

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: P947699

Luminaire Tested: **GALN-SB3A-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9414 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 84.7
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

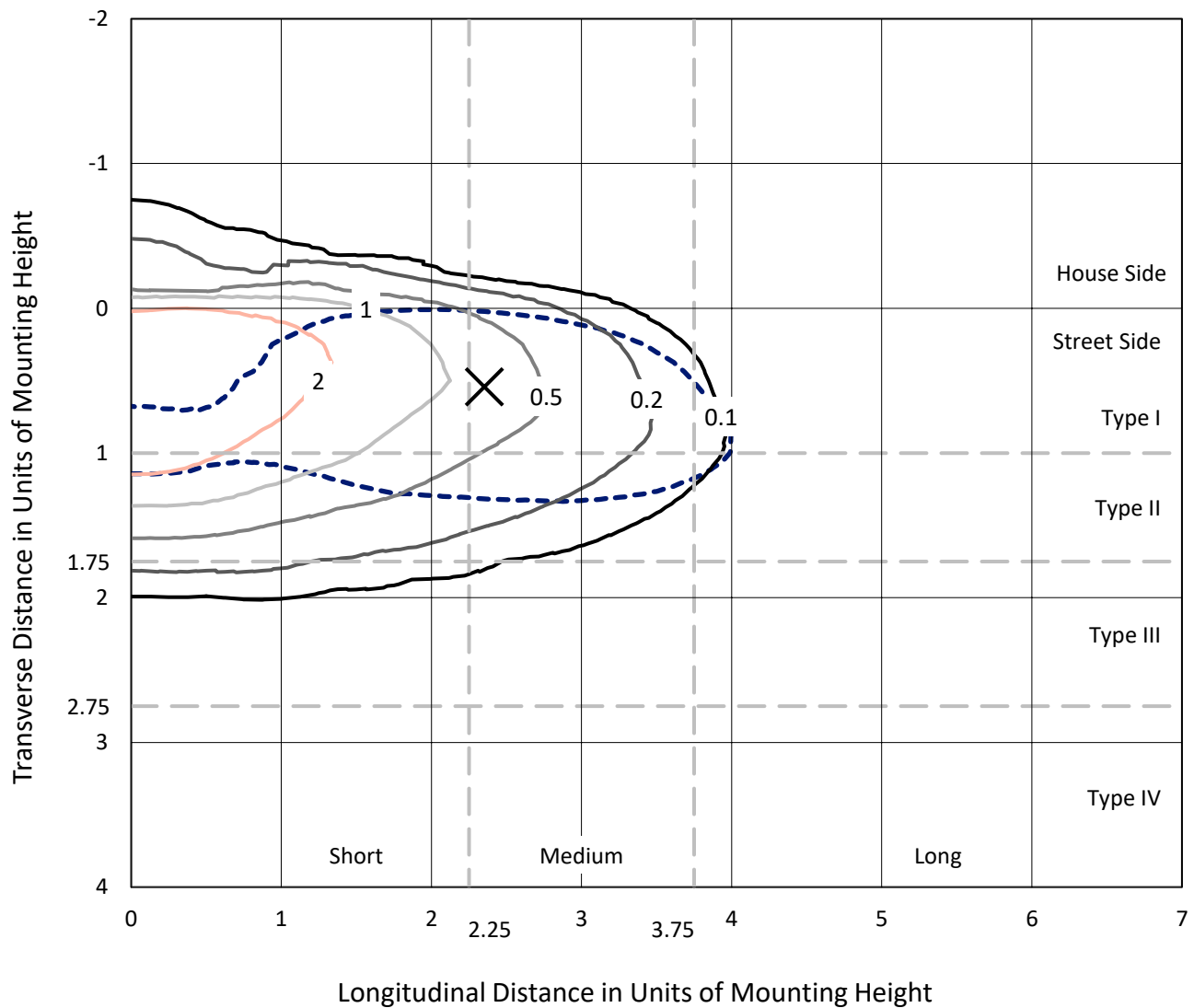


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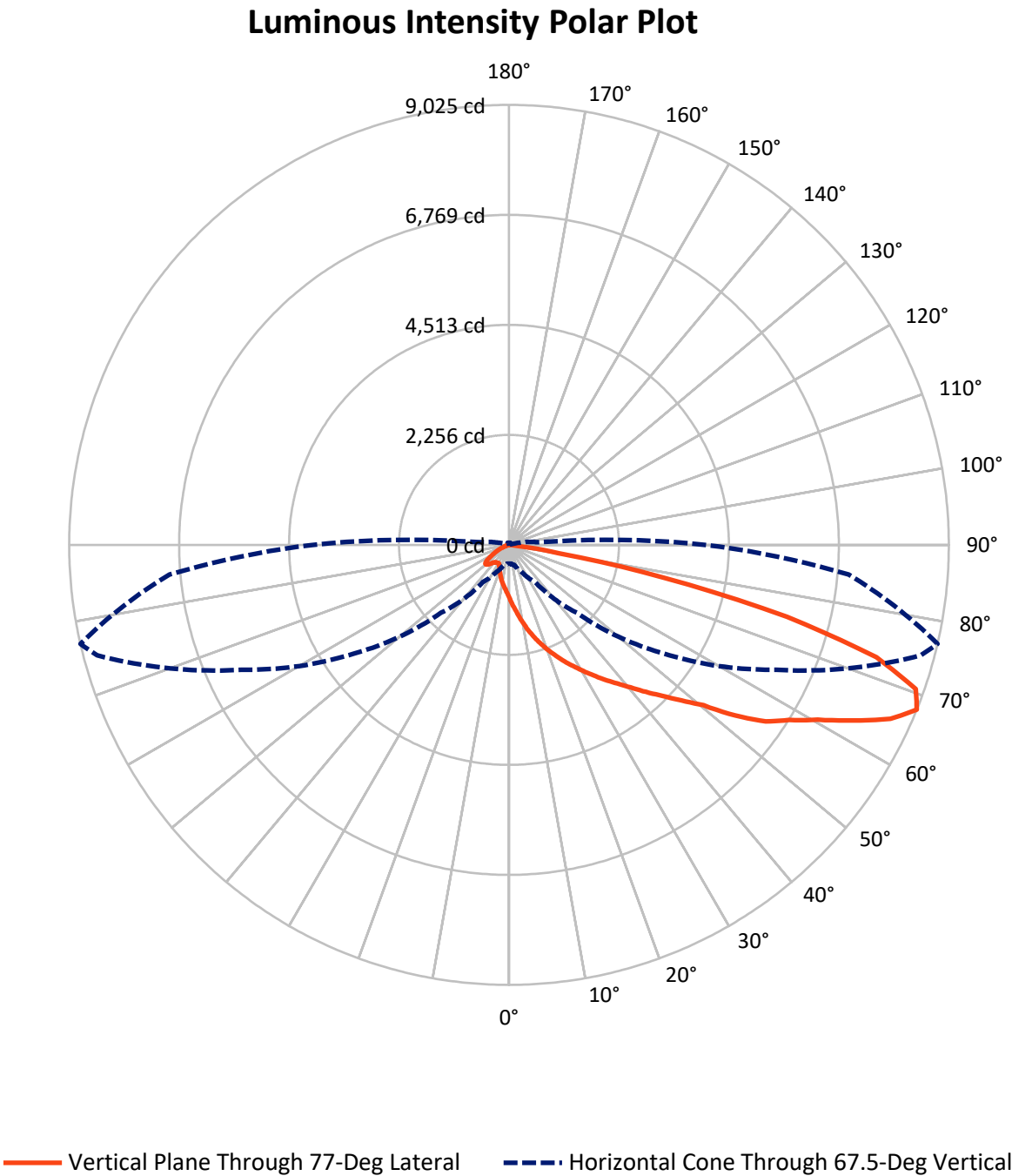
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

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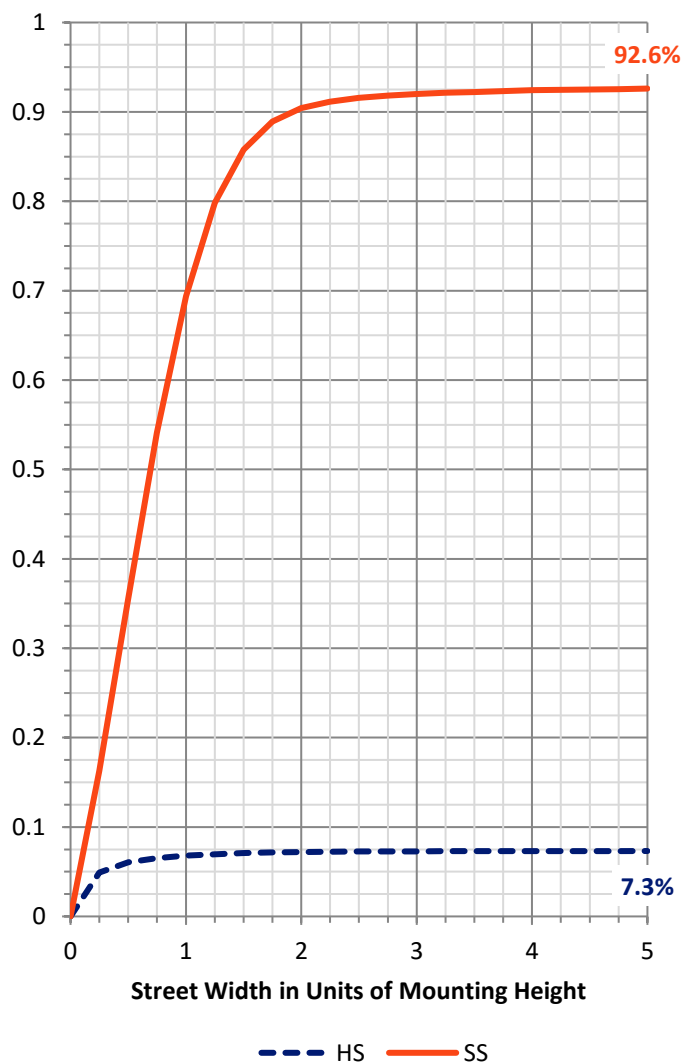
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	692.6	0.0	692.6
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	8721.4	0.0	8721.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	9414.0	0.0	9414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.2
10°-20°	388.0	4.1
20°-30°	748.8	8.0
30°-40°	1299.9	13.8
40°-50°	1887.3	20.0
50°-60°	2167.4	23.0
60°-70°	1881.7	20.0
70°-80°	886.3	9.4
80°-90°	43.8	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°	9414.0	100.0
0°-180°	9414.0	100.0

Coefficient of Utilization



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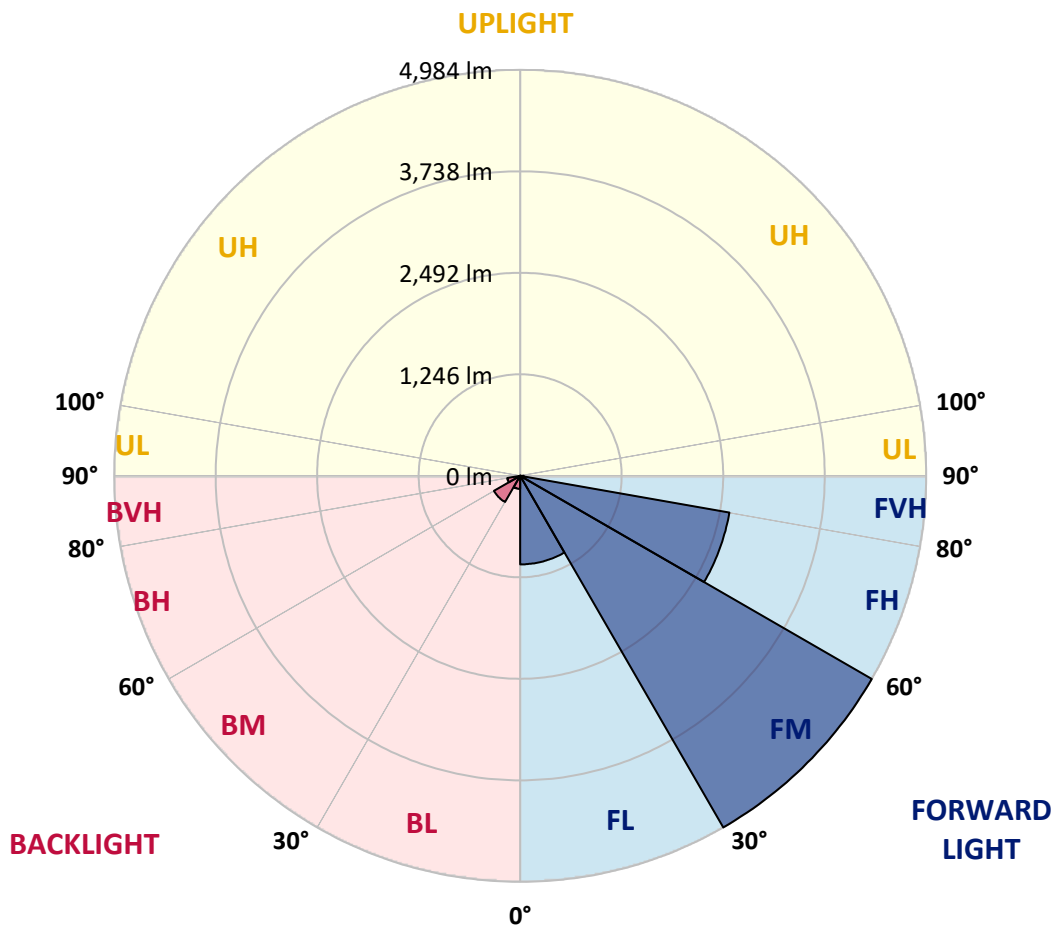
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1087.2	11.5			
FM	(30°-60°)	4983.5	52.9			
FH	(60°-80°)	2607.7	27.7			G2/5000
FVH	(80°-90°)	43.0	0.5			G1/100
BL	(0°-30°)	160.3	1.7	B1/500		
BM	(30°-60°)	371.1	3.9	B1/1000		
BH	(60°-80°)	160.3	1.7	B1/500		G1/500
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6
2.5°	1503.0	1512.3	1498.9	1473.2	1434.6	1409.4	1348.1	1290.2	1225.9	1205.4	1141.1
5°	1832.1	1840.3	1825.1	1797.0	1745.6	1696.5	1615.8	1494.8	1369.1	1328.8	1214.8
7.5°	2075.9	2080.5	2074.7	2049.0	1999.9	1944.3	1854.3	1711.1	1524.6	1480.2	1305.4
10°	2251.2	2266.4	2264.7	2254.7	2222.0	2177.0	2081.1	1918.0	1698.8	1641.5	1407.7
12.5°	2367.6	2384.5	2394.5	2416.7	2414.9	2386.3	2302.1	2129.6	1872.4	1805.2	1522.8
15°	2401.5	2419.6	2457.6	2509.0	2554.6	2569.2	2510.2	2337.2	2063.6	1977.6	1640.9
17.5°	2382.2	2410.2	2455.8	2537.1	2637.1	2703.1	2696.7	2537.7	2237.2	2139.0	1756.7
20°	2424.9	2451.7	2487.4	2555.8	2672.1	2792.0	2839.9	2729.4	2409.7	2306.8	1878.3
22.5°	2661.0	2656.3	2659.9	2671.0	2740.5	2859.2	2958.0	2903.6	2580.4	2475.1	2006.9
25°	3035.2	3014.1	2978.5	2918.2	2900.7	2958.0	3060.9	3058.0	2760.4	2647.6	2138.4
27.5°	3464.2	3460.7	3377.1	3232.2	3150.3	3128.1	3177.2	3208.2	2938.7	2818.3	2270.5
30°	3875.2	3884.6	3771.7	3610.4	3460.2	3373.0	3328.6	3350.8	3119.9	3002.4	2406.7
32.5°	4233.0	4242.9	4120.1	3931.3	3745.4	3640.2	3546.7	3491.7	3317.5	3189.5	2556.4
35°	4535.2	4545.1	4404.3	4195.6	3997.4	3902.1	3796.3	3646.1	3516.3	3397.0	2723.0
37.5°	4805.3	4802.4	4613.5	4403.1	4208.4	4133.0	4077.5	3836.0	3720.9	3605.7	2907.7
40°	4964.9	4977.1	4815.8	4583.7	4394.9	4340.0	4336.4	4071.6	3957.0	3845.4	3110.0
42.5°	5011.6	5033.3	4916.4	4725.8	4554.5	4494.9	4586.6	4326.5	4231.8	4123.1	3338.6
45°	4927.5	4948.5	4895.3	4763.2	4663.2	4624.6	4801.8	4590.7	4525.3	4417.7	3596.4
47.5°	4681.9	4708.2	4721.1	4693.0	4691.9	4731.0	4994.7	4869.0	4873.7	4763.8	3895.1
50°	4206.7	4251.1	4369.2	4468.6	4622.3	4815.2	5182.3	5170.6	5266.5	5171.8	4284.4
52.5°	3342.7	3405.8	3812.7	4084.5	4430.0	4799.4	5388.7	5654.7	5955.7	5817.2	4833.3
55°	2686.2	2686.2	3017.0	3525.6	4054.7	4695.4	5478.7	5969.2	6425.2	6392.4	5219.8
57.5°	2189.9	2216.2	2427.2	2876.7	3511.6	4447.5	5534.3	6166.8	6803.4	6779.4	5597.4
60°	1351.6	1408.3	1806.9	2250.6	2893.7	4006.2	5499.2	6366.7	7262.3	7281.6	6052.2
62.5°	761.1	782.2	959.9	1619.3	2250.1	3412.8	5230.9	6478.4	7849.2	7931.1	6521.0
65°	525.5	536.1	604.5	1007.8	1559.7	2717.1	4706.5	6408.8	8437.3	8602.7	6918.6
67.5°	381.7	387.0	429.7	615.6	925.4	1970.0	3884.6	6058.0	8748.9	9025.4	6994.5
70°	293.5	297.0	328.0	404.5	546.6	1215.9	2821.2	5360.6	8523.2	8853.5	6605.2
72.5°	238.5	242.0	266.0	299.3	362.4	719.0	1709.9	4353.4	7527.1	7883.7	5623.1
75°	201.1	205.8	227.4	249.0	284.1	461.8	802.0	3031.7	5660.5	5894.4	3910.3
77.5°	111.7	102.9	184.7	206.4	239.7	292.3	375.3	1784.2	3170.2	3235.1	1735.0
80°	69.6	71.9	146.7	166.0	184.1	147.3	171.9	686.9	1099.0	1044.1	336.1
82.5°	4.1	9.4	112.8	119.8	126.3	63.1	64.9	233.2	264.8	243.2	59.6
85°	0.0	0.0	51.4	41.5	43.8	18.1	18.7	54.4	35.7	38.6	11.7
87.5°	0.0	0.0	0.0	1.2	0.0	1.8	3.5	4.7	1.8	2.3	4.1
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°	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6
2.5°	1100.2	1059.3	976.3	895.0	828.9	767.6	723.7	682.2	661.2	660.0	658.8
5°	1133.5	1047.6	881.6	734.8	616.7	522.0	460.7	416.8	394.6	387.0	385.8
7.5°	1180.3	1051.1	798.5	594.5	455.4	374.1	339.1	325.0	320.4	315.1	313.9
10°	1239.3	1059.3	724.3	478.8	358.9	318.0	304.0	298.1	294.6	291.1	290.0
12.5°	1305.4	1066.9	650.6	397.5	315.7	294.6	284.7	277.7	273.0	268.9	267.7
15°	1369.7	1071.5	574.1	340.8	293.5	276.5	266.0	258.4	252.0	247.3	246.7
17.5°	1433.4	1078.0	502.2	306.9	275.3	258.4	247.9	238.5	233.2	228.0	227.4
20°	1504.1	1076.8	434.3	282.9	257.2	240.3	229.2	220.4	215.1	209.3	208.7
22.5°	1569.6	1071.0	374.7	262.5	238.5	222.1	209.9	201.1	195.8	191.2	190.6
25°	1645.0	1066.3	325.0	243.8	221.0	204.6	191.2	183.0	177.1	173.0	172.5
27.5°	1717.5	1059.3	288.8	226.8	204.0	188.2	175.4	166.0	160.8	157.8	157.8
30°	1788.8	1057.5	275.3	210.5	188.8	173.0	160.2	151.4	147.3	146.1	145.6
32.5°	1874.8	1062.2	281.2	204.6	174.8	159.0	146.7	140.3	136.2	136.2	136.2
35°	1966.5	1061.0	290.0	209.9	165.4	145.0	135.6	131.5	127.4	127.4	127.4
37.5°	2081.7	1062.8	297.0	218.6	161.9	133.3	128.0	122.8	120.4	120.4	120.4
40°	2253.6	1120.6	293.5	226.2	160.8	125.1	114.6	112.8	111.1	111.1	111.1
42.5°	2464.0	1246.3	298.1	226.8	160.2	119.3	105.2	108.7	104.6	104.1	103.5
45°	2694.3	1383.7	328.0	214.5	159.6	116.3	100.5	104.6	98.2	98.2	98.2
47.5°	2922.9	1519.9	358.4	197.0	157.8	115.7	96.5	94.1	92.4	92.9	92.9
50°	3238.0	1631.0	370.0	173.0	153.7	114.6	88.9	89.4	88.3	89.4	89.4
52.5°	3581.2	1654.4	356.0	146.1	142.1	111.1	83.6	85.9	85.3	86.5	86.5
55°	3795.1	1629.2	294.0	121.6	123.9	97.0	78.3	83.0	83.0	83.0	83.0
57.5°	4016.1	1522.3	208.7	98.8	102.9	79.5	73.7	80.1	79.5	78.9	78.9
60°	4175.1	1349.2	137.4	81.3	81.8	65.5	68.4	75.4	74.8	71.9	71.9
62.5°	4293.8	1158.1	88.3	69.0	62.6	59.0	62.6	68.4	66.1	59.6	58.5
65°	4280.3	893.2	67.8	59.0	51.4	51.4	54.4	59.6	52.6	42.1	40.9
67.5°	4030.7	604.5	56.1	49.7	43.3	42.7	45.0	49.7	45.0	35.7	34.5
70°	3584.7	395.2	45.0	38.6	34.5	31.6	36.2	42.7	38.0	28.6	27.5
72.5°	2909.5	240.8	33.9	28.1	25.1	20.5	28.6	35.1	30.4	21.0	19.9
75°	1882.4	122.8	23.4	18.1	13.4	12.3	21.0	26.3	21.0	12.9	11.1
77.5°	720.2	51.4	12.9	8.2	7.0	5.8	11.7	15.8	8.8	2.9	2.3
80°	138.5	21.6	6.4	4.1	3.5	2.3	1.8	1.2	0.0	0.0	0.0
82.5°	24.0	7.0	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.0	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)