

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: P951987

Luminaire Tested: **GALN-SB6A-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18708 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - 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

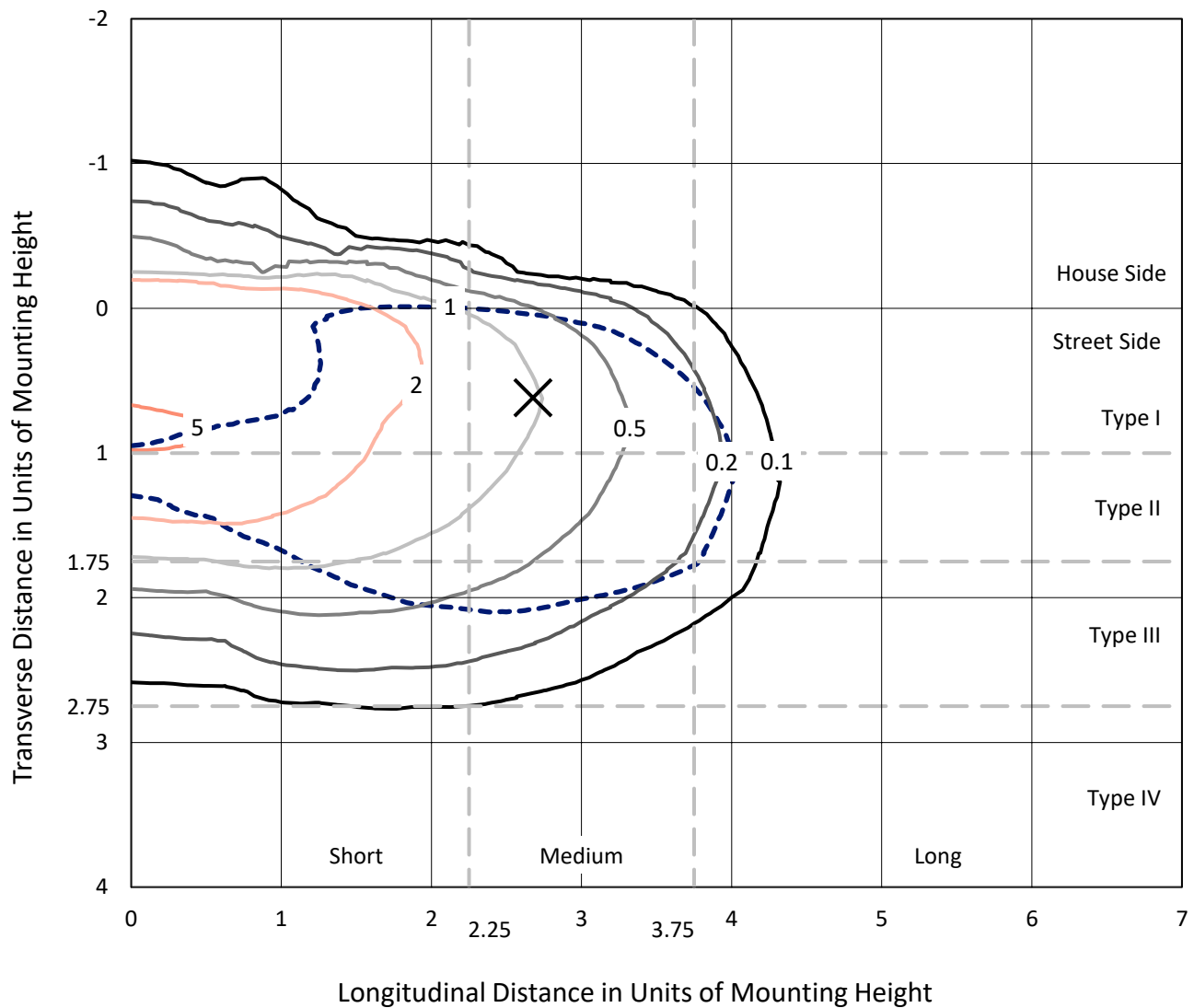


REPORT NUMBER: P951987

CATALOG NUMBER: GALN-SB6A-722-U-T3R-HSS

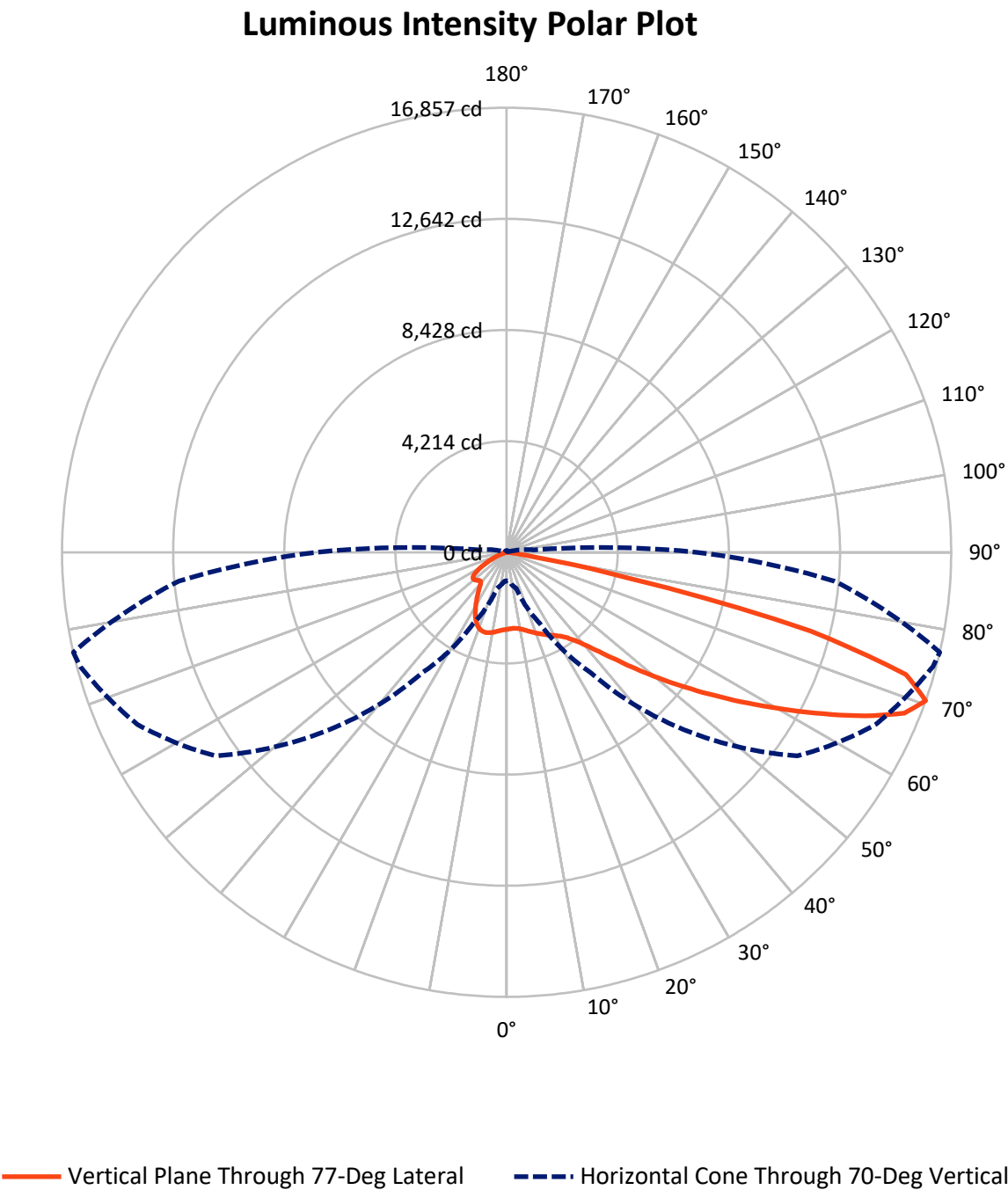
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type III - Medium - N/A

REPORT NUMBER: P951987
CATALOG NUMBER: GALN-SB6A-722-U-T3R-HSS



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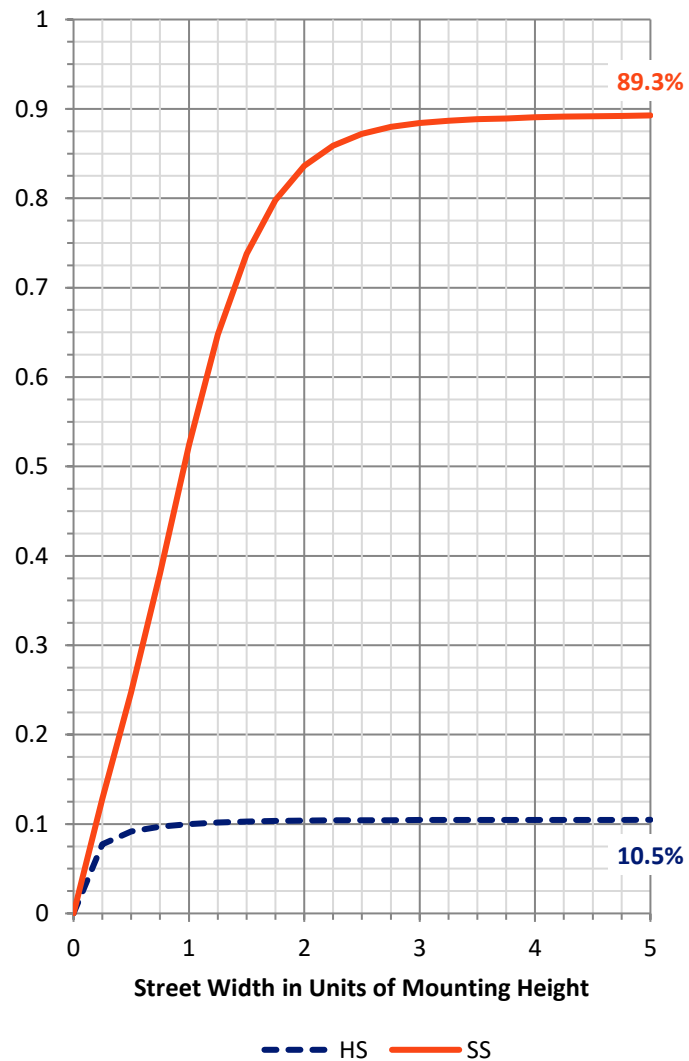
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1972.1	0.0	1972.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	16735.9	0.0	16735.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	18708.0	0.0	18708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.5	1.3
10°-20°	597.0	3.2
20°-30°	923.4	4.9
30°-40°	1675.6	9.0
40°-50°	3162.9	16.9
50°-60°	4570.1	24.4
60°-70°	4864.8	26.0
70°-80°	2578.0	13.8
80°-90°	84.7	0.5
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°	18708.0	100.0
0°-180°	18708.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951987

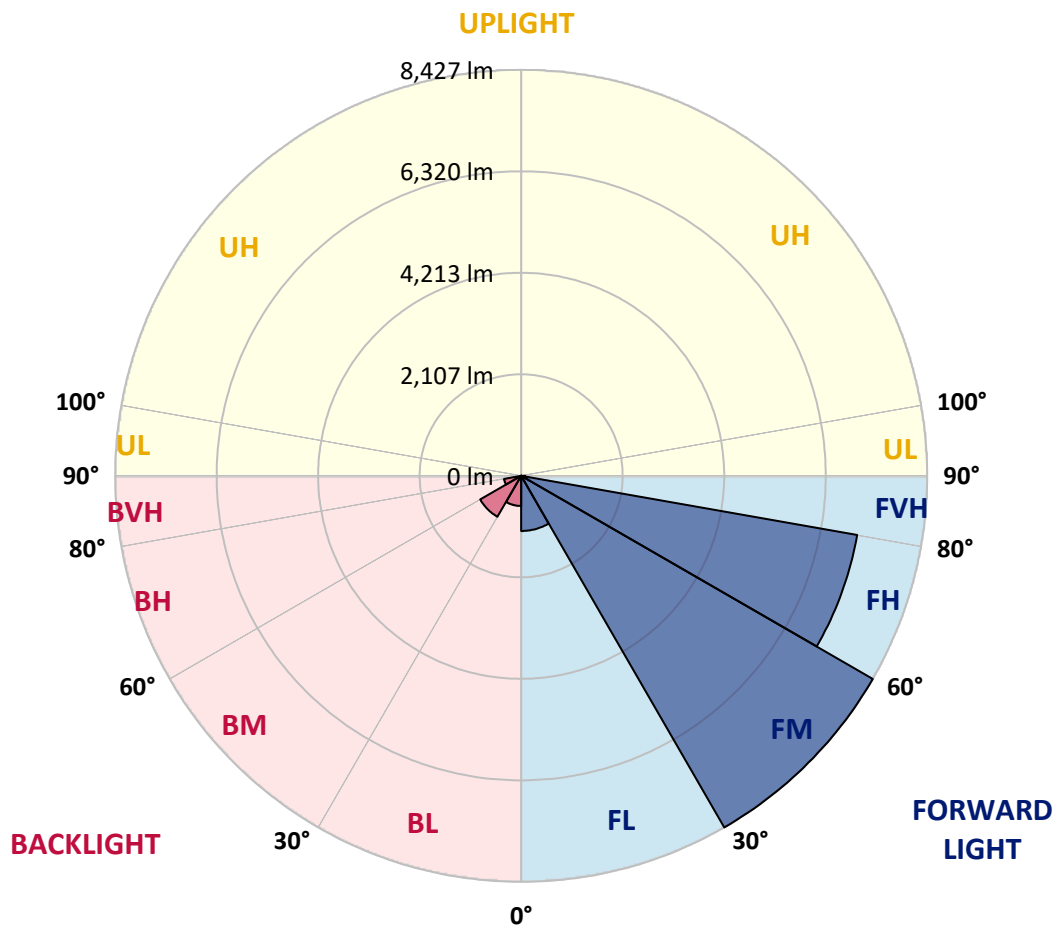
CATALOG NUMBER: GALN-SB6A-722-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1145.4	6.1			
FM	(30°-60°)	8426.9	45.0			
FH	(60°-80°)	7081.2	37.9			G3/7500
FVH	(80°-90°)	82.4	0.4			G1/100
BL	(0°-30°)	626.6	3.3	B2/1000		
BM	(30°-60°)	981.7	5.2	B1/1000		
BH	(60°-80°)	361.5	1.9	B1/500		G1/500
BVH	(80°-90°)	2.3	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-G3

Type III Medium



REPORT NUMBER: P951987

CATALOG NUMBER: GALN-SB6A-722-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1
2.5°	2739.7	2764.5	2761.0	2777.5	2783.4	2807.1	2830.7	2862.6	2898.0	2896.8	2920.5
5°	2584.9	2609.8	2615.7	2638.1	2666.5	2703.1	2751.5	2815.3	2881.5	2892.1	2939.4
7.5°	2401.8	2427.8	2443.2	2488.1	2540.1	2615.7	2694.8	2788.2	2898.0	2913.4	3004.4
10°	2218.7	2242.3	2262.4	2326.2	2408.9	2521.2	2649.9	2784.6	2932.3	2954.7	3083.5
12.5°	2105.3	2127.7	2150.2	2205.7	2308.5	2445.5	2620.4	2801.1	2989.0	3020.9	3191.0
15°	2065.1	2085.2	2102.9	2152.5	2248.2	2404.2	2614.5	2835.4	3061.1	3103.6	3321.0
17.5°	2071.0	2081.7	2093.5	2131.3	2224.6	2385.3	2625.1	2894.5	3146.1	3183.9	3450.9
20°	2105.3	2111.2	2112.4	2138.4	2221.1	2382.9	2646.4	2951.2	3226.5	3277.3	3579.7
22.5°	2149.0	2151.4	2149.0	2166.7	2243.5	2400.6	2674.7	3019.7	3316.2	3363.5	3709.7
25°	2353.4	2308.5	2251.8	2217.5	2281.3	2434.9	2717.3	3111.9	3414.3	3460.4	3836.1
27.5°	2987.8	2859.0	2655.8	2427.8	2359.3	2484.5	2776.3	3205.2	3513.5	3554.9	3971.9
30°	4018.0	3849.1	3504.1	2990.2	2609.8	2588.5	2853.1	3298.5	3618.7	3663.6	4117.3
32.5°	5050.6	5009.2	4611.1	3899.9	3173.3	2820.1	2980.7	3424.9	3758.1	3793.5	4313.4
35°	6095.0	6011.1	5685.0	4982.1	4041.6	3291.4	3193.4	3590.3	3941.2	3981.4	4599.3
37.5°	6894.8	6844.0	6641.9	6063.1	5071.8	4019.2	3557.3	3846.7	4207.0	4251.9	4965.5
40°	7601.3	7577.6	7509.1	7127.5	6223.7	4971.4	4123.2	4243.7	4575.6	4628.8	5414.5
42.5°	8156.5	8212.1	8251.0	8144.7	7411.1	6058.3	4884.0	4801.3	5089.6	5143.9	5986.3
45°	8724.8	8743.7	8900.8	9054.4	8590.1	7194.9	5741.7	5454.6	5728.7	5796.1	6671.5
47.5°	9089.9	9165.5	9441.9	9712.5	9581.3	8321.9	6663.2	6226.1	6469.5	6595.9	7439.4
50°	9117.0	9260.0	9640.4	10111.8	10303.2	9394.7	7665.1	7105.1	7363.8	7503.2	8259.3
52.5°	8664.5	8886.6	9476.2	10166.1	10693.0	10303.2	8701.2	7984.0	8316.0	8498.0	9109.9
55°	6643.1	6933.8	8858.3	9870.8	10708.4	10991.9	9710.1	8899.6	9376.9	9582.5	10029.1
57.5°	5787.8	5934.3	6964.5	9358.0	10423.7	11269.6	10622.2	9771.5	10531.2	10786.4	10897.4
60°	4815.5	5008.0	5840.9	8519.2	10037.4	11296.7	11427.9	10896.2	11782.3	12069.4	11693.7
62.5°	3272.5	3481.6	4309.8	7077.9	9509.3	11283.8	12088.3	12054.0	13172.8	13481.2	12368.3
65°	2027.3	2158.5	2704.3	5779.5	8770.9	11297.9	12779.4	13459.9	14640.2	14953.2	12890.5
67.5°	1602.0	1662.3	1947.0	4437.4	7498.5	10978.9	13469.4	14781.9	16021.3	16269.4	13050.0
70°	1076.3	1112.9	1416.5	2974.8	5578.7	9506.9	13456.4	15445.9	16732.5	16856.5	12468.7
72.5°	567.1	595.4	828.2	1377.5	3369.4	6757.7	11342.8	14652.0	16024.8	15838.1	10657.6
75°	283.5	330.8	557.6	699.4	1439.0	3768.7	7043.6	11551.9	12612.9	11889.8	6838.1
77.5°	215.0	259.9	460.8	460.8	500.9	1268.8	2983.1	6300.5	5811.4	4839.1	2007.2
80°	137.0	177.2	402.9	348.5	209.1	322.5	777.4	1765.0	1234.6	939.2	365.1
82.5°	80.3	115.8	335.5	230.4	117.0	119.3	219.7	375.7	320.2	249.3	112.2
85°	31.9	75.6	230.4	91.0	46.1	29.5	66.2	80.3	66.2	49.6	28.4
87.5°	0.0	17.7	40.2	0.0	3.5	2.4	4.7	5.9	5.9	4.7	9.5
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: P951987

CATALOG NUMBER: GALN-SB6A-722-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1	2918.1
2.5°	2931.1	2933.5	2940.6	2941.7	2925.2	2903.9	2895.7	2892.1	2877.9	2876.8	2879.1
5°	2966.5	2977.2	2966.5	2935.8	2862.6	2759.8	2681.8	2618.0	2560.1	2542.4	2531.8
7.5°	3037.4	3048.1	3016.2	2895.7	2711.4	2507.0	2322.7	2192.7	2075.8	2032.0	2014.3
10°	3139.0	3153.2	3052.8	2809.4	2483.3	2154.9	1843.0	1623.3	1452.0	1382.3	1352.7
12.5°	3266.6	3272.5	3072.9	2678.3	2186.8	1717.8	1275.9	1040.8	888.4	831.7	814.0
15°	3407.2	3398.9	3075.2	2499.9	1782.8	1214.5	832.9	684.0	622.6	603.7	603.7
17.5°	3554.9	3520.6	3028.0	2242.3	1339.7	830.5	617.9	582.4	571.8	567.1	565.9
20°	3700.2	3623.4	2941.7	1905.6	961.7	620.2	561.2	550.5	544.6	542.3	539.9
22.5°	3832.5	3701.4	2794.1	1514.6	698.2	548.2	530.5	521.0	510.4	505.6	504.5
25°	3961.3	3746.3	2586.1	1149.5	558.8	512.7	498.6	480.8	466.7	460.8	458.4
27.5°	4086.5	3774.6	2326.2	850.6	498.6	479.7	453.7	428.9	418.2	415.9	413.5
30°	4220.0	3784.1	2030.9	634.4	461.9	438.3	400.5	372.1	366.2	367.4	367.4
32.5°	4383.1	3798.3	1733.1	519.8	431.2	388.7	343.8	314.3	309.5	314.3	313.1
35°	4578.0	3826.6	1446.1	478.5	404.0	337.9	289.4	264.6	259.9	263.5	262.3
37.5°	4842.6	3872.7	1177.9	470.2	381.6	295.4	243.4	223.3	223.3	224.5	223.3
40°	5194.7	3995.6	938.0	464.3	369.8	263.5	205.6	197.3	200.8	203.2	203.2
42.5°	5623.6	4256.7	776.2	457.2	356.8	249.3	186.7	183.1	189.0	191.4	191.4
45°	6104.4	4587.5	719.5	445.4	345.0	258.7	178.4	173.7	180.8	181.9	183.1
47.5°	6601.8	4911.2	712.4	432.4	333.2	272.9	176.0	165.4	173.7	174.9	176.0
50°	7105.1	5122.6	719.5	412.3	314.3	272.9	177.2	157.1	164.2	167.8	168.9
52.5°	7611.9	5219.5	714.8	368.6	281.2	256.4	177.2	150.0	157.1	159.5	159.5
55°	8103.4	5200.6	642.7	303.6	238.6	226.8	172.5	144.1	148.9	150.0	150.0
57.5°	8492.1	4937.2	509.2	236.3	193.8	189.0	157.1	137.0	140.6	139.4	139.4
60°	8695.3	4358.3	363.9	181.9	152.4	148.9	138.2	127.6	130.0	124.0	122.9
62.5°	8697.6	3592.7	243.4	144.1	121.7	118.1	118.1	114.6	112.2	100.4	96.9
65°	8512.1	2743.3	161.9	114.6	98.1	92.2	99.2	98.1	89.8	73.2	70.9
67.5°	8091.6	1798.1	122.9	89.8	75.6	72.1	79.2	82.7	76.8	61.4	60.3
70°	7226.8	1046.7	101.6	69.7	56.7	53.2	63.8	70.9	63.8	49.6	47.3
72.5°	6002.8	564.7	82.7	52.0	39.0	35.4	50.8	57.9	50.8	36.6	35.4
75°	3895.1	302.4	63.8	34.3	20.1	22.4	37.8	42.5	35.4	23.6	21.3
77.5°	1307.8	133.5	40.2	16.5	9.5	9.5	22.4	26.0	16.5	8.3	7.1
80°	291.8	55.5	16.5	7.1	3.5	3.5	4.7	4.7	2.4	0.0	0.0
82.5°	95.7	22.4	7.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	36.6	8.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.2	1.2	0.0	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	0.0

(END OF REPORT)