

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: P318048

Luminaire Tested: **GAN-SA4C-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318048
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-SA4C-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25498 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 225
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

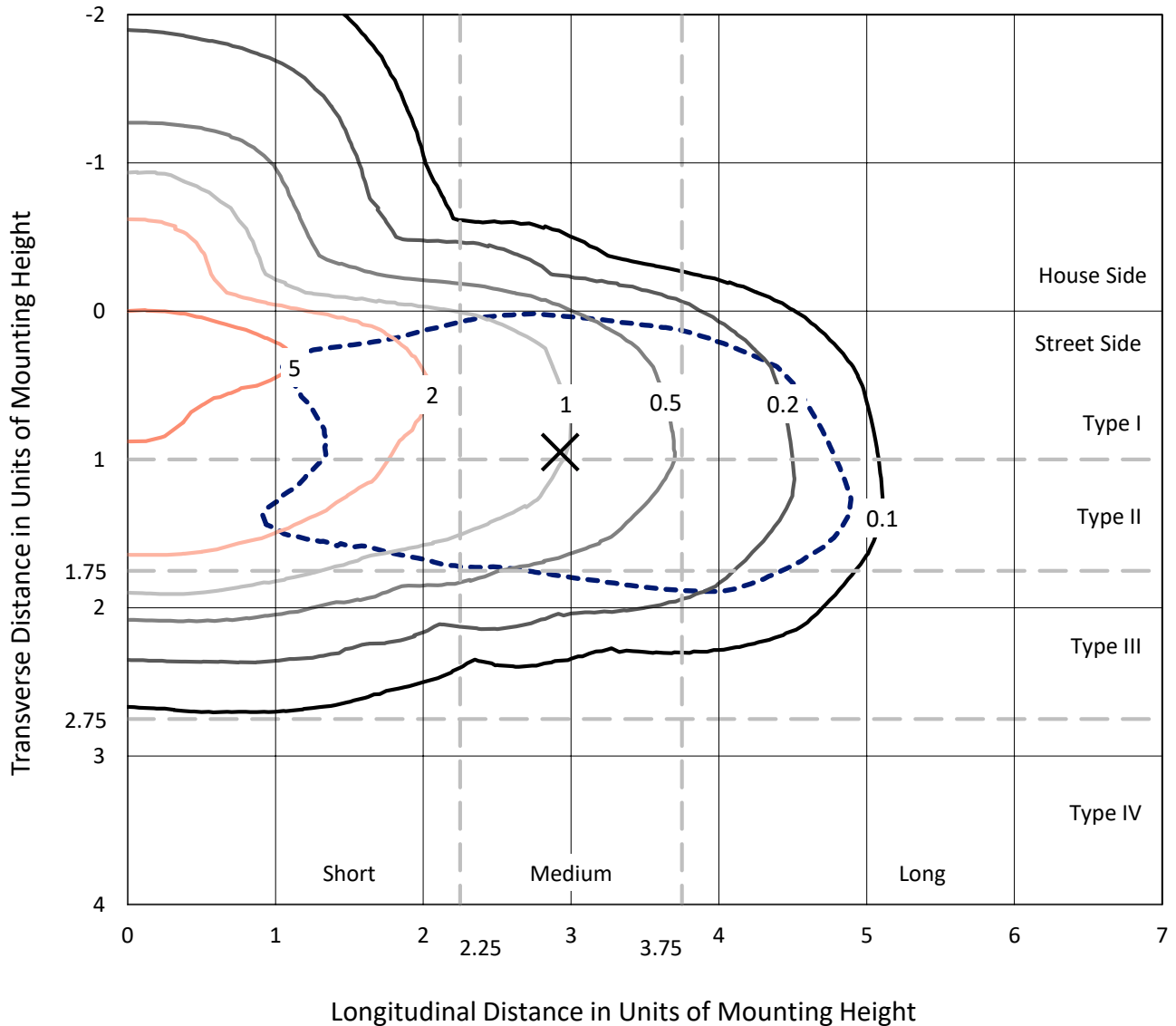




REPORT NUMBER: P318048
 CATALOG NUMBER: GAN-SA4C-730-U-T2

Iso-Footcandle Lines of Horizontal Illumination

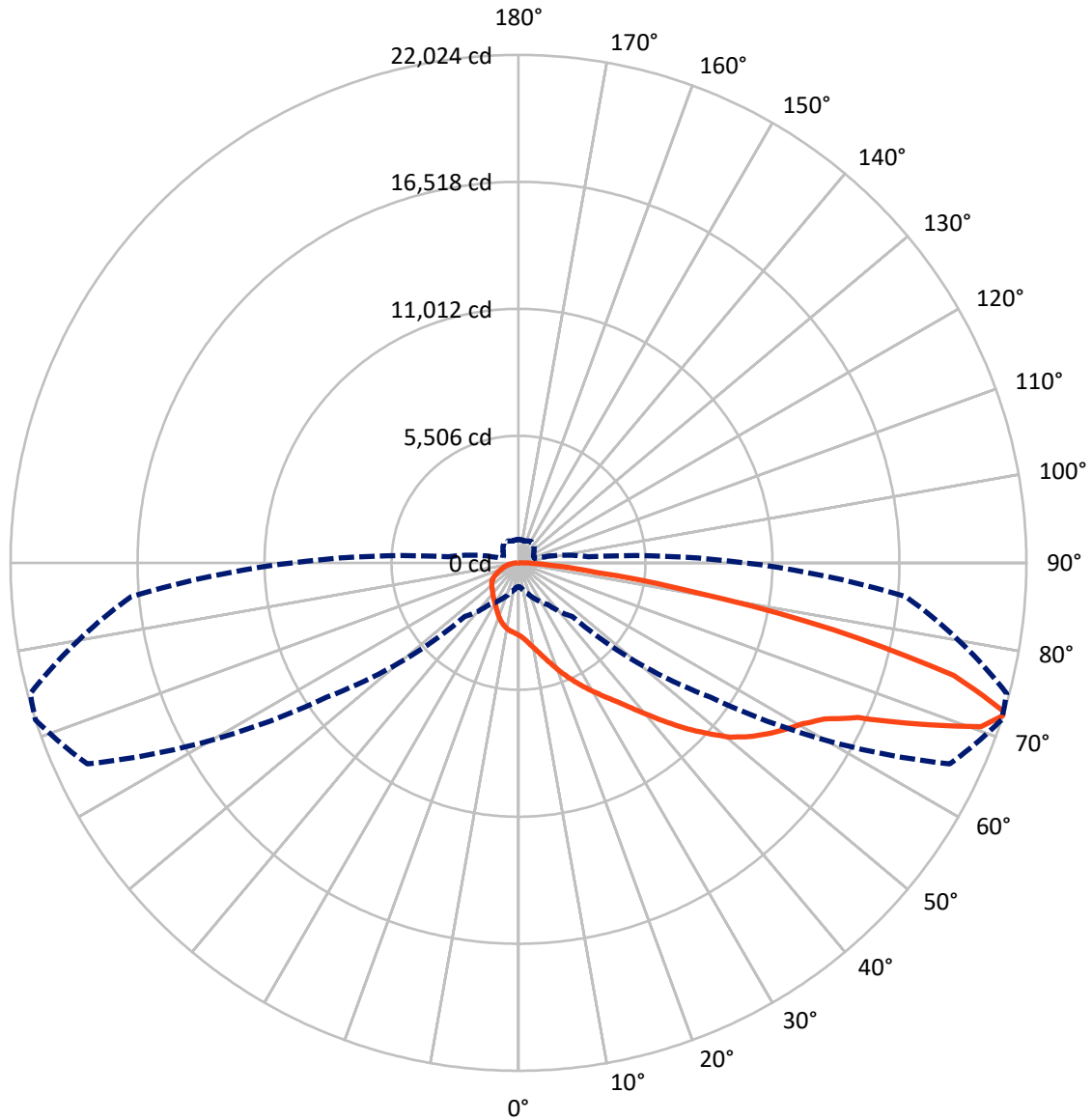
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P318048
CATALOG NUMBER: GAN-SA4C-730-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P318048
 CATALOG NUMBER: GAN-SA4C-730-U-T2

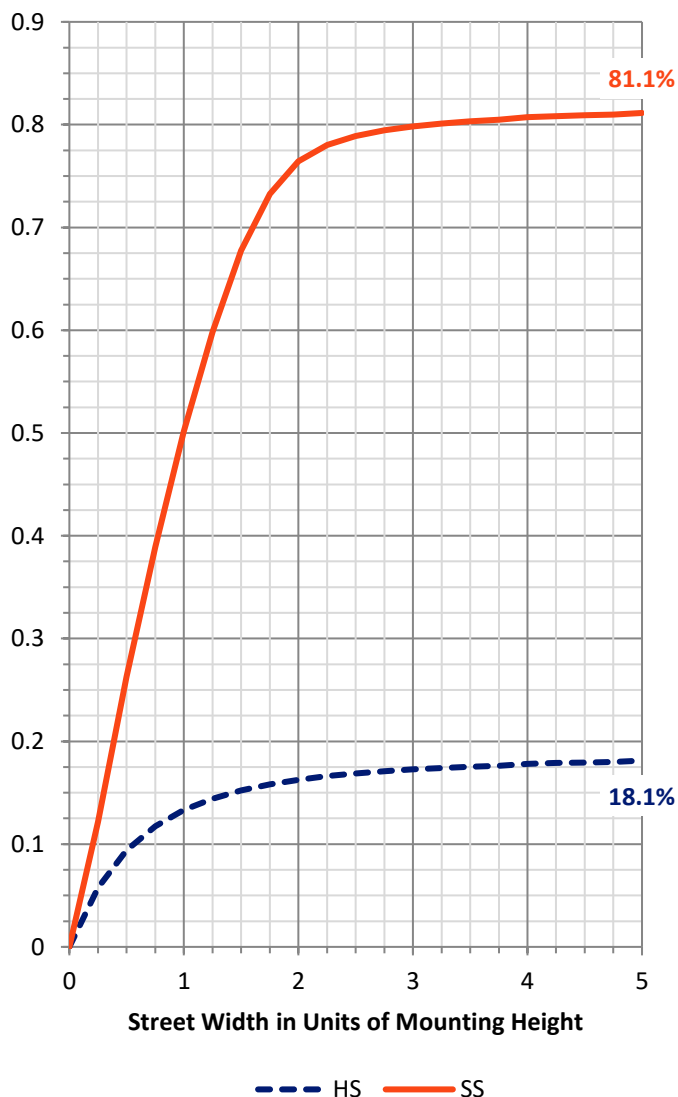
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4730.1	0.0	4730.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	20767.9	0.0	20767.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	25498.0	0.0	25498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.3	1.2
10°-20°	1015.8	4.0
20°-30°	1779.9	7.0
30°-40°	2639.1	10.4
40°-50°	3859.9	15.1
50°-60°	5311.1	20.8
60°-70°	5912.9	23.2
70°-80°	4006.6	15.7
80°-90°	658.5	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°	25498.0	100.0
0°-180°	25498.0	100.0

Coefficient of Utilization

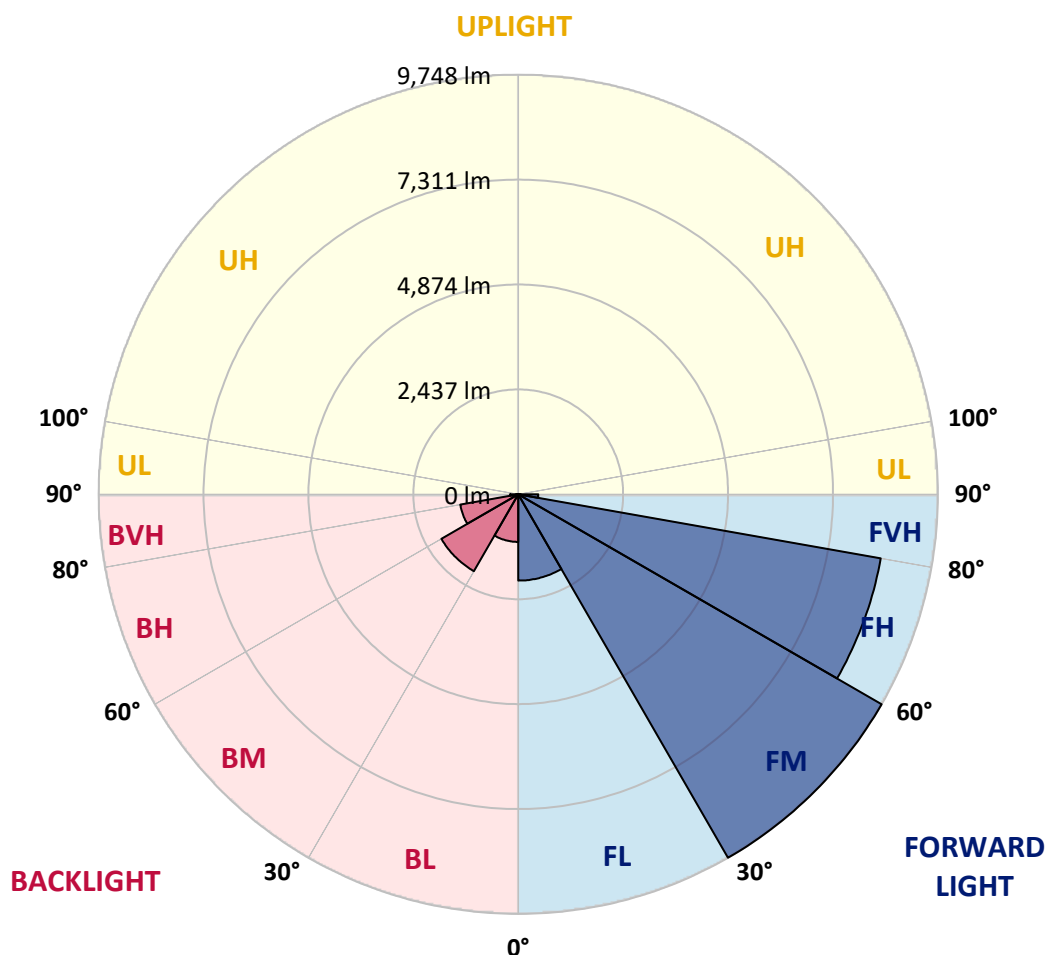


REPORT NUMBER: P318048
 CATALOG NUMBER: GAN-SA4C-730-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2004.3	7.9			
FM (30°-60°)	9748.2	38.2			
FH (60°-80°)	8551.0	33.5			G4/12000
FVH (80°-90°)	464.5	1.8			G3/500
BL (0°-30°)	1105.7	4.3	B3/2500		
BM (30°-60°)	2061.9	8.1	B2/2500		
BH (60°-80°)	1368.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	194.0	0.8			G2/225
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





REPORT NUMBER: P318048
 CATALOG NUMBER: GAN-SA4C-730-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9
2.5°	3465.3	3460.0	3441.6	3441.6	3406.5	3376.6	3320.4	3282.7	3237.9	3222.1	3169.4
5°	3800.7	3802.4	3779.6	3763.8	3712.0	3648.8	3553.1	3466.2	3379.2	3344.1	3236.1
7.5°	4082.5	4079.0	4072.8	4059.6	4011.4	3946.4	3817.3	3688.3	3560.1	3507.4	3321.3
10°	4263.3	4271.2	4276.5	4282.6	4262.5	4215.9	4093.9	3936.7	3769.0	3697.1	3423.1
12.5°	4354.6	4368.7	4393.3	4435.4	4468.8	4463.5	4374.8	4208.0	4008.7	3918.3	3550.4
15°	4408.2	4426.6	4465.3	4540.8	4634.7	4688.3	4664.6	4513.5	4291.4	4179.9	3705.8
17.5°	4441.6	4456.5	4516.2	4617.1	4756.7	4899.0	4961.3	4834.9	4611.0	4483.7	3884.1
20°	4464.4	4475.8	4550.4	4668.9	4849.8	5076.3	5250.1	5218.5	4963.1	4798.0	4070.2
22.5°	4515.3	4525.0	4596.1	4715.5	4915.6	5208.0	5528.5	5575.9	5334.4	5147.4	4269.5
25°	4657.5	4657.5	4717.2	4800.6	4988.5	5322.1	5763.7	5973.6	5713.7	5496.0	4453.8
27.5°	4928.8	4926.2	4948.1	4977.1	5119.3	5438.0	5973.6	6324.8	6107.0	5869.1	4632.9
30°	5250.1	5267.7	5270.3	5256.3	5323.0	5582.9	6167.6	6695.3	6503.0	6246.6	4816.4
32.5°	5663.7	5675.1	5661.9	5615.4	5605.7	5788.3	6358.1	7083.3	6931.4	6640.8	4984.1
35°	6188.7	6166.7	6125.5	6030.6	5940.2	6063.1	6575.9	7471.4	7412.5	7117.5	5215.0
37.5°	6751.4	6752.3	6701.4	6486.3	6361.6	6414.3	6876.1	7911.2	7994.6	7684.7	5510.9
40°	7202.7	7226.4	7258.0	6975.3	6813.8	6886.6	7258.0	8421.3	8682.9	8357.2	5896.3
42.5°	7517.9	7545.1	7634.7	7457.3	7289.6	7424.8	7707.5	8965.6	9455.5	9133.3	6347.6
45°	7851.5	7866.4	7929.7	7853.3	7746.2	8050.8	8214.1	9529.3	10272.9	9960.4	6852.4
47.5°	8202.7	8218.5	8283.5	8232.5	8176.4	8635.5	8742.6	10060.4	11056.0	10869.0	7391.5
50°	8636.4	8646.9	8708.4	8616.2	8633.8	9076.3	9215.0	10547.7	11876.9	11685.5	7932.3
52.5°	9228.1	9230.8	9315.9	9232.5	9150.0	9399.3	9621.5	11006.9	12520.5	12430.0	8473.1
55°	9691.7	9719.8	9999.0	9981.4	9934.0	9692.6	9961.2	11444.1	13094.6	13137.7	9047.3
57.5°	9395.8	9505.6	10071.0	10469.6	10857.6	10422.2	10420.4	11936.6	13628.4	13832.1	9678.5
60°	8229.0	8378.3	9211.5	10095.6	11309.8	11691.7	11373.9	12538.0	14167.5	14520.4	10469.6
62.5°	5877.0	6122.8	7251.9	8663.6	10689.9	12532.8	13314.1	13492.4	14900.6	15317.6	11497.6
65°	2971.0	3157.1	4103.5	5804.1	8540.7	11983.2	15423.0	15581.9	16174.5	16545.0	13080.6
67.5°	1805.1	1875.3	2337.1	3228.2	5236.1	9334.4	16111.3	19064.7	18639.8	18836.4	15337.8
70°	1330.1	1381.9	1669.9	2144.0	3011.4	5477.5	13998.9	21550.2	21271.0	21249.0	17005.9
72°	1036.0	1073.7	1328.3	1732.2	2201.9	3286.2	10146.5	20632.7	22024.3	21913.7	16853.1
72.5°	982.4	1015.8	1247.6	1630.4	2080.7	2978.9	9122.8	20013.8	21969.8	21919.8	16655.6
75°	773.5	797.2	923.6	1260.7	1628.6	1690.1	4999.1	15509.9	19489.6	20300.0	14980.5
77.5°	640.0	643.5	710.3	917.5	1269.5	1194.9	2455.6	10761.0	13955.9	14847.0	10611.8
80°	521.5	525.9	557.5	643.5	960.5	884.1	1165.9	6187.8	7813.8	7823.4	5046.5
82.5°	415.3	416.1	451.3	470.6	690.1	632.1	668.1	2905.1	3414.4	3284.4	1813.8
85°	292.4	286.2	440.7	386.3	451.3	405.6	368.7	1150.1	1411.7	1350.3	568.0
87.5°	97.5	101.0	195.8	250.2	263.4	230.0	164.2	440.7	532.9	528.5	180.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P318048
 CATALOG NUMBER: GAN-SA4C-730-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9
2.5°	3152.7	3124.6	3083.4	3037.7	3001.7	2964.8	2937.6	2923.6	2907.8	2894.6	2910.4
5°	3186.1	3133.4	3045.6	2959.6	2896.4	2840.2	2799.8	2778.7	2759.4	2746.2	2748.0
7.5°	3240.5	3155.4	3007.9	2882.3	2794.5	2733.9	2692.7	2678.6	2666.3	2662.8	2667.2
10°	3298.5	3172.9	2957.8	2791.0	2690.9	2640.9	2622.4	2632.1	2640.9	2648.8	2657.6
12.5°	3364.3	3188.7	2884.9	2683.9	2598.7	2579.4	2597.9	2640.0	2670.7	2689.2	2700.6
15°	3450.3	3202.8	2800.7	2576.8	2519.7	2541.7	2604.0	2676.9	2730.4	2764.7	2769.9
17.5°	3529.4	3201.9	2692.7	2468.8	2455.6	2519.7	2613.7	2716.4	2788.4	2836.7	2846.3
20°	3611.0	3178.2	2567.1	2363.4	2390.7	2496.0	2618.1	2741.8	2828.8	2884.9	2898.1
22.5°	3687.4	3136.9	2429.3	2267.7	2336.2	2464.4	2601.4	2726.9	2813.8	2859.5	2873.5
25°	3739.2	3064.9	2289.7	2187.0	2287.9	2425.8	2546.9	2647.9	2712.9	2735.7	2739.2
27.5°	3765.5	2971.0	2158.0	2116.7	2237.9	2362.6	2446.0	2496.0	2514.5	2512.7	2509.2
30°	3769.0	2847.2	2044.7	2059.7	2180.0	2269.5	2309.0	2299.4	2275.6	2235.3	2238.8
32.5°	3757.6	2707.6	1949.9	2005.2	2106.2	2156.2	2158.0	2111.5	2048.3	1984.2	1966.6
35°	3761.1	2570.6	1866.5	1943.8	2016.7	2038.6	2018.4	1949.9	1863.9	1781.4	1763.8
37.5°	3799.8	2451.2	1794.5	1872.7	1917.4	1922.7	1893.7	1821.7	1758.5	1677.8	1670.7
40°	3892.0	2366.1	1726.1	1792.8	1818.2	1820.9	1779.6	1728.7	1734.0	1690.9	1690.1
42.5°	4057.9	2329.2	1665.5	1709.4	1725.2	1730.4	1698.8	1666.4	1712.0	1683.9	1674.3
45°	4272.1	2338.0	1614.6	1627.7	1656.7	1681.3	1662.0	1622.5	1640.0	1518.0	1477.6
47.5°	4519.7	2394.2	1574.2	1557.5	1607.5	1654.1	1624.2	1564.5	1502.2	1381.0	1358.2
50°	4809.4	2481.1	1537.3	1488.1	1554.0	1617.2	1587.3	1502.2	1408.2	1349.4	1341.5
52.5°	5111.4	2587.3	1500.4	1411.7	1486.4	1589.1	1574.2	1488.1	1372.2	1314.3	1303.8
55°	5453.8	2694.4	1453.9	1323.1	1413.5	1575.9	1568.0	1437.2	1345.0	1312.5	1304.6
57.5°	5879.6	2816.5	1392.4	1230.9	1345.0	1528.5	1503.9	1406.5	1316.9	1292.3	1289.7
60°	6434.5	2996.4	1303.8	1132.6	1261.6	1455.6	1450.4	1361.7	1272.2	1254.6	1251.1
62.5°	7266.8	3294.1	1181.7	1034.2	1168.6	1331.9	1380.1	1301.1	1224.7	1223.9	1225.6
65°	8557.4	3741.8	1049.2	948.2	1074.6	1227.4	1298.5	1238.8	1176.5	1194.0	1196.6
67.5°	10053.4	4113.2	919.2	863.9	978.9	1128.2	1224.7	1176.5	1112.4	1158.0	1158.9
70°	10551.2	3781.3	805.1	780.5	879.7	1032.5	1144.8	1108.0	1043.0	1088.7	1084.3
72°	9819.0	3052.6	731.3	717.3	805.1	953.5	1073.7	1043.9	979.8	1010.5	999.1
72.5°	9588.1	2910.4	712.9	701.5	784.9	933.3	1055.3	1028.1	964.0	990.3	979.8
75°	8553.0	2527.6	612.8	615.4	684.8	834.9	951.7	942.9	877.1	879.7	876.2
77.5°	6203.6	1853.4	516.2	533.8	583.0	734.0	847.2	842.0	770.0	756.8	754.2
80°	2878.8	945.6	420.5	428.4	479.4	613.7	722.6	715.5	657.6	640.9	631.2
82.5°	985.9	449.5	316.1	321.3	371.4	494.3	626.9	622.5	574.2	541.7	521.5
85°	352.1	223.9	221.2	216.0	265.1	388.9	546.1	522.4	451.3	384.5	382.8
87.5°	114.1	95.7	114.1	113.3	154.5	263.4	396.8	338.0	327.5	272.2	266.9
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)