

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: P654549

Luminaire Tested: **GLAN-SA8B-840-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-840-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32413 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

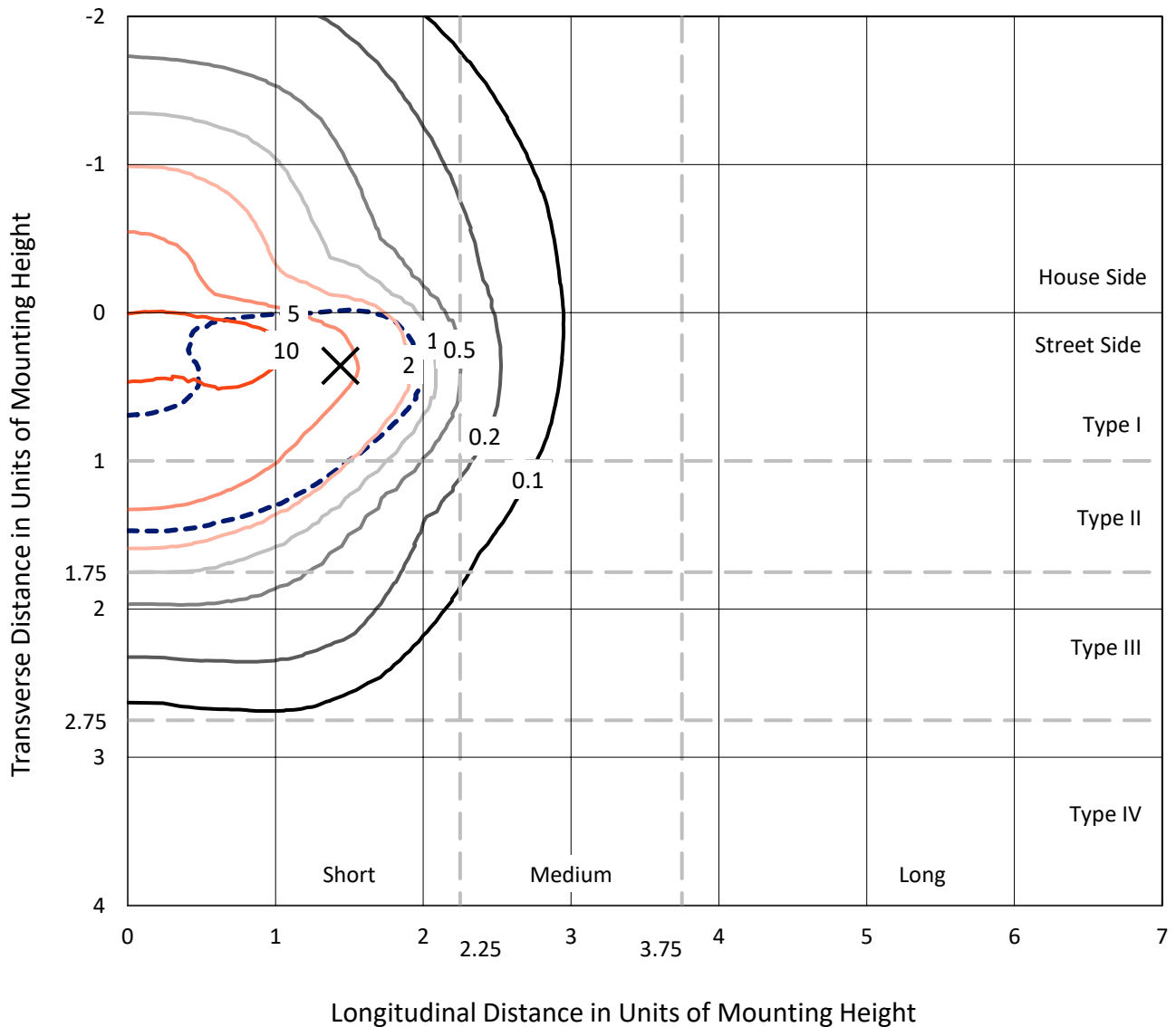
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

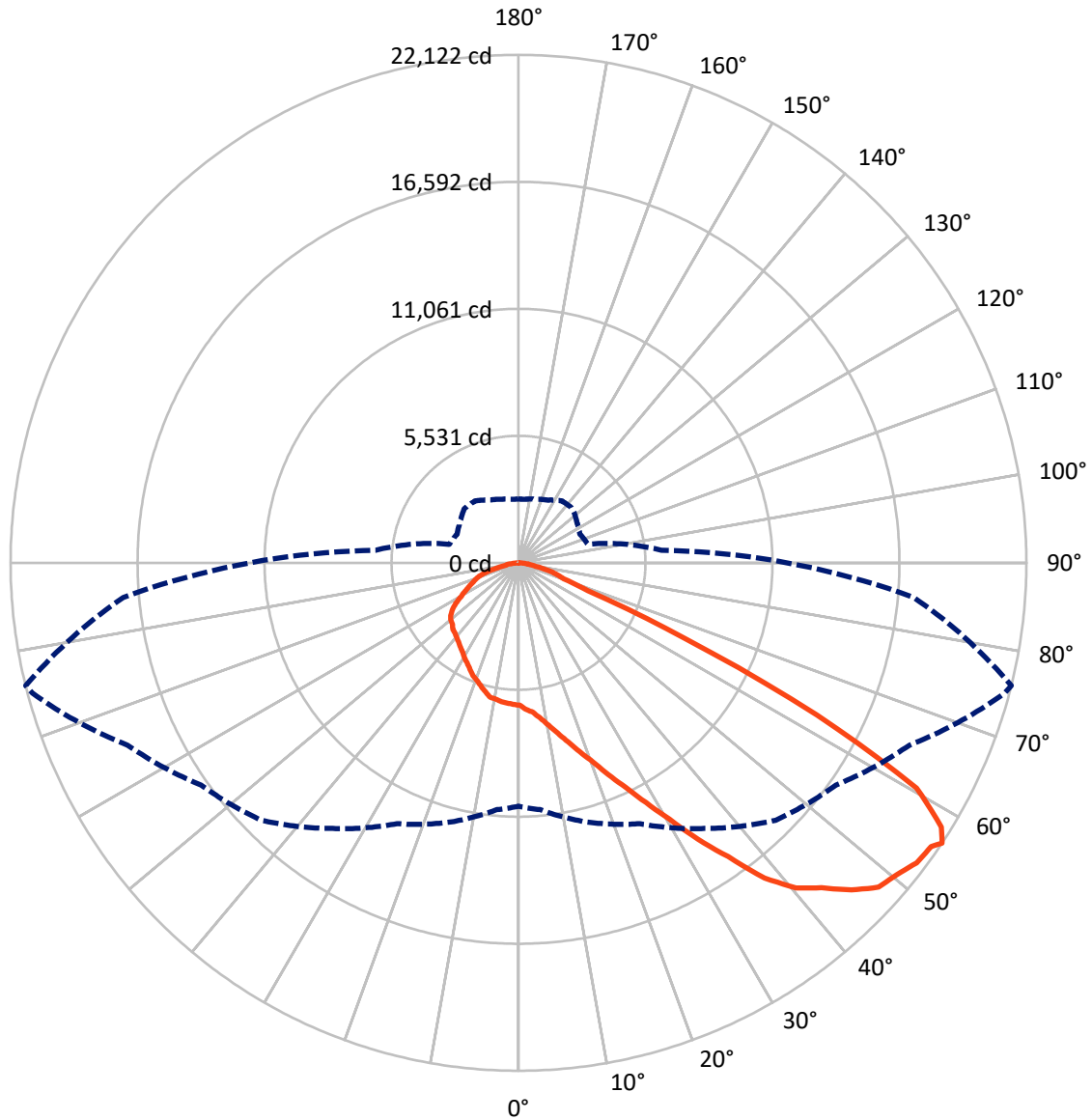
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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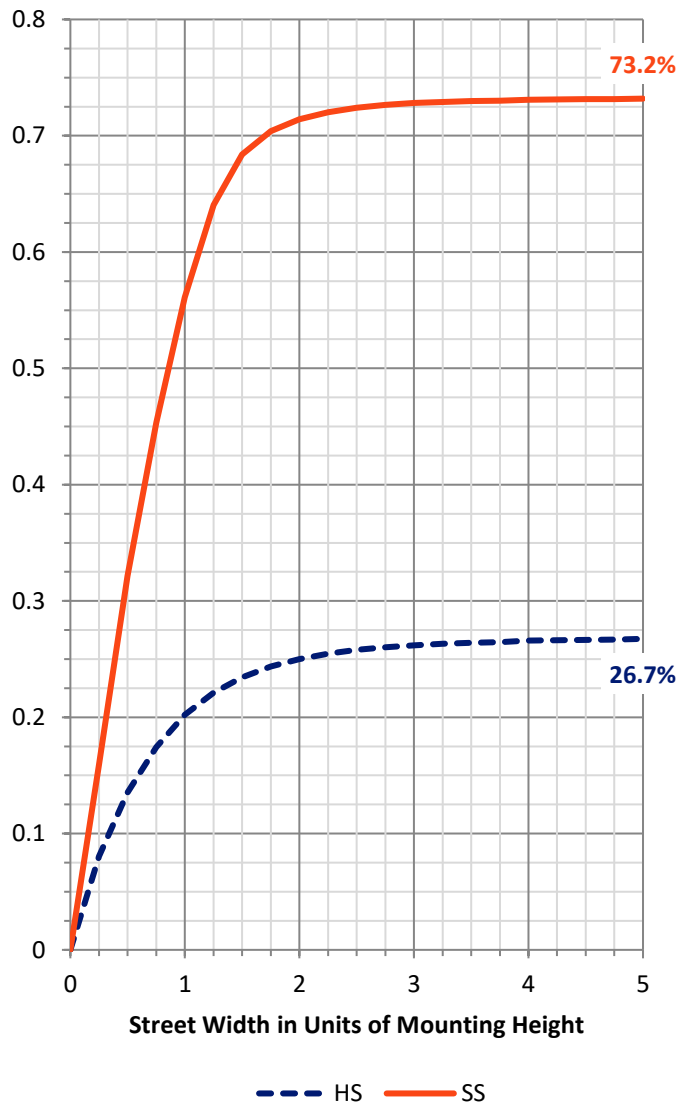
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8714.9	0.0	8714.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	23698.1	0.0	23698.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	32413.0	0.0	32413.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.0	1.9
10°-20°	1932.0	6.0
20°-30°	3378.8	10.4
30°-40°	5290.3	16.3
40°-50°	7695.9	23.7
50°-60°	8458.2	26.1
60°-70°	3775.4	11.6
70°-80°	1090.5	3.4
80°-90°	176.9	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°	32413.0	100.0
0°-180°	32413.0	100.0

Coefficient of Utilization

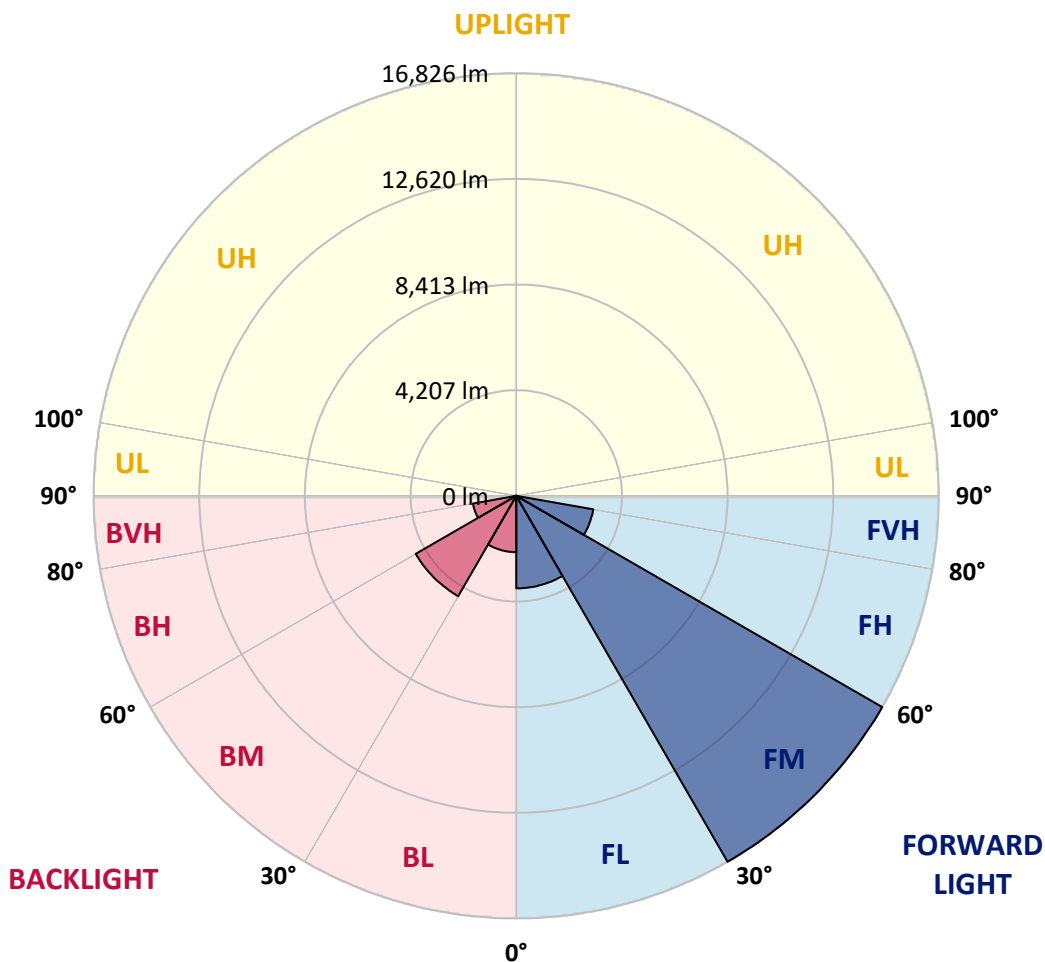


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3683.4	11.4			
FM (30°-60°)	16826.2	51.9			
FH (60°-80°)	3112.4	9.6			G2/5000
FVH (80°-90°)	76.1	0.2			G1/100
BL (0°-30°)	2242.5	6.9	B3/2500		
BM (30°-60°)	4618.2	14.2	B3/5000		
BH (60°-80°)	1753.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	100.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8
2.5°	6832.0	6722.8	6714.5	6685.0	6701.8	6626.2	6546.3	6441.3	6332.1	6399.3	6239.6
5°	7311.1	7164.0	7222.8	7122.0	7134.6	7033.8	6869.9	6748.0	6613.5	6533.7	6420.3
7.5°	7479.2	7491.7	7533.8	7516.9	7432.9	7432.9	7323.7	7109.4	6874.1	6827.9	6638.8
10°	7706.0	7710.2	7664.0	7676.6	7794.3	7739.6	7643.0	7550.6	7248.1	7193.4	6857.3
12.5°	7785.9	7710.2	7785.9	7853.1	7991.8	8067.4	8046.4	7979.2	7655.6	7617.8	7126.2
15°	7798.5	7752.3	7815.2	7966.5	8088.4	8407.7	8567.4	8521.2	8092.6	8096.8	7428.7
17.5°	7739.6	7802.7	7827.9	7958.1	8239.7	8538.0	9000.2	9063.2	8710.2	8655.7	7811.1
20°	7819.4	7773.3	7806.9	7924.5	8298.5	8764.9	9369.9	9785.9	9290.1	9252.3	8206.1
22.5°	8126.2	8063.2	8054.8	8130.5	8399.3	8882.6	9760.7	10508.6	9996.0	10017.0	8697.6
25°	8365.7	8399.3	8369.9	8365.7	8533.8	9059.0	10277.5	11370.0	10954.0	10832.2	9277.5
27.5°	8777.5	8857.3	8798.5	8878.4	8840.5	9323.7	10647.3	12323.8	11987.6	11823.8	9802.7
30°	9348.9	9390.9	9336.4	9336.4	9222.9	9693.5	10983.5	13319.6	13180.9	12958.2	10420.4
32.5°	10101.1	10164.1	10054.8	9991.8	9975.0	10243.9	11588.5	14302.8	14538.1	14349.1	11239.7
35°	11096.8	11059.1	10928.8	10870.0	10643.1	11088.5	12487.7	15433.1	16050.7	15714.6	12231.3
37.5°	11975.0	11916.2	11907.8	11580.1	11634.7	12000.2	13252.4	16290.3	17517.2	17420.6	13277.6
40°	12794.4	12849.0	12937.3	12752.3	12668.3	13071.7	14143.2	16945.7	18655.8	18618.1	14084.3
42.5°	13672.6	13622.1	13777.6	13622.1	13496.1	14067.5	15109.6	17399.5	19655.9	19344.9	14928.8
45°	14945.7	14786.0	14840.6	14853.2	14760.8	14970.9	15508.7	17727.3	20357.6	20323.9	15546.6
47.5°	16008.8	16012.9	15920.5	15849.1	15567.6	15777.7	15954.1	17933.1	21164.3	21109.7	15786.1
50°	16403.7	16349.0	16618.0	16773.5	16790.2	16361.7	16302.9	18046.6	21588.6	21349.2	16025.5
52.5°	14983.5	15033.9	15458.3	16382.7	16916.3	16962.5	16710.4	18281.9	21761.0	21710.5	16218.9
55°	12059.1	12302.7	13000.3	14067.5	15332.3	16723.0	17151.6	18525.5	21853.4	21811.3	17076.0
56°	10601.1	10790.1	11697.7	12533.8	14122.2	15853.3	16874.3	18786.1	21924.8	22122.3	17277.7
57.5°	8533.8	8752.3	9403.6	10353.1	12227.1	14197.8	16109.6	18466.8	21647.5	21723.1	17424.8
60°	5336.2	5357.3	6138.8	6764.8	8084.2	10008.6	12294.4	16067.6	20034.0	19924.8	15651.6
62.5°	3500.1	3504.3	4214.3	4727.0	5327.8	5769.0	7235.5	10655.7	14781.8	14588.6	11143.1
65°	2458.1	2512.7	3063.1	3748.0	3991.6	3760.6	3714.4	5617.8	8256.4	7979.2	5987.5
67.5°	1798.4	1802.6	2290.0	3025.2	3378.2	2861.4	2323.6	2743.8	3269.0	3260.6	2773.2
70°	1189.1	1239.5	1613.5	2260.5	2664.0	2298.4	1899.2	1962.2	2079.9	2079.9	2063.1
72.5°	693.3	739.5	987.4	1432.8	1495.8	1437.0	1504.2	1680.7	1756.3	1752.1	1731.1
75°	394.9	416.0	470.6	596.7	743.7	878.2	1105.1	1273.1	1348.8	1395.0	1340.4
77.5°	231.1	243.7	277.3	340.4	386.5	474.8	600.9	718.5	819.4	806.8	815.2
80°	121.9	121.9	155.5	201.7	269.0	336.1	399.1	466.4	521.0	533.6	546.2
82.5°	71.4	75.6	100.8	147.1	193.3	239.5	306.7	353.0	403.3	407.5	416.0
85°	37.8	42.0	63.0	96.6	130.3	147.1	151.3	142.9	155.5	147.1	168.0
87.5°	12.6	12.6	21.0	16.8	16.8	21.0	25.2	25.2	33.6	33.6	33.6
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°	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8	6201.8
2.5°	6235.4	6235.4	6164.0	6029.5	6008.5	5953.9	5903.5	5899.3	5861.4	5827.9	5811.1
5°	6353.1	6222.8	6117.8	5995.9	5853.0	5785.8	5710.2	5626.2	5592.6	5626.2	5622.0
7.5°	6487.6	6378.3	6063.2	5836.3	5672.4	5605.2	5521.1	5432.9	5441.3	5441.3	5382.5
10°	6617.7	6470.7	5966.5	5676.6	5437.1	5386.7	5340.4	5374.1	5416.0	5424.4	5386.7
12.5°	6836.2	6504.3	5920.3	5517.0	5365.7	5256.4	5285.9	5378.3	5466.5	5441.3	5470.7
15°	7000.1	6533.7	5710.2	5353.0	5164.0	5214.4	5319.4	5382.5	5529.5	5512.8	5542.1
17.5°	7159.8	6550.5	5504.3	5134.6	5054.7	5193.3	5273.2	5453.9	5500.1	5601.0	5638.7
20°	7487.5	6584.2	5294.3	5000.1	4974.9	5134.6	5273.2	5357.3	5458.1	5546.3	5546.3
22.5°	7655.6	6567.4	5155.6	4823.6	4903.5	5004.3	5130.4	5273.2	5273.2	5357.3	5361.5
25°	7865.7	6500.2	4937.1	4739.6	4798.4	4895.0	5037.9	4987.5	5042.1	5042.1	5109.3
27.5°	8105.2	6357.3	4748.0	4588.3	4706.0	4811.0	4832.0	4798.4	4735.4	4727.0	4701.8
30°	8298.5	6180.8	4609.4	4537.9	4634.6	4693.4	4626.2	4554.7	4445.4	4437.0	4378.2
32.5°	8563.2	5962.3	4437.0	4411.9	4521.1	4525.3	4504.3	4395.1	4235.4	4168.2	4100.9
35°	9008.6	5836.3	4306.8	4344.6	4378.2	4365.6	4327.8	4210.1	4050.5	4021.1	3995.8
37.5°	9336.4	5743.8	4172.4	4218.5	4248.0	4264.8	4151.3	4021.1	4025.3	3966.5	3949.7
40°	9706.1	5685.0	4063.1	4084.1	4088.4	4142.9	4004.3	3941.3	3970.7	3932.9	3958.1
42.5°	10180.9	5701.8	3949.7	3932.9	4012.7	3991.6	3924.4	3840.4	3857.2	3743.8	3760.6
45°	10433.0	5815.3	3882.4	3806.8	3895.0	3890.8	3802.6	3722.8	3621.9	3403.4	3411.9
47.5°	10601.1	5844.7	3722.8	3672.3	3764.8	3819.4	3718.6	3533.7	3390.8	3235.3	3197.6
50°	10773.3	5899.3	3647.2	3542.1	3579.9	3710.2	3584.1	3407.6	3269.0	3130.3	3151.3
52.5°	10924.6	6004.3	3500.1	3344.6	3411.9	3554.7	3487.5	3273.2	3121.9	3008.4	2974.9
55°	11596.9	6239.6	3252.1	3050.5	3210.2	3390.8	3353.0	3092.5	2928.6	2869.8	2861.4
56°	11701.9	6248.0	3121.9	2949.6	3096.7	3336.2	3290.0	3012.6	2865.6	2773.2	2777.4
57.5°	11718.7	6147.2	2937.0	2857.2	2983.3	3256.4	3197.6	2949.6	2748.0	2664.0	2638.7
60°	10311.2	4798.4	2705.9	2655.5	2802.5	3012.6	2991.7	2777.4	2550.5	2453.9	2500.0
62.5°	7029.6	3516.9	2525.3	2516.9	2592.5	2798.3	2743.8	2550.5	2361.4	2298.4	2268.9
65°	4092.6	2668.2	2348.8	2315.2	2378.2	2487.4	2525.3	2323.6	2126.1	2084.1	2071.5
67.5°	2416.0	2205.9	2121.9	2067.3	2046.2	2113.5	2142.9	2025.2	1827.7	1769.0	1819.3
70°	2021.1	1962.2	1966.4	1874.0	1823.5	1777.4	1752.1	1647.1	1483.2	1407.6	1386.6
72.5°	1743.7	1718.5	1701.7	1617.7	1571.5	1466.5	1357.2	1252.2	1130.3	1067.2	1071.4
75°	1332.0	1323.6	1332.0	1289.9	1210.1	1126.1	1025.3	890.8	798.4	718.5	735.3
77.5°	794.2	819.4	831.9	815.2	781.5	705.9	642.9	554.6	466.4	403.3	394.9
80°	546.2	567.3	588.3	567.3	533.6	479.0	411.8	344.6	281.5	247.9	239.5
82.5°	416.0	437.0	449.6	428.6	386.5	327.7	281.5	235.3	184.9	151.3	142.9
85°	151.3	172.2	168.0	201.7	218.5	210.1	180.6	138.7	105.0	75.6	71.4
87.5°	42.0	37.8	42.0	42.0	42.0	37.8	33.6	33.6	33.6	21.0	16.8
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)