

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: P652964

Luminaire Tested: **GLAN-SA6C-840-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-840-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21323.6 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

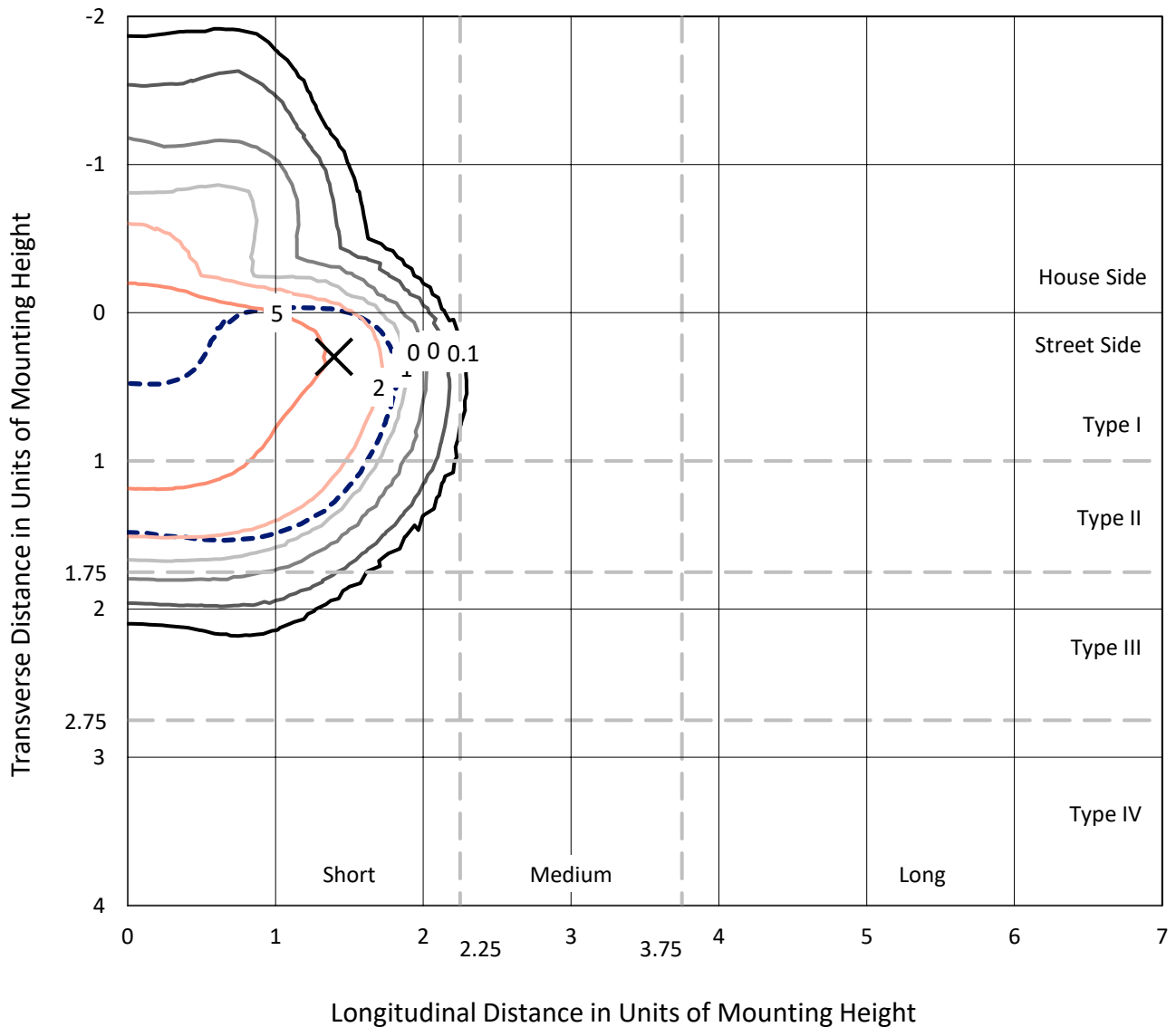
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

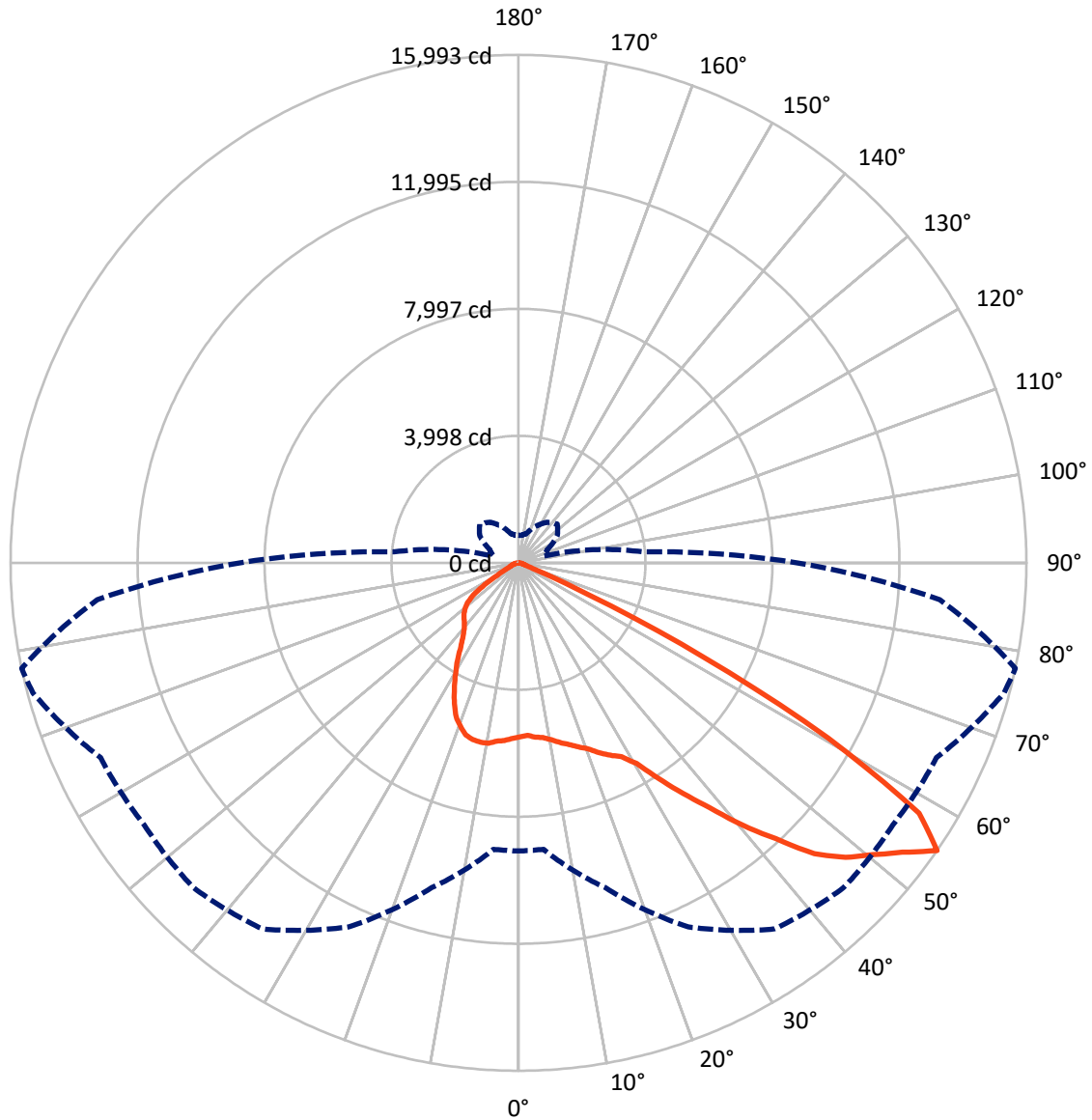
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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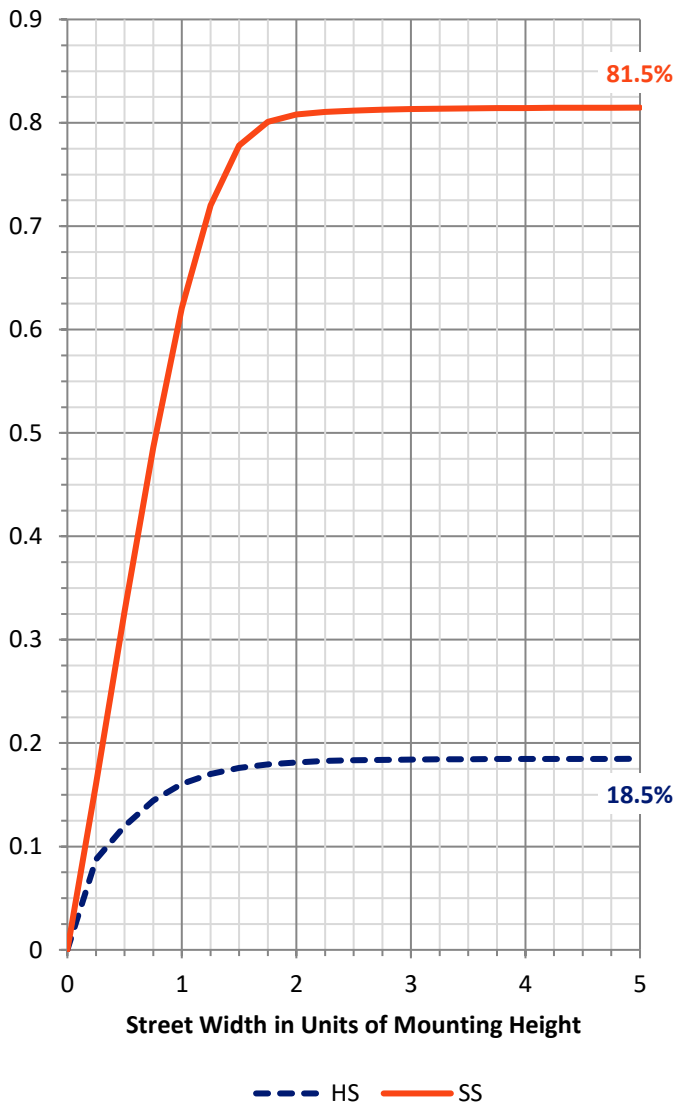
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3960.6	0.0	3960.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	17362.9	0.0	17362.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	21323.6	0.0	21323.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.8	2.3
10°-20°	1293.7	6.1
20°-30°	2267.7	10.6
30°-40°	3739.1	17.5
40°-50°	5440.9	25.5
50°-60°	6165.1	28.9
60°-70°	1762.7	8.3
70°-80°	136.9	0.6
80°-90°	28.5	0.1
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°	21323.6	100.0
0°-180°	21323.6	100.0



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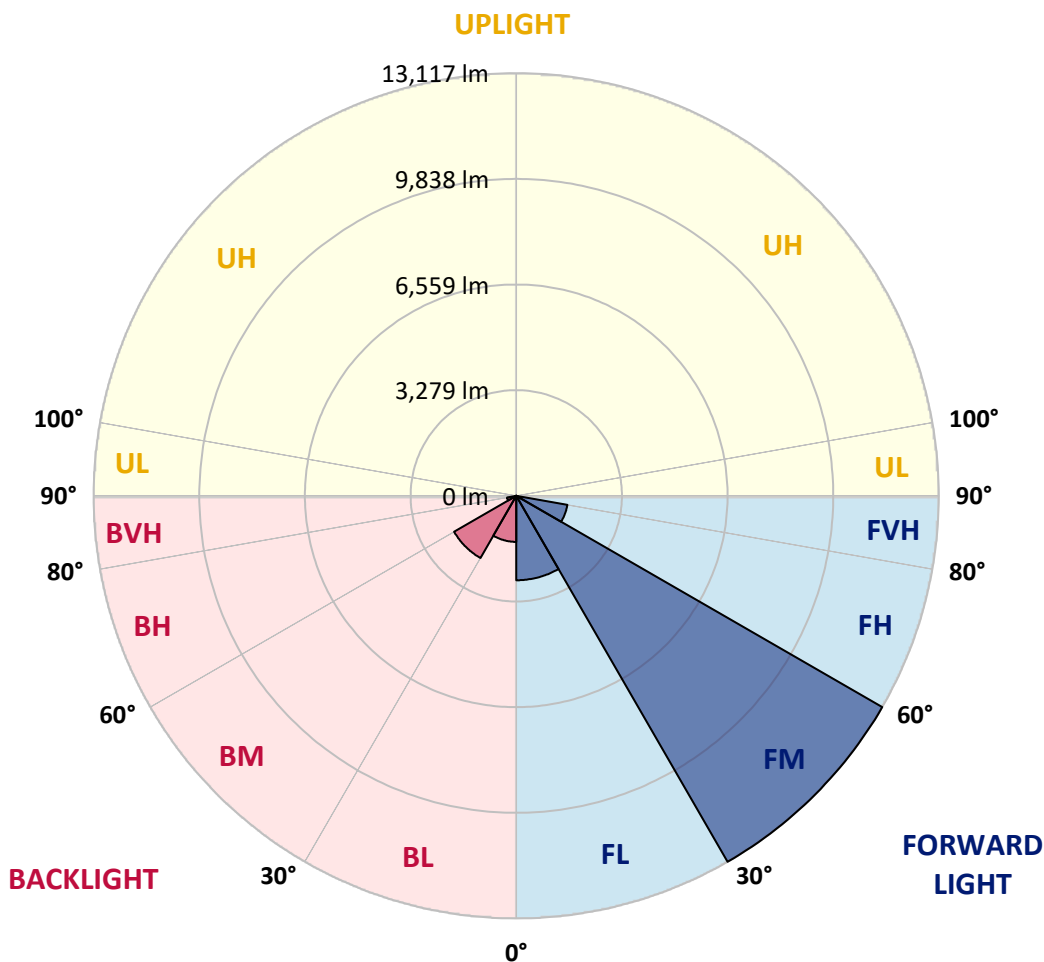
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2621.3	12.3			
FM (30°-60°)	13117.3	61.5			
FH (60°-80°)	1610.5	7.6			G1/1800
FVH (80°-90°)	13.9	0.1			G1/100
BL (0°-30°)	1429.0	6.7	B3/2500		
BM (30°-60°)	2227.9	10.4	B2/2500		
BH (60°-80°)	289.1	1.4	B1/500		G1/500
BVH (80°-90°)	14.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3
2.5°	5154.4	5204.0	5211.6	5272.6	5268.8	5371.7	5402.2	5406.0	5474.7	5440.3	5528.1
5°	5009.6	4982.8	4971.4	5078.2	5108.7	5200.2	5276.4	5322.2	5463.2	5512.8	5604.3
7.5°	4879.9	4879.9	4887.6	4982.8	4971.4	5089.6	5169.7	5310.7	5516.6	5558.6	5669.1
10°	4754.1	4708.3	4765.5	4864.7	4948.5	5001.9	5169.7	5303.1	5543.3	5665.3	5817.8
12.5°	4689.3	4712.2	4719.8	4792.3	4883.8	5043.9	5135.4	5356.5	5733.9	5806.3	5970.3
15°	5097.2	5051.5	4941.0	4876.1	4952.4	5028.6	5257.3	5482.3	5833.0	5935.9	6118.9
17.5°	5569.9	5531.8	5440.3	5265.0	5093.4	5234.5	5413.7	5619.6	5939.8	6092.3	6363.0
20°	6187.6	6126.6	6035.1	5692.0	5543.3	5390.8	5581.4	5825.4	6115.2	6252.4	6530.7
22.5°	6923.4	6923.4	6717.6	6301.9	5993.1	5848.3	5928.4	6069.4	6309.6	6496.4	6770.9
25°	7689.7	7666.8	7480.0	7049.2	6526.9	6355.4	6446.9	6546.0	6610.8	6713.7	6896.7
27.5°	8566.6	8433.1	8196.7	7720.2	7258.9	6927.2	7026.3	6938.7	6858.6	6911.9	7175.0
30°	9161.3	9245.2	8944.0	8486.5	8051.9	7682.1	7701.1	7624.9	7258.9	7335.1	7491.5
32.5°	9778.9	9832.3	9664.5	9412.9	8978.3	8547.5	8391.2	8326.4	8051.9	8086.2	7933.7
35°	10293.6	10396.5	10247.8	10137.3	10011.5	9664.5	9233.8	9443.4	9001.2	8917.3	8520.8
37.5°	10766.3	10735.9	10911.2	10796.8	10770.2	10526.1	10053.4	10095.4	9798.0	9778.9	9321.4
40°	11189.5	11197.2	11437.3	11490.8	11383.9	10949.3	10263.1	10594.7	10834.9	10857.8	10270.7
42.5°	11540.3	11643.2	11849.1	12279.9	12119.7	11395.4	10480.5	10842.6	11734.7	11875.8	11170.5
45°	11845.2	12055.0	12310.4	12695.5	12604.0	12028.2	11021.8	11353.5	12695.5	13065.3	12016.8
47.5°	11864.3	12138.8	12417.1	12989.0	13103.4	12367.6	11582.3	12161.7	13457.9	13858.3	12634.4
50°	11788.0	11932.9	12489.6	13111.0	13370.2	12920.4	12367.6	12840.3	14197.6	14449.1	12947.1
52.5°	10884.6	10995.1	12112.2	13225.4	13850.6	13545.7	13408.4	13785.8	14952.4	15139.3	13240.6
55°	9073.6	9054.5	10591.0	12649.7	14071.8	14472.0	14388.2	14521.6	15825.4	15993.2	13313.0
57.5°	6206.7	6553.6	7880.3	10533.8	12718.4	14254.7	14342.4	14121.3	14807.6	14872.3	11605.1
60°	3347.3	3492.2	4559.6	7030.2	9683.6	11616.6	11845.2	11445.0	11391.6	11208.6	8284.4
62.5°	1330.5	1403.0	2009.1	3480.7	5276.4	7060.6	7552.4	7388.5	7037.7	6557.4	4289.0
65°	632.9	678.6	998.9	1627.9	2340.8	2943.2	3435.0	3587.5	2645.9	2382.8	1414.4
67.5°	430.8	465.2	728.1	930.2	834.9	873.0	1136.1	1056.0	621.4	529.9	392.7
70°	327.9	350.8	583.3	632.9	373.7	263.1	293.6	274.5	255.4	259.3	255.4
72.5°	232.5	251.6	427.0	373.7	163.9	122.0	156.3	186.8	186.8	186.8	183.0
75°	141.0	160.1	247.8	144.9	64.8	64.8	99.2	125.8	133.5	137.3	129.6
77.5°	72.4	91.5	83.8	42.0	42.0	49.5	72.4	87.7	95.3	95.3	91.5
80°	15.2	15.2	15.2	22.9	42.0	53.4	72.4	80.1	91.5	91.5	83.8
82.5°	0.0	3.8	11.4	22.9	38.1	49.5	68.6	80.1	91.5	95.3	87.7
85°	0.0	3.8	7.7	15.2	26.7	30.5	26.7	22.9	22.9	22.9	22.9
87.5°	0.0	0.0	3.8	3.8	3.8	7.7	7.7	7.7	7.7	7.7	7.7
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°	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3	5482.3
2.5°	5535.7	5547.2	5528.1	5524.3	5509.0	5554.7	5444.2	5417.5	5486.1	5421.3	5436.6
5°	5608.1	5634.8	5600.5	5543.3	5459.4	5329.8	5219.2	5074.3	5005.7	4956.2	4948.5
7.5°	5661.4	5680.5	5646.2	5463.2	5211.6	4883.8	4639.7	4460.6	4319.5	4277.6	4209.0
10°	5878.8	5882.6	5711.1	5307.0	4815.1	4384.3	4010.7	3736.2	3595.1	3507.5	3469.3
12.5°	6023.7	6016.0	5669.1	4998.1	4342.3	3770.5	3343.5	3011.9	2882.2	2840.3	2813.6
15°	6206.7	6164.7	5569.9	4681.7	3732.4	3114.7	2729.7	2501.0	2489.5	2462.9	2489.5
17.5°	6351.6	6233.3	5425.1	4106.0	3149.0	2565.8	2314.2	2329.4	2359.9	2386.6	2390.4
20°	6587.9	6343.9	5093.4	3602.8	2607.7	2199.8	2195.9	2264.6	2340.8	2371.4	2401.8
22.5°	6767.1	6389.7	4738.9	3065.2	2165.5	2051.1	2115.9	2218.8	2276.0	2306.5	2352.3
25°	6831.9	6263.9	4266.1	2527.6	1952.0	1982.5	2081.6	2150.2	2222.7	2257.0	2237.9
27.5°	6896.7	6199.0	3701.9	2081.6	1837.6	1936.7	2020.6	2089.2	2112.1	2157.8	2188.4
30°	7053.0	5974.1	3194.8	1799.5	1780.4	1906.2	1967.2	1990.1	2051.1	2077.8	2077.8
32.5°	7178.9	5886.4	2657.3	1666.0	1772.8	1921.4	1929.1	1929.1	1936.7	1917.6	1910.0
35°	7438.1	5585.2	2176.9	1586.0	1769.0	1925.3	1944.3	1879.6	1704.2	1635.6	1616.5
37.5°	7758.3	5390.8	1822.4	1567.0	1795.7	1971.1	2001.5	1757.5	1528.8	1418.3	1399.2
40°	8147.2	5253.6	1589.8	1559.3	1856.7	2077.8	1986.3	1662.2	1364.9	1204.7	1197.1
42.5°	8600.9	5127.7	1433.5	1555.5	1932.9	2188.4	1971.1	1582.2	1197.1	1090.4	1105.6
45°	8963.0	5059.1	1326.8	1528.8	1959.6	2253.1	1982.5	1441.1	1128.5	1059.8	1067.5
47.5°	9245.2	4914.2	1239.0	1483.0	1955.7	2276.0	1879.6	1383.9	1094.1	1113.2	1132.3
50°	9252.9	4719.8	1128.5	1383.9	1898.6	2234.1	1761.4	1330.5	1086.6	1166.6	1204.7
52.5°	9149.9	4445.3	1010.3	1242.8	1765.2	2089.2	1654.6	1307.7	1052.3	1044.6	1090.4
55°	8783.9	3930.7	812.1	1006.5	1490.7	1723.2	1559.3	1265.7	949.3	861.6	869.3
57.5°	7098.8	2817.4	598.5	720.6	1056.0	1261.9	1406.8	1246.7	854.0	732.0	735.8
60°	4395.7	1597.4	438.4	491.8	651.9	766.3	1139.9	1159.0	762.5	617.6	610.0
62.5°	2257.0	789.2	339.3	346.9	400.3	449.9	781.5	972.2	690.0	587.1	587.1
65°	754.9	388.9	297.4	266.8	266.8	278.3	472.7	674.8	583.3	491.8	491.8
67.5°	324.0	289.7	259.3	232.5	213.5	202.1	266.8	392.7	434.6	373.7	358.4
70°	251.6	244.0	225.0	194.4	167.8	152.5	156.3	202.1	247.8	240.2	232.5
72.5°	186.8	186.8	179.2	152.5	129.6	110.6	102.9	106.7	118.2	122.0	125.8
75°	129.6	133.5	133.5	118.2	95.3	80.1	68.6	57.2	45.8	38.1	34.3
77.5°	87.7	91.5	99.2	87.7	72.4	53.4	42.0	30.5	19.1	7.7	7.7
80°	76.3	87.7	95.3	87.7	76.3	57.2	42.0	22.9	11.4	0.0	0.0
82.5°	80.1	87.7	99.2	83.8	72.4	53.4	42.0	26.7	11.4	3.8	0.0
85°	19.1	19.1	22.9	26.7	34.3	38.1	30.5	19.1	11.4	3.8	0.0
87.5°	7.7	7.7	7.7	7.7	7.7	3.8	3.8	3.8	3.8	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)