

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: P951258

Luminaire Tested: **GALN-SB5C-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26646 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 249.5
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

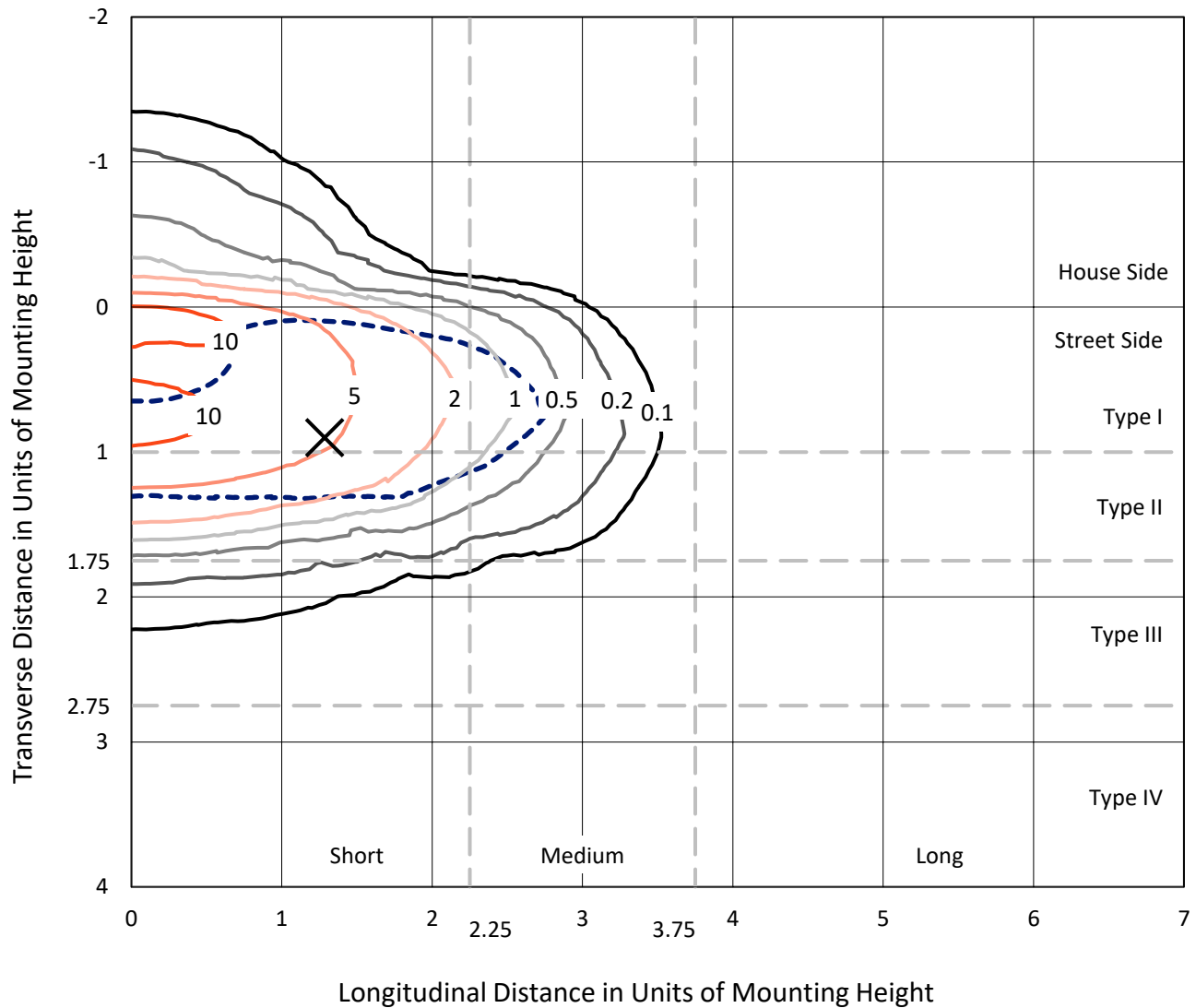


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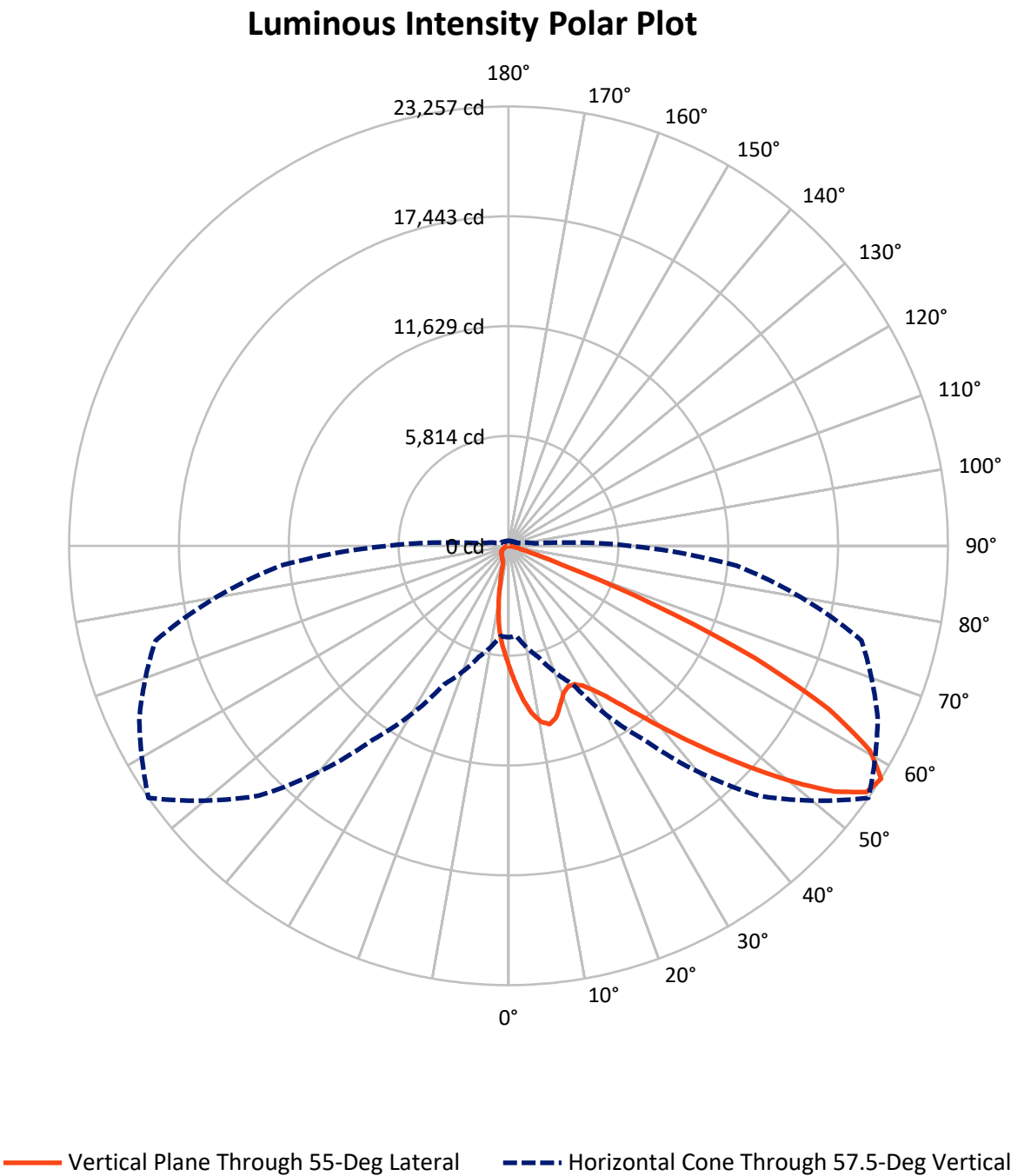
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc
Type II - Short - N/A

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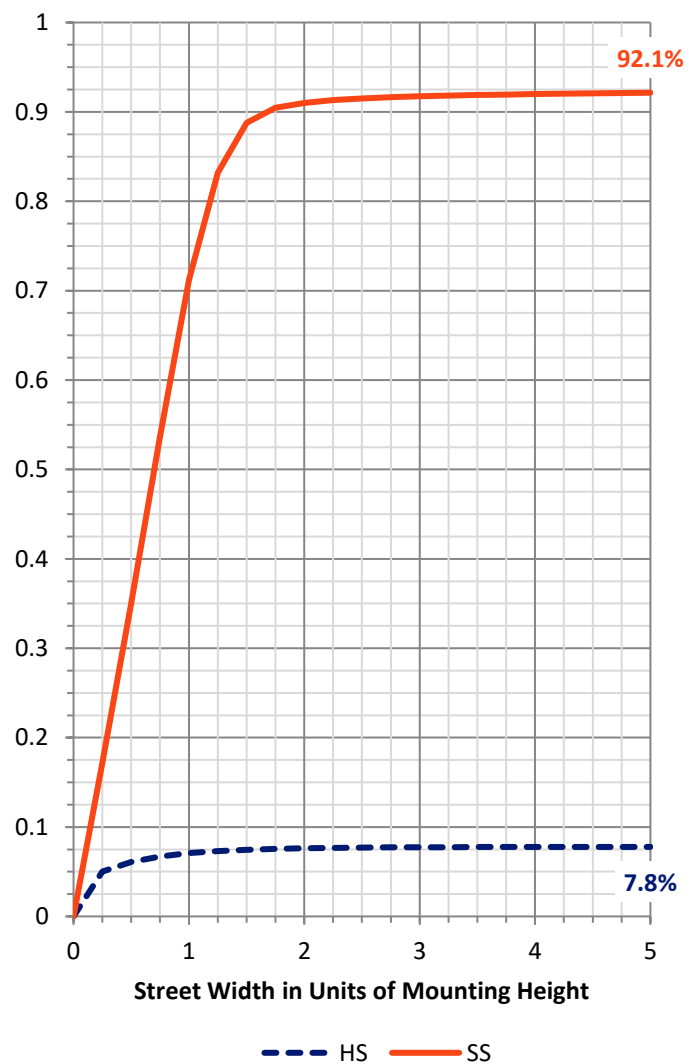
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2080.9	0.0	2080.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	24565.1	0.0	24565.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	26646.0	0.0	26646.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.4	2.2
10°-20°	1443.1	5.4
20°-30°	2309.0	8.7
30°-40°	3908.1	14.7
40°-50°	6416.2	24.1
50°-60°	7051.9	26.5
60°-70°	4045.0	15.2
70°-80°	826.5	3.1
80°-90°	48.7	0.2
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°	26646.0	100.0
0°-180°	26646.0	100.0

Coefficient of Utilization



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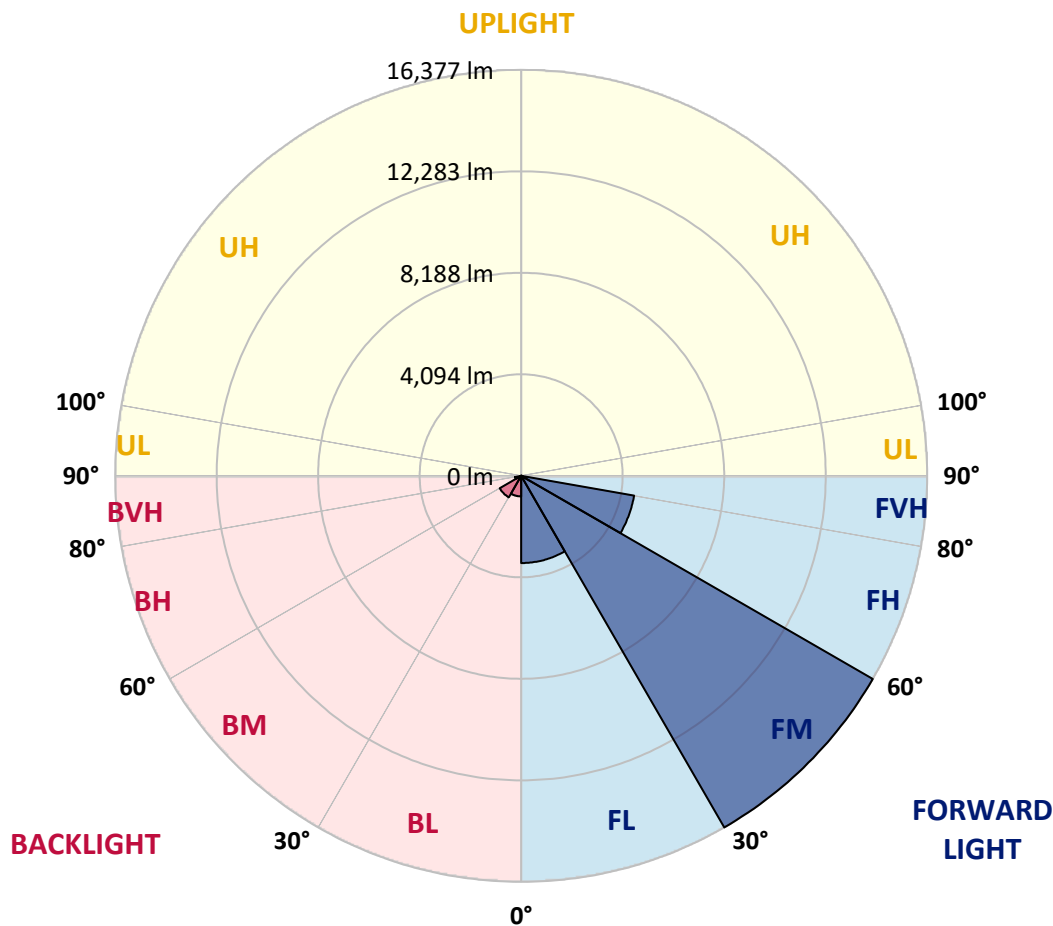
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3518.8	13.2			
FM	(30°-60°)	16376.8	61.5			
FH	(60°-80°)	4624.0	17.4			G2/5000
FVH	(80°-90°)	45.5	0.2			G1/100
BL	(0°-30°)	830.8	3.1	B2/1000		
BM	(30°-60°)	999.4	3.8	B1/1000		
BH	(60°-80°)	247.5	0.9	B1/500		G1/500
BVH	(80°-90°)	3.3	0.0			G0/10
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0
2.5°	7967.1	7866.9	7852.1	7832.4	7641.8	7498.9	7291.8	7065.1	6810.4	6550.8	6435.8
5°	9204.4	9125.5	9110.7	9018.7	8801.8	8558.6	8190.6	7725.6	7250.8	6692.1	6452.2
7.5°	9444.2	9429.4	9496.8	9493.5	9464.0	9271.7	8961.2	8407.5	7694.4	6866.3	6495.0
10°	8374.6	8412.4	8612.9	8788.7	9263.5	9539.5	9472.2	9015.4	8151.2	7065.1	6542.6
12.5°	7400.3	7355.9	7498.9	7697.7	8249.7	9071.3	9684.1	9523.1	8673.6	7290.2	6613.3
15°	6789.1	6771.0	6851.5	6943.5	7364.1	8192.2	9437.7	9935.5	9176.4	7556.4	6720.1
17.5°	6593.5	6578.8	6603.4	6626.4	6899.2	7539.9	8851.1	10188.5	9657.8	7860.3	6838.4
20°	6752.9	6733.2	6729.9	6711.8	6825.2	7262.3	8320.4	10206.6	10090.0	8136.4	6940.2
22.5°	7217.9	7194.9	7114.4	7042.1	7052.0	7300.1	8083.8	10025.9	10415.3	8394.3	7004.3
25°	8060.8	8023.0	7855.4	7612.2	7457.8	7562.9	8119.9	9787.6	10725.8	8596.4	6973.1
27.5°	9115.6	9066.3	8851.1	8489.6	8136.4	8008.2	8381.2	9623.3	10983.8	8750.9	6905.7
30°	10149.1	10085.0	9873.1	9592.1	9076.2	8672.0	8852.7	9695.6	11291.0	8911.9	6817.0
32.5°	11264.7	11203.9	10923.0	10574.7	10147.5	9603.6	9498.5	10048.9	11667.3	9137.0	6754.6
35°	12676.1	12580.8	12181.6	11706.7	11253.2	10702.8	10372.6	10658.4	12168.4	9480.4	6789.1
37.5°	14283.0	14154.9	13724.4	13068.8	12477.3	11861.2	11437.3	11496.4	12902.9	9940.4	6895.9
40°	15797.9	15681.2	15283.6	14665.8	13923.2	13175.6	12723.8	12592.3	13916.6	10500.7	7083.2
42.5°	16706.5	16601.4	16433.8	16172.5	15546.5	14784.1	14214.0	13929.8	15116.0	11171.1	7311.6
45°	16757.4	16665.4	16890.5	17194.5	17071.3	16563.6	15868.6	15347.7	16320.4	11800.4	7548.2
47.5°	15942.5	15880.1	16563.6	17625.0	18154.0	18367.6	17726.8	16647.4	17314.4	12252.2	7645.1
50°	13721.1	13698.1	15104.5	17053.2	18566.4	19948.2	19687.0	17856.6	18085.0	12485.5	7553.1
52.5°	11897.3	11813.5	12633.4	15222.8	17966.7	20779.6	21602.8	19042.9	18623.9	12529.9	7337.8
55°	9023.6	8949.7	9978.2	12160.2	16032.9	20483.9	23004.3	20267.0	19010.1	12416.5	6951.7
57.5°	4840.4	4794.4	6094.1	8093.7	12533.2	18709.4	23257.3	21561.7	19335.4	12115.8	6411.2
60°	1884.6	1876.4	2362.7	3926.9	7617.2	15221.2	21980.7	22338.9	19539.1	11746.1	5959.3
62.5°	1140.3	1164.9	1243.8	1763.0	3365.0	9455.7	19038.0	21454.9	19675.5	11407.7	5586.4
65°	943.1	944.8	954.6	1210.9	1611.8	3956.5	14332.3	18546.7	19338.7	10804.7	5057.3
67.5°	808.4	823.2	861.0	961.2	1137.0	1735.1	8251.4	14366.8	17289.8	9401.5	4232.5
70°	637.5	657.2	704.9	790.3	877.4	1086.1	3049.5	9559.2	13208.5	7086.5	3200.7
72.5°	537.3	535.6	560.3	642.4	696.7	764.0	1173.1	5356.3	7676.3	3383.0	1583.9
75°	415.7	432.1	463.3	537.3	570.1	553.7	635.9	1956.9	2750.5	1025.3	538.9
77.5°	325.3	338.5	366.4	438.7	471.6	392.7	366.4	699.9	884.0	368.0	243.2
80°	146.2	157.7	249.7	323.7	384.5	271.1	198.8	358.2	392.7	167.6	123.2
82.5°	26.3	44.4	146.2	170.9	197.2	175.8	103.5	185.7	192.2	67.4	42.7
85°	1.6	3.3	50.9	62.4	78.9	57.5	31.2	73.9	64.1	23.0	16.4
87.5°	0.0	0.0	0.0	1.6	1.6	8.2	9.9	13.1	9.9	8.2	6.6
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0	6421.0
2.5°	6317.5	6084.2	5857.5	5671.8	5563.4	5379.3	5257.8	5238.0	5187.1	5231.5
5°	6195.9	5778.6	5356.3	4978.4	4667.9	4267.0	3968.0	3841.4	3731.4	3769.2
7.5°	6138.4	5479.6	4822.3	4176.6	3512.8	2872.0	2395.6	2196.8	2045.6	2067.0
10°	6061.2	5169.0	4138.8	3153.0	2264.1	1631.5	1302.9	1181.4	1114.0	1115.6
12.5°	6002.1	4797.7	3345.2	2137.6	1378.5	1041.7	939.8	910.2	890.5	892.2
15°	5972.5	4360.6	2561.5	1424.5	985.8	882.3	857.7	844.5	831.4	829.7
17.5°	5923.2	3874.3	1874.7	1040.0	862.6	826.5	805.1	790.3	773.9	770.6
20°	5849.2	3322.2	1370.3	879.0	808.4	780.4	750.9	731.2	711.4	708.2
22.5°	5712.9	2739.0	1053.2	813.3	768.9	737.7	701.6	678.6	658.9	655.6
25°	5459.8	2191.8	887.2	772.2	734.4	696.7	657.2	626.0	607.9	604.6
27.5°	5139.5	1721.9	805.1	734.4	690.1	655.6	611.2	581.6	565.2	561.9
30°	4761.6	1325.9	757.4	691.7	637.5	607.9	568.5	543.8	534.0	534.0
32.5°	4354.1	1059.8	737.7	649.0	591.5	558.6	527.4	517.6	514.3	512.6
35°	3971.2	920.1	727.9	614.5	550.4	519.2	506.1	507.7	514.3	514.3
37.5°	3631.1	875.7	722.9	589.9	514.3	486.3	494.6	509.3	502.8	502.8
40°	3323.9	880.7	719.7	571.8	484.7	468.3	484.7	473.2	456.8	455.1
42.5°	3088.9	921.7	713.1	557.0	466.6	455.1	448.6	430.5	428.8	432.1
45°	2918.1	957.9	711.4	550.4	446.9	425.5	417.3	399.3	432.1	440.3
47.5°	2716.0	957.9	711.4	527.4	414.0	405.8	392.7	373.0	405.8	414.0
50°	2454.7	897.1	683.5	501.1	387.8	382.8	359.8	335.2	328.6	333.5
52.5°	2124.5	787.0	612.9	465.0	361.5	351.6	323.7	305.6	300.7	300.7
55°	1748.2	658.9	517.6	412.4	333.5	315.5	295.7	287.5	282.6	279.3
57.5°	1421.2	540.6	415.7	366.4	307.2	284.2	277.7	267.8	259.6	254.7
60°	1166.6	425.5	343.4	325.3	281.0	259.6	258.0	244.8	223.5	220.2
62.5°	900.4	312.2	289.2	282.6	254.7	236.6	233.3	207.0	174.2	167.6
65°	635.9	243.2	233.3	248.1	226.7	210.3	202.1	162.7	128.2	123.2
67.5°	446.9	203.7	184.0	216.9	197.2	175.8	170.9	138.0	106.8	103.5
70°	318.8	165.9	151.2	185.7	157.7	154.4	144.6	115.0	87.1	83.8
72.5°	225.1	126.5	116.7	161.0	108.4	133.1	118.3	88.7	65.7	62.4
75°	165.9	90.4	82.2	93.7	78.9	100.2	83.8	59.1	41.1	39.4
77.5°	121.6	57.5	49.3	46.0	46.0	62.4	46.0	24.6	18.1	16.4
80°	85.4	26.3	23.0	19.7	18.1	14.8	6.6	3.3	1.6	1.6
82.5°	50.9	11.5	11.5	8.2	4.9	0.0	0.0	0.0	0.0	0.0
85°	11.5	4.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)