

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: P533962

Luminaire Tested: **GLAN-SA9B-830-U-T2R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA9B-830-U-T2R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36021 lumens  
Efficiency: N/A  
Efficacy: 99.0 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

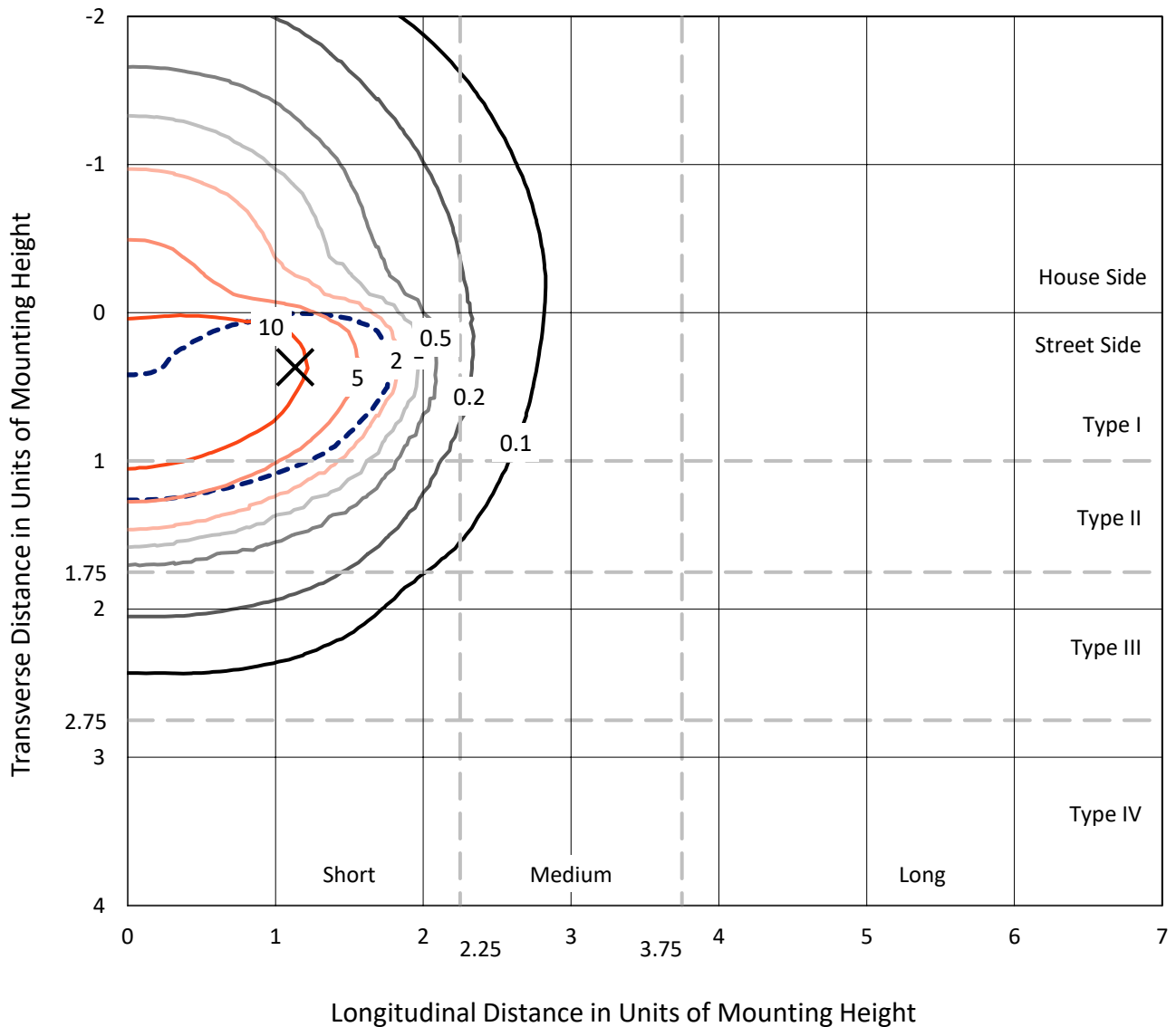
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

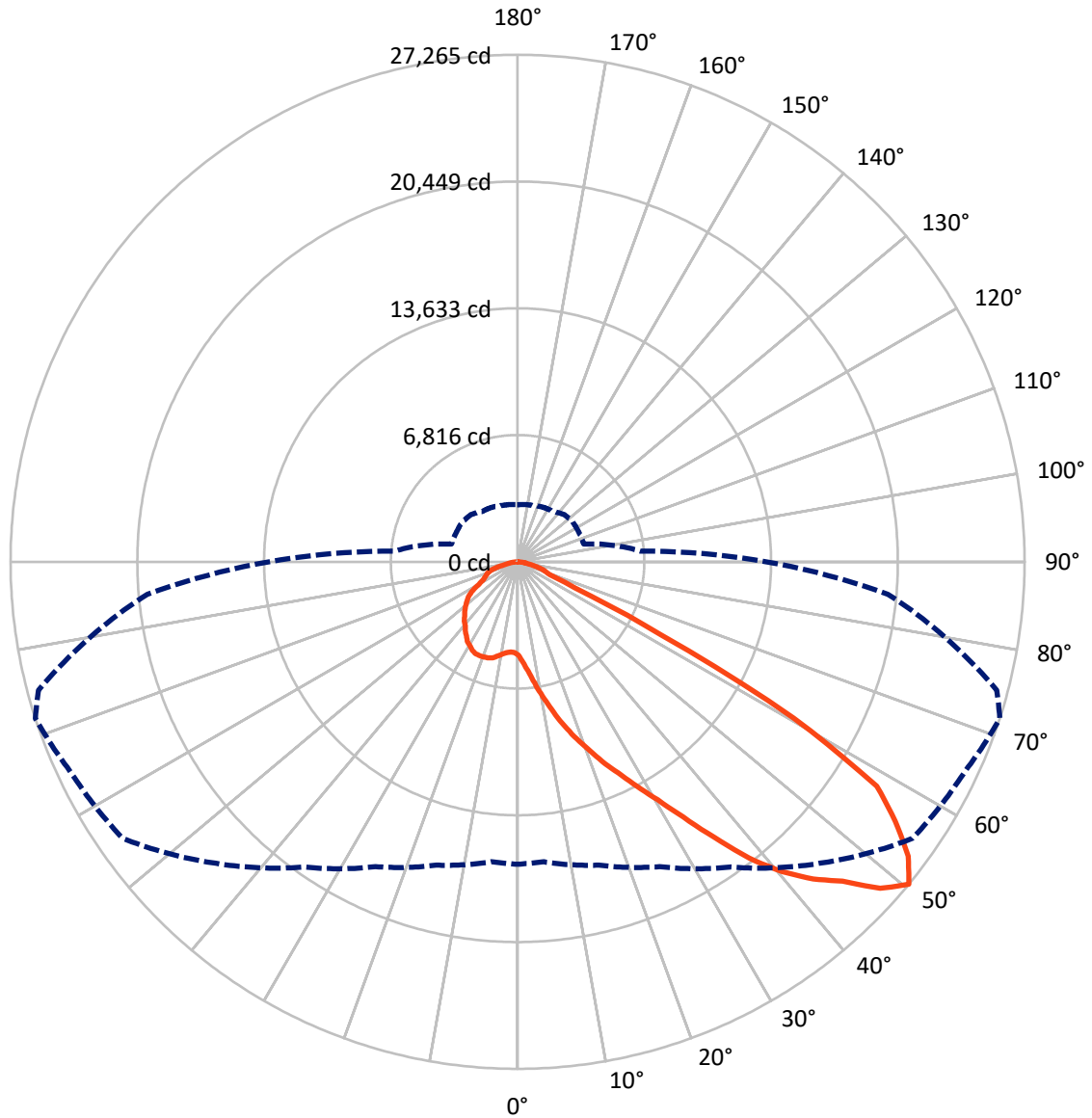
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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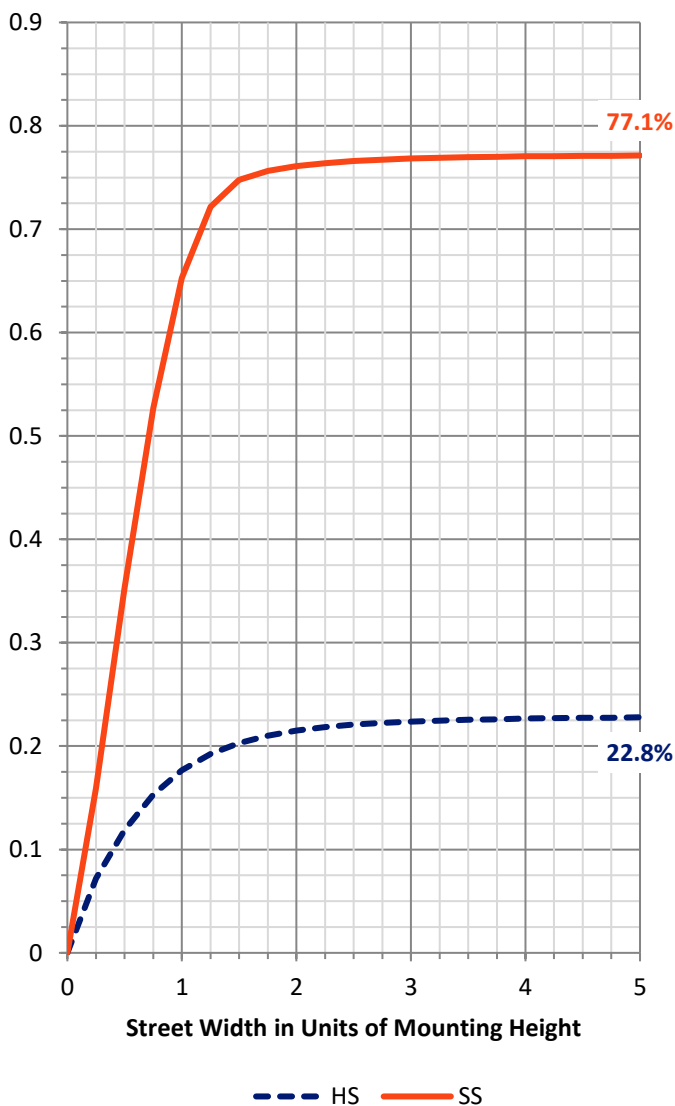
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8252.6	0.0	8252.6
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	27768.4	0.0	27768.4
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	36021.0	0.0	36021.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	589.8	1.6
10°-20°	2205.0	6.1
20°-30°	4275.3	11.9
30°-40°	7082.6	19.7
40°-50°	9910.1	27.5
50°-60°	8360.5	23.2
60°-70°	2548.3	7.1
70°-80°	894.0	2.5
80°-90°	155.4	0.4
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°	36021.0	100.0
0°-180°	36021.0	100.0

**Coefficient of Utilization**



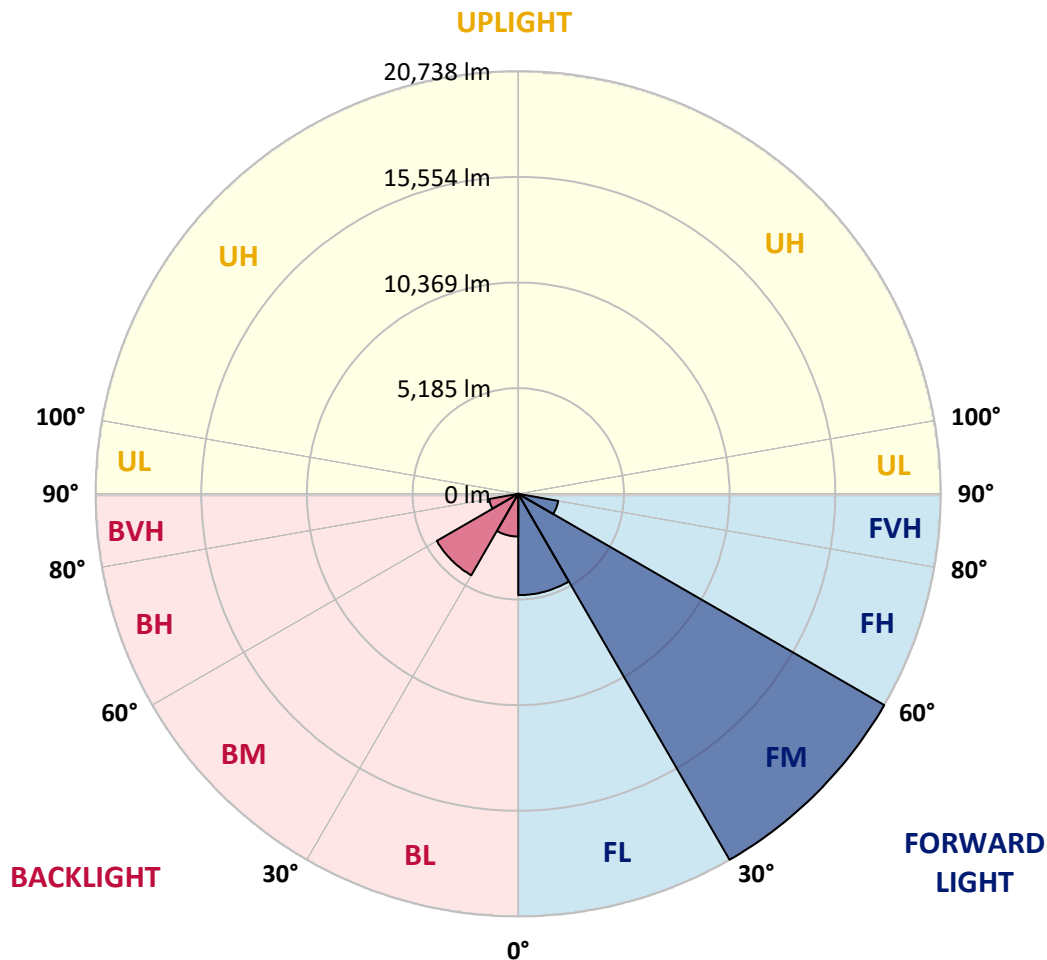
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4972.2	13.8			
FM (30°-60°)	20738.3	57.6			
FH (60°-80°)	1988.3	5.5			G2/5000
FVH (80°-90°)	69.6	0.2			G1/100
BL (0°-30°)	2097.9	5.8	B3/2500		
BM (30°-60°)	4615.0	12.8	B3/5000		
BH (60°-80°)	1454.0	4.0	B3/2500		G3/2500
BVH (80°-90°)	85.8	0.2			G1/100
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°	72°	75°	85°
0°	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4
2.5°	6449.7	6409.6	6289.2	6249.1	6106.5	5847.9	5758.8	5495.8	5384.4	5281.9	5161.5
5°	8156.8	7969.6	7956.2	7728.9	7399.1	7207.4	6636.9	6253.6	5901.4	5723.1	5393.3
7.5°	9244.4	9248.8	9248.8	9061.6	8798.7	8312.8	7800.2	7109.3	6578.9	6316.0	5754.3
10°	10278.5	10189.3	10140.3	10122.5	9944.2	9471.7	8923.5	8067.7	7341.1	7033.6	6026.2
12.5°	11009.5	10933.7	11045.1	10987.2	10857.9	10550.4	10033.3	9057.2	8147.9	7733.4	6463.0
15°	11357.1	11410.6	11499.8	11660.2	11602.3	11486.4	10915.9	10073.4	9017.1	8549.0	6850.8
17.5°	11892.0	11744.9	11851.9	12052.5	12212.9	12159.4	11834.1	10808.9	9877.3	9302.3	7372.3
20°	12266.4	12181.7	12235.2	12467.0	12587.3	12890.4	12721.1	11771.7	10701.9	10095.7	7987.4
22.5°	13336.2	13211.4	13037.5	13073.2	13117.7	13331.7	13371.8	12828.0	11660.2	11018.4	8571.3
25°	14655.5	14539.6	14334.6	14125.1	13995.8	13955.7	14093.9	13657.1	12578.4	11914.3	9199.8
27.5°	16108.6	15912.5	15783.2	15350.8	15003.2	14949.7	14882.8	14646.6	13666.0	12948.4	9908.5
30°	17521.5	17365.5	17191.7	16500.8	16139.8	16081.8	15752.0	15818.9	14847.2	14049.3	10710.8
32.5°	18591.3	18604.7	18208.0	17686.5	17347.7	17040.1	16919.8	17111.5	16362.6	15720.8	11606.7
35°	19456.0	19496.1	19117.2	18644.8	18279.3	18493.2	18439.7	18528.9	18172.3	17387.8	12649.7
37.5°	20298.4	20097.8	19692.2	19464.9	19273.2	19625.4	20080.0	20155.8	20222.6	19300.0	13862.1
40°	20436.6	20454.4	20218.2	20378.6	20138.0	20668.4	21724.7	21626.7	21898.6	21091.8	15177.0
42.5°	20240.5	20280.6	20374.2	20601.5	21181.0	21818.3	23387.3	22986.1	23316.0	22598.4	16456.2
45°	19919.5	19754.6	19870.5	20735.2	21738.1	23155.5	24907.2	24595.2	24488.2	23886.5	17980.6
47.5°	18386.2	18555.6	18916.7	19981.9	21488.5	23387.3	25985.9	25914.6	26235.5	25812.1	19366.8
50°	16260.1	16193.3	16888.6	18087.6	20031.0	22932.7	25927.9	26574.3	27265.1	26676.8	19986.4
52.5°	12177.3	12533.8	13131.1	14619.9	17392.3	20454.4	24662.1	25740.7	26302.4	26177.6	19487.2
55°	7697.7	7804.7	8165.7	9935.3	12431.3	16416.1	21140.8	23641.4	24644.3	25112.3	19028.1
57.5°	3739.7	3539.1	3980.3	5402.2	7180.7	11040.7	16304.7	20592.6	22772.2	23619.1	18029.7
60°	1952.3	2028.1	2201.9	2710.0	3712.9	5732.1	10162.6	13723.9	17053.5	18355.0	13666.0
62.5°	1618.0	1644.7	1760.6	2014.7	2469.3	3298.4	5188.3	6690.4	8696.1	9868.4	7773.5
65°	1372.8	1386.2	1511.0	1680.4	1970.1	2322.2	2669.9	2794.7	3383.1	3472.2	2763.5
67.5°	1145.5	1158.9	1292.6	1453.1	1640.3	1733.9	1823.0	1814.1	1881.0	1854.2	1849.8
70°	882.5	895.9	1034.1	1203.5	1297.1	1243.6	1519.9	1582.3	1609.1	1631.4	1667.0
72.5°	637.4	664.1	771.1	891.5	842.4	967.2	1252.5	1346.1	1381.8	1395.1	1439.7
75°	463.6	472.5	499.2	463.6	534.9	673.0	882.5	998.4	1043.0	1056.4	1123.2
77.5°	205.0	209.5	213.9	267.4	343.2	419.0	526.0	619.6	682.0	699.8	717.6
80°	107.0	111.4	138.2	182.7	245.1	307.6	383.3	436.8	476.9	481.4	499.2
82.5°	66.9	71.3	98.1	129.3	173.8	227.3	280.8	325.4	356.6	361.0	365.5
85°	31.2	40.1	57.9	80.2	115.9	147.1	151.5	129.3	138.2	142.6	133.7
87.5°	8.9	13.4	17.8	13.4	17.8	17.8	22.3	26.7	26.7	26.7	31.2
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°	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4	5014.4
2.5°	5094.7	5054.5	4898.5	4840.6	4689.0	4715.8	4635.6	4631.1	4613.3	4608.8	4604.4
5°	5219.5	5094.7	4907.5	4764.8	4680.1	4671.2	4613.3	4613.3	4631.1	4644.5	4613.3
7.5°	5424.5	5281.9	4965.4	4831.7	4755.9	4742.5	4702.4	4671.2	4711.3	4698.0	4662.3
10°	5660.7	5411.1	5076.8	4960.9	4836.1	4804.9	4804.9	4818.3	4751.5	4773.7	4738.1
12.5°	5923.7	5589.4	5219.5	5085.7	4938.7	4920.8	4911.9	4813.9	4849.5	4831.7	4742.5
15°	6258.0	5794.5	5402.2	5174.9	5050.1	4969.9	4854.0	4836.1	4813.9	4769.3	4729.2
17.5°	6619.0	6017.3	5486.9	5201.6	5014.4	4956.5	4867.3	4773.7	4706.9	4715.8	4684.6
20°	6926.6	6222.4	5518.1	5228.4	4987.7	4876.3	4738.1	4680.1	4608.8	4604.4	4599.9
22.5°	7292.1	6498.7	5562.7	5157.1	4907.5	4791.6	4698.0	4595.4	4546.4	4484.0	4515.2
25°	7728.9	6605.7	5571.6	5116.9	4849.5	4644.5	4595.4	4484.0	4466.2	4377.0	4394.9
27.5°	8045.4	6663.6	5500.3	4992.1	4715.8	4559.8	4470.6	4390.4	4359.2	4292.4	4274.5
30°	8468.8	6752.8	5348.7	4836.1	4582.1	4408.2	4354.8	4336.9	4247.8	4176.5	4167.5
32.5°	8950.2	6810.7	5250.7	4675.7	4443.9	4310.2	4336.9	4252.2	4140.8	4078.4	4060.6
35°	9333.5	6833.0	5005.5	4492.9	4350.3	4265.6	4234.4	4216.6	4056.1	3998.2	3953.6
37.5°	9917.4	6784.0	4800.5	4363.7	4247.8	4216.6	4189.8	4069.5	3886.7	3802.1	3739.7
40°	10599.4	6770.6	4537.5	4180.9	4149.7	4185.4	4105.1	3917.9	3663.9	3570.3	3525.7
42.5°	11254.6	6864.2	4372.6	4082.9	4042.7	4056.1	3944.7	3663.9	3539.1	3485.6	3414.3
45°	12351.1	7060.3	4100.7	3931.3	3913.5	3904.6	3770.9	3476.7	3405.4	3338.5	3325.1
47.5°	13340.6	6931.1	3926.9	3775.3	3793.1	3744.1	3458.8	3365.2	3285.0	3218.1	3195.9
50°	13398.6	6623.5	3681.7	3655.0	3659.4	3574.7	3302.8	3240.4	3137.9	3093.3	3062.1
52.5°	13095.5	6119.8	3454.4	3463.3	3476.7	3338.5	3111.2	3066.6	2981.9	2919.5	2901.7
55°	12244.1	5335.4	3231.5	3267.2	3302.8	3039.9	2968.5	2857.1	2790.3	2701.1	2705.6
57.5°	10786.6	4296.8	2919.5	2977.5	3053.2	2763.5	2710.0	2571.8	2473.8	2402.5	2393.6
60°	7229.7	3057.7	2451.5	2473.8	2643.2	2527.3	2522.8	2384.6	2250.9	2188.5	2152.9
62.5°	4265.6	2335.6	2117.2	2094.9	2090.5	2157.3	2268.8	2219.7	2045.9	1925.5	1961.2
65°	2233.1	2019.1	1970.1	1894.3	1849.8	1831.9	1916.6	1938.9	1823.0	1693.8	1684.8
67.5°	1876.5	1876.5	1836.4	1809.7	1747.3	1671.5	1618.0	1546.7	1528.8	1493.2	1448.6
70°	1707.1	1751.7	1738.3	1675.9	1622.4	1537.8	1399.6	1283.7	1172.3	1132.1	1158.9
72.5°	1488.7	1533.3	1533.3	1502.1	1430.8	1301.5	1167.8	1034.1	940.5	869.2	860.3
75°	1145.5	1167.8	1221.3	1185.6	1092.0	1011.8	873.6	735.4	646.3	579.4	566.1
77.5°	731.0	766.7	766.7	762.2	695.3	619.6	530.4	432.4	365.5	316.5	303.1
80°	485.8	508.1	526.0	508.1	463.6	405.6	338.8	271.9	222.9	182.7	173.8
82.5°	356.6	383.3	396.7	378.9	334.3	289.7	240.7	191.7	142.6	111.4	102.5
85°	138.2	142.6	160.5	191.7	187.2	182.7	147.1	107.0	80.2	57.9	53.5
87.5°	35.7	31.2	35.7	35.7	31.2	26.7	26.7	26.7	26.7	13.4	17.8
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)