

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: P946628

Luminaire Tested: **GALN-SB2B-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946628
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-SB2B-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 7876 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

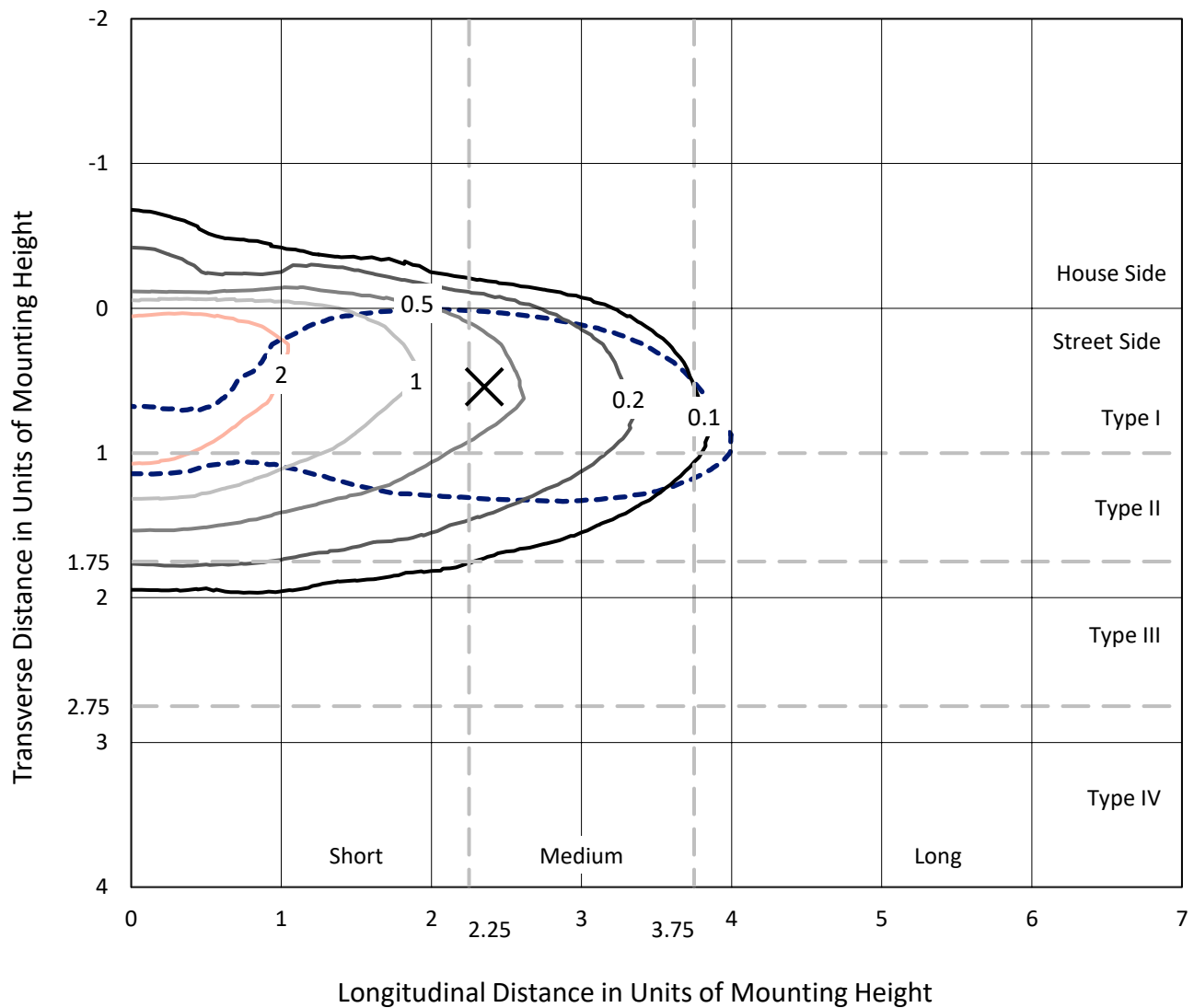
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946628
 CATALOG NUMBER: GALN-SB2B-722-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

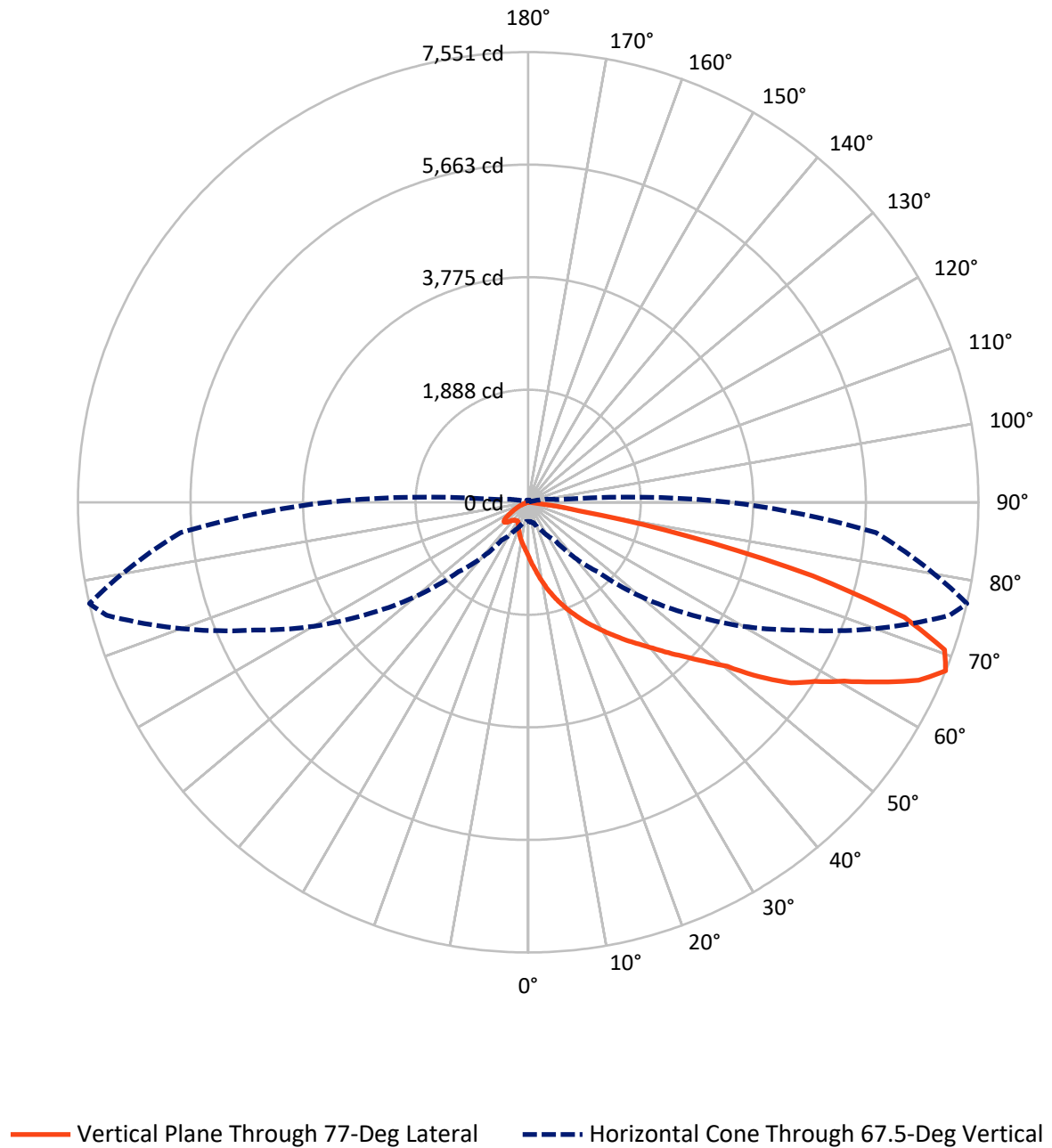
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P946628
CATALOG NUMBER: GALN-SB2B-722-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P946628

CATALOG NUMBER: GALN-SB2B-722-U-T2R-HSS

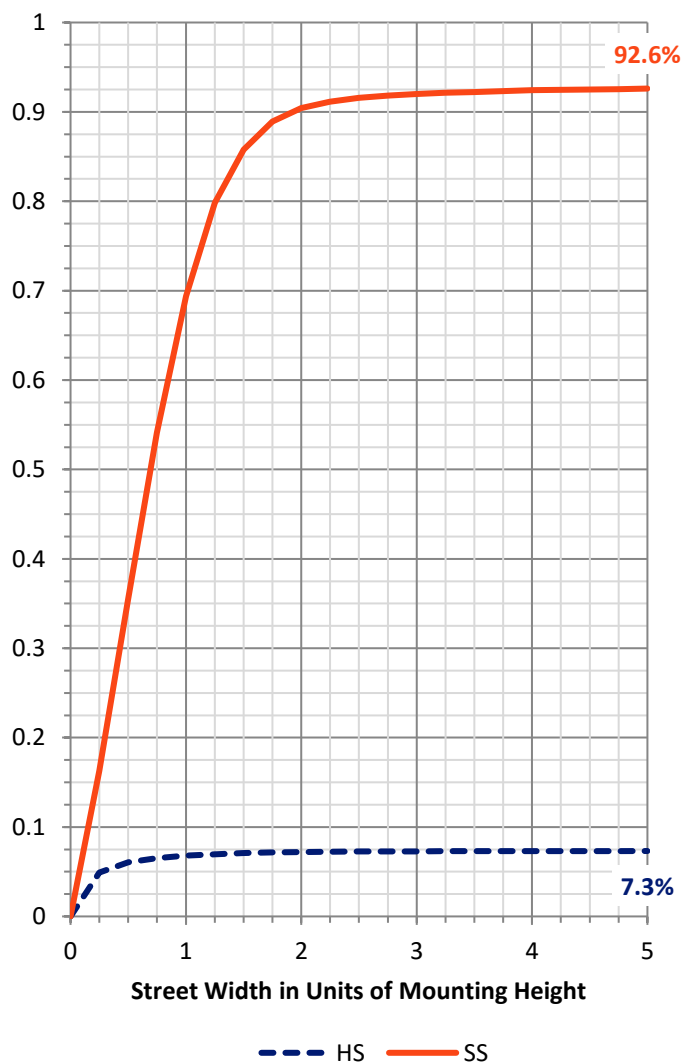
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	579.4	0.0	579.4
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	7296.6	0.0	7296.6
	% Fixture	92.6	0.0	92.6
Total	Lumens	7876.0	0.0	7876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	1.2
10°-20°	324.6	4.1
20°-30°	626.4	8.0
30°-40°	1087.5	13.8
40°-50°	1579.0	20.0
50°-60°	1813.3	23.0
60°-70°	1574.3	20.0
70°-80°	741.5	9.4
80°-90°	36.7	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°	7876.0	100.0
0°-180°	7876.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946628

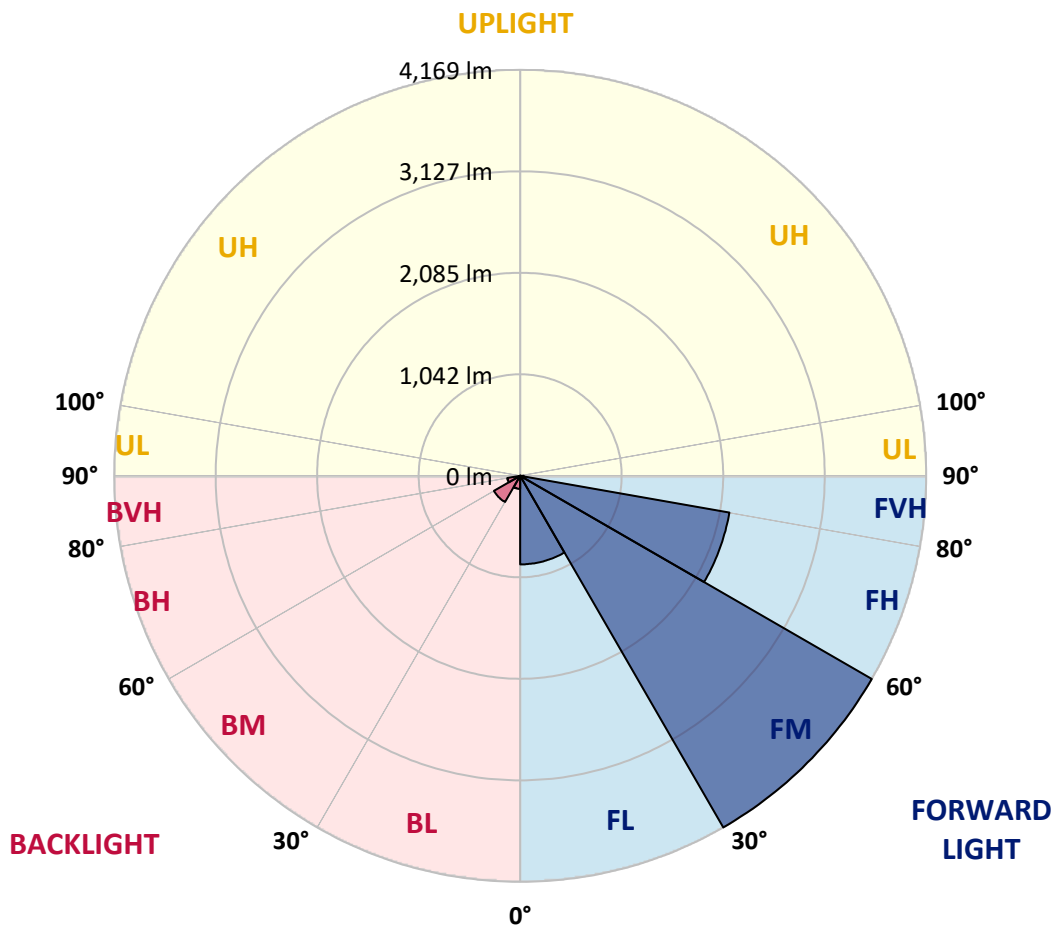
CATALOG NUMBER: GALN-SB2B-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	909.6	11.5			
FM	(30°-60°)	4169.3	52.9			
FH	(60°-80°)	2181.6	27.7			G2/5000
FVH	(80°-90°)	36.0	0.5			G1/100
BL	(0°-30°)	134.1	1.7	B1/500		
BM	(30°-60°)	310.5	3.9	B1/1000		
BH	(60°-80°)	134.1	1.7	B1/500		G1/500
BVH	(80°-90°)	0.7	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



REPORT NUMBER: P946628

CATALOG NUMBER: GALN-SB2B-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2
2.5°	1257.4	1265.2	1254.0	1232.5	1200.2	1179.2	1127.8	1079.4	1025.6	1008.5	954.7
5°	1532.8	1539.6	1526.9	1503.4	1460.4	1419.3	1351.8	1250.6	1145.4	1111.7	1016.3
7.5°	1736.7	1740.6	1735.7	1714.2	1673.1	1626.7	1551.4	1431.5	1275.5	1238.3	1092.1
10°	1883.4	1896.2	1894.7	1886.4	1859.0	1821.3	1741.1	1604.7	1421.3	1373.3	1177.7
12.5°	1980.8	1995.0	2003.3	2021.9	2020.4	1996.4	1926.0	1781.7	1566.5	1510.3	1274.0
15°	2009.1	2024.3	2056.1	2099.1	2137.3	2149.5	2100.1	1955.3	1726.4	1654.6	1372.8
17.5°	1993.0	2016.5	2054.6	2122.6	2206.2	2261.5	2256.1	2123.1	1871.7	1789.5	1469.7
20°	2028.7	2051.2	2081.0	2138.3	2235.6	2335.8	2375.9	2283.5	2016.0	1929.9	1571.4
22.5°	2226.3	2222.4	2225.3	2234.6	2292.8	2392.1	2474.7	2429.3	2158.8	2070.8	1679.0
25°	2539.3	2521.7	2491.9	2441.5	2426.8	2474.7	2560.8	2558.4	2309.4	2215.0	1789.0
27.5°	2898.3	2895.3	2825.4	2704.1	2635.6	2617.1	2658.1	2684.1	2458.6	2357.8	1899.6
30°	3242.1	3249.9	3155.5	3020.5	2894.9	2822.0	2784.8	2803.4	2610.2	2511.9	2013.5
32.5°	3541.4	3549.7	3447.0	3289.1	3133.5	3045.5	2967.2	2921.3	2775.5	2668.4	2138.7
35°	3794.3	3802.6	3684.7	3510.1	3344.3	3264.6	3176.1	3050.4	2941.8	2842.0	2278.1
37.5°	4020.2	4017.8	3859.8	3683.7	3520.9	3457.8	3411.3	3209.3	3113.0	3016.6	2432.7
40°	4153.7	4164.0	4029.0	3834.9	3676.9	3630.9	3628.0	3406.4	3310.6	3217.2	2601.9
42.5°	4192.9	4211.0	4113.1	3953.7	3810.4	3760.5	3837.3	3619.7	3540.4	3449.5	2793.1
45°	4122.4	4140.0	4095.5	3985.0	3901.4	3869.1	4017.3	3840.7	3786.0	3696.0	3008.8
47.5°	3917.0	3939.0	3949.8	3926.3	3925.3	3958.1	4178.7	4073.5	4077.4	3985.5	3258.7
50°	3519.4	3556.6	3655.4	3738.5	3867.1	4028.5	4335.7	4325.9	4406.1	4326.9	3584.5
52.5°	2796.6	2849.4	3189.8	3417.2	3706.2	4015.3	4508.3	4730.9	4982.7	4866.8	4043.7
55°	2247.3	2247.3	2524.1	2949.6	3392.2	3928.3	4583.6	4994.0	5375.5	5348.1	4367.0
57.5°	1832.1	1854.1	2030.7	2406.8	2937.9	3720.9	4630.1	5159.3	5691.9	5671.8	4682.9
60°	1130.7	1178.2	1511.7	1883.0	2420.9	3351.7	4600.8	5326.6	6075.8	6092.0	5063.4
62.5°	636.8	654.4	803.1	1354.7	1882.5	2855.2	4376.3	5420.0	6566.9	6635.3	5455.7
65°	439.7	448.5	505.7	843.2	1304.9	2273.2	3937.6	5361.8	7058.9	7197.3	5788.2
67.5°	319.4	323.8	359.5	515.0	774.2	1648.2	3249.9	5068.3	7319.5	7550.9	5851.8
70°	245.5	248.5	274.4	338.4	457.3	1017.3	2360.3	4484.8	7130.8	7407.1	5526.1
72.5°	199.5	202.5	222.5	250.4	303.2	601.6	1430.6	3642.2	6297.4	6595.7	4704.4
75°	168.2	172.2	190.3	208.3	237.7	386.4	671.0	2536.4	4735.7	4931.4	3271.4
77.5°	93.4	86.1	154.5	172.6	200.5	244.5	314.0	1492.7	2652.3	2706.6	1451.6
80°	58.2	60.2	122.8	138.9	154.1	123.2	143.8	574.7	919.5	873.5	281.2
82.5°	3.4	7.8	94.4	100.3	105.6	52.8	54.3	195.1	221.6	203.5	49.9
85°	0.0	0.0	43.0	34.7	36.7	15.2	15.7	45.5	29.8	32.3	9.8
87.5°	0.0	0.0	0.0	1.0	0.0	1.5	2.9	3.9	1.5	2.0	3.4
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: P946628

CATALOG NUMBER: GALN-SB2B-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2
2.5°	920.4	886.2	816.8	748.8	693.5	642.2	605.5	570.8	553.1	552.2	551.2
5°	948.3	876.4	737.5	614.8	516.0	436.7	385.4	348.7	330.1	323.8	322.8
7.5°	987.4	879.4	668.1	497.4	381.0	313.0	283.7	271.9	268.0	263.6	262.6
10°	1036.8	886.2	606.0	400.6	300.3	266.1	254.3	249.4	246.5	243.6	242.6
12.5°	1092.1	892.6	544.3	332.6	264.1	246.5	238.2	232.3	228.4	225.0	224.0
15°	1145.9	896.5	480.3	285.1	245.5	231.3	222.5	216.2	210.8	206.9	206.4
17.5°	1199.2	901.9	420.1	256.8	230.4	216.2	207.4	199.5	195.1	190.7	190.3
20°	1258.4	900.9	363.4	236.7	215.2	201.0	191.7	184.4	180.0	175.1	174.6
22.5°	1313.2	896.0	313.5	219.6	199.5	185.8	175.6	168.2	163.8	159.9	159.4
25°	1376.3	892.1	271.9	203.9	184.9	171.2	159.9	153.1	148.2	144.8	144.3
27.5°	1436.9	886.2	241.6	189.8	170.7	157.5	146.7	138.9	134.5	132.1	132.1
30°	1496.6	884.7	230.4	176.1	158.0	144.8	134.0	126.7	123.2	122.3	121.8
32.5°	1568.5	888.7	235.2	171.2	146.2	133.0	122.8	117.4	114.0	114.0	114.0
35°	1645.3	887.7	242.6	175.6	138.4	121.3	113.5	110.0	106.6	106.6	106.6
37.5°	1741.6	889.1	248.5	182.9	135.5	111.5	107.1	102.7	100.8	100.8	100.8
40°	1885.4	937.6	245.5	189.3	134.5	104.7	95.9	94.4	92.9	92.9	92.9
42.5°	2061.5	1042.7	249.4	189.8	134.0	99.8	88.0	91.0	87.5	87.1	86.6
45°	2254.2	1157.6	274.4	179.5	133.5	97.3	84.1	87.5	82.2	82.2	82.2
47.5°	2445.4	1271.6	299.8	164.8	132.1	96.8	80.7	78.7	77.3	77.8	77.8
50°	2709.0	1364.5	309.6	144.8	128.6	95.9	74.3	74.8	73.9	74.8	74.8
52.5°	2996.1	1384.1	297.8	122.3	118.8	92.9	69.9	71.9	71.4	72.4	72.4
55°	3175.1	1363.1	246.0	101.7	103.7	81.2	65.5	69.4	69.4	69.4	69.4
57.5°	3360.0	1273.6	174.6	82.7	86.1	66.5	61.6	67.0	66.5	66.0	66.0
60°	3493.0	1128.8	114.9	68.0	68.5	54.8	57.2	63.1	62.6	60.2	60.2
62.5°	3592.3	968.9	73.9	57.7	52.3	49.4	52.3	57.2	55.3	49.9	48.9
65°	3581.0	747.3	56.7	49.4	43.0	43.0	45.5	49.9	44.0	35.2	34.2
67.5°	3372.2	505.7	47.0	41.6	36.2	35.7	37.7	41.6	37.7	29.8	28.9
70°	2999.0	330.6	37.7	32.3	28.9	26.4	30.3	35.7	31.8	24.0	23.0
72.5°	2434.1	201.5	28.4	23.5	21.0	17.1	24.0	29.3	25.4	17.6	16.6
75°	1574.8	102.7	19.6	15.2	11.2	10.3	17.6	22.0	17.6	10.8	9.3
77.5°	602.5	43.0	10.8	6.8	5.9	4.9	9.8	13.2	7.3	2.4	2.0
80°	115.9	18.1	5.4	3.4	2.9	2.0	1.5	1.0	0.0	0.0	0.0
82.5°	20.1	5.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	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)