

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: P948056

Luminaire Tested: **GALN-SB3B-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948056
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-SB3B-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA 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: 11817 lumens
Efficiency: N/A
Efficacy: 108.2 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): 109.2
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

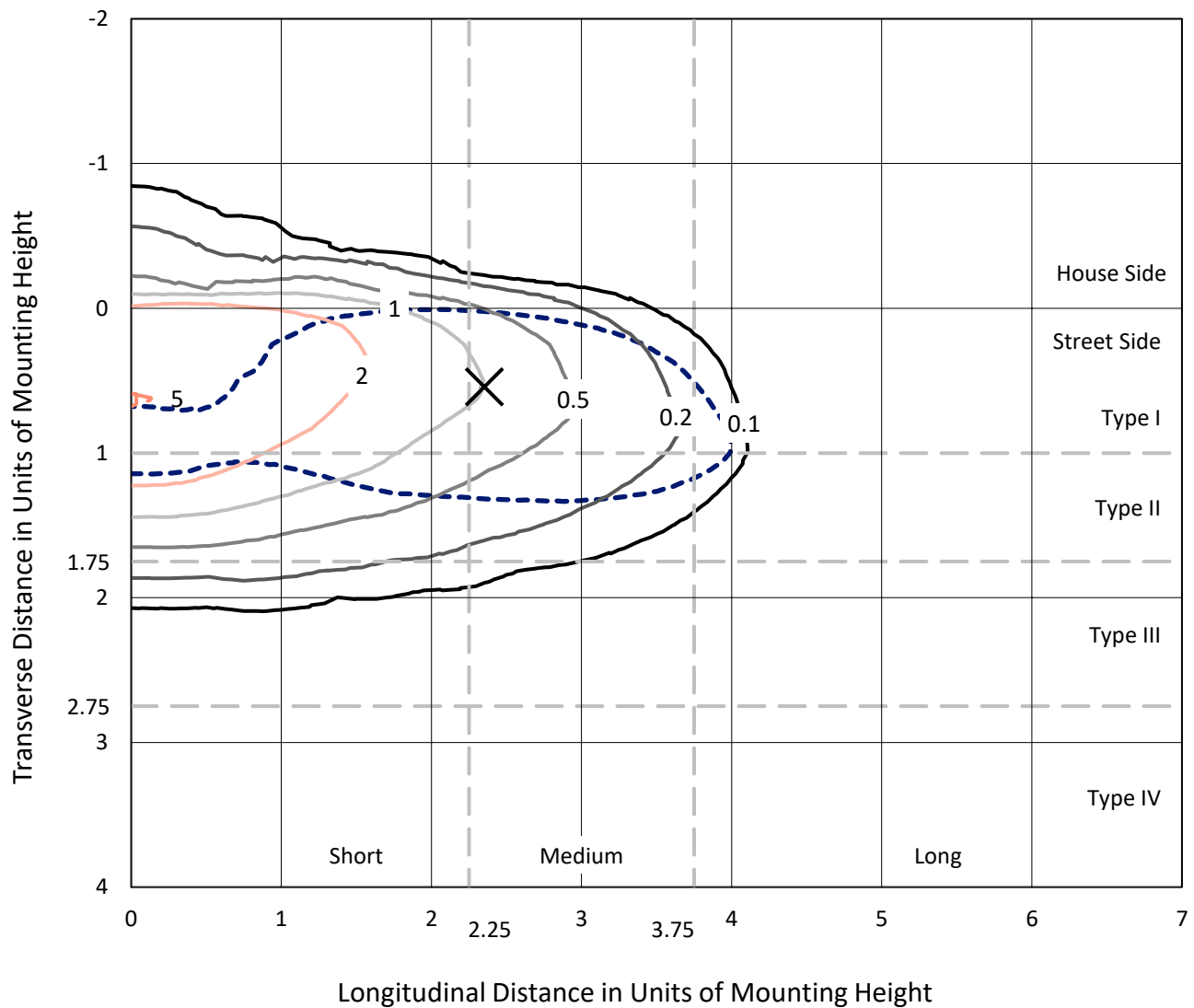


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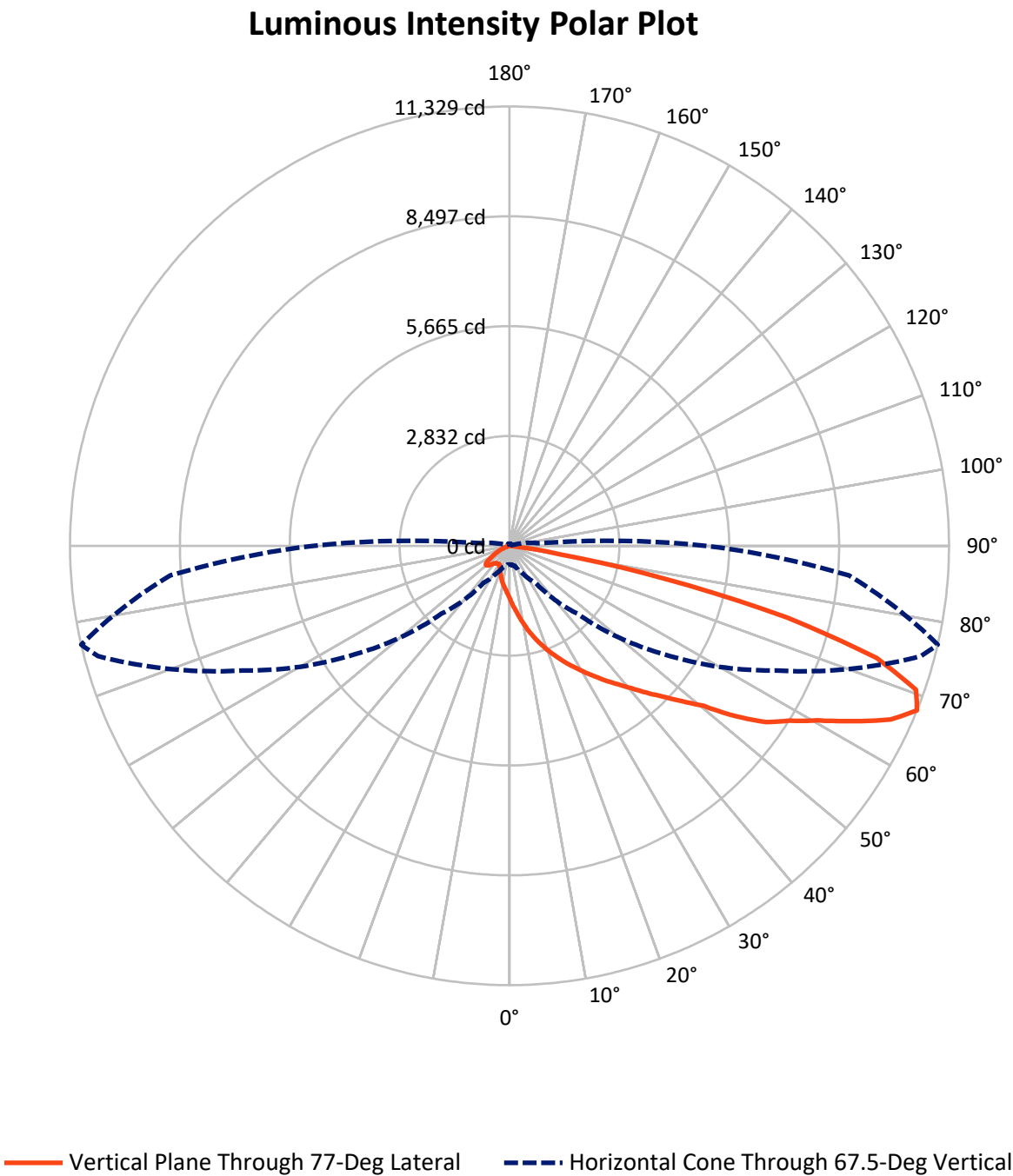
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type II - Medium - N/A

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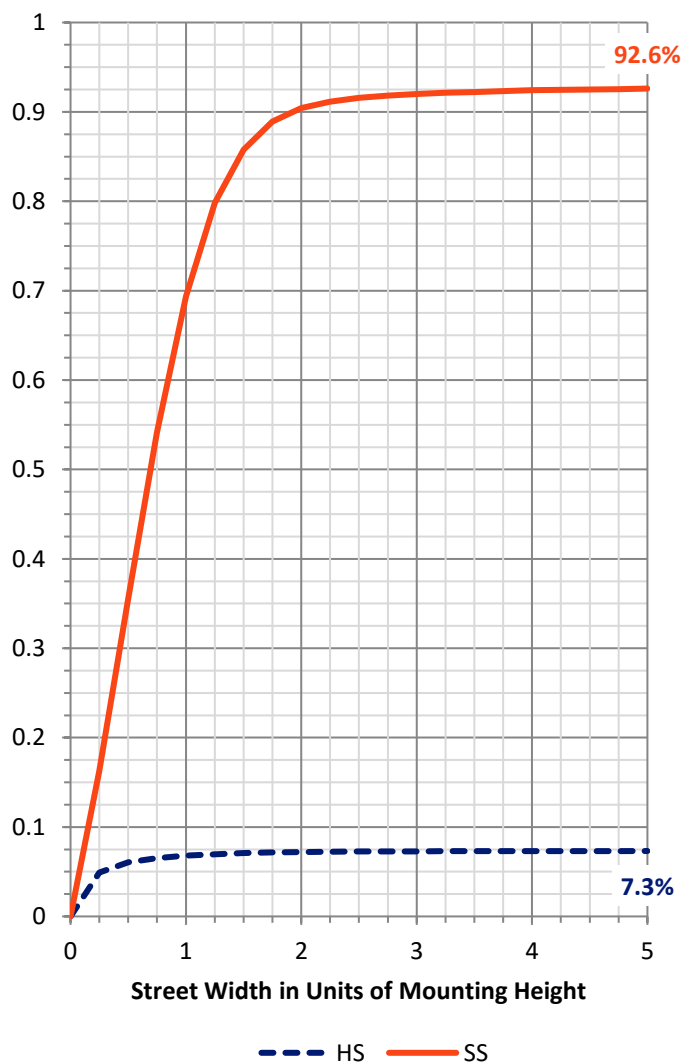
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	869.4	0.0	869.4
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	10947.6	0.0	10947.6
	% Fixture	92.6	0.0	92.6
Total	Lumens	11817.0	0.0	11817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	1.2
10°-20°	487.1	4.1
20°-30°	939.9	8.0
30°-40°	1631.7	13.8
40°-50°	2369.1	20.0
50°-60°	2720.6	23.0
60°-70°	2362.0	20.0
70°-80°	1112.5	9.4
80°-90°	55.0	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°	11817.0	100.0
0°-180°	11817.0	100.0

Coefficient of Utilization



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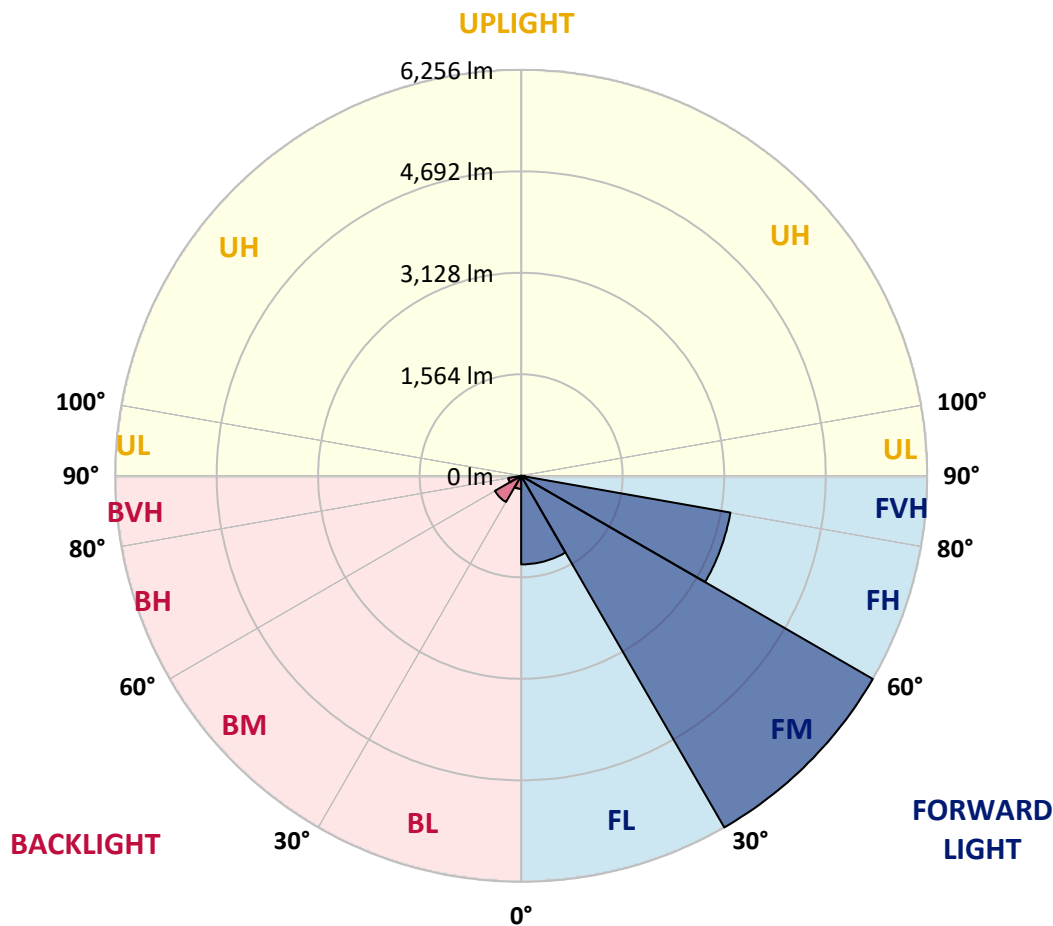
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1364.7	11.5			
FM	(30°-60°)	6255.6	52.9			
FH	(60°-80°)	3273.3	27.7			G2/5000
FVH	(80°-90°)	54.0	0.5			G1/100
BL	(0°-30°)	201.3	1.7	B1/500		
BM	(30°-60°)	465.8	3.9	B1/1000		
BH	(60°-80°)	201.3	1.7	B1/500		G1/500
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7
2.5°	1886.6	1898.4	1881.5	1849.2	1800.8	1769.2	1692.2	1619.5	1538.8	1513.1	1432.4
5°	2299.7	2310.0	2290.9	2255.7	2191.1	2129.5	2028.2	1876.3	1718.6	1667.9	1524.8
7.5°	2605.7	2611.6	2604.3	2572.0	2510.3	2440.6	2327.6	2147.8	1913.8	1858.0	1638.6
10°	2825.9	2845.0	2842.8	2830.3	2789.2	2732.7	2612.3	2407.6	2132.4	2060.5	1767.0
12.5°	2971.9	2993.2	3005.7	3033.5	3031.3	2995.4	2889.7	2673.2	2350.4	2266.0	1911.6
15°	3014.5	3037.2	3084.9	3149.5	3206.7	3225.1	3151.0	2933.7	2590.3	2482.5	2059.8
17.5°	2990.3	3025.5	3082.7	3184.7	3310.2	3393.1	3385.0	3185.4	2808.3	2685.0	2205.1
20°	3043.8	3077.6	3122.3	3208.2	3354.2	3504.6	3564.8	3426.1	3024.7	2895.6	2357.7
22.5°	3340.3	3334.4	3338.8	3352.7	3440.1	3589.0	3713.0	3644.8	3239.0	3106.9	2519.1
25°	3809.9	3783.5	3738.7	3663.1	3641.1	3713.0	3842.2	3838.5	3465.0	3323.4	2684.3
27.5°	4348.5	4344.1	4239.2	4057.2	3954.5	3926.6	3988.2	4027.1	3688.8	3537.7	2850.1
30°	4864.4	4876.1	4734.5	4532.0	4343.4	4234.0	4178.3	4206.2	3916.3	3768.8	3021.1
32.5°	5313.5	5325.9	5171.8	4934.8	4701.5	4569.4	4452.0	4383.0	4164.3	4003.6	3208.9
35°	5692.9	5705.3	5528.5	5266.5	5017.8	4898.1	4765.3	4576.7	4413.8	4264.1	3418.1
37.5°	6031.9	6028.2	5791.2	5527.0	5282.7	5188.0	5118.3	4815.2	4670.7	4526.1	3649.9
40°	6232.2	6247.6	6045.1	5753.8	5516.7	5447.8	5443.4	5110.9	4967.1	4827.0	3903.8
42.5°	6290.9	6318.1	6171.3	5932.1	5717.1	5642.2	5757.4	5430.9	5312.0	5175.5	4190.8
45°	6185.2	6211.6	6144.9	5979.0	5853.6	5805.1	6027.5	5762.6	5680.4	5545.4	4514.4
47.5°	5877.0	5910.1	5926.2	5891.0	5889.5	5938.7	6269.6	6111.9	6117.7	5979.8	4889.3
50°	5280.5	5336.2	5484.5	5609.2	5802.2	6044.3	6505.2	6490.5	6610.8	6492.0	5378.0
52.5°	4195.9	4275.1	4785.9	5127.1	5560.8	6024.5	6764.2	7098.1	7476.0	7302.1	6067.1
55°	3371.8	3371.8	3787.2	4425.6	5089.7	5893.9	6877.2	7492.9	8065.2	8024.1	6552.1
57.5°	2748.8	2781.9	3046.8	3611.0	4408.0	5582.8	6946.9	7740.9	8540.0	8509.9	7026.2
60°	1696.6	1767.7	2268.2	2825.1	3632.3	5028.8	6902.9	7991.9	9116.0	9140.3	7597.1
62.5°	955.4	981.8	1204.9	2032.6	2824.4	4283.9	6566.1	8132.0	9852.8	9955.5	8185.6
65°	659.7	672.9	758.8	1265.1	1957.8	3410.7	5907.9	8044.7	10591.0	10798.7	8684.6
67.5°	479.2	485.8	539.3	772.7	1161.6	2472.9	4876.1	7604.4	10982.1	11329.2	8780.0
70°	368.4	372.8	411.7	507.8	686.1	1526.3	3541.3	6729.0	10698.9	11113.5	8291.3
72.5°	299.4	303.8	333.9	375.7	455.0	902.6	2146.4	5464.6	9448.5	9896.1	7058.5
75°	252.4	258.3	285.4	312.6	356.6	579.7	1006.8	3805.5	7105.4	7398.9	4908.4
77.5°	140.2	129.1	231.9	259.0	300.9	366.9	471.1	2239.6	3979.4	4060.9	2177.9
80°	87.3	90.3	184.2	208.4	231.1	184.9	215.7	862.2	1379.6	1310.6	421.9
82.5°	5.1	11.7	141.6	150.4	158.5	79.3	81.5	292.8	332.4	305.3	74.8
85°	0.0	0.0	64.6	52.1	55.0	22.7	23.5	68.2	44.8	48.4	14.7
87.5°	0.0	0.0	0.0	1.5	0.0	2.2	4.4	5.9	2.2	2.9	5.1
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°	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7	1362.7
2.5°	1381.0	1329.7	1225.5	1123.5	1040.5	963.5	908.4	856.3	829.9	828.5	827.0
5°	1422.8	1315.0	1106.6	922.4	774.2	655.3	578.2	523.2	495.3	485.8	484.3
7.5°	1481.6	1319.4	1002.4	746.3	571.6	469.6	425.6	408.0	402.1	395.5	394.1
10°	1555.7	1329.7	909.2	601.0	450.6	399.2	381.6	374.2	369.8	365.4	364.0
12.5°	1638.6	1339.2	816.7	499.0	396.3	369.8	357.4	348.6	342.7	337.5	336.1
15°	1719.3	1345.1	720.6	427.8	368.4	347.1	333.9	324.3	316.3	310.4	309.7
17.5°	1799.3	1353.1	630.3	385.2	345.6	324.3	311.1	299.4	292.8	286.2	285.4
20°	1888.1	1351.7	545.2	355.2	322.9	301.6	287.7	276.6	270.0	262.7	262.0
22.5°	1970.3	1344.3	470.4	329.5	299.4	278.8	263.4	252.4	245.8	240.0	239.2
25°	2064.9	1338.5	408.0	306.0	277.4	256.8	240.0	229.7	222.3	217.2	216.5
27.5°	2155.9	1329.7	362.5	284.7	256.1	236.3	220.1	208.4	201.8	198.1	198.1
30°	2245.4	1327.5	345.6	264.2	237.0	217.2	201.1	190.1	184.9	183.5	182.7
32.5°	2353.3	1333.3	353.0	256.8	219.4	199.6	184.2	176.1	171.0	171.0	171.0
35°	2468.5	1331.9	364.0	263.4	207.7	182.0	170.2	165.1	160.0	160.0	160.0
37.5°	2613.1	1334.1	372.8	274.4	203.3	167.3	160.7	154.1	151.2	151.2	151.2
40°	2828.8	1406.7	368.4	284.0	201.8	157.0	143.8	141.6	139.4	139.4	139.4
42.5°	3093.0	1564.5	374.2	284.7	201.1	149.7	132.1	136.5	131.4	130.6	129.9
45°	3382.1	1736.9	411.7	269.3	200.3	146.0	126.2	131.4	123.3	123.3	123.3
47.5°	3669.0	1907.9	449.8	247.3	198.1	145.3	121.1	118.1	115.9	116.7	116.7
50°	4064.5	2047.3	464.5	217.2	193.0	143.8	111.5	112.3	110.8	112.3	112.3
52.5°	4495.3	2076.7	446.9	183.5	178.3	139.4	104.9	107.9	107.1	108.6	108.6
55°	4763.9	2045.1	369.1	152.6	155.6	121.8	98.3	104.2	104.2	104.2	104.2
57.5°	5041.2	1910.8	262.0	124.0	129.1	99.8	92.5	100.5	99.8	99.1	99.1
60°	5240.8	1693.6	172.4	102.0	102.7	82.2	85.9	94.7	93.9	90.3	90.3
62.5°	5389.8	1453.7	110.8	86.6	78.5	74.1	78.5	85.9	82.9	74.8	73.4
65°	5372.9	1121.3	85.1	74.1	64.6	64.6	68.2	74.8	66.0	52.8	51.4
67.5°	5059.6	758.8	70.4	62.4	54.3	53.6	56.5	62.4	56.5	44.8	43.3
70°	4499.7	496.1	56.5	48.4	43.3	39.6	45.5	53.6	47.7	36.0	34.5
72.5°	3652.1	302.3	42.6	35.2	31.6	25.7	36.0	44.0	38.2	26.4	24.9
75°	2362.8	154.1	29.4	22.7	16.9	15.4	26.4	33.0	26.4	16.1	13.9
77.5°	904.0	64.6	16.1	10.3	8.8	7.3	14.7	19.8	11.0	3.7	2.9
80°	173.9	27.2	8.1	5.1	4.4	2.9	2.2	1.5	0.0	0.0	0.0
82.5°	30.1	8.8	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	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)