

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: P946985

Luminaire Tested: **GALN-SB2C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946985
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-SB2C-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA 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: 10475 lumens
Efficiency: N/A
Efficacy: 103.8 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): 100.9
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



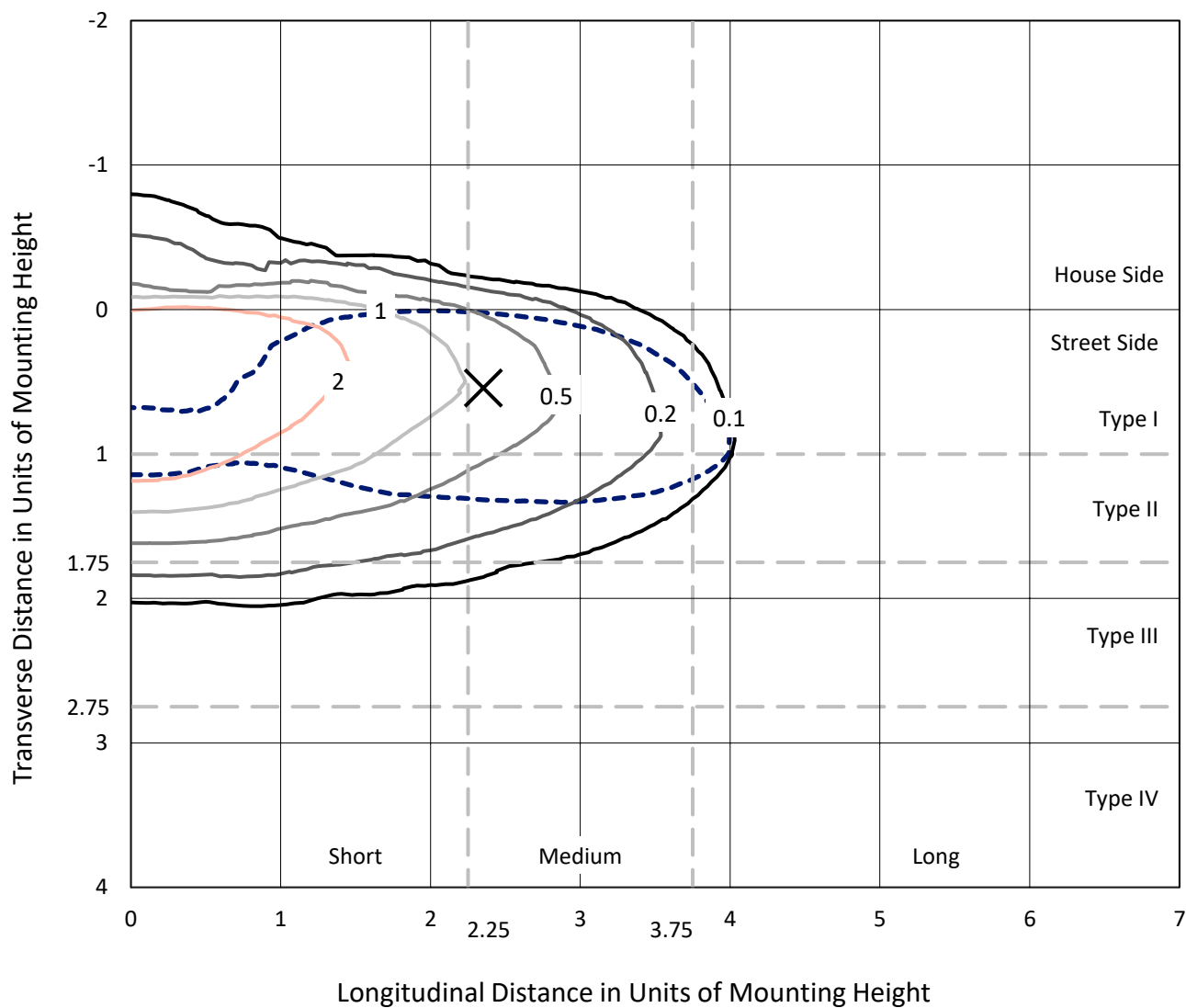
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Iso-Footcandle Lines of Horizontal Illumination

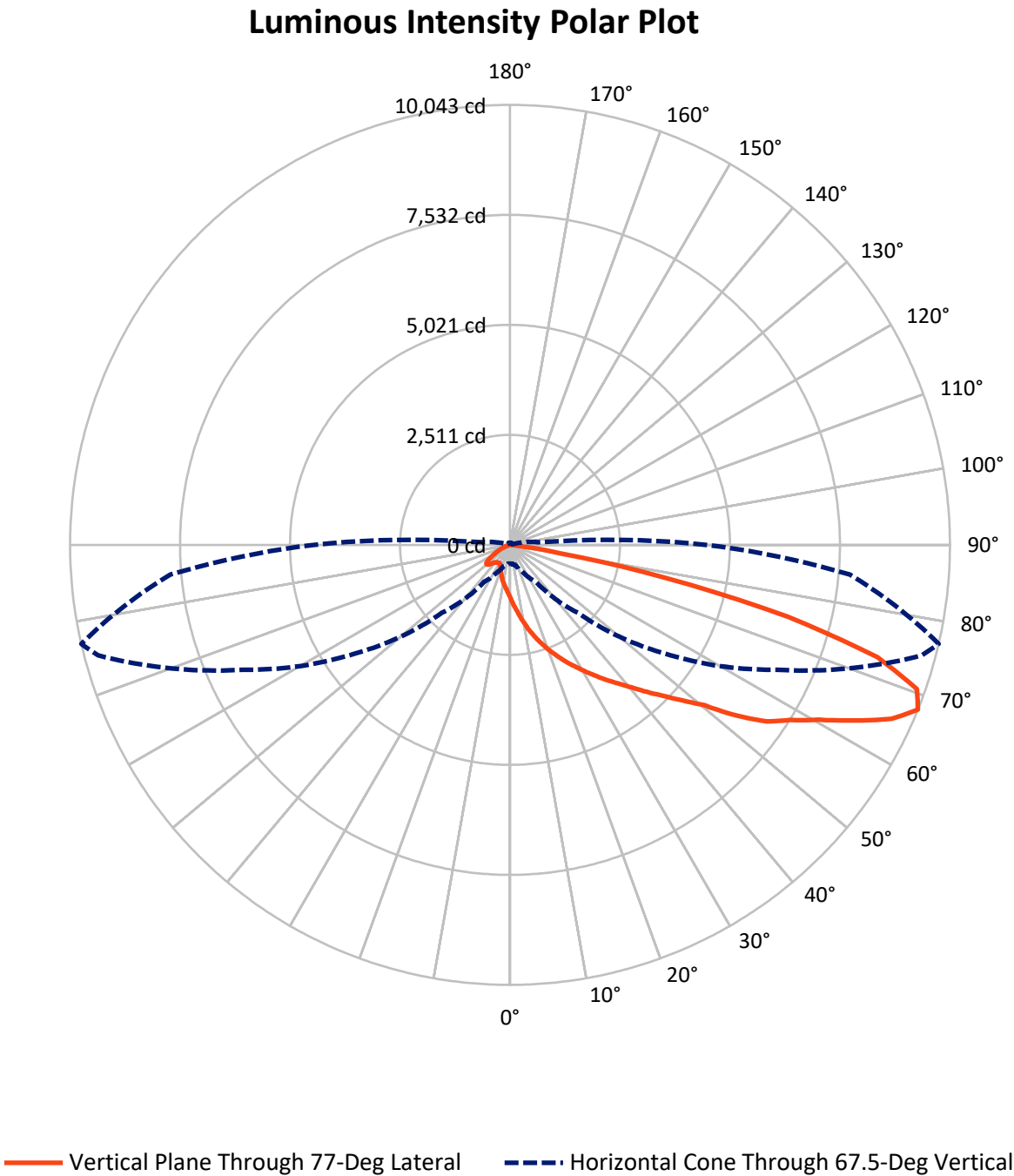
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

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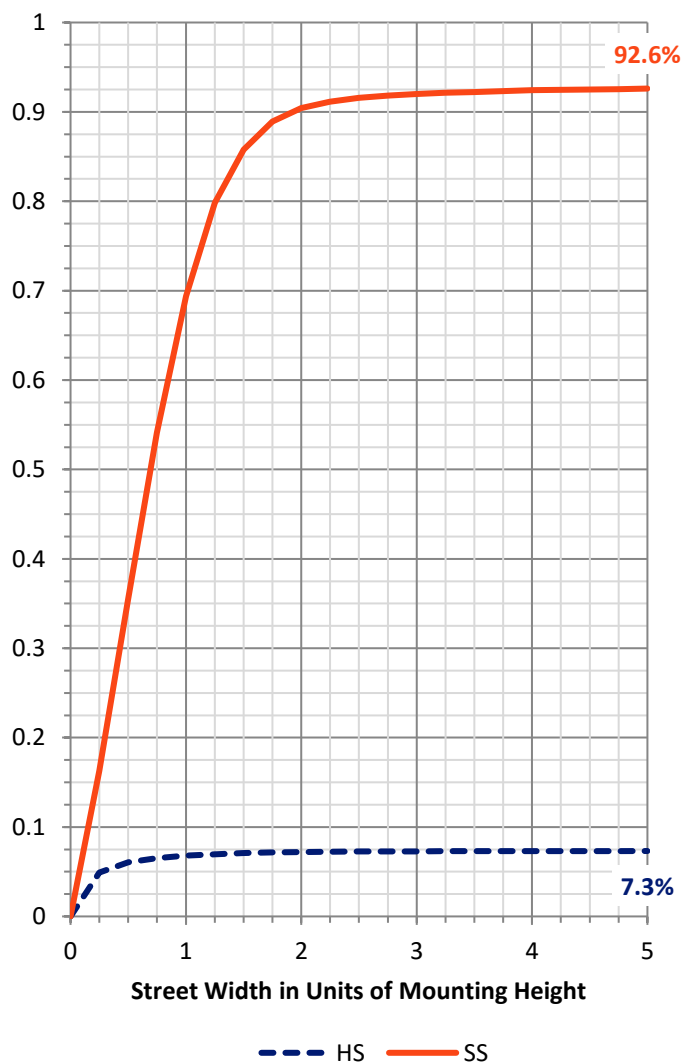
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	770.7	0.0	770.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	9704.4	0.0	9704.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	10475.0	0.0	10475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	1.2
10°-20°	431.7	4.1
20°-30°	833.1	8.0
30°-40°	1446.4	13.8
40°-50°	2100.1	20.0
50°-60°	2411.7	23.0
60°-70°	2093.8	20.0
70°-80°	986.2	9.4
80°-90°	48.8	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°	10475.0	100.0
0°-180°	10475.0	100.0

Coefficient of Utilization



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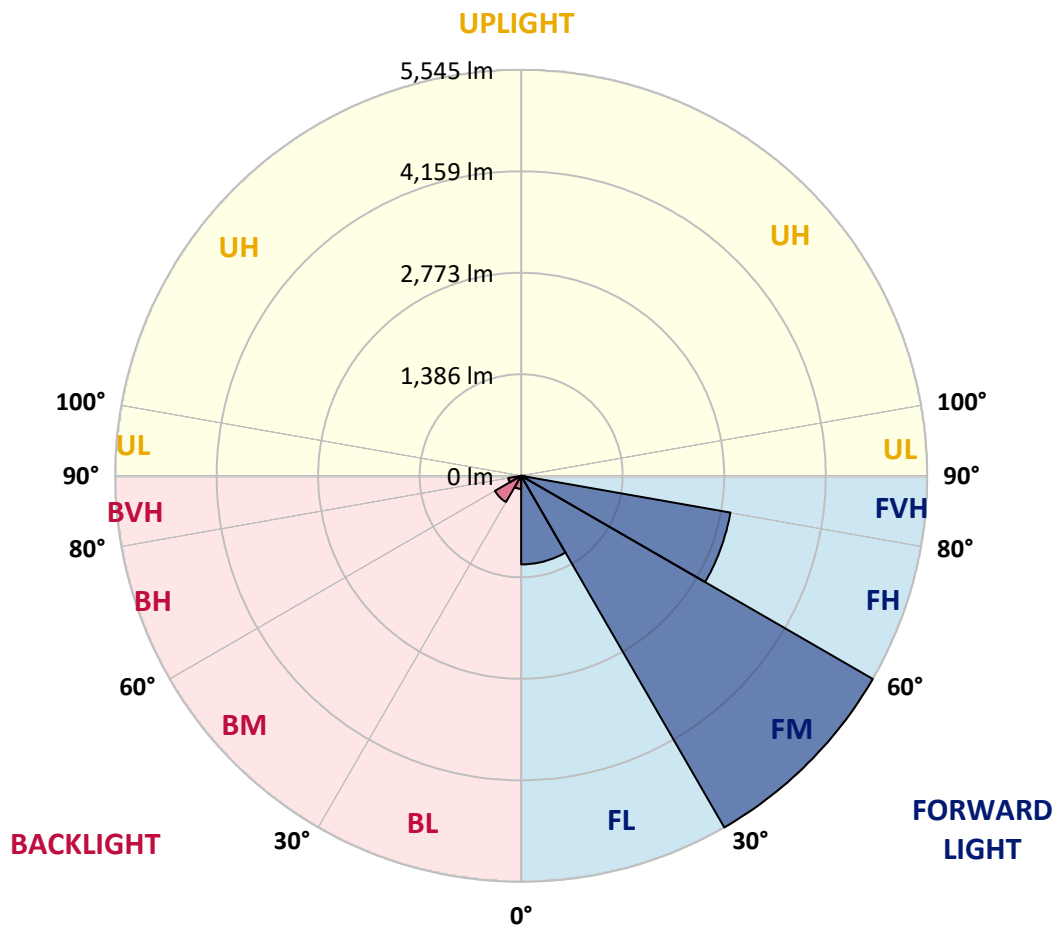
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1209.8	11.5			
FM	(30°-60°)	5545.2	52.9			
FH	(60°-80°)	2901.5	27.7			G2/5000
FVH	(80°-90°)	47.9	0.5			G1/100
BL	(0°-30°)	178.4	1.7	B1/500		
BM	(30°-60°)	412.9	3.9	B1/1000		
BH	(60°-80°)	178.4	1.7	B1/500		G1/500
BVH	(80°-90°)	0.9	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°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9
2.5°	1672.4	1682.8	1667.8	1639.2	1596.3	1568.3	1500.0	1435.6	1364.0	1341.3	1269.7
5°	2038.6	2047.7	2030.8	1999.5	1942.3	1887.7	1797.9	1663.2	1523.4	1478.5	1351.7
7.5°	2309.8	2315.0	2308.5	2279.9	2225.3	2163.5	2063.3	1903.9	1696.4	1647.0	1452.5
10°	2505.0	2521.9	2519.9	2508.9	2472.4	2422.3	2315.7	2134.2	1890.3	1826.5	1566.3
12.5°	2634.4	2653.3	2664.3	2689.0	2687.1	2655.2	2561.5	2369.7	2083.5	2008.6	1694.5
15°	2672.1	2692.3	2734.6	2791.8	2842.6	2858.8	2793.1	2600.6	2296.2	2200.5	1825.9
17.5°	2650.7	2681.9	2732.6	2823.0	2934.3	3007.8	3000.6	2823.7	2489.3	2380.1	1954.7
20°	2698.1	2728.1	2767.7	2843.9	2973.3	3106.6	3160.0	3037.0	2681.2	2566.8	2090.0
22.5°	2960.9	2955.7	2959.6	2972.0	3049.4	3181.4	3291.4	3230.9	2871.2	2754.1	2233.1
25°	3377.2	3353.8	3314.1	3247.1	3227.6	3291.4	3405.9	3402.6	3071.5	2946.0	2379.4
27.5°	3854.7	3850.8	3757.8	3596.4	3505.4	3480.7	3535.3	3569.8	3269.9	3135.9	2526.4
30°	4312.0	4322.4	4196.8	4017.3	3850.1	3753.2	3703.8	3728.5	3471.6	3340.8	2678.0
32.5°	4710.0	4721.1	4584.5	4374.4	4167.6	4050.5	3946.4	3885.3	3691.4	3549.0	2844.5
35°	5046.3	5057.4	4900.6	4668.4	4447.9	4341.9	4224.1	4057.0	3912.6	3779.9	3029.9
37.5°	5346.9	5343.6	5133.5	4899.3	4682.7	4598.8	4537.0	4268.4	4140.2	4012.1	3235.4
40°	5524.4	5538.1	5358.6	5100.3	4890.2	4829.1	4825.2	4530.5	4403.0	4278.8	3460.5
42.5°	5576.5	5600.5	5470.4	5258.4	5067.8	5001.5	5103.6	4814.1	4708.7	4587.8	3714.8
45°	5482.8	5506.2	5447.0	5300.0	5188.8	5145.9	5343.0	5108.1	5035.3	4915.6	4001.7
47.5°	5209.6	5238.9	5253.2	5222.0	5220.7	5264.2	5557.6	5417.8	5423.0	5300.7	4334.1
50°	4680.8	4730.2	4861.6	4972.2	5143.3	5357.9	5766.4	5753.4	5860.1	5754.7	4767.3
52.5°	3719.4	3789.6	4242.4	4544.8	4929.3	5340.4	5996.0	6292.0	6627.0	6472.8	5378.1
55°	2988.9	2988.9	3357.1	3923.0	4511.7	5224.6	6096.2	6641.9	7149.3	7112.9	5808.0
57.5°	2436.7	2465.9	2700.7	3201.0	3907.4	4948.8	6158.0	6861.8	7570.2	7543.5	6228.2
60°	1503.9	1567.0	2010.6	2504.3	3219.8	4457.7	6119.0	7084.3	8080.8	8102.2	6734.3
62.5°	846.9	870.3	1068.1	1801.8	2503.7	3797.4	5820.4	7208.5	8733.9	8824.9	7256.0
65°	584.8	596.5	672.6	1121.4	1735.5	3023.4	5236.9	7131.1	9388.2	9572.3	7698.3
67.5°	424.8	430.6	478.1	684.9	1029.7	2192.1	4322.4	6740.8	9734.9	10042.6	7782.9
70°	326.5	330.4	364.9	450.1	608.2	1353.0	3139.2	5964.8	9483.8	9851.4	7349.7
72.5°	265.4	269.3	296.0	333.0	403.3	800.1	1902.6	4844.0	8375.4	8772.2	6256.9
75°	223.8	229.0	253.0	277.1	316.1	513.9	892.4	3373.3	6298.5	6558.7	4351.0
77.5°	124.2	114.5	205.5	229.6	266.7	325.2	417.6	1985.2	3527.5	3599.7	1930.6
80°	77.4	80.0	163.3	184.7	204.9	163.9	191.2	764.3	1222.9	1161.7	374.0
82.5°	4.6	10.4	125.5	133.3	140.5	70.3	72.2	259.5	294.7	270.6	66.3
85°	0.0	0.0	57.2	46.2	48.8	20.2	20.8	60.5	39.7	42.9	13.0
87.5°	0.0	0.0	0.0	1.3	0.0	2.0	3.9	5.2	2.0	2.6	4.6
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°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9
2.5°	1224.2	1178.7	1086.3	995.9	922.4	854.1	805.3	759.1	735.7	734.4	733.1
5°	1261.3	1165.6	980.9	817.6	686.2	580.9	512.6	463.8	439.1	430.6	429.3
7.5°	1313.3	1169.5	888.5	661.5	506.7	416.3	377.3	361.7	356.5	350.6	349.3
10°	1379.0	1178.7	805.9	532.7	399.4	353.9	338.2	331.7	327.8	323.9	322.6
12.5°	1452.5	1187.1	724.0	442.3	351.3	327.8	316.8	309.0	303.8	299.2	297.9
15°	1524.0	1192.3	638.8	379.2	326.5	307.7	296.0	287.5	280.4	275.1	274.5
17.5°	1595.0	1199.5	558.8	341.5	306.4	287.5	275.8	265.4	259.5	253.7	253.0
20°	1673.7	1198.2	483.3	314.8	286.2	267.3	255.0	245.2	239.4	232.9	232.2
22.5°	1746.5	1191.7	417.0	292.1	265.4	247.2	233.5	223.8	217.9	212.7	212.1
25°	1830.4	1186.5	361.7	271.2	245.9	227.7	212.7	203.6	197.1	192.5	191.9
27.5°	1911.1	1178.7	321.3	252.4	227.0	209.5	195.1	184.7	178.9	175.6	175.6
30°	1990.4	1176.7	306.4	234.2	210.1	192.5	178.2	168.5	163.9	162.6	162.0
32.5°	2086.1	1181.9	312.9	227.7	194.5	176.9	163.3	156.1	151.6	151.6	151.6
35°	2188.2	1180.6	322.6	233.5	184.1	161.3	150.9	146.4	141.8	141.8	141.8
37.5°	2316.3	1182.6	330.4	243.3	180.2	148.3	142.5	136.6	134.0	134.0	134.0
40°	2507.6	1246.9	326.5	251.7	178.9	139.2	127.5	125.5	123.6	123.6	123.6
42.5°	2741.7	1386.8	331.7	252.4	178.2	132.7	117.1	121.0	116.4	115.8	115.1
45°	2998.0	1539.7	364.9	238.7	177.6	129.4	111.9	116.4	109.3	109.3	109.3
47.5°	3252.3	1691.2	398.7	219.2	175.6	128.8	107.3	104.7	102.8	103.4	103.4
50°	3602.9	1814.8	411.7	192.5	171.1	127.5	98.9	99.5	98.2	99.5	99.5
52.5°	3984.8	1840.8	396.1	162.6	158.1	123.6	93.0	95.6	95.0	96.3	96.3
55°	4222.8	1812.9	327.2	135.3	137.9	108.0	87.2	92.4	92.4	92.4	92.4
57.5°	4468.7	1693.8	232.2	109.9	114.5	88.5	82.0	89.1	88.5	87.8	87.8
60°	4645.7	1501.3	152.9	90.4	91.1	72.9	76.1	83.9	83.3	80.0	80.0
62.5°	4777.7	1288.6	98.2	76.8	69.6	65.7	69.6	76.1	73.5	66.3	65.0
65°	4762.7	993.9	75.5	65.7	57.2	57.2	60.5	66.3	58.5	46.8	45.5
67.5°	4485.0	672.6	62.4	55.3	48.1	47.5	50.1	55.3	50.1	39.7	38.4
70°	3988.7	439.7	50.1	42.9	38.4	35.1	40.3	47.5	42.3	31.9	30.6
72.5°	3237.4	268.0	37.7	31.2	28.0	22.8	31.9	39.0	33.8	23.4	22.1
75°	2094.5	136.6	26.0	20.2	15.0	13.7	23.4	29.3	23.4	14.3	12.4
77.5°	801.4	57.2	14.3	9.1	7.8	6.5	13.0	17.6	9.8	3.3	2.6
80°	154.2	24.1	7.2	4.6	3.9	2.6	2.0	1.3	0.0	0.0	0.0
82.5°	26.7	7.8	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	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)