

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: P318040

Luminaire Tested: **GAN-SA6B-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30547 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

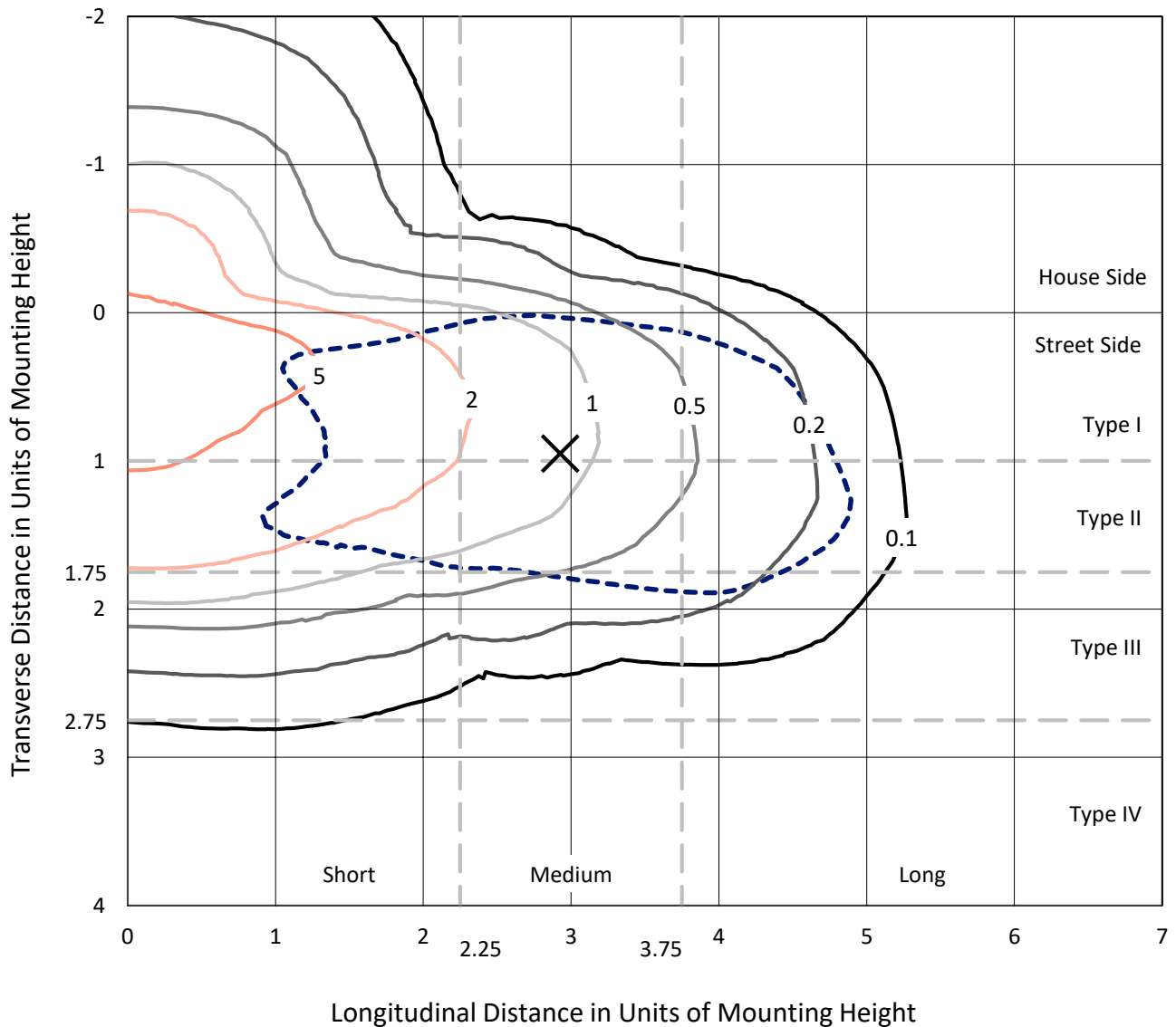
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

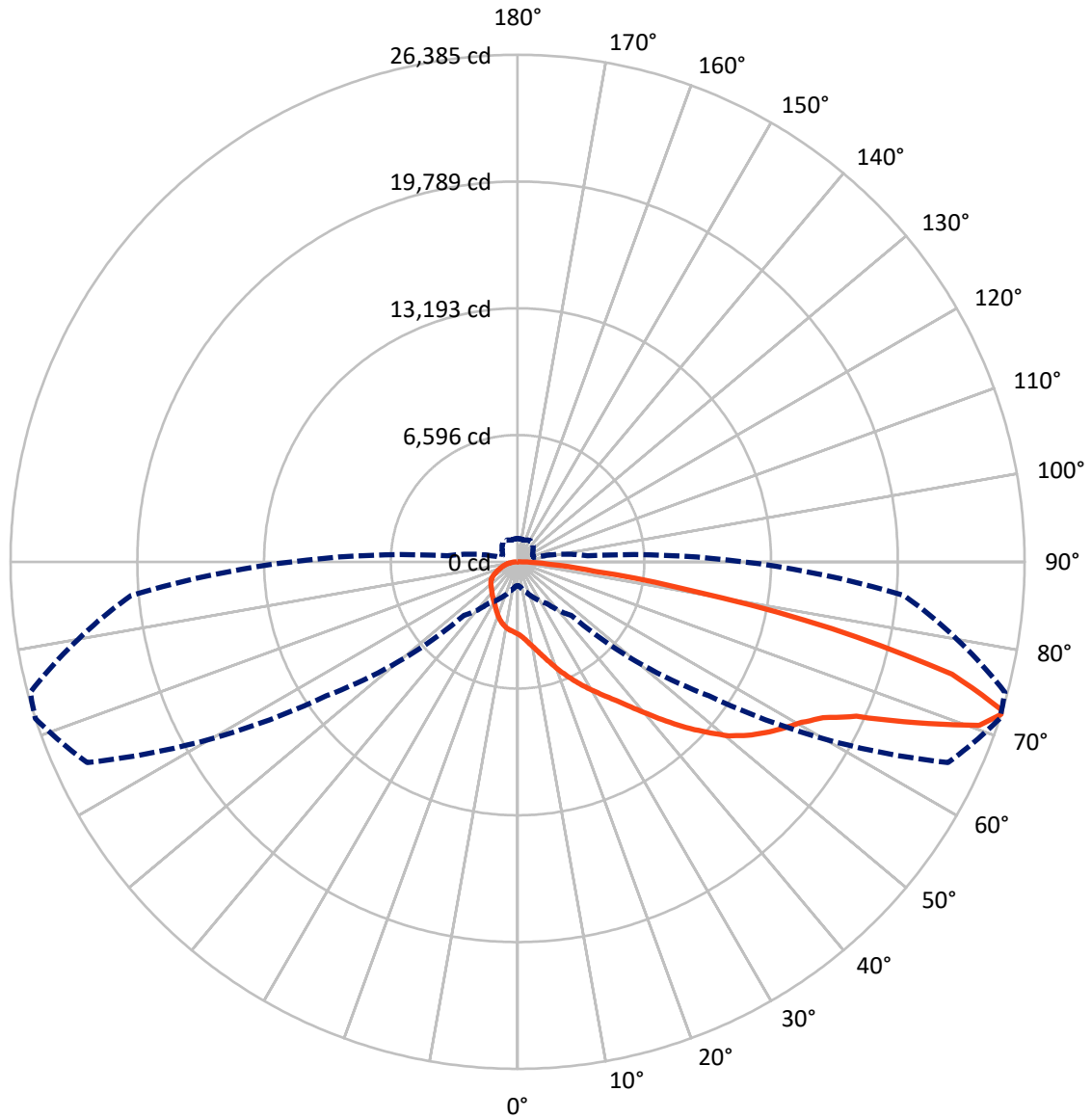
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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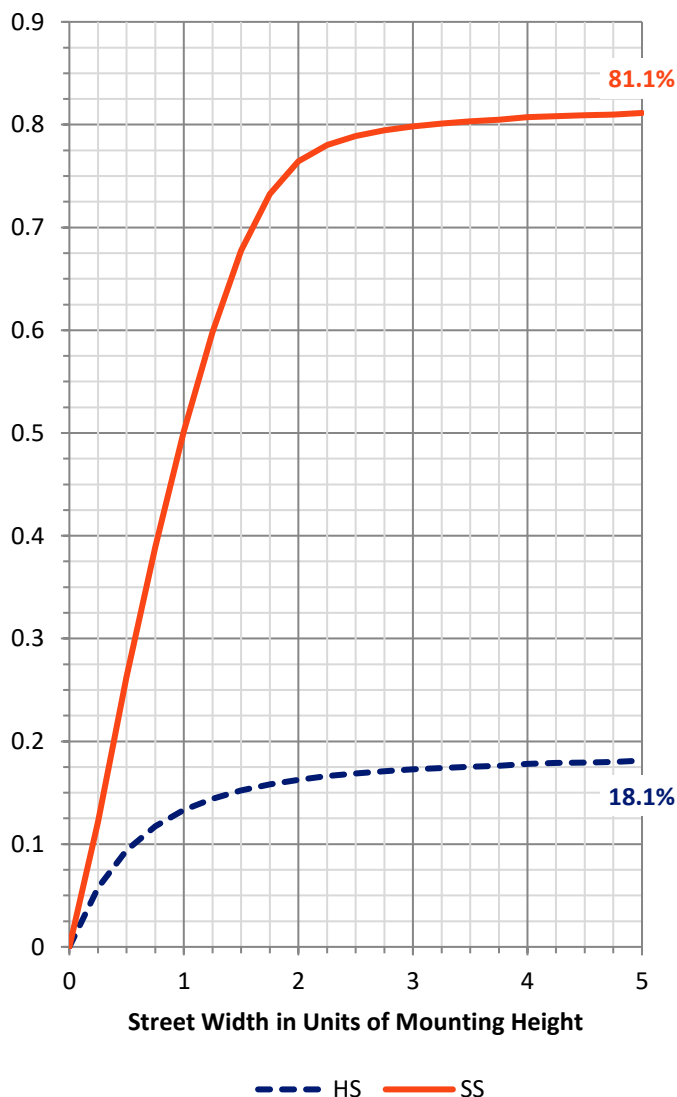
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5666.7	0.0	5666.7
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	24880.3	0.0	24880.3
	% Fixture	81.4	0.0	81.4
Total	Lumens	30547.0	0.0	30547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.6	1.2
10°-20°	1216.9	4.0
20°-30°	2132.4	7.0
30°-40°	3161.6	10.4
40°-50°	4624.2	15.1
50°-60°	6362.8	20.8
60°-70°	7083.7	23.2
70°-80°	4799.9	15.7
80°-90°	788.9	2.6
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°	30547.0	100.0
0°-180°	30547.0	100.0

Coefficient of Utilization

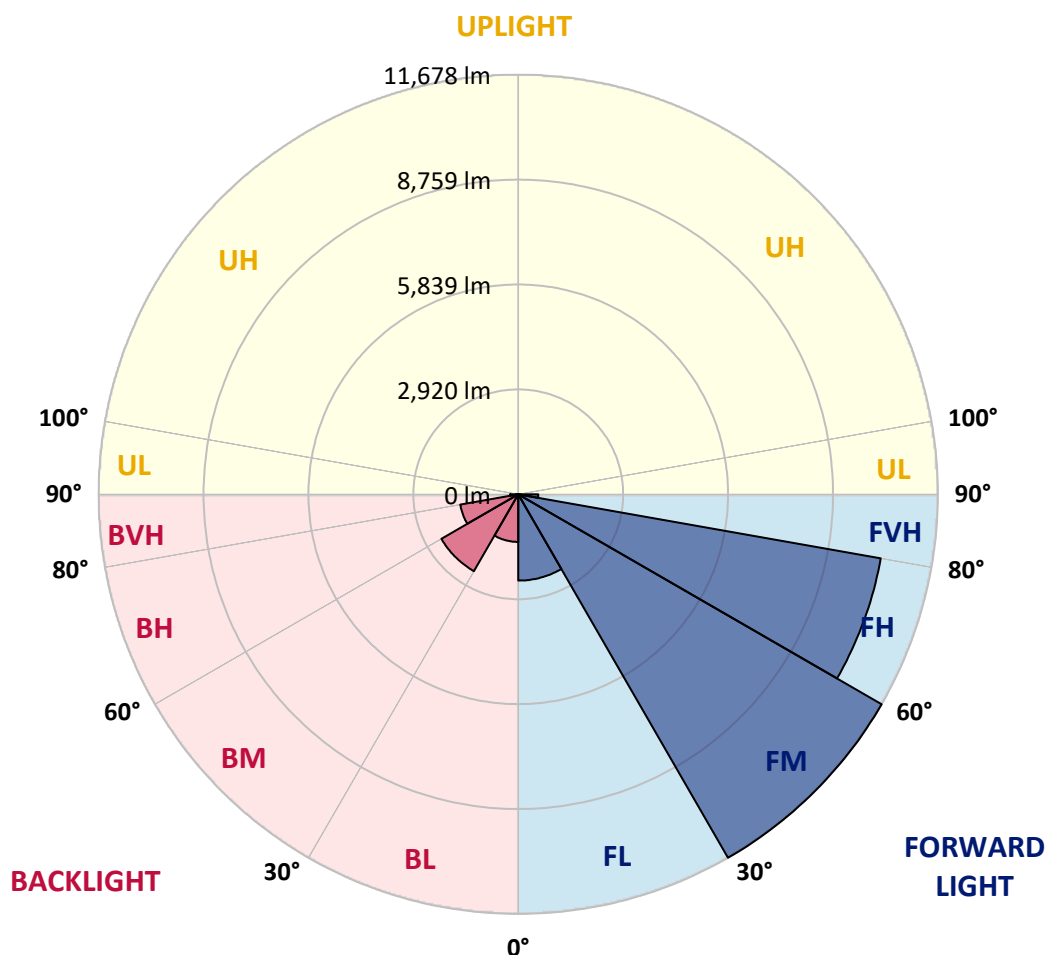


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2401.2	7.9			
FM (30°-60°)	11678.5	38.2			
FH (60°-80°)	10244.2	33.5			G4/12000
FVH (80°-90°)	556.5	1.8			G4/750
BL (0°-30°)	1324.7	4.3	B3/2500		
BM (30°-60°)	2470.1	8.1	B2/2500		
BH (60°-80°)	1639.4	5.4	B3/2500		G3/2500
BVH (80°-90°)	232.4	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1
2.5°	4151.5	4145.1	4123.1	4123.1	4081.0	4045.2	3977.9	3932.7	3879.0	3860.1	3797.0
5°	4553.2	4555.3	4528.0	4509.1	4447.0	4371.3	4256.6	4152.5	4048.4	4006.3	3876.9
7.5°	4890.9	4886.7	4879.3	4863.5	4805.7	4727.8	4573.2	4418.6	4265.0	4201.9	3979.0
10°	5107.5	5117.0	5123.3	5130.7	5106.5	5050.7	4904.5	4716.3	4515.4	4429.1	4101.0
12.5°	5216.9	5233.8	5263.2	5313.7	5353.7	5347.3	5241.1	5041.3	4802.5	4694.2	4253.5
15°	5281.1	5303.2	5349.4	5439.9	5552.4	5616.6	5588.2	5407.3	5141.2	5007.6	4439.6
17.5°	5321.1	5338.9	5410.5	5531.4	5698.6	5869.0	5943.7	5792.3	5524.0	5371.5	4653.2
20°	5348.4	5362.1	5451.5	5593.5	5810.1	6081.5	6289.8	6251.9	5945.8	5748.1	4876.1
22.5°	5409.4	5421.0	5506.2	5649.2	5889.0	6239.3	6623.2	6680.0	6390.7	6166.7	5114.9
25°	5579.8	5579.8	5651.3	5751.2	5976.3	6376.0	6905.1	7156.4	6845.1	6584.3	5335.8
27.5°	5904.8	5901.6	5927.9	5962.6	6133.0	6514.8	7156.4	7577.2	7316.3	7031.3	5550.3
30°	6289.8	6310.8	6313.9	6297.1	6377.1	6688.4	7388.9	8021.0	7790.7	7483.6	5770.2
32.5°	6785.2	6798.8	6783.1	6727.3	6715.7	6934.5	7617.1	8485.9	8304.0	7955.8	5971.1
35°	7414.1	7387.8	7338.4	7224.8	7116.5	7263.7	7878.0	8950.8	8880.3	8526.9	6247.7
37.5°	8088.3	8089.4	8028.4	7770.7	7621.3	7684.4	8237.7	9477.8	9577.7	9206.4	6602.1
40°	8629.0	8657.4	8695.2	8356.5	8163.0	8250.3	8695.2	10088.9	10402.3	10012.1	7063.9
42.5°	9006.6	9039.2	9146.4	8934.0	8733.1	8895.1	9233.7	10741.0	11327.9	10941.9	7604.5
45°	9406.2	9424.1	9499.8	9408.3	9280.0	9645.0	9840.6	11416.2	12307.1	11932.7	8209.3
47.5°	9827.0	9845.9	9923.7	9862.7	9795.4	10345.5	10473.8	12052.6	13245.3	13021.3	8855.1
50°	10346.5	10359.2	10432.8	10322.4	10343.4	10873.5	11039.7	12636.3	14228.7	13999.4	9503.0
52.5°	11055.5	11058.6	11160.6	11060.7	10961.8	11260.6	11526.7	13186.4	14999.7	14891.4	10150.9
55°	11610.8	11644.5	11978.9	11957.9	11901.1	11611.9	11933.7	13710.2	15687.6	15739.1	10838.8
57.5°	11256.4	11387.8	12065.2	12542.7	13007.6	12485.9	12483.8	14300.3	16327.1	16571.1	11595.0
60°	9858.5	10037.3	11035.5	12094.6	13549.3	14006.8	13626.1	15020.7	16972.9	17395.7	12542.7
62.5°	7040.7	7335.2	8687.9	10379.2	12806.7	15014.4	15950.5	16164.0	17851.1	18350.7	13774.4
65°	3559.3	3782.3	4916.1	6953.4	10231.9	14356.0	18477.0	18667.3	19377.3	19821.2	15670.8
67.5°	2162.5	2246.6	2799.9	3867.5	6272.9	11182.7	19301.6	22839.8	22330.7	22566.3	18374.9
70°	1593.5	1655.5	2000.5	2568.5	3607.7	6562.2	16770.9	25817.5	25483.0	25456.7	20373.3
72°	1241.1	1286.4	1591.4	2075.2	2637.9	3936.9	12155.6	24718.3	26385.4	26252.9	20190.3
72.5°	1177.0	1216.9	1494.6	1953.2	2492.8	3568.8	10929.2	23976.8	26320.2	26260.3	19953.7
75°	926.6	955.0	1106.5	1510.4	1951.1	2024.7	5988.9	18581.1	23348.9	24319.7	17946.8
77.5°	766.8	771.0	850.9	1099.1	1520.9	1431.5	2941.9	12891.9	16719.4	17787.0	12713.1
80°	624.8	630.0	667.9	771.0	1150.7	1059.2	1396.8	7413.1	9361.0	9372.6	6045.7
82.5°	497.5	498.6	540.6	563.8	826.7	757.3	800.4	3480.4	4090.4	3934.8	2173.0
85°	350.2	342.9	528.0	462.8	540.6	485.9	441.8	1377.9	1691.3	1617.7	680.5
87.5°	116.7	121.0	234.6	299.8	315.5	275.6	196.7	528.0	638.4	633.2	215.6
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°	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1	3758.1
2.5°	3777.0	3743.4	3693.9	3639.2	3596.1	3551.9	3519.3	3502.5	3483.6	3467.8	3486.7
5°	3817.0	3753.9	3648.7	3545.6	3469.9	3402.6	3354.2	3328.9	3305.8	3290.0	3292.1
7.5°	3882.2	3780.2	3603.5	3453.1	3347.9	3275.3	3225.9	3209.0	3194.3	3190.1	3195.4
10°	3951.6	3801.2	3543.5	3343.7	3223.8	3163.8	3141.7	3153.3	3163.8	3173.3	3183.8
12.5°	4030.5	3820.1	3456.2	3215.3	3113.3	3090.2	3112.3	3162.8	3199.6	3221.7	3235.3
15°	4133.6	3837.0	3355.2	3087.0	3018.7	3045.0	3119.6	3206.9	3271.1	3312.1	3318.4
17.5°	4228.2	3835.9	3225.9	2957.7	2941.9	3018.7	3131.2	3254.3	3340.5	3398.4	3409.9
20°	4326.0	3807.5	3075.5	2831.4	2864.0	2990.3	3136.5	3284.8	3388.9	3456.2	3472.0
22.5°	4417.6	3758.1	2910.3	2716.8	2798.8	2952.4	3116.5	3266.9	3371.0	3425.7	3442.5
25°	4479.6	3671.8	2743.1	2620.0	2741.0	2906.1	3051.3	3172.2	3250.1	3277.4	3281.6
27.5°	4511.2	3559.3	2585.3	2535.9	2681.0	2830.4	2930.3	2990.3	3012.4	3010.2	3006.0
30°	4515.4	3411.0	2449.6	2467.5	2611.6	2718.9	2766.2	2754.7	2726.3	2677.9	2682.1
32.5°	4501.7	3243.7	2336.0	2402.3	2523.3	2583.2	2585.3	2529.6	2453.8	2377.1	2356.0
35°	4505.9	3079.7	2236.1	2328.7	2416.0	2442.3	2418.1	2336.0	2233.0	2134.1	2113.1
37.5°	4552.2	2936.6	2149.9	2243.5	2297.1	2303.4	2268.7	2182.5	2106.8	2010.0	2001.6
40°	4662.6	2834.6	2067.8	2147.8	2178.3	2181.4	2132.0	2071.0	2077.3	2025.8	2024.7
42.5°	4861.4	2790.4	1995.3	2047.9	2066.8	2073.1	2035.2	1996.3	2051.0	2017.4	2005.8
45°	5118.1	2800.9	1934.3	1950.0	1984.7	2014.2	1991.1	1943.7	1964.8	1818.6	1770.2
47.5°	5414.7	2868.3	1885.9	1865.9	1925.8	1981.6	1945.8	1874.3	1799.6	1654.5	1627.1
50°	5761.8	2972.4	1841.7	1782.8	1861.7	1937.4	1901.7	1799.6	1687.1	1616.6	1607.1
52.5°	6123.6	3099.7	1797.5	1691.3	1780.7	1903.8	1885.9	1782.8	1644.0	1574.5	1561.9
55°	6533.8	3228.0	1741.8	1585.1	1693.4	1888.0	1878.5	1721.8	1611.4	1572.4	1563.0
57.5°	7043.9	3374.2	1668.2	1474.6	1611.4	1831.2	1801.7	1685.0	1577.7	1548.2	1545.1
60°	7708.6	3589.8	1561.9	1356.8	1511.4	1743.9	1737.6	1631.3	1524.1	1503.0	1498.8
62.5°	8705.7	3946.3	1415.7	1239.0	1399.9	1595.6	1653.4	1558.8	1467.3	1466.2	1468.3
65°	10251.9	4482.8	1256.9	1135.9	1287.4	1470.4	1555.6	1484.1	1409.4	1430.4	1433.6
67.5°	12044.2	4927.7	1101.2	1035.0	1172.8	1351.6	1467.3	1409.4	1332.6	1387.3	1388.4
70°	12640.5	4530.1	964.5	935.0	1053.9	1236.9	1371.5	1327.4	1249.5	1304.2	1299.0
72°	11763.3	3657.1	876.1	859.3	964.5	1142.3	1286.4	1250.6	1173.8	1210.6	1196.9
72.5°	11486.7	3486.7	854.1	840.4	940.3	1118.1	1264.3	1231.7	1154.9	1186.4	1173.8
75°	10246.6	3028.1	734.2	737.3	820.4	1000.3	1140.2	1129.6	1050.7	1053.9	1049.7
77.5°	7432.0	2220.3	618.5	639.5	698.4	879.3	1015.0	1008.7	922.4	906.7	903.5
80°	3448.8	1132.8	503.8	513.3	574.3	735.2	865.6	857.2	787.8	767.8	756.2
82.5°	1181.2	538.5	378.6	385.0	444.9	592.2	751.0	745.7	687.9	649.0	624.8
85°	421.8	268.2	265.1	258.7	317.6	465.9	654.2	625.8	540.6	460.7	458.6
87.5°	136.7	114.6	136.7	135.7	185.1	315.5	475.4	404.9	392.3	326.1	319.7
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)