

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: P317437

Luminaire Tested: **GAN-SA3B-740-U-T2R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317437
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-SA3B-740-U-T2R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18176 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

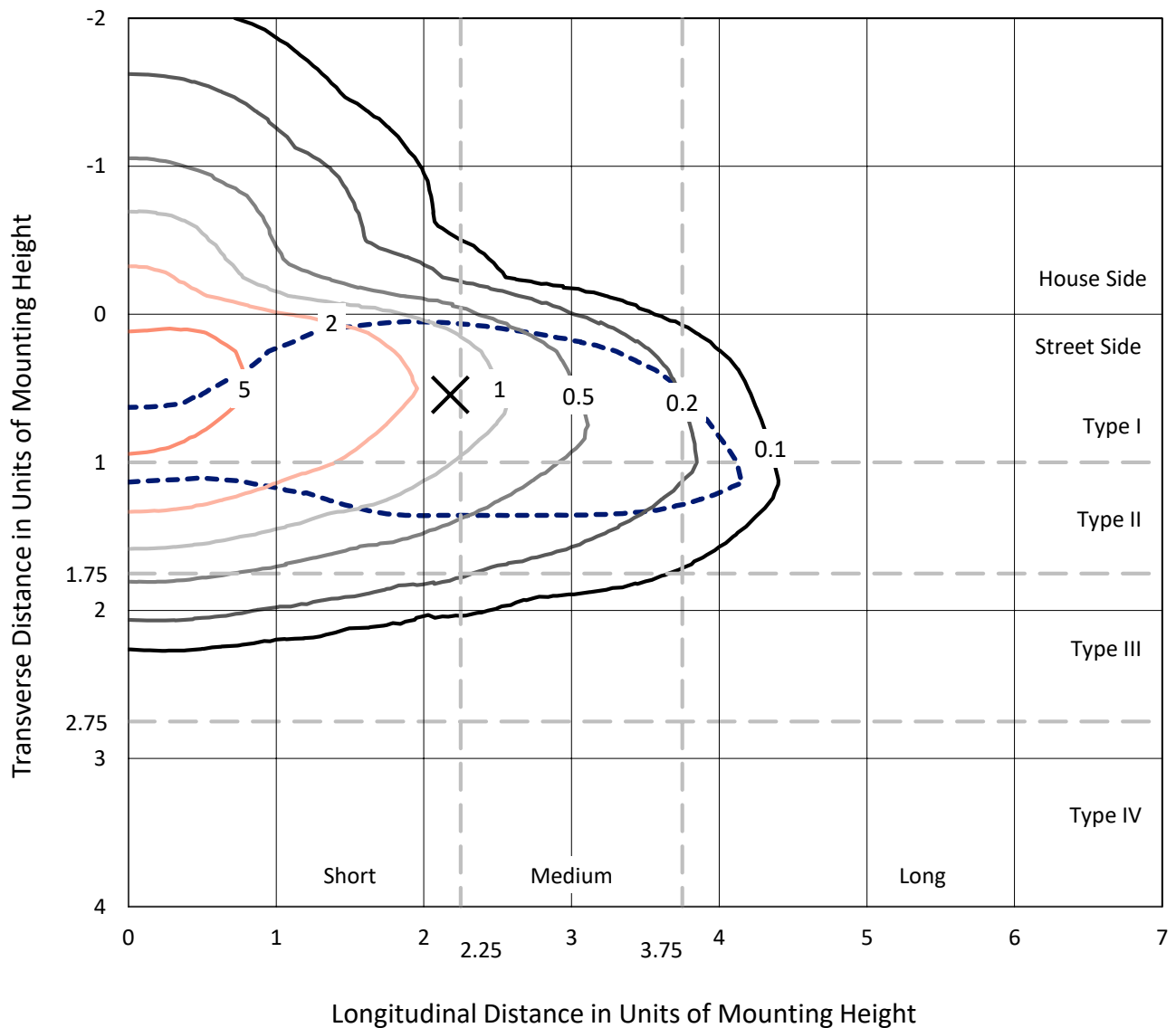
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

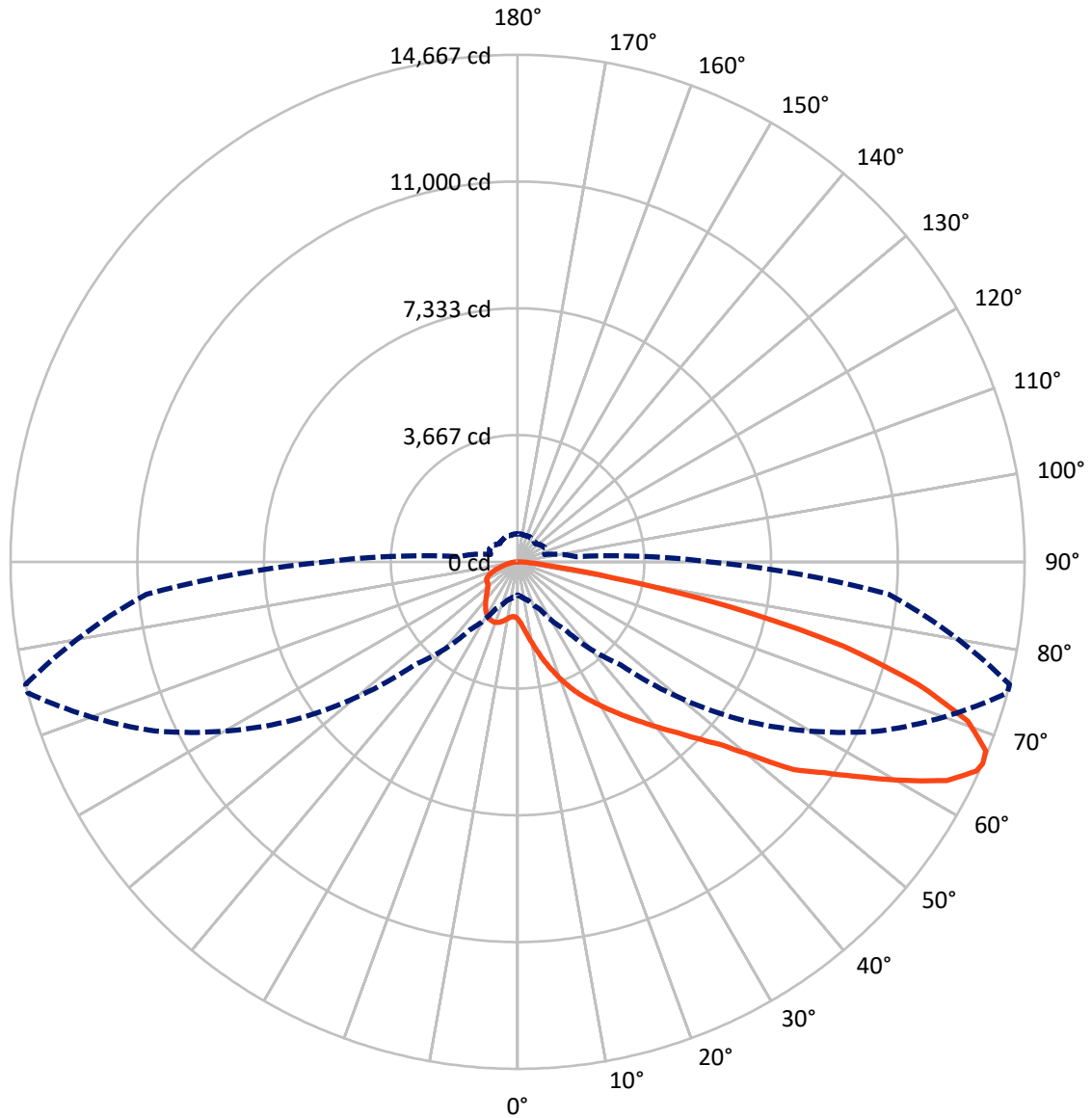
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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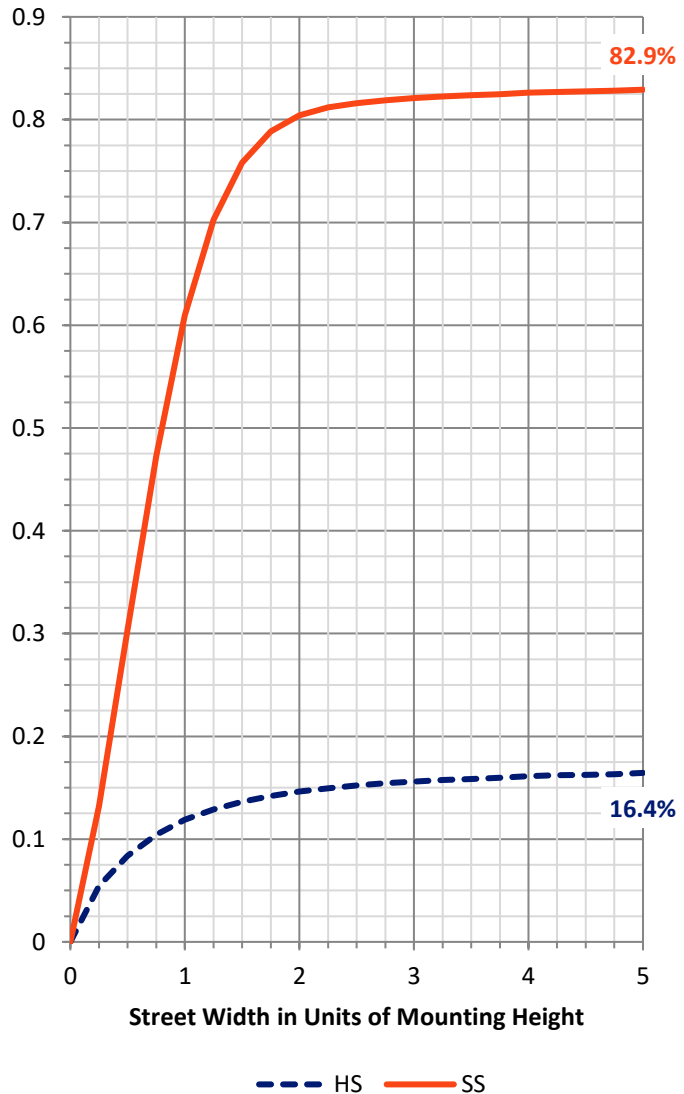
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3058.4	0.0	3058.4
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	15117.6	0.0	15117.6
	% Fixture	83.2	0.0	83.2
Total	Lumens	18176.0	0.0	18176.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	1.1
10°-20°	792.6	4.4
20°-30°	1540.3	8.5
30°-40°	2514.1	13.8
40°-50°	3434.9	18.9
50°-60°	4001.0	22.0
60°-70°	3586.9	19.7
70°-80°	1812.7	10.0
80°-90°	292.7	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°	18176.0	100.0
0°-180°	18176.0	100.0

Coefficient of Utilization



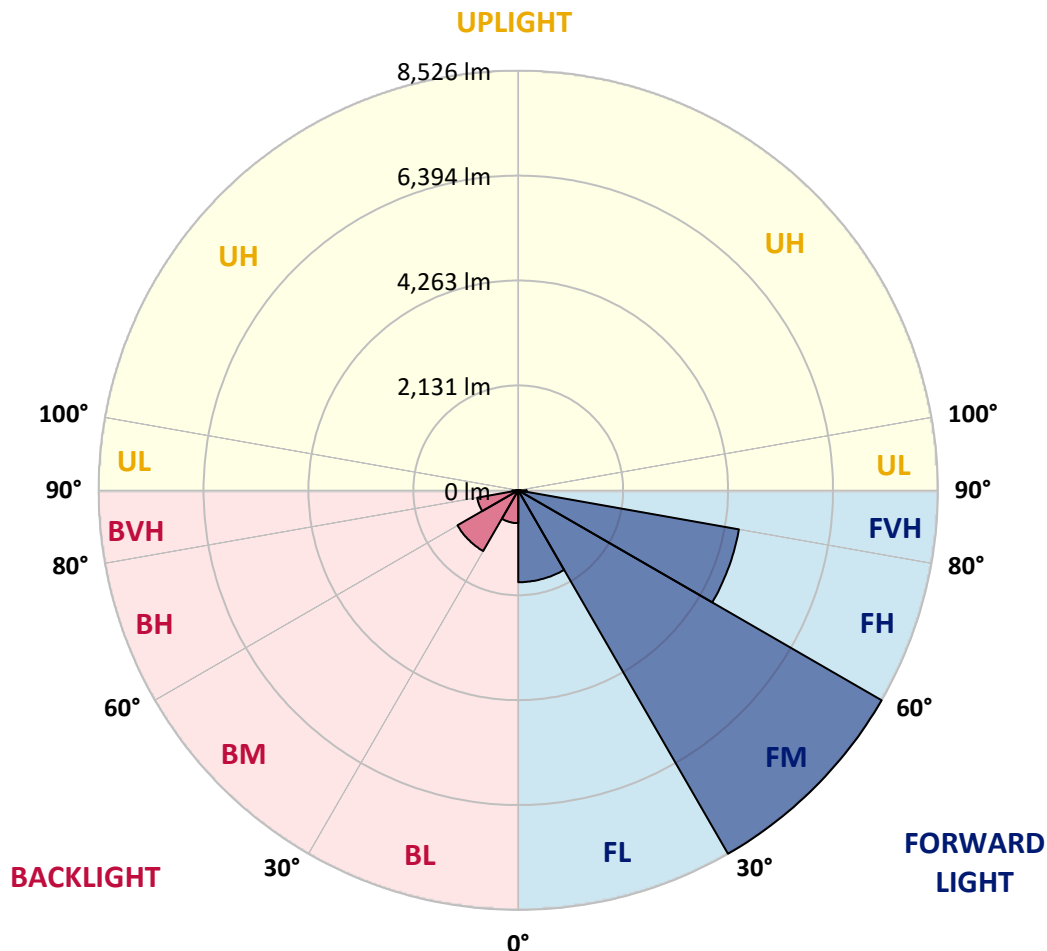
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1866.6	10.3			
FM (30°-60°)	8525.8	46.9			
FH (60°-80°)	4552.3	25.0			G2/5000
FVH (80°-90°)	172.9	1.0			G2/225
BL (0°-30°)	667.1	3.7	B2/1000		
BM (30°-60°)	1424.2	7.8	B2/2500		
BH (60°-80°)	847.3	4.7	B2/1000		G2/1000
BVH (80°-90°)	119.9	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9
2.5°	2203.5	2170.2	2167.1	2118.4	2107.2	2014.1	1945.6	1874.0	1792.5	1776.5	1712.3
5°	2830.4	2827.3	2784.8	2705.2	2642.8	2483.6	2326.3	2159.7	1977.0	1947.4	1803.0
7.5°	3394.4	3389.5	3356.8	3271.0	3180.9	2985.3	2760.7	2505.2	2209.1	2165.2	1925.8
10°	3822.7	3820.8	3809.7	3746.8	3670.2	3482.7	3234.6	2886.0	2478.7	2418.9	2079.5
12.5°	4153.4	4157.1	4164.5	4142.3	4105.9	3946.1	3691.8	3289.5	2766.3	2707.0	2250.4
15°	4377.4	4388.5	4426.8	4458.2	4477.4	4379.2	4133.0	3702.3	3088.4	3017.4	2439.8
17.5°	4490.3	4502.7	4568.7	4663.7	4751.3	4741.5	4545.8	4096.0	3397.5	3329.0	2643.5
20°	4587.8	4597.1	4671.1	4785.3	4940.1	5008.6	4898.8	4474.9	3736.3	3654.8	2859.4
22.5°	4870.4	4882.1	4904.4	4969.1	5106.1	5232.0	5178.9	4833.4	4046.6	3970.8	3064.3
25°	5415.9	5430.1	5382.0	5327.0	5353.0	5440.6	5450.4	5160.4	4361.3	4275.6	3284.6
27.5°	6073.1	6093.4	6011.4	5870.0	5746.6	5712.7	5701.0	5428.2	4661.9	4562.5	3502.4
30°	6716.6	6751.8	6645.1	6461.8	6235.3	6076.1	5958.3	5690.5	4958.0	4863.0	3707.9
32.5°	7345.4	7331.2	7176.4	6997.4	6732.1	6532.8	6247.7	5971.9	5291.2	5182.0	3912.1
35°	7776.1	7781.1	7637.3	7425.0	7172.0	7019.0	6635.2	6275.5	5631.2	5530.7	4144.1
37.5°	8142.7	8119.8	7956.9	7758.9	7541.0	7475.6	7088.7	6609.9	5999.6	5889.8	4391.0
40°	8264.8	8238.3	8131.6	7989.0	7814.4	7808.8	7589.2	6988.8	6416.1	6307.5	4669.3
42.5°	8190.8	8156.9	8113.0	8074.2	8020.5	8045.2	8059.4	7433.0	6874.0	6752.4	4991.4
45°	7917.4	7866.2	7897.1	7981.6	8098.2	8237.7	8483.9	7924.8	7386.8	7285.0	5369.6
47.5°	7497.2	7450.9	7547.2	7728.0	8045.2	8398.1	8885.6	8467.8	7998.9	7897.7	5908.3
50°	6906.1	6919.7	7057.3	7386.2	7865.6	8472.2	9380.5	9186.7	8888.7	8794.3	6643.2
52.5°	5936.1	5938.5	6326.1	6866.0	7547.2	8433.9	9655.1	10105.5	10103.7	9989.5	7343.0
55°	5035.2	5090.1	5396.8	6114.4	7031.3	8280.9	9847.0	10552.3	10901.5	10767.6	7995.2
57.5°	4155.3	4187.3	4478.0	5198.7	6295.2	7873.0	10043.8	11088.5	11820.9	11736.4	8806.0
60°	3154.4	3203.8	3504.3	4170.1	5353.6	7149.2	10062.3	11648.2	12919.9	12834.8	9711.2
62.5°	2047.4	2132.5	2413.9	3037.8	4214.5	6108.2	9632.9	12014.1	13961.5	13931.3	10514.6
65°	1176.7	1240.9	1436.5	1917.8	2907.6	4801.3	8611.6	11873.4	14602.6	14585.3	10815.1
66°	961.4	1001.5	1151.4	1498.8	2399.1	4216.3	8018.0	11576.6	14666.2	14666.8	10780.6
67.5°	768.9	786.7	854.0	1073.1	1770.3	3342.0	6957.3	10921.9	14587.2	14608.8	10557.8
70°	636.2	645.4	666.4	719.5	966.3	2015.3	4938.3	9220.7	13794.3	13810.9	9688.4
72.5°	570.8	576.3	584.4	591.8	681.8	1126.1	3016.2	7376.3	12094.3	12115.9	8363.6
75°	517.1	520.2	518.9	519.6	572.0	717.6	1558.7	5507.2	9779.1	9735.9	6406.9
77.5°	454.2	457.2	451.1	452.3	506.0	551.6	775.6	3855.4	6599.4	6294.6	3609.8
80°	383.8	386.3	383.8	388.1	440.6	416.5	451.1	2168.9	2918.1	2760.1	1283.5
82.5°	290.0	300.5	307.9	325.2	362.8	296.2	301.7	844.7	888.6	846.0	393.7
85°	127.1	154.9	232.0	248.7	272.7	177.7	198.1	344.3	361.6	350.5	143.2
87.5°	33.3	36.4	114.8	144.4	151.2	80.2	103.0	156.7	165.4	156.7	47.5
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°	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9	1659.9
2.5°	1678.4	1648.2	1593.9	1545.7	1509.3	1484.6	1460.0	1447.6	1440.2	1432.8	1434.0
5°	1732.1	1671.0	1577.8	1511.8	1474.8	1451.3	1439.0	1434.0	1431.0	1423.5	1423.5
7.5°	1812.9	1726.5	1598.2	1530.3	1501.3	1483.4	1476.0	1473.5	1469.8	1461.2	1462.4
10°	1914.7	1793.8	1640.8	1574.7	1548.2	1528.4	1518.0	1514.3	1507.5	1497.6	1498.8
12.5°	2034.4	1877.1	1696.9	1627.8	1595.7	1569.2	1551.9	1541.4	1529.7	1516.7	1517.3
15°	2165.2	1967.8	1757.4	1675.3	1631.5	1594.5	1566.7	1548.8	1530.3	1514.3	1513.6
17.5°	2297.9	2055.4	1803.7	1701.2	1642.0	1593.2	1555.6	1527.8	1505.0	1485.3	1483.4
20°	2441.1	2134.4	1829.6	1698.8	1622.2	1564.2	1514.3	1479.7	1454.4	1434.7	1431.6
22.5°	2586.7	2208.4	1833.9	1673.5	1578.4	1507.5	1455.0	1416.8	1390.8	1370.5	1363.1
25°	2720.0	2265.8	1816.0	1624.7	1517.3	1440.8	1389.6	1350.7	1329.8	1305.7	1298.3
27.5°	2841.5	2305.9	1780.2	1562.4	1448.8	1373.6	1325.4	1292.1	1269.3	1250.8	1244.6
30°	2950.8	2327.5	1721.6	1488.3	1378.5	1310.0	1269.3	1246.5	1226.7	1203.3	1198.9
32.5°	3054.4	2327.5	1646.3	1407.5	1308.8	1253.9	1229.8	1215.6	1193.4	1170.6	1164.4
35°	3158.1	2313.3	1557.4	1323.0	1244.6	1213.7	1212.5	1195.9	1161.9	1131.1	1123.0
37.5°	3267.3	2284.3	1457.5	1244.0	1192.2	1195.9	1206.3	1169.3	1121.2	1077.4	1065.7
40°	3390.7	2244.2	1353.8	1175.5	1148.3	1187.8	1189.7	1131.1	1037.3	997.2	986.7
42.5°	3535.7	2204.1	1257.6	1115.0	1113.8	1163.8	1158.2	1048.4	992.2	971.9	966.3
45°	3726.4	2181.3	1166.2	1057.6	1086.6	1124.9	1104.5	1002.7	979.3	967.5	962.6
47.5°	4026.9	2193.0	1082.3	1012.0	1059.5	1086.0	1004.6	984.2	967.5	953.4	948.4
50°	4403.3	2186.2	1014.4	980.5	1028.6	1045.3	959.5	960.1	951.5	935.5	928.1
52.5°	4686.5	2133.2	970.6	962.6	1001.5	973.1	931.1	936.7	932.4	908.9	900.9
55°	4959.9	2087.5	948.4	955.8	981.7	883.0	897.8	911.4	907.1	884.2	880.5
57.5°	5299.9	2078.9	934.8	957.7	965.1	838.0	865.7	883.6	880.5	870.7	868.8
60°	5716.4	2081.3	922.5	960.8	946.6	804.6	835.5	858.3	860.2	858.3	857.1
62.5°	5945.3	2014.1	891.6	952.1	913.9	775.6	804.0	837.3	838.0	841.7	841.0
65°	5751.0	1812.9	834.3	921.9	858.9	751.6	776.9	813.3	804.0	820.7	820.7
66°	5562.1	1696.9	805.9	902.1	835.5	742.3	768.2	800.9	789.2	812.0	812.0
67.5°	5176.5	1501.3	754.7	860.2	802.2	729.4	758.4	780.6	764.5	798.5	796.0
70°	4471.8	1161.3	651.6	765.1	747.3	710.2	744.8	739.8	716.4	768.2	758.4
72.5°	3770.2	882.4	523.3	640.5	664.0	686.2	725.7	688.0	658.4	694.8	673.2
75°	2925.5	663.3	413.4	498.0	560.9	648.5	702.8	628.2	585.6	581.9	570.2
77.5°	1581.5	455.4	327.7	380.1	445.5	601.6	687.4	564.0	499.8	485.0	475.7
80°	626.3	296.2	238.2	288.2	311.6	533.8	650.4	489.3	412.2	397.4	383.2
82.5°	258.5	175.2	153.6	193.1	203.0	456.6	583.7	401.1	318.4	440.6	467.7
85°	111.1	96.3	91.3	100.0	114.8	320.3	464.6	306.1	343.7	306.7	243.7
87.5°	33.3	40.7	38.9	38.3	42.0	76.5	247.4	170.3	252.4	95.6	71.6
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)