

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: P317770

Luminaire Tested: **GAN-SA6C-740-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-740-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43253 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

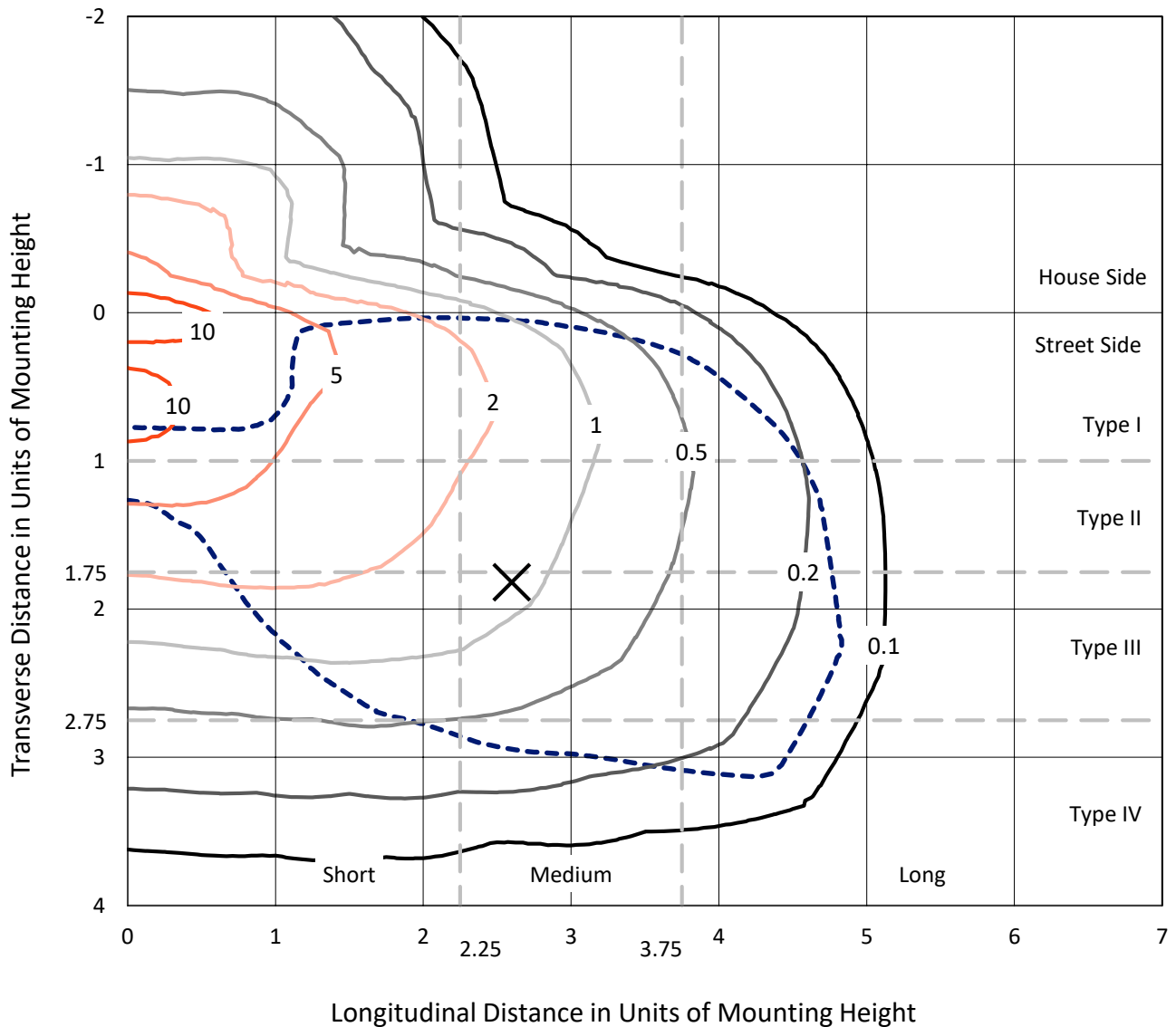
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

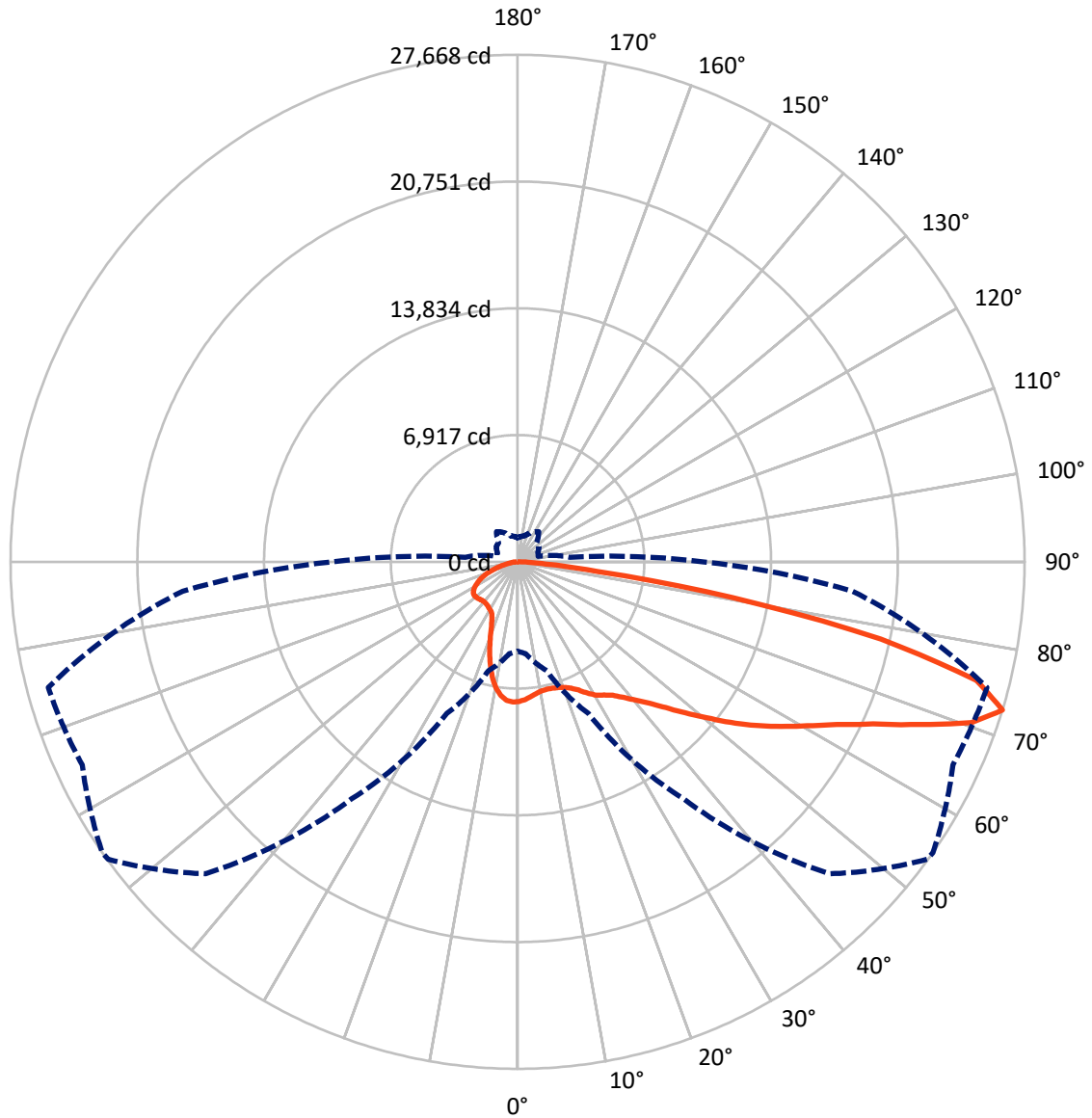
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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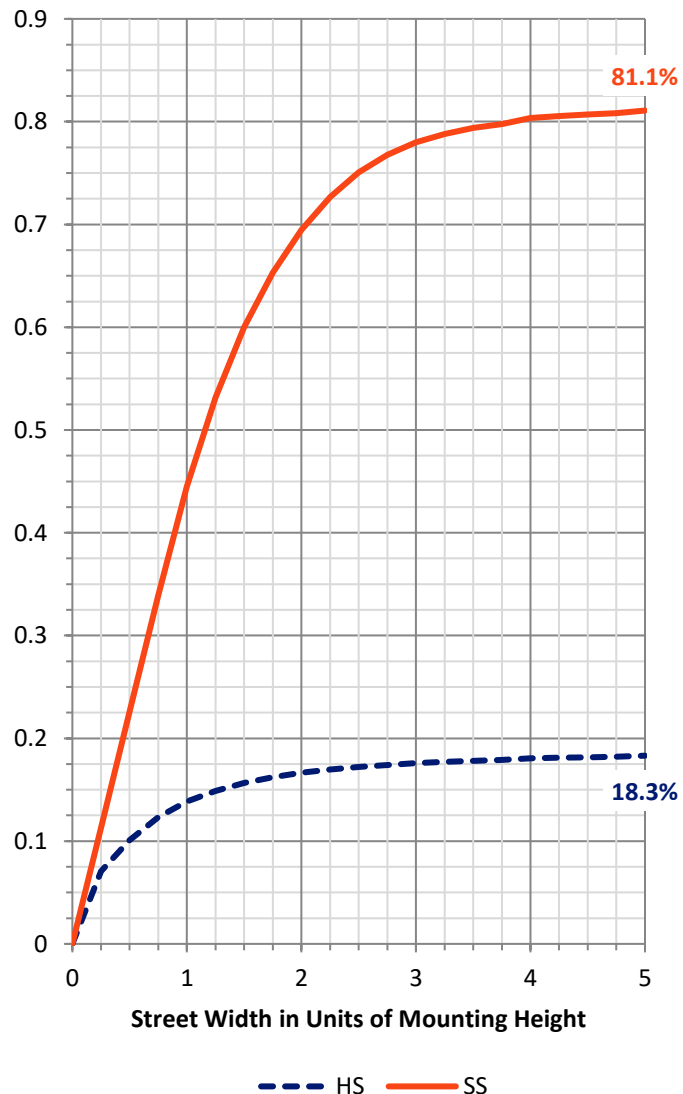
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8039.3	0.0	8039.3
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	35213.7	0.0	35213.7
	% Fixture	81.4	0.0	81.4
Total	Lumens	43253.0	0.0	43253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.3	1.6
10°-20°	1837.9	4.2
20°-30°	3030.2	7.0
30°-40°	4482.5	10.4
40°-50°	6256.6	14.5
50°-60°	8146.3	18.8
60°-70°	10011.6	23.1
70°-80°	7847.9	18.1
80°-90°	949.7	2.2
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°	43253.0	100.0
0°-180°	43253.0	100.0

Coefficient of Utilization

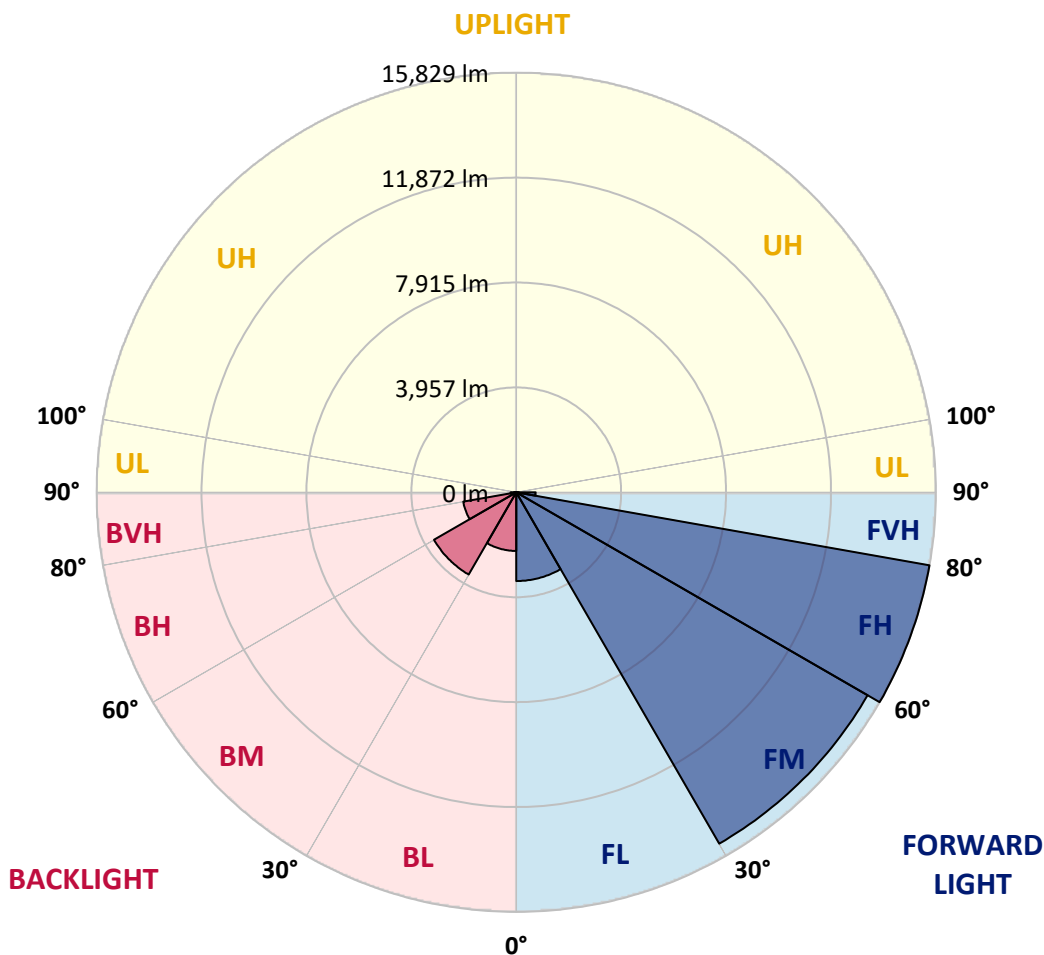


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3346.5	7.7			
FM (30°-60°)	15303.8	35.4			
FH (60°-80°)	15829.1	36.6			G5
FVH (80°-90°)	734.3	1.7			G4/750
BL (0°-30°)	2212.0	5.1	B3/2500		
BM (30°-60°)	3581.6	8.3	B3/5000		
BH (60°-80°)	2030.3	4.7	B3/2500		G3/2500
BVH (80°-90°)	215.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9
2.5°	7380.5	7363.0	7384.9	7415.6	7449.2	7494.5	7520.8	7532.5	7577.8	7595.3	7633.3
5°	7038.7	7029.9	7066.4	7119.0	7193.5	7298.7	7383.5	7399.5	7519.3	7604.1	7681.5
7.5°	6790.3	6790.3	6832.7	6895.5	6978.8	7120.5	7240.3	7262.2	7465.3	7647.9	7791.1
10°	6593.1	6600.4	6650.1	6724.6	6822.5	6972.9	7132.2	7157.0	7450.7	7750.2	7978.1
12.5°	6461.6	6479.2	6524.4	6591.6	6712.9	6895.5	7097.1	7130.7	7481.3	7896.2	8203.0
15°	6544.9	6574.1	6578.5	6606.3	6673.5	6872.1	7117.6	7152.6	7547.1	8045.3	8458.7
17.5°	6910.1	6920.4	6875.1	6816.6	6784.5	6911.6	7178.9	7215.5	7626.0	8192.8	8704.1
20°	7465.3	7459.4	7361.6	7203.8	7040.1	7060.6	7279.7	7317.7	7732.6	8322.8	8949.6
22.5°	8166.5	8146.1	7995.6	7704.9	7425.8	7309.0	7456.5	7488.7	7893.3	8508.4	9212.5
25°	9016.8	8971.5	8772.8	8382.7	7972.2	7671.3	7722.4	7753.1	8127.1	8715.8	9453.6
27.5°	9913.8	9868.5	9615.7	9143.9	8597.5	8128.5	8089.1	8115.4	8393.0	8869.2	9631.8
30°	10851.7	10803.5	10572.6	10043.8	9260.7	8601.9	8430.9	8441.2	8580.0	8952.5	9777.9
32.5°	11794.0	11748.7	11490.1	10876.5	9981.0	9110.3	8677.8	8664.7	8692.4	9038.7	9943.0
35°	12749.4	12766.9	12464.5	11785.2	10778.6	9675.6	8970.0	8942.3	8880.9	9215.5	10176.7
37.5°	13772.0	13760.4	13368.8	12658.8	11612.8	10289.2	9389.3	9384.9	9173.1	9550.0	10543.4
40°	14455.8	14463.1	14224.9	13552.9	12455.8	10968.6	9926.9	9916.7	9639.1	10051.1	11024.1
42.5°	14723.1	14771.3	14832.7	14406.1	13338.2	11756.0	10568.3	10553.7	10289.2	10769.9	11589.4
45°	14742.1	14838.5	15218.4	15164.3	14232.2	12657.4	11387.8	11346.9	11157.0	11725.3	12264.4
47.5°	14578.5	14677.8	15308.9	15615.7	15031.4	13608.4	12346.2	12314.1	12150.4	12920.3	12994.8
50°	14220.5	14315.5	15121.9	15836.3	15688.8	14523.0	13450.6	13365.9	13278.3	14300.9	13830.5
52.5°	13550.0	13732.6	14872.1	15888.9	16081.8	15335.2	14612.1	14556.6	14604.8	15757.4	14667.6
55°	11962.0	12166.5	14227.9	15845.1	16372.5	16017.5	15773.5	15770.6	16020.4	17285.5	15566.1
57.5°	11072.3	11216.9	12916.0	15770.6	16717.3	16695.3	16923.2	16951.0	17437.5	18949.5	16506.9
60°	10569.7	10721.7	12251.2	15494.5	17251.9	17571.9	18096.4	18151.9	18877.9	20791.7	17639.1
62.5°	10112.5	10279.0	11839.3	14932.0	17881.6	18825.4	19501.8	19551.4	20403.1	22685.1	18733.3
65°	9330.9	9519.3	11235.9	14562.4	18454.3	20460.1	21288.5	21322.1	22154.8	24669.0	19570.4
67.5°	8226.4	8398.8	10097.8	13745.8	18877.9	22445.5	23663.9	23682.9	23891.8	26070.0	19998.5
70°	6936.4	7002.2	8476.2	12059.9	18376.9	24302.3	26267.3	26271.6	25475.4	26967.0	19928.3
72.5°	4873.6	5028.5	6153.4	9129.3	15792.5	24075.9	27618.6	27668.3	26211.7	26514.1	18335.9
75°	2989.0	3152.7	3859.7	5532.5	10019.0	18934.9	25517.8	25862.6	24831.2	23640.5	14978.8
77.5°	1998.5	2059.9	2518.6	3225.7	4539.1	10894.0	19618.6	20267.3	20628.1	17240.3	9579.2
80°	1114.7	1231.6	1669.8	2004.4	2019.0	4328.7	11763.3	11915.2	11476.9	6864.8	2955.4
82.5°	590.2	654.5	1114.7	1177.5	1101.5	1449.2	4384.2	4388.6	3666.9	1840.8	878.0
85°	457.3	511.3	764.1	718.8	562.5	642.8	1446.3	1525.2	1247.6	753.8	286.3
87.5°	227.9	283.4	518.6	455.8	220.6	184.1	517.2	552.2	492.3	295.1	103.7
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°	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9	7628.9
2.5°	7647.9	7661.0	7677.1	7659.6	7653.7	7630.4	7590.9	7582.1	7561.7	7563.2	7574.8
5°	7715.1	7737.0	7728.2	7661.0	7580.7	7468.2	7351.3	7252.0	7186.2	7181.9	7177.5
7.5°	7843.7	7858.3	7789.6	7598.2	7373.2	7113.2	6867.8	6653.0	6523.0	6490.8	6483.5
10°	8045.3	8042.3	7853.9	7468.2	7019.7	6555.1	6160.7	5862.7	5688.8	5637.7	5624.5
12.5°	8270.2	8236.6	7875.8	7231.5	6520.1	5875.8	5376.2	5044.5	4863.4	4804.9	4790.3
15°	8502.5	8419.3	7821.7	6878.0	5906.5	5143.9	4619.4	4312.6	4214.7	4182.6	4176.8
17.5°	8718.7	8558.0	7666.9	6398.8	5206.7	4414.9	4005.8	3883.1	3906.5	3948.9	3950.3
20°	8930.6	8651.5	7418.5	5794.0	4468.9	3814.4	3675.7	3766.2	3877.3	3963.5	3975.1
22.5°	9139.5	8717.3	7098.6	5095.7	3808.6	3477.0	3574.9	3739.9	3867.0	3960.5	3976.6
25°	9314.8	8733.4	6657.4	4350.6	3349.9	3349.9	3526.6	3683.0	3808.6	3900.6	3916.7
27.5°	9379.1	8625.2	6035.0	3661.1	3119.1	3291.4	3459.4	3589.5	3696.1	3794.0	3811.5
30°	9403.9	8425.1	5316.3	3107.4	3024.1	3228.6	3368.9	3479.9	3580.7	3672.7	3688.8
32.5°	9408.3	8184.0	4553.7	2793.3	2958.4	3162.9	3256.4	3354.3	3462.4	3498.9	3504.7
35°	9436.1	7899.2	3750.2	2632.6	2897.0	3101.5	3176.0	3246.2	3070.8	3084.0	3095.7
37.5°	9516.4	7617.2	3078.1	2542.0	2857.5	3069.4	3158.5	2904.3	2767.0	2734.8	2730.5
40°	9666.9	7316.3	2580.0	2468.9	2842.9	3085.5	3046.0	2711.5	2474.8	2298.0	2271.7
42.5°	9875.8	6991.9	2261.5	2420.7	2853.2	3162.9	2889.7	2525.9	2132.9	2019.0	2004.4
45°	10111.0	6651.5	2089.1	2387.1	2888.2	3222.8	2857.5	2279.0	1973.7	1887.5	1880.2
47.5°	10338.9	6235.2	2000.0	2372.5	2936.4	3174.6	2721.7	2203.1	1897.7	1852.4	1856.8
50°	10600.4	5859.7	1945.9	2356.5	2978.8	3143.9	2568.3	2163.6	1868.5	1924.0	1982.5
52.5°	10821.0	5471.1	1897.7	2324.3	2994.9	3089.8	2528.8	2170.9	1868.5	1975.2	2030.7
55°	11082.5	5177.5	1842.2	2257.1	2964.2	2936.4	2501.1	2214.7	1890.4	1823.2	1829.1
57.5°	11420.0	5081.1	1780.9	2151.9	2861.9	2712.9	2487.9	2257.1	1877.3	1834.9	1849.5
60°	11887.5	5183.3	1756.0	2014.6	2702.7	2537.6	2489.4	2235.2	1785.2	1712.2	1713.7
62.5°	12333.0	5297.3	1754.6	1928.4	2506.9	2381.3	2455.8	2163.6	1738.5	1696.1	1712.2
65°	12479.1	5181.9	1684.4	1832.0	2286.3	2194.3	2394.4	2087.6	1703.4	1639.1	1636.2
67.5°	12283.4	4823.9	1542.7	1675.7	2033.6	1976.6	2314.1	1997.1	1647.9	1595.3	1586.6
70°	11701.9	4024.8	1367.4	1469.7	1745.8	1731.2	2187.0	1891.9	1573.4	1528.1	1490.1
72.5°	10137.3	2867.8	1152.7	1222.8	1421.5	1468.2	2011.7	1754.6	1468.2	1370.3	1311.9
75°	8325.8	2122.7	946.7	961.3	1079.6	1206.7	1770.6	1593.9	1344.0	1177.5	1132.2
77.5°	5098.6	1298.8	753.8	759.7	774.3	962.7	1458.0	1414.2	1186.3	981.7	949.6
80°	1650.8	708.5	544.9	572.7	528.9	705.6	1127.8	1203.8	1018.3	821.0	786.0
82.5°	628.2	413.4	368.2	387.1	366.7	473.3	822.5	964.2	834.2	674.9	549.3
85°	303.9	233.7	217.7	244.0	226.4	242.5	525.9	710.0	632.6	439.7	409.1
87.5°	108.1	103.7	83.3	112.5	96.4	86.2	160.7	357.9	417.8	302.4	270.3
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)