

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: P940244

Luminaire Tested: **GALN-SB3B-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940244
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-SB3B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 10192 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 109.2
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



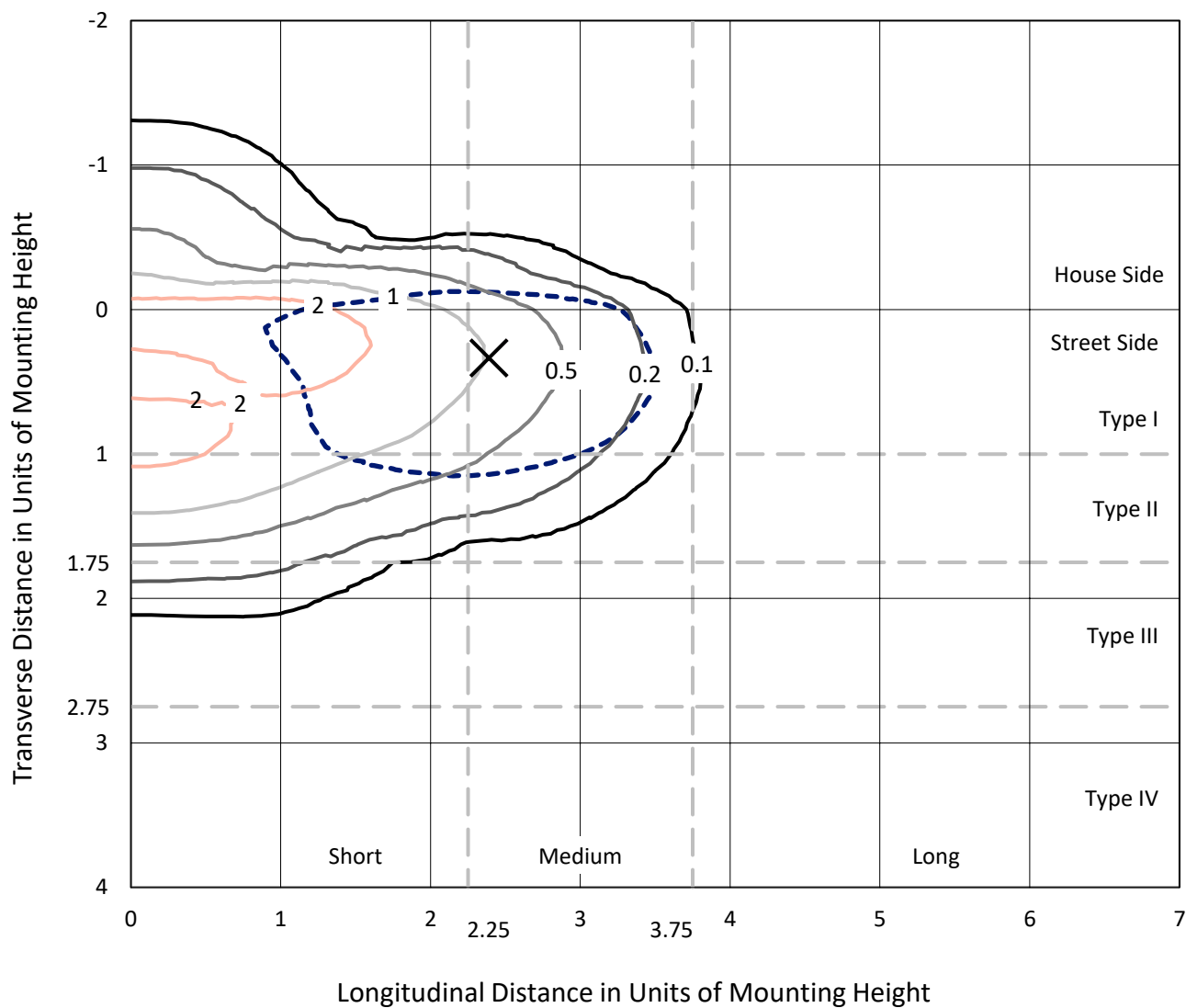
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Iso-Footcandle Lines of Horizontal Illumination

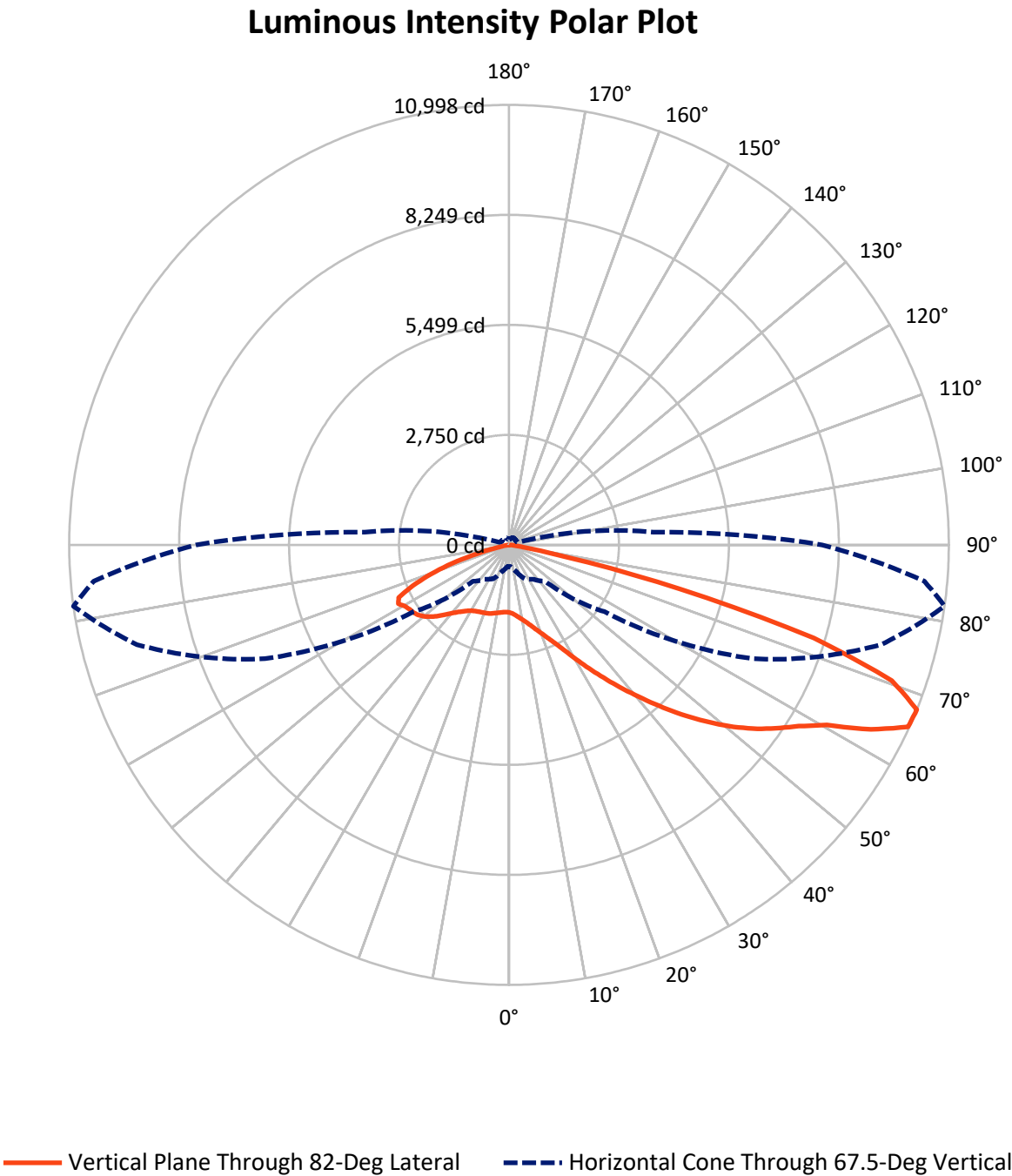
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type II - Medium - N/A

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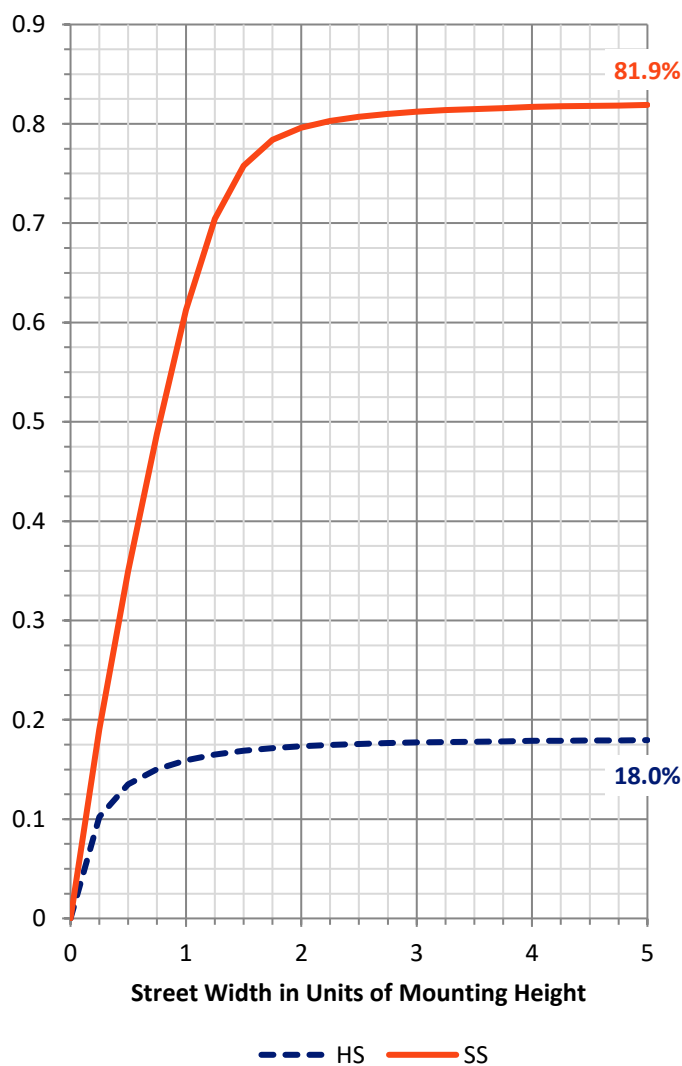
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1846.2	0.0	1846.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8345.8	0.0	8345.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	10192.0	0.0	10192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	1.5
10°-20°	390.9	3.8
20°-30°	626.1	6.1
30°-40°	1107.2	10.9
40°-50°	1939.8	19.0
50°-60°	2587.2	25.4
60°-70°	2408.5	23.6
70°-80°	924.4	9.1
80°-90°	57.4	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°	10192.0	100.0
0°-180°	10192.0	100.0

Coefficient of Utilization



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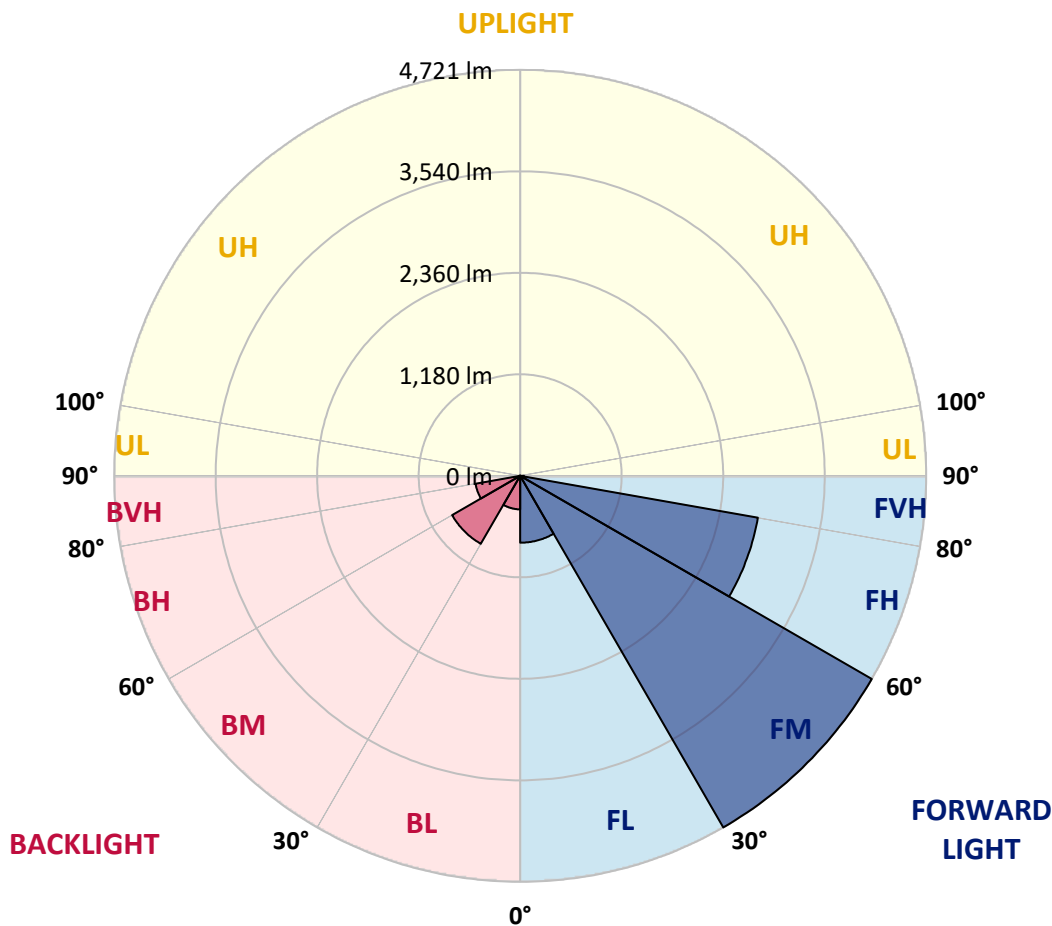
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	777.5	7.6			
FM	(30°-60°)	4720.5	46.3			
FH	(60°-80°)	2806.0	27.5			G2/5000
FVH	(80°-90°)	41.7	0.4			G1/100
BL	(0°-30°)	389.9	3.8	B1/500		
BM	(30°-60°)	913.7	9.0	B1/1000		
BH	(60°-80°)	526.9	5.2	B2/1000		G2/1000
BVH	(80°-90°)	15.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5
2.5°	1784.6	1794.9	1789.0	1786.1	1780.9	1773.6	1767.7	1749.4	1730.3	1717.8	1713.4
5°	1820.6	1830.8	1830.1	1833.0	1836.7	1838.9	1837.4	1816.9	1789.7	1768.5	1756.0
7.5°	1789.7	1801.5	1811.0	1825.7	1851.4	1878.5	1891.7	1887.3	1859.4	1830.1	1814.7
10°	1702.4	1714.9	1737.6	1772.1	1826.4	1885.1	1934.3	1957.0	1939.4	1907.1	1885.9
12.5°	1542.4	1554.9	1599.7	1674.5	1765.5	1867.5	1961.4	2022.3	2026.8	1994.5	1969.5
15°	1362.7	1375.1	1422.8	1516.8	1655.4	1819.1	1976.1	2091.3	2130.2	2102.3	2072.2
17.5°	1251.1	1262.1	1298.1	1373.7	1518.2	1722.2	1971.0	2164.7	2253.5	2231.5	2195.5
20°	1217.4	1226.9	1243.8	1296.6	1417.0	1621.7	1937.2	2233.7	2386.3	2373.8	2333.5
22.5°	1253.3	1262.1	1267.3	1290.8	1366.3	1555.7	1894.7	2304.1	2540.4	2541.9	2492.7
25°	1336.2	1345.1	1339.2	1353.9	1386.9	1535.1	1878.5	2387.0	2734.1	2750.3	2694.5
27.5°	1472.7	1473.5	1459.5	1458.8	1463.9	1565.9	1895.4	2475.8	2978.5	3008.6	2939.6
30°	1746.4	1735.4	1681.9	1623.9	1597.5	1658.4	1942.4	2580.8	3266.9	3320.4	3233.8
32.5°	2168.4	2152.2	2053.9	1915.2	1775.8	1807.3	2026.8	2700.4	3580.9	3677.8	3572.1
35°	2626.3	2621.9	2519.1	2312.9	2069.3	2019.4	2164.0	2857.4	3923.6	4077.7	3952.2
37.5°	3051.9	3049.7	2991.0	2748.1	2451.6	2315.1	2384.1	3062.9	4290.5	4513.6	4365.4
40°	3440.8	3447.4	3388.7	3171.5	2872.8	2694.5	2683.5	3316.8	4698.5	4988.4	4812.2
42.5°	3776.9	3784.2	3724.8	3564.1	3288.9	3114.2	3051.1	3627.9	5097.0	5498.3	5290.0
45°	4005.1	4050.6	4041.8	3913.3	3716.0	3534.7	3492.9	4018.3	5551.2	6039.2	5794.8
47.5°	4069.6	4111.5	4177.5	4195.1	4074.8	3896.5	3946.4	4488.6	6010.5	6580.7	6302.6
50°	3910.4	3949.3	4086.5	4269.2	4352.9	4297.9	4387.4	4992.8	6480.9	7120.8	6800.8
52.5°	3596.3	3636.0	3809.1	4098.3	4439.5	4612.7	4829.9	5489.5	6936.6	7632.2	7272.7
55°	3142.1	3184.0	3406.3	3733.6	4274.4	4742.5	5199.0	5985.6	7354.1	8092.3	7698.3
57.5°	2524.3	2555.1	2786.2	3244.1	3859.0	4613.4	5471.2	6527.1	7747.4	8544.3	8120.2
60°	1645.2	1672.3	1940.9	2451.6	3170.7	4181.9	5525.5	7131.1	8269.9	9132.1	8688.9
62.5°	1094.1	1112.4	1271.7	1646.6	2232.9	3353.5	5207.8	7613.2	9036.0	10155.0	9664.1
65°	750.7	769.0	928.3	1189.5	1442.6	2218.3	4294.2	7549.3	9730.2	10967.3	10386.9
67.5°	535.7	551.1	686.1	932.7	1044.2	1288.5	2911.0	6733.3	9630.4	10998.2	10425.8
70°	383.8	392.6	504.1	726.5	829.9	774.2	1618.8	5149.8	8432.1	10155.8	9631.8
72.5°	268.6	271.5	350.0	553.3	668.5	565.0	770.5	3433.4	6377.4	7971.2	7467.1
75°	182.0	185.7	235.5	405.8	536.4	431.5	408.0	1841.1	3743.8	4412.3	3955.2
77.5°	111.5	113.0	151.9	277.4	401.4	328.7	262.7	780.0	1448.5	1422.1	1212.2
80°	63.1	63.1	96.9	172.4	273.7	212.1	184.2	331.7	458.6	402.9	355.2
82.5°	35.2	36.0	70.4	107.1	181.2	125.5	101.3	153.4	198.1	175.4	152.6
85°	14.7	16.1	43.3	50.6	86.6	62.4	41.1	64.6	73.4	65.3	47.7
87.5°	1.5	2.2	13.2	9.5	10.3	12.5	5.9	12.5	10.3	10.3	7.3
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°	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5	1688.5
2.5°	1699.5	1688.5	1660.6	1628.3	1585.7	1565.2	1537.3	1518.2	1502.1	1503.6	1488.9
5°	1732.5	1704.6	1642.2	1564.5	1467.6	1398.6	1325.2	1274.6	1233.5	1224.7	1204.9
7.5°	1778.0	1734.0	1624.6	1484.5	1320.8	1196.8	1086.0	1014.8	964.2	948.1	931.9
10°	1836.7	1772.9	1601.9	1383.9	1148.4	990.6	871.8	816.0	781.5	769.8	760.9
12.5°	1904.9	1817.6	1571.8	1261.4	970.8	818.9	743.3	715.5	704.4	700.8	698.6
15°	1990.8	1873.4	1526.3	1116.1	820.4	714.0	681.7	678.0	679.5	678.0	677.3
17.5°	2092.8	1934.3	1452.2	966.4	719.1	660.4	648.7	651.6	655.3	654.5	653.1
20°	2204.3	1994.5	1357.5	833.6	650.1	622.3	615.7	618.6	621.5	620.1	619.3
22.5°	2331.3	2059.0	1252.6	730.1	603.9	587.0	579.7	580.4	580.4	577.5	576.0
25°	2483.2	2130.2	1142.5	656.7	568.7	555.5	546.7	543.7	539.3	530.5	529.1
27.5°	2664.4	2205.8	1036.9	605.4	540.8	528.3	518.1	510.7	499.7	485.0	483.6
30°	2868.4	2297.5	947.3	573.1	518.8	506.3	494.6	483.6	467.4	449.1	447.6
32.5°	3108.4	2395.9	882.0	551.8	499.0	485.8	471.8	458.6	441.0	422.7	423.4
35°	3394.6	2514.7	843.9	537.1	483.6	466.0	450.6	435.9	422.7	406.5	405.1
37.5°	3704.9	2640.9	832.1	529.8	473.3	446.1	428.5	418.3	416.8	407.3	406.5
40°	4044.7	2790.6	840.9	525.4	462.3	427.1	408.0	405.8	409.5	392.6	393.3
42.5°	4404.3	2968.2	855.6	520.3	446.9	408.0	389.6	389.6	386.7	363.2	363.2
45°	4793.2	3172.9	870.3	507.8	428.5	388.9	375.0	369.8	357.4	334.6	333.9
47.5°	5185.0	3381.3	881.3	485.0	406.5	372.8	360.3	348.6	330.2	309.7	308.9
50°	5557.1	3568.5	869.6	451.3	381.6	357.4	344.2	328.0	308.2	294.3	292.1
52.5°	5889.5	3730.6	819.7	411.7	355.2	341.2	329.5	312.6	296.5	281.8	280.3
55°	6178.6	3862.0	731.6	374.2	331.7	327.3	315.5	294.3	272.2	259.8	258.3
57.5°	6456.0	3961.8	621.5	343.4	310.4	311.9	294.3	275.2	254.6	241.4	240.0
60°	6825.1	4095.3	510.0	314.8	287.6	292.1	273.0	259.0	233.3	216.5	214.3
62.5°	7415.0	4303.0	405.1	279.6	261.2	262.7	254.6	237.8	206.9	187.1	185.7
65°	7883.2	4226.7	319.2	241.4	231.1	233.3	233.3	215.0	182.0	159.2	157.0
67.5°	7830.4	3619.1	254.6	204.0	202.5	204.0	209.1	193.7	161.4	143.1	140.2
70°	7213.2	2878.7	204.0	169.5	176.1	172.4	187.1	176.8	145.3	126.9	124.7
72.5°	5885.8	2073.7	155.6	140.2	135.0	140.9	168.8	159.2	121.1	100.5	98.3
75°	3439.3	1106.6	115.9	110.8	97.6	117.4	149.7	135.8	92.5	74.1	71.9
77.5°	1119.8	386.0	85.1	81.5	72.6	94.7	127.7	114.5	75.6	58.7	56.5
80°	300.1	116.7	58.0	53.6	47.0	70.4	101.3	91.0	54.3	38.2	37.4
82.5°	120.3	49.2	33.8	30.1	25.7	48.4	80.0	73.4	40.4	24.2	24.2
85°	38.9	16.1	12.5	9.5	11.7	30.1	47.7	49.9	28.6	12.5	9.5
87.5°	5.1	2.2	2.2	2.9	2.2	5.1	14.7	13.9	8.1	1.5	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)