

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: P322531

Luminaire Tested: **GAN-SA7C-730-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32356 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

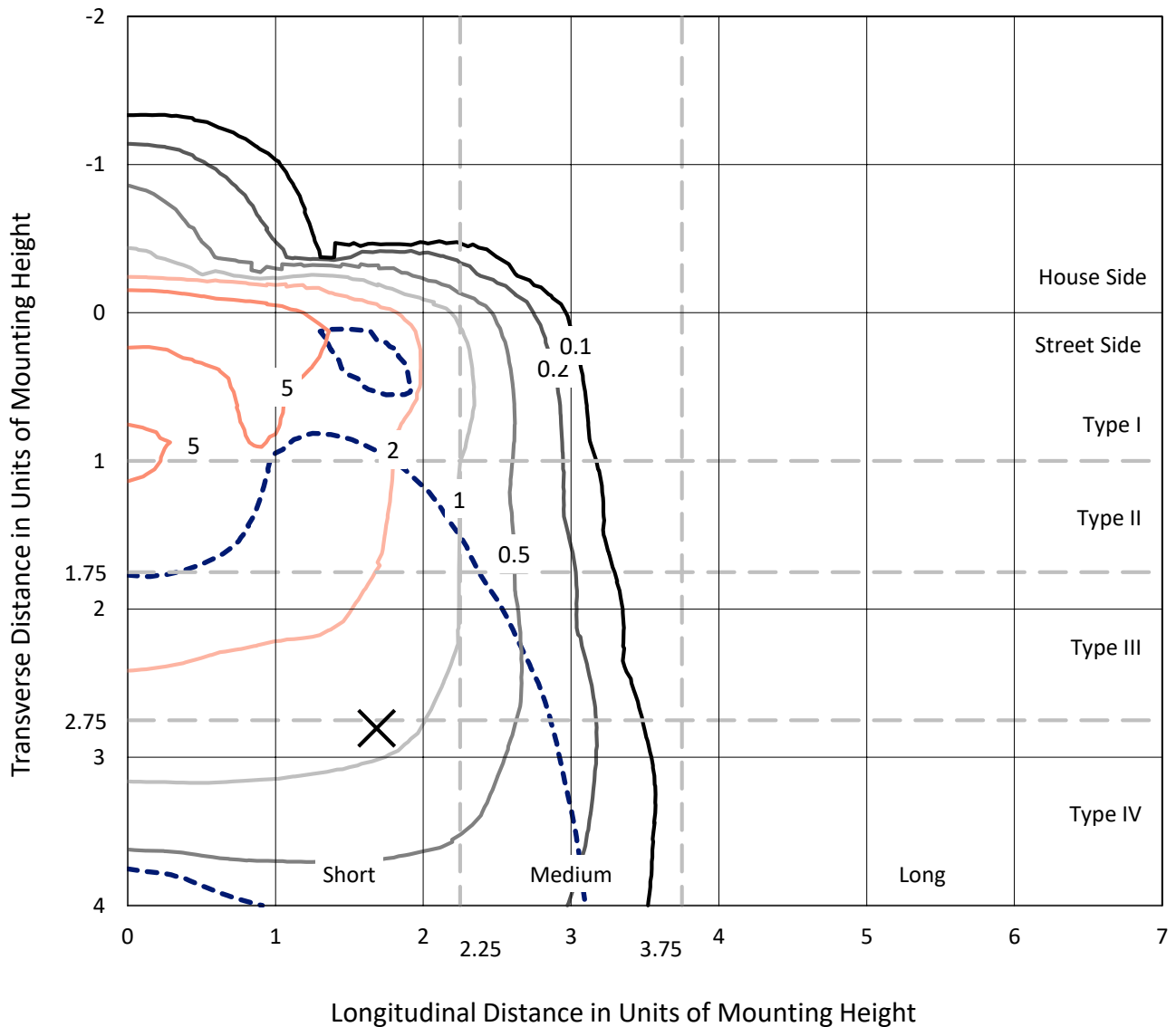
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322531
 CATALOG NUMBER: GAN-SA7C-730-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

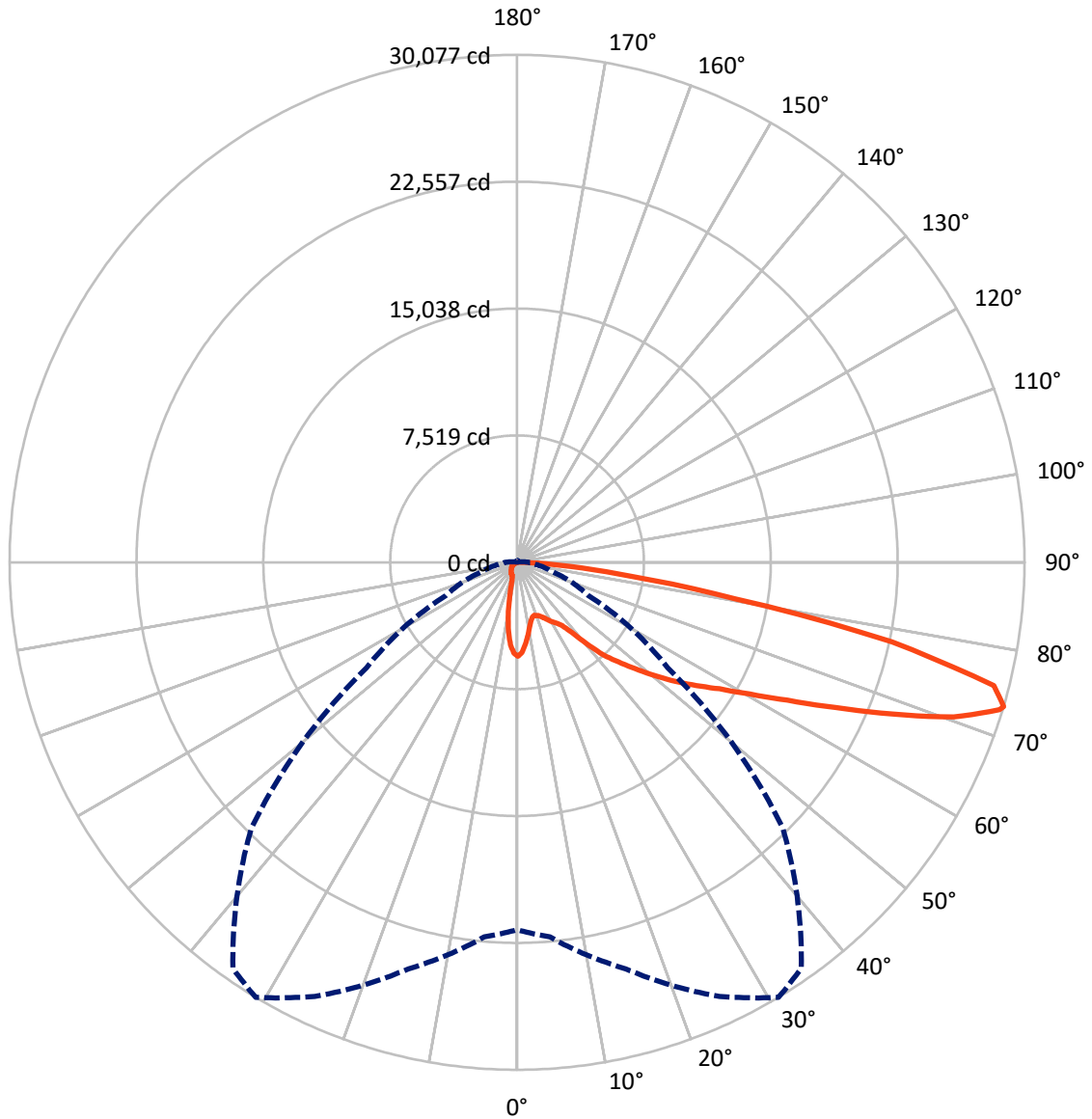
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P322531
CATALOG NUMBER: GAN-SA7C-730-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P322531
 CATALOG NUMBER: GAN-SA7C-730-U-T4FT-HSS

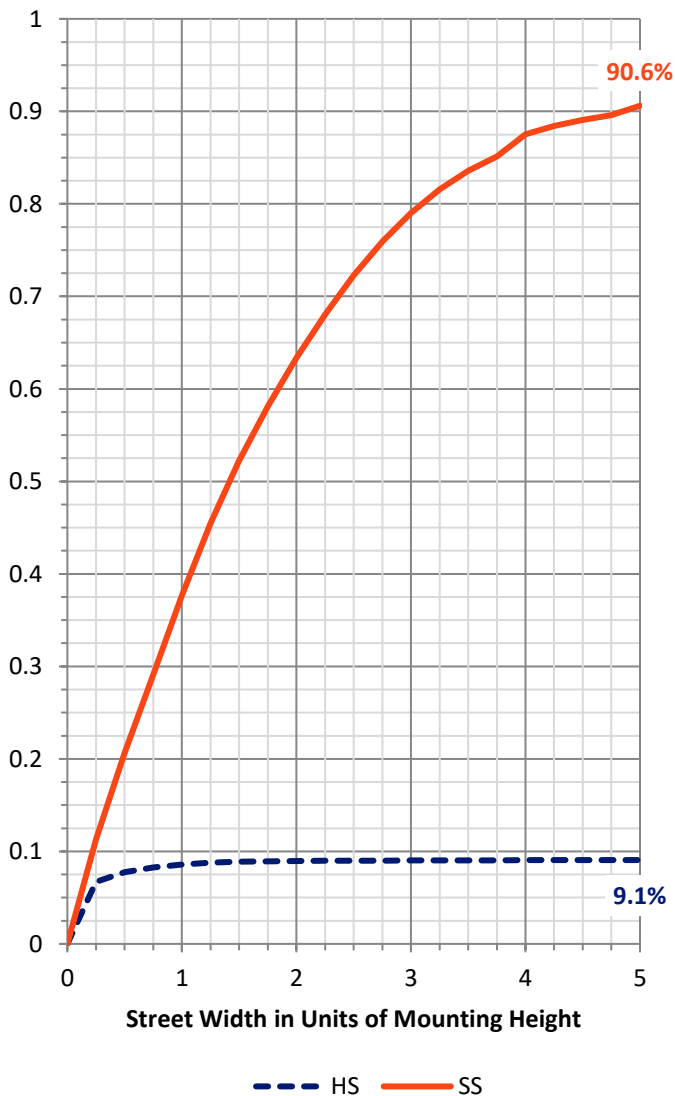
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2949.4	0.0	2949.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	29406.6	0.0	29406.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	32356.0	0.0	32356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.6	1.4
10°-20°	1002.2	3.1
20°-30°	1501.6	4.6
30°-40°	2389.0	7.4
40°-50°	4266.2	13.2
50°-60°	6619.9	20.5
60°-70°	8800.3	27.2
70°-80°	6619.6	20.5
80°-90°	695.6	2.1
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°	32356.0	100.0
0°-180°	32356.0	100.0

Coefficient of Utilization



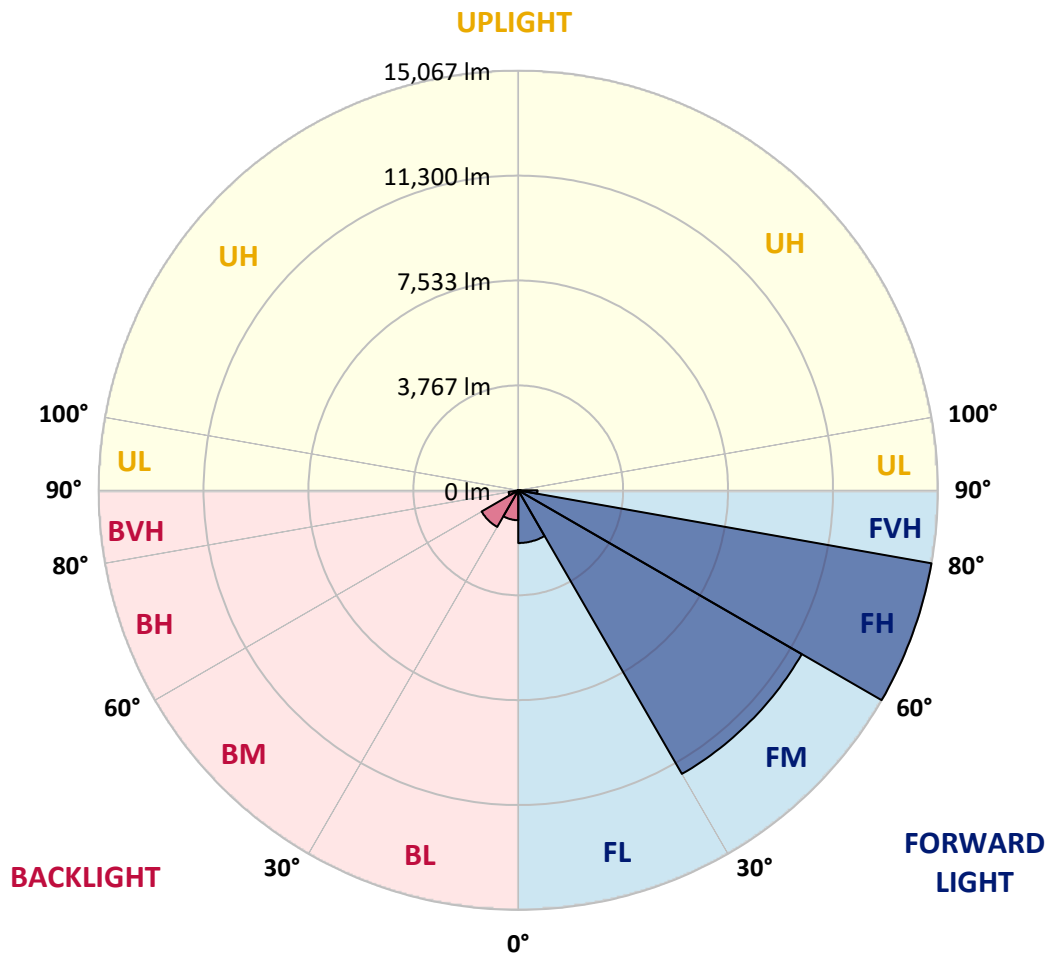
REPORT NUMBER: P322531
 CATALOG NUMBER: GAN-SA7C-730-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1892.9	5.9			
FM (30°-60°)	11757.0	36.3			
FH (60°-80°)	15067.0	46.6			G5
FVH (80°-90°)	689.7	2.1			G4/750
BL (0°-30°)	1072.5	3.3	B3/2500		
BM (30°-60°)	1518.1	4.7	B2/2500		
BH (60°-80°)	352.9	1.1	B1/500		G1/500
BVH (80°-90°)	5.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





REPORT NUMBER: P322531

CATALOG NUMBER: GAN-SA7C-730-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9
2.5°	5275.6	5297.8	5321.5	5326.3	5365.8	5367.4	5424.4	5467.2	5509.9	5551.1	5565.3
5°	4734.1	4770.5	4813.3	4856.0	4939.9	4973.2	5112.5	5255.0	5391.2	5521.0	5584.3
7.5°	4156.2	4197.4	4257.5	4363.6	4457.0	4521.9	4742.0	4995.3	5248.7	5487.8	5625.5
10°	3628.9	3666.9	3730.3	3842.7	3986.8	4075.4	4371.5	4723.0	5095.1	5457.7	5687.2
12.5°	3293.3	3313.9	3348.7	3469.0	3598.9	3698.6	4046.9	4482.3	4968.4	5456.1	5787.0
15°	3231.5	3237.9	3209.4	3263.2	3364.5	3461.1	3814.2	4287.6	4871.8	5481.4	5916.8
17.5°	3329.7	3326.5	3231.5	3225.2	3306.0	3385.1	3700.2	4153.0	4803.8	5540.0	6084.7
20°	3478.5	3467.4	3302.8	3272.7	3358.2	3432.6	3692.3	4102.4	4778.4	5638.2	6288.9
22.5°	3676.4	3657.4	3399.4	3367.7	3459.5	3537.1	3790.4	4151.4	4800.6	5769.6	6526.4
25°	3921.9	3893.4	3565.6	3530.8	3624.2	3701.8	3966.2	4292.4	4867.1	5929.5	6827.2
27.5°	4198.9	4157.8	3831.6	3741.4	3847.4	3928.2	4200.5	4507.7	4971.6	6098.9	7196.1
30°	4460.2	4406.4	4111.9	3963.0	4092.9	4183.1	4453.8	4764.2	5139.4	6360.2	7701.2
32.5°	4723.0	4662.8	4362.0	4184.7	4301.9	4400.0	4715.1	5117.3	5454.5	6759.1	8372.5
35°	5327.8	5264.5	4895.6	4602.7	4601.1	4656.5	5080.8	5600.2	5870.9	7314.9	9173.7
37.5°	6345.9	6309.5	5958.0	5402.3	5253.4	5191.7	5579.6	6176.5	6469.4	8079.6	10077.8
40°	7460.6	7428.9	7034.6	6531.2	6304.7	6152.7	6295.2	6979.2	7314.9	9013.8	11000.8
42.5°	8719.3	8568.9	7865.9	7715.5	7512.8	7397.2	7269.0	7968.8	8353.5	10030.3	11916.0
45°	9862.4	9609.1	8697.1	8469.1	8423.2	8451.7	8523.0	9298.8	9522.0	11238.3	12828.0
47.5°	10543.3	10343.8	9643.9	9425.4	9412.8	9601.2	10139.5	10801.3	10685.8	12291.2	13630.7
50°	11190.8	11010.3	10429.3	10483.1	10541.7	10798.2	11974.6	12346.6	11748.2	13246.0	14367.0
52.5°	11714.9	11439.4	11135.4	11437.8	11726.0	12139.2	13868.2	13733.6	12501.8	14006.0	14997.1
55°	12017.3	11892.2	12039.5	12343.5	12885.0	13556.3	15655.8	14887.9	13052.8	14699.4	15416.7
57.5°	13125.6	12880.2	13173.1	13436.0	14142.1	15081.0	17186.8	15747.6	13450.2	15128.5	15513.3
60°	14466.7	14268.8	14441.4	14878.4	15831.5	16935.1	18618.1	16449.0	13657.6	15404.0	15263.1
62.5°	16601.0	16339.8	16232.1	16721.3	17984.8	19189.7	19704.3	16935.1	13611.7	15282.1	14404.9
65°	19460.5	19189.7	18708.4	19151.7	20758.8	21609.0	20918.7	17038.0	13295.0	14295.7	12235.8
67.5°	22389.6	22193.2	21781.6	22528.9	23979.2	24253.1	22202.7	16787.8	12275.4	11591.4	8644.9
70°	24324.4	24240.5	24508.0	26161.0	27454.6	27375.4	23380.7	15443.6	9567.9	7128.1	4276.5
72.5°	22929.5	23331.6	25307.6	28304.8	29885.0	29239.0	22775.9	11859.0	5468.8	2742.3	1236.6
73°	21773.7	22288.2	24948.2	28385.6	30076.5	29368.8	22267.7	10885.3	4661.3	2164.4	937.3
75°	15147.5	15779.3	20654.3	26436.5	29180.4	27981.8	18561.1	6662.6	2159.6	959.5	378.4
77.5°	7354.5	7821.5	11372.9	19101.0	22693.6	21862.3	11555.0	2482.6	975.3	600.1	174.2
80°	2745.5	3052.6	4936.8	9721.5	13114.6	13458.1	5082.4	938.9	649.2	482.9	88.7
82.5°	718.8	801.2	1820.8	4335.1	6721.1	7034.6	1602.3	473.4	475.0	397.4	53.8
85°	229.6	262.8	568.4	1945.9	3166.6	2780.3	418.0	229.6	345.2	296.1	30.1
87.5°	28.5	36.4	180.5	457.6	698.2	387.9	64.9	68.1	147.2	164.7	17.4
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: P322531

CATALOG NUMBER: GAN-SA7C-730-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9	5566.9
2.5°	5579.6	5571.7	5573.2	5532.1	5505.2	5451.3	5395.9	5370.6	5343.7	5332.6	5343.7
5°	5608.1	5593.8	5552.7	5426.0	5291.4	5117.3	4954.2	4830.7	4675.5	4632.8	4677.1
7.5°	5652.4	5623.9	5503.6	5245.5	4946.3	4613.8	4240.1	3967.8	3744.5	3600.4	3652.7
10°	5717.3	5663.5	5421.3	4982.7	4447.5	3858.5	3328.1	2914.9	2622.0	2501.6	2496.9
12.5°	5826.6	5725.2	5319.9	4640.7	3837.9	3052.6	2357.5	1909.5	1672.0	1518.4	1515.2
15°	5946.9	5798.1	5191.7	4230.6	3128.6	2186.6	1518.4	1178.0	1024.4	975.3	969.0
17.5°	6094.2	5882.0	5025.4	3725.5	2386.0	1448.7	991.2	893.0	886.7	881.9	881.9
20°	6279.4	5981.7	4811.7	3147.6	1692.6	967.4	842.3	848.7	851.8	845.5	847.1
22.5°	6494.7	6083.1	4556.8	2527.0	1144.7	809.1	805.9	813.8	817.0	813.8	815.4
25°	6744.9	6200.2	4246.4	1876.2	826.5	767.9	775.8	786.9	794.8	794.8	794.8
27.5°	7055.2	6342.7	3872.8	1309.4	714.1	725.2	747.3	767.9	779.0	782.2	782.2
30°	7459.0	6520.1	3424.7	897.7	649.2	668.2	709.3	748.9	769.5	772.7	774.2
32.5°	7968.8	6719.6	2905.4	663.4	593.7	608.0	652.3	718.8	758.4	764.7	764.7
35°	8553.0	6950.7	2346.5	577.9	554.2	558.9	593.7	669.7	739.4	756.8	758.4
37.5°	9192.7	7178.7	1784.4	539.9	520.9	520.9	546.2	611.2	693.5	747.3	753.7
40°	9789.6	7316.5	1250.8	509.8	490.8	490.8	513.0	560.5	638.1	718.8	736.2
42.5°	10340.6	7364.0	870.8	481.3	462.3	467.1	486.1	524.1	582.7	663.4	679.2
45°	10907.4	7356.1	634.9	448.1	433.8	448.1	462.3	490.8	533.6	579.5	582.7
47.5°	11334.9	7289.6	503.5	416.4	406.9	425.9	438.6	457.6	481.3	478.2	478.2
50°	11735.5	7128.1	405.3	373.7	380.0	402.2	408.5	414.8	416.4	386.3	383.2
52.5°	12039.5	6876.3	324.6	327.7	353.1	375.2	368.9	359.4	343.6	307.2	300.8
55°	12140.8	6391.8	254.9	270.7	313.5	342.0	318.2	297.7	267.6	237.5	231.2
57.5°	11957.2	5766.4	207.4	210.6	264.4	288.2	261.2	237.5	204.2	178.9	174.2
60°	11567.7	5071.3	171.0	158.3	204.2	224.8	207.4	183.7	153.6	134.6	133.0
62.5°	10795.0	4330.4	140.9	123.5	155.2	172.6	161.5	144.1	118.7	106.1	104.5
65°	9170.5	3464.3	114.0	99.7	120.3	134.6	125.1	112.4	93.4	83.9	82.3
67.5°	6401.3	2341.7	93.4	82.3	95.0	106.1	98.2	91.8	74.4	72.8	74.4
70°	3087.5	1128.9	77.6	66.5	74.4	82.3	79.2	74.4	71.2	82.3	95.0
72.5°	885.1	378.4	61.7	55.4	60.2	64.9	68.1	66.5	77.6	99.7	115.6
73°	680.8	305.6	58.6	52.2	57.0	63.3	66.5	64.9	79.2	101.3	115.6
75°	291.3	147.2	44.3	42.7	47.5	55.4	58.6	58.6	79.2	102.9	110.8
77.5°	131.4	79.2	28.5	33.2	41.2	44.3	49.1	49.1	63.3	79.2	79.2
80°	74.4	42.7	22.2	25.3	30.1	30.1	30.1	26.9	28.5	31.7	34.8
82.5°	47.5	28.5	17.4	20.6	19.0	15.8	12.7	12.7	11.1	12.7	15.8
85°	26.9	15.8	15.8	12.7	7.9	6.3	7.9	6.3	1.6	0.0	1.6
87.5°	15.8	9.5	4.7	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)