

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: P942964

Luminaire Tested: **GALN-SB7B-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942964
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-SB7B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA 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: 24157 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 256.7
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



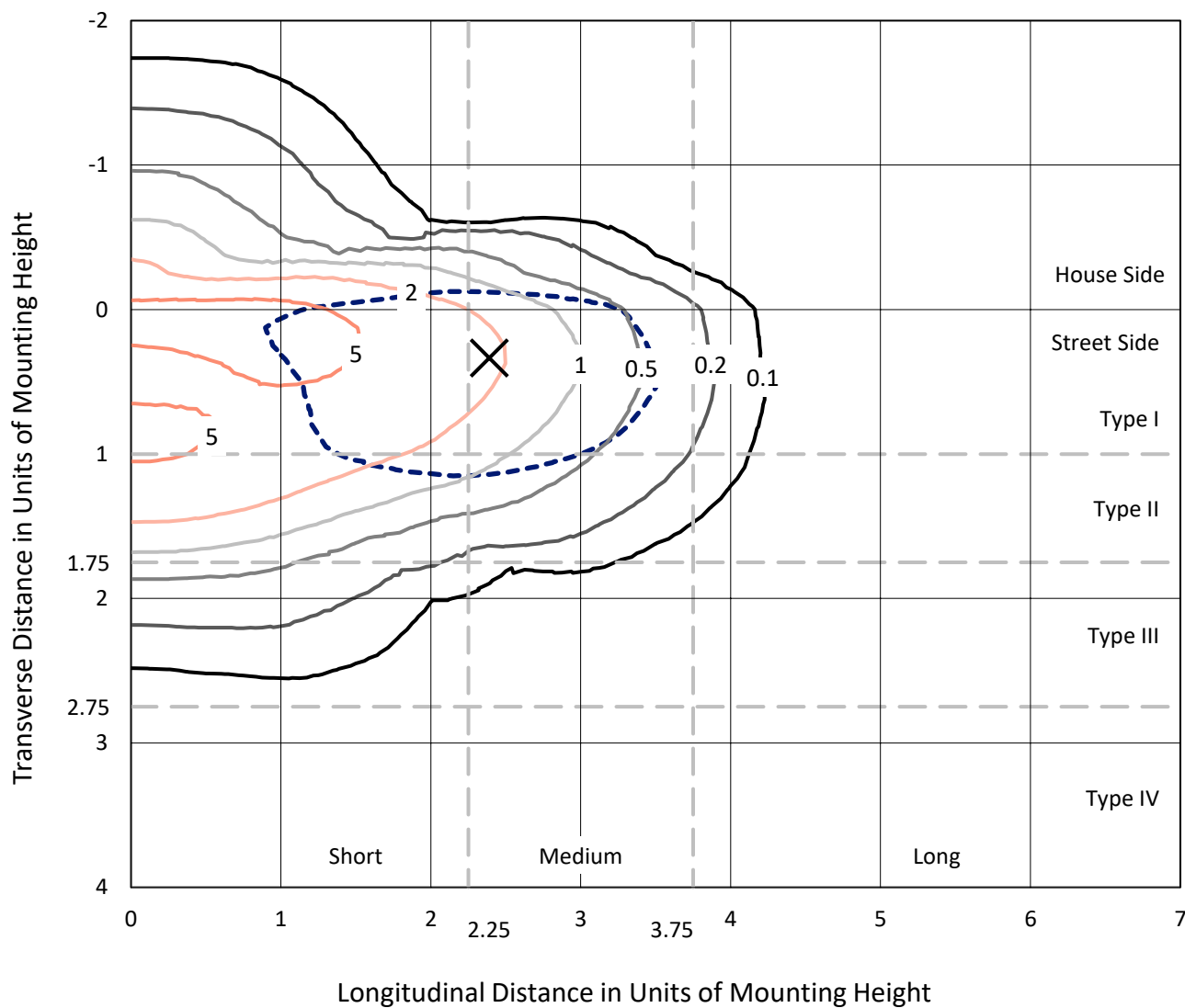
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Iso-Footcandle Lines of Horizontal Illumination

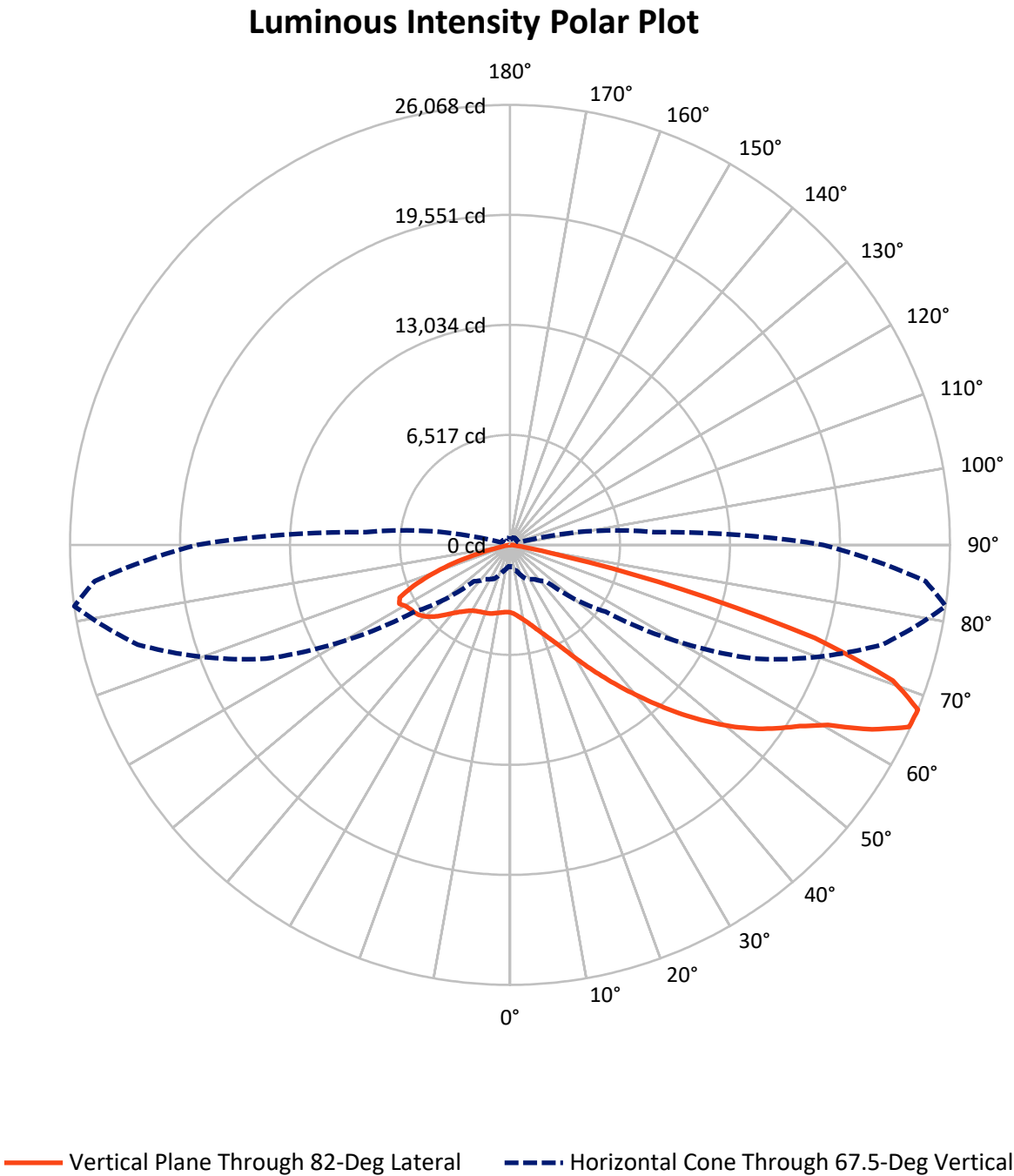
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Medium - N/A

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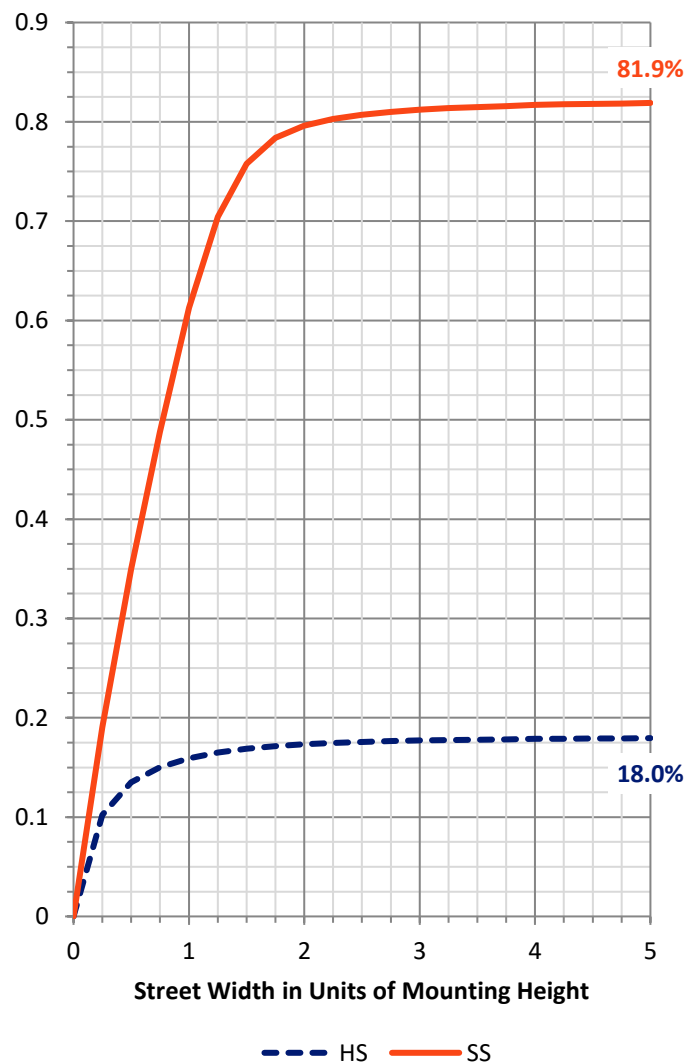
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4375.8	0.0	4375.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	19781.2	0.0	19781.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	24157.0	0.0	24157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.5	1.5
10°-20°	926.5	3.8
20°-30°	1484.0	6.1
30°-40°	2624.2	10.9
40°-50°	4597.8	19.0
50°-60°	6132.2	25.4
60°-70°	5708.7	23.6
70°-80°	2191.0	9.1
80°-90°	136.1	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°	24157.0	100.0
0°-180°	24157.0	100.0

Coefficient of Utilization



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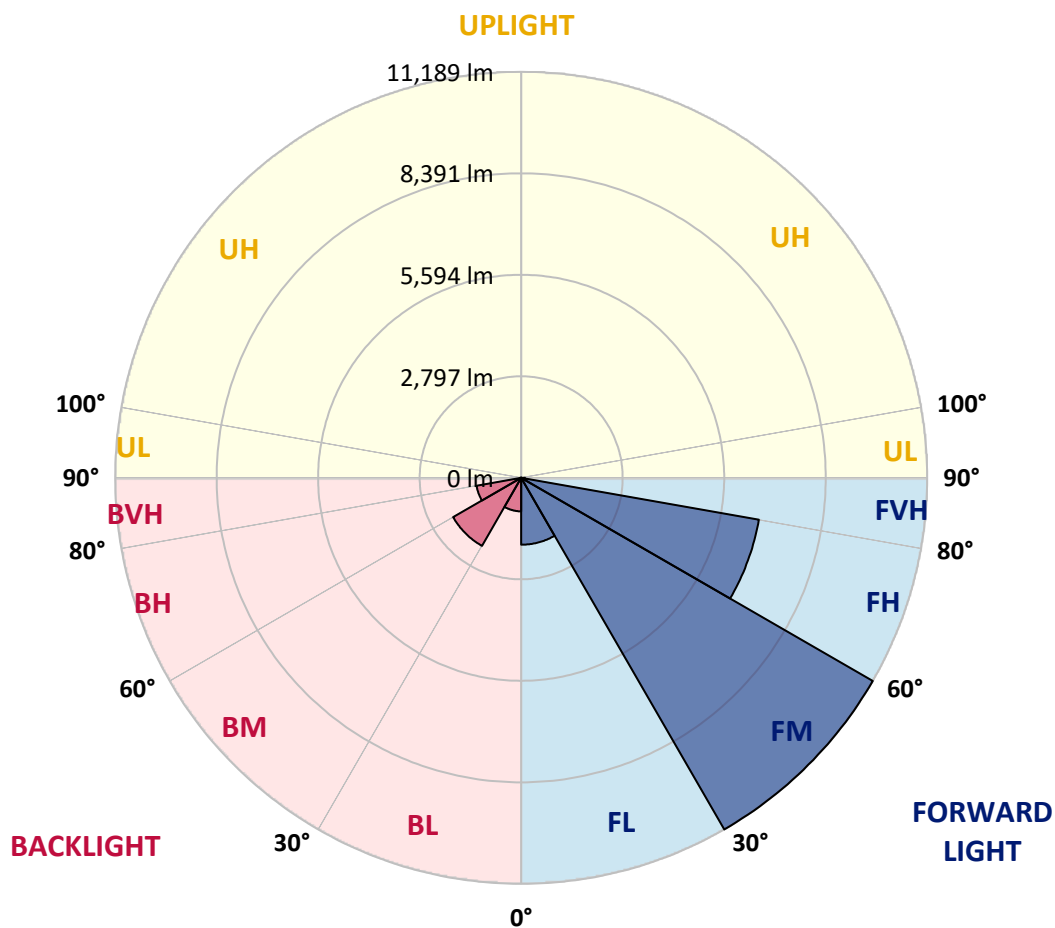
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1842.9	7.6			
FM	(30°-60°)	11188.5	46.3			
FH	(60°-80°)	6650.8	27.5			G3/7500
FVH	(80°-90°)	98.9	0.4			G1/100
BL	(0°-30°)	924.2	3.8	B2/1000		
BM	(30°-60°)	2165.6	9.0	B2/2500		
BH	(60°-80°)	1248.9	5.2	B3/2500		G3/2500
BVH	(80°-90°)	37.1	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0
2.5°	4229.8	4254.2	4240.3	4233.3	4221.1	4203.7	4189.8	4146.4	4101.1	4071.6	4061.1
5°	4315.1	4339.4	4337.7	4344.6	4353.3	4358.5	4355.1	4306.4	4242.0	4191.6	4162.0
7.5°	4242.0	4269.8	4292.5	4327.2	4388.1	4452.5	4483.8	4473.3	4407.2	4337.7	4301.1
10°	4035.0	4064.6	4118.5	4200.3	4329.0	4468.1	4584.6	4638.6	4596.8	4520.3	4469.9
12.5°	3655.9	3685.5	3791.5	3969.0	4184.6	4426.4	4649.0	4793.4	4803.8	4727.3	4668.1
15°	3229.8	3259.3	3372.4	3595.0	3923.7	4311.6	4683.8	4956.8	5049.0	4982.9	4911.6
17.5°	2965.4	2991.5	3076.7	3255.9	3598.5	4082.0	4671.6	5130.8	5341.2	5289.0	5203.8
20°	2885.4	2908.0	2948.0	3073.2	3358.5	3843.7	4591.6	5294.3	5656.0	5626.5	5530.8
22.5°	2970.6	2991.5	3003.7	3059.3	3238.5	3687.2	4490.7	5461.2	6021.3	6024.7	5908.2
25°	3167.2	3188.0	3174.1	3208.9	3287.2	3638.5	4452.5	5657.8	6480.4	6518.7	6386.5
27.5°	3490.7	3492.4	3459.4	3457.6	3469.8	3711.5	4492.5	5868.2	7059.6	7130.9	6967.4
30°	4139.4	4113.3	3986.3	3848.9	3786.3	3930.7	4603.8	6116.9	7743.1	7870.1	7664.8
32.5°	5139.5	5101.2	4868.1	4539.4	4209.0	4283.8	4803.8	6400.4	8487.5	8717.1	8466.6
35°	6224.7	6214.3	5970.8	5482.1	4904.7	4786.4	5129.0	6772.6	9299.7	9665.0	9367.6
37.5°	7233.5	7228.3	7089.2	6513.5	5810.8	5487.3	5650.8	7259.6	10169.4	10698.1	10346.8
40°	8155.3	8171.0	8031.8	7517.0	6809.1	6386.5	6360.4	7861.4	11136.4	11823.4	11406.0
42.5°	8951.9	8969.3	8828.4	8447.5	7795.3	7381.3	7231.8	8598.8	12080.8	13032.1	12538.2
45°	9492.8	9600.6	9579.7	9275.4	8807.5	8377.9	8278.8	9524.1	13157.4	14314.0	13734.8
47.5°	9645.8	9745.0	9901.5	9943.3	9658.0	9235.4	9353.6	10638.9	14246.1	15597.5	14938.4
50°	9268.4	9360.6	9685.8	10118.9	10317.2	10186.7	10398.9	11833.8	15361.0	16877.6	16119.3
52.5°	8524.0	8617.9	9028.4	9713.7	10522.4	10932.9	11447.7	13011.3	16441.1	18089.9	17237.6
55°	7447.4	7546.6	8073.6	8849.3	10131.1	11240.7	12322.5	14187.0	17430.7	19180.4	18246.4
57.5°	5983.0	6056.0	6603.9	7689.2	9146.7	10934.6	12967.8	15470.6	18362.9	20251.7	19246.5
60°	3899.4	3963.7	4600.3	5810.8	7515.3	9911.9	13096.5	16902.0	19601.3	21644.9	20594.4
62.5°	2593.2	2636.7	3014.1	3902.9	5292.5	7948.3	12343.4	18044.6	21417.0	24069.4	22905.8
65°	1779.2	1822.7	2200.1	2819.3	3419.4	5257.7	10178.0	17893.3	23062.4	25994.7	24619.0
67.5°	1269.6	1306.2	1626.2	2210.6	2474.9	3054.1	6899.6	15959.3	22825.8	26067.8	24711.2
70°	909.6	930.5	1194.9	1721.9	1967.1	1834.9	3836.8	12206.0	19985.6	24071.1	22829.3
72.5°	636.6	643.5	829.6	1311.4	1584.5	1339.2	1826.2	8137.9	15115.8	18893.4	17698.5
75°	431.3	440.0	558.3	961.8	1271.4	1022.7	967.0	4363.8	8873.6	10458.1	9374.5
77.5°	264.4	267.8	360.0	657.4	951.4	779.2	622.6	1848.8	3433.3	3370.7	2873.2
80°	149.6	149.6	229.6	408.7	648.7	502.6	436.5	786.1	1087.0	954.8	841.8
82.5°	83.5	85.2	167.0	253.9	429.6	297.4	240.0	363.5	469.6	415.7	361.8
85°	34.8	38.3	102.6	120.0	205.2	147.8	97.4	153.1	173.9	154.8	113.1
87.5°	3.5	5.2	31.3	22.6	24.3	29.6	13.9	29.6	24.3	24.3	17.4
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°	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0	4002.0
2.5°	4028.1	4002.0	3935.9	3859.4	3758.5	3709.8	3643.7	3598.5	3560.2	3563.7	3528.9
5°	4106.4	4040.3	3892.4	3708.1	3478.5	3315.0	3141.1	3021.1	2923.7	2902.8	2855.8
7.5°	4214.2	4109.8	3850.7	3518.5	3130.6	2836.7	2574.1	2405.4	2285.4	2247.1	2208.8
10°	4353.3	4202.0	3796.8	3280.2	2721.9	2348.0	2066.2	1934.0	1852.3	1824.5	1803.6
12.5°	4515.1	4308.1	3725.5	2989.8	2301.0	1941.0	1761.9	1695.8	1669.7	1661.0	1655.8
15°	4718.6	4440.3	3617.6	2645.4	1944.5	1692.3	1615.8	1607.1	1610.5	1607.1	1605.3
17.5°	4960.3	4584.6	3442.0	2290.6	1704.5	1565.3	1537.5	1544.4	1553.1	1551.4	1547.9
20°	5224.7	4727.3	3217.6	1975.8	1541.0	1474.9	1459.2	1466.2	1473.1	1469.7	1467.9
22.5°	5525.6	4880.3	2968.9	1730.5	1431.4	1391.4	1374.0	1375.7	1375.7	1368.8	1365.3
25°	5885.6	5049.0	2708.0	1556.6	1347.9	1316.6	1295.7	1288.8	1278.3	1257.5	1254.0
27.5°	6315.2	5228.2	2457.5	1434.9	1281.8	1252.3	1227.9	1210.5	1184.4	1149.6	1146.2
30°	6798.7	5445.6	2245.4	1358.3	1229.6	1200.1	1172.2	1146.2	1107.9	1064.4	1060.9
32.5°	7367.4	5678.6	2090.6	1307.9	1182.7	1151.4	1118.3	1087.0	1045.3	1001.8	1003.5
35°	8045.7	5960.4	2000.1	1273.1	1146.2	1104.4	1067.9	1033.1	1001.8	963.5	960.1
37.5°	8781.4	6259.5	1972.3	1255.7	1121.8	1057.5	1015.7	991.4	987.9	965.3	963.5
40°	9586.7	6614.3	1993.2	1245.3	1095.7	1012.2	967.0	961.8	970.5	930.5	932.2
42.5°	10438.9	7035.2	2028.0	1233.1	1059.2	967.0	923.5	923.5	916.6	860.9	860.9
45°	11360.7	7520.5	2062.7	1203.6	1015.7	921.8	888.8	876.6	847.0	793.1	791.4
47.5°	12289.5	8014.4	2088.8	1149.6	963.5	883.5	854.0	826.1	782.7	734.0	732.2
50°	13171.3	8457.9	2061.0	1069.6	904.4	847.0	815.7	777.4	730.5	697.4	692.2
52.5°	13959.2	8842.3	1942.7	975.7	841.8	808.7	780.9	740.9	702.7	667.9	664.4
55°	14644.4	9153.6	1734.0	887.0	786.1	775.7	747.9	697.4	645.3	615.7	612.2
57.5°	15301.9	9390.2	1473.1	814.0	735.7	739.2	697.4	652.2	603.5	572.2	568.7
60°	16176.7	9706.7	1208.8	746.1	681.8	692.2	647.0	614.0	553.1	513.1	507.9
62.5°	17575.0	10198.9	960.1	662.7	619.2	622.6	603.5	563.5	490.5	443.5	440.0
65°	18684.7	10018.0	756.6	572.2	547.9	553.1	553.1	509.6	431.3	377.4	372.2
67.5°	18559.5	8577.9	603.5	483.5	480.0	483.5	495.7	459.2	382.6	339.2	332.2
70°	17096.8	6823.0	483.5	401.8	417.4	408.7	443.5	419.2	344.4	300.9	295.7
72.5°	13950.5	4915.1	368.7	332.2	320.0	333.9	400.0	377.4	287.0	238.3	233.1
75°	8151.8	2622.8	274.8	262.6	231.3	278.3	354.8	321.8	219.1	175.7	170.4
77.5°	2654.1	914.8	201.8	193.1	172.2	224.4	302.6	271.3	179.1	139.1	133.9
80°	711.4	276.5	137.4	127.0	111.3	167.0	240.0	215.7	128.7	90.4	88.7
82.5°	285.2	116.5	80.0	71.3	60.9	114.8	189.6	173.9	95.7	57.4	57.4
85°	92.2	38.3	29.6	22.6	27.8	71.3	113.1	118.3	67.8	29.6	22.6
87.5°	12.2	5.2	5.2	7.0	5.2	12.2	34.8	33.0	19.1	3.5	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)