

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: P944833

Luminaire Tested: **GALN-SB1A-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

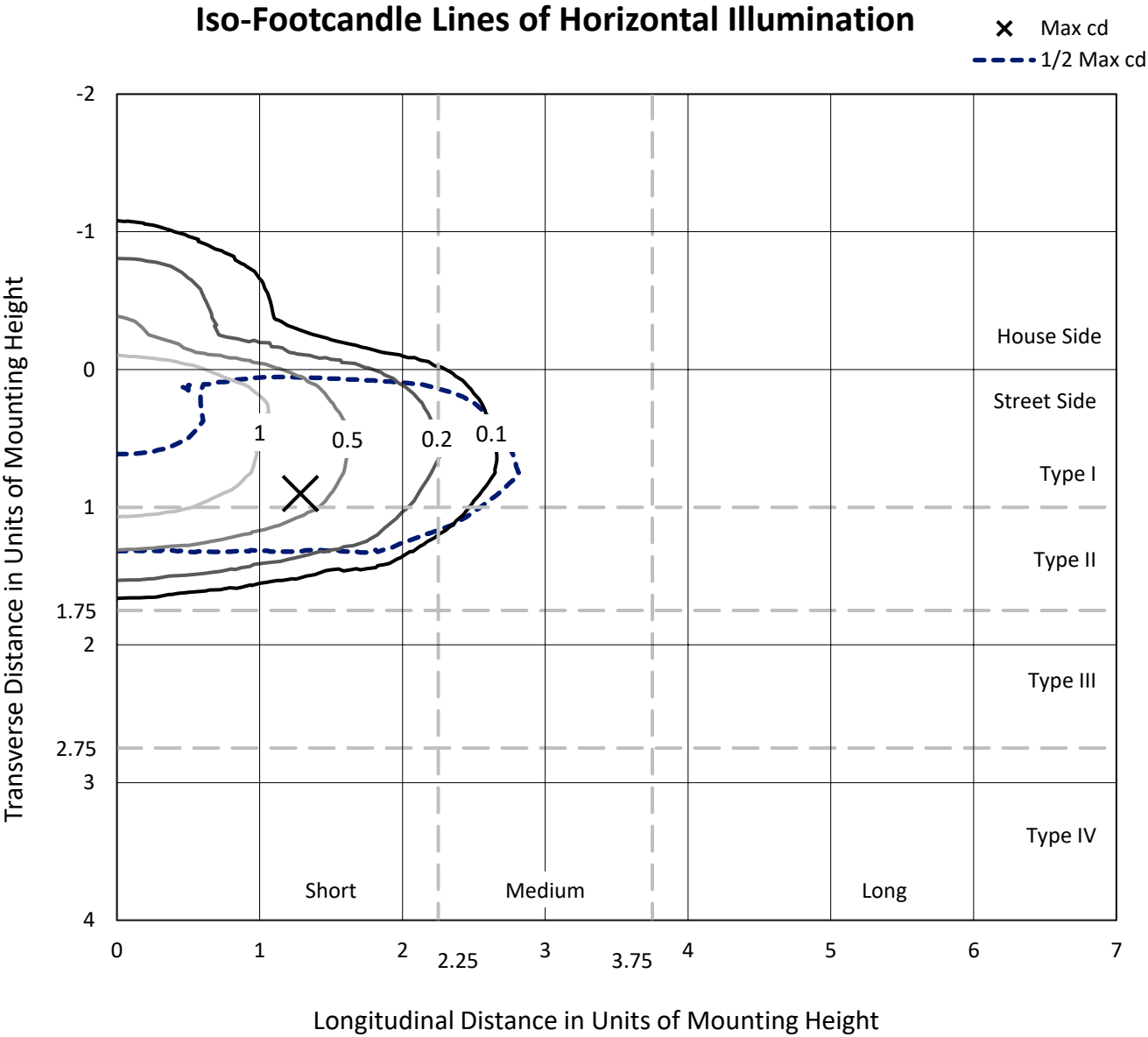
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3770 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.9
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



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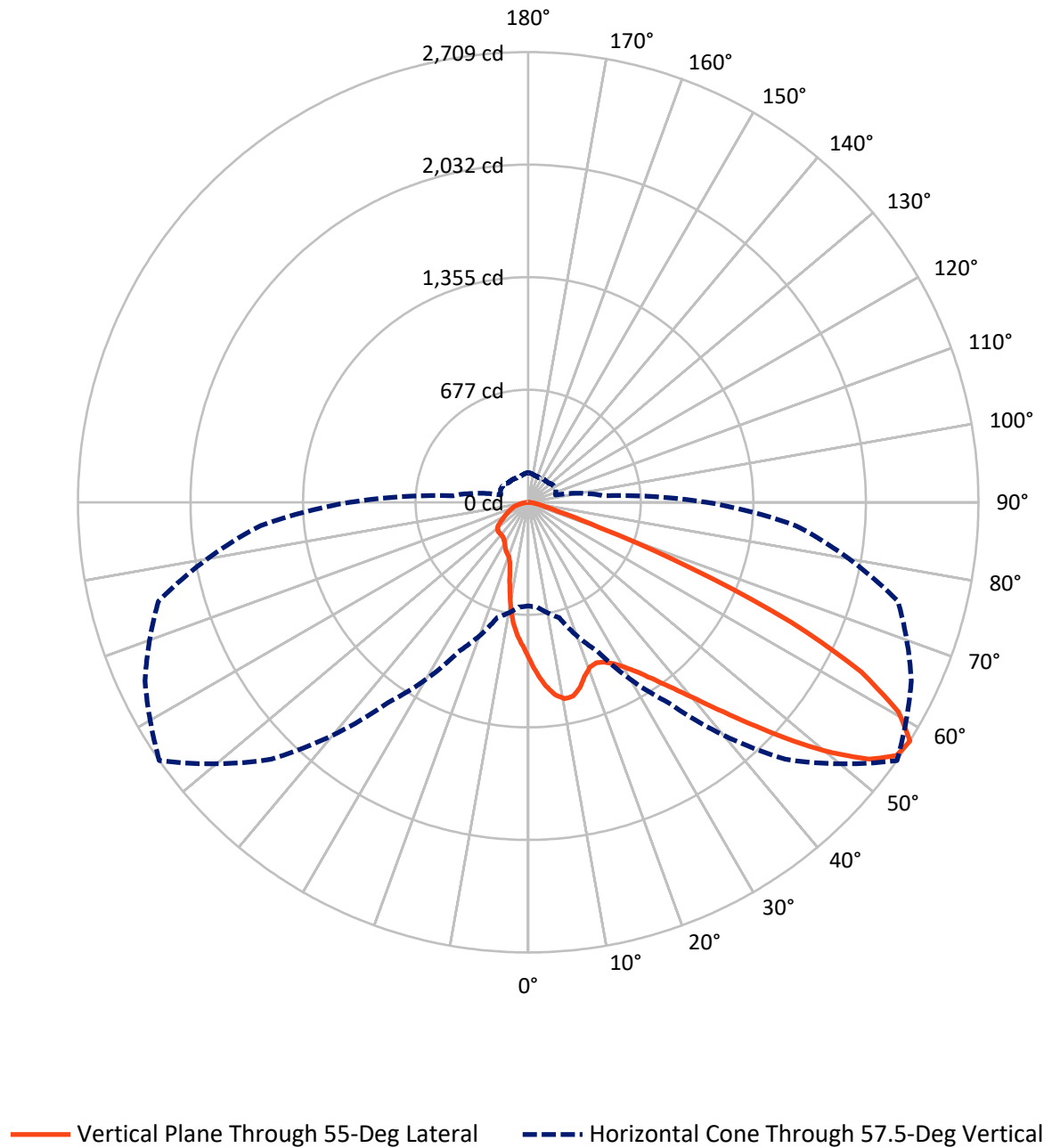


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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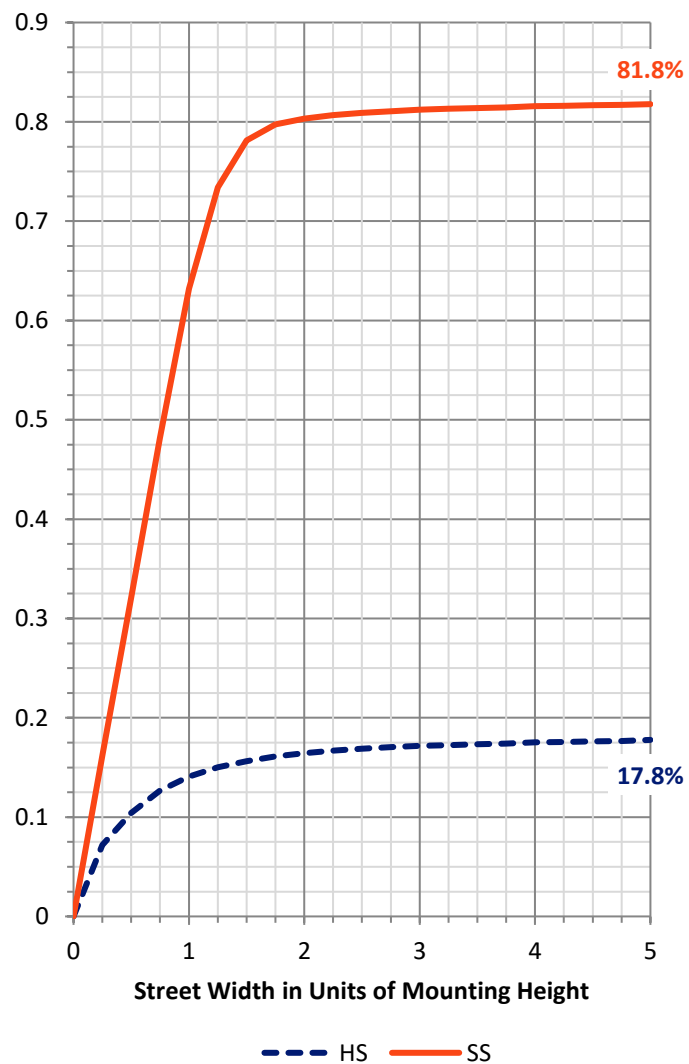
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	682.2	0.0	682.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3087.8	0.0	3087.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	3770.0	0.0	3770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	2.3
10°-20°	221.2	5.9
20°-30°	353.1	9.4
30°-40°	559.0	14.8
40°-50°	855.6	22.7
50°-60°	916.4	24.3
60°-70°	576.5	15.3
70°-80°	170.5	4.5
80°-90°	30.1	0.8
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°	3770.0	100.0
0°-180°	3770.0	100.0

Coefficient of Utilization



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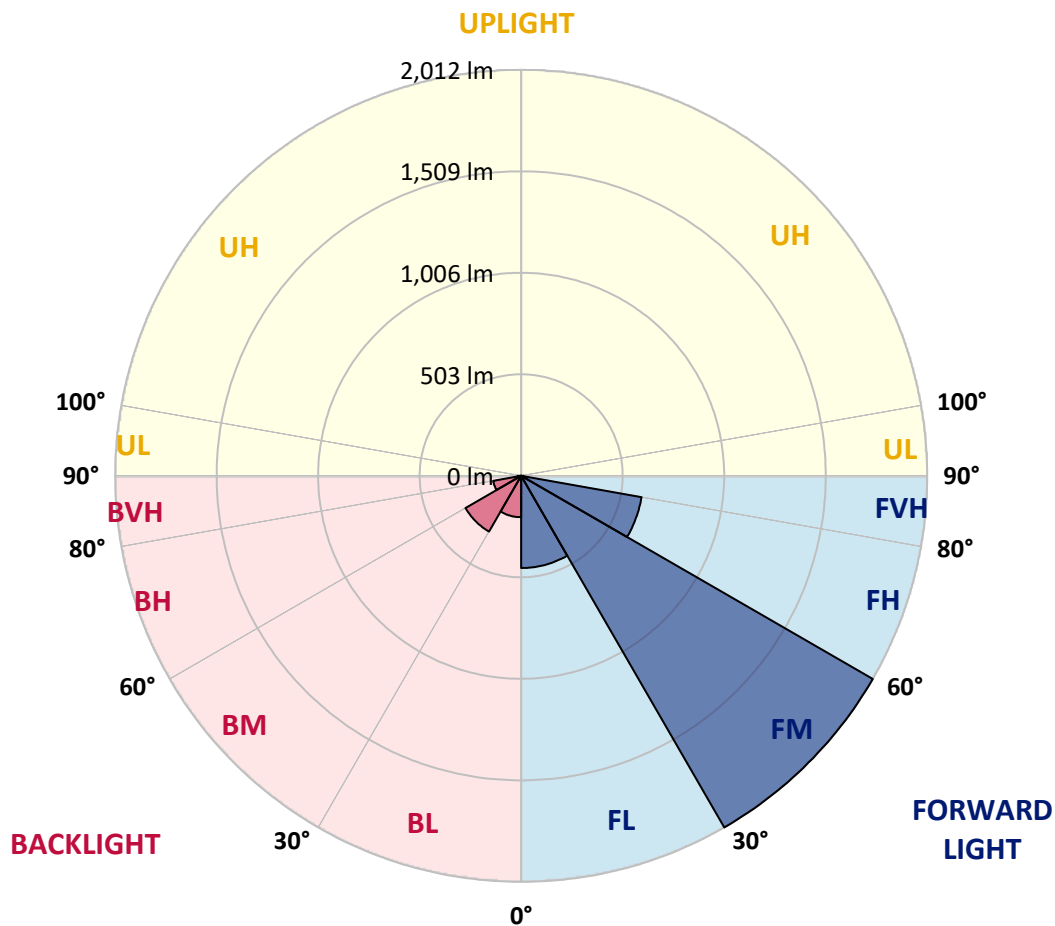
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	456.9	12.1			
FM	(30°-60°)	2012.1	53.4			
FH	(60°-80°)	606.1	16.1			G0/660
FVH	(80°-90°)	12.7	0.3			G1/100
BL	(0°-30°)	205.0	5.4	B1/500		
BM	(30°-60°)	318.8	8.5	B1/1000		
BH	(60°-80°)	140.9	3.7	B1/500		G1/500
BVH	(80°-90°)	17.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	944.6	944.6	944.6	944.6	944.6	944.6	944.6	944.6	944.6	944.6	944.6
2.5°	1083.8	1083.0	1087.3	1072.7	1062.7	1049.3	1031.6	1009.0	984.6	958.9	947.8
5°	1181.4	1174.6	1179.1	1168.2	1157.3	1137.0	1110.7	1073.9	1028.8	977.6	950.3
7.5°	1166.0	1161.4	1172.9	1182.6	1190.8	1188.3	1169.0	1130.4	1072.3	997.8	958.3
10°	1041.9	1036.6	1052.8	1086.5	1136.0	1179.1	1202.5	1178.5	1116.7	1020.1	966.1
12.5°	932.4	929.8	940.5	967.8	1022.8	1105.4	1198.2	1220.6	1162.9	1046.4	976.6
15°	885.6	882.5	889.3	903.1	938.2	1015.2	1159.2	1249.5	1208.3	1076.8	993.4
17.5°	875.3	871.8	874.7	881.9	904.5	963.2	1100.4	1263.7	1255.7	1110.7	1007.4
20°	894.4	891.4	891.8	891.4	907.2	953.8	1059.4	1258.2	1297.0	1141.9	1021.0
22.5°	940.5	935.7	935.9	925.5	934.1	970.2	1048.7	1243.6	1333.8	1169.2	1031.4
25°	1015.8	1007.0	1008.8	982.4	980.1	1006.8	1065.5	1232.3	1370.5	1191.0	1033.3
27.5°	1118.7	1108.7	1103.5	1064.3	1045.6	1058.8	1099.6	1236.2	1405.2	1209.9	1028.4
30°	1247.3	1235.2	1224.5	1169.0	1135.0	1130.2	1152.6	1261.9	1446.1	1229.8	1020.1
32.5°	1405.0	1390.9	1371.5	1297.8	1250.0	1224.5	1221.2	1307.7	1494.0	1255.1	1015.8
35°	1592.7	1574.3	1546.7	1451.4	1390.9	1338.7	1311.6	1373.8	1559.7	1293.3	1020.6
37.5°	1786.0	1765.3	1740.0	1626.6	1552.3	1475.3	1421.9	1463.4	1647.2	1345.1	1033.5
40°	1964.3	1941.1	1917.5	1816.6	1736.9	1644.1	1557.0	1576.9	1754.2	1407.1	1055.3
42.5°	2069.6	2052.4	2043.4	1988.9	1927.3	1833.2	1725.0	1711.3	1874.5	1478.4	1080.3
45°	2064.9	2057.9	2085.5	2108.1	2093.5	2041.3	1921.8	1860.0	1995.1	1540.2	1103.3
47.5°	1954.6	1959.2	2021.0	2148.1	2204.0	2231.3	2146.0	2006.0	2100.0	1586.4	1113.6
50°	1654.4	1658.3	1801.4	2075.4	2232.5	2386.3	2368.3	2148.5	2181.2	1614.7	1111.3
52.5°	1416.9	1419.4	1480.8	1859.9	2138.5	2464.2	2568.7	2282.8	2240.7	1622.5	1098.2
55°	1067.2	1076.0	1144.8	1459.2	1894.2	2402.4	2690.7	2421.1	2278.3	1623.3	1084.6
57.5°	623.5	633.0	718.0	990.4	1472.2	2187.1	2709.2	2543.9	2303.8	1617.0	1076.4
60°	305.4	309.5	346.5	520.6	907.8	1772.1	2560.3	2603.4	2318.0	1613.7	1076.0
62.5°	205.8	205.2	206.8	256.9	447.3	1138.6	2250.0	2499.3	2310.4	1601.0	1072.1
65°	177.0	174.8	169.0	180.3	231.7	520.8	1738.4	2188.6	2252.6	1569.3	1045.4
67.5°	153.0	153.2	153.4	149.9	165.5	240.3	1062.4	1724.0	2044.8	1418.8	942.5
70°	126.7	128.4	129.2	129.2	134.9	157.7	453.5	1181.6	1612.9	1112.4	759.1
72.5°	115.4	111.7	112.1	110.1	110.1	120.1	182.6	669.8	1016.2	625.8	463.3
75°	94.1	96.5	96.9	95.5	91.0	91.6	108.4	281.0	434.8	259.6	229.0
77.5°	81.3	81.3	82.0	81.1	77.6	68.6	72.3	108.9	147.9	106.4	114.4
80°	65.3	65.1	68.4	70.4	64.9	50.7	46.2	60.2	65.7	46.8	59.4
82.5°	31.8	33.7	47.0	53.6	49.3	36.6	28.3	37.4	35.1	20.7	26.7
85°	18.5	17.5	21.0	29.8	28.3	20.3	13.6	19.5	18.3	10.5	10.7
87.5°	5.8	5.5	4.3	10.1	8.2	5.7	3.7	5.7	5.1	2.3	2.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	944.6	944.6	944.6	944.6	944.6	944.6	944.6	944.6	944.6	944.6
2.5°	933.9	910.9	888.1	867.3	854.6	846.4	838.2	829.1	825.6	820.3
5°	924.6	880.1	840.6	806.5	775.5	751.1	726.6	706.7	697.7	703.8
7.5°	919.1	854.8	793.8	731.2	671.0	622.9	581.0	551.5	538.3	541.6
10°	914.2	826.1	733.2	634.4	547.8	488.2	445.3	422.9	414.5	416.3
12.5°	909.8	794.0	660.1	530.1	438.1	398.7	386.5	386.7	388.2	389.4
15°	909.0	755.2	578.4	438.9	378.9	376.3	389.6	398.0	402.5	403.8
17.5°	907.8	708.8	495.2	376.7	364.4	381.6	393.9	399.3	402.8	403.0
20°	903.1	650.0	418.4	347.1	361.3	376.1	383.7	388.0	391.0	391.9
22.5°	888.7	584.5	358.6	333.8	348.9	360.7	369.7	374.6	376.3	377.5
25°	862.8	511.2	317.3	321.2	331.5	346.5	353.7	354.7	354.1	355.9
27.5°	828.9	432.7	291.6	304.0	317.3	330.1	334.0	333.5	332.3	334.2
30°	787.9	362.1	275.2	284.7	302.9	314.6	318.1	316.7	314.4	316.5
32.5°	744.7	304.4	261.7	271.3	291.0	302.5	306.0	304.6	302.9	304.6
35°	704.3	264.1	249.3	262.3	281.6	292.9	297.4	297.6	297.6	299.7
37.5°	667.3	240.5	238.9	256.7	275.2	285.3	291.8	292.1	283.8	284.3
40°	633.0	230.6	234.3	253.0	269.0	278.7	279.1	257.3	241.9	241.5
42.5°	604.9	228.6	235.6	252.6	264.5	264.9	237.4	220.4	216.1	216.3
45°	578.6	228.0	238.7	252.6	257.8	228.8	210.3	205.8	206.2	207.8
47.5°	549.2	225.7	239.3	249.1	238.7	203.5	198.0	196.1	195.3	195.7
50°	517.0	217.3	231.9	242.1	206.0	192.6	185.7	185.1	186.1	186.7
52.5°	483.1	203.7	219.3	229.4	191.0	183.0	175.4	176.8	181.1	182.4
55°	460.9	187.7	202.5	204.1	180.5	174.0	167.6	170.7	178.7	181.2
57.5°	455.1	170.7	183.4	181.6	167.0	166.2	162.3	165.1	175.2	178.9
60°	453.3	155.5	164.7	163.3	154.0	157.7	156.7	158.1	161.6	162.7
62.5°	439.7	143.4	147.9	146.0	142.3	148.7	151.0	148.1	150.8	152.2
65°	405.0	133.7	131.6	130.2	131.7	137.6	142.3	136.4	139.0	142.9
67.5°	347.7	120.4	114.6	116.2	121.0	124.1	130.2	123.6	125.7	132.3
70°	281.2	103.7	98.4	102.9	107.6	114.0	115.0	110.5	115.6	123.0
72.5°	199.0	86.7	83.0	92.2	93.7	102.1	100.0	97.8	104.9	107.4
75°	138.0	70.0	67.8	74.8	80.5	87.7	86.1	88.7	103.5	104.7
77.5°	87.3	54.4	53.0	57.5	65.3	73.3	75.8	104.7	176.8	183.8
80°	50.7	40.5	39.0	42.5	49.3	56.7	73.1	128.4	116.5	115.2
82.5°	28.3	27.9	25.9	26.9	32.9	40.9	103.3	90.4	73.5	75.8
85°	13.3	16.4	14.0	13.4	18.5	47.9	69.0	51.6	34.3	33.5
87.5°	3.5	3.1	3.1	3.5	7.8	41.3	27.5	22.0	13.1	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)