

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: P951984

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
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
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22888 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - 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

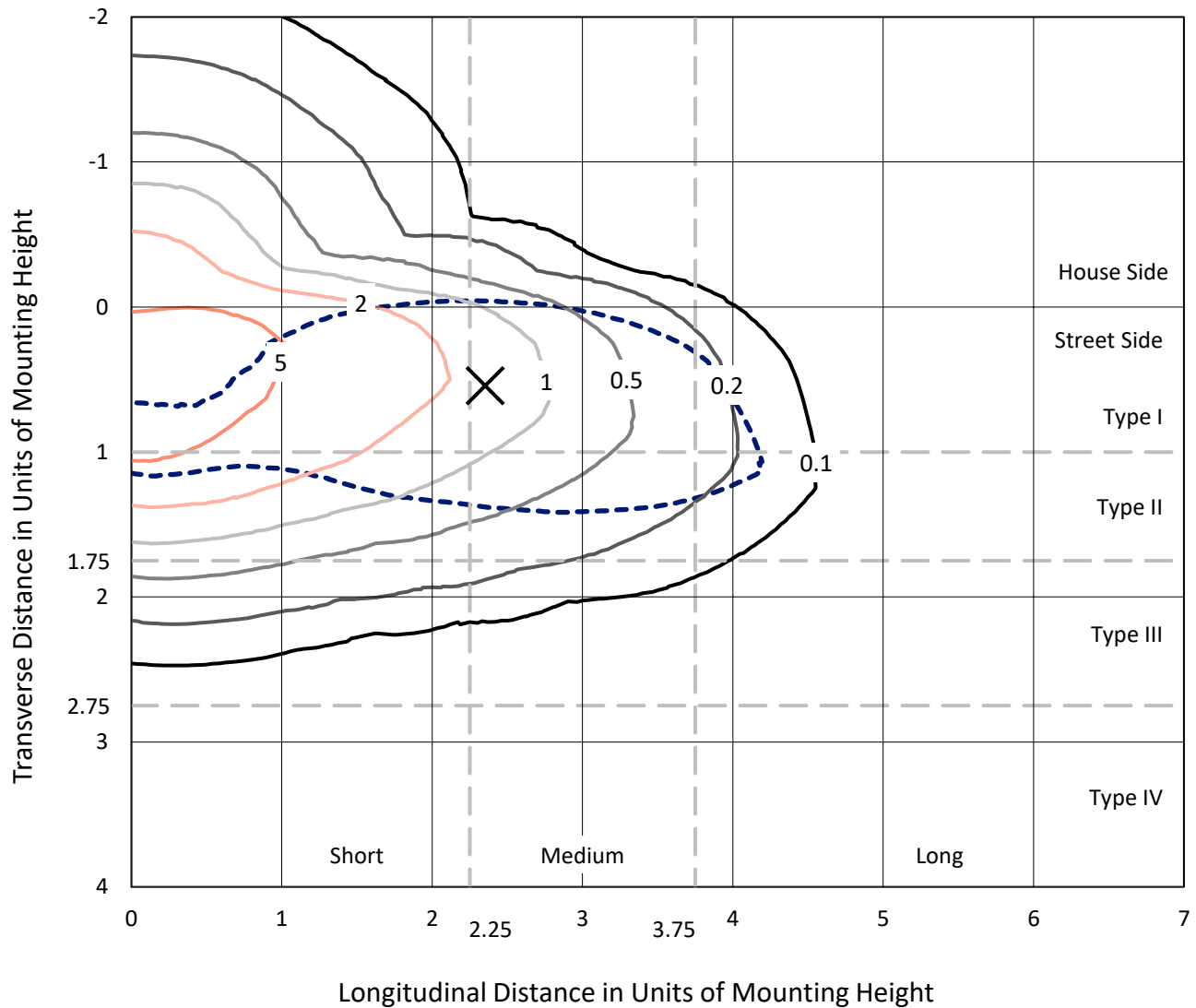


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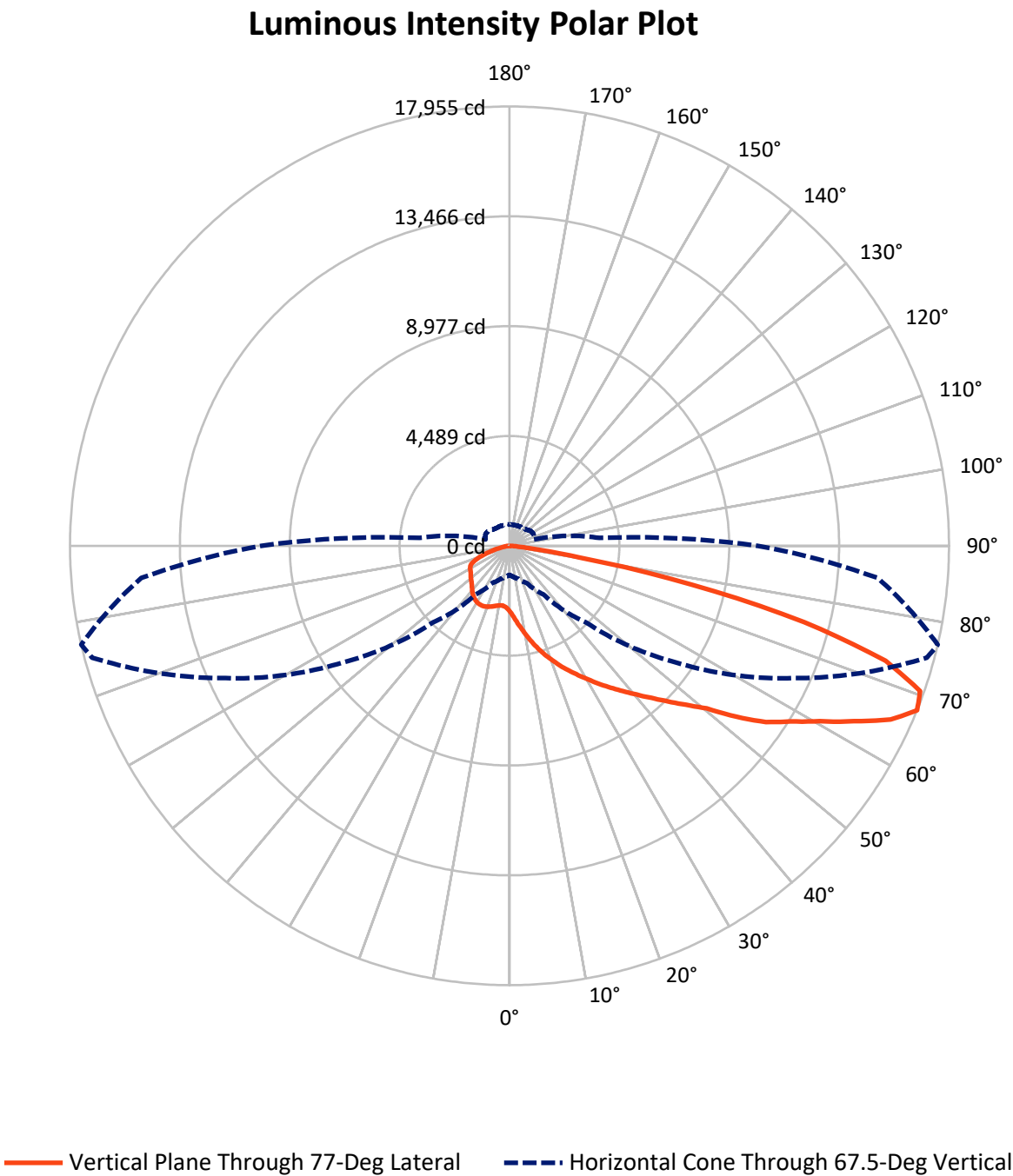
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type II - Medium - N/A

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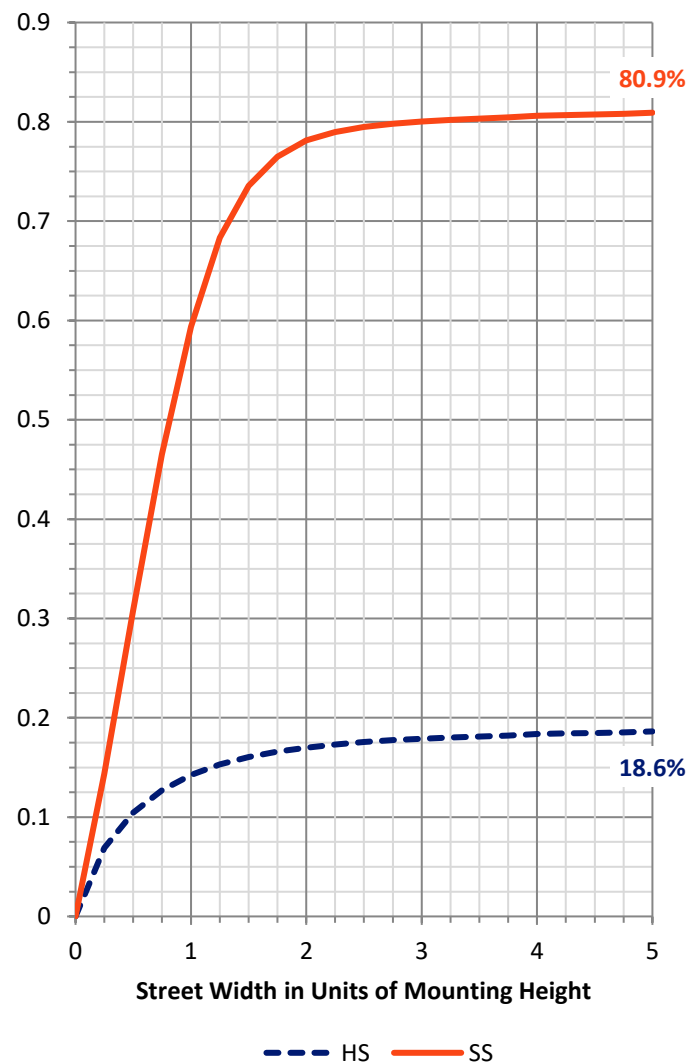
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4329.5	0.0	4329.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	18558.5	0.0	18558.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	22888.0	0.0	22888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	1.3
10°-20°	1034.1	4.5
20°-30°	1952.5	8.5
30°-40°	3145.5	13.7
40°-50°	4302.4	18.8
50°-60°	4853.2	21.2
60°-70°	4529.8	19.8
70°-80°	2483.1	10.8
80°-90°	299.5	1.3
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°	22888.0	100.0
0°-180°	22888.0	100.0

Coefficient of Utilization



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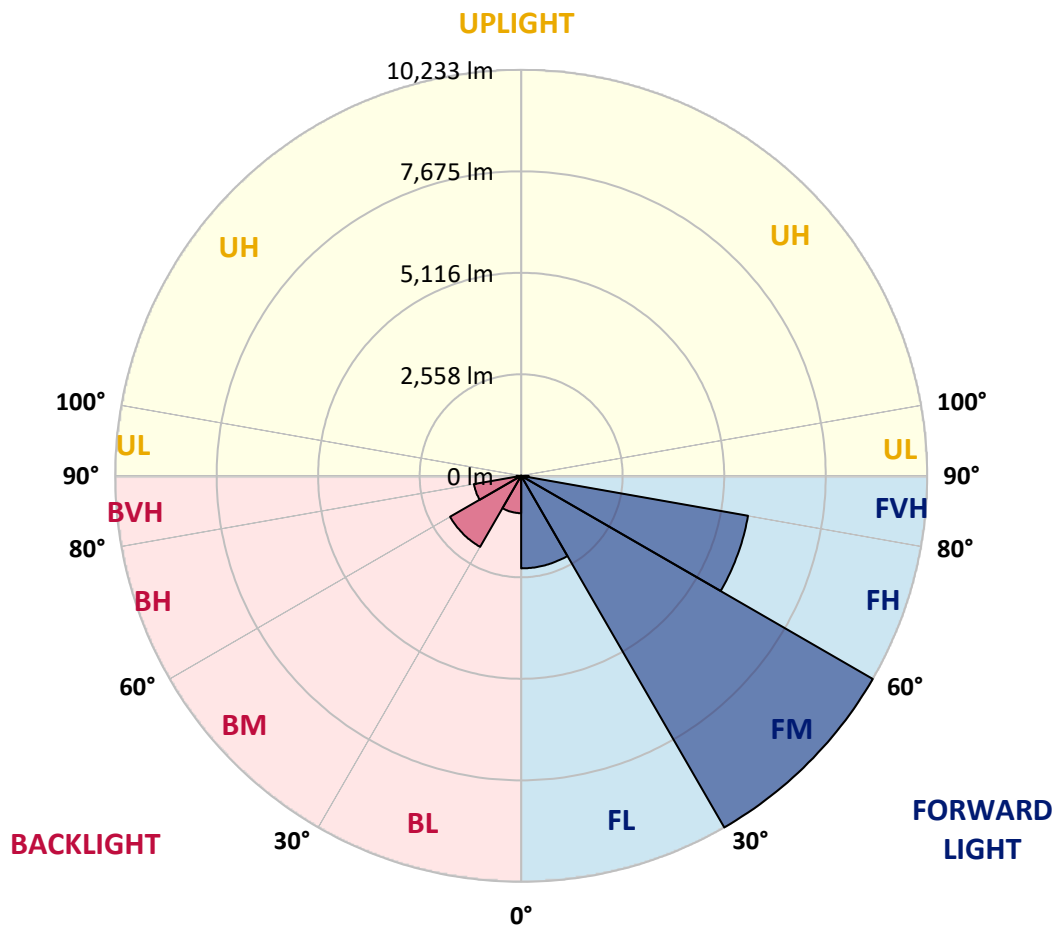
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2333.1	10.2			
FM	(30°-60°)	10233.0	44.7			
FH	(60°-80°)	5805.1	25.4			G3/7500
FVH	(80°-90°)	187.3	0.8			G2/225
BL	(0°-30°)	941.3	4.1	B2/1000		
BM	(30°-60°)	2068.1	9.0	B2/2500		
BH	(60°-80°)	1207.9	5.3	B3/2500		G3/2500
BVH	(80°-90°)	112.2	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5
2.5°	3362.5	3386.1	3356.5	3356.5	3257.3	3205.3	3106.1	3030.5	2894.6	2871.0	2781.2
5°	3974.5	4004.0	3962.6	3944.9	3828.0	3720.4	3553.9	3389.6	3147.4	3122.6	2911.1
7.5°	4448.2	4486.0	4449.4	4430.5	4326.5	4206.0	4011.1	3781.9	3440.4	3392.0	3086.0
10°	4834.6	4840.5	4828.7	4835.7	4754.2	4655.0	4455.3	4188.3	3761.8	3695.6	3297.5
12.5°	5053.1	5080.3	5103.9	5146.5	5132.3	5070.9	4891.3	4572.3	4102.1	4017.0	3527.9
15°	5155.9	5203.2	5256.3	5354.4	5433.6	5448.9	5311.9	4984.6	4448.2	4345.4	3760.6
17.5°	5192.5	5237.4	5321.3	5463.1	5633.2	5747.8	5686.4	5385.1	4790.8	4672.7	4005.2
20°	5378.0	5391.0	5441.8	5576.5	5760.8	5951.0	5997.1	5770.3	5129.9	4996.4	4258.0
22.5°	5775.0	5749.0	5763.2	5824.6	5957.0	6141.3	6246.4	6110.5	5478.5	5324.9	4513.2
25°	6430.7	6355.1	6279.5	6208.6	6276.0	6379.9	6499.2	6450.8	5843.5	5648.6	4770.8
27.5°	7258.9	7166.8	7000.2	6767.4	6685.9	6722.5	6775.7	6766.3	6181.4	5984.1	5036.6
30°	8074.1	7966.6	7768.1	7431.4	7216.4	7119.5	7079.3	7052.2	6548.9	6338.6	5304.8
32.5°	8725.1	8640.1	8445.1	8068.2	7756.3	7590.9	7457.4	7360.5	6932.8	6722.5	5588.3
35°	9294.6	9215.4	8992.1	8581.0	8241.9	8065.9	7891.0	7684.3	7332.2	7119.5	5893.2
37.5°	9814.4	9735.3	9429.3	9001.6	8660.1	8538.5	8382.5	8031.6	7732.7	7531.8	6215.7
40°	10142.9	10125.2	9839.3	9354.9	9000.4	8940.2	8888.2	8434.5	8176.9	7990.3	6570.1
42.5°	10226.8	10265.8	10038.9	9640.8	9302.9	9254.4	9376.1	8890.5	8675.5	8497.1	6971.8
45°	10024.7	10137.0	9988.1	9717.6	9517.9	9491.9	9808.5	9389.1	9227.3	9064.2	7456.2
47.5°	9513.2	9703.4	9641.9	9604.1	9575.8	9688.0	10189.0	9918.4	9852.2	9710.5	8009.2
50°	8480.6	8840.9	8948.4	9187.1	9461.2	9840.4	10535.1	10496.1	10582.4	10439.4	8682.6
52.5°	6695.4	7191.6	7815.4	8413.2	9109.1	9789.6	10915.6	11325.5	11689.4	11611.5	9753.0
55°	5526.9	5750.2	6229.9	7326.3	8426.2	9575.8	11086.9	11995.4	12788.2	12718.5	10564.7
57.5°	4629.0	4828.7	5124.0	6039.7	7393.6	9090.2	11193.2	12404.2	13540.8	13533.7	11365.7
60°	3666.1	3877.6	4180.0	4828.7	6187.3	8251.4	11169.6	12869.7	14501.3	14560.4	12342.8
62.5°	2579.1	2811.9	3147.4	3752.3	4955.1	7164.4	10687.5	13206.4	15632.0	15792.7	13518.3
65°	1695.4	1849.0	2101.8	2624.0	3692.1	5766.7	9767.2	13250.1	16841.8	17113.5	14621.8
67.5°	1188.6	1247.6	1396.5	1680.0	2433.8	4422.2	8301.0	12797.6	17648.7	17954.7	15100.3
70°	927.5	957.0	1032.6	1146.0	1528.8	2973.8	6361.0	11620.9	17476.3	17795.2	14600.6
72.5°	801.0	829.4	857.7	871.9	1025.5	1836.0	4308.8	9716.4	15851.7	16067.9	12694.9
75°	726.6	733.7	757.3	752.6	782.1	1190.9	2487.0	7079.3	12507.0	12432.6	9371.4
77.5°	610.8	620.3	659.3	653.4	694.7	814.0	1291.3	4568.7	8108.4	7602.7	5216.2
80°	517.5	522.2	564.7	557.7	603.7	589.6	659.3	2328.7	3439.2	2913.5	1504.0
82.5°	179.6	222.1	431.2	444.2	460.8	356.8	380.4	949.9	1050.3	804.6	315.5
85°	87.4	93.3	219.8	311.9	310.7	179.6	185.5	339.1	330.8	259.9	105.2
87.5°	14.2	17.7	26.0	121.7	96.9	47.3	63.8	66.2	68.5	59.1	23.6
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°	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5	2685.5
2.5°	2715.0	2655.9	2531.9	2417.3	2327.5	2241.2	2192.8	2151.5	2127.8	2123.1	2123.1
5°	2788.3	2666.6	2440.9	2250.7	2126.6	2034.5	1986.0	1955.3	1940.0	1930.5	1929.3
7.5°	2893.4	2715.0	2393.7	2177.4	2047.5	1981.3	1956.5	1951.8	1950.6	1951.8	1955.3
10°	3038.7	2794.2	2388.9	2159.7	2051.0	2014.4	2013.2	2014.4	2019.1	2020.3	2021.5
12.5°	3195.9	2875.7	2407.8	2175.1	2095.9	2075.8	2072.3	2071.1	2074.7	2077.0	2078.2
15°	3367.2	2983.2	2439.7	2208.2	2145.5	2124.3	2120.7	2113.6	2112.5	2111.3	2110.1
17.5°	3543.2	3089.5	2475.2	2243.6	2177.4	2147.9	2134.9	2118.4	2105.4	2101.8	2105.4
20°	3721.6	3194.7	2500.0	2261.3	2179.8	2138.5	2112.5	2084.1	2061.7	2048.7	2053.4
22.5°	3911.8	3304.6	2515.3	2256.6	2158.5	2101.8	2054.6	2021.5	1987.2	1964.8	1966.0
25°	4097.3	3400.3	2514.2	2231.8	2117.2	2045.1	1984.9	1942.3	1895.1	1871.4	1871.4
27.5°	4275.7	3486.5	2484.6	2188.1	2058.1	1977.8	1905.7	1854.9	1808.8	1786.4	1785.2
30°	4460.0	3558.6	2438.5	2124.3	1988.4	1899.8	1820.6	1776.9	1735.6	1714.3	1713.1
32.5°	4643.2	3624.7	2373.6	2045.1	1908.1	1823.0	1745.0	1704.9	1680.0	1680.0	1681.2
35°	4836.9	3670.8	2287.3	1953.0	1823.0	1741.5	1680.0	1656.4	1654.1	1639.9	1636.3
37.5°	5041.3	3700.4	2182.2	1858.4	1739.1	1662.3	1643.4	1615.1	1591.4	1560.7	1556.0
40°	5256.3	3729.9	2055.8	1760.4	1650.5	1608.0	1599.7	1561.9	1494.6	1418.9	1408.3
42.5°	5517.4	3750.0	1924.6	1662.3	1557.2	1543.0	1554.8	1489.8	1382.3	1325.6	1326.8
45°	5819.9	3783.1	1804.1	1565.4	1461.5	1461.5	1511.1	1426.0	1337.4	1302.0	1307.9
47.5°	6212.2	3859.9	1691.9	1459.1	1372.9	1396.5	1414.2	1349.2	1299.6	1255.9	1254.7
50°	6779.3	4044.2	1576.1	1351.6	1305.5	1352.8	1328.0	1290.2	1232.3	1196.8	1193.3
52.5°	7483.4	4152.9	1473.3	1254.7	1247.6	1294.9	1259.4	1224.0	1180.3	1133.0	1123.6
55°	7963.1	4172.9	1387.0	1183.8	1208.6	1203.9	1190.9	1159.0	1135.4	1072.8	1074.0
57.5°	8499.5	4213.1	1316.2	1141.3	1183.8	1131.8	1127.1	1099.9	1069.2	1026.7	1012.5
60°	9141.0	4275.7	1254.7	1124.8	1162.6	1084.6	1061.0	1050.3	1019.6	998.3	1004.2
62.5°	9840.4	4332.4	1192.1	1127.1	1137.8	1038.5	1003.1	999.5	980.6	973.5	973.5
65°	10317.7	4177.7	1114.1	1124.8	1098.8	991.3	946.4	945.2	929.8	927.5	926.3
67.5°	10151.2	3687.4	1009.0	1091.7	1058.6	944.0	894.4	889.6	869.6	870.7	870.7
70°	9317.0	2987.9	863.7	1010.2	1009.0	901.5	840.0	824.7	797.5	802.2	806.9
72.5°	7752.8	2214.1	668.7	874.3	929.8	862.5	777.4	752.6	718.3	723.1	721.9
75°	5599.0	1505.2	486.8	665.2	809.3	816.4	716.0	673.4	632.1	639.2	641.5
77.5°	2865.1	853.0	358.0	458.4	635.6	742.0	660.4	603.7	594.3	660.4	651.0
80°	934.5	427.7	248.1	321.4	417.1	607.3	578.9	513.9	511.6	526.9	452.5
82.5°	278.8	180.8	159.5	211.5	230.4	465.5	499.8	388.7	334.4	352.1	363.9
85°	95.7	87.4	91.0	105.2	109.9	272.9	349.7	257.6	243.4	268.2	264.6
87.5°	22.4	30.7	26.0	23.6	23.6	66.2	135.9	107.5	148.9	99.2	95.7
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)