

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: P323150

Luminaire Tested: **GAN-SA6A-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21026 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

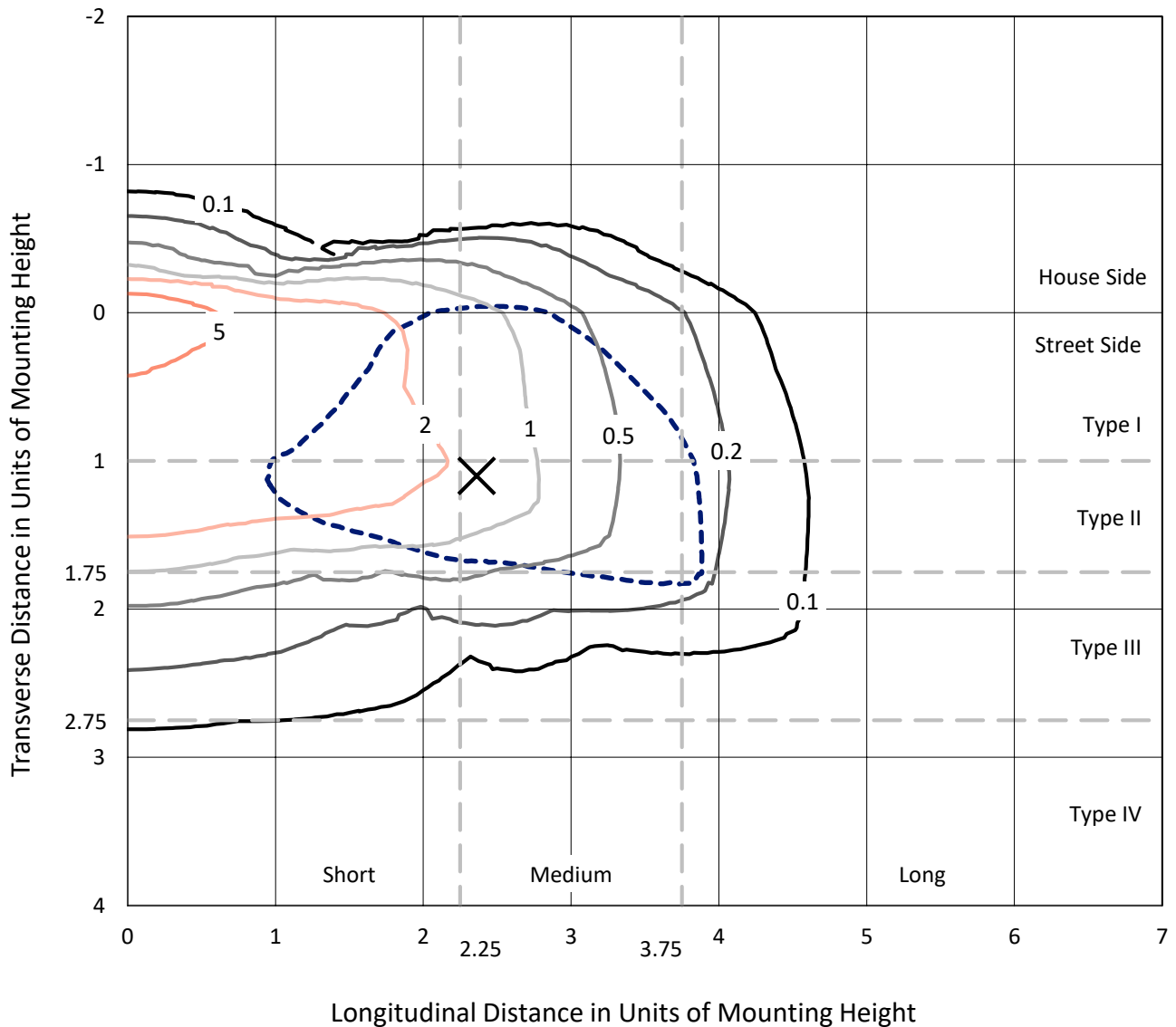
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323150
 CATALOG NUMBER: GAN-SA6A-730-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

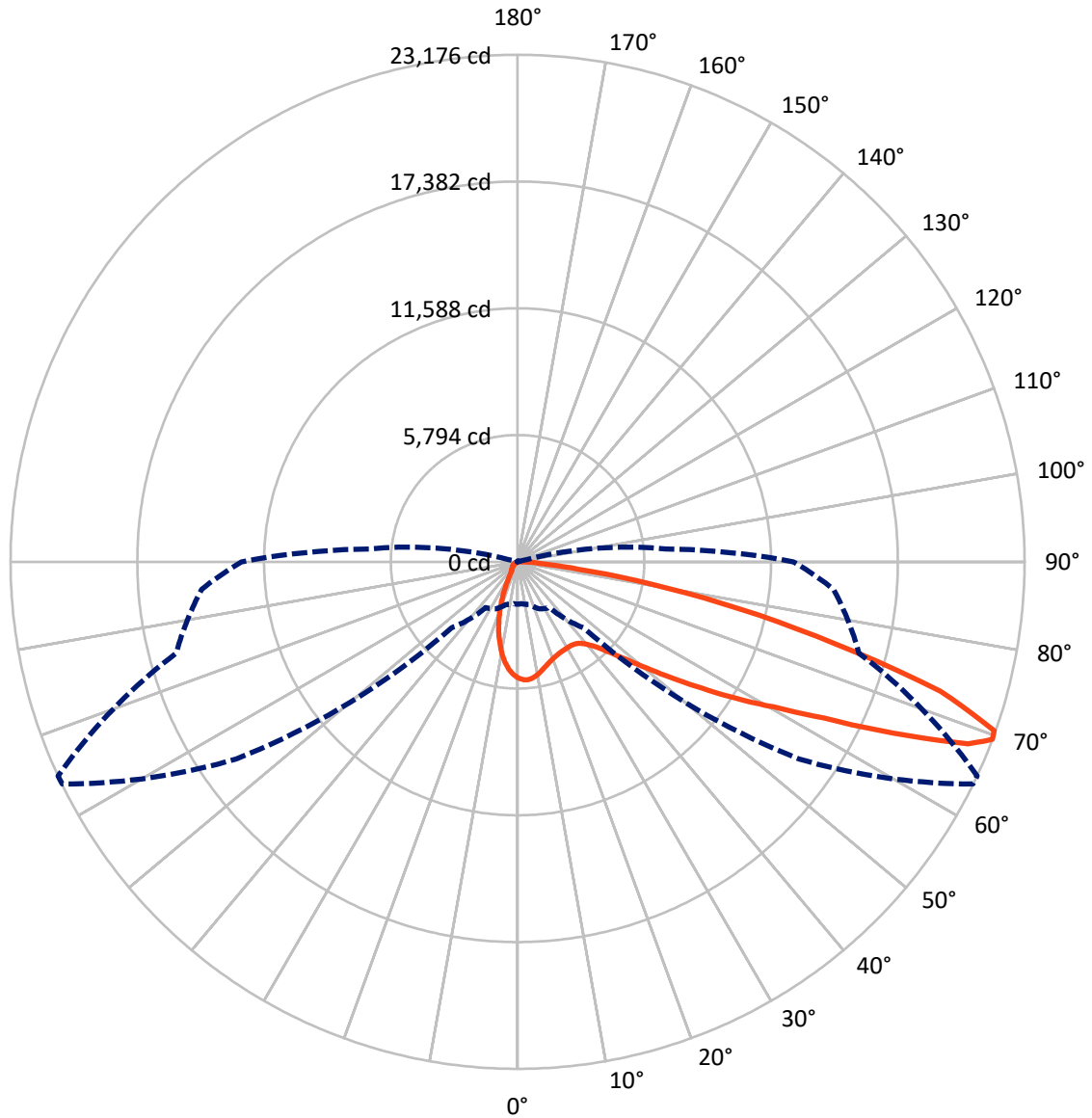
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P323150
CATALOG NUMBER: GAN-SA6A-730-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P323150
 CATALOG NUMBER: GAN-SA6A-730-U-SL2-HSS

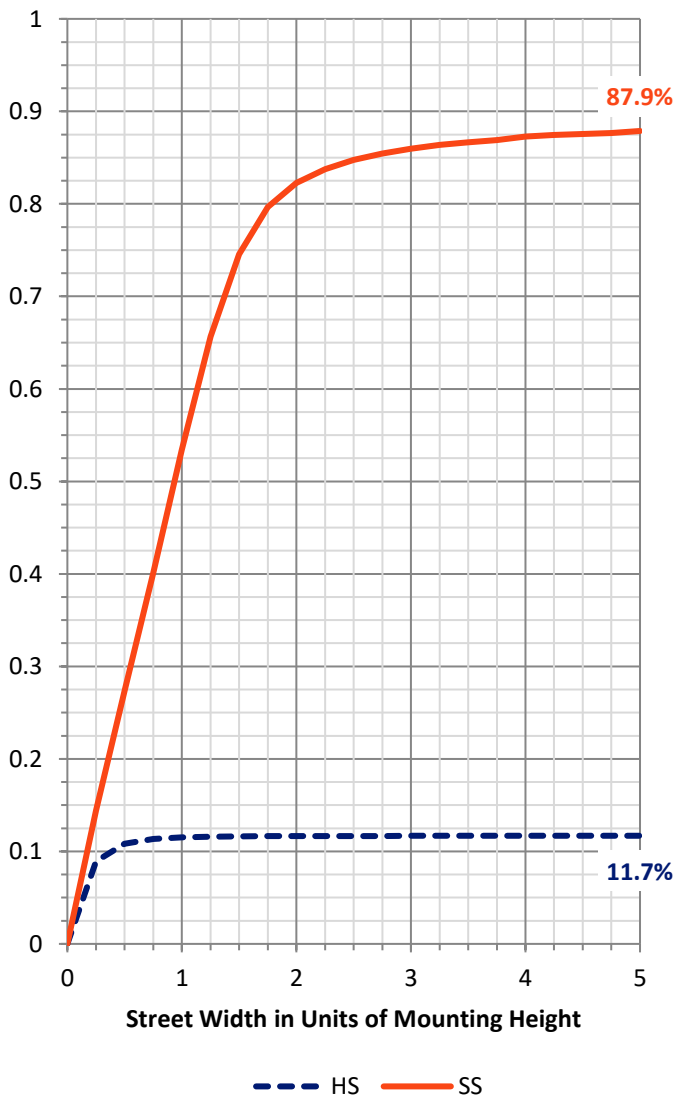
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2478.5	0.0	2478.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	18547.5	0.0	18547.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	21026.0	0.0	21026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.3	2.1
10°-20°	972.6	4.6
20°-30°	1347.1	6.4
30°-40°	1878.3	8.9
40°-50°	2919.4	13.9
50°-60°	4686.8	22.3
60°-70°	5301.6	25.2
70°-80°	3113.7	14.8
80°-90°	362.2	1.7
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°	21026.0	100.0
0°-180°	21026.0	100.0

Coefficient of Utilization

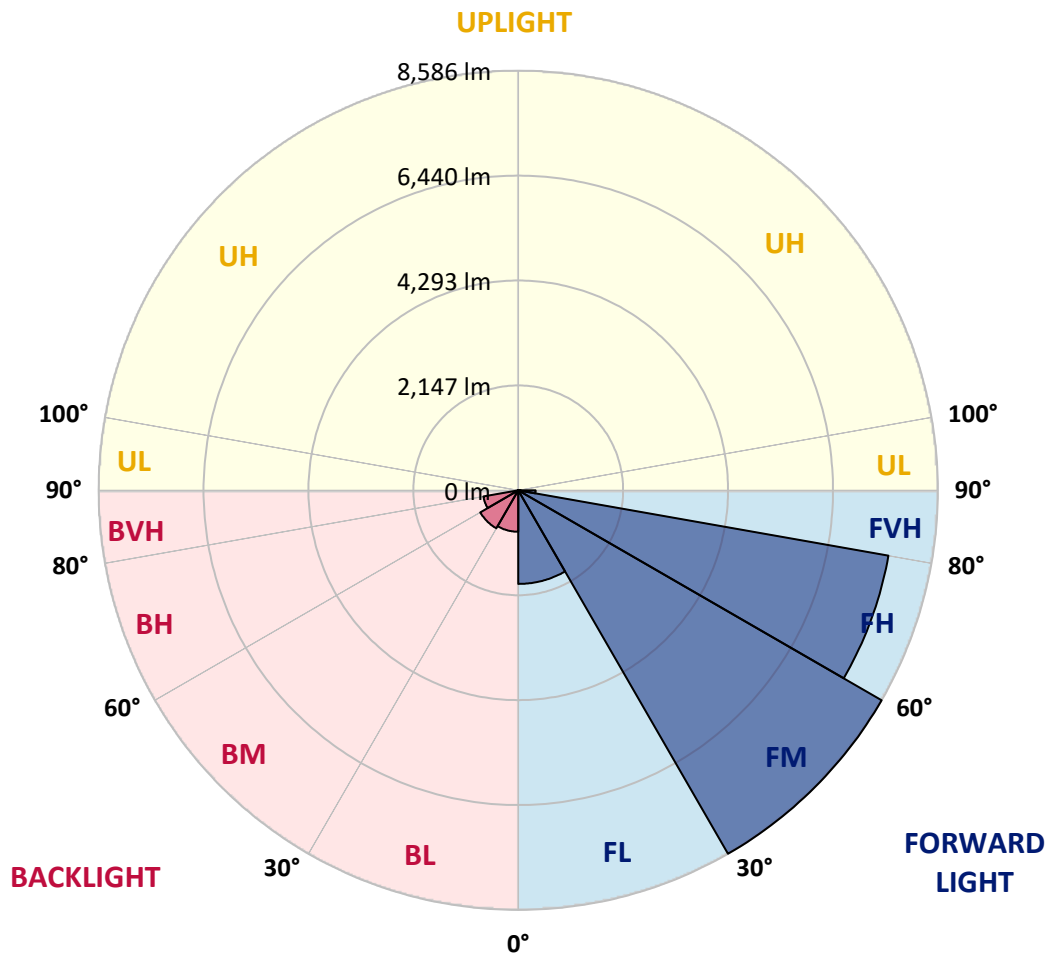


REPORT NUMBER: P323150
 CATALOG NUMBER: GAN-SA6A-730-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1916.0	9.1			
FM (30°-60°)	8586.4	40.8			
FH (60°-80°)	7691.1	36.6			G4/12000
FVH (80°-90°)	354.1	1.7			G3/500
BL (0°-30°)	848.0	4.0	B2/1000		
BM (30°-60°)	898.1	4.3	B1/1000		
BH (60°-80°)	724.2	3.4	B2/1000		G2/1000
BVH (80°-90°)	8.1	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 Medium





REPORT NUMBER: P323150
 CATALOG NUMBER: GAN-SA6A-730-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3
2.5°	5360.5	5347.1	5357.8	5380.9	5392.5	5392.5	5401.4	5390.7	5394.3	5368.5	5331.1
5°	5025.0	5004.6	5033.9	5098.9	5179.0	5247.5	5348.9	5402.3	5407.6	5408.5	5364.9
7.5°	4663.8	4645.1	4688.7	4765.2	4868.5	4995.7	5172.7	5327.5	5336.4	5420.1	5388.0
10°	4370.2	4356.9	4407.6	4489.4	4610.4	4752.8	4969.9	5185.2	5211.0	5396.0	5384.5
12.5°	4137.1	4126.4	4174.5	4268.8	4392.5	4549.9	4776.8	5026.8	5061.5	5341.8	5366.7
15°	3967.2	3965.4	4005.4	4096.2	4233.2	4380.0	4612.2	4880.0	4920.1	5283.1	5364.0
17.5°	3878.2	3880.9	3910.2	3987.6	4105.1	4251.0	4473.4	4756.4	4799.9	5230.6	5377.4
20°	3869.3	3872.0	3888.0	3931.6	4026.8	4155.8	4360.4	4652.3	4697.6	5191.4	5398.7
22.5°	3947.6	3945.8	3950.3	3945.8	3999.2	4097.1	4285.7	4572.2	4624.7	5165.6	5415.6
25°	4098.0	4095.3	4093.5	4060.6	4025.0	4077.5	4254.6	4526.8	4576.6	5146.9	5425.4
27.5°	4307.1	4305.3	4302.6	4248.3	4141.6	4108.6	4258.1	4509.9	4551.7	5131.8	5423.6
30°	4582.0	4594.4	4590.9	4515.2	4348.9	4203.8	4295.5	4501.0	4537.5	5102.4	5404.9
32.5°	4904.9	4929.8	4949.4	4868.5	4660.3	4392.5	4381.8	4510.8	4537.5	5080.2	5371.1
35°	5240.4	5272.4	5344.4	5316.0	5041.9	4676.3	4530.4	4569.5	4591.8	5092.7	5355.1
37.5°	5570.4	5608.7	5765.3	5848.0	5542.0	5051.7	4761.7	4714.5	4726.1	5168.3	5372.9
40°	5953.9	6011.7	6249.3	6382.7	6139.0	5554.4	5107.8	4963.7	4968.1	5334.7	5455.7
42.5°	6457.5	6517.1	6774.2	6983.3	6811.6	6189.7	5577.5	5344.4	5340.0	5646.1	5650.5
45°	7071.4	7133.6	7399.7	7631.9	7554.5	6942.4	6179.0	5900.5	5895.2	6137.2	6019.7
47.5°	7767.1	7828.5	8066.0	8305.4	8389.0	7821.4	6945.0	6659.4	6647.0	6819.6	6590.0
50°	8364.1	8404.1	8623.0	8945.1	9322.3	8901.5	7897.9	7623.0	7609.6	7726.2	7427.2
52.5°	8581.2	8604.3	8826.7	9277.8	10219.1	10364.2	9149.7	8795.6	8785.8	8836.5	8542.0
55°	8141.7	8183.5	8456.6	9125.7	10704.9	12017.2	10729.8	10247.6	10173.8	10064.3	9707.6
57.5°	6944.1	7010.9	7304.5	8194.2	10478.0	13328.6	13051.9	11890.0	11781.4	11112.4	10655.1
60°	5203.0	5284.8	5528.6	6488.6	9267.1	13795.7	15589.4	13720.1	13475.4	11946.9	11526.1
62.5°	3570.4	3611.3	3776.8	4402.3	6824.9	13030.6	17712.2	16171.2	15724.6	12854.4	12468.3
65°	2726.9	2741.2	2808.8	3024.1	4064.2	10584.8	18556.5	19405.3	18865.3	13939.9	13446.1
67.5°	2197.6	2186.0	2279.4	2587.3	2721.6	6457.5	17571.6	22465.0	22212.3	15391.0	14430.1
69°	1937.8	1921.8	2017.0	2374.6	2556.1	4268.8	15708.6	23159.9	23175.9	16157.0	14497.7
70°	1743.8	1754.5	1848.8	2248.3	2500.1	3350.6	13929.2	22982.8	23109.1	16443.5	14092.0
72.5°	1164.6	1193.1	1382.6	1866.6	2404.0	2535.7	8410.4	19722.0	20207.8	15798.5	12090.2
75°	656.6	678.0	903.0	1407.5	2265.2	2414.7	4442.3	14529.7	14999.5	13211.2	9323.2
77.5°	322.1	333.6	510.7	908.4	1894.2	2300.8	2519.6	9869.5	10406.0	8623.0	5273.3
80°	136.1	142.4	255.3	560.5	1354.1	2195.8	1871.0	6074.0	6140.7	3378.2	1404.8
82.5°	52.5	54.3	107.7	349.7	860.3	1711.8	1565.0	2880.0	2810.6	636.1	320.3
85°	6.2	7.1	39.1	210.0	478.7	880.8	1271.4	1241.1	1148.6	126.3	164.6
87.5°	0.0	0.0	2.7	64.1	142.4	412.8	661.0	515.1	464.4	40.9	85.4
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: P323150
 CATALOG NUMBER: GAN-SA6A-730-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3	5313.3
2.5°	5300.0	5291.1	5243.0	5173.6	5107.8	5025.9	4947.6	4900.5	4863.1	4838.2	4867.6
5°	5314.2	5275.0	5129.1	4942.3	4759.0	4552.6	4360.4	4197.6	4133.6	4062.4	4094.4
7.5°	5309.7	5235.9	4973.4	4640.7	4304.4	3956.5	3627.3	3373.8	3242.1	3113.1	3146.0
10°	5287.5	5162.9	4765.2	4272.4	3768.8	3268.8	2801.7	2446.7	2248.3	2068.6	2094.4
12.5°	5238.6	5065.1	4519.7	3850.6	3177.1	2517.9	1970.7	1516.1	1272.3	1164.6	1178.0
15°	5209.2	4969.9	4259.9	3423.6	2545.4	1753.6	1204.7	895.9	784.7	749.1	753.6
17.5°	5195.0	4878.2	3991.2	2935.1	1899.5	1116.6	778.5	686.9	662.8	656.6	658.4
20°	5180.7	4785.7	3714.5	2452.0	1308.8	750.9	639.7	613.0	604.1	596.1	597.9
22.5°	5156.7	4696.7	3417.3	1962.7	882.6	609.4	576.5	550.7	532.0	522.3	524.0
25°	5127.4	4603.3	3114.0	1461.8	644.1	543.6	512.5	476.0	453.7	436.0	436.8
27.5°	5080.2	4488.6	2800.8	1064.1	540.9	486.7	444.9	404.8	367.4	347.0	347.0
30°	5014.4	4358.7	2452.9	761.6	484.9	430.6	379.9	330.1	290.0	271.4	269.6
32.5°	4941.4	4223.4	2101.5	577.4	440.4	378.1	320.3	267.8	232.2	217.1	216.2
35°	4879.1	4077.5	1750.9	484.0	395.9	327.4	264.2	219.8	191.3	178.8	177.9
37.5°	4839.1	3931.6	1409.3	432.4	355.9	280.3	221.5	181.5	161.0	151.2	150.4
40°	4832.9	3823.1	1097.0	393.2	318.5	238.4	185.1	153.9	135.2	124.6	123.7
42.5°	4913.8	3760.8	841.7	360.3	280.3	202.0	157.5	131.7	112.1	101.4	100.5
45°	5126.5	3780.3	647.7	331.0	242.0	170.8	133.5	109.4	91.6	83.6	81.9
47.5°	5514.4	3915.6	515.1	301.6	205.5	145.0	113.9	90.7	75.6	67.6	66.7
50°	6204.8	4233.2	430.6	269.6	171.7	123.7	94.3	73.8	61.4	54.3	53.4
52.5°	7121.2	4799.1	384.4	238.4	142.4	105.0	77.4	58.7	48.0	42.7	41.8
55°	8131.9	5484.1	354.1	204.6	116.6	87.2	61.4	46.3	37.4	32.9	31.1
57.5°	9118.6	6077.6	325.6	171.7	97.0	71.2	48.9	36.5	29.4	24.9	24.0
60°	10025.2	6623.0	292.7	137.9	79.2	56.1	38.3	28.5	23.1	18.7	18.7
62.5°	10995.8	7044.7	247.3	107.7	64.9	42.7	31.1	25.8	18.7	16.0	15.1
65°	12024.3	7357.8	194.0	83.6	50.7	32.0	25.8	26.7	15.1	11.6	10.7
67.5°	12784.1	7295.6	143.2	65.8	39.1	24.9	24.9	28.5	13.3	8.9	8.0
69°	12616.9	6789.3	120.1	56.9	33.8	21.4	23.1	28.5	12.5	8.0	7.1
70°	12132.0	6228.8	105.9	50.7	30.2	19.6	22.2	27.6	11.6	8.0	7.1
72.5°	10103.5	4691.4	82.7	38.3	24.0	16.0	18.7	24.0	11.6	8.0	6.2
75°	7599.8	3002.7	63.2	27.6	17.8	12.5	14.2	17.8	11.6	7.1	6.2
77.5°	4135.3	1082.8	45.4	18.7	12.5	9.8	9.8	13.3	10.7	5.3	3.6
80°	1063.2	272.2	28.5	12.5	9.8	7.1	6.2	8.9	6.2	0.9	0.0
82.5°	262.5	61.4	15.1	8.9	7.1	2.7	2.7	4.4	2.7	0.0	0.0
85°	144.1	30.2	9.8	6.2	3.6	0.0	0.0	0.9	0.0	0.0	0.0
87.5°	73.8	8.9	2.7	1.8	0.9	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)