

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: P192744

Luminaire Tested: **GAN-AF-06-LED-U-RW-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-RW-7030-800
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28436.9 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 249
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: 28.75 FT

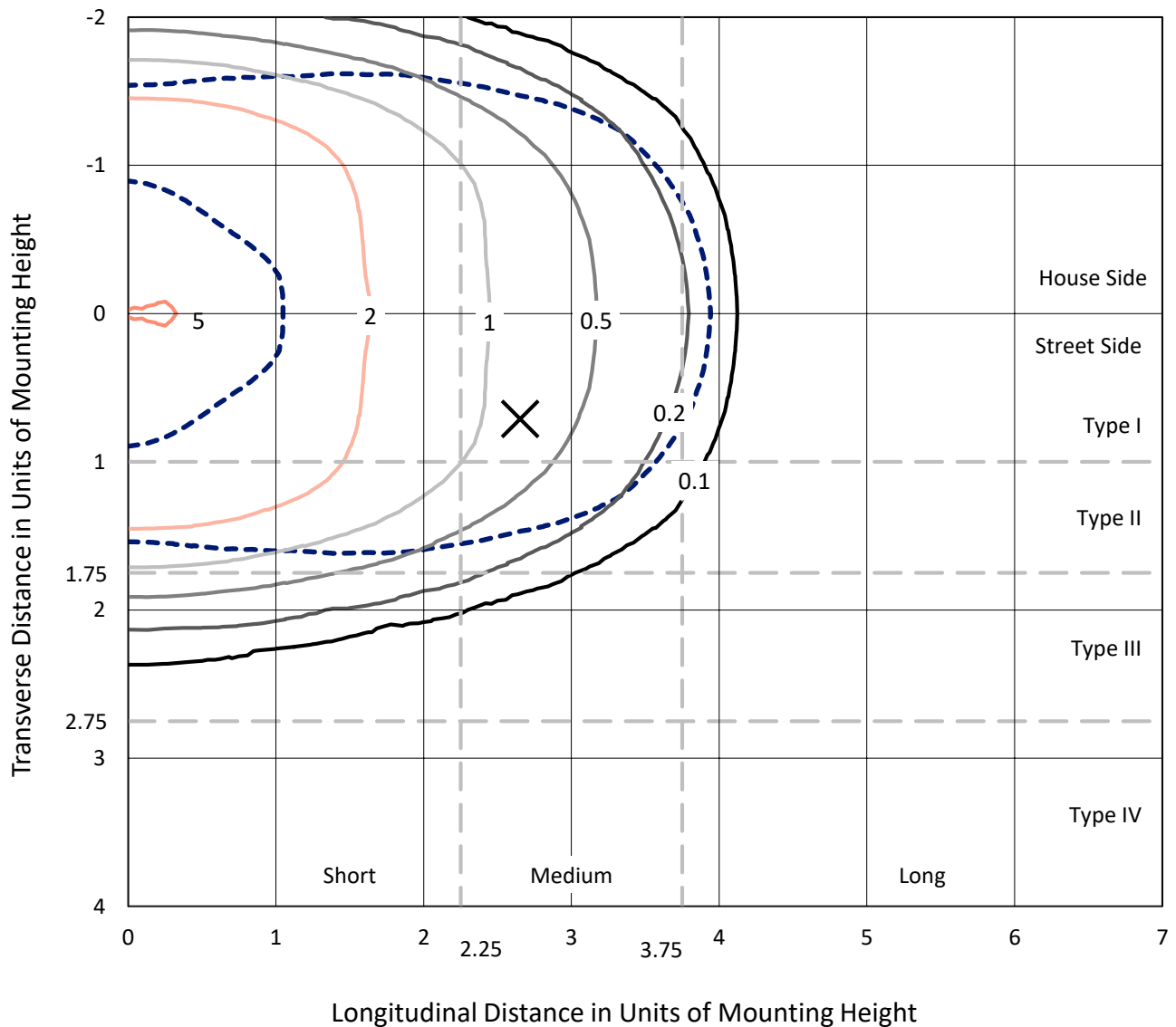


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

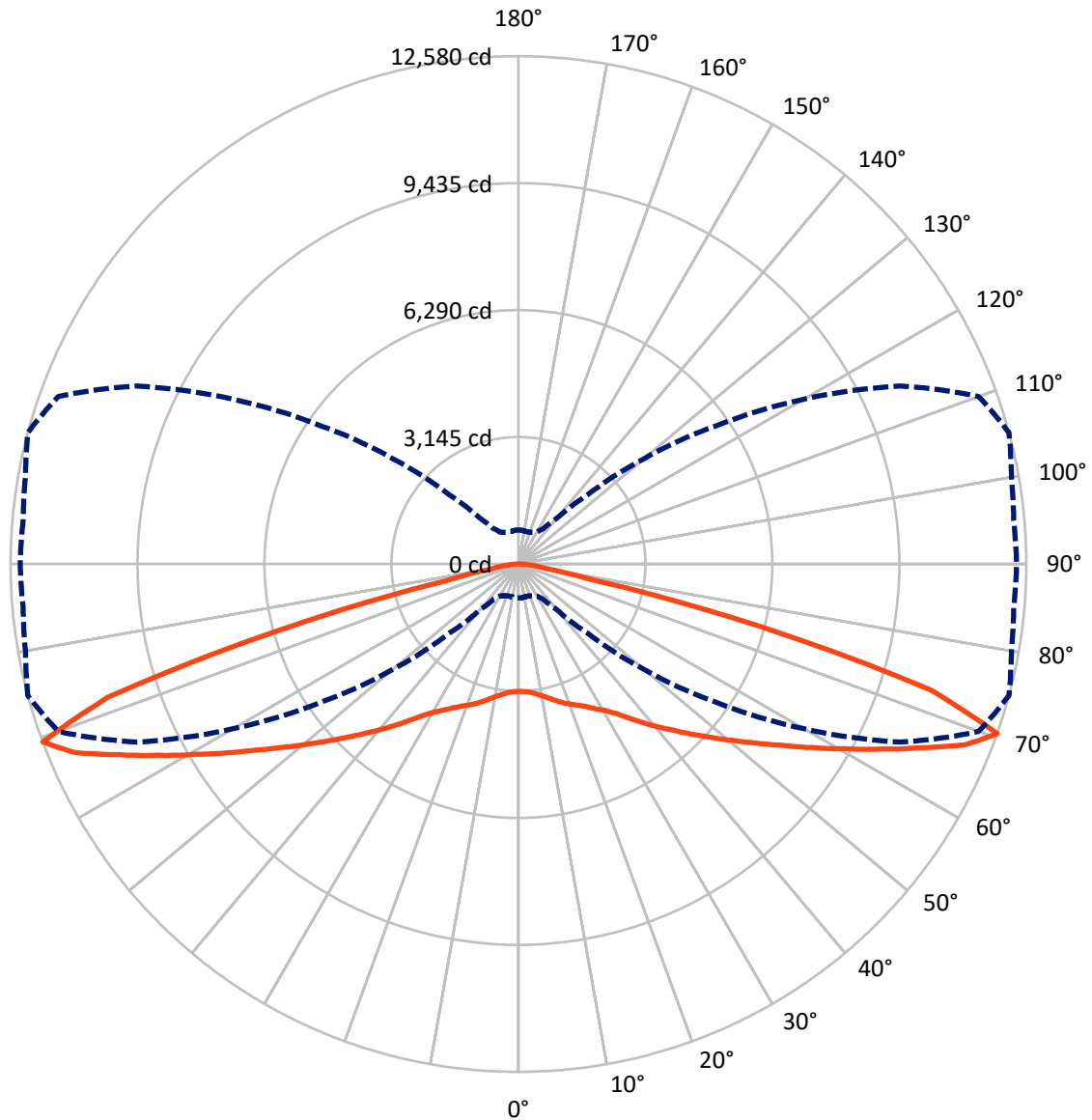


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14218.5	0.0	14218.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14218.5	0.0	14218.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28436.9	0.0	28436.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.5	1.1
10°-20°	940.0	3.3
20°-30°	1769.2	6.2
30°-40°	3132.9	11.0
40°-50°	5239.2	18.4
50°-60°	7300.9	25.7
60°-70°	6770.4	23.8
70°-80°	2698.2	9.5
80°-90°	283.6	1.0
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°	28436.9	100.0
0°-180°	28436.9	100.0



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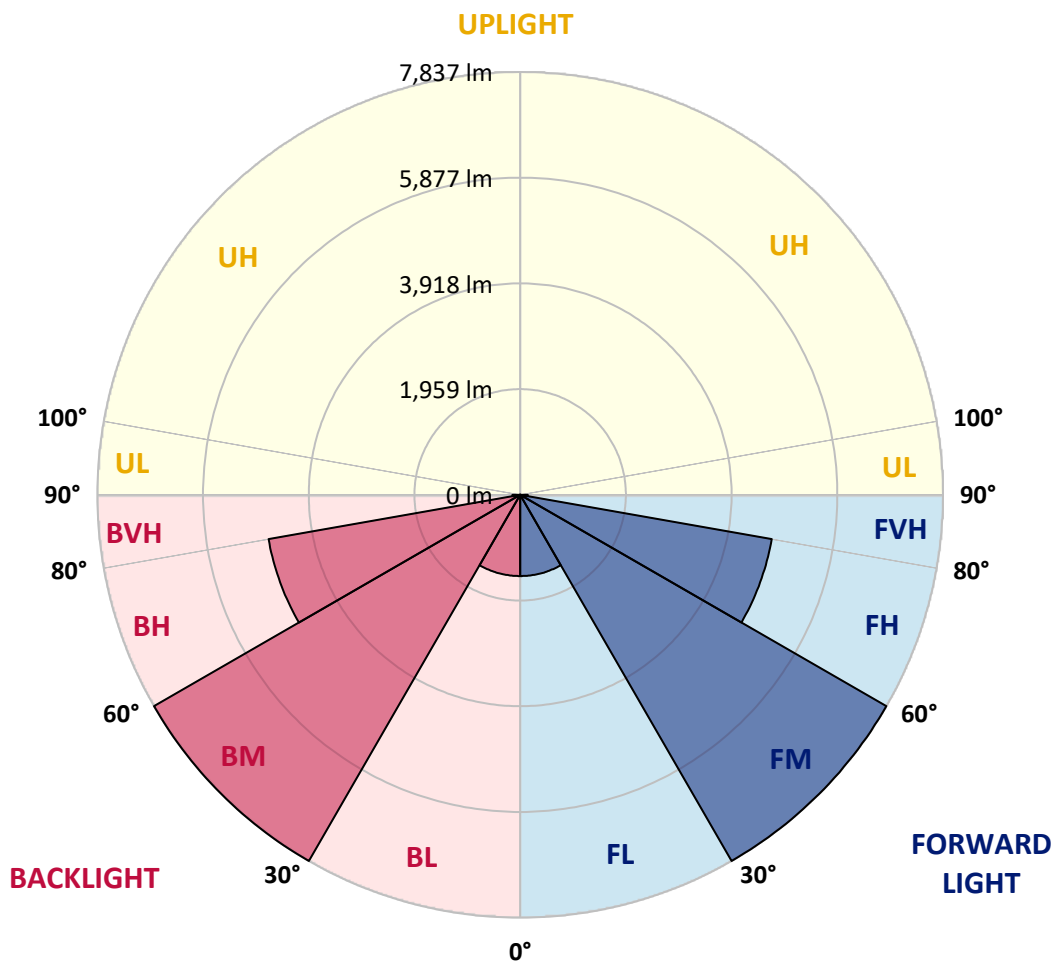
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1505.9	5.3			
FM	(30°-60°)	7836.5	27.6			
FH	(60°-80°)	4734.3	16.6			G2/5000
FVH	(80°-90°)	141.8	0.5			G2/225
BL	(0°-30°)	1505.9	5.3	B3/2500		
BM	(30°-60°)	7836.5	27.6	B4/8500		
BH	(60°-80°)	4734.3	16.6	B4/5000		G2/5000
BVH	(80°-90°)	141.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4
2.5°	3149.0	3146.2	3149.0	3147.6	3150.3	3150.3	3153.0	3158.3	3158.3	3162.4	3161.1
5°	3118.0	3116.7	3120.7	3124.7	3128.7	3136.9	3144.9	3157.0	3166.5	3173.1	3179.9
7.5°	3057.5	3057.5	3063.0	3072.4	3081.7	3099.2	3118.0	3142.2	3166.5	3186.5	3204.0
10°	3007.8	3010.5	3017.2	3033.4	3049.5	3076.4	3101.9	3136.9	3170.4	3204.0	3230.9
12.5°	2978.3	2982.3	2994.4	3018.7	3045.5	3081.7	3120.7	3165.0	3202.7	3243.1	3269.9
15°	2987.7	2990.3	3007.8	3037.4	3072.4	3118.0	3170.4	3222.8	3267.2	3310.2	3346.5
17.5°	3040.0	3044.1	3064.2	3097.8	3134.1	3187.9	3244.4	3303.5	3358.6	3407.0	3451.3
20°	3134.1	3138.2	3163.7	3199.9	3243.1	3298.1	3354.6	3416.4	3478.3	3529.3	3579.0
22.5°	3267.2	3274.0	3298.1	3334.4	3382.7	3441.8	3509.1	3575.0	3634.1	3681.2	3725.5
25°	3441.8	3456.8	3479.6	3519.9	3570.9	3624.6	3697.4	3764.5	3820.9	3865.3	3897.5
27.5°	3689.2	3709.4	3726.9	3765.8	3815.6	3866.5	3939.3	3998.4	4052.1	4095.1	4119.3
30°	4017.1	4037.3	4054.8	4092.5	4138.0	4186.5	4255.0	4307.4	4341.1	4374.6	4373.3
32.5°	4414.9	4436.5	4443.1	4483.6	4530.6	4583.0	4644.8	4674.3	4701.2	4705.2	4681.1
35°	4859.9	4870.6	4897.4	4951.2	5004.9	5048.0	5107.1	5121.8	5121.8	5101.8	5048.0
37.5°	5347.7	5354.4	5392.1	5452.5	5507.6	5552.0	5592.3	5621.8	5607.0	5564.0	5474.0
40°	5882.6	5894.6	5948.4	6002.1	6064.0	6105.7	6148.7	6154.0	6139.3	6076.1	5953.9
42.5°	6393.3	6404.0	6457.8	6542.5	6623.1	6680.8	6721.2	6729.3	6682.3	6624.5	6472.6
45°	6832.7	6861.1	6930.9	7030.4	7147.3	7229.2	7284.4	7307.3	7265.5	7190.3	7014.2
47.5°	7180.8	7209.2	7308.6	7426.8	7572.0	7705.1	7796.4	7844.9	7834.0	7777.6	7585.5
50°	7436.1	7463.1	7570.6	7715.8	7885.1	8050.4	8206.4	8321.9	8362.2	8336.7	8160.7
52.5°	7465.8	7510.2	7636.4	7831.3	8051.8	8277.6	8499.3	8695.5	8828.5	8848.8	8718.4
55°	7053.2	7097.6	7272.3	7561.2	7889.2	8257.4	8612.3	8942.9	9204.9	9339.3	9270.7
57.5°	6080.2	6159.5	6343.6	6682.3	7164.7	7715.8	8281.7	8868.9	9402.5	9758.6	9827.3
60°	4659.6	4753.7	4939.1	5299.3	5836.8	6494.2	7249.5	8117.6	9059.8	9860.7	10339.2
62.5°	2989.0	3077.8	3272.6	3585.8	4023.9	4736.2	5546.5	6577.4	7843.5	9108.2	10247.9
65°	1536.1	1584.6	1686.8	1876.2	2217.5	2749.7	3476.8	4505.0	5952.5	7512.8	9160.6
67.5°	973.1	982.5	1005.3	1032.2	1119.6	1303.7	1642.3	2283.4	3474.2	5101.8	7030.4
70°	841.3	841.3	830.6	826.5	837.3	862.8	915.3	1064.4	1466.3	2421.8	4054.8
72.5°	770.1	762.1	743.2	728.4	725.7	725.7	736.5	759.4	823.9	986.5	1587.2
75°	709.6	686.8	661.2	643.7	637.1	630.3	629.0	633.0	646.5	672.0	758.0
77.5°	635.7	606.2	576.6	559.1	551.0	541.6	533.5	524.1	517.5	525.5	563.1
80°	547.0	513.4	490.6	479.7	471.8	458.4	440.9	424.7	409.9	407.2	430.1
82.5°	440.9	401.8	403.1	407.2	392.5	373.6	354.8	337.4	311.8	298.4	311.8
85°	356.1	336.0	326.5	352.2	330.6	302.4	272.8	241.9	201.6	169.4	184.1
87.5°	138.4	138.4	206.9	318.5	286.3	233.9	200.3	170.7	106.2	82.0	83.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4	3154.4
2.5°	3159.7	3162.4	3161.1	3159.7	3159.7	3158.3	3159.7	3159.7
5°	3184.0	3190.6	3190.6	3193.3	3193.3	3194.6	3196.0	3194.6
7.5°	3220.2	3232.2	3240.3	3249.7	3251.1	3252.4	3255.2	3252.4
10°	3256.5	3280.6	3298.1	3315.6	3323.6	3326.4	3329.0	3329.0
12.5°	3302.2	3335.8	3366.8	3397.5	3412.3	3420.5	3420.5	3425.9
15°	3377.4	3411.0	3447.3	3488.9	3514.6	3528.0	3532.1	3532.1
17.5°	3483.6	3513.1	3544.1	3584.4	3616.6	3634.1	3638.2	3636.8
20°	3607.2	3635.5	3653.0	3678.4	3706.7	3726.9	3732.2	3732.2
22.5°	3748.3	3764.5	3767.2	3775.2	3798.1	3824.9	3837.0	3839.7
25°	3904.3	3908.3	3897.5	3897.5	3912.3	3937.8	3949.9	3951.3
27.5°	4105.9	4085.6	4058.8	4049.3	4058.8	4088.4	4103.1	4108.5
30°	4357.2	4308.7	4247.0	4213.4	4208.0	4247.0	4273.9	4277.8
32.5°	4644.8	4574.9	4493.0	4424.4	4406.9	4431.1	4463.3	4462.0
35°	4986.1	4902.8	4803.4	4716.0	4675.8	4699.9	4745.5	4750.9
37.5°	5379.9	5271.1	5156.8	5046.6	4983.5	4990.2	5038.6	5054.7
40°	5819.4	5678.3	5534.5	5386.7	5296.7	5279.2	5338.3	5347.7
42.5°	6289.8	6108.3	5927.0	5744.2	5628.6	5601.7	5670.2	5666.1
45°	6791.1	6559.9	6347.6	6146.1	6008.9	5968.7	6025.1	6025.1
47.5°	7330.1	7045.1	6792.4	6564.0	6414.8	6357.0	6410.8	6414.8
50°	7901.2	7598.9	7301.8	7047.8	6869.0	6795.2	6865.1	6875.8
52.5°	8469.8	8175.5	7875.7	7585.5	7369.0	7279.0	7359.6	7394.5
55°	9046.3	8757.3	8471.1	8187.6	7930.8	7824.6	7910.7	7955.0
57.5°	9655.1	9387.7	9114.9	8828.5	8581.3	8416.0	8507.4	8566.5
60°	10368.8	10140.4	9856.8	9540.8	9291.0	9122.9	9175.4	9227.7
62.5°	10933.2	11022.0	10781.3	10415.8	10094.6	9879.6	9930.7	9985.8
65°	10660.4	11570.3	11784.0	11414.5	10969.5	10634.9	10613.5	10641.7
67.5°	8910.5	10677.9	11966.7	12318.9	11946.6	11481.6	11395.6	11437.3
70°	5960.5	8162.0	10436.0	12129.4	12579.7	12399.5	12314.8	12340.4
72.5°	2862.7	4753.7	7080.1	9331.3	10702.1	11331.1	11532.7	11630.7
75°	1046.9	1886.9	3412.3	5142.1	6207.8	7186.2	7824.6	8085.4
77.5°	631.6	762.1	1090.0	1641.0	1858.7	2080.6	1994.4	2037.4
80°	467.7	528.2	598.0	672.0	696.2	696.2	669.3	647.8
82.5°	327.9	366.9	400.6	440.9	451.6	431.5	354.8	282.2
85°	211.0	228.5	243.2	268.8	262.1	249.9	168.0	149.1
87.5°	96.8	110.3	115.6	127.8	122.3	116.9	83.4	69.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)