

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: P948760

Luminaire Tested: **GALN-SB3D-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948760
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-SB3D-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25651 lumens
Efficiency: N/A
Efficacy: 117.6 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): 218.1
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



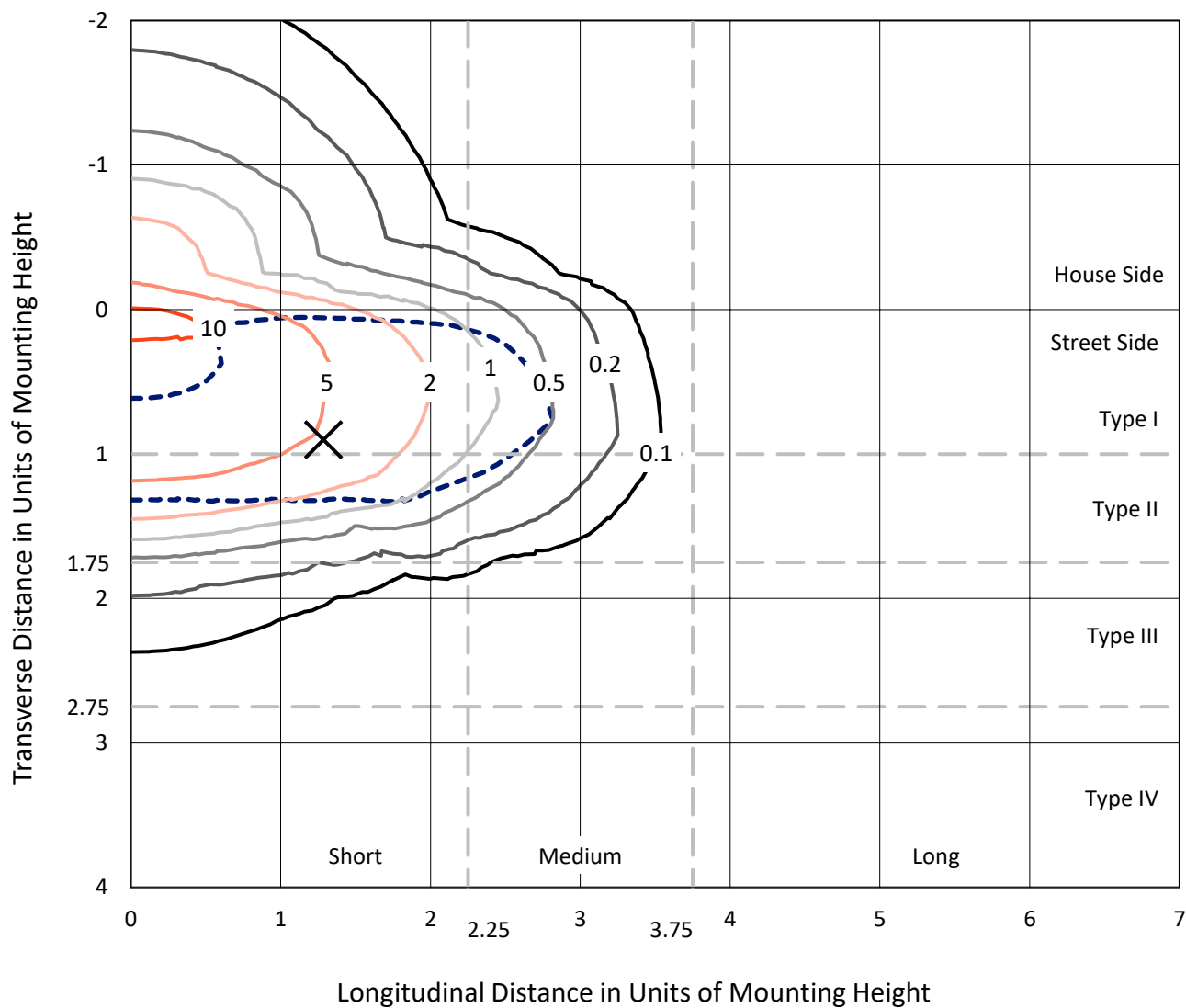
REPORT NUMBER: P948760

CATALOG NUMBER: GALN-SB3D-722-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



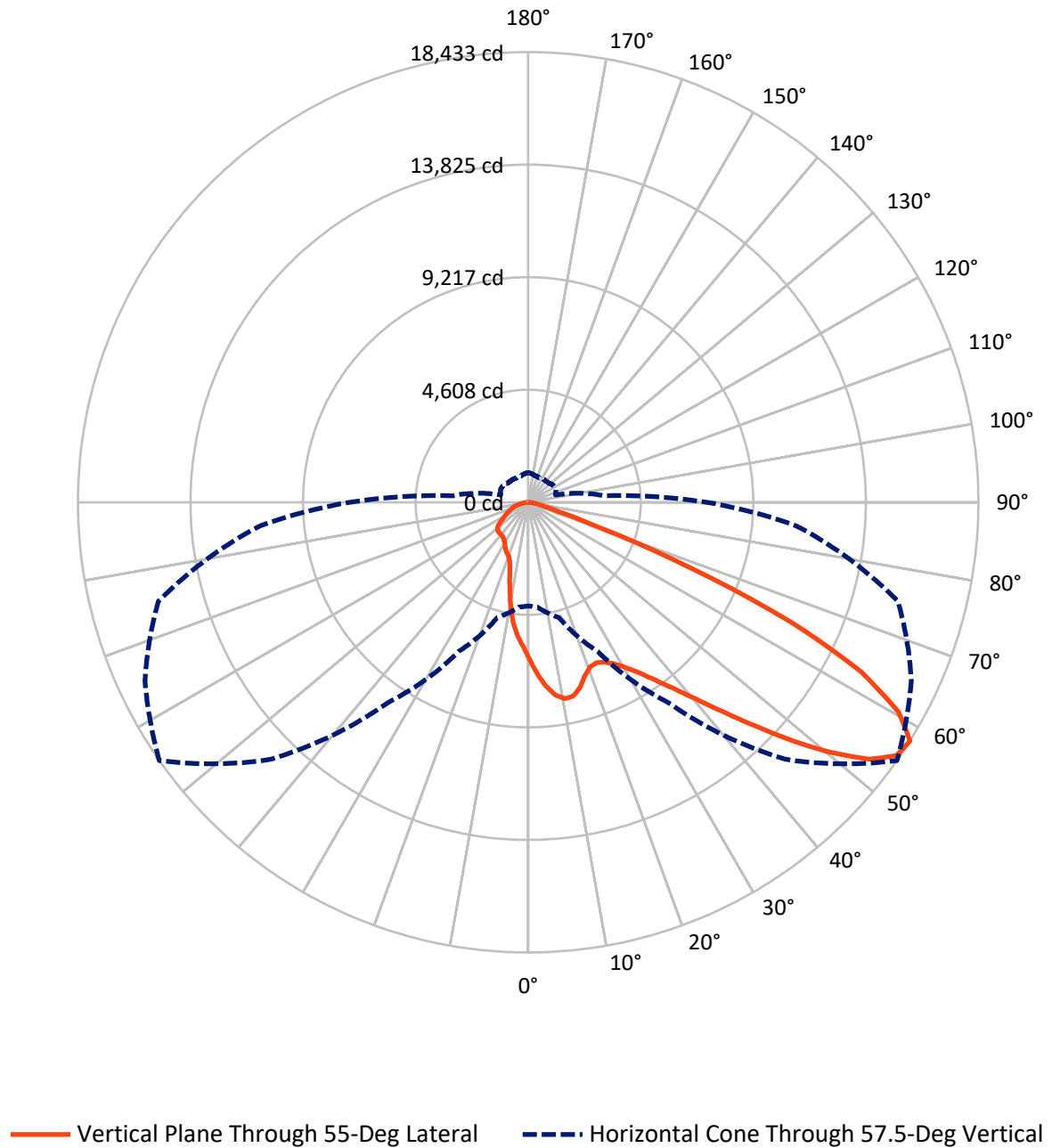
Based on 25 foot mounting height. Maximum calculated value = 12.4 fc

Type II - Short - N/A

REPORT NUMBER: P948760

CATALOG NUMBER: GALN-SB3D-722-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P948760

CATALOG NUMBER: GALN-SB3D-722-U-AFL

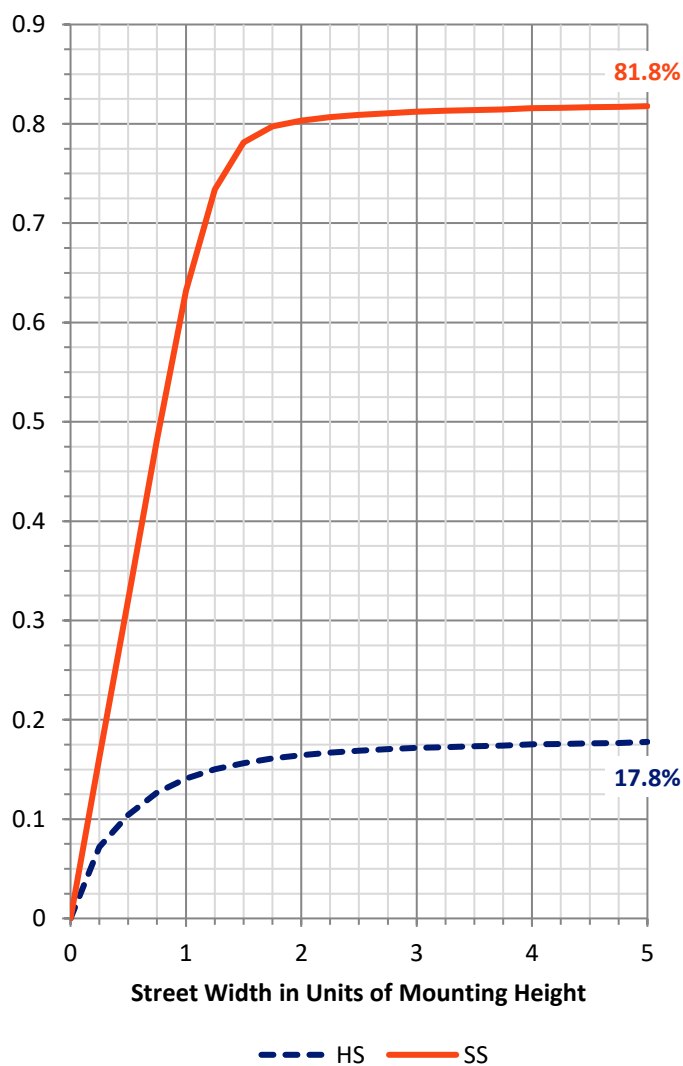
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4641.4	0.0	4641.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21009.6	0.0	21009.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	25651.0	0.0	25651.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.4	2.3
10°-20°	1505.4	5.9
20°-30°	2402.2	9.4
30°-40°	3803.2	14.8
40°-50°	5821.2	22.7
50°-60°	6235.1	24.3
60°-70°	3922.5	15.3
70°-80°	1160.0	4.5
80°-90°	205.1	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°	25651.0	100.0
0°-180°	25651.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948760

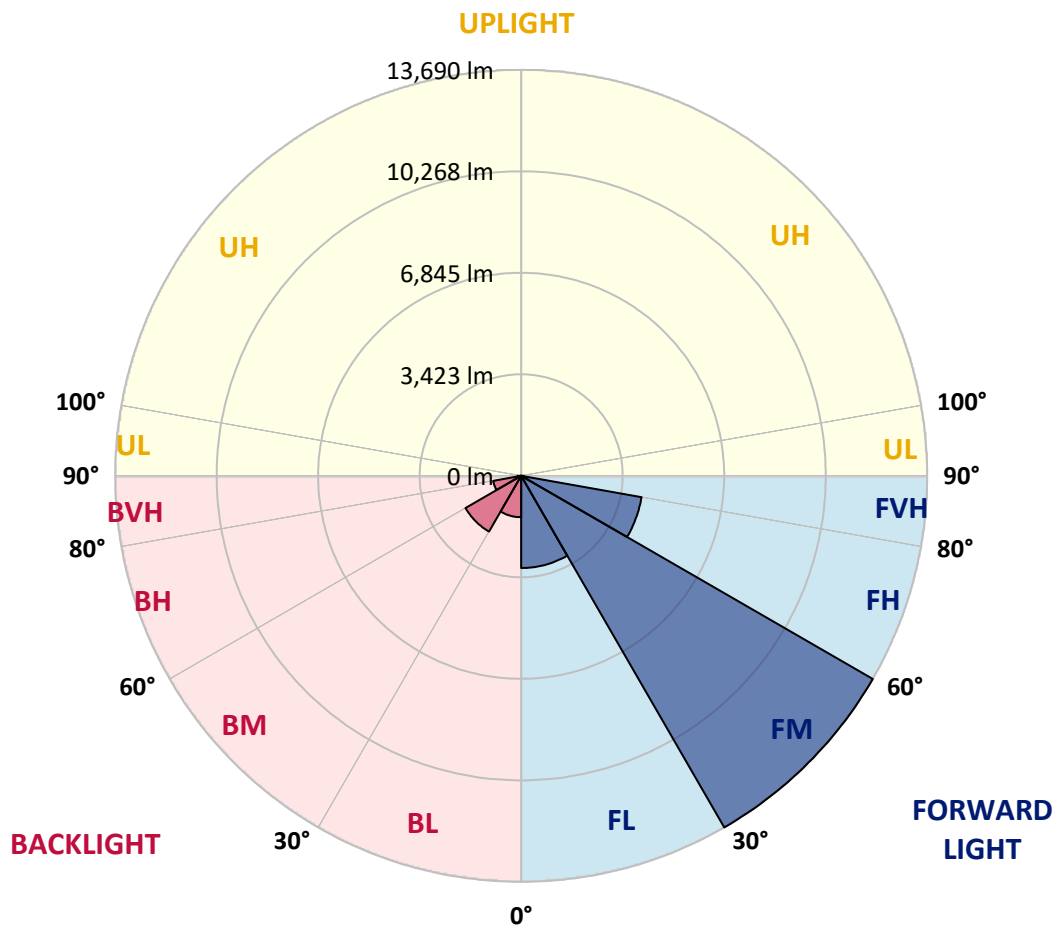
CATALOG NUMBER: GALN-SB3D-722-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3108.9	12.1			
FM	(30°-60°)	13690.1	53.4			
FH	(60°-80°)	4123.9	16.1			G2/5000
FVH	(80°-90°)	86.7	0.3			G1/100
BL	(0°-30°)	1395.1	5.4	B3/2500		
BM	(30°-60°)	2169.4	8.5	B2/2500		
BH	(60°-80°)	958.6	3.7	B2/1000		G2/1000
BVH	(80°-90°)	118.4	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: P948760

CATALOG NUMBER: GALN-SB3D-722-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3
2.5°	7374.1	7368.8	7398.0	7298.5	7230.9	7139.4	7018.7	6864.9	6699.1	6524.1	6448.5
5°	8038.4	7992.0	8022.5	7948.3	7874.0	7736.1	7557.1	7306.5	7000.2	6651.4	6465.8
7.5°	7933.7	7901.9	7980.1	8046.4	8102.1	8084.9	7953.6	7691.0	7295.9	6789.3	6520.1
10°	7089.0	7053.2	7163.3	7392.7	7729.5	8022.5	8181.7	8018.6	7598.2	6940.5	6573.2
12.5°	6343.8	6326.5	6399.5	6585.1	6959.0	7521.3	8152.5	8305.0	7912.5	7119.5	6644.8
15°	6025.5	6004.3	6050.7	6144.9	6383.5	6907.3	7887.3	8501.2	8221.4	7326.4	6758.8
17.5°	5955.2	5931.4	5951.3	6000.3	6154.1	6553.3	7486.8	8598.0	8543.7	7557.1	6854.3
20°	6085.2	6065.3	6068.0	6065.3	6172.7	6489.6	7208.3	8560.9	8824.8	7769.3	6947.1
22.5°	6399.5	6366.3	6367.6	6297.4	6355.7	6601.0	7135.4	8461.5	9075.4	7954.9	7017.4
25°	6911.3	6851.6	6863.6	6684.6	6668.6	6850.3	7249.5	8384.5	9324.7	8103.4	7030.7
27.5°	7611.5	7543.8	7508.0	7241.5	7114.2	7204.4	7481.5	8411.1	9560.7	8232.0	6997.5
30°	8486.6	8404.4	8331.5	7953.6	7722.8	7689.7	7842.2	8586.1	9839.2	8367.3	6940.5
32.5°	9559.4	9463.9	9331.3	8830.1	8505.2	8331.5	8309.0	8897.7	10165.4	8539.7	6911.3
35°	10836.4	10711.7	10523.4	9875.0	9463.9	9108.6	8924.2	9347.2	10612.3	8799.6	6944.5
37.5°	12151.8	12011.3	11838.9	11067.1	10561.9	10038.1	9674.8	9957.2	11207.7	9152.3	7032.0
40°	13365.1	13207.3	13046.9	12360.0	11817.7	11186.5	10593.7	10729.0	11935.7	9574.0	7180.5
42.5°	14081.2	13964.5	13903.5	13532.2	13113.2	12472.7	11736.8	11643.9	12753.8	10059.3	7350.2
45°	14049.4	14001.6	14189.9	14343.8	14244.3	13888.9	13076.1	12655.7	13574.7	10479.7	7506.7
47.5°	13298.8	13330.7	13751.0	14615.6	14996.2	15181.8	14601.0	13648.9	14288.1	10794.0	7577.0
50°	11256.7	11283.3	12256.6	14121.0	15189.8	16236.0	16114.0	14618.2	14841.0	10986.2	7561.1
52.5°	9640.3	9657.5	10075.2	12654.4	14550.6	16766.4	17477.2	15531.9	15245.5	11039.3	7472.2
55°	7261.4	7321.1	7789.1	9928.0	12887.8	16346.1	18307.3	16473.4	15501.4	11044.6	7379.4
57.5°	4242.0	4307.0	4885.1	6738.9	10016.9	14880.8	18433.3	17308.8	15675.1	11002.1	7323.7
60°	2077.9	2105.7	2357.7	3541.8	6176.7	12057.7	17420.2	17713.2	15771.9	10979.6	7321.1
62.5°	1400.3	1396.3	1406.9	1747.7	3043.3	7746.7	15309.1	17005.1	15720.2	10893.4	7294.5
65°	1204.0	1189.5	1149.7	1226.6	1576.7	3543.2	11828.3	14891.4	15326.4	10677.3	7112.9
67.5°	1040.9	1042.3	1043.6	1019.7	1125.8	1635.0	7228.2	11730.1	13912.8	9653.6	6412.7
70°	861.9	873.9	879.2	879.2	917.6	1072.8	3085.7	8039.8	10974.3	7569.0	5164.9
72.5°	785.0	759.8	762.5	749.2	749.2	816.8	1242.5	4557.6	6914.0	4257.9	3152.0
75°	640.5	656.4	659.0	649.8	619.3	623.2	737.3	1912.1	2958.4	1766.3	1558.1
77.5°	553.0	553.0	558.3	551.6	527.8	466.8	492.0	741.3	1006.5	724.0	778.4
80°	444.2	442.9	465.4	478.7	441.6	344.8	314.3	409.7	446.9	318.2	404.4
82.5°	216.1	229.4	319.6	364.7	335.5	249.3	192.3	254.6	238.7	140.6	181.7
85°	126.0	119.3	143.2	202.9	192.3	137.9	92.8	132.6	124.6	71.6	72.9
87.5°	39.8	37.1	29.2	69.0	55.7	38.5	25.2	38.5	34.5	15.9	15.9
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: P948760

CATALOG NUMBER: GALN-SB3D-722-U-AFL

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3	6427.3
2.5°	6354.4	6197.9	6042.8	5900.9	5814.7	5759.0	5703.3	5641.0	5617.1	5581.3
5°	6290.7	5988.4	5719.2	5487.1	5276.3	5110.6	4943.5	4808.2	4747.2	4788.3
7.5°	6253.6	5816.0	5401.0	4975.3	4565.6	4238.0	3952.9	3752.7	3662.5	3685.1
10°	6220.4	5621.1	4988.6	4316.3	3727.5	3321.7	3030.0	2877.5	2820.5	2832.4
12.5°	6189.9	5402.3	4491.3	3606.8	2980.9	2713.1	2629.5	2630.9	2641.5	2649.4
15°	6184.6	5138.4	3935.7	2986.2	2577.8	2560.6	2650.8	2707.8	2738.3	2747.6
17.5°	6176.7	4822.8	3369.5	2563.2	2479.7	2596.4	2679.9	2717.1	2740.9	2742.2
20°	6144.9	4422.3	2847.0	2361.7	2458.5	2559.3	2611.0	2640.1	2660.0	2666.7
22.5°	6046.7	3976.8	2439.9	2271.5	2373.6	2454.5	2515.5	2548.6	2560.6	2568.5
25°	5870.4	3478.2	2158.8	2185.3	2255.6	2357.7	2406.8	2413.4	2409.4	2421.3
27.5°	5639.6	2943.8	1983.8	2068.6	2158.8	2246.3	2272.8	2268.9	2260.9	2274.2
30°	5361.2	2463.8	1872.4	1937.3	2060.7	2140.2	2164.1	2154.8	2138.9	2153.5
32.5°	5066.8	2071.3	1780.9	1845.8	1979.8	2058.0	2081.9	2072.6	2060.7	2072.6
35°	4792.3	1796.8	1696.0	1784.8	1916.1	1993.0	2023.5	2024.9	2024.9	2039.4
37.5°	4540.4	1636.3	1625.7	1746.4	1872.4	1941.3	1985.1	1987.7	1930.7	1934.7
40°	4307.0	1568.7	1593.9	1721.2	1829.9	1896.2	1898.9	1750.4	1645.6	1643.0
42.5°	4116.0	1555.4	1603.2	1718.5	1799.4	1802.1	1615.1	1499.7	1470.6	1471.9
45°	3937.0	1551.5	1624.4	1718.5	1754.3	1556.8	1430.8	1400.3	1402.9	1413.6
47.5°	3736.8	1535.6	1628.4	1694.7	1624.4	1384.4	1347.3	1334.0	1328.7	1331.3
50°	3518.0	1478.5	1578.0	1646.9	1401.6	1310.1	1263.7	1259.7	1266.4	1270.3
52.5°	3287.2	1385.7	1491.8	1560.7	1299.5	1245.2	1193.4	1202.7	1231.9	1241.2
55°	3136.1	1277.0	1377.8	1388.4	1227.9	1184.2	1140.4	1161.6	1216.0	1233.2
57.5°	3096.3	1161.6	1247.8	1235.9	1136.4	1131.1	1104.6	1123.2	1192.1	1217.3
60°	3084.4	1058.2	1120.5	1111.2	1047.6	1072.8	1066.1	1075.4	1099.3	1107.2
62.5°	2991.5	976.0	1006.5	993.2	968.0	1011.8	1027.7	1007.8	1026.4	1035.6
65°	2755.5	909.7	895.1	885.8	896.4	936.2	968.0	928.2	945.5	972.0
67.5°	2365.7	819.5	779.7	790.3	823.5	844.7	885.8	840.7	855.3	900.4
70°	1913.5	705.5	669.6	700.1	732.0	775.7	782.4	751.9	786.3	836.7
72.5°	1353.9	590.1	564.9	627.2	637.8	694.8	680.3	665.7	713.4	730.6
75°	938.8	476.0	461.5	509.2	547.7	596.7	586.1	603.3	704.1	712.1
77.5°	594.1	370.0	360.7	391.2	444.2	498.6	515.8	712.1	1202.7	1250.5
80°	344.8	275.8	265.2	289.1	335.5	385.9	497.3	873.9	793.0	783.7
82.5°	192.3	189.6	176.4	183.0	224.1	278.5	702.8	615.3	499.9	515.8
85°	90.2	111.4	95.5	91.5	126.0	326.2	469.4	351.4	233.4	228.1
87.5°	23.9	21.2	21.2	23.9	53.0	281.1	187.0	149.8	88.8	86.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)