

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: P321608

Luminaire Tested: **GAN-SA4C-740-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4C-740-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21944 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

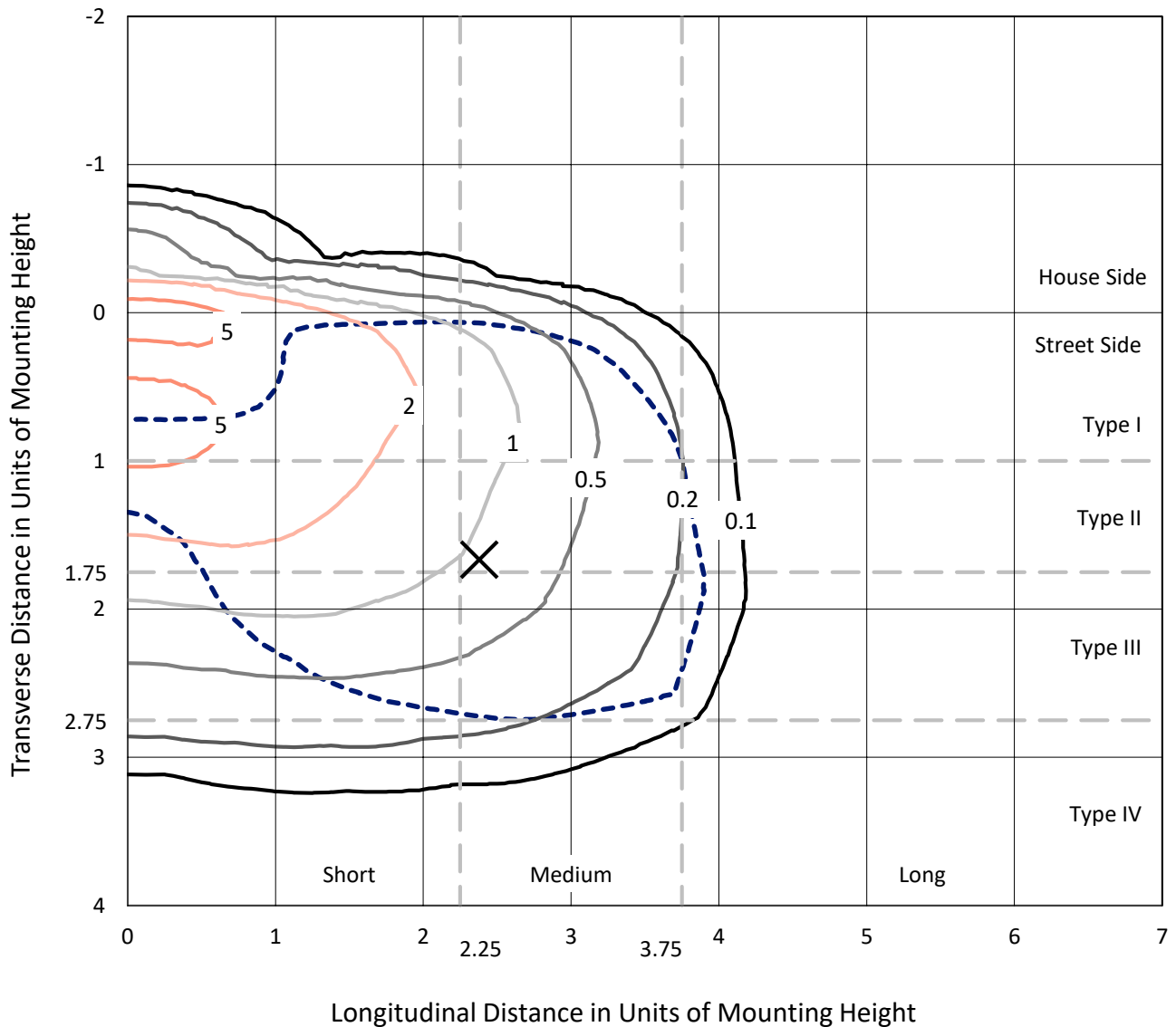
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321608
 CATALOG NUMBER: GAN-SA4C-740-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

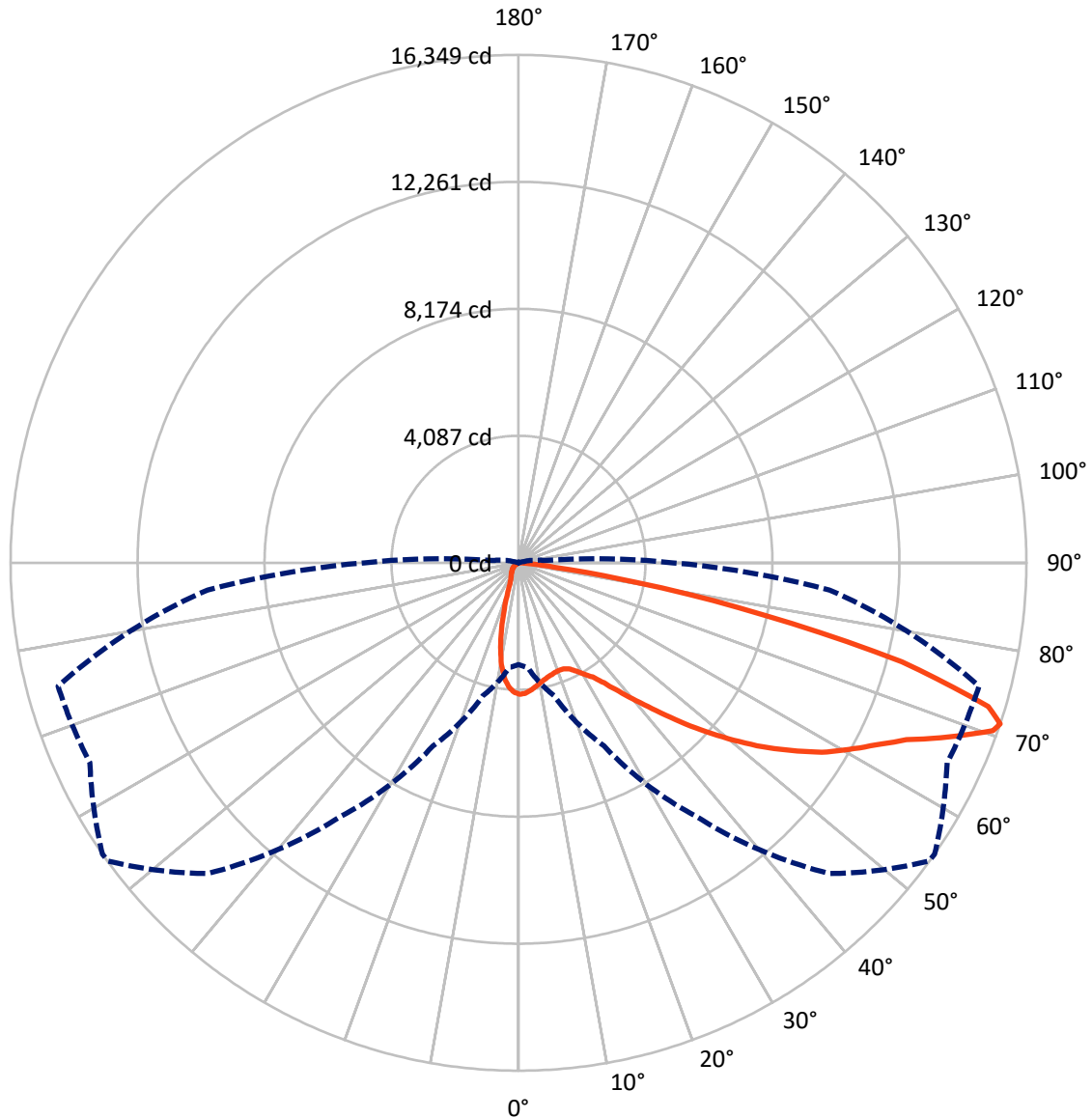
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P321608
CATALOG NUMBER: GAN-SA4C-740-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P321608
 CATALOG NUMBER: GAN-SA4C-740-U-T3R-HSS

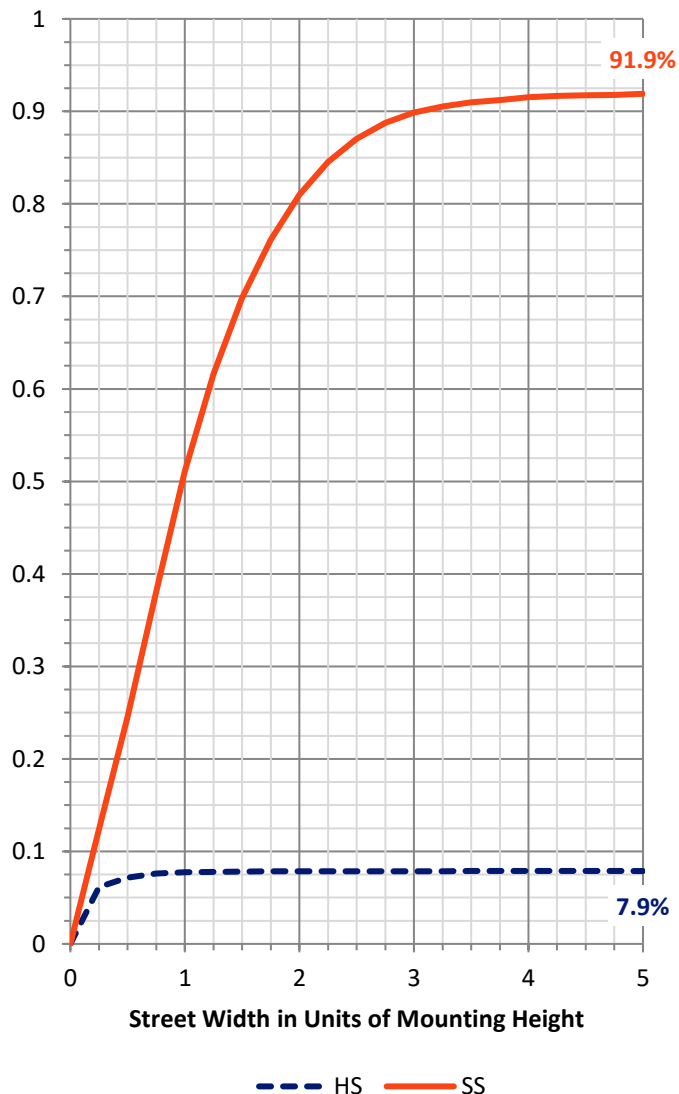
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1737.4	0.0	1737.4
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	20206.6	0.0	20206.6
	% Fixture	92.1	0.0	92.1
Total	Lumens	21944.0	0.0	21944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.8	1.6
10°-20°	814.6	3.7
20°-30°	1309.1	6.0
30°-40°	2224.2	10.1
40°-50°	3452.3	15.7
50°-60°	4641.5	21.2
60°-70°	5678.1	25.9
70°-80°	3319.9	15.1
80°-90°	143.5	0.7
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°	21944.0	100.0
0°-180°	21944.0	100.0

Coefficient of Utilization

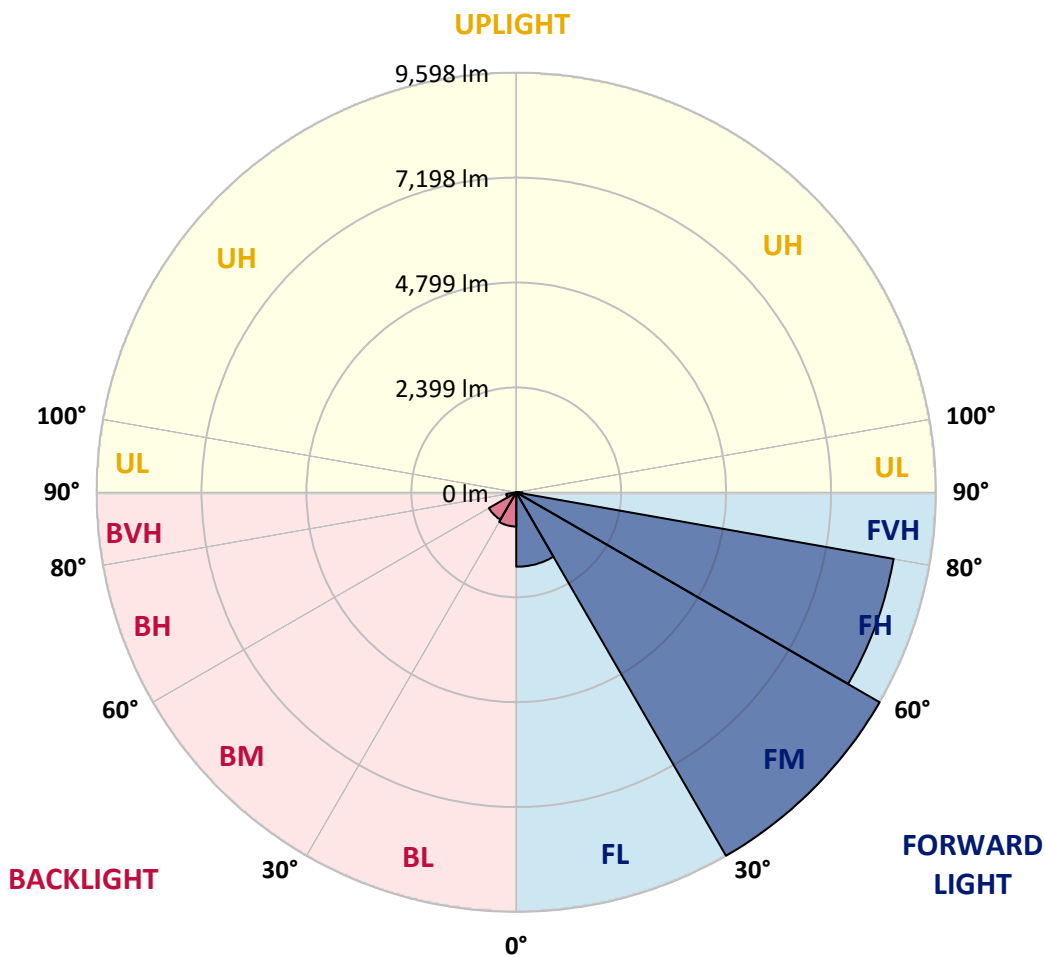


REPORT NUMBER: P321608
 CATALOG NUMBER: GAN-SA4C-740-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1702.6	7.8			
FM (30°-60°)	9597.7	43.7			
FH (60°-80°)	8765.2	39.9			G4/12000
FVH (80°-90°)	141.2	0.6			G2/225
BL (0°-30°)	782.0	3.6	B2/1000		
BM (30°-60°)	720.3	3.3	B1/1000		
BH (60°-80°)	232.8	1.1	B1/500		G1/500
BVH (80°-90°)	2.3	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: P321608

CATALOG NUMBER: GAN-SA4C-740-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0
2.5°	4107.8	4112.8	4130.5	4138.4	4157.1	4188.6	4204.4	4205.4	4231.0	4240.8	4248.7
5°	3817.2	3846.7	3876.3	3907.8	3965.0	4040.8	4115.7	4122.6	4205.4	4266.5	4299.0
7.5°	3566.9	3593.5	3629.0	3679.2	3760.0	3879.2	4004.4	4019.1	4175.8	4314.7	4387.7
10°	3309.7	3331.4	3382.6	3456.5	3567.9	3727.5	3896.0	3920.6	4149.2	4379.8	4507.9
12.5°	3034.8	3047.6	3109.7	3216.1	3379.7	3582.6	3804.3	3836.9	4132.5	4454.7	4649.8
15°	2825.9	2831.8	2890.9	3001.3	3188.5	3452.6	3733.4	3772.8	4136.4	4544.3	4804.5
17.5°	2772.7	2775.7	2807.2	2883.1	3048.6	3336.3	3677.2	3725.5	4148.2	4632.0	4960.1
20°	2988.5	2967.8	2935.3	2923.5	2994.4	3266.4	3643.7	3697.9	4164.0	4709.9	5100.1
22.5°	3580.7	3519.6	3384.6	3204.3	3094.9	3271.3	3652.6	3706.8	4214.2	4805.4	5261.6
25°	4459.6	4374.9	4145.3	3790.6	3449.6	3413.2	3726.5	3781.7	4311.8	4919.7	5416.3
27.5°	5459.7	5375.9	5095.1	4588.7	4007.3	3694.0	3896.0	3947.2	4456.6	5021.2	5534.6
30°	6417.4	6393.8	6062.7	5487.3	4708.9	4149.2	4114.7	4158.1	4564.0	5082.3	5628.2
32.5°	7229.3	7191.9	6925.9	6366.2	5511.9	4696.1	4371.9	4384.7	4644.8	5161.1	5750.4
35°	7982.1	7935.8	7702.3	7173.2	6335.7	5364.1	4768.0	4749.3	4821.2	5319.8	5927.7
37.5°	8639.3	8681.7	8422.6	7919.1	7074.6	6058.8	5302.0	5245.9	5097.1	5577.9	6184.9
40°	9189.2	9189.2	9054.2	8634.4	7872.8	6777.1	5906.0	5832.2	5511.9	5976.0	6511.0
42.5°	9387.2	9429.6	9479.8	9242.4	8587.1	7524.0	6579.0	6502.2	6096.2	6540.6	6922.9
45°	9399.0	9466.0	9723.2	9722.2	9232.5	8265.9	7337.7	7301.3	6845.1	7265.8	7433.3
47.5°	9232.5	9316.3	9740.0	9980.4	9743.9	8956.6	8167.4	8122.0	7725.0	8154.6	7967.4
50°	8975.3	9068.0	9560.6	10081.9	10091.7	9557.7	9041.4	8973.4	8693.5	9170.4	8519.1
52.5°	8515.2	8694.5	9400.0	10105.5	10320.3	10076.9	9873.0	9843.4	9777.4	10148.9	8958.6
55°	7530.9	7729.9	8997.0	10113.4	10532.2	10537.1	10652.4	10660.3	10793.3	11063.3	9285.7
57.5°	7065.8	7178.1	8293.5	10150.8	10846.5	11059.3	11446.5	11507.6	11713.6	11931.3	9659.2
60°	6773.1	6906.2	7946.7	10099.6	11340.1	11744.1	12182.6	12203.3	12424.0	12827.0	10164.6
62.5°	6539.6	6670.7	7727.9	9902.5	11894.9	12567.8	12901.9	12903.8	13069.4	13894.1	10739.1
65°	5963.2	6073.6	7285.5	9680.8	12261.4	13382.7	13737.4	13724.6	13859.6	15019.3	11406.1
67.5°	5129.6	5214.4	6382.0	8840.4	12123.5	14123.7	14998.6	14956.3	14792.7	15991.9	11668.2
70°	3965.9	3996.5	5030.1	7367.3	10830.7	14408.4	16217.5	16195.8	15365.2	15817.5	10707.5
71°	3278.2	3378.7	4433.0	6502.2	9964.6	14145.4	16335.7	16348.5	15221.3	15342.5	10046.4
72.5°	1903.7	1989.4	3213.2	4993.6	8460.0	13047.7	15722.9	15815.5	14549.3	13955.2	8581.2
75°	407.9	436.5	1191.3	2417.0	4653.7	9144.8	12410.2	12740.3	11858.4	9493.6	5172.0
77.5°	283.8	306.4	510.4	1096.7	1538.1	4518.7	7709.2	8081.7	7084.5	3567.9	1655.3
80°	224.7	250.3	398.1	541.9	415.8	1457.3	3611.2	3838.8	2362.8	796.1	278.8
82.5°	125.1	148.8	310.4	292.6	159.6	276.9	1010.9	1143.0	473.0	160.6	66.0
85°	36.5	44.3	200.0	212.8	68.0	53.2	172.4	213.8	89.7	42.4	29.6
87.5°	0.0	0.0	96.6	81.8	19.7	7.9	15.8	17.7	17.7	17.7	19.7
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: P321608
 CATALOG NUMBER: GAN-SA4C-740-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0
2.5°	4248.7	4255.6	4231.0	4198.5	4164.0	4121.6	4077.3	4042.8	4041.8	4025.1	4008.3
5°	4301.0	4297.0	4229.0	4125.6	4003.4	3876.3	3755.1	3618.1	3572.8	3516.6	3497.9
7.5°	4397.5	4369.9	4226.1	3999.4	3731.4	3465.4	3190.5	2913.6	2795.4	2689.0	2670.2
10°	4518.7	4466.5	4207.3	3810.3	3318.6	2827.9	2413.1	2036.7	1871.1	1744.0	1738.1
12.5°	4644.8	4565.0	4155.1	3524.5	2777.6	2087.9	1610.0	1239.5	1101.6	1012.9	1020.8
15°	4776.9	4657.6	4042.8	3139.3	2161.8	1416.9	989.3	771.5	716.3	693.7	699.6
17.5°	4911.9	4721.7	3886.1	2675.2	1553.9	914.4	684.8	623.7	623.7	628.6	630.6
20°	5029.1	4756.2	3655.6	2154.9	1053.3	666.1	599.1	590.2	595.1	603.0	604.0
22.5°	5145.4	4758.1	3355.0	1627.8	737.0	583.3	570.5	566.6	569.5	578.4	579.4
25°	5240.0	4734.5	2978.6	1157.8	588.2	549.8	543.9	541.9	543.9	554.7	554.7
27.5°	5278.4	4648.8	2519.5	813.9	527.1	512.4	510.4	512.4	515.3	523.2	524.2
30°	5282.3	4499.0	2018.9	589.2	477.9	462.1	466.1	473.0	470.0	468.0	470.0
32.5°	5292.2	4325.6	1531.2	484.8	436.5	411.9	406.9	406.9	395.1	388.2	384.3
35°	5324.7	4121.6	1110.5	435.5	394.1	365.6	346.8	325.2	302.5	290.7	287.7
37.5°	5375.9	3907.8	795.2	403.0	356.7	324.2	288.7	250.3	217.8	208.9	208.9
40°	5469.5	3687.1	588.2	377.4	327.1	286.7	233.5	183.3	153.7	148.8	148.8
42.5°	5617.3	3454.6	469.0	354.7	301.5	248.3	178.3	133.0	111.3	108.4	107.4
45°	5771.1	3198.4	409.9	333.0	273.9	204.0	132.0	98.5	85.7	82.8	82.8
47.5°	5924.8	2925.4	381.3	312.3	247.3	158.6	98.5	77.8	71.9	71.9	72.9
50°	6054.8	2640.7	360.6	289.7	212.8	120.2	77.8	66.0	64.0	68.0	69.0
52.5°	6087.3	2360.8	335.0	261.1	170.5	91.6	64.0	58.1	58.1	58.1	58.1
55°	6067.6	2144.1	301.5	225.6	126.1	72.9	55.2	51.2	50.3	50.3	50.3
57.5°	6134.6	2016.0	241.4	175.4	90.7	59.1	48.3	45.3	43.4	42.4	42.4
60°	6269.6	1932.2	172.4	126.1	68.0	49.3	41.4	38.4	35.5	33.5	33.5
62.5°	6449.0	1859.3	128.1	93.6	52.2	39.4	34.5	31.5	27.6	25.6	25.6
65°	6586.9	1729.2	97.5	70.0	39.4	31.5	26.6	25.6	19.7	17.7	16.8
67.5°	6376.1	1443.5	78.8	51.2	29.6	24.6	20.7	19.7	11.8	9.9	9.9
70°	5468.6	1005.0	63.1	37.4	21.7	19.7	16.8	12.8	8.9	7.9	7.9
71°	4959.2	839.5	57.1	31.5	18.7	18.7	15.8	10.8	7.9	6.9	6.9
72.5°	4119.7	596.1	48.3	24.6	16.8	19.7	16.8	9.9	7.9	6.9	5.9
75°	2391.4	249.3	33.5	16.8	12.8	23.6	21.7	8.9	5.9	4.9	4.9
77.5°	719.3	91.6	18.7	10.8	9.9	20.7	24.6	7.9	3.0	1.0	1.0
80°	131.0	39.4	11.8	6.9	6.9	12.8	18.7	3.9	0.0	0.0	0.0
82.5°	46.3	19.7	6.9	3.9	3.0	5.9	8.9	0.0	0.0	0.0	0.0
85°	26.6	13.8	3.9	2.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0
87.5°	17.7	3.9	0.0	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)