

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: P317430

Luminaire Tested: **GAN-SA6A-740-U-T2R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-740-U-T2R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29038 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

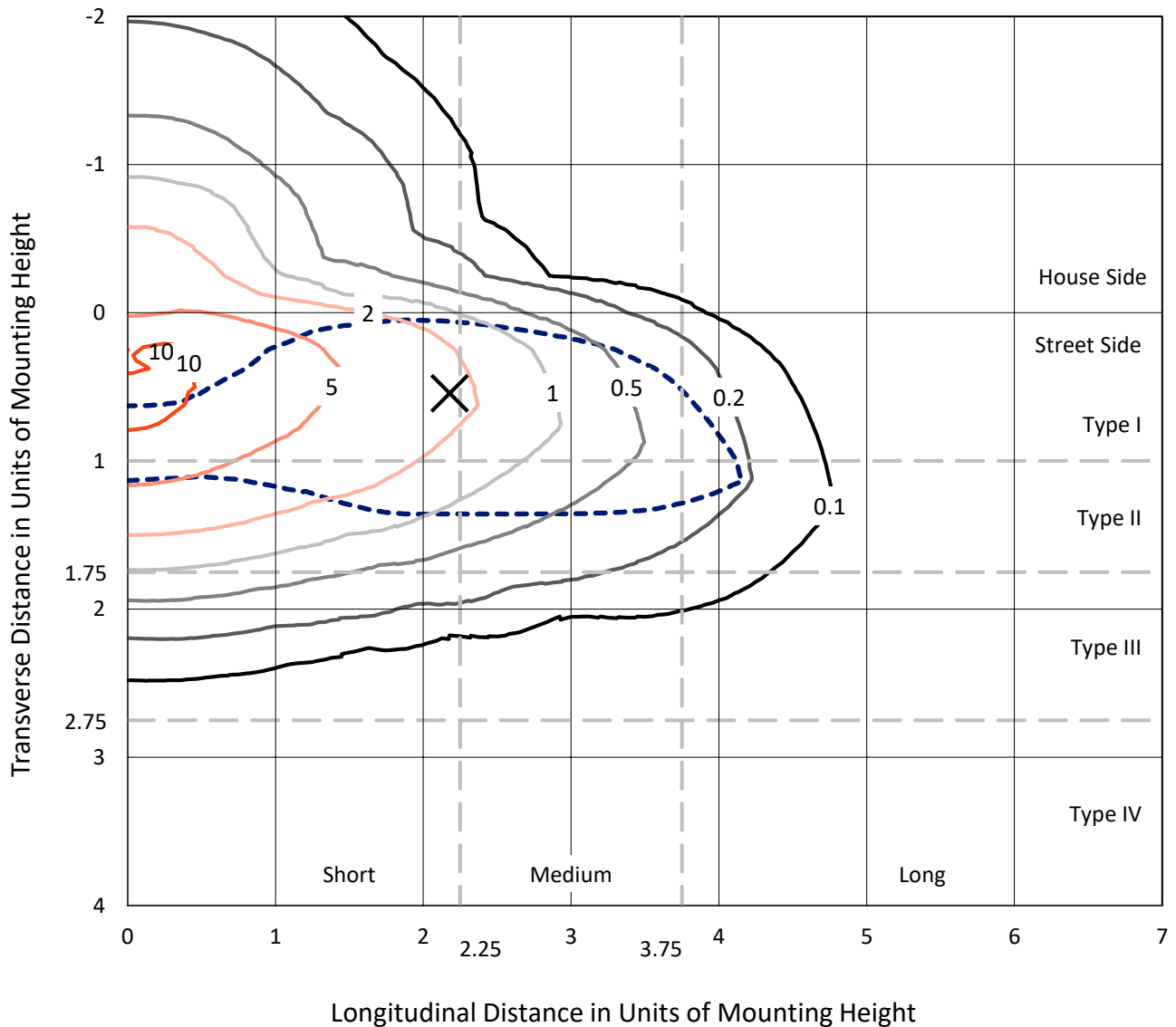
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317430
 CATALOG NUMBER: GAN-SA6A-740-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

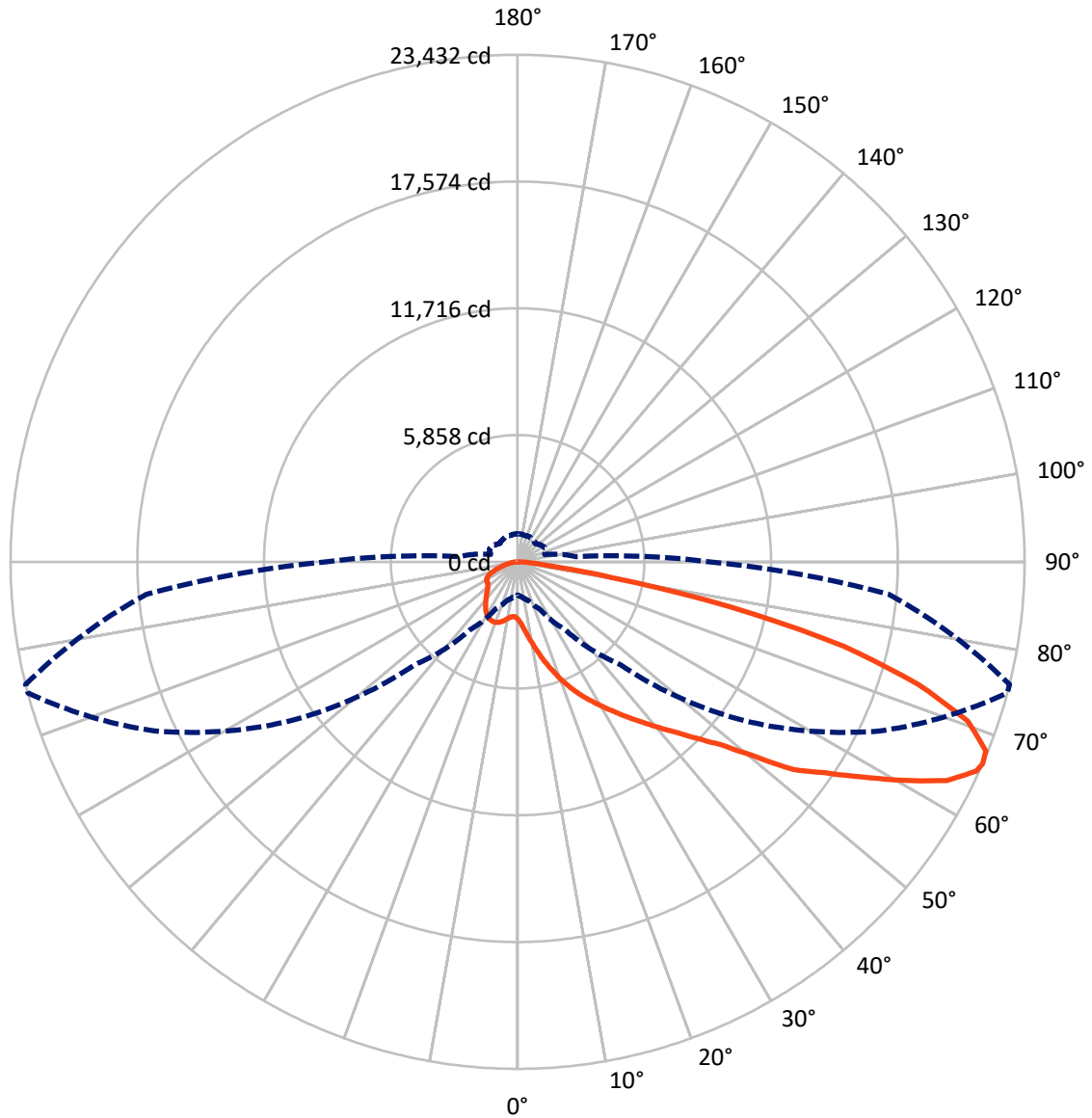
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

REPORT NUMBER: P317430
CATALOG NUMBER: GAN-SA6A-740-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P317430
 CATALOG NUMBER: GAN-SAGA-740-U-T2R

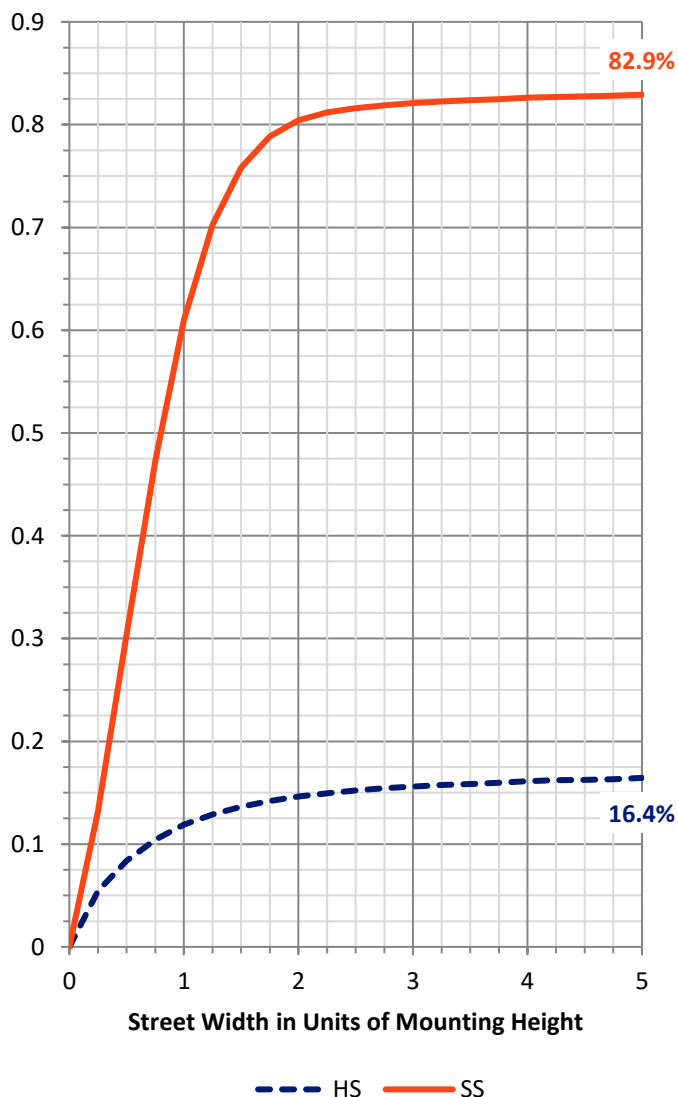
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4886.1	0.0	4886.1
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	24151.9	0.0	24151.9
	% Fixture	83.2	0.0	83.2
Total	Lumens	29038.0	0.0	29038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.7	1.1
10°-20°	1266.3	4.4
20°-30°	2460.8	8.5
30°-40°	4016.6	13.8
40°-50°	5487.6	18.9
50°-60°	6391.9	22.0
60°-70°	5730.5	19.7
70°-80°	2895.9	10.0
80°-90°	467.7	1.6
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°	29038.0	100.0
0°-180°	29038.0	100.0

Coefficient of Utilization



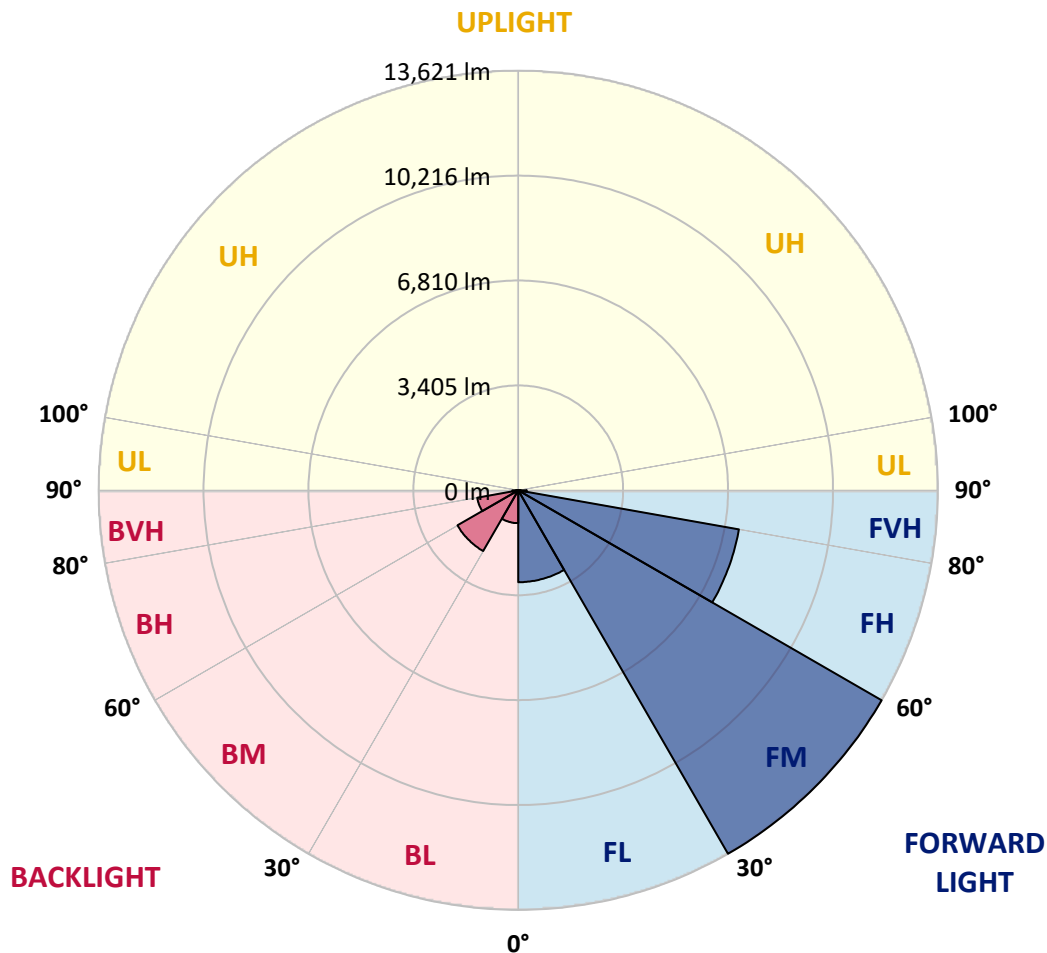
REPORT NUMBER: P317430
 CATALOG NUMBER: GAN-SA6A-740-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2982.1	10.3			
FM (30°-60°)	13620.8	46.9			
FH (60°-80°)	7272.8	25.0			G3/7500
FVH (80°-90°)	276.2	1.0			G3/500
BL (0°-30°)	1065.7	3.7	B3/2500		
BM (30°-60°)	2275.3	7.8	B2/2500		
BH (60°-80°)	1353.7	4.7	B3/2500		G3/2500
BVH (80°-90°)	191.5	0.7			G2/225
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





REPORT NUMBER: P317430
 CATALOG NUMBER: GAN-SA6A-740-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8
2.5°	3520.3	3467.1	3462.2	3384.3	3366.5	3217.7	3108.3	2993.9	2863.8	2838.1	2735.6
5°	4521.9	4517.0	4449.0	4321.8	4222.2	3967.9	3716.5	3450.3	3158.5	3111.2	2880.5
7.5°	5422.9	5415.0	5362.8	5225.8	5081.8	4769.3	4410.5	4002.4	3529.2	3459.2	3076.7
10°	6107.1	6104.1	6086.4	5985.8	5863.6	5563.9	5167.6	4610.6	3960.0	3864.4	3322.2
12.5°	6635.5	6641.4	6653.2	6617.7	6559.6	6304.2	5898.1	5255.3	4419.4	4324.7	3595.2
15°	6993.3	7011.1	7072.2	7122.5	7153.0	6996.3	6602.9	5914.8	4934.0	4820.6	3897.9
17.5°	7173.7	7193.4	7298.9	7450.7	7590.7	7575.0	7262.4	6543.8	5427.9	5318.4	4223.2
20°	7329.5	7344.3	7462.6	7644.9	7892.4	8001.8	7826.3	7149.1	5969.1	5838.9	4568.2
22.5°	7781.0	7799.7	7835.2	7938.7	8157.6	8358.7	8273.9	7721.8	6464.9	6343.7	4895.5
25°	8652.4	8675.1	8598.2	8510.5	8551.9	8691.9	8707.6	8244.3	6967.7	6830.7	5247.5
27.5°	9702.3	9734.9	9603.7	9378.0	9180.8	9126.6	9107.9	8672.2	7447.8	7289.1	5595.4
30°	10730.5	10786.7	10616.2	10323.4	9961.6	9707.3	9519.0	9091.1	7921.0	7769.2	5923.7
32.5°	11735.1	11712.4	11465.0	11179.1	10755.2	10436.8	9981.3	9540.7	8453.3	8278.8	6250.0
35°	12423.2	12431.0	12201.3	11862.2	11458.0	11213.6	10600.4	10025.7	8996.5	8835.8	6620.7
37.5°	13008.7	12972.3	12712.0	12395.6	12047.6	11943.1	11325.0	10560.0	9585.0	9409.5	7015.0
40°	13203.9	13161.5	12991.0	12763.3	12484.3	12475.4	12124.5	11165.3	10250.4	10076.9	7459.6
42.5°	13085.6	13031.4	12961.4	12899.3	12813.5	12853.0	12875.6	11875.0	10981.9	10787.7	7974.2
45°	12648.9	12567.1	12616.4	12751.4	12937.7	13160.5	13553.9	12660.7	11801.1	11638.5	8578.5
47.5°	11977.6	11903.6	12057.4	12346.3	12853.0	13416.9	14195.6	13528.2	12779.0	12617.4	9439.1
50°	11033.2	11054.9	11274.7	11800.1	12566.1	13535.1	14986.3	14676.7	14200.6	14049.7	10613.2
52.5°	9483.5	9487.4	10106.5	10969.1	12057.4	13474.0	15424.9	16144.6	16141.6	15959.3	11731.1
55°	8044.2	8131.9	8621.9	9768.4	11233.3	13229.5	15731.5	16858.3	17416.3	17202.4	12773.1
57.5°	6638.4	6689.7	7154.0	8305.4	10057.2	12577.9	16046.0	17715.0	18885.1	18750.1	14068.5
60°	5039.5	5118.3	5598.4	6662.1	8552.9	11421.6	16075.6	18609.1	20640.9	20504.8	15514.7
62.5°	3270.9	3407.0	3856.5	4853.1	6733.1	9758.5	15389.5	19193.7	22304.9	22256.6	16798.2
65°	1879.9	1982.5	2295.0	3063.9	4645.1	7670.6	13757.9	18968.9	23329.2	23301.6	17278.3
66°	1535.9	1600.0	1839.5	2394.5	3832.8	6736.0	12809.6	18494.7	23430.7	23431.7	17223.1
67.5°	1228.3	1256.9	1364.4	1714.3	2828.3	5339.1	11115.0	17448.8	23304.5	23339.0	16867.2
70°	1016.4	1031.2	1064.7	1149.5	1543.8	3219.6	7889.4	14730.9	22037.7	22064.4	15478.2
72.5°	911.9	920.7	933.6	945.4	1089.3	1799.1	4818.6	11784.4	19321.8	19356.3	13361.6
75°	826.1	831.0	829.1	830.1	913.8	1146.5	2490.2	8798.3	15623.1	15554.1	10235.6
77.5°	725.6	730.5	720.6	722.6	808.4	881.3	1239.2	6159.3	10543.2	10056.2	5767.0
80°	613.2	617.1	613.2	620.1	703.9	665.4	720.6	3465.1	4661.9	4409.5	2050.5
82.5°	463.3	480.1	491.9	519.5	579.7	473.2	482.1	1349.6	1419.6	1351.5	628.9
85°	203.1	247.4	370.7	397.3	435.7	283.9	316.4	550.1	577.7	559.9	228.7
87.5°	53.2	58.2	183.4	230.7	241.5	128.2	164.6	250.4	264.2	250.4	75.9
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: P317430
 CATALOG NUMBER: GAN-SA6A-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8	2651.8
2.5°	2681.4	2633.1	2546.3	2469.4	2411.3	2371.9	2332.4	2312.7	2300.9	2289.0	2291.0
5°	2767.2	2669.6	2520.7	2415.2	2356.1	2318.6	2298.9	2291.0	2286.1	2274.3	2274.3
7.5°	2896.3	2758.3	2553.2	2444.8	2398.5	2369.9	2358.1	2354.1	2348.2	2334.4	2336.4
10°	3059.0	2865.7	2621.3	2515.8	2473.4	2441.8	2425.1	2419.2	2408.3	2392.6	2394.5
12.5°	3250.2	2998.8	2711.0	2600.6	2549.3	2506.9	2479.3	2462.5	2443.8	2423.1	2424.1
15°	3459.2	3143.7	2807.6	2676.5	2606.5	2547.3	2503.0	2474.4	2444.8	2419.2	2418.2
17.5°	3671.2	3283.7	2881.5	2717.9	2623.2	2545.4	2485.2	2440.9	2404.4	2372.8	2369.9
20°	3899.9	3409.9	2922.9	2713.9	2591.7	2499.0	2419.2	2364.0	2323.6	2292.0	2287.1
22.5°	4132.5	3528.2	2929.8	2673.5	2521.7	2408.3	2324.5	2263.4	2222.0	2189.5	2177.7
25°	4345.4	3619.9	2901.2	2595.6	2424.1	2301.9	2220.0	2157.9	2124.4	2086.0	2074.1
27.5°	4539.6	3684.0	2844.1	2496.1	2314.7	2194.4	2117.5	2064.3	2027.8	1998.2	1988.4
30°	4714.1	3718.5	2750.4	2377.8	2202.3	2092.9	2027.8	1991.3	1959.8	1922.3	1915.4
32.5°	4879.8	3718.5	2630.1	2248.6	2090.9	2003.2	1964.7	1942.0	1906.6	1870.1	1860.2
35°	5045.4	3695.8	2488.2	2113.6	1988.4	1939.1	1937.1	1910.5	1856.3	1807.0	1794.2
37.5°	5219.9	3649.5	2328.5	1987.4	1904.6	1910.5	1927.3	1868.1	1791.2	1721.2	1702.5
40°	5417.0	3585.4	2162.9	1878.0	1834.6	1897.7	1900.6	1807.0	1657.1	1593.1	1576.3
42.5°	5648.7	3521.3	2009.1	1781.4	1779.4	1859.2	1850.4	1674.9	1585.2	1552.6	1543.8
45°	5953.3	3484.8	1863.2	1689.7	1736.0	1797.1	1764.6	1601.9	1564.5	1545.7	1537.9
47.5°	6433.4	3503.6	1729.1	1616.7	1692.6	1735.0	1604.9	1572.4	1545.7	1523.1	1515.2
50°	7034.7	3492.7	1620.7	1566.4	1643.3	1670.0	1532.9	1533.9	1520.1	1494.5	1482.7
52.5°	7487.2	3407.9	1550.7	1537.9	1600.0	1554.6	1487.6	1496.5	1489.6	1452.1	1439.3
55°	7923.9	3335.0	1515.2	1527.0	1568.4	1410.7	1434.4	1456.0	1449.1	1412.7	1406.7
57.5°	8467.1	3321.2	1493.5	1530.0	1541.8	1338.7	1383.1	1411.7	1406.7	1391.0	1388.0
60°	9132.5	3325.1	1473.8	1534.9	1512.2	1285.5	1334.8	1371.3	1374.2	1371.3	1369.3
62.5°	9498.3	3217.7	1424.5	1521.1	1460.0	1239.2	1284.5	1337.7	1338.7	1344.6	1343.7
65°	9187.7	2896.3	1332.8	1472.8	1372.2	1200.7	1241.1	1299.3	1284.5	1311.1	1311.1
66°	8886.1	2711.0	1287.5	1441.3	1334.8	1185.9	1227.3	1279.6	1260.8	1297.3	1297.3
67.5°	8269.9	2398.5	1205.6	1374.2	1281.6	1165.2	1211.6	1247.0	1221.4	1275.6	1271.7
70°	7144.2	1855.3	1041.0	1222.4	1193.8	1134.7	1189.9	1182.0	1144.5	1227.3	1211.6
72.5°	6023.3	1409.7	836.0	1023.3	1060.7	1096.2	1159.3	1099.2	1051.9	1110.0	1075.5
75°	4673.7	1059.7	660.5	795.5	896.1	1036.1	1122.8	1003.6	935.5	929.6	910.9
77.5°	2526.6	727.5	523.5	607.3	711.8	961.2	1098.2	901.0	798.5	774.8	760.1
80°	1000.6	473.2	380.5	460.4	497.8	852.7	1039.0	781.7	658.5	634.9	612.2
82.5°	413.1	280.0	245.5	308.6	324.3	729.5	932.6	640.8	508.7	703.9	747.2
85°	177.4	153.8	145.9	159.7	183.4	511.6	742.3	489.0	549.1	489.9	389.4
87.5°	53.2	65.1	62.1	61.1	67.0	122.2	395.3	272.1	403.2	152.8	114.4
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)