

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: P648125

Luminaire Tested: **GALN-SA8A-835-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8A-835-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25241.6 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

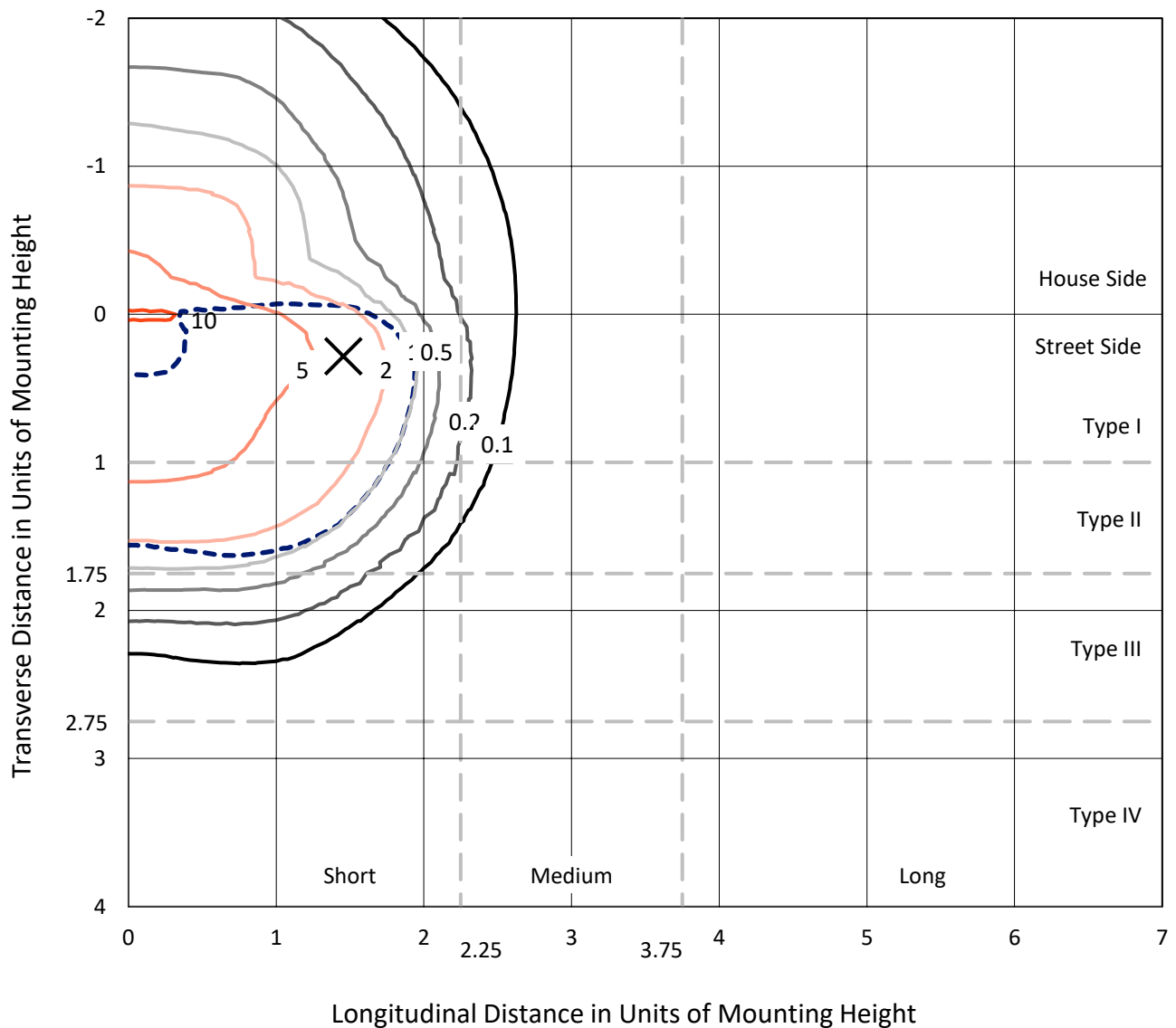
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

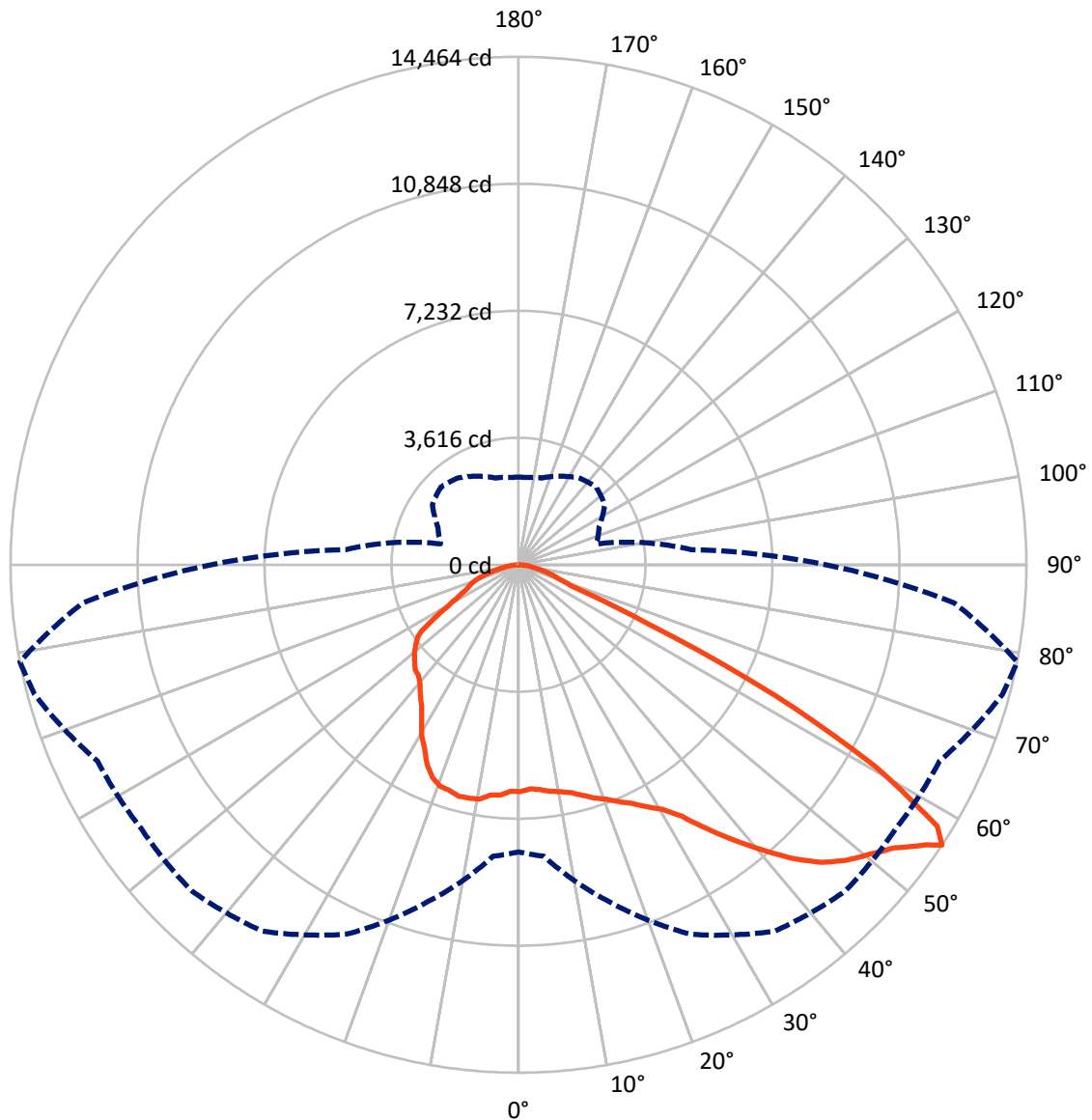
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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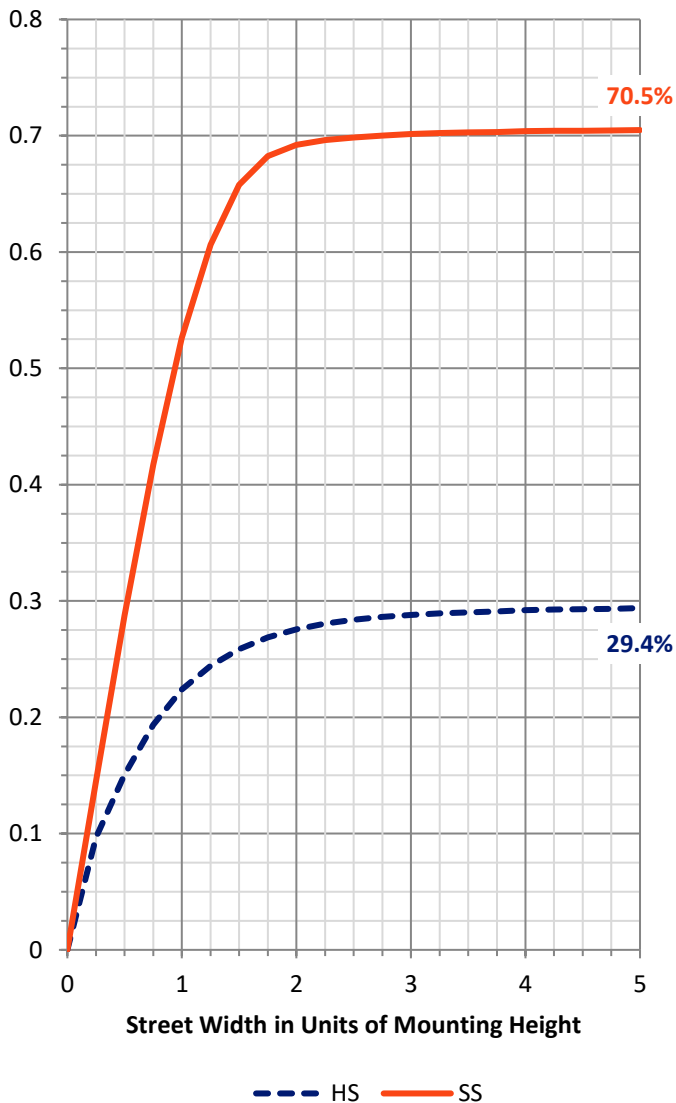
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7454.4	0.0	7454.4
	% Fixture	29.5	0.0	29.5
<b>Street Side</b>	Lumens	17787.2	0.0	17787.2
	% Fixture	70.5	0.0	70.5
<b>Total</b>	Lumens	25241.6	0.0	25241.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	587.2	2.3
10°-20°	1607.0	6.4
20°-30°	2749.2	10.9
30°-40°	4213.5	16.7
40°-50°	5694.5	22.6
50°-60°	6540.3	25.9
60°-70°	2981.3	11.8
70°-80°	735.0	2.9
80°-90°	133.6	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°	25241.6	100.0
0°-180°	25241.6	100.0

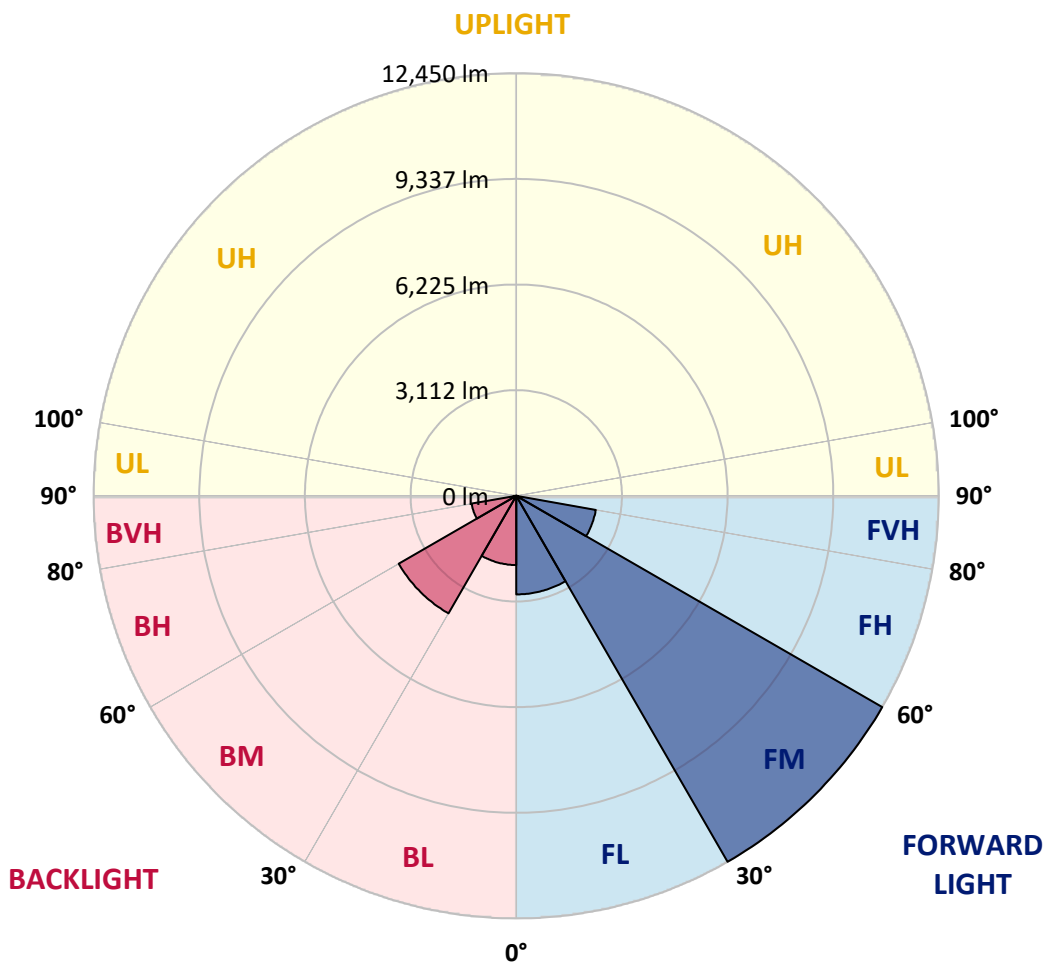


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2904.2	11.5			
FM (30°-60°)	12449.9	49.3			
FH (60°-80°)	2379.7	9.4			G2/5000
FVH (80°-90°)	53.3	0.2			G1/100
BL (0°-30°)	2039.1	8.1	B3/2500		
BM (30°-60°)	3998.4	15.8	B3/5000		
BH (60°-80°)	1336.6	5.3	B3/2500		G3/2500
BVH (80°-90°)	80.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3
2.5°	6143.9	6128.1	6165.9	6194.2	6228.8	6272.8	6294.9	6307.4	6417.5	6389.1	6474.1
5°	6011.8	5970.9	5999.3	6021.3	6081.0	6134.5	6194.2	6288.5	6389.1	6433.1	6537.0
7.5°	5895.5	5873.5	5867.2	5882.9	5964.7	6033.9	6137.6	6276.0	6439.5	6511.7	6571.5
10°	5703.7	5672.3	5719.4	5823.2	5845.2	5989.8	6109.3	6307.4	6448.9	6574.7	6750.7
12.5°	5618.8	5587.3	5596.8	5656.5	5810.6	5948.9	6090.4	6313.7	6612.4	6662.7	6898.5
15°	5754.0	5722.6	5732.0	5716.3	5864.0	5936.4	6159.6	6439.5	6725.6	6810.5	7062.0
17.5°	6062.1	6065.3	6024.4	5989.8	5955.3	6109.3	6263.4	6515.0	6769.6	6983.4	7172.0
20°	6650.1	6546.3	6464.6	6269.6	6216.2	6282.2	6477.2	6719.3	6948.8	7124.9	7338.7
22.5°	7102.9	7112.3	6996.0	6675.3	6559.0	6587.2	6753.8	6951.9	7203.5	7329.3	7574.5
25°	7760.1	7694.0	7568.2	7313.5	7052.6	7074.6	7197.3	7376.4	7445.6	7533.6	7801.0
27.5°	8360.6	8379.4	8131.1	7892.1	7568.2	7505.4	7725.5	7756.9	7640.6	7807.2	7898.4
30°	8970.6	8954.9	8791.4	8511.5	8193.9	8206.5	8304.0	8149.9	7989.6	8080.8	8143.7
32.5°	9602.6	9423.3	9417.1	9165.6	8923.5	8807.1	8687.6	8763.1	8514.7	8533.5	8473.8
35°	10108.8	10134.0	9989.4	9810.1	9690.6	9486.3	9159.2	9294.4	9247.3	9225.3	8967.5
37.5°	10476.7	10379.2	10451.6	10391.8	10278.6	10023.9	9684.3	9813.3	9835.3	9942.1	9643.4
40°	10778.5	10737.7	10929.4	10960.9	10882.3	10332.1	9722.0	10105.6	10435.8	10668.5	10313.2
42.5°	10923.2	11011.3	11212.5	11454.6	11278.5	10690.5	9917.0	10328.9	11064.7	11432.6	10948.3
45°	11118.1	11004.9	11303.6	11747.0	11750.1	10992.4	10105.6	10630.8	11555.2	12089.7	11382.2
47.5°	10920.0	10976.6	11284.8	11847.6	11992.2	11309.9	10615.1	11058.4	12096.0	12570.8	11784.7
50°	10476.7	10589.9	11152.7	11737.6	12174.6	11646.3	11199.9	11520.6	12595.9	12957.5	11850.7
52.5°	10014.5	10077.4	10957.8	11822.4	12256.4	12080.3	11982.8	12158.9	13205.9	13394.5	11932.5
55°	8756.8	9055.5	10313.2	11784.7	12655.6	12863.2	12787.7	13045.6	13897.6	14086.3	12379.0
56°	8175.1	8332.3	9926.4	11608.6	12734.2	13149.3	13111.6	13227.9	14265.6	14463.6	12448.1
57.5°	7099.8	7112.3	8464.4	10828.8	12438.7	13234.2	13196.4	13287.7	14193.2	14058.0	11841.3
60°	4442.8	4637.8	5760.3	8329.2	10577.3	12278.4	12492.1	11759.6	11967.1	11681.0	9212.7
62.5°	2301.6	2273.3	3018.5	4870.5	7021.2	8791.4	8989.5	8954.9	8634.1	8215.9	6018.1
65°	1147.6	1153.9	1578.4	2411.6	3597.0	4603.2	5156.6	5216.3	4364.2	4015.2	2855.0
67.5°	833.3	864.7	1135.1	1474.6	1694.7	1896.0	2323.6	2279.6	1726.2	1641.3	1521.8
70°	647.7	676.0	921.3	1125.6	1021.9	1021.9	1113.0	1150.8	1229.4	1264.0	1304.9
72.5°	471.6	493.7	704.3	776.7	669.7	720.0	833.3	921.3	1003.0	1015.6	1062.8
75°	323.8	342.7	462.2	427.6	402.5	496.8	610.0	691.7	751.4	782.9	811.2
77.5°	210.6	217.0	264.1	223.2	257.8	320.7	396.2	465.3	525.1	550.2	556.6
80°	94.4	103.7	113.2	141.5	179.2	229.5	283.0	339.6	377.3	386.7	405.6
82.5°	53.5	53.5	69.1	100.6	132.1	166.6	204.4	245.2	289.2	298.7	295.6
85°	28.3	28.3	40.9	59.7	81.7	97.5	94.4	97.5	103.7	119.5	116.4
87.5°	9.4	9.4	12.6	12.6	15.7	18.9	15.7	22.0	28.3	28.3	28.3
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3	6458.3
2.5°	6448.9	6477.2	6439.5	6521.2	6521.2	6505.5	6426.9	6452.0	6470.9	6470.9	6486.6
5°	6571.5	6562.1	6587.2	6489.7	6430.0	6408.0	6279.1	6216.2	6162.8	6159.6	6112.4
7.5°	6640.7	6615.6	6606.1	6533.7	6269.6	6109.3	5832.6	5672.3	5637.7	5515.1	5562.2
10°	6750.7	6797.9	6750.7	6357.7	5989.8	5621.9	5351.6	5103.1	5005.6	4927.0	4879.9
12.5°	6977.2	6955.1	6681.6	6150.2	5634.5	5197.5	4795.0	4534.0	4436.6	4367.4	4361.1
15°	7168.9	7058.9	6640.7	5823.2	5081.1	4615.8	4285.6	4100.1	4056.1	4062.4	4090.7
17.5°	7234.9	7159.5	6426.9	5483.6	4669.3	4122.1	3968.1	3939.7	3980.6	4027.8	4040.4
20°	7338.7	7219.3	6338.9	5021.4	4159.8	3814.0	3804.6	3905.2	3980.6	4049.8	4059.2
22.5°	7555.6	7253.8	6052.7	4584.3	3810.9	3722.8	3814.0	3898.9	4015.2	4071.8	4021.5
25°	7618.6	7178.4	5650.2	4059.2	3590.8	3666.2	3763.6	3880.0	3961.7	3993.2	4015.2
27.5°	7672.0	7062.0	5106.3	3710.2	3521.5	3663.0	3763.6	3861.1	3905.2	3933.5	3958.6
30°	7823.0	7027.4	4634.7	3477.5	3477.5	3600.2	3729.1	3754.3	3814.0	3848.6	3892.6
32.5°	7898.4	6788.5	4150.4	3329.8	3433.5	3631.6	3641.0	3688.2	3691.4	3719.6	3672.5
35°	8096.5	6618.7	3700.8	3222.9	3452.4	3600.2	3647.4	3619.0	3465.0	3389.5	3405.3
37.5°	8241.2	6533.7	3376.9	3210.3	3455.5	3634.8	3659.9	3446.1	3285.8	3160.0	3191.4
40°	8631.0	6323.1	3131.7	3188.3	3483.9	3672.5	3603.3	3370.7	3081.3	2952.5	2930.5
42.5°	8929.7	6172.2	2977.6	3163.2	3505.9	3726.0	3575.0	3219.7	2924.2	2804.7	2836.1
45°	9275.6	6137.6	2895.8	3169.4	3543.6	3754.3	3540.4	3103.4	2789.0	2741.8	2732.4
47.5°	9398.2	5889.2	2807.8	3115.9	3534.1	3744.9	3424.1	3015.3	2738.6	2745.0	2770.1
50°	9193.8	5634.5	2741.8	3005.9	3471.3	3659.9	3241.7	2899.0	2710.4	2789.0	2833.0
52.5°	8932.9	5373.6	2606.6	2858.1	3342.3	3527.9	3156.8	2892.7	2682.1	2656.9	2666.3
55°	9011.5	5159.7	2417.9	2656.9	3134.8	3282.6	3062.5	2833.0	2612.9	2518.5	2550.0
56°	8756.8	4939.6	2295.3	2531.1	2993.3	3125.4	3015.3	2779.5	2556.3	2493.4	2493.4
57.5°	8036.7	4200.7	2134.9	2329.9	2694.6	2851.8	2924.2	2748.1	2493.4	2383.4	2386.5
60°	5926.9	2987.1	1914.8	2053.2	2232.4	2358.2	2694.6	2660.1	2336.2	2260.8	2232.4
62.5°	3653.6	2182.1	1757.7	1811.1	1902.3	2006.0	2351.9	2408.5	2169.5	2087.8	2068.9
65°	2046.9	1669.6	1638.2	1660.2	1704.2	1757.7	1952.6	2078.4	1914.8	1789.1	1782.8
67.5°	1496.7	1493.5	1518.7	1537.6	1556.4	1556.4	1603.6	1653.9	1631.9	1531.2	1521.8
70°	1330.0	1339.5	1358.3	1361.5	1367.7	1345.7	1308.0	1292.3	1317.5	1254.5	1242.0
72.5°	1097.4	1128.8	1150.8	1153.9	1119.4	1091.0	1040.8	987.3	968.4	955.9	952.7
75°	842.7	864.7	874.1	870.9	858.4	817.5	757.8	704.3	669.7	632.0	650.8
77.5°	569.1	600.6	616.3	616.3	597.4	534.6	506.2	465.3	430.7	389.9	396.2
80°	399.3	421.3	446.5	443.3	411.9	380.5	339.6	301.8	273.6	242.1	239.0
82.5°	298.7	311.3	323.8	317.6	295.6	264.1	235.8	201.2	169.8	147.8	147.8
85°	106.9	116.4	141.5	147.8	160.4	160.4	135.2	113.2	91.2	75.5	75.5
87.5°	31.5	31.5	34.6	34.6	31.5	34.6	28.3	31.5	34.6	22.0	22.0
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)