

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: P942462

Luminaire Tested: **GALN-SB6C-727-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41755 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 300.9
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



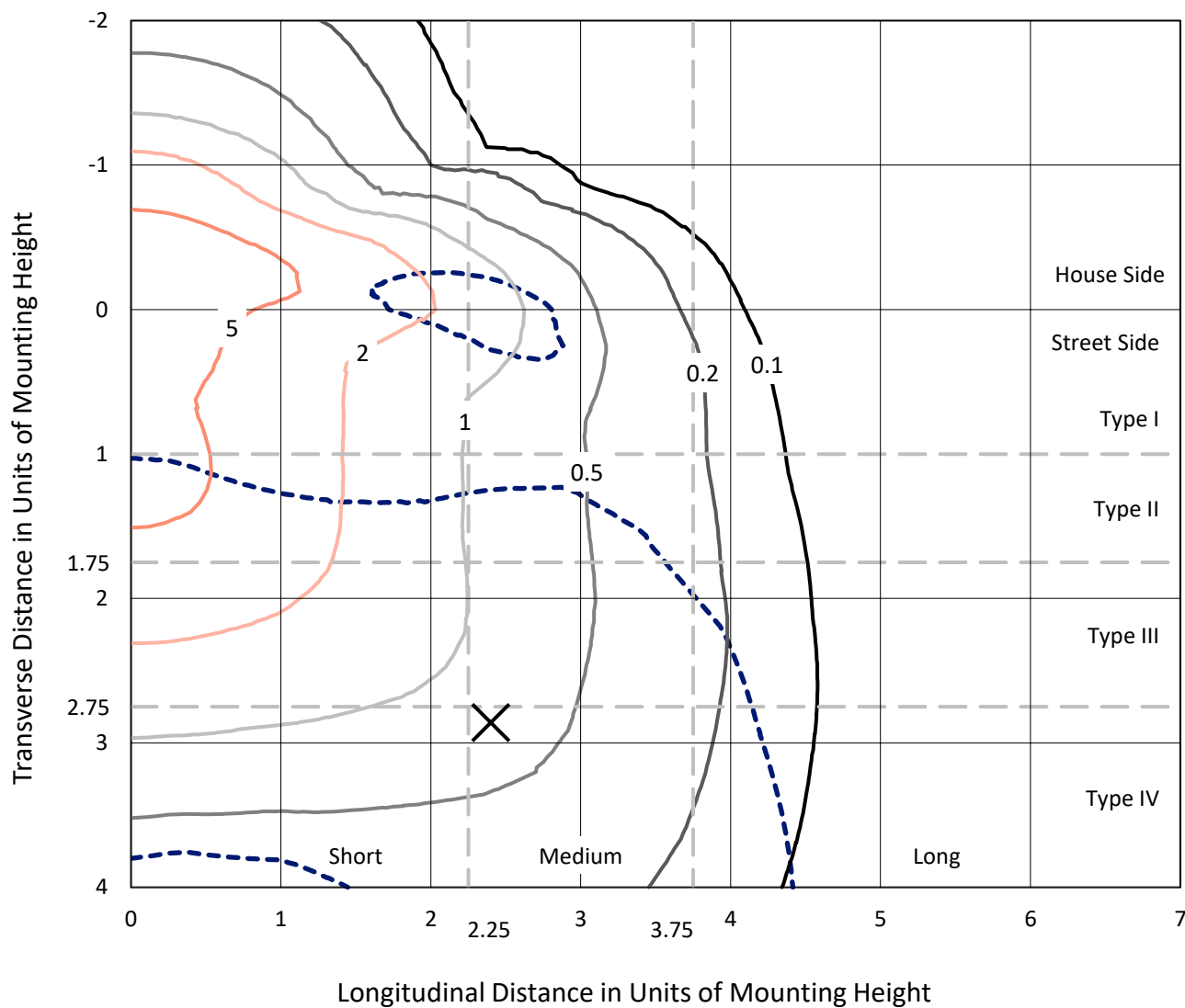
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Iso-Footcandle Lines of Horizontal Illumination

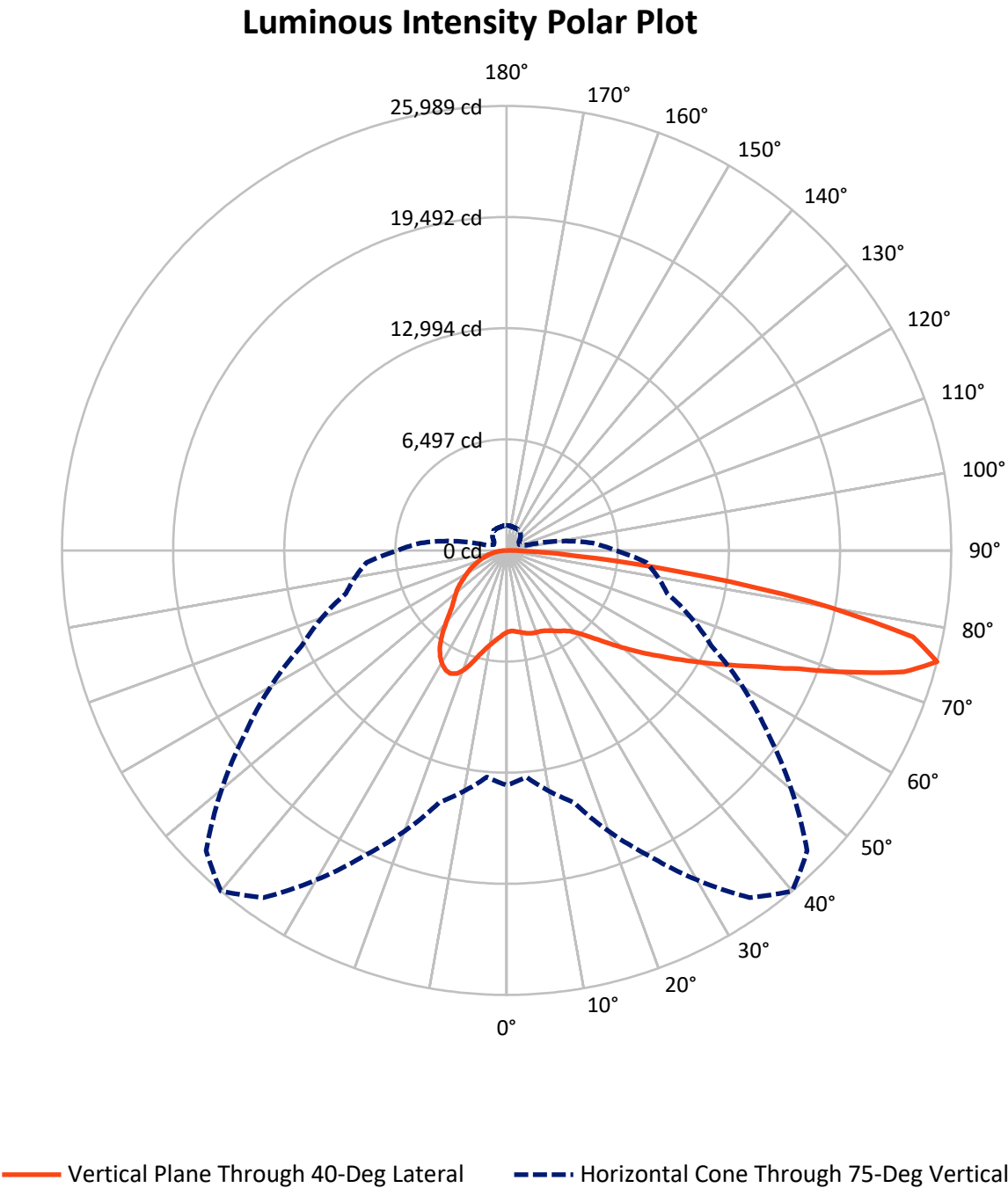
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
Type IV - Medium - N/A

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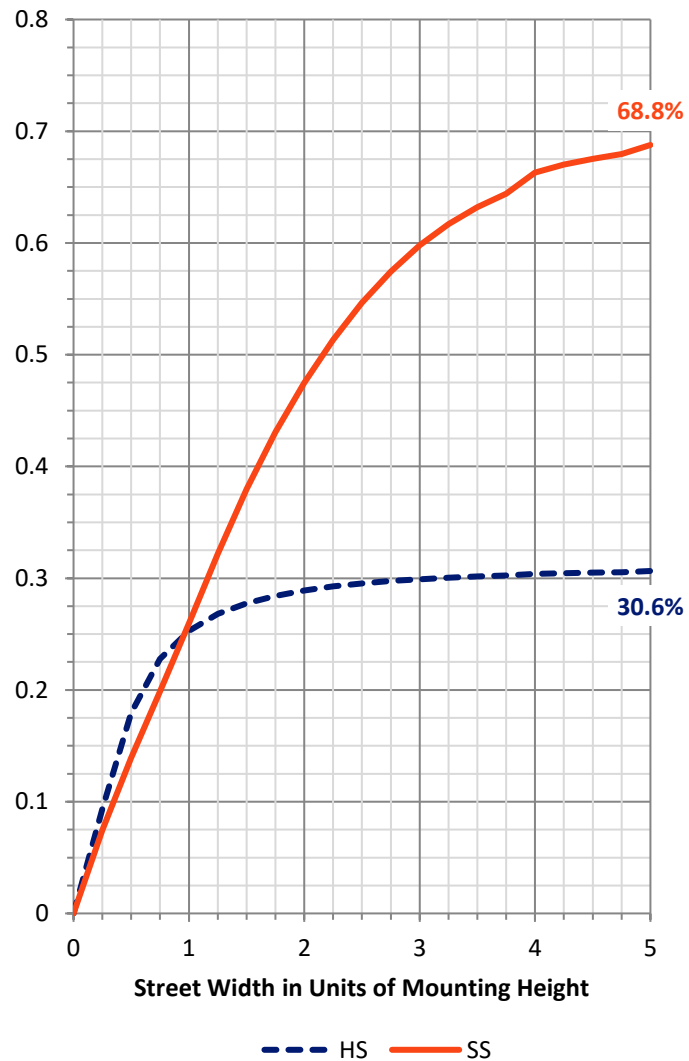
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12937.1	0.0	12937.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	28817.9	0.0	28817.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	41755.0	0.0	41755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.6	1.1
10°-20°	1600.2	3.8
20°-30°	2921.8	7.0
30°-40°	4144.0	9.9
40°-50°	5595.6	13.4
50°-60°	7527.6	18.0
60°-70°	9554.2	22.9
70°-80°	8671.0	20.8
80°-90°	1264.0	3.0
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°	41755.0	100.0
0°-180°	41755.0	100.0

Coefficient of Utilization



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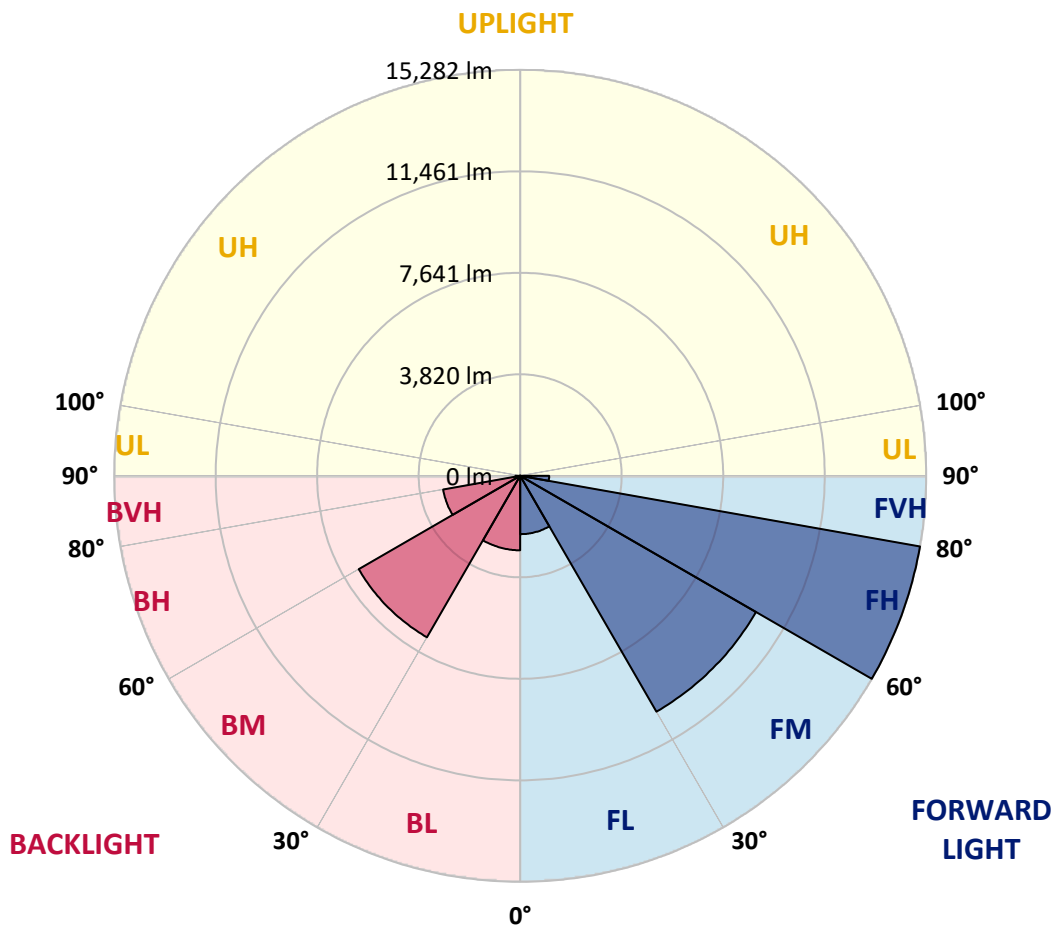
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2196.4	5.3			
FM	(30°-60°)	10249.9	24.5			
FH	(60°-80°)	15281.7	36.6			G5
FVH	(80°-90°)	1089.9	2.6			G5
BL	(0°-30°)	2802.3	6.7	B4/5000		
BM	(30°-60°)	7017.2	16.8	B4/8500		
BH	(60°-80°)	2943.6	7.0	B4/5000		G4/5000
BVH	(80°-90°)	174.0	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7
2.5°	4701.7	4728.2	4721.6	4712.7	4712.7	4714.9	4712.7	4728.2	4743.7	4759.2	4783.6
5°	4750.4	4777.0	4763.7	4752.6	4743.7	4741.5	4734.9	4732.7	4741.5	4761.5	4794.7
7.5°	4845.6	4872.2	4852.3	4832.3	4814.6	4805.7	4796.9	4783.6	4777.0	4788.0	4834.5
10°	4951.9	4978.5	4954.1	4918.7	4889.9	4878.8	4870.0	4856.7	4847.8	4854.5	4905.4
12.5°	5058.2	5084.8	5051.6	5002.8	4965.2	4958.6	4947.5	4943.1	4940.8	4938.6	4989.6
15°	5157.9	5180.0	5137.9	5080.4	5040.5	5029.4	5018.3	5025.0	5036.1	5049.4	5106.9
17.5°	5235.4	5257.5	5195.5	5120.2	5082.6	5078.1	5071.5	5093.6	5124.7	5157.9	5228.7
20°	5306.3	5328.4	5248.7	5146.8	5102.5	5102.5	5104.7	5151.2	5195.5	5244.2	5341.7
22.5°	5405.9	5423.6	5326.2	5186.7	5122.4	5126.9	5144.6	5191.1	5246.5	5312.9	5448.0
25°	5554.3	5567.6	5448.0	5262.0	5188.9	5202.2	5217.7	5239.8	5293.0	5370.5	5552.1
27.5°	5793.5	5804.5	5647.3	5394.8	5284.1	5306.3	5328.4	5312.9	5337.3	5403.7	5636.2
30°	6130.1	6136.7	5937.4	5603.0	5445.8	5456.8	5461.3	5397.1	5350.5	5403.7	5696.0
32.5°	6528.7	6526.5	6289.5	5855.5	5629.6	5618.5	5580.9	5454.6	5346.1	5392.6	5749.2
35°	7146.6	7122.2	6816.6	6209.8	5837.8	5769.1	5680.5	5518.9	5368.3	5381.5	5795.7
37.5°	8169.8	8094.5	7671.5	6790.1	6147.8	5972.9	5842.2	5622.9	5417.0	5377.1	5851.0
40°	9323.6	9228.4	8763.3	7585.1	6612.9	6331.6	6121.2	5771.3	5496.7	5397.1	5933.0
42.5°	10692.2	10557.1	10056.6	8521.9	7202.0	6794.5	6477.8	5959.6	5614.1	5461.3	6043.7
45°	12373.1	12193.7	11485.1	9578.3	7943.9	7401.3	6978.3	6245.3	5793.5	5585.3	6209.8
47.5°	14071.8	14116.0	13108.4	10787.5	8834.2	8149.8	7605.0	6674.9	6054.8	5784.6	6477.8
50°	15876.7	15907.7	14722.9	12127.3	9844.0	8995.8	8309.3	7155.5	6418.0	6068.1	6878.6
52.5°	17285.2	17289.6	16188.9	13529.2	10896.0	9926.0	9068.9	7704.7	6838.8	6444.6	7412.4
55°	18166.6	18155.5	17216.5	14855.7	12105.2	10902.6	9910.5	8329.2	7352.6	6887.5	8083.4
57.5°	18806.6	18773.4	17925.2	15996.3	13394.1	12056.4	10862.8	9037.9	7959.4	7414.6	8967.0
60°	19050.2	19030.3	18405.8	16981.8	14749.4	13332.1	11961.2	9830.7	8648.1	8036.9	10103.1
62.5°	19143.3	19180.9	18877.5	17936.3	16200.0	14745.0	13168.2	10778.6	9423.2	8741.1	11301.3
65°	19471.0	19539.7	19477.7	19185.3	17838.8	16399.3	14769.4	11905.8	10269.2	9496.3	12552.5
67.5°	20119.9	20188.6	20215.1	20680.2	19840.9	18461.1	16767.0	13309.9	11259.2	10280.3	13493.7
70°	20104.4	20084.5	20554.0	21869.5	22347.8	21315.8	19459.9	15037.3	12439.6	10931.4	13613.3
72.5°	18299.5	18140.0	19249.6	21856.2	24434.0	24296.7	22748.7	17265.2	13458.3	11011.1	11812.8
75°	13728.5	13303.3	15263.2	19696.9	24781.7	25988.7	24839.3	18647.2	13216.9	9728.9	8220.7
77.5°	5871.0	5443.6	7753.4	14581.1	22179.5	24294.5	22921.4	16268.7	10550.5	6433.5	4037.3
80°	1537.0	1534.7	2343.1	6610.7	15083.8	17940.7	15739.4	10506.2	6028.2	2298.8	1114.0
82.5°	635.6	620.1	861.5	2571.2	7370.3	10067.7	8216.3	4686.2	2177.0	622.3	369.8
85°	237.0	234.8	418.6	888.1	2600.0	4152.4	3005.3	1198.1	542.6	303.4	166.1
87.5°	66.4	64.2	90.8	307.8	633.4	961.1	513.8	197.1	152.8	119.6	48.7
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°	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7
2.5°	4790.2	4801.3	4821.2	4836.7	4856.7	4878.8	4909.8	4929.8	4949.7	4963.0	4954.1
5°	4810.2	4834.5	4885.5	4936.4	4996.2	5051.6	5115.8	5162.3	5199.9	5211.0	5215.5
7.5°	4854.5	4894.3	4980.7	5067.1	5162.3	5253.1	5346.1	5425.8	5490.1	5514.4	5516.6
10°	4932.0	4985.1	5106.9	5228.7	5355.0	5494.5	5614.1	5729.2	5820.0	5857.7	5859.9
12.5°	5029.4	5095.9	5255.3	5423.6	5598.6	5791.3	5946.3	6088.0	6201.0	6251.9	6251.9
15°	5155.7	5242.0	5445.8	5671.7	5928.6	6196.5	6393.6	6550.9	6677.1	6739.1	6734.7
17.5°	5293.0	5408.1	5665.0	6006.1	6373.7	6725.8	6956.1	7071.3	7202.0	7261.8	7259.6
20°	5425.8	5567.6	5935.2	6431.3	6920.7	7295.0	7481.0	7512.0	7520.9	7527.5	7545.2
22.5°	5563.1	5753.6	6274.0	6967.2	7492.1	7751.2	7777.8	7644.9	7458.9	7372.5	7396.9
25°	5713.7	5966.2	6717.0	7558.5	7983.7	8014.7	7811.0	7487.7	7135.5	6973.9	6998.2
27.5°	5859.9	6212.0	7248.5	8123.3	8338.1	8065.7	7627.2	7168.8	6743.5	6573.0	6593.0
30°	6006.1	6493.3	7835.4	8617.1	8499.7	7939.4	7337.1	6825.5	6398.1	6218.7	6238.6
32.5°	6154.5	6821.1	8510.8	8973.7	8471.0	7671.5	6976.1	6440.1	6063.7	5875.4	5899.8
35°	6322.8	7224.1	9150.8	9168.6	8278.3	7277.3	6499.9	5979.5	5651.7	5501.1	5534.4
37.5°	6542.0	7735.7	9715.6	9217.3	7941.7	6699.3	5908.6	5434.7	5164.5	5095.9	5144.6
40°	6814.4	8351.4	10147.4	9139.8	7443.4	5997.2	5262.0	4883.3	4730.4	4745.9	4799.1
42.5°	7168.8	9040.1	10450.8	8940.5	6750.2	5273.0	4695.0	4526.7	4599.8	4661.8	4719.4
45°	7629.4	9755.4	10639.1	8601.6	5966.2	4659.6	4360.6	4400.5	4455.8	4462.5	4506.8
47.5°	8218.5	10479.6	10763.1	8090.0	5166.7	4227.7	4148.0	4156.9	4145.8	4099.3	4134.7
50°	8953.7	11183.9	10873.8	7412.4	4486.8	3957.5	3851.2	3820.2	3667.4	3516.8	3536.8
52.5°	9790.9	11830.5	10920.3	6570.8	3957.5	3731.6	3558.9	3364.0	3078.3	3031.8	3047.3
55°	10721.0	12428.5	10800.7	5536.6	3512.4	3441.5	3180.2	2945.5	2914.5	2874.6	2881.2
57.5°	11832.8	13073.0	10557.1	4382.8	3056.2	3102.7	2848.0	2874.6	2819.2	2757.2	2746.1
60°	13048.6	13739.6	10129.7	3330.8	2584.5	2679.7	2761.6	2759.4	2743.9	2693.0	2675.3
62.5°	14142.6	14178.1	9288.2	2551.3	2170.3	2351.9	2575.6	2573.4	2560.1	2531.3	2520.2
65°	14793.7	14111.6	7884.1	2008.7	1829.3	2081.8	2323.1	2340.9	2343.1	2340.9	2340.9
67.5°	14678.6	13334.3	5957.4	1599.0	1548.0	1807.1	2072.9	2097.3	2115.0	2119.4	2123.8
70°	13376.4	11626.8	3884.5	1275.6	1297.8	1565.7	1835.9	1860.3	1875.8	1893.5	1902.4
72.5°	10426.5	8548.5	2223.5	1032.0	1078.5	1357.6	1601.2	1630.0	1638.8	1672.0	1685.3
75°	6353.8	5027.2	1200.3	812.8	885.9	1160.5	1368.6	1401.9	1417.4	1457.2	1461.7
77.5°	3020.8	2177.0	684.3	633.4	713.1	947.9	1156.0	1193.7	1151.6	1173.8	1156.0
80°	1020.9	808.3	431.9	482.8	544.8	739.7	925.7	963.4	874.8	870.3	861.5
82.5°	356.6	327.8	274.6	321.1	352.1	529.3	699.8	748.5	651.1	648.9	617.9
85°	139.5	132.9	152.8	175.0	210.4	325.6	460.6	485.0	400.8	323.3	318.9
87.5°	28.8	31.0	37.6	39.9	64.2	112.9	166.1	203.7	161.7	137.3	126.2
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)