

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: P952329

Luminaire Tested: **GALN-SB6B-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952329
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-SB6B-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA 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: 24051 lumens
Efficiency: N/A
Efficacy: 109.1 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): 220.4
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

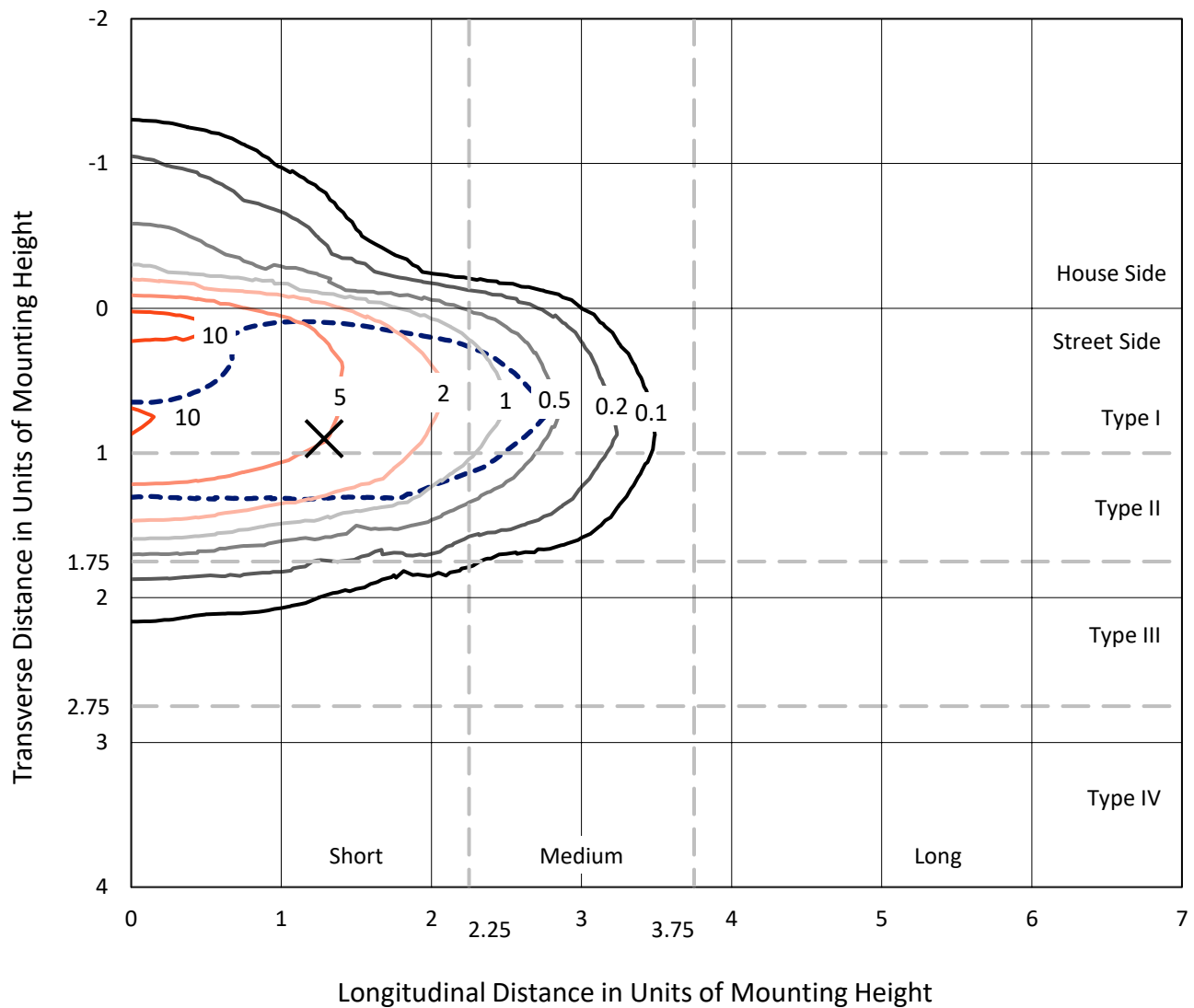


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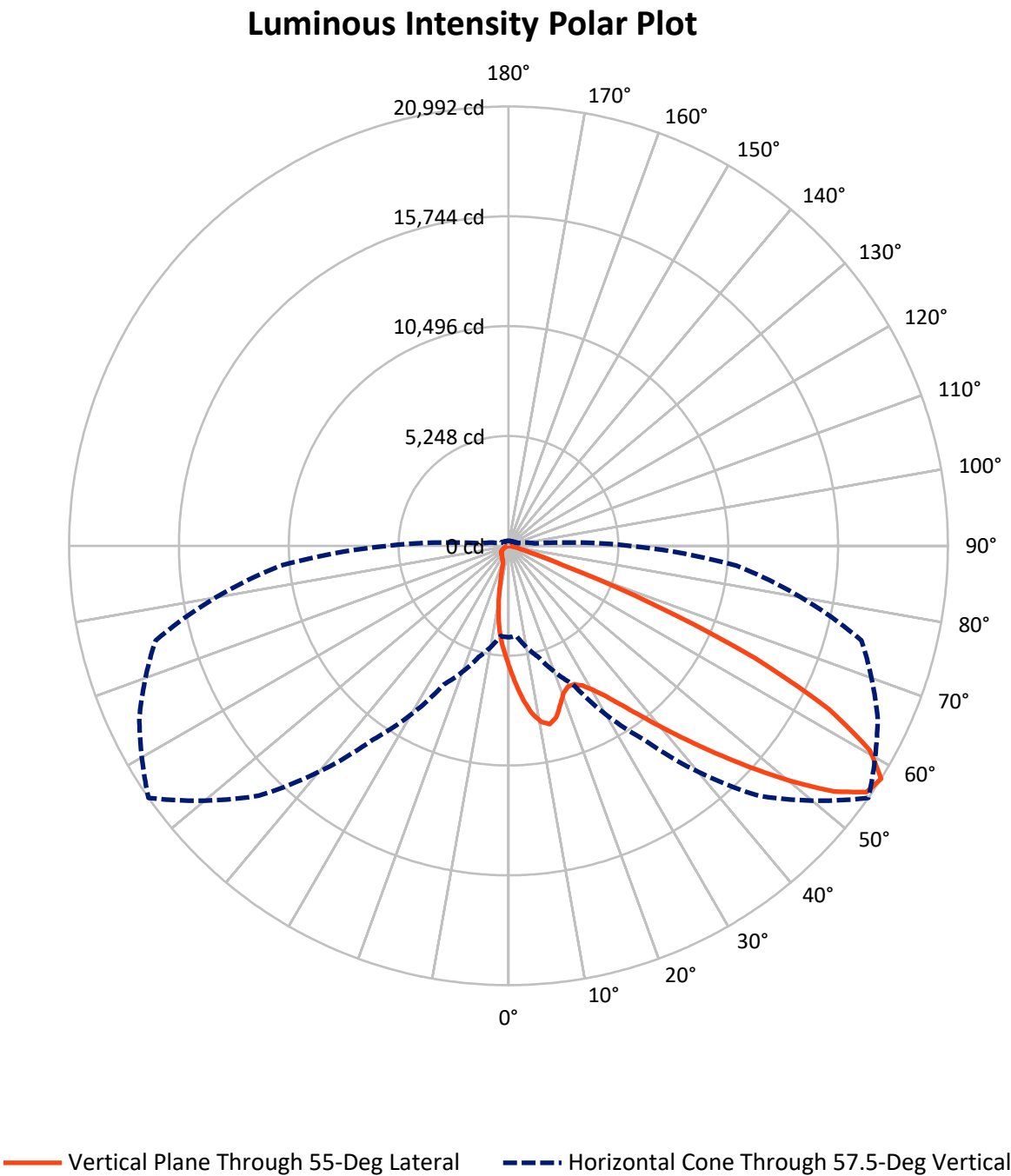
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
Type II - Short - N/A

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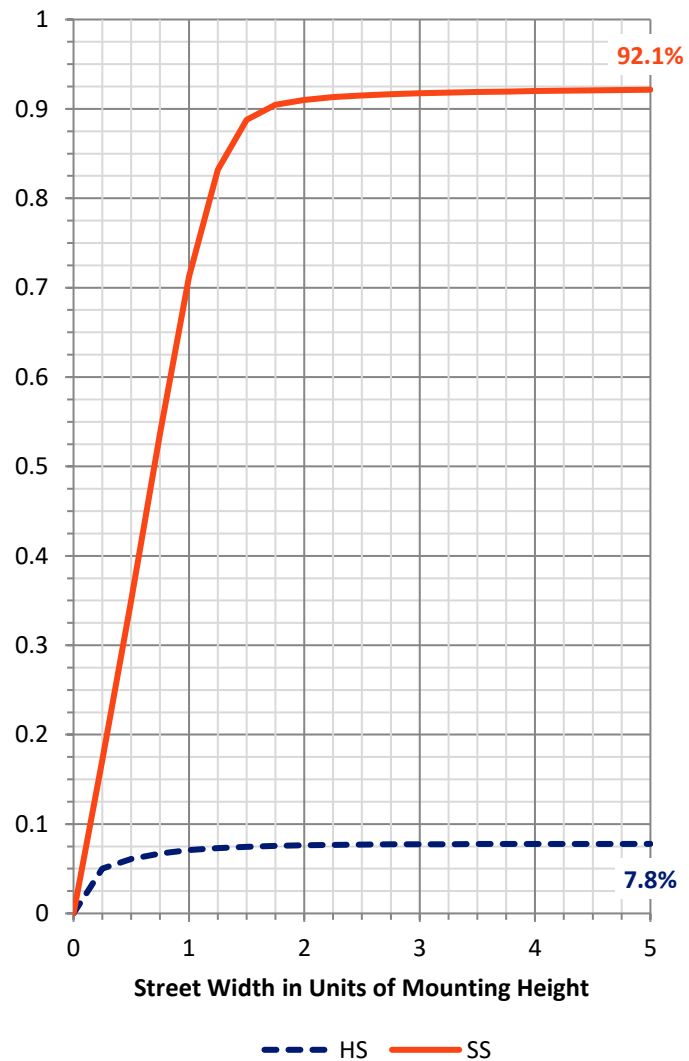
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1878.3	0.0	1878.3
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	22172.7	0.0	22172.7
	% Fixture	92.2	0.0	92.2
Total	Lumens	24051.0	0.0	24051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.3	2.2
10°-20°	1302.6	5.4
20°-30°	2084.1	8.7
30°-40°	3527.5	14.7
40°-50°	5791.4	24.1
50°-60°	6365.1	26.5
60°-70°	3651.0	15.2
70°-80°	746.0	3.1
80°-90°	44.0	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°	24051.0	100.0
0°-180°	24051.0	100.0

Coefficient of Utilization



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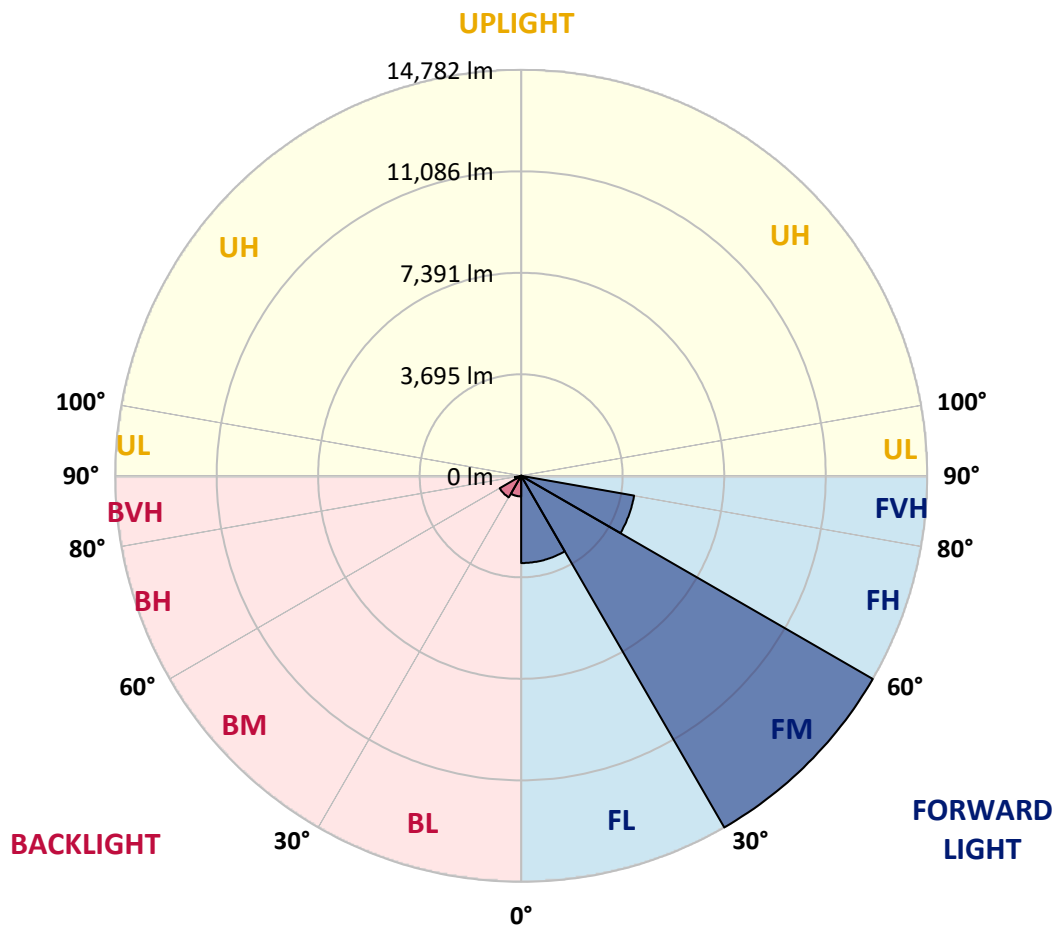
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3176.1	13.2			
FM	(30°-60°)	14781.9	61.5			
FH	(60°-80°)	4173.7	17.4			G2/5000
FVH	(80°-90°)	41.0	0.2			G1/100
BL	(0°-30°)	749.9	3.1	B2/1000		
BM	(30°-60°)	902.1	3.8	B1/1000		
BH	(60°-80°)	223.4	0.9	B1/500		G1/500
BVH	(80°-90°)	3.0	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°	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7
2.5°	7191.2	7100.8	7087.4	7069.6	6897.6	6768.6	6581.7	6377.0	6147.2	5912.9	5809.0
5°	8308.0	8236.8	8223.4	8140.4	7944.6	7725.1	7392.9	6973.2	6544.6	6040.4	5823.9
7.5°	8524.5	8511.1	8571.9	8569.0	8542.3	8368.8	8088.5	7588.7	6945.0	6197.6	5862.4
10°	7559.0	7593.1	7774.1	7932.8	8361.3	8610.5	8549.7	8137.4	7357.3	6377.0	5905.4
12.5°	6679.6	6639.5	6768.6	6948.0	7446.3	8187.8	8741.0	8595.7	7828.9	6580.2	5969.2
15°	6127.9	6111.6	6184.3	6267.3	6647.0	7394.4	8518.5	8967.9	8282.7	6820.5	6065.6
17.5°	5951.4	5938.1	5960.3	5981.1	6227.3	6805.6	7989.1	9196.3	8717.3	7094.8	6172.4
20°	6095.3	6077.5	6074.5	6058.2	6160.5	6555.0	7510.1	9212.6	9107.3	7344.0	6264.3
22.5°	6515.0	6494.2	6421.5	6356.3	6365.2	6589.1	7296.5	9049.5	9401.0	7576.8	6322.2
25°	7275.8	7241.7	7090.4	6870.9	6731.5	6826.4	7329.2	8834.4	9681.2	7759.2	6294.0
27.5°	8227.9	8183.4	7989.1	7662.8	7344.0	7228.3	7565.0	8686.1	9914.1	7898.6	6233.2
30°	9160.7	9102.9	8911.6	8658.0	8192.3	7827.5	7990.6	8751.4	10191.4	8044.0	6153.1
32.5°	10167.7	10112.8	9859.2	9544.8	9159.2	8668.3	8573.4	9070.2	10531.0	8247.2	6096.8
35°	11441.6	11355.6	10995.2	10566.6	10157.3	9660.5	9362.4	9620.4	10983.4	8557.1	6127.9
37.5°	12892.0	12776.3	12387.8	11796.1	11262.2	10706.0	10323.4	10376.8	11646.3	8972.4	6224.3
40°	14259.4	14154.1	13795.2	13237.6	12567.2	11892.5	11484.6	11366.0	12561.3	9478.1	6393.4
42.5°	15079.5	14984.6	14833.3	14597.5	14032.5	13344.3	12829.7	12573.2	13643.9	10083.2	6599.5
45°	15125.5	15042.4	15245.6	15520.0	15408.7	14950.5	14323.1	13853.0	14731.0	10651.2	6813.1
47.5°	14389.9	14333.5	14950.5	15908.5	16386.0	16578.8	16000.5	15026.1	15628.2	11059.0	6900.6
50°	12384.8	12364.1	13633.5	15392.4	16758.3	18005.5	17769.7	16117.6	16323.8	11269.6	6817.5
52.5°	10738.7	10663.0	11403.1	13740.3	16217.0	18755.9	19498.9	17188.4	16810.2	11309.6	6623.2
55°	8144.8	8078.1	9006.5	10975.9	14471.4	18489.0	20764.0	18293.2	17158.7	11207.3	6274.7
57.5°	4369.0	4327.5	5500.6	7305.4	11312.6	16887.3	20992.4	19461.9	17452.3	10935.9	5786.8
60°	1701.0	1693.6	2132.6	3544.5	6875.3	13738.8	19840.0	20163.3	17636.2	10602.2	5379.0
62.5°	1029.2	1051.5	1122.7	1591.3	3037.3	8534.9	17183.9	19365.5	17759.3	10296.7	5042.3
65°	851.3	852.7	861.6	1093.0	1454.9	3571.1	12936.5	16740.5	17455.3	9752.4	4564.8
67.5°	729.7	743.0	777.1	867.6	1026.3	1566.1	7447.8	12967.7	15606.0	8485.9	3820.3
70°	575.4	593.2	636.2	713.3	791.9	980.3	2752.5	8628.3	11922.1	6396.3	2889.0
72.5°	485.0	483.5	505.7	579.9	628.8	689.6	1058.9	4834.7	6928.7	3053.6	1429.6
75°	375.2	390.0	418.2	485.0	514.6	499.8	573.9	1766.3	2482.6	925.4	486.4
77.5°	293.6	305.5	330.7	396.0	425.6	354.4	330.7	631.8	797.9	332.2	219.5
80°	132.0	142.4	225.4	292.2	347.0	244.7	179.4	323.3	354.4	151.3	111.2
82.5°	23.7	40.0	132.0	154.2	178.0	158.7	93.4	167.6	173.5	60.8	38.6
85°	1.5	3.0	46.0	56.4	71.2	51.9	28.2	66.7	57.8	20.8	14.8
87.5°	0.0	0.0	0.0	1.5	1.5	7.4	8.9	11.9	8.9	7.4	5.9
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°	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7	5795.7
2.5°	5702.3	5491.7	5287.0	5119.4	5021.6	4855.5	4745.7	4727.9	4681.9	4722.0
5°	5592.5	5215.8	4834.7	4493.6	4213.3	3851.4	3581.5	3467.3	3368.0	3402.1
7.5°	5540.6	4945.9	4352.7	3769.9	3170.7	2592.3	2162.3	1982.8	1846.4	1865.7
10°	5470.9	4665.6	3735.8	2845.9	2043.6	1472.7	1176.0	1066.3	1005.5	1007.0
12.5°	5417.5	4330.5	3019.5	1929.4	1244.3	940.2	848.3	821.6	803.8	805.3
15°	5390.8	3936.0	2312.1	1285.8	889.8	796.4	774.1	762.3	750.4	748.9
17.5°	5346.3	3497.0	1692.1	938.8	778.6	746.0	726.7	713.3	698.5	695.5
20°	5279.6	2998.7	1236.9	793.4	729.7	704.4	677.7	660.0	642.2	639.2
22.5°	5156.5	2472.2	950.6	734.1	694.1	665.9	633.3	612.5	594.7	591.7
25°	4928.1	1978.4	800.8	697.0	662.9	628.8	593.2	565.0	548.7	545.8
27.5°	4638.9	1554.2	726.7	662.9	622.9	591.7	551.7	525.0	510.2	507.2
30°	4297.8	1196.8	683.7	624.4	575.4	548.7	513.1	490.9	482.0	482.0
32.5°	3930.0	956.6	665.9	585.8	533.9	504.2	476.1	467.2	464.2	462.7
35°	3584.5	830.5	657.0	554.7	496.8	468.6	456.8	458.3	464.2	464.2
37.5°	3277.5	790.5	652.5	532.4	464.2	439.0	446.4	459.7	453.8	453.8
40°	3000.2	794.9	649.6	516.1	437.5	422.7	437.5	427.1	412.3	410.8
42.5°	2788.1	832.0	643.6	502.7	421.2	410.8	404.9	388.6	387.1	390.0
45°	2633.9	864.6	642.2	496.8	403.4	384.1	376.7	360.4	390.0	397.5
47.5°	2451.5	864.6	642.2	476.1	373.7	366.3	354.4	336.6	366.3	373.7
50°	2215.7	809.7	616.9	452.3	350.0	345.5	324.8	302.5	296.6	301.1
52.5°	1917.6	710.4	553.2	419.7	326.3	317.4	292.2	275.8	271.4	271.4
55°	1577.9	594.7	467.2	372.2	301.1	284.7	266.9	259.5	255.1	252.1
57.5°	1282.8	487.9	375.2	330.7	277.3	256.6	250.6	241.7	234.3	229.9
60°	1053.0	384.1	310.0	293.6	253.6	234.3	232.8	221.0	201.7	198.7
62.5°	812.7	281.8	261.0	255.1	229.9	213.6	210.6	186.9	157.2	151.3
65°	573.9	219.5	210.6	223.9	204.7	189.8	182.4	146.8	115.7	111.2
67.5°	403.4	183.9	166.1	195.8	178.0	158.7	154.2	124.6	96.4	93.4
70°	287.7	149.8	136.4	167.6	142.4	139.4	130.5	103.8	78.6	75.6
72.5°	203.2	114.2	105.3	145.3	97.9	120.1	106.8	80.1	59.3	56.4
75°	149.8	81.6	74.2	84.5	71.2	90.5	75.6	53.4	37.1	35.6
77.5°	109.7	51.9	44.5	41.5	41.5	56.4	41.5	22.2	16.3	14.8
80°	77.1	23.7	20.8	17.8	16.3	13.3	5.9	3.0	1.5	1.5
82.5°	46.0	10.4	10.4	7.4	4.4	0.0	0.0	0.0	0.0	0.0
85°	10.4	4.4	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	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)