

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: P531374

Luminaire Tested: **GLAN-SA6C-830-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-830-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29894 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

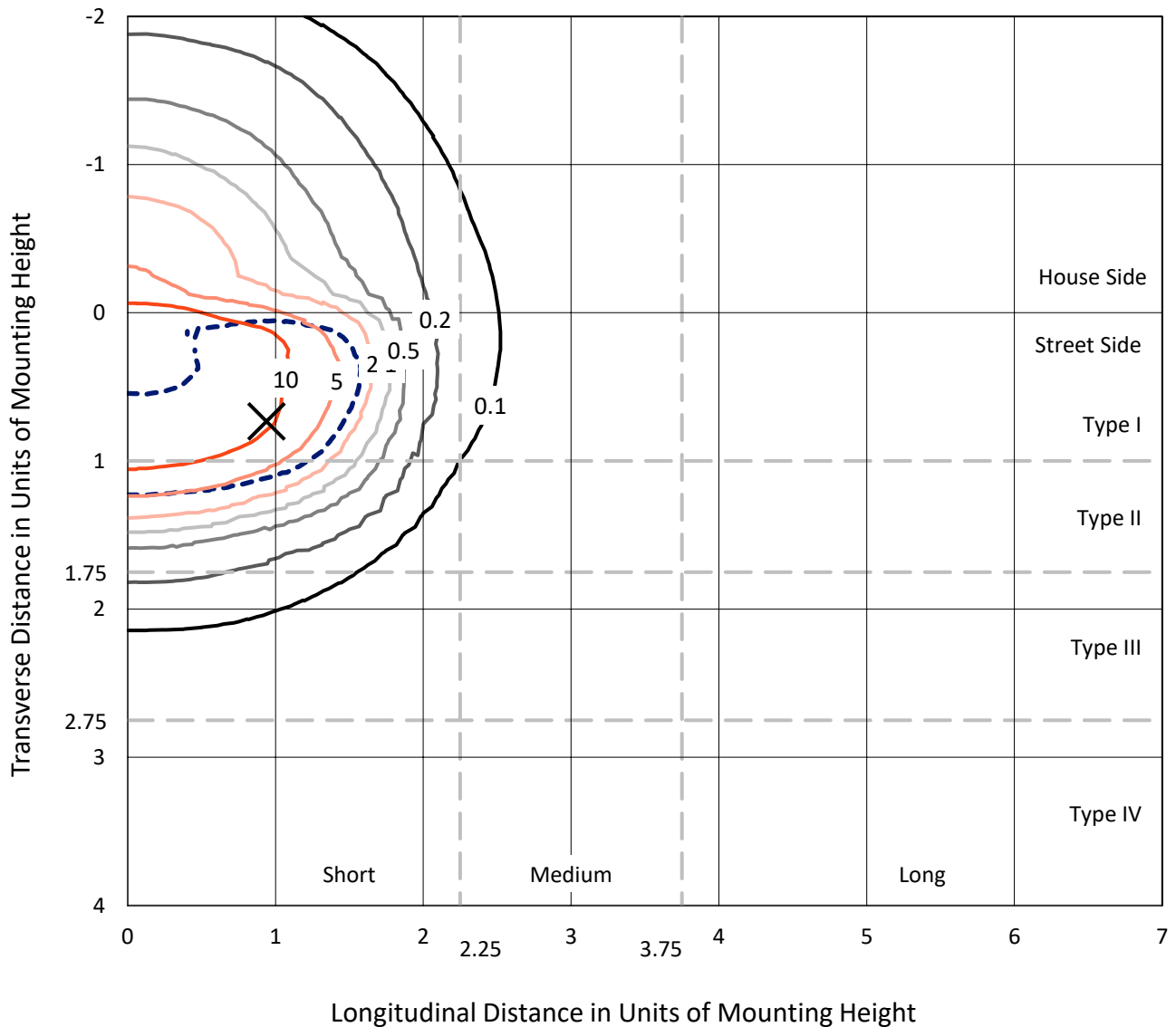
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

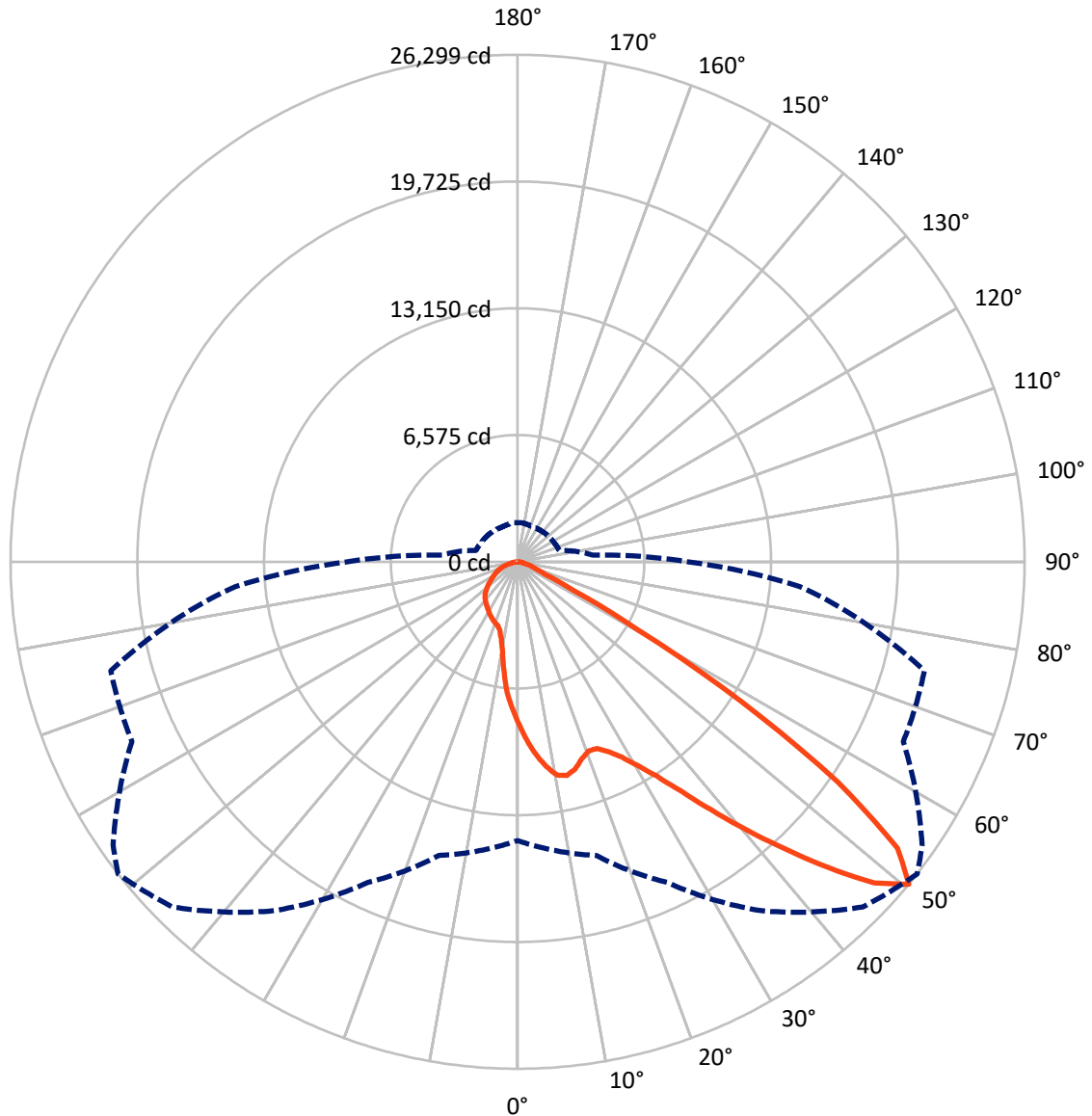
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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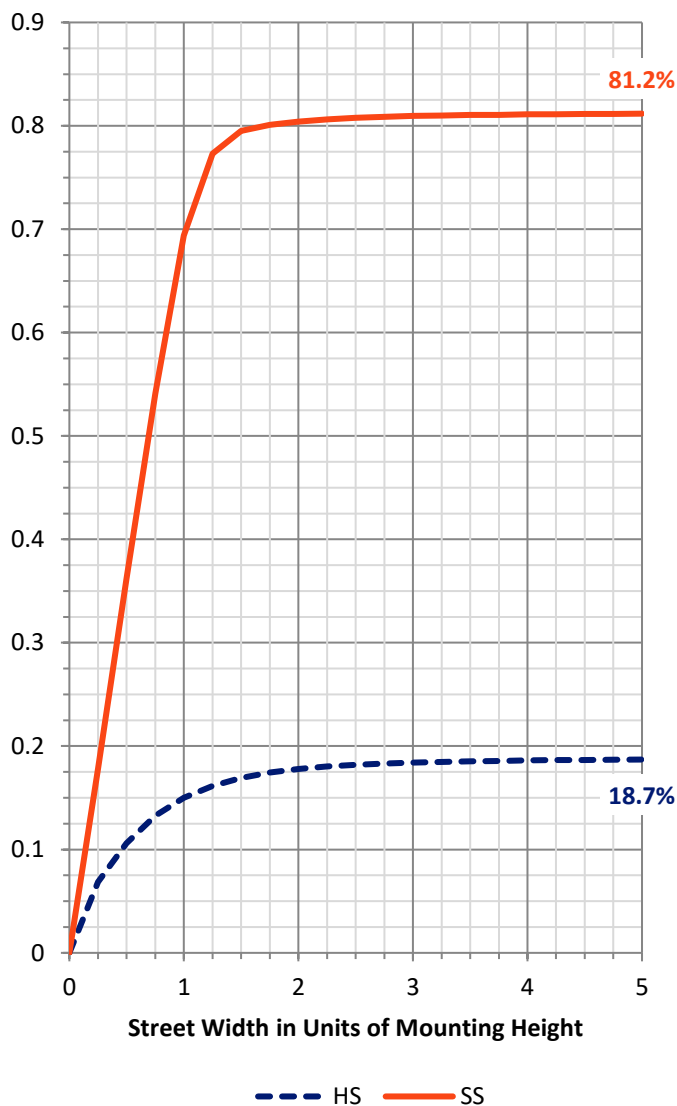
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5619.4	0.0	5619.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	24274.6	0.0	24274.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	29894.0	0.0	29894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.7	2.6
10°-20°	2081.7	7.0
20°-30°	3506.5	11.7
30°-40°	5884.3	19.7
40°-50°	9001.5	30.1
50°-60°	6562.8	22.0
60°-70°	1460.5	4.9
70°-80°	526.8	1.8
80°-90°	93.2	0.3
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°	29894.0	100.0
0°-180°	29894.0	100.0

Coefficient of Utilization

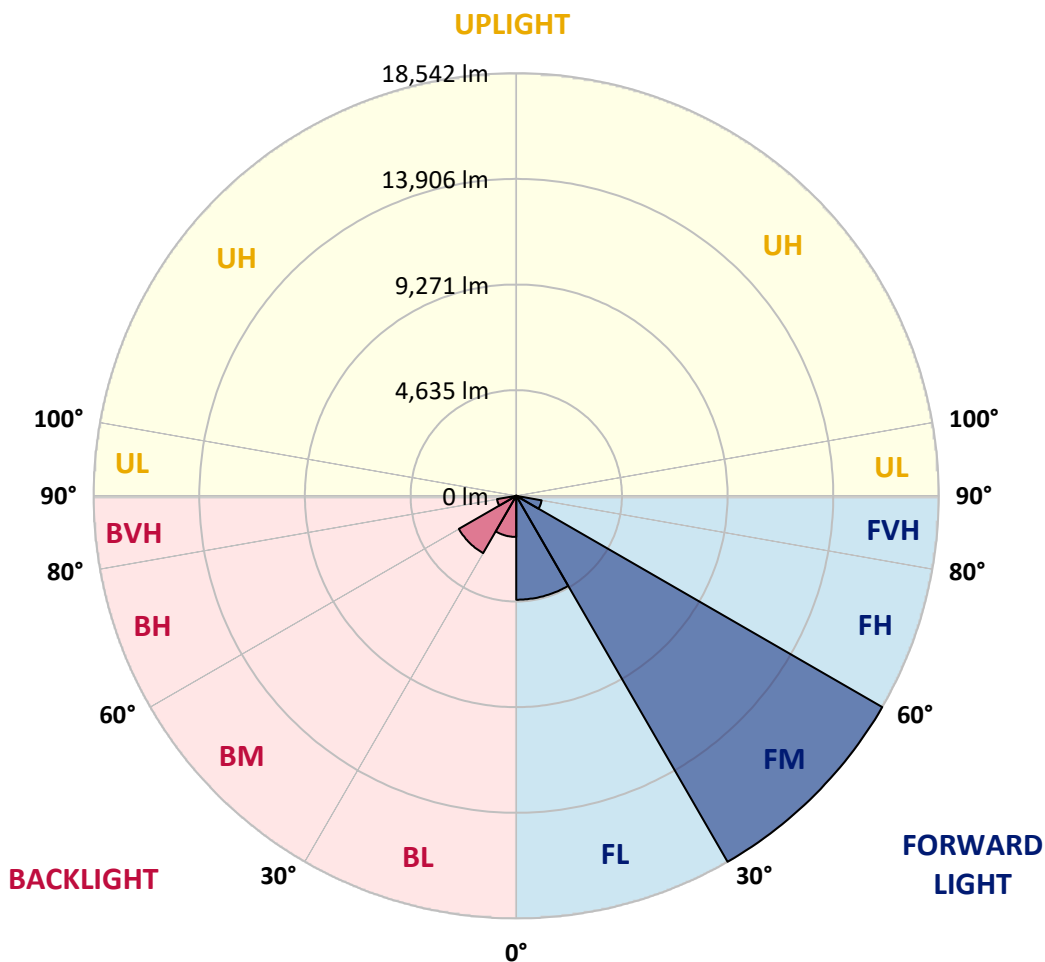


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4559.9	15.3			
FM (30°-60°)	18541.8	62.0			
FH (60°-80°)	1131.2	3.8			G1/1800
FVH (80°-90°)	41.8	0.1			G1/100
BL (0°-30°)	1805.1	6.0	B3/2500		
BM (30°-60°)	2906.7	9.7	B3/5000		
BH (60°-80°)	856.1	2.9	B2/1000		G2/1000
BVH (80°-90°)	51.5	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6
2.5°	9921.7	9730.8	9752.4	9615.5	9467.8	9424.6	9273.2	9129.1	9021.1	8790.5	8577.9
5°	10844.0	10786.4	10699.9	10591.8	10480.1	10206.3	10051.4	9871.3	9475.0	9118.3	8765.3
7.5°	10977.3	10966.5	11013.3	11013.3	11053.0	10948.5	10728.7	10602.6	10181.1	9601.1	8945.4
10°	10040.6	10073.0	10300.0	10595.4	11006.1	11290.7	11254.7	11222.3	10761.1	9968.6	9158.0
12.5°	9294.9	9222.8	9356.1	9608.3	10224.4	10912.5	11377.2	11380.8	11261.9	10555.8	9312.9
15°	8873.4	8923.8	8959.8	9078.7	9543.4	10339.6	11157.4	11398.8	11921.2	10970.1	9557.9
17.5°	9143.6	8974.2	8967.0	8995.8	9233.6	9831.7	10750.3	11164.6	12281.5	11503.3	9860.5
20°	9496.6	9493.0	9392.1	9356.1	9352.5	9885.7	10483.7	11045.8	12472.4	12195.0	10166.7
22.5°	10116.3	10116.3	9950.5	9871.3	9702.0	10137.9	10519.8	10901.7	12789.4	12670.6	10314.4
25°	11153.8	10984.5	10699.9	10505.4	10408.1	10563.0	10901.7	11243.9	13066.8	13174.9	10620.6
27.5°	12112.1	11845.5	11705.0	11370.0	11240.3	11150.2	11460.1	11805.9	13391.1	13960.3	10786.4
30°	13200.1	13153.3	12901.1	12468.8	12148.2	11982.4	12267.1	12609.3	13985.5	14763.7	11168.2
32.5°	15145.6	14720.5	14378.2	13848.6	13326.2	12973.2	13254.2	13481.2	14972.7	15603.1	11586.2
35°	17245.9	17109.0	16518.2	15563.5	14763.7	14446.7	14612.4	14781.7	16121.9	16885.7	12288.7
37.5°	19310.3	19122.9	18636.6	17833.2	16860.5	16215.6	16334.5	16532.6	17411.7	18614.9	13146.1
40°	20794.6	20564.0	20319.0	20200.1	19234.6	18352.0	18283.5	18333.9	19155.3	20236.1	14097.2
42.5°	20902.6	21187.2	21262.9	21742.1	21515.1	20791.0	20369.4	20380.3	20819.8	21839.3	15059.1
45°	20675.7	20412.7	20971.1	22278.9	23028.2	23366.9	22657.1	22567.1	21850.1	22768.8	15538.3
47.5°	18294.3	18366.4	19310.3	21378.2	23543.4	25056.5	24890.8	24591.8	22401.3	22736.4	15462.6
50°	14461.1	14897.0	15772.4	18348.4	22102.3	25323.1	26299.4	25607.7	22073.5	21842.9	14691.6
52.5°	9629.9	9810.0	10386.5	13711.7	17771.9	22635.5	24678.2	24836.7	21770.9	20672.1	13715.3
55°	4287.2	4272.8	5083.4	7162.1	11150.2	17224.3	20164.1	21129.6	20607.2	19479.6	12764.2
57.5°	1815.7	1877.0	2208.4	3094.7	5483.2	10393.7	13661.3	14507.9	15848.1	15995.8	9792.0
60°	1228.5	1235.7	1325.8	1549.1	2294.9	4881.6	7165.7	8181.6	9139.9	9075.1	5195.0
62.5°	965.5	990.7	1059.2	1149.2	1361.8	2215.6	3206.4	3772.0	3833.2	3224.4	1970.7
65°	825.0	828.6	897.1	972.7	1066.4	1289.8	1545.5	1574.4	1592.4	1534.7	1448.3
67.5°	680.9	688.1	742.1	828.6	915.1	987.1	1059.2	1095.2	1178.1	1340.2	1318.6
70°	540.4	551.2	598.0	670.1	749.4	792.6	882.7	915.1	990.7	1116.8	1167.3
72.5°	410.7	414.3	453.9	504.4	576.4	619.7	695.3	731.3	781.8	889.9	936.7
75°	295.4	306.2	335.0	360.3	371.1	399.9	471.9	511.6	583.6	630.5	634.1
77.5°	154.9	162.1	169.3	169.3	205.4	259.4	306.2	327.8	378.3	414.3	396.3
80°	61.2	64.8	82.9	111.7	144.1	187.3	219.8	230.6	273.8	295.4	306.2
82.5°	36.0	39.6	54.0	79.3	104.5	133.3	158.5	169.3	198.1	223.4	230.6
85°	18.0	21.6	32.4	50.4	68.5	82.9	79.3	75.7	75.7	72.1	75.7
87.5°	7.2	7.2	10.8	10.8	10.8	14.4	18.0	18.0	18.0	21.6	21.6
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°	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6	8426.6
2.5°	8437.4	8293.3	8160.0	7915.0	7648.4	7572.8	7263.0	7151.3	7072.0	6978.4	6949.5
5°	8480.7	8289.7	7861.0	7367.4	6974.8	6470.4	6138.9	5782.3	5522.9	5458.0	5440.0
7.5°	8570.7	8242.9	7504.3	6758.6	5955.2	5270.7	4748.3	4467.3	4218.7	4204.3	4179.1
10°	8671.6	8102.4	7115.3	5944.4	4917.6	4283.6	3970.1	3847.6	3786.4	3772.0	3764.8
12.5°	8754.5	8073.6	6679.3	5151.8	4182.7	3800.8	3707.1	3696.3	3721.5	3728.8	3743.2
15°	8790.5	7958.3	6153.3	4442.1	3725.2	3584.6	3624.3	3667.5	3685.5	3732.4	3696.3
17.5°	8858.9	7810.6	5504.9	3880.1	3469.4	3494.6	3563.0	3613.5	3642.3	3674.7	3627.9
20°	8895.0	7677.3	4896.0	3545.0	3379.3	3426.1	3519.8	3559.4	3595.5	3609.9	3555.8
22.5°	8862.5	7403.5	4359.2	3274.8	3292.8	3354.1	3436.9	3480.2	3458.6	3400.9	3368.5
25°	8776.1	7018.0	3800.8	3101.9	3170.3	3278.4	3343.3	3310.8	3271.2	3238.8	3228.0
27.5°	8772.5	6546.0	3397.3	2943.4	3065.9	3213.6	3192.0	3163.1	3181.1	3155.9	3127.1
30°	8790.5	6088.5	3065.9	2853.3	2990.2	3062.3	3087.5	3058.7	3080.3	3033.4	3047.9
32.5°	8696.8	5641.8	2849.7	2748.8	2900.1	2896.5	2979.4	3001.0	2950.6	2853.3	2867.7
35°	8736.5	5281.5	2666.0	2702.0	2799.3	2799.3	2864.1	2838.9	2705.6	2648.0	2662.4
37.5°	9010.3	4928.4	2575.9	2637.1	2702.0	2730.8	2709.2	2601.1	2568.7	2568.7	2575.9
40°	9269.6	4625.8	2521.9	2622.7	2611.9	2629.9	2471.4	2482.2	2482.2	2485.8	2467.8
42.5°	9500.2	4420.5	2478.6	2536.3	2554.3	2460.6	2363.3	2352.5	2377.8	2374.2	2359.7
45°	9583.1	4251.1	2417.4	2439.0	2453.4	2298.5	2251.7	2230.0	2258.9	2269.7	2284.1
47.5°	9266.0	4110.6	2348.9	2305.7	2276.9	2176.0	2114.8	2075.1	2111.2	2172.4	2186.8
50°	8858.9	3926.9	2240.9	2158.0	2096.7	2053.5	2010.3	1970.7	1995.9	2039.1	2028.3
52.5°	8257.3	3638.7	2104.0	2017.5	1913.0	1923.8	1884.2	1862.6	1877.0	1877.0	1866.2
55°	7399.9	2990.2	1873.4	1812.1	1725.7	1754.5	1761.7	1732.9	1704.1	1729.3	1707.7
57.5°	5050.9	2111.2	1671.6	1671.6	1585.2	1624.8	1621.2	1552.7	1484.3	1491.5	1477.1
60°	2921.8	1682.4	1541.9	1527.5	1437.5	1469.9	1477.1	1430.3	1325.8	1333.0	1318.6
62.5°	1660.8	1437.5	1347.4	1325.8	1307.8	1336.6	1336.6	1275.3	1185.3	1192.5	1178.1
65°	1412.2	1333.0	1203.3	1199.7	1192.5	1199.7	1170.9	1106.0	1026.8	994.3	997.9
67.5°	1282.5	1232.1	1106.0	1073.6	1052.0	1048.4	994.3	933.1	897.1	868.2	864.6
70°	1124.0	1084.4	990.7	947.5	925.9	875.4	821.4	781.8	731.3	716.9	731.3
72.5°	889.9	886.3	850.2	803.4	756.6	716.9	670.1	616.1	569.2	558.4	533.2
75°	616.1	623.3	630.5	623.3	583.6	533.2	479.2	435.9	378.3	345.9	338.7
77.5°	403.5	414.3	425.1	410.7	385.5	338.7	302.6	248.6	205.4	180.1	176.5
80°	295.4	309.8	317.0	306.2	277.4	241.4	201.7	158.5	126.1	104.5	104.5
82.5°	227.0	241.4	248.6	230.6	201.7	172.9	144.1	111.7	86.5	68.5	64.8
85°	79.3	75.7	90.1	93.7	111.7	104.5	86.5	64.8	50.4	36.0	32.4
87.5°	21.6	21.6	25.2	25.2	21.6	18.0	18.0	18.0	14.4	10.8	10.8
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)