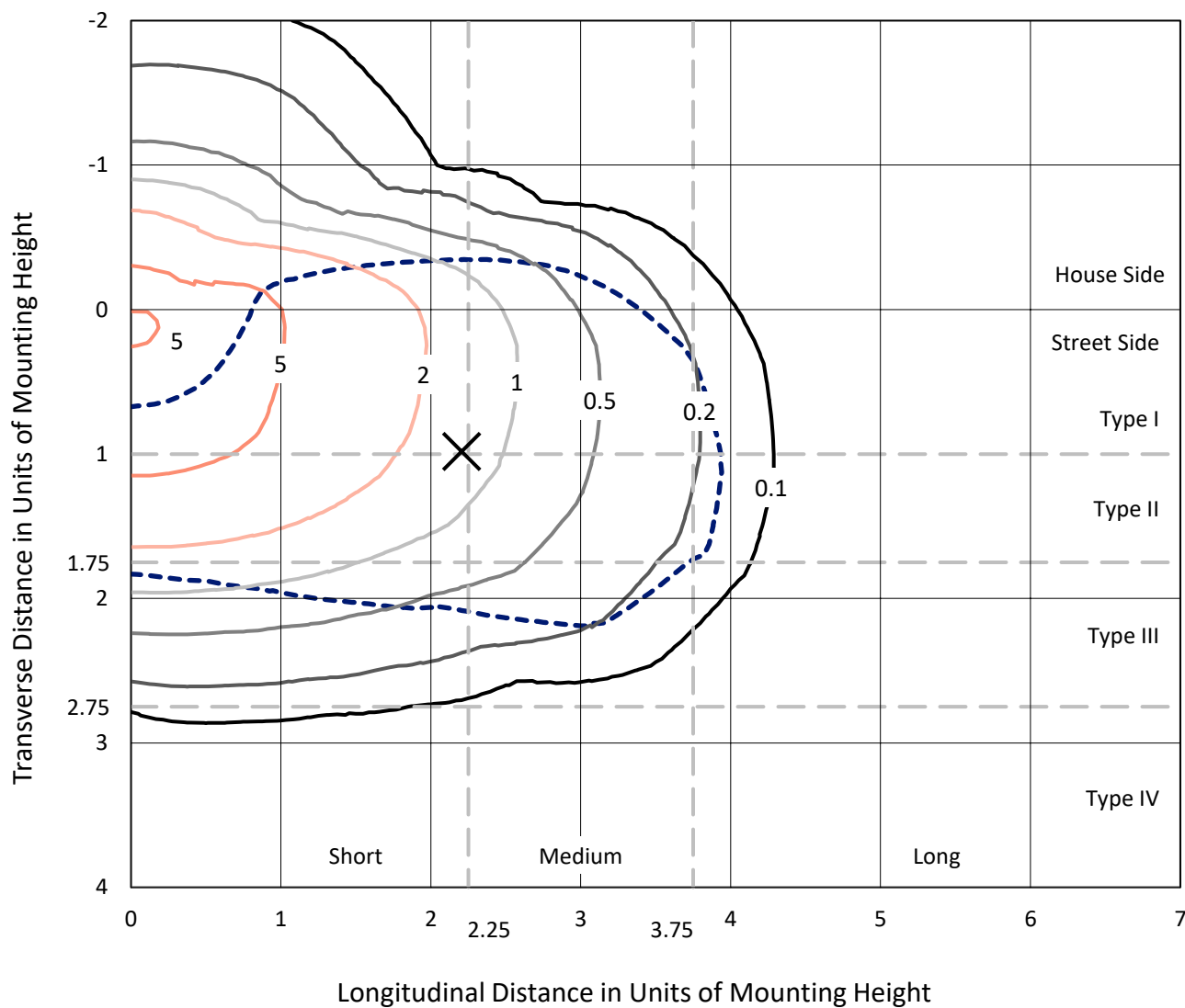
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

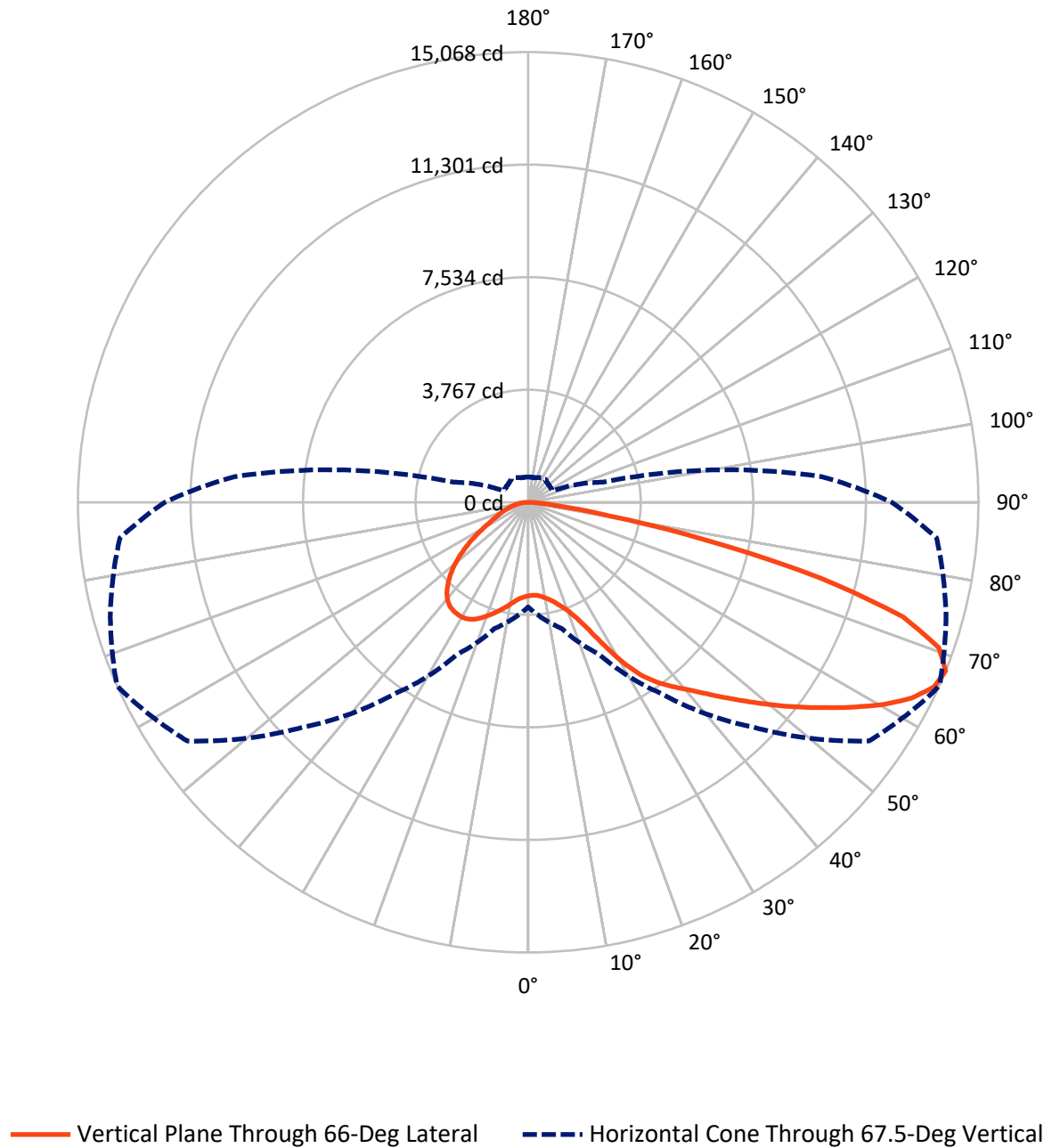


Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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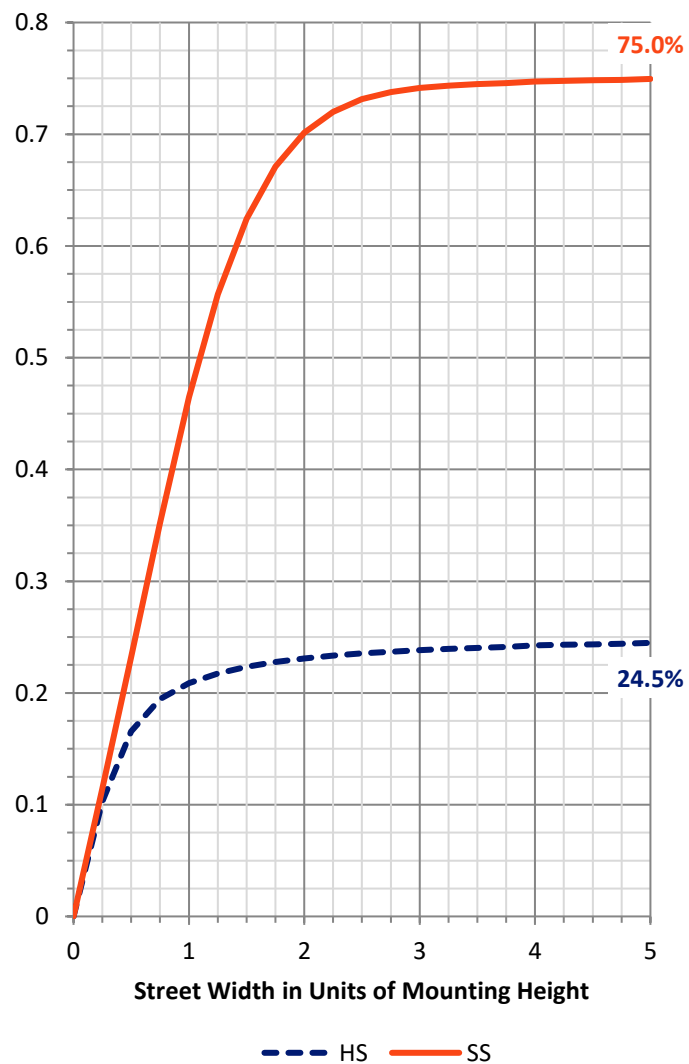
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7018.6	0.0	7018.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	21208.4	0.0	21208.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	28227.0	0.0	28227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.4	1.1
10°-20°	1025.5	3.6
20°-30°	1976.6	7.0
30°-40°	3465.8	12.3
40°-50°	5152.5	18.3
50°-60°	6531.3	23.1
60°-70°	6390.7	22.6
70°-80°	3048.4	10.8
80°-90°	325.8	1.2
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°	28227.0	100.0
0°-180°	28227.0	100.0

Coefficient of Utilization



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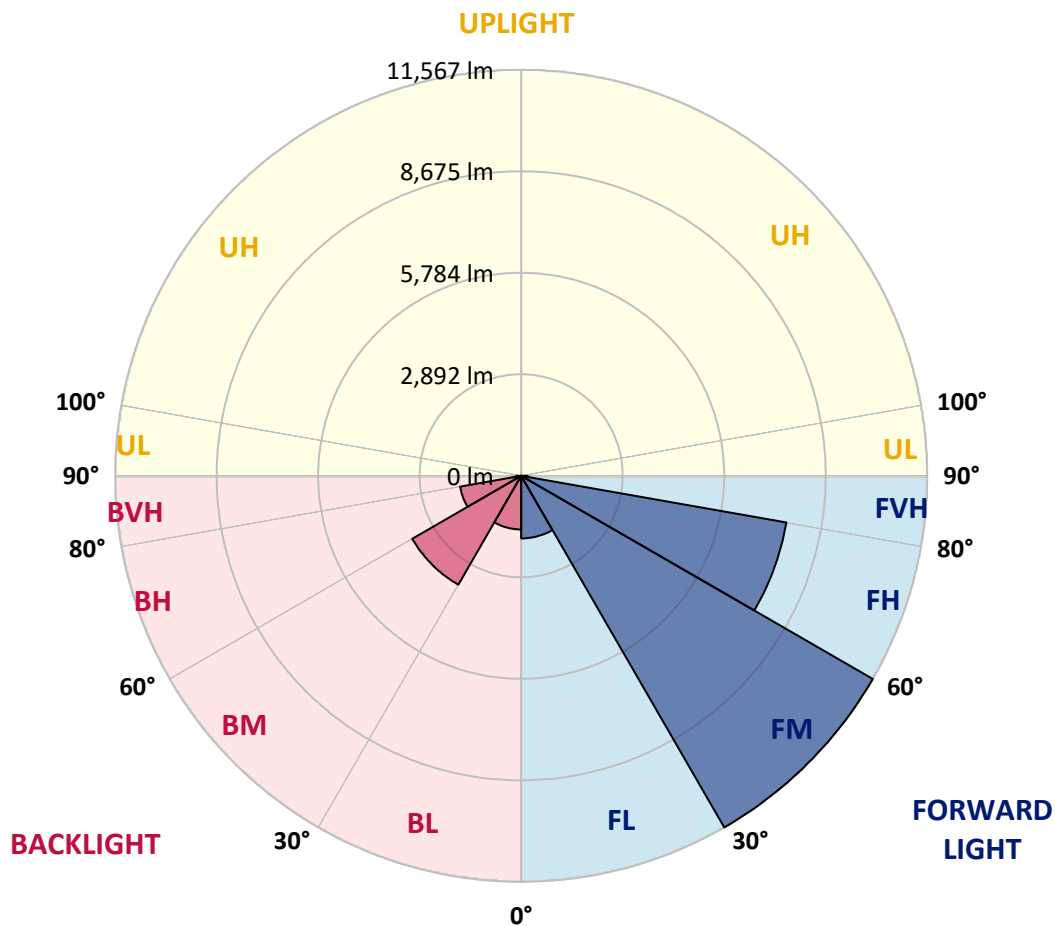
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1783.7	6.3			
FM	(30°-60°)	11567.2	41.0			
FH	(60°-80°)	7672.9	27.2			G4/12000
FVH	(80°-90°)	184.7	0.7			G2/225
BL	(0°-30°)	1528.9	5.4	B3/2500		
BM	(30°-60°)	3582.4	12.7	B3/5000		
BH	(60°-80°)	1766.2	6.3	B3/2500		G3/2500
BVH	(80°-90°)	141.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7
2.5°	3098.1	3115.9	3111.5	3104.1	3102.6	3105.5	3110.0	3114.4	3113.0	3120.4	3132.2
5°	3089.2	3107.0	3105.5	3105.5	3111.5	3123.3	3130.7	3138.2	3130.7	3139.6	3156.0
7.5°	3095.2	3108.5	3114.4	3120.4	3135.2	3157.4	3175.2	3191.6	3182.7	3193.0	3213.8
10°	3170.8	3181.2	3187.1	3187.1	3197.5	3222.7	3240.5	3270.2	3262.7	3279.1	3305.7
12.5°	3308.7	3319.1	3319.1	3313.2	3320.6	3336.9	3342.8	3375.5	3362.1	3388.8	3415.5
15°	3477.8	3498.5	3482.2	3471.9	3474.8	3491.1	3489.6	3514.9	3501.5	3523.8	3547.5
17.5°	3664.7	3691.3	3664.7	3663.2	3657.2	3675.0	3676.5	3698.8	3675.0	3691.3	3707.7
20°	3885.6	3922.7	3900.5	3907.9	3894.5	3901.9	3909.4	3942.0	3904.9	3916.8	3912.3
22.5°	4197.1	4241.6	4217.8	4246.0	4237.1	4231.2	4229.7	4287.5	4229.7	4234.1	4191.1
25°	4650.9	4704.3	4662.8	4701.3	4701.3	4720.6	4742.8	4817.0	4720.6	4692.4	4581.2
27.5°	5321.2	5374.6	5293.1	5316.8	5309.4	5356.8	5333.1	5517.0	5413.2	5367.2	5143.3
30°	6128.0	6222.9	6068.7	6062.8	6055.3	6131.0	6165.1	6286.7	6181.4	6135.4	5865.5
32.5°	7000.1	7099.4	6915.5	6862.1	6834.0	6879.9	6851.8	6949.6	6877.0	6805.8	6472.1
35°	7922.5	8020.4	7845.4	7741.6	7628.9	7532.5	7431.6	7456.8	7388.6	7280.4	6934.8
37.5°	8794.6	8974.0	8788.6	8677.4	8469.8	8281.4	7999.6	7882.5	7818.7	7719.3	7370.8
40°	9682.9	9785.3	9644.4	9549.4	9324.0	9028.9	8578.0	8330.4	8244.4	8148.0	7852.8
42.5°	10337.0	10434.8	10359.2	10293.9	10117.5	9774.9	9192.0	8882.1	8757.5	8649.2	8398.6
45°	10856.0	10928.7	10881.2	10905.0	10829.3	10497.1	9828.3	9473.8	9344.8	9212.8	9015.5
47.5°	11065.1	11142.3	11217.9	11358.8	11487.8	11243.1	10512.0	10114.5	9978.1	9843.1	9648.8
50°	11041.4	11120.0	11339.5	11639.1	12039.5	11957.9	11232.7	10796.7	10670.6	10516.4	10337.0
52.5°	10851.6	10940.6	11222.3	11720.7	12358.4	12493.3	11966.8	11501.2	11382.5	11198.6	11019.2
55°	10353.3	10406.7	10829.3	11535.3	12434.0	12867.1	12686.1	12251.6	12132.9	11876.4	11680.6
57.5°	9429.3	9506.4	10121.9	11035.5	12244.2	13120.7	13317.9	13040.6	12926.4	12557.1	12352.4
60°	8223.6	8346.7	9051.1	10196.1	11760.7	13119.2	13891.9	13816.2	13721.3	13227.4	13013.9
62.5°	6859.2	7001.5	7679.3	9009.6	10915.3	12746.9	14250.8	14465.8	14416.9	13845.9	13573.0
65°	5267.8	5365.7	6040.5	7474.6	9599.9	11947.6	14292.3	14909.2	14918.1	14316.0	13865.2
67.5°	3507.4	3789.2	4375.0	5608.9	7838.0	10641.0	13927.5	14981.9	15067.9	14477.7	13718.3
70°	1711.5	2082.2	2656.2	3645.4	5608.9	8637.4	12973.8	14385.7	14577.0	14006.1	12843.3
72.5°	710.4	830.5	1143.4	1799.0	3219.7	5828.4	11057.7	12769.2	13123.6	12410.3	10798.2
75°	479.0	519.1	654.0	922.5	1466.7	2874.2	7974.4	9521.3	10092.2	9373.0	7661.5
77.5°	369.3	394.5	476.1	645.1	872.0	1087.1	4268.3	5738.0	6033.1	5585.2	3986.5
80°	290.7	310.0	355.9	470.1	618.4	581.4	1454.9	2599.8	2770.4	2324.0	1281.4
82.5°	252.1	259.5	255.1	318.9	410.8	339.6	477.5	959.5	1058.9	768.2	418.2
85°	182.4	203.2	212.1	197.2	218.0	172.0	195.8	339.6	373.7	333.7	235.8
87.5°	74.2	109.7	135.0	127.5	80.1	48.9	60.8	99.4	114.2	124.6	77.1
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°	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7	3130.7
2.5°	3133.7	3144.1	3151.5	3160.4	3166.3	3175.2	3193.0	3203.4	3204.9	3212.3	3210.8
5°	3161.9	3176.7	3193.0	3216.8	3243.5	3265.7	3299.8	3323.5	3332.4	3339.9	3338.4
7.5°	3222.7	3243.5	3273.1	3314.6	3353.2	3382.9	3424.4	3452.6	3480.8	3491.1	3492.6
10°	3313.2	3342.8	3385.8	3442.2	3483.7	3522.3	3565.3	3589.0	3617.2	3629.1	3635.0
12.5°	3425.9	3457.0	3513.4	3592.0	3630.5	3657.2	3672.1	3666.1	3672.1	3682.4	3685.4
15°	3554.9	3589.0	3652.8	3737.3	3764.0	3740.3	3707.7	3678.0	3673.5	3676.5	3686.9
17.5°	3707.7	3732.9	3807.0	3878.2	3858.9	3761.0	3689.9	3642.4	3618.7	3611.3	3621.6
20°	3921.2	3921.2	3982.0	4026.5	3897.5	3731.4	3620.2	3543.0	3494.1	3473.3	3468.9
22.5°	4180.8	4157.0	4195.6	4164.4	3890.1	3648.3	3494.1	3360.6	3286.5	3256.8	3252.4
25°	4510.0	4481.8	4471.4	4278.6	3836.7	3516.3	3265.7	3104.1	3038.8	3022.5	3025.4
27.5°	5006.8	4935.6	4800.7	4340.9	3738.8	3308.7	2998.8	2849.0	2811.9	2813.4	2817.8
30°	5668.3	5525.9	5195.2	4351.3	3578.6	3015.1	2725.9	2619.1	2601.3	2608.7	2633.9
32.5°	6280.8	6145.8	5598.6	4303.9	3332.4	2727.4	2481.2	2410.0	2383.3	2392.2	2404.0
35°	6761.3	6724.2	5972.3	4237.1	3029.9	2457.4	2261.7	2200.9	2149.0	2137.1	2146.0
37.5°	7215.1	7200.3	6252.6	4143.7	2730.3	2266.1	2085.2	2005.1	1929.5	1887.9	1889.4
40°	7713.4	7698.6	6436.5	3999.8	2464.9	2100.0	1926.5	1821.2	1727.8	1652.1	1659.5
42.5°	8274.0	8186.5	6524.0	3793.7	2239.4	1959.1	1797.5	1655.1	1532.0	1462.3	1466.7
45°	8886.5	8689.3	6522.5	3531.2	2049.6	1830.1	1659.5	1457.9	1343.7	1278.4	1275.4
47.5°	9536.1	9169.8	6442.4	3240.5	1865.7	1687.7	1446.0	1291.7	1216.1	1176.1	1167.2
50°	10206.4	9619.2	6306.0	2906.8	1677.3	1526.1	1312.5	1207.2	1149.4	1112.3	1099.0
52.5°	10836.7	10027.0	6141.4	2528.6	1486.0	1368.9	1253.2	1171.6	1110.8	1069.3	1051.5
55°	11422.6	10378.5	5908.5	2141.5	1330.3	1263.6	1225.0	1156.8	1087.1	1038.1	1018.9
57.5°	11943.1	10606.9	5506.6	1778.2	1219.1	1190.9	1195.3	1131.6	1051.5	1010.0	983.3
60°	12376.2	10774.5	4911.9	1441.5	1128.6	1119.7	1149.4	1084.1	990.7	943.2	922.5
62.5°	12635.7	10771.5	4182.2	1180.5	1051.5	1054.5	1088.6	1024.8	929.9	885.4	872.0
65°	12613.5	10507.5	3381.4	1010.0	977.3	980.3	1024.8	959.5	879.5	852.8	851.3
67.5°	12167.1	9863.9	2593.9	898.7	895.8	909.1	961.0	915.1	848.3	845.3	849.8
70°	10958.4	8527.6	1868.7	809.8	811.2	830.5	898.7	886.9	832.0	837.9	836.4
72.5°	8787.2	6501.8	1254.7	716.3	717.8	748.9	839.4	864.6	815.7	894.3	906.2
75°	5852.2	4054.7	806.8	617.0	618.4	658.5	787.5	821.6	771.2	891.3	898.7
77.5°	2811.9	1822.7	584.3	519.1	519.1	556.1	680.7	735.6	657.0	692.6	634.8
80°	971.4	685.2	459.7	418.2	409.3	434.5	573.9	637.7	566.5	522.0	489.4
82.5°	382.6	355.9	369.3	324.8	295.1	311.4	446.4	526.5	416.7	376.7	375.2
85°	219.5	231.4	261.0	215.0	170.6	191.3	327.8	378.2	314.4	277.3	283.3
87.5°	59.3	81.6	120.1	111.2	77.1	81.6	155.7	209.1	180.9	139.4	143.9
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)