

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: P949831

Luminaire Tested: **GALN-SB4C-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB4C-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25217 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 200.7
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



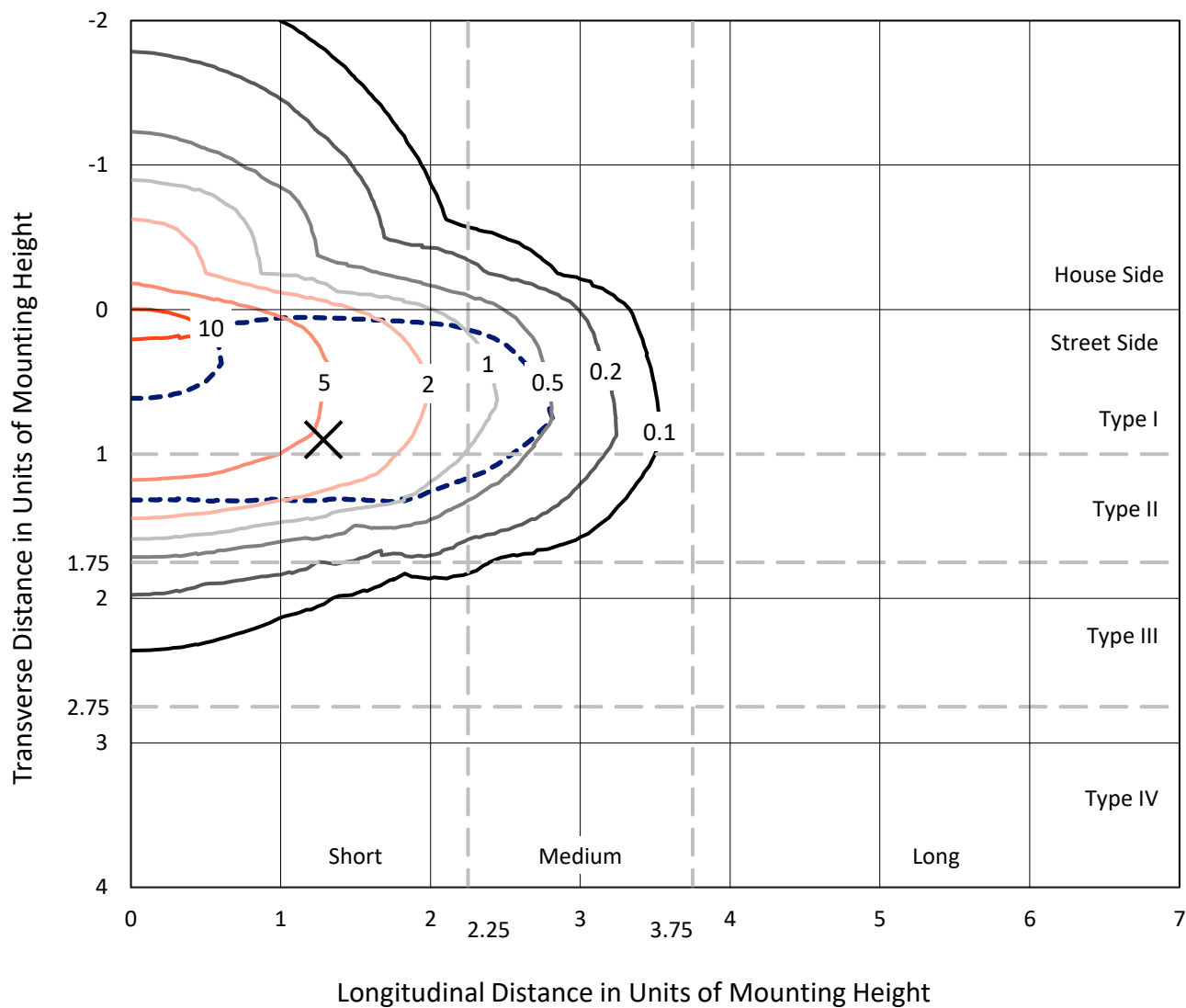
REPORT NUMBER: P949831

CATALOG NUMBER: GALN-SB4C-722-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

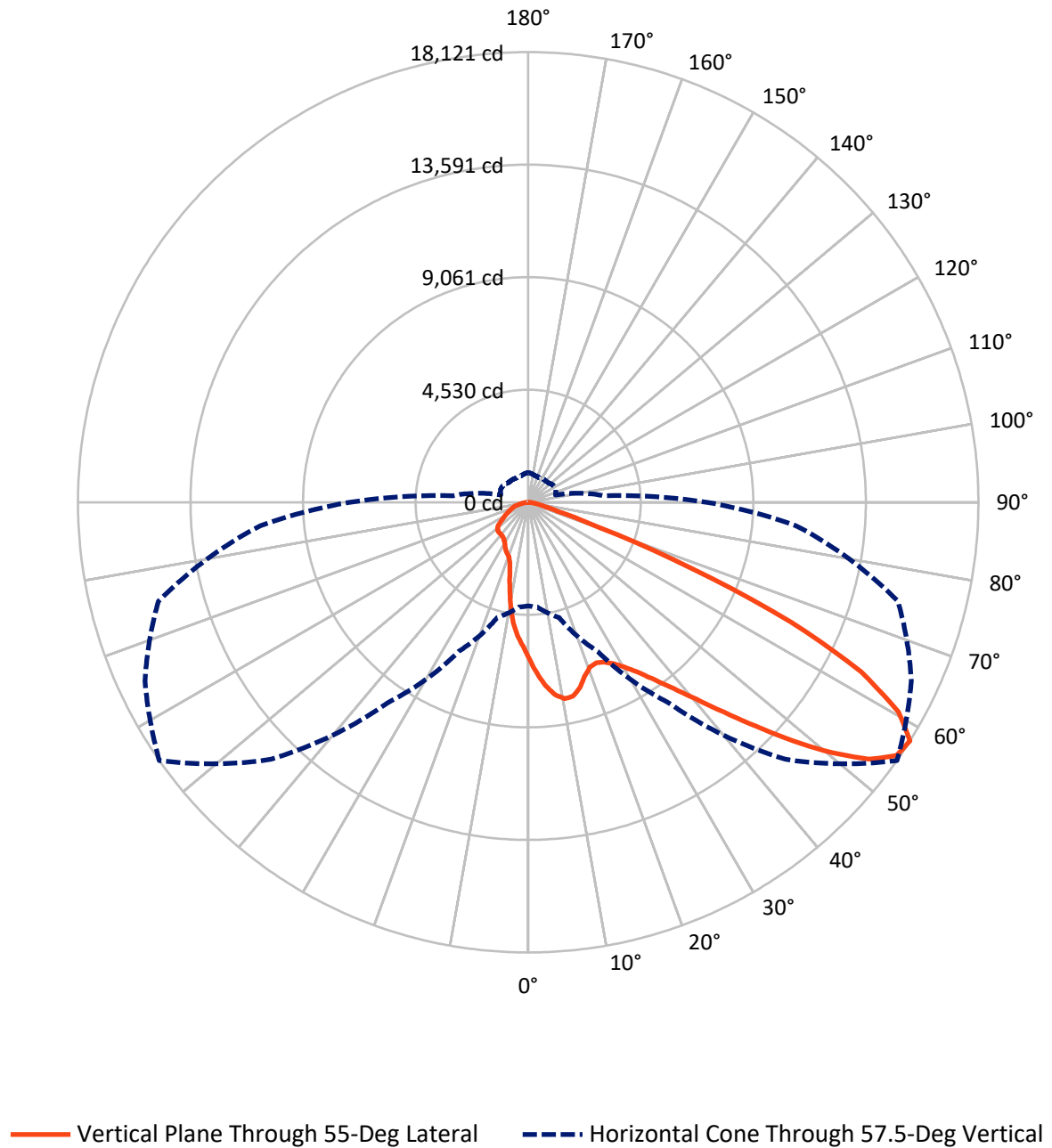


Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
Type II - Short - N/A

REPORT NUMBER: P949831

CATALOG NUMBER: GALN-SB4C-722-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P949831

CATALOG NUMBER: GALN-SB4C-722-U-AFL

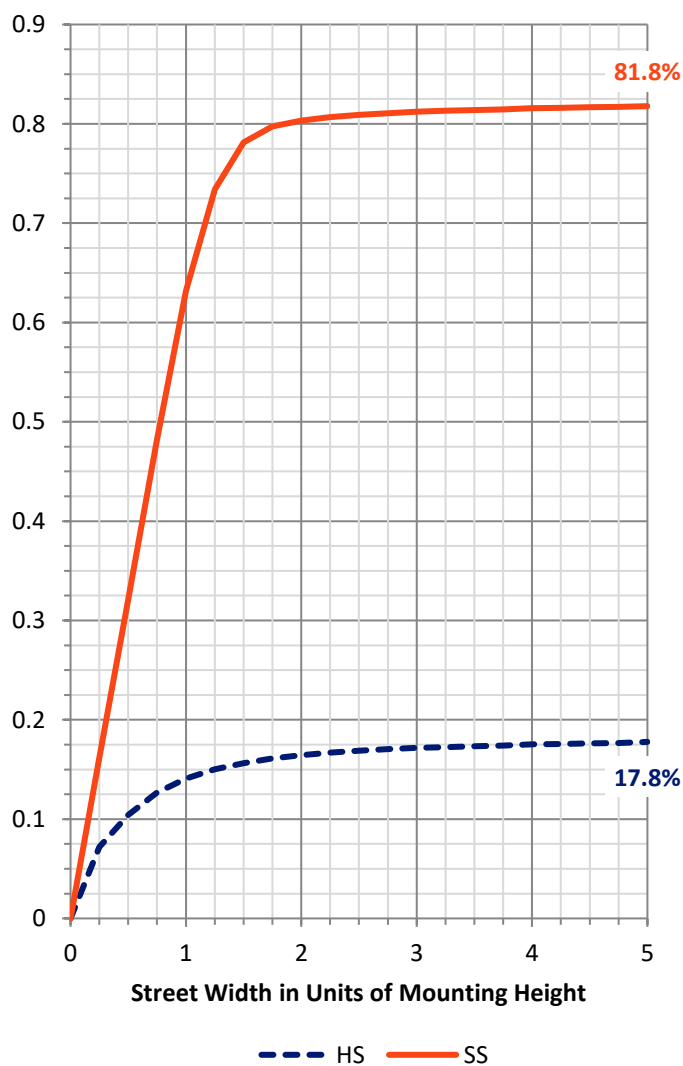
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4562.9	0.0	4562.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20654.1	0.0	20654.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	25217.0	0.0	25217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.3	2.3
10°-20°	1479.9	5.9
20°-30°	2361.5	9.4
30°-40°	3738.9	14.8
40°-50°	5722.7	22.7
50°-60°	6129.6	24.3
60°-70°	3856.1	15.3
70°-80°	1140.3	4.5
80°-90°	201.6	0.8
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°	25217.0	100.0
0°-180°	25217.0	100.0

Coefficient of Utilization



REPORT NUMBER: P949831

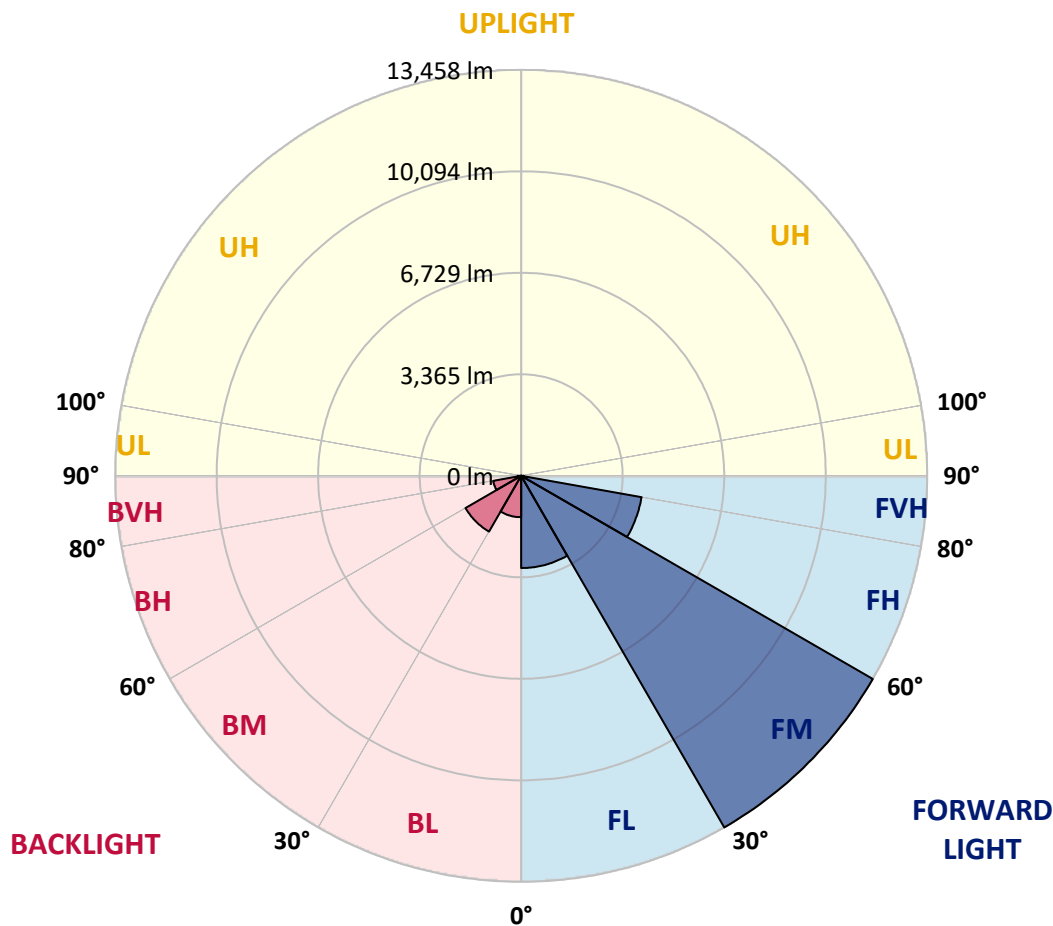
CATALOG NUMBER: GALN-SB4C-722-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3056.3	12.1			
FM	(30°-60°)	13458.5	53.4			
FH	(60°-80°)	4054.1	16.1			G2/5000
FVH	(80°-90°)	85.2	0.3			G1/100
BL	(0°-30°)	1371.5	5.4	B3/2500		
BM	(30°-60°)	2132.7	8.5	B2/2500		
BH	(60°-80°)	942.3	3.7	B2/1000		G2/1000
BVH	(80°-90°)	116.4	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-G2

Type II Short



REPORT NUMBER: P949831

CATALOG NUMBER: GALN-SB4C-722-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6
2.5°	7249.3	7244.1	7272.8	7175.0	7108.5	7018.6	6900.0	6748.8	6585.8	6413.7	6339.4
5°	7902.4	7856.8	7886.8	7813.8	7740.8	7605.2	7429.2	7182.9	6881.7	6538.9	6356.4
7.5°	7799.5	7768.2	7845.1	7910.3	7965.0	7948.1	7819.0	7560.9	7172.4	6674.4	6409.8
10°	6969.1	6933.9	7042.1	7267.6	7598.7	7886.8	8043.2	7882.9	7469.6	6823.1	6462.0
12.5°	6236.4	6219.5	6291.2	6473.7	6841.3	7394.0	8014.5	8164.5	7778.6	6999.0	6532.4
15°	5923.6	5902.7	5948.3	6040.9	6275.5	6790.5	7753.8	8357.4	8082.3	7202.4	6644.5
17.5°	5854.5	5831.0	5850.6	5898.8	6050.0	6442.4	7360.1	8452.6	8399.1	7429.2	6738.3
20°	5982.2	5962.7	5965.3	5962.7	6068.3	6379.8	7086.4	8416.1	8675.5	7637.8	6829.6
22.5°	6291.2	6258.6	6259.9	6190.8	6248.2	6489.3	7014.7	8318.3	8921.9	7820.3	6898.7
25°	6794.4	6735.7	6747.4	6571.5	6555.8	6734.4	7126.8	8242.7	9166.9	7966.3	6911.7
27.5°	7482.7	7416.2	7381.0	7119.0	6993.8	7082.5	7354.9	8268.8	9399.0	8092.8	6879.1
30°	8343.1	8262.2	8190.5	7819.0	7592.2	7559.6	7709.5	8440.8	9672.7	8225.7	6823.1
32.5°	9397.7	9303.8	9173.5	8680.7	8361.3	8190.5	8168.4	8747.2	9993.4	8395.2	6794.4
35°	10653.0	10530.5	10345.4	9707.9	9303.8	8954.4	8773.2	9189.1	10432.7	8650.7	6827.0
37.5°	11946.2	11808.0	11638.6	10879.9	10383.2	9868.3	9511.1	9788.8	11018.0	8997.5	6913.0
40°	13139.0	12983.9	12826.1	12150.9	11617.7	10997.2	10414.5	10547.4	11733.7	9412.0	7059.0
42.5°	13843.0	13728.2	13668.3	13303.3	12891.3	12261.7	11538.2	11446.9	12538.0	9889.1	7225.9
45°	13811.7	13764.7	13949.9	14101.1	14003.3	13653.9	12854.8	12441.6	13345.0	10302.4	7379.7
47.5°	13073.8	13105.1	13518.4	14368.3	14742.4	14924.9	14354.0	13418.0	14046.3	10611.3	7448.8
50°	11066.3	11092.4	12049.2	13882.1	14932.8	15961.3	15841.4	14370.9	14589.9	10800.3	7433.1
52.5°	9477.2	9494.1	9904.8	12440.3	14304.4	16482.8	17181.5	15269.1	14987.5	10852.5	7345.8
55°	7138.5	7197.2	7657.4	9760.1	12669.7	16069.5	17997.5	16194.7	15239.1	10857.7	7254.5
57.5°	4170.2	4234.1	4802.5	6624.9	9847.4	14629.0	18121.4	17015.9	15409.9	10816.0	7199.8
60°	2042.7	2070.1	2317.8	3481.9	6072.2	11853.7	17125.4	17413.5	15505.0	10793.8	7197.2
62.5°	1376.6	1372.7	1383.1	1718.1	2991.8	7615.6	15050.1	16717.4	15454.2	10709.1	7171.1
65°	1183.7	1169.3	1130.2	1205.8	1550.0	3483.2	11628.1	14639.5	15067.0	10496.6	6992.5
67.5°	1023.3	1024.6	1025.9	1002.5	1106.8	1607.3	7105.9	11531.7	13677.4	9490.2	6304.2
70°	847.3	859.1	864.3	864.3	902.1	1054.6	3033.5	7903.7	10788.6	7441.0	5077.5
72.5°	771.7	747.0	749.6	736.5	736.5	803.0	1221.5	4480.5	6797.0	4185.9	3098.7
75°	629.6	645.3	647.9	638.8	608.8	612.7	724.8	1879.8	2908.3	1736.4	1531.7
77.5°	543.6	543.6	548.8	542.3	518.8	458.9	483.6	728.7	989.4	711.8	765.2
80°	436.7	435.4	457.6	470.6	434.1	338.9	309.0	402.8	439.3	312.9	397.6
82.5°	212.5	225.5	314.2	358.5	329.8	245.1	189.0	250.3	234.6	138.2	178.6
85°	123.8	117.3	140.8	199.5	189.0	135.6	91.3	130.4	122.5	70.4	71.7
87.5°	39.1	36.5	28.7	67.8	54.8	37.8	24.8	37.8	33.9	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949831

CATALOG NUMBER: GALN-SB4C-722-U-AFL

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6
2.5°	6246.9	6093.0	5940.5	5801.0	5716.3	5661.5	5606.8	5545.5	5522.1	5486.9
5°	6184.3	5887.1	5622.4	5394.3	5187.0	5024.1	4859.8	4726.9	4666.9	4707.3
7.5°	6147.8	5717.6	5309.6	4891.1	4488.3	4166.3	3886.0	3689.2	3600.6	3622.7
10°	6115.2	5526.0	4904.2	4243.2	3664.4	3265.5	2978.7	2828.8	2772.8	2784.5
12.5°	6085.2	5310.9	4415.3	3545.8	2930.5	2667.2	2585.0	2586.3	2596.8	2604.6
15°	6080.0	5051.5	3869.1	2935.7	2534.2	2517.3	2605.9	2662.0	2691.9	2701.1
17.5°	6072.2	4741.2	3312.5	2519.9	2437.7	2552.5	2634.6	2671.1	2694.5	2695.9
20°	6040.9	4347.5	2798.8	2321.7	2416.9	2516.0	2566.8	2595.5	2615.0	2621.5
22.5°	5944.4	3909.5	2398.6	2233.1	2333.4	2413.0	2472.9	2505.5	2517.3	2525.1
25°	5771.0	3419.3	2122.3	2148.3	2217.4	2317.8	2366.0	2372.6	2368.6	2380.4
27.5°	5544.2	2894.0	1950.2	2033.6	2122.3	2208.3	2234.4	2230.5	2222.6	2235.7
30°	5270.5	2422.1	1840.7	1904.6	2025.8	2104.0	2127.5	2118.4	2102.7	2117.1
32.5°	4981.1	2036.2	1750.7	1814.6	1946.3	2023.2	2046.7	2037.5	2025.8	2037.5
35°	4711.2	1766.4	1667.3	1754.6	1883.7	1959.3	1989.3	1990.6	1990.6	2004.9
37.5°	4463.5	1608.6	1598.2	1716.8	1840.7	1908.5	1951.5	1954.1	1898.0	1902.0
40°	4234.1	1542.2	1566.9	1692.1	1799.0	1864.2	1866.8	1720.8	1617.8	1615.2
42.5°	4046.4	1529.1	1576.1	1689.5	1769.0	1771.6	1587.8	1474.4	1445.7	1447.0
45°	3870.4	1525.2	1596.9	1689.5	1724.7	1530.4	1406.6	1376.6	1379.2	1389.6
47.5°	3673.6	1509.6	1600.8	1666.0	1596.9	1361.0	1324.5	1311.4	1306.2	1308.8
50°	3458.5	1453.5	1551.3	1619.1	1377.9	1288.0	1242.3	1238.4	1244.9	1248.9
52.5°	3231.6	1362.3	1466.6	1534.3	1277.5	1224.1	1173.2	1182.4	1211.0	1220.2
55°	3083.0	1255.4	1354.4	1364.9	1207.1	1164.1	1121.1	1142.0	1195.4	1212.4
57.5°	3043.9	1142.0	1226.7	1215.0	1117.2	1112.0	1085.9	1104.2	1171.9	1196.7
60°	3032.2	1040.3	1101.5	1092.4	1029.8	1054.6	1048.1	1057.2	1080.7	1088.5
62.5°	2940.9	959.5	989.4	976.4	951.6	994.6	1010.3	990.7	1009.0	1018.1
65°	2708.9	894.3	879.9	870.8	881.2	920.3	951.6	912.5	929.5	955.5
67.5°	2325.6	805.6	766.5	776.9	809.5	830.4	870.8	826.5	840.8	885.1
70°	1881.1	693.5	658.3	688.3	719.6	762.6	769.1	739.1	773.0	822.6
72.5°	1331.0	580.1	555.3	616.6	627.0	683.1	668.7	654.4	701.3	718.3
75°	923.0	468.0	453.7	500.6	538.4	586.6	576.2	593.1	692.2	700.0
77.5°	584.0	363.7	354.6	384.6	436.7	490.2	507.1	700.0	1182.4	1229.3
80°	338.9	271.1	260.7	284.2	329.8	379.3	488.9	859.1	779.6	770.4
82.5°	189.0	186.4	173.4	179.9	220.3	273.8	690.9	604.9	491.5	507.1
85°	88.6	109.5	93.9	89.9	123.8	320.7	461.5	345.5	229.4	224.2
87.5°	23.5	20.9	20.9	23.5	52.1	276.4	183.8	147.3	87.3	84.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)