

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: P649610

Luminaire Tested: **GLAN-SA8D-835-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-835-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42697.8 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

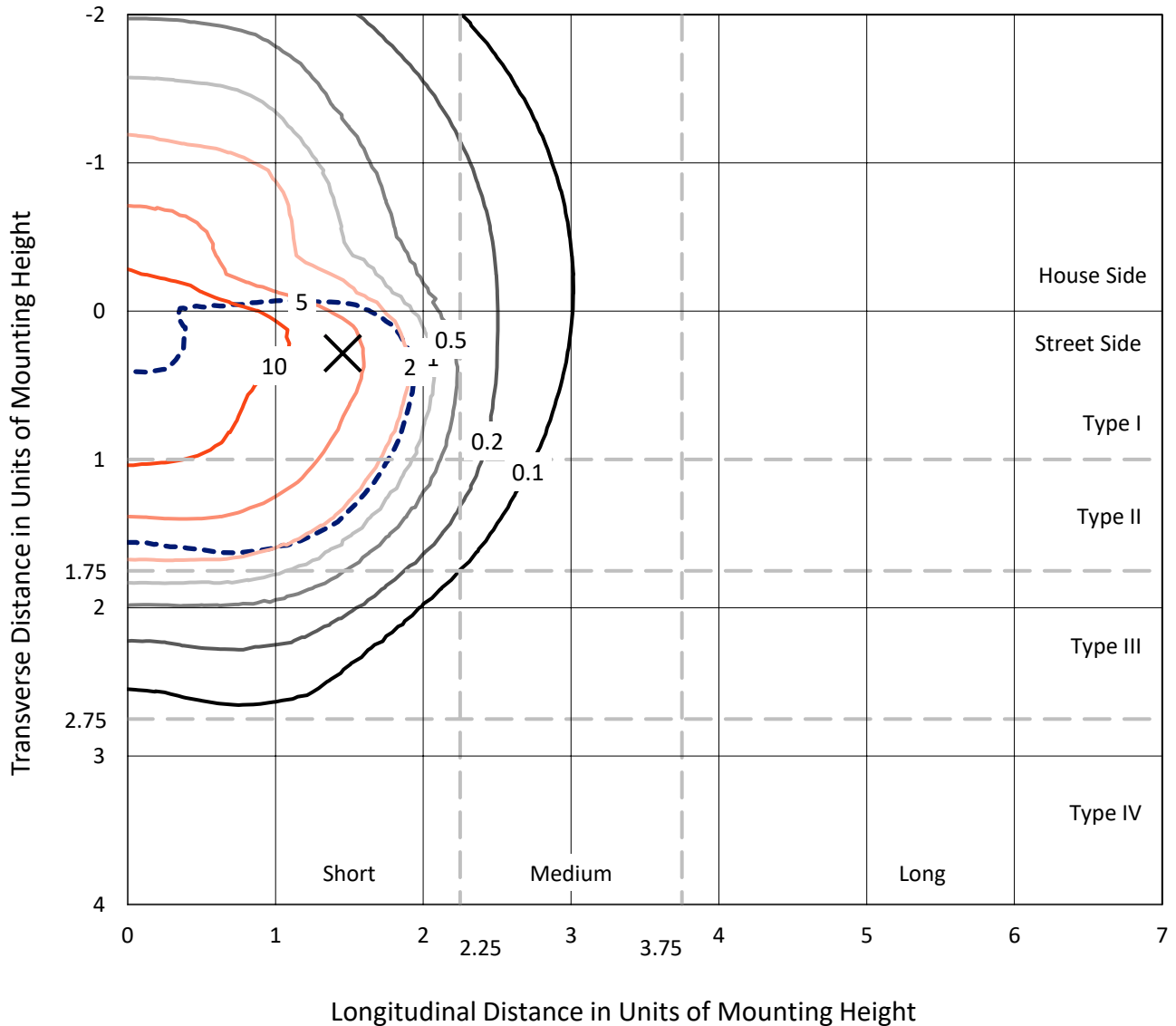
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

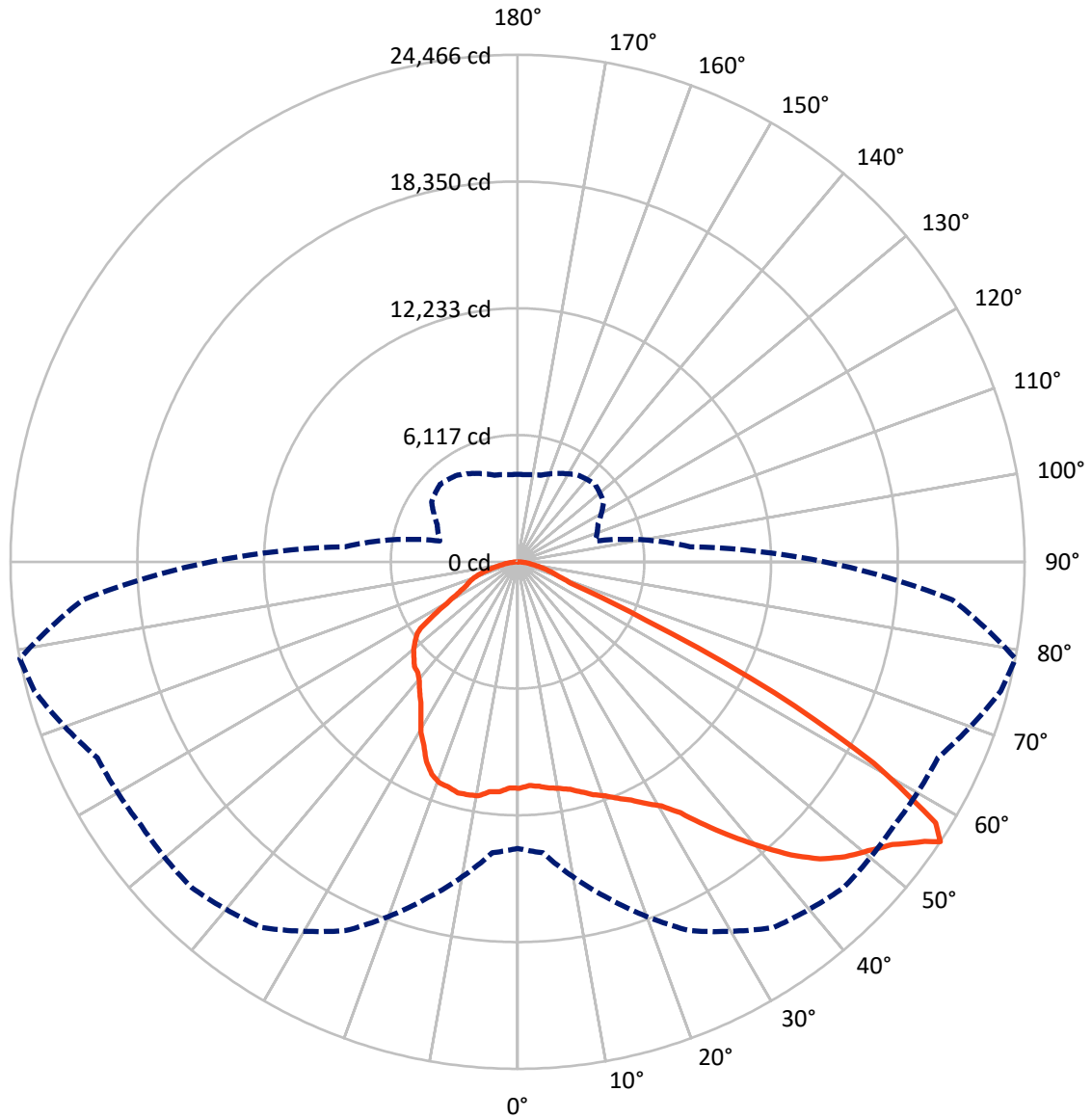
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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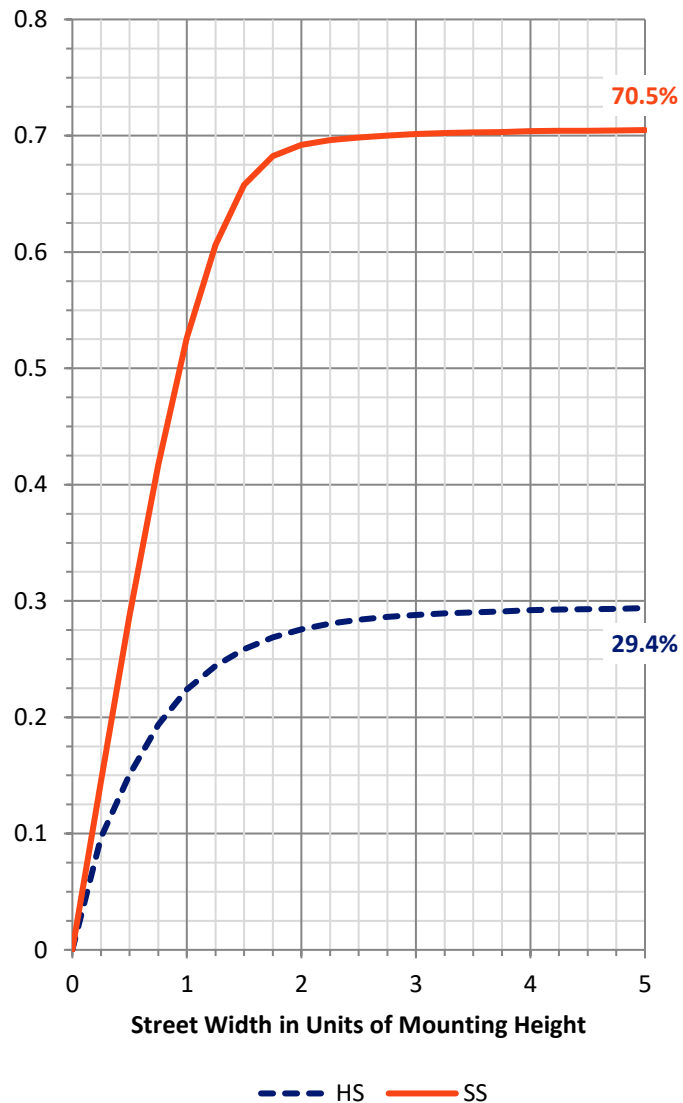
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12609.6	0.0	12609.6
	% Fixture	29.5	0.0	29.5
Street Side	Lumens	30088.2	0.0	30088.2
	% Fixture	70.5	0.0	70.5
Total	Lumens	42697.8	0.0	42697.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	993.3	2.3
10°-20°	2718.3	6.4
20°-30°	4650.4	10.9
30°-40°	7127.4	16.7
40°-50°	9632.6	22.6
50°-60°	11063.4	25.9
60°-70°	5043.0	11.8
70°-80°	1243.4	2.9
80°-90°	226.0	0.5
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°	42697.8	100.0
0°-180°	42697.8	100.0

Coefficient of Utilization

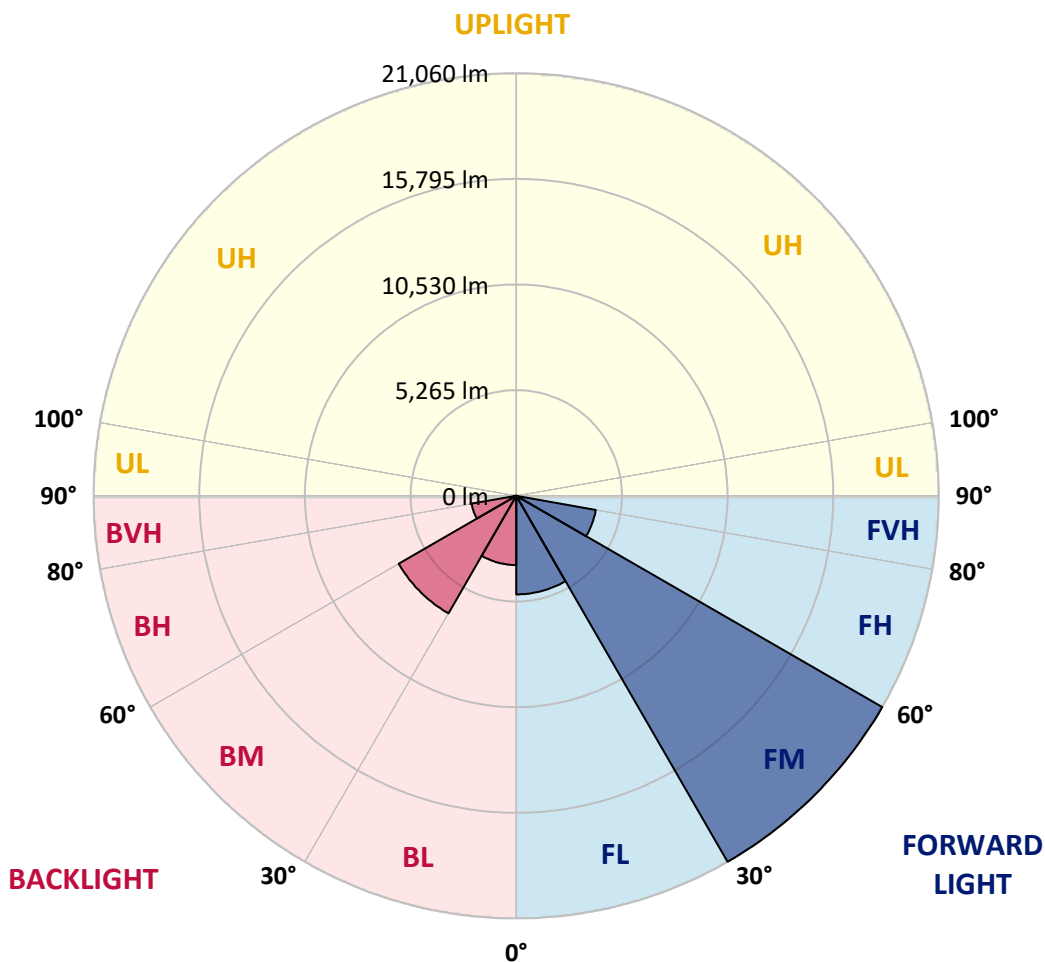


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4912.7	11.5			
FM (30°-60°)	21059.8	49.3			
FH (60°-80°)	4025.4	9.4			G2/5000
FVH (80°-90°)	90.2	0.2			G1/100
BL (0°-30°)	3449.3	8.1	B4/5000		
BM (30°-60°)	6763.6	15.8	B4/8500		
BH (60°-80°)	2261.0	5.3	B3/2500		G3/2500
BVH (80°-90°)	135.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7
2.5°	10392.8	10366.2	10430.0	10477.9	10536.4	10610.9	10648.1	10669.4	10855.5	10807.7	10951.3
5°	10169.4	10100.2	10148.1	10185.3	10286.4	10376.9	10477.9	10637.4	10807.7	10882.1	11057.6
7.5°	9972.6	9935.4	9924.8	9951.3	10089.7	10206.6	10382.2	10616.1	10892.8	11015.1	11116.2
10°	9648.2	9595.0	9674.7	9850.3	9887.5	10132.2	10334.3	10669.4	10908.7	11121.5	11419.3
12.5°	9504.6	9451.4	9467.3	9568.4	9829.0	10063.0	10302.4	10680.0	11185.3	11270.4	11669.3
15°	9733.2	9680.1	9696.0	9669.4	9919.4	10041.7	10419.4	10892.8	11376.8	11520.4	11945.8
17.5°	10254.5	10259.8	10190.7	10132.2	10073.7	10334.3	10594.9	11020.4	11451.2	11812.9	12132.0
20°	11249.1	11073.6	10935.3	10605.6	10515.1	10626.8	10956.6	11366.1	11754.4	12052.2	12413.9
22.5°	12015.0	12031.0	11834.2	11291.6	11094.9	11142.7	11424.6	11759.7	12185.2	12397.9	12812.9
25°	13126.6	13014.9	12802.2	12371.4	11929.9	11967.1	12174.6	12477.7	12594.7	12743.6	13195.7
27.5°	14142.5	14174.4	13754.3	13350.0	12802.2	12695.8	13068.1	13121.3	12924.5	13206.4	13360.6
30°	15174.3	15147.8	14871.1	14397.8	13860.6	13881.9	14046.8	13786.1	13514.9	13669.1	13775.5
32.5°	16243.4	15940.2	15929.6	15504.1	15094.5	14897.7	14695.7	14823.3	14403.1	14435.0	14334.0
35°	17099.7	17142.3	16897.6	16594.4	16392.3	16046.6	15493.5	15722.2	15642.4	15605.1	15169.0
37.5°	17722.0	17557.1	17679.4	17578.4	17386.9	16956.1	16381.7	16599.8	16636.9	16817.8	16312.6
40°	18232.6	18163.5	18487.9	18541.1	18408.1	17477.3	16445.5	17094.4	17652.9	18046.4	17445.4
42.5°	18477.2	18626.2	18966.6	19376.1	19078.3	18083.7	16775.3	17472.0	18716.6	19338.9	18519.8
45°	18807.0	18615.6	19120.9	19870.7	19876.1	18594.3	17094.4	17982.6	19546.3	20450.6	19253.8
47.5°	18471.9	18567.7	19088.9	20041.0	20285.7	19131.4	17956.0	18705.9	20461.1	21264.2	19934.6
50°	17722.0	17913.5	18865.5	19854.8	20594.2	19700.6	18945.3	19487.9	21306.8	21918.5	20046.3
52.5°	16940.1	17046.5	18535.8	19998.4	20732.4	20434.6	20269.7	20567.5	22338.7	22657.7	20184.6
55°	14812.6	15317.9	17445.4	19934.6	21407.8	21758.9	21631.2	22067.4	23508.8	23827.9	20939.8
56°	13828.7	14094.6	16791.2	19636.8	21540.9	22242.9	22179.1	22375.9	24131.0	24466.2	21056.8
57.5°	12009.7	12031.0	14318.0	18317.7	21040.9	22386.5	22322.7	22477.0	24008.7	23780.0	20030.3
60°	7515.4	7845.1	9743.9	14089.3	17892.2	20769.6	21131.3	19892.0	20243.1	19759.1	15583.9
62.5°	3893.3	3845.5	5105.9	8238.7	11876.7	14871.1	15206.3	15147.8	14605.2	13897.9	10180.0
65°	1941.4	1951.9	2670.0	4079.4	6084.6	7786.6	8722.7	8823.8	7382.4	6792.1	4829.4
67.5°	1409.5	1462.6	1920.1	2494.5	2866.8	3207.2	3930.5	3856.0	2920.0	2776.4	2574.3
70°	1095.7	1143.5	1558.4	1904.1	1728.6	1728.6	1882.8	1946.6	2079.6	2138.1	2207.3
72.5°	797.8	835.1	1191.4	1313.7	1132.9	1218.0	1409.5	1558.4	1696.7	1718.0	1797.8
75°	547.9	579.7	781.8	723.3	680.8	840.4	1031.8	1170.1	1271.2	1324.4	1372.2
77.5°	356.3	367.0	446.8	377.6	436.1	542.5	670.2	787.1	888.2	930.8	941.4
80°	159.6	175.5	191.4	239.4	303.2	388.3	478.6	574.4	638.2	654.2	686.1
82.5°	90.4	90.4	117.0	170.2	223.4	281.9	345.7	414.8	489.3	505.3	499.9
85°	47.8	47.8	69.1	101.1	138.3	164.9	159.6	164.9	175.5	202.1	196.8
87.5°	16.0	16.0	21.3	21.3	26.6	31.9	26.6	37.2	47.8	47.8	47.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7	10924.7
2.5°	10908.7	10956.6	10892.8	11031.1	11031.1	11004.4	10871.5	10914.0	10945.9	10945.9	10972.6
5°	11116.2	11100.2	11142.7	10977.9	10876.8	10839.5	10621.5	10515.1	10424.7	10419.4	10339.6
7.5°	11233.2	11190.6	11174.7	11052.3	10605.6	10334.3	9866.3	9595.0	9536.5	9329.1	9408.8
10°	11419.3	11499.1	11419.3	10754.5	10132.2	9509.9	9052.5	8632.3	8467.4	8334.5	8254.7
12.5°	11802.2	11765.0	11302.3	10403.4	9531.1	8791.8	8111.1	7669.6	7504.7	7387.7	7377.1
15°	12126.7	11940.5	11233.2	9850.3	8595.1	7807.9	7249.4	6935.7	6861.2	6871.8	6919.7
17.5°	12238.4	12110.7	10871.5	9275.9	7898.3	6972.8	6712.3	6664.3	6733.5	6813.3	6834.6
20°	12413.9	12211.8	10722.6	8494.0	7036.7	6451.6	6435.6	6605.9	6733.5	6850.5	6866.4
22.5°	12780.9	12270.3	10238.6	7754.7	6446.3	6297.4	6451.6	6595.2	6792.1	6887.7	6802.6
25°	12887.3	12142.7	9557.8	6866.4	6074.0	6201.7	6366.5	6563.3	6701.6	6754.8	6792.1
27.5°	12977.7	11945.8	8637.6	6276.1	5957.0	6196.3	6366.5	6531.4	6605.9	6653.7	6696.3
30°	13233.0	11887.3	7839.8	5882.5	5882.5	6089.9	6308.0	6350.6	6451.6	6510.1	6584.6
32.5°	13360.6	11483.2	7020.7	5632.5	5808.1	6143.1	6159.1	6238.9	6244.2	6292.0	6212.2
35°	13695.8	11196.0	6260.2	5451.7	5839.9	6089.9	6169.7	6121.9	5861.2	5733.6	5760.2
37.5°	13940.4	11052.3	5712.3	5430.4	5845.3	6148.4	6191.0	5829.4	5558.0	5345.3	5398.5
40°	14599.9	10695.9	5297.5	5393.2	5893.2	6212.2	6095.3	5701.6	5212.4	4994.3	4957.0
42.5°	15105.2	10440.7	5036.8	5350.6	5930.4	6302.7	6047.4	5446.4	4946.4	4744.3	4797.5
45°	15690.2	10382.2	4898.5	5361.3	5994.2	6350.6	5988.9	5249.6	4717.7	4637.9	4622.0
47.5°	15897.7	9962.0	4749.6	5270.8	5978.3	6334.6	5792.1	5100.7	4632.6	4643.3	4685.8
50°	15551.9	9531.1	4637.9	5084.7	5871.9	6191.0	5483.6	4903.9	4584.8	4717.7	4792.2
52.5°	15110.5	9089.7	4409.2	4834.7	5653.8	5967.6	5340.0	4893.2	4536.9	4494.3	4510.3
55°	15243.4	8728.0	4090.1	4494.3	5302.8	5552.7	5180.4	4792.2	4419.9	4260.3	4313.5
56°	14812.6	8355.7	3882.7	4281.6	5063.4	5286.8	5100.7	4701.8	4324.1	4217.8	4217.8
57.5°	13594.7	7105.8	3611.4	3941.2	4558.2	4824.1	4946.4	4648.6	4217.8	4031.6	4036.9
60°	10025.8	5052.8	3239.1	3473.2	3776.3	3989.1	4558.2	4499.7	3951.8	3824.2	3776.3
62.5°	6180.4	3691.2	2973.2	3063.6	3217.8	3393.4	3978.4	4074.2	3669.9	3531.6	3499.7
65°	3462.5	2824.3	2771.0	2808.3	2882.8	2973.2	3302.9	3515.7	3239.1	3026.4	3015.7
67.5°	2531.8	2526.4	2568.9	2600.9	2632.8	2632.8	2712.5	2797.7	2760.4	2590.2	2574.3
70°	2249.8	2265.8	2297.7	2303.0	2313.6	2276.4	2212.6	2186.0	2228.6	2122.2	2100.9
72.5°	1856.3	1909.4	1946.6	1951.9	1893.5	1845.6	1760.5	1670.1	1638.2	1616.9	1611.6
75°	1425.5	1462.6	1478.6	1473.3	1452.0	1382.9	1281.8	1191.4	1132.9	1069.0	1101.0
77.5°	962.7	1015.9	1042.5	1042.5	1010.5	904.2	856.3	787.1	728.7	659.5	670.2
80°	675.5	712.7	755.3	750.0	696.8	643.5	574.4	510.6	462.8	409.5	404.2
82.5°	505.3	526.6	547.9	537.2	499.9	446.8	398.9	340.4	287.2	250.0	250.0
85°	180.9	196.8	239.4	250.0	271.2	271.2	228.7	191.4	154.3	127.6	127.6
87.5°	53.2	53.2	58.5	58.5	53.2	58.5	47.8	53.2	58.5	37.2	37.2
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)