

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: STREETWORKS

Report Number: P533104

Luminaire Tested: **GLAN-SA8C-730-U-T2R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533104
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-730-U-T2R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45433 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 429
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

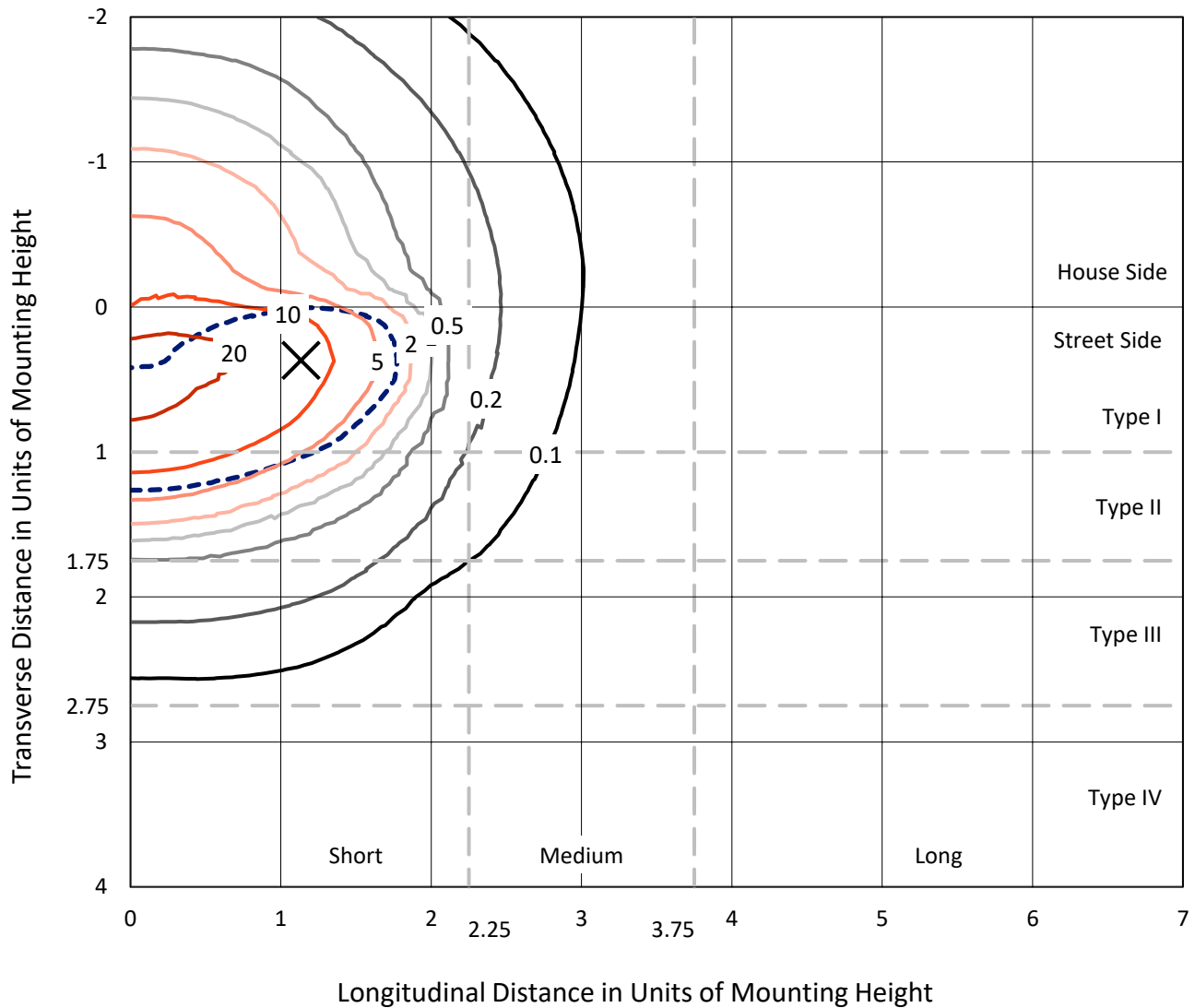


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Iso-Footcandle Lines of Horizontal Illumination

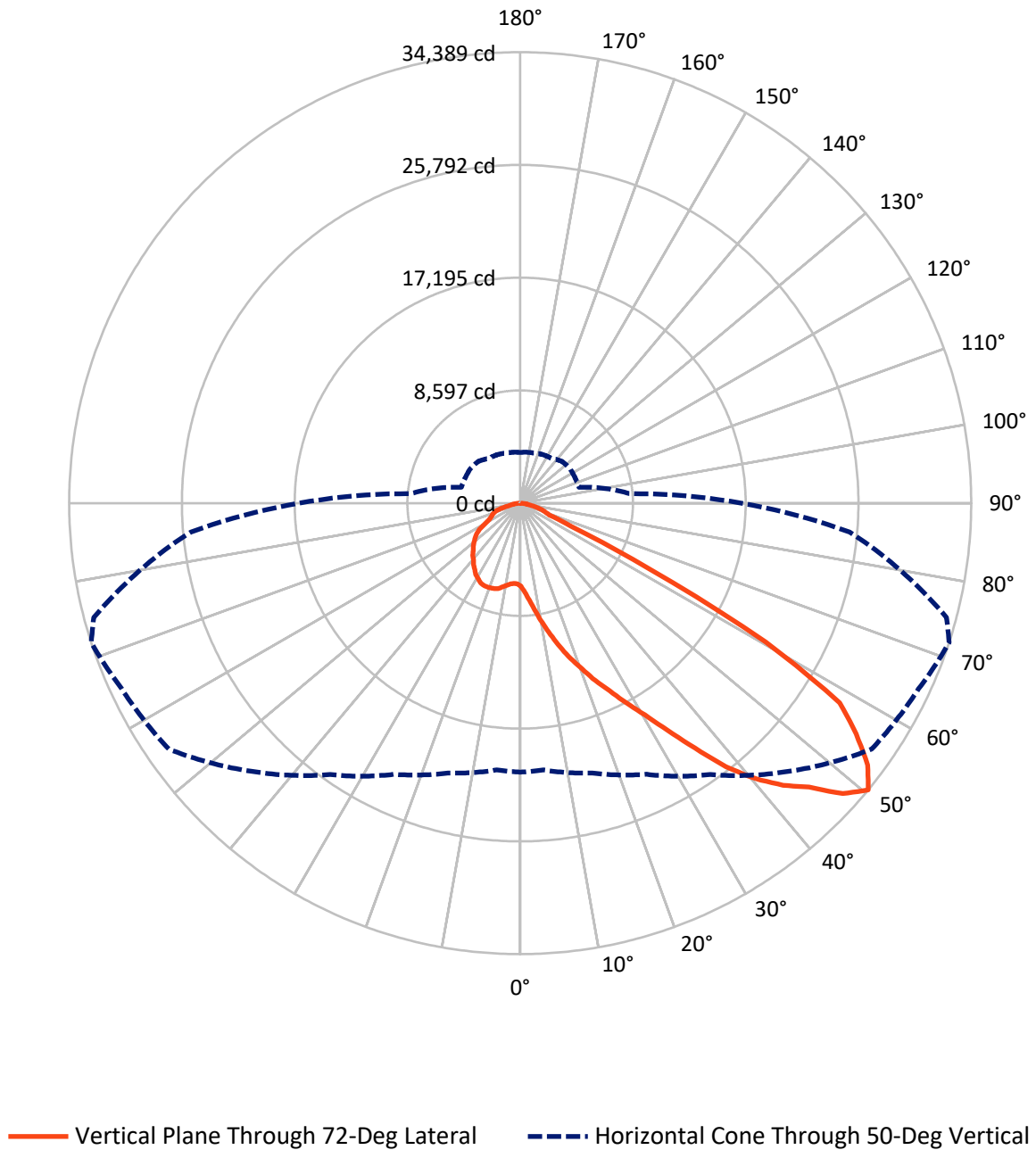
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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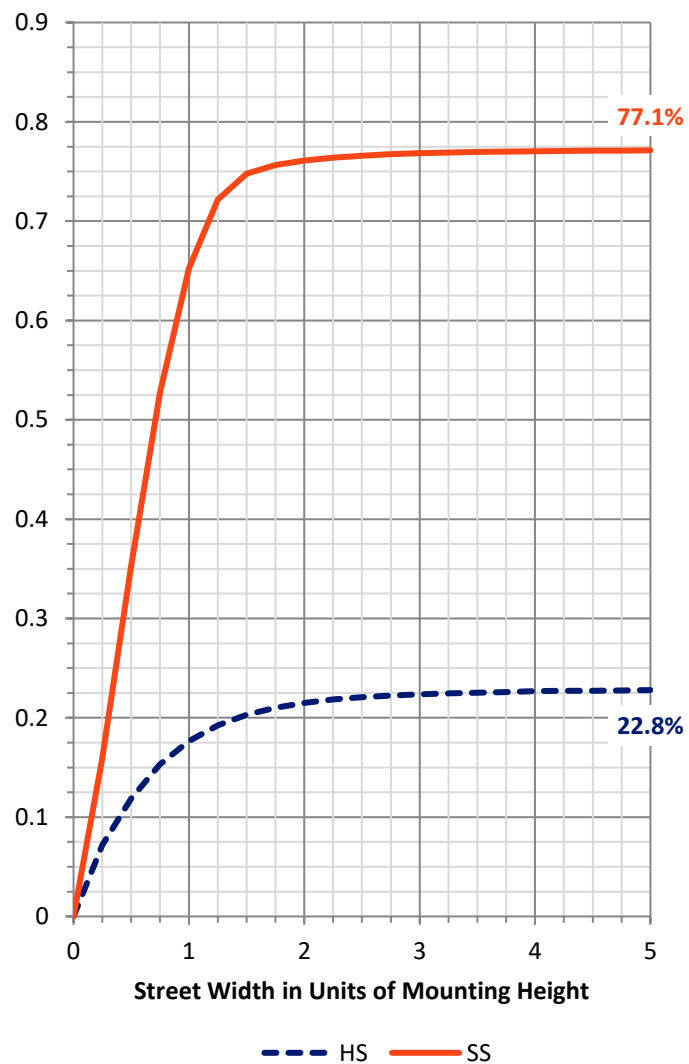
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10409.0	0.0	10409.0
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	35024.0	0.0	35024.0
	% Fixture	77.1	0.0	77.1
Total	Lumens	45433.0	0.0	45433.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.9	1.6
10°-20°	2781.1	6.1
20°-30°	5392.4	11.9
30°-40°	8933.3	19.7
40°-50°	12499.6	27.5
50°-60°	10545.0	23.2
60°-70°	3214.1	7.1
70°-80°	1127.6	2.5
80°-90°	196.0	0.4
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°	45433.0	100.0
0°-180°	45433.0	100.0

Coefficient of Utilization



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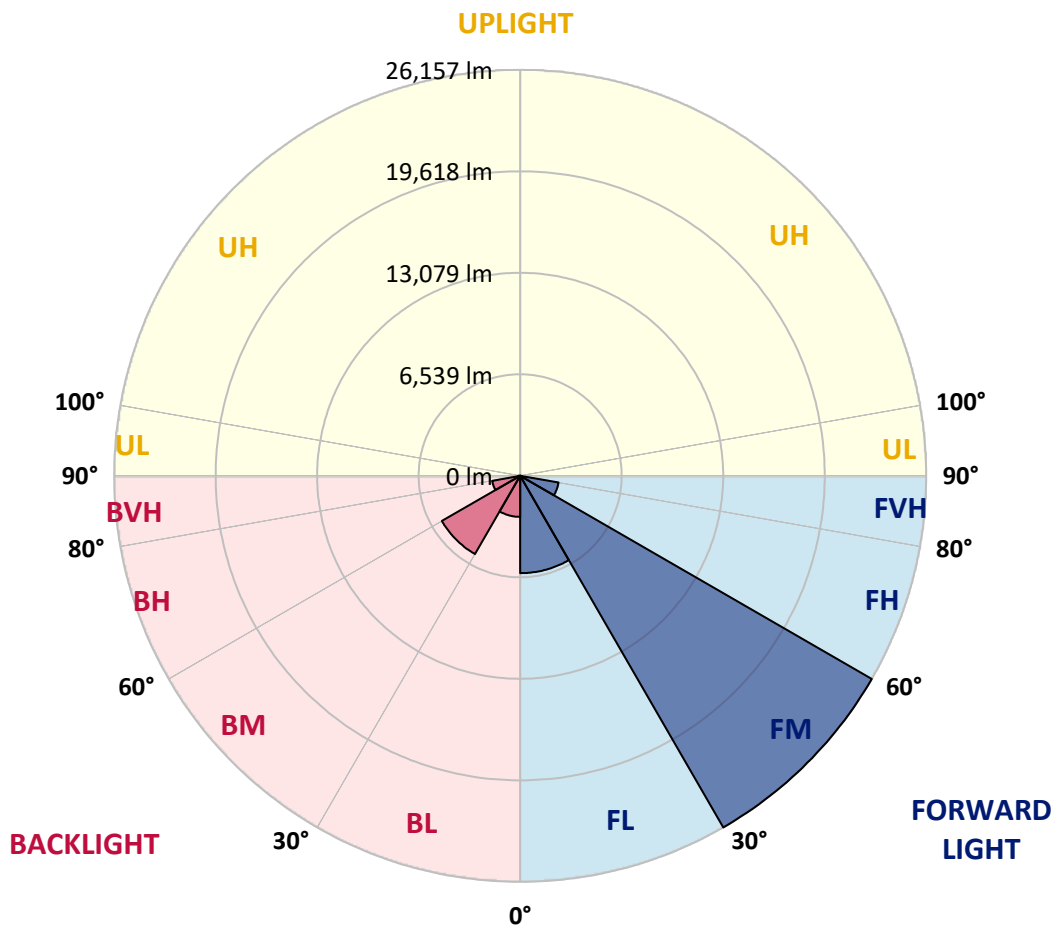
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6271.4	13.8			
FM	(30°-60°)	26157.0	57.6			
FH	(60°-80°)	2507.8	5.5			G2/5000
FVH	(80°-90°)	87.8	0.2			G1/100
BL	(0°-30°)	2646.0	5.8	B4/5000		
BM	(30°-60°)	5820.9	12.8	B4/8500		
BH	(60°-80°)	1833.9	4.0	B3/2500		G3/2500
BVH	(80°-90°)	108.2	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7
2.5°	8134.9	8084.3	7932.5	7881.9	7702.0	7376.0	7263.5	6931.8	6791.3	6662.0	6510.2
5°	10288.1	10052.0	10035.1	9748.4	9332.4	9090.6	8371.0	7887.6	7443.4	7218.5	6802.5
7.5°	11659.9	11665.5	11665.5	11429.4	11097.7	10484.9	9838.4	8967.0	8298.0	7966.3	7257.9
10°	12964.1	12851.7	12789.9	12767.4	12542.5	11946.6	11255.1	10175.7	9259.3	8871.4	7600.8
12.5°	13886.1	13790.6	13931.1	13858.0	13695.0	13307.1	12654.9	11423.7	10276.9	9754.0	8151.8
15°	14324.7	14392.1	14504.6	14706.9	14633.9	14487.7	13768.1	12705.5	11373.1	10782.8	8640.9
17.5°	14999.3	14813.8	14948.7	15201.7	15404.1	15336.6	14926.2	13633.2	12458.2	11732.9	9298.7
20°	15471.5	15364.7	15432.2	15724.5	15876.3	16258.6	16045.0	14847.5	13498.2	12733.7	10074.5
22.5°	16820.8	16663.4	16444.1	16489.1	16545.3	16815.2	16865.8	16179.9	14706.9	13897.4	10811.0
25°	18484.9	18338.7	18080.1	17815.9	17652.8	17602.2	17776.5	17225.6	15865.1	15027.4	11603.6
27.5°	20317.6	20070.3	19907.2	19361.9	18923.4	18855.9	18771.6	18473.6	17236.8	16331.7	12497.5
30°	22099.8	21903.0	21683.7	20812.4	20357.0	20283.9	19867.9	19952.2	18726.6	17720.3	13509.5
32.5°	23449.0	23465.9	22965.5	22307.8	21880.5	21492.6	21340.8	21582.6	20638.1	19828.5	14639.5
35°	24539.7	24590.3	24112.4	23516.5	23055.5	23325.3	23257.9	23370.3	22920.6	21931.1	15955.0
37.5°	25602.2	25349.2	24837.6	24550.9	24309.2	24753.3	25326.8	25422.3	25506.7	24342.9	17484.2
40°	25776.5	25799.0	25501.0	25703.4	25399.8	26068.8	27401.2	27277.6	27620.5	26602.9	19142.6
42.5°	25529.1	25579.7	25697.8	25984.5	26715.4	27519.3	29498.2	28992.2	29408.3	28503.1	20756.1
45°	25124.4	24916.4	25062.5	26153.2	27418.1	29205.9	31415.3	31021.8	30886.8	30127.9	22678.8
47.5°	23190.4	23404.1	23859.4	25203.1	27103.3	29498.2	32775.8	32685.8	33090.6	32556.5	24427.2
50°	20508.8	20424.4	21301.5	22813.8	25264.9	28924.8	32702.7	33517.9	34389.3	33647.2	25208.7
52.5°	15359.1	15808.8	16562.2	18439.9	21936.7	25799.0	31106.1	32466.6	33175.0	33017.5	24579.0
55°	9709.1	9844.0	10299.4	12531.3	15679.5	20705.5	26664.8	29818.7	31083.6	31673.9	24000.0
57.5°	4716.8	4463.8	5020.4	6813.8	9056.9	13925.5	20565.0	25973.3	28722.4	29790.6	22740.7
60°	2462.4	2558.0	2777.2	3418.1	4683.1	7229.8	12818.0	17309.9	21509.5	23151.1	17236.8
62.5°	2040.8	2074.5	2220.7	2541.1	3114.5	4160.2	6543.9	8438.5	10968.4	12446.9	9804.6
65°	1731.6	1748.4	1905.8	2119.5	2484.9	2929.0	3367.5	3524.9	4267.0	4379.5	3485.6
67.5°	1444.8	1461.7	1630.4	1832.7	2068.9	2186.9	2299.4	2288.1	2372.5	2338.7	2333.1
70°	1113.1	1130.0	1304.3	1517.9	1636.0	1568.5	1917.1	1995.8	2029.5	2057.6	2102.6
72.5°	803.9	837.7	972.6	1124.4	1062.5	1220.0	1579.8	1697.8	1742.8	1759.7	1815.9
75°	584.7	595.9	629.7	584.7	674.6	848.9	1113.1	1259.3	1315.5	1332.4	1416.7
77.5°	258.6	264.2	269.9	337.3	432.9	528.5	663.4	781.4	860.2	882.6	905.1
80°	134.9	140.5	174.3	230.5	309.2	387.9	483.5	550.9	601.5	607.2	629.7
82.5°	84.3	90.0	123.7	163.0	219.3	286.7	354.2	410.4	449.8	455.4	461.0
85°	39.4	50.6	73.1	101.2	146.2	185.5	191.1	163.0	174.3	179.9	168.7
87.5°	11.2	16.9	22.5	16.9	22.5	22.5	28.1	33.7	33.7	33.7	39.4
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°	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7	6324.7
2.5°	6425.9	6375.3	6178.5	6105.4	5914.3	5948.0	5846.8	5841.2	5818.7	5813.1	5807.4
5°	6583.3	6425.9	6189.7	6009.8	5903.0	5891.8	5818.7	5818.7	5841.2	5858.0	5818.7
7.5°	6841.9	6662.0	6262.8	6094.2	5998.6	5981.7	5931.1	5891.8	5942.4	5925.5	5880.5
10°	7139.8	6825.0	6403.4	6257.2	6099.8	6060.4	6060.4	6077.3	5993.0	6021.1	5976.1
12.5°	7471.5	7049.9	6583.3	6414.6	6229.1	6206.6	6195.4	6071.7	6116.6	6094.2	5981.7
15°	7893.2	7308.5	6813.8	6527.1	6369.6	6268.4	6122.3	6099.8	6071.7	6015.5	5964.9
17.5°	8348.6	7589.6	6920.6	6560.8	6324.7	6251.6	6139.1	6021.1	5936.7	5948.0	5908.6
20°	8736.5	7848.2	6959.9	6594.5	6290.9	6150.4	5976.1	5903.0	5813.1	5807.4	5801.8
22.5°	9197.5	8196.8	7016.2	6504.6	6189.7	6043.6	5925.5	5796.2	5734.4	5655.7	5695.0
25°	9748.4	8331.7	7027.4	6454.0	6116.6	5858.0	5796.2	5655.7	5633.2	5520.7	5543.2
27.5°	10147.6	8404.8	6937.5	6296.6	5948.0	5751.2	5638.8	5537.6	5498.2	5413.9	5391.4
30°	10681.6	8517.2	6746.3	6099.8	5779.3	5560.1	5492.6	5470.1	5357.7	5267.7	5256.5
32.5°	11288.8	8590.3	6622.6	5897.4	5605.1	5436.4	5470.1	5363.3	5222.8	5144.1	5121.6
35°	11772.3	8618.4	6313.4	5666.9	5487.0	5380.2	5340.8	5318.3	5115.9	5042.9	4986.6
37.5°	12508.8	8556.6	6054.8	5503.9	5357.7	5318.3	5284.6	5132.8	4902.3	4795.5	4716.8
40°	13368.9	8539.7	5723.1	5273.4	5234.0	5279.0	5177.8	4941.7	4621.2	4503.2	4446.9
42.5°	14195.4	8657.8	5515.1	5149.7	5099.1	5115.9	4975.4	4621.2	4463.8	4396.3	4306.4
45°	15578.3	8905.1	5172.2	4958.5	4936.0	4924.8	4756.1	4385.1	4295.1	4210.8	4194.0
47.5°	16826.4	8742.1	4952.9	4761.8	4784.3	4722.4	4362.6	4244.6	4143.4	4059.0	4030.9
50°	16899.5	8354.2	4643.7	4610.0	4615.6	4508.8	4165.8	4087.1	3957.8	3901.6	3862.3
52.5°	16517.2	7718.9	4357.0	4368.2	4385.1	4210.8	3924.1	3867.9	3761.1	3682.4	3659.9
55°	15443.4	6729.4	4075.9	4120.9	4165.8	3834.2	3744.2	3603.7	3519.3	3406.9	3412.5
57.5°	13605.0	5419.5	3682.4	3755.4	3851.0	3485.6	3418.1	3243.8	3120.2	3030.2	3019.0
60°	9118.8	3856.6	3092.1	3120.2	3333.8	3187.6	3182.0	3007.7	2839.1	2760.4	2715.4
62.5°	5380.2	2945.9	2670.4	2642.3	2636.7	2721.0	2861.6	2799.7	2580.5	2428.7	2473.6
65°	2816.6	2546.7	2484.9	2389.3	2333.1	2310.6	2417.4	2445.5	2299.4	2136.3	2125.1
67.5°	2366.8	2366.8	2316.2	2282.5	2203.8	2108.2	2040.8	1950.8	1928.3	1883.3	1827.1
70°	2153.2	2209.4	2192.5	2113.8	2046.4	1939.6	1765.3	1619.1	1478.6	1428.0	1461.7
72.5°	1877.7	1933.9	1933.9	1894.6	1804.6	1641.6	1472.9	1304.3	1186.2	1096.3	1085.0
75°	1444.8	1472.9	1540.4	1495.4	1377.4	1276.2	1101.9	927.6	815.2	730.8	714.0
77.5°	922.0	967.0	967.0	961.3	877.0	781.4	669.0	545.3	461.0	399.2	382.3
80°	612.8	640.9	663.4	640.9	584.7	511.6	427.3	342.9	281.1	230.5	219.3
82.5°	449.8	483.5	500.4	477.9	421.6	365.4	303.6	241.7	179.9	140.5	129.3
85°	174.3	179.9	202.4	241.7	236.1	230.5	185.5	134.9	101.2	73.1	67.5
87.5°	45.0	39.4	45.0	45.0	39.4	33.7	33.7	33.7	33.7	16.9	22.5
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)