

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: P455244

Luminaire Tested: **GLAN-SA6B-830-U-SL3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-830-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22180 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

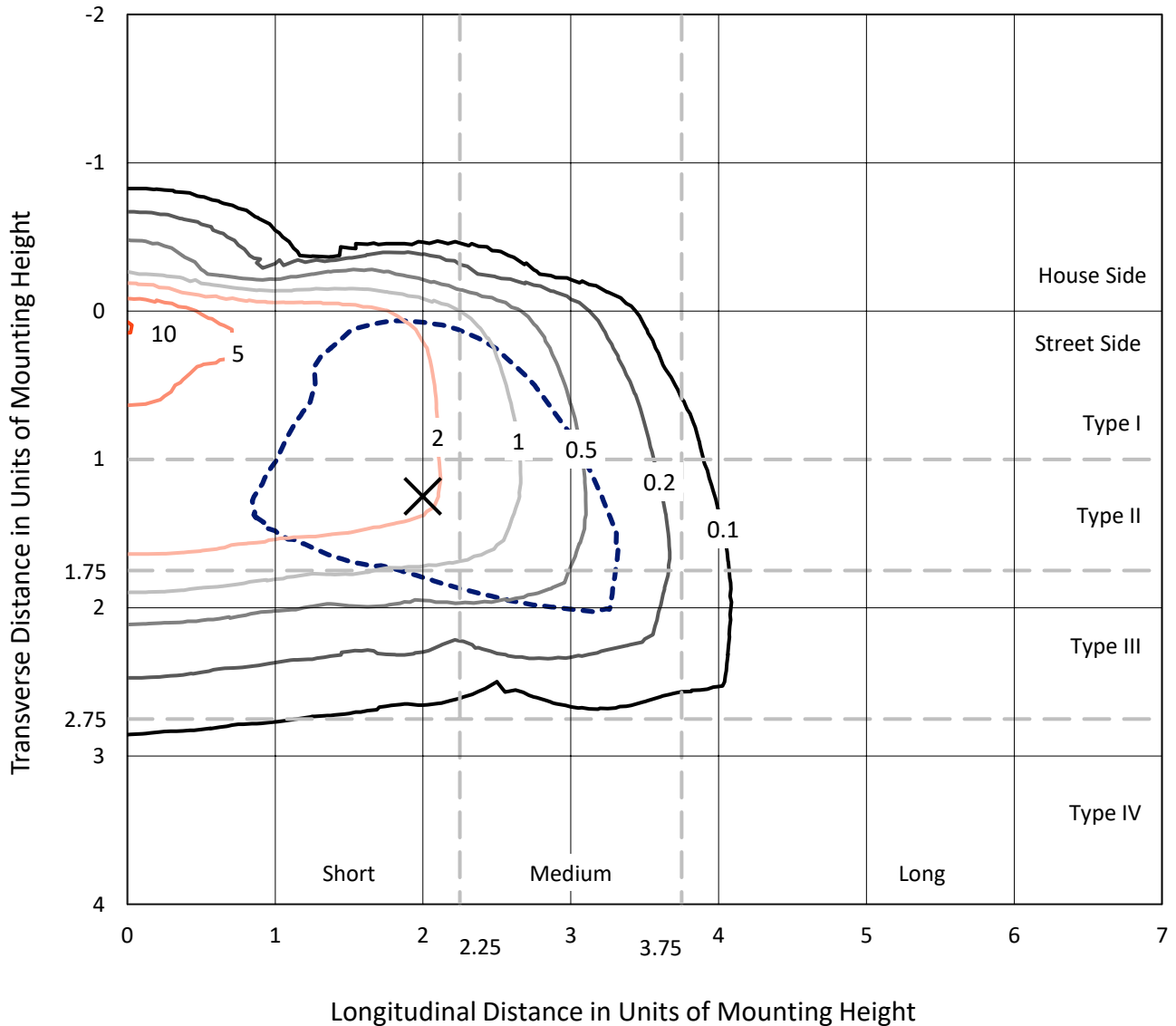
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455244
 CATALOG NUMBER: GLAN-SA6B-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

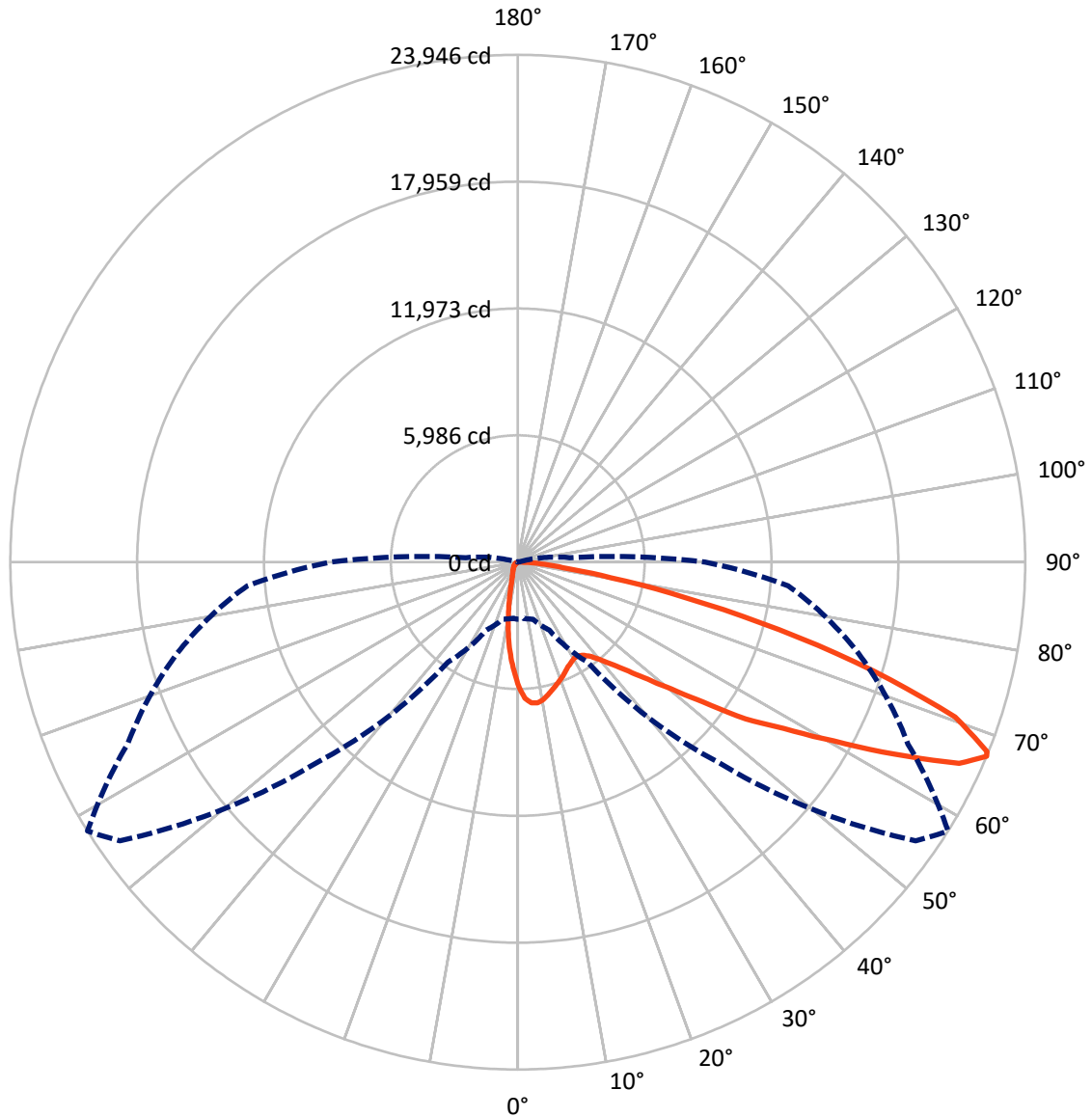
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Short - N/A

REPORT NUMBER: P455244
CATALOG NUMBER: GLAN-SA6B-830-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P455244

CATALOG NUMBER: GLAN-SA6B-830-U-SL3-HSS

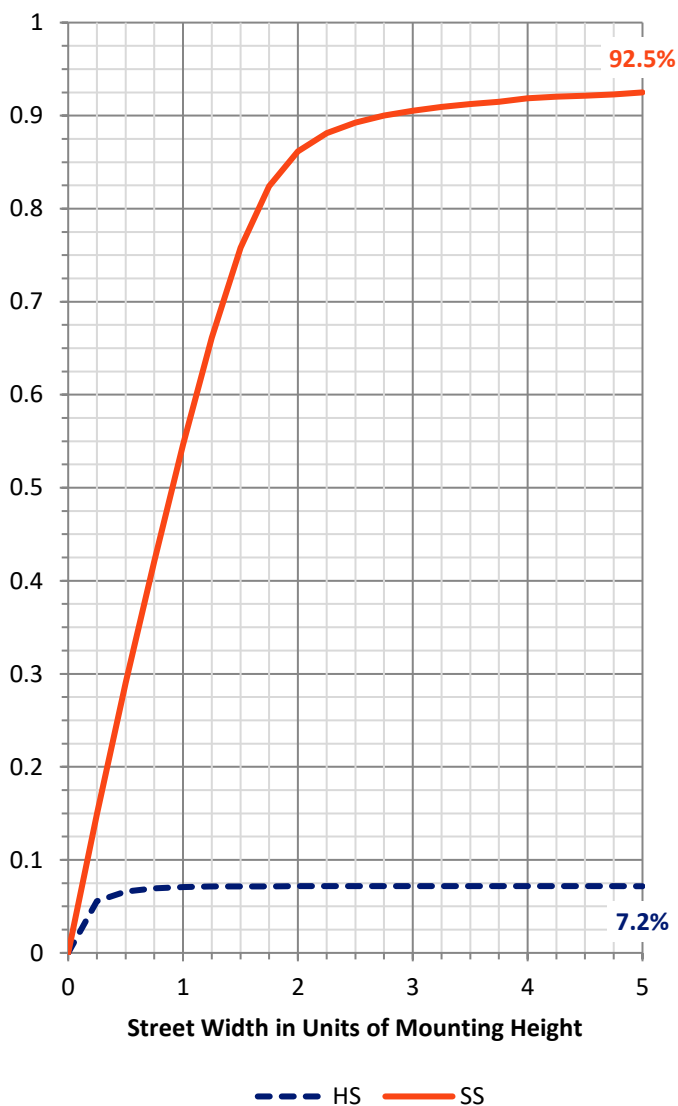
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1600.7	0.0	1600.7
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	20579.4	0.0	20579.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	22180.0	0.0	22180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.1	2.2
10°-20°	1030.5	4.6
20°-30°	1396.4	6.3
30°-40°	1936.7	8.7
40°-50°	3088.8	13.9
50°-60°	5339.2	24.1
60°-70°	6099.0	27.5
70°-80°	2542.7	11.5
80°-90°	269.6	1.2
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°	22180.0	100.0
0°-180°	22180.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455244

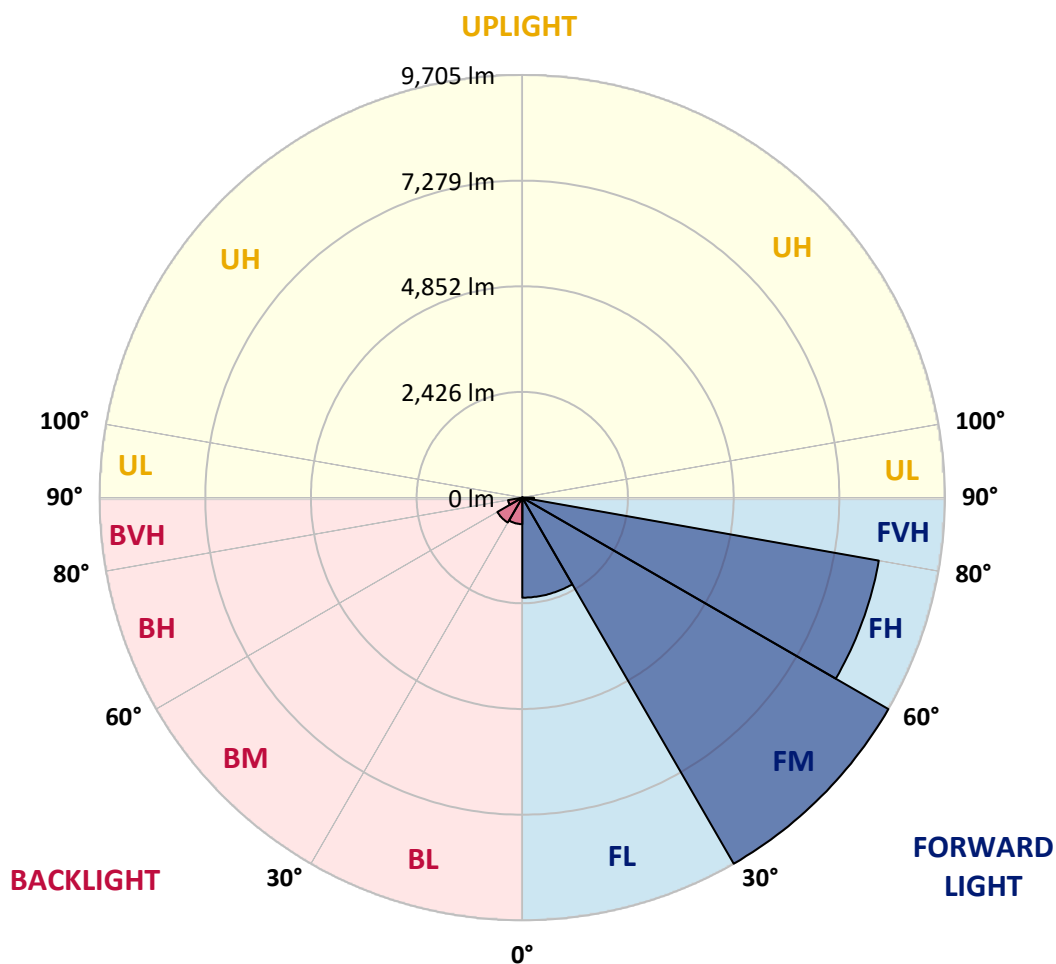
CATALOG NUMBER: GLAN-SA6B-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2296.2	10.4			
FM (30°-60°)	9704.7	43.8			
FH (60°-80°)	8310.9	37.5			G4/12000
FVH (80°-90°)	267.7	1.2			G3/500
BL (0°-30°)	607.8	2.7	B2/1000		
BM (30°-60°)	660.0	3.0	B1/1000		
BH (60°-80°)	330.9	1.5	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





REPORT NUMBER: P455244

CATALOG NUMBER: GLAN-SA6B-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7
2.5°	6823.8	6834.2	6795.7	6764.6	6684.5	6598.6	6484.4	6423.7	6319.9	6140.6	5942.0
5°	6983.9	6997.3	6991.3	6983.9	6952.8	6869.8	6724.5	6671.2	6518.5	6226.5	5867.9
7.5°	6628.2	6677.1	6683.0	6740.8	6795.7	6803.1	6748.3	6708.2	6567.4	6225.1	5735.9
10°	6156.9	6189.5	6236.9	6303.6	6435.5	6545.2	6598.6	6592.6	6511.1	6179.1	5581.8
12.5°	5681.1	5698.9	5771.5	5885.6	6047.2	6233.9	6376.2	6404.4	6405.9	6124.3	5452.9
15°	5272.0	5264.6	5320.9	5452.9	5679.6	5913.8	6168.7	6213.2	6284.3	6070.9	5332.8
17.5°	4922.2	4960.8	4969.7	5114.9	5323.9	5627.7	5952.3	6030.9	6173.2	6025.0	5233.5
20°	4705.8	4726.6	4745.9	4827.4	5015.6	5335.8	5749.3	5857.5	6069.4	5983.5	5122.3
22.5°	4642.1	4655.5	4639.1	4664.3	4797.7	5082.3	5528.4	5672.2	5970.1	5944.9	5031.9
25°	4691.0	4704.4	4665.8	4636.2	4682.1	4876.3	5315.0	5489.9	5890.1	5937.5	4963.7
27.5°	4809.6	4834.8	4781.4	4728.1	4701.4	4765.1	5147.5	5350.6	5835.2	5973.1	4932.6
30°	4994.9	5009.7	4969.7	4904.5	4843.7	4780.0	5060.1	5254.2	5820.4	6056.1	4929.7
32.5°	5196.4	5227.6	5205.3	5162.4	5083.8	4932.6	5085.3	5257.2	5856.0	6176.1	4966.7
35°	5445.4	5481.0	5501.8	5492.9	5392.1	5203.9	5245.4	5390.6	5950.9	6397.0	5067.5
37.5°	5690.0	5721.1	5838.2	5878.2	5789.3	5611.4	5556.6	5652.9	6159.8	6686.0	5249.8
40°	5970.1	6011.6	6176.1	6328.8	6285.8	6099.1	5998.3	6078.3	6480.0	7121.8	5595.1
42.5°	6238.4	6312.5	6563.0	6832.7	6872.8	6663.8	6597.1	6623.8	6954.3	7748.7	6076.8
45°	6619.3	6689.0	7012.1	7378.2	7566.4	7403.4	7335.2	7330.7	7604.9	8630.6	6857.9
47.5°	7169.2	7231.4	7612.4	7974.0	8309.0	8331.2	8202.3	8246.7	8423.1	9662.2	7815.4
50°	7843.6	7990.3	8240.8	8617.3	9064.9	9426.5	9466.5	9407.2	9558.4	10856.8	8965.6
52.5°	8823.3	8879.6	9109.3	9419.1	9943.8	10557.4	11033.2	10951.7	10904.2	11995.1	10127.6
55°	9554.0	9629.6	9986.8	10412.1	11181.4	11990.6	13022.2	13050.4	12451.6	13088.9	11264.4
57.5°	9333.1	9448.7	9989.7	10844.9	12536.1	14015.3	14783.0	14802.3	13883.4	14151.6	12547.9
60°	8199.3	8254.1	9029.3	10170.6	12651.7	16208.9	17280.5	17124.8	15340.3	15340.3	13681.8
62.5°	5814.5	5900.5	6528.9	8208.2	11425.9	16970.7	20271.5	19949.8	17347.2	16477.1	14357.6
65°	3715.8	3632.8	4049.3	5181.6	8512.0	15845.7	22875.6	22894.9	19235.4	16932.2	13988.6
67°	2691.6	2659.0	2779.0	3542.4	5771.5	13320.1	22930.4	23945.7	20320.4	16644.6	12808.8
67.5°	2461.9	2487.1	2574.5	3195.5	5243.9	12121.1	22681.4	23883.5	20564.9	16471.2	12381.9
70°	1866.0	1823.1	1917.9	2260.3	3143.7	7646.4	19511.1	21904.8	20261.1	14750.4	9893.4
72.5°	1372.5	1368.0	1499.9	1848.2	2420.4	4073.0	14646.7	17563.6	16552.7	11231.8	6229.5
75°	926.3	967.8	1178.3	1544.4	2193.6	2641.2	9985.3	12742.1	11491.2	6377.7	2546.3
77.5°	527.6	530.6	758.9	1240.6	1969.8	2125.4	5916.8	8117.8	6082.8	2121.0	755.9
80°	228.3	250.5	376.5	901.2	1633.3	1882.3	3392.7	4461.3	2460.4	449.1	244.6
82.5°	84.5	99.3	166.0	554.3	1191.7	1550.3	2049.8	2129.9	834.5	158.6	152.7
85°	0.0	3.0	60.8	259.4	621.0	692.2	1369.5	1262.8	369.1	75.6	99.3
87.5°	0.0	0.0	0.0	26.7	81.5	257.9	425.4	474.3	88.9	26.7	23.7
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: P455244
 CATALOG NUMBER: GLAN-SA6B-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7	5879.7
2.5°	5835.2	5738.9	5497.3	5255.7	5076.4	4926.7	4701.4	4578.4	4513.2	4416.8	4422.8
5°	5688.5	5492.9	5067.5	4627.3	4271.6	3924.8	3509.7	3342.3	3201.5	3121.4	3068.1
7.5°	5470.6	5181.6	4551.7	3964.8	3417.9	2811.7	2356.6	2052.8	1848.2	1772.7	1700.0
10°	5232.0	4848.1	4028.5	3214.8	2455.9	1830.5	1445.1	1166.5	1067.2	975.3	984.2
12.5°	5011.2	4544.3	3548.3	2537.5	1720.8	1163.5	907.1	793.0	760.3	750.0	750.0
15°	4830.3	4253.8	3032.5	1907.5	1179.8	835.9	726.3	695.1	683.3	680.3	680.3
17.5°	4637.7	3978.1	2567.1	1409.5	858.2	699.6	662.5	641.8	637.3	634.4	634.4
20°	4465.7	3700.9	2125.4	1049.4	693.6	629.9	606.2	592.9	588.4	585.5	586.9
22.5°	4302.7	3454.9	1710.4	793.0	610.6	573.6	549.9	536.5	527.6	520.2	521.7
25°	4157.4	3217.8	1375.4	649.2	549.9	517.3	493.6	474.3	455.0	446.1	444.6
27.5°	4055.2	3010.3	1071.6	555.8	495.0	459.5	429.8	406.1	380.9	367.6	364.6
30°	3970.7	2799.8	847.8	490.6	440.2	406.1	369.1	335.0	308.3	294.9	289.0
32.5°	3915.9	2599.7	668.5	437.2	394.3	352.8	311.3	277.2	247.5	234.2	231.2
35°	3907.0	2432.2	546.9	392.8	352.8	308.3	265.3	228.3	203.1	189.7	186.8
37.5°	3970.7	2303.3	458.0	357.2	318.7	269.8	222.3	188.2	166.0	155.6	154.1
40°	4141.1	2221.8	397.2	327.6	287.5	234.2	189.7	160.1	137.8	127.5	127.5
42.5°	4465.7	2224.7	357.2	299.4	256.4	200.1	161.6	133.4	114.1	105.2	102.3
45°	4972.6	2325.5	323.1	271.2	226.8	173.4	137.8	109.7	90.4	83.0	83.0
47.5°	5651.5	2525.6	293.5	243.1	200.1	148.2	117.1	88.9	72.6	65.2	65.2
50°	6539.3	2847.2	268.3	219.4	177.9	127.5	94.9	72.6	56.3	50.4	48.9
52.5°	7467.1	3244.4	238.6	198.6	152.7	108.2	77.1	56.3	43.0	38.5	37.1
55°	8491.3	3632.8	210.5	177.9	124.5	90.4	60.8	44.5	31.1	26.7	26.7
57.5°	9524.3	4013.7	176.4	148.2	97.8	66.7	47.4	32.6	20.8	16.3	16.3
60°	10398.8	4136.7	149.7	120.1	74.1	47.4	34.1	20.8	11.9	7.4	7.4
62.5°	10518.9	3721.7	126.0	91.9	53.4	32.6	17.8	11.9	4.4	3.0	3.0
65°	9866.7	3023.6	105.2	69.7	35.6	16.3	7.4	4.4	1.5	0.0	0.0
67°	8841.1	2451.5	86.0	51.9	25.2	10.4	4.4	1.5	0.0	0.0	0.0
67.5°	8578.7	2337.4	83.0	48.9	22.2	8.9	3.0	1.5	0.0	0.0	0.0
70°	6732.0	1750.4	59.3	29.6	13.3	5.9	0.0	0.0	0.0	0.0	0.0
72.5°	4184.1	990.1	43.0	17.8	8.9	3.0	0.0	0.0	0.0	0.0	0.0
75°	1581.5	346.8	29.6	11.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	492.1	131.9	17.8	8.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	166.0	50.4	11.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	102.3	20.8	7.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	63.7	8.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.9	3.0	1.5	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)