

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: P318087

Luminaire Tested: **GAN-SA3C-740-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318087
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-SA3C-740-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21190 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

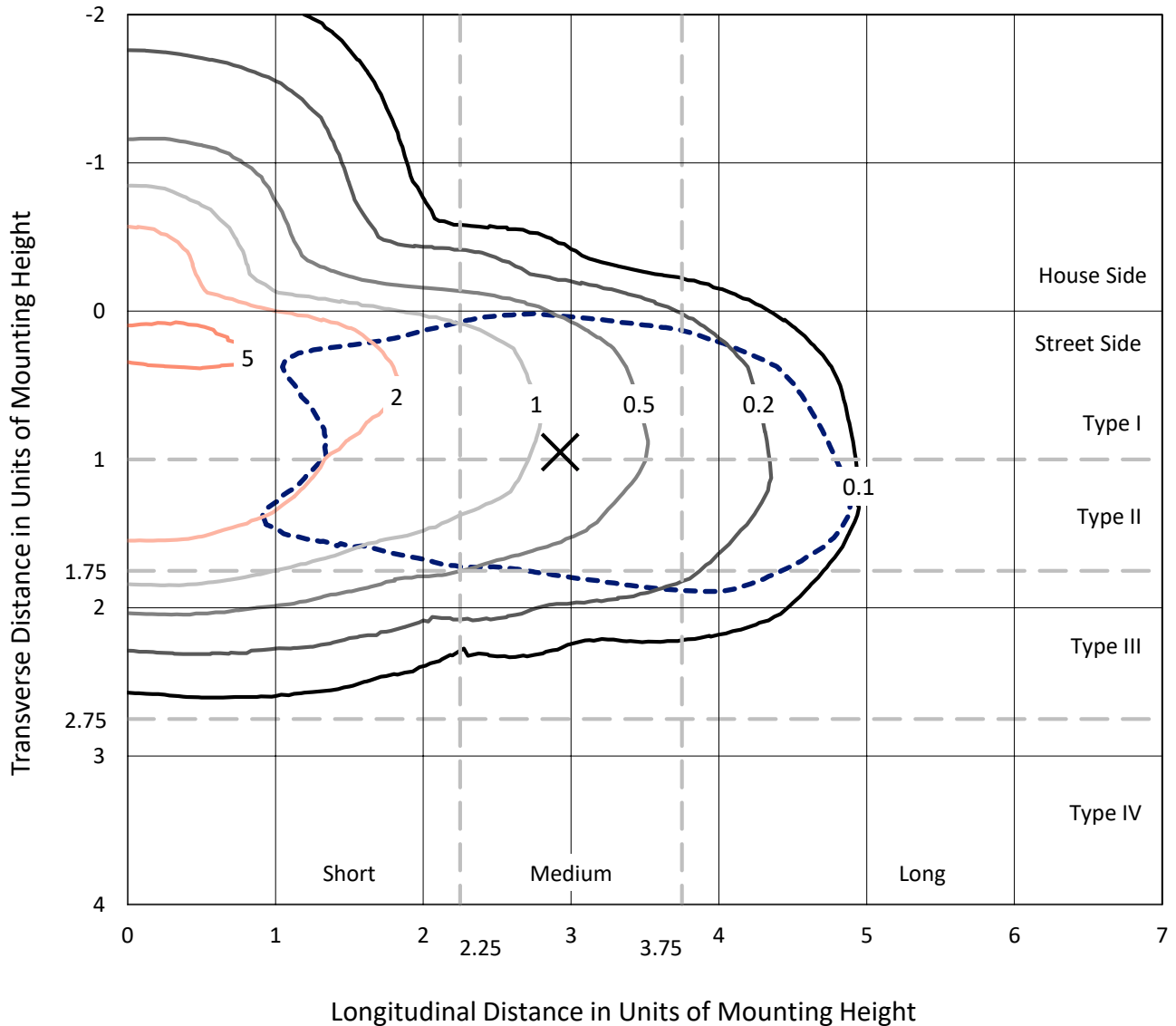
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

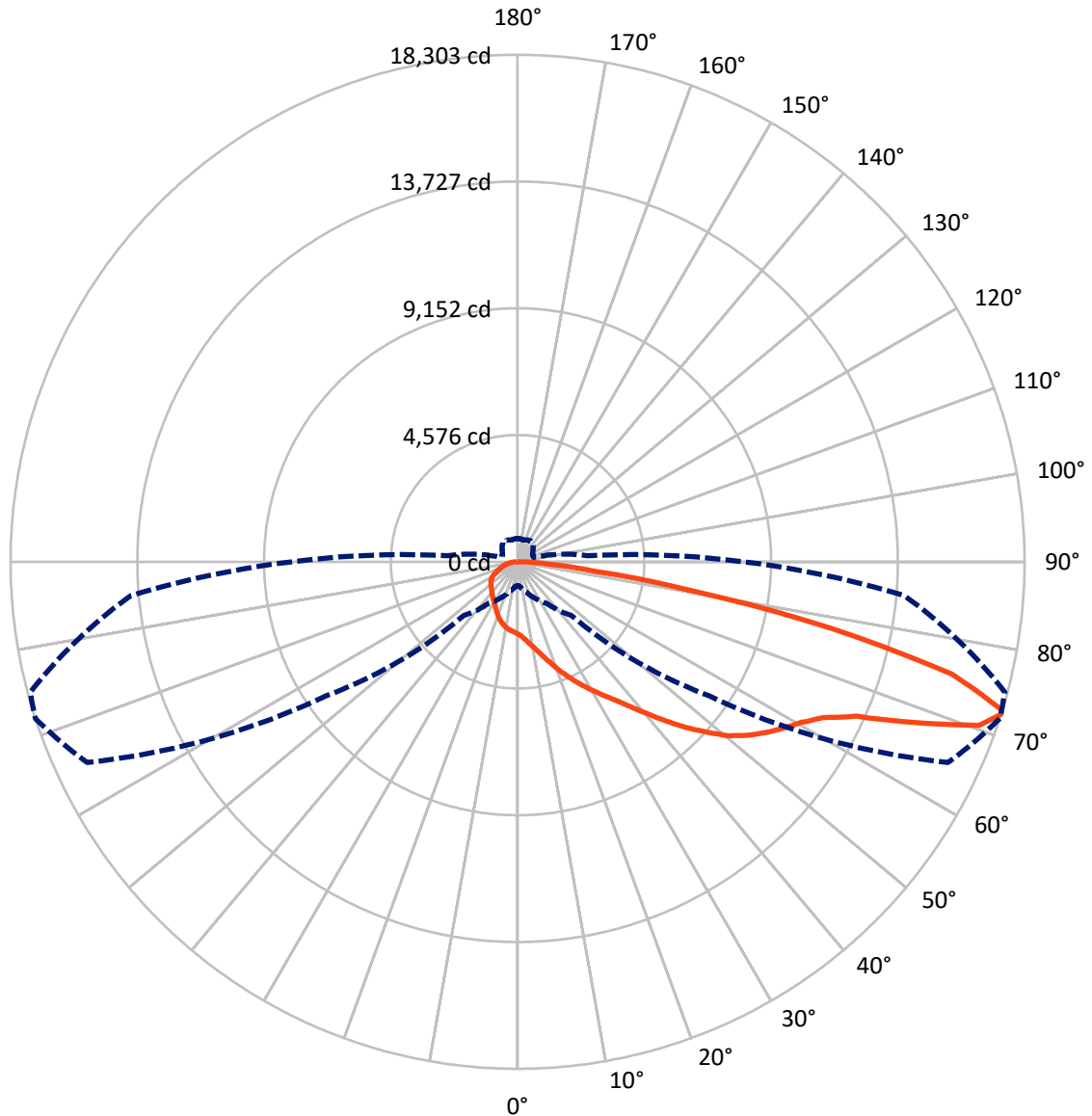
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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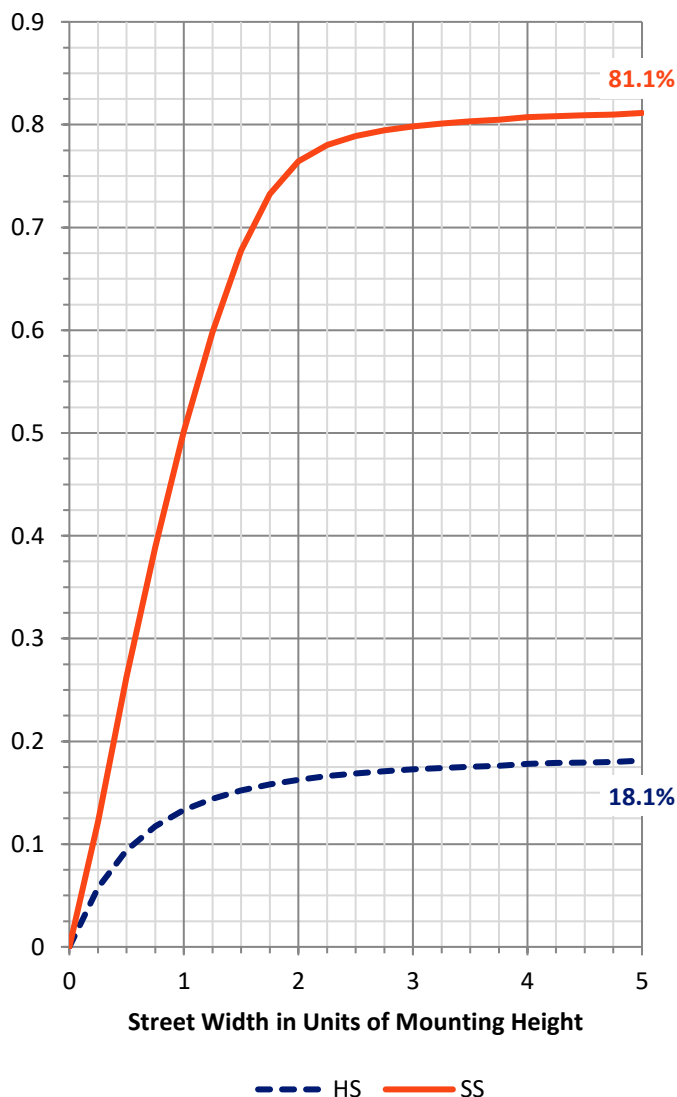
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3930.9	0.0	3930.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	17259.1	0.0	17259.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	21190.0	0.0	21190.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.2	1.2
10°-20°	844.1	4.0
20°-30°	1479.2	7.0
30°-40°	2193.2	10.4
40°-50°	3207.7	15.1
50°-60°	4413.8	20.8
60°-70°	4913.9	23.2
70°-80°	3329.6	15.7
80°-90°	547.3	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°	21190.0	100.0
0°-180°	21190.0	100.0

Coefficient of Utilization

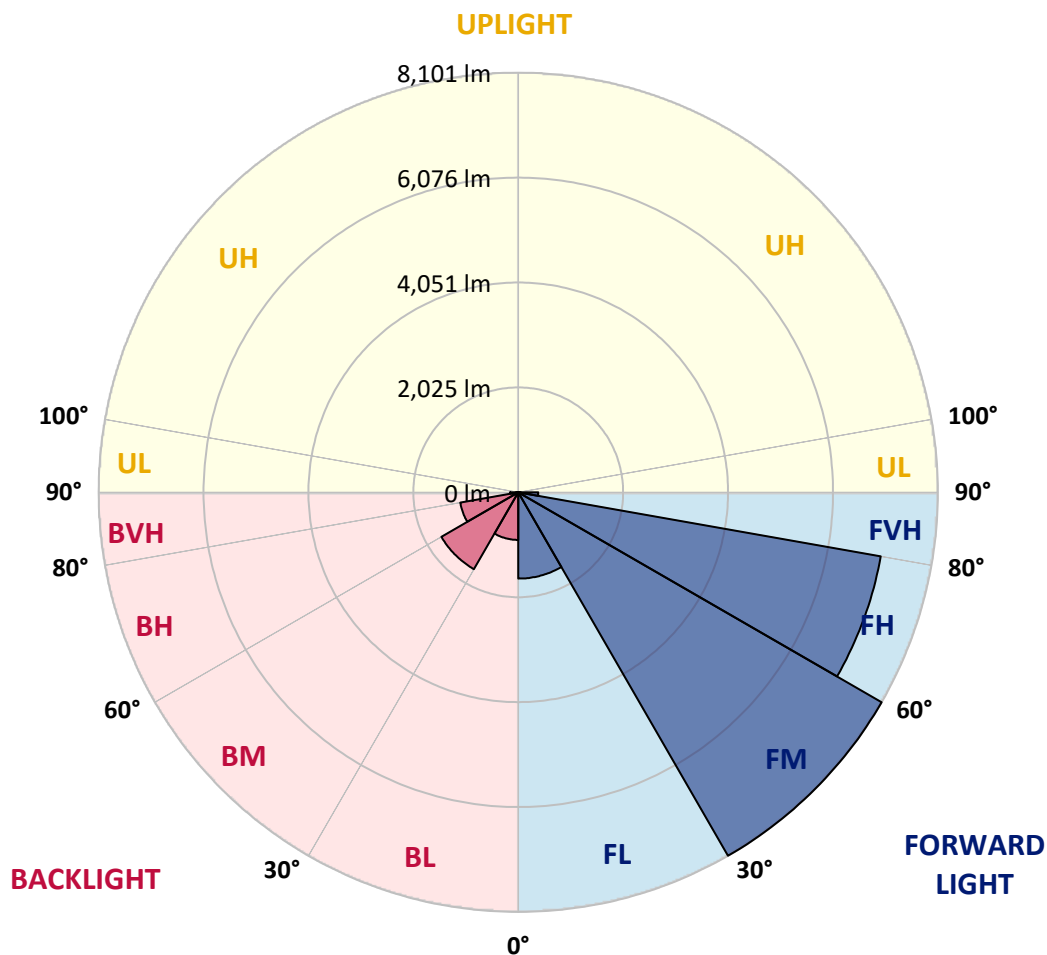


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1665.7	7.9			
FM (30°-60°)	8101.2	38.2			
FH (60°-80°)	7106.2	33.5			G3/7500
FVH (80°-90°)	386.0	1.8			G3/500
BL (0°-30°)	918.9	4.3	B2/1000		
BM (30°-60°)	1713.5	8.1	B2/2500		
BH (60°-80°)	1137.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	161.2	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-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9
2.5°	2879.8	2875.4	2860.1	2860.1	2830.9	2806.1	2759.4	2728.0	2690.8	2677.7	2633.9
5°	3158.5	3160.0	3141.0	3127.9	3084.8	3032.3	2952.8	2880.5	2808.3	2779.1	2689.4
7.5°	3392.7	3389.8	3384.7	3373.8	3333.6	3279.6	3172.4	3065.1	2958.6	2914.8	2760.1
10°	3543.0	3549.6	3554.0	3559.1	3542.3	3503.6	3402.2	3271.6	3132.2	3072.4	2844.8
12.5°	3618.9	3630.6	3651.0	3686.0	3713.8	3709.4	3635.7	3497.1	3331.4	3256.3	2950.6
15°	3663.4	3678.7	3710.8	3773.6	3851.7	3896.2	3876.5	3751.0	3566.4	3473.7	3079.7
17.5°	3691.1	3703.5	3753.2	3837.1	3953.1	4071.3	4123.1	4018.0	3832.0	3726.2	3227.8
20°	3710.1	3719.6	3781.6	3880.1	4030.4	4218.6	4363.1	4336.8	4124.5	3987.4	3382.5
22.5°	3752.4	3760.4	3819.5	3918.8	4085.1	4328.1	4594.4	4633.8	4433.2	4277.7	3548.1
25°	3870.6	3870.6	3920.2	3989.5	4145.7	4422.9	4789.9	4964.3	4748.3	4567.4	3701.3
27.5°	4096.1	4093.9	4112.1	4136.2	4254.4	4519.2	4964.3	5256.2	5075.2	4877.5	3850.2
30°	4363.1	4377.7	4379.9	4368.2	4423.7	4639.6	5125.6	5564.1	5404.3	5191.2	4002.7
32.5°	4706.8	4716.2	4705.3	4666.6	4658.6	4810.4	5283.9	5886.6	5760.3	5518.8	4142.0
35°	5143.1	5124.8	5090.5	5011.7	4936.6	5038.7	5464.8	6209.0	6160.2	5915.0	4333.9
37.5°	5610.8	5611.5	5569.2	5390.4	5286.8	5330.6	5714.4	6574.6	6643.9	6386.3	4579.8
40°	5985.8	6005.5	6031.7	5796.8	5662.6	5723.1	6031.7	6998.5	7215.9	6945.2	4900.1
42.5°	6247.7	6270.3	6344.8	6197.4	6058.0	6170.4	6405.3	7450.9	7858.0	7590.2	5275.1
45°	6525.0	6537.4	6589.9	6526.4	6437.4	6690.6	6826.3	7919.3	8537.3	8277.5	5694.7
47.5°	6816.8	6829.9	6883.9	6841.6	6794.9	7176.5	7265.5	8360.7	9188.1	9032.7	6142.6
50°	7177.2	7186.0	7237.1	7160.5	7175.1	7542.8	7658.1	8765.6	9870.3	9711.2	6592.1
52.5°	7669.0	7671.2	7742.0	7672.7	7604.1	7811.3	7995.9	9147.2	10405.1	10329.9	7041.5
55°	8054.2	8077.6	8309.6	8295.0	8255.6	8055.0	8278.2	9510.6	10882.2	10918.0	7518.7
57.5°	7808.4	7899.6	8369.4	8700.7	9023.2	8661.3	8659.8	9919.9	11325.9	11495.1	8043.3
60°	6838.7	6962.7	7655.1	8389.9	9398.9	9716.3	9452.2	10419.7	11773.8	12067.1	8700.7
62.5°	4884.1	5088.4	6026.6	7199.9	8883.8	10415.3	11064.6	11212.8	12383.1	12729.6	9555.1
65°	2469.0	2623.7	3410.2	4823.5	7097.7	9958.5	12817.2	12949.2	13441.7	13749.6	10870.6
67.5°	1500.1	1558.5	1942.2	2682.8	4351.4	7757.3	13389.2	15843.6	15490.5	15653.9	12746.4
70°	1105.4	1148.4	1387.7	1781.7	2502.6	4552.1	11633.7	17909.2	17677.2	17658.9	14132.7
72°	860.9	892.3	1103.9	1439.5	1829.9	2731.0	8432.2	17146.7	18303.2	18211.2	14005.7
72.5°	816.4	844.2	1036.8	1354.9	1729.2	2475.6	7581.5	16632.4	18257.9	18216.4	13841.6
75°	642.8	662.5	767.6	1047.7	1353.4	1404.5	4154.4	12889.4	16196.8	16870.2	12449.5
77.5°	531.9	534.8	590.3	762.5	1055.0	993.0	2040.7	8942.9	11598.0	12338.6	8818.9
80°	433.4	437.0	463.3	534.8	798.2	734.7	968.9	5142.3	6493.6	6501.6	4193.8
82.5°	345.1	345.8	375.0	391.1	573.5	525.3	555.2	2414.3	2837.5	2729.5	1507.4
85°	243.0	237.9	366.3	321.0	375.0	337.1	306.4	955.8	1173.2	1122.2	472.1
87.5°	81.0	83.9	162.7	207.9	218.9	191.2	136.4	366.3	442.9	439.2	149.6
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°	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9	2606.9
2.5°	2620.1	2596.7	2562.4	2524.5	2494.6	2463.9	2441.3	2429.6	2416.5	2405.5	2418.7
5°	2647.8	2604.0	2531.0	2459.5	2407.0	2360.3	2326.7	2309.2	2293.2	2282.2	2283.7
7.5°	2693.0	2622.2	2499.7	2395.3	2322.4	2272.0	2237.7	2226.1	2215.8	2212.9	2216.6
10°	2741.2	2636.8	2458.1	2319.5	2236.3	2194.7	2179.4	2187.4	2194.7	2201.3	2208.6
12.5°	2795.9	2650.0	2397.5	2230.4	2159.7	2143.6	2158.9	2194.0	2219.5	2234.8	2244.3
15°	2867.4	2661.6	2327.5	2141.4	2094.0	2112.2	2164.0	2224.6	2269.1	2297.6	2301.9
17.5°	2933.1	2660.9	2237.7	2051.7	2040.7	2094.0	2172.1	2257.4	2317.3	2357.4	2365.4
20°	3000.9	2641.2	2133.4	1964.1	1986.7	2074.3	2175.7	2278.6	2350.8	2397.5	2408.5
22.5°	3064.4	2606.9	2018.9	1884.6	1941.5	2048.0	2161.9	2266.2	2338.4	2376.4	2388.0
25°	3107.4	2547.1	1902.8	1817.5	1901.4	2015.9	2116.6	2200.5	2254.5	2273.5	2276.4
27.5°	3129.3	2469.0	1793.4	1759.1	1859.8	1963.4	2032.7	2074.3	2089.6	2088.2	2085.2
30°	3132.2	2366.1	1699.3	1711.7	1811.6	1886.1	1918.9	1910.9	1891.2	1857.6	1860.5
32.5°	3122.8	2250.1	1620.5	1666.4	1750.4	1791.9	1793.4	1754.7	1702.2	1648.9	1634.3
35°	3125.7	2136.3	1551.2	1615.4	1675.9	1694.2	1677.4	1620.5	1549.0	1480.4	1465.8
37.5°	3157.8	2037.1	1491.3	1556.3	1593.5	1597.9	1573.8	1514.0	1461.4	1394.3	1388.5
40°	3234.4	1966.3	1434.4	1489.9	1511.0	1513.2	1478.9	1436.6	1441.0	1405.2	1404.5
42.5°	3372.3	1935.7	1384.1	1420.6	1433.7	1438.1	1411.8	1384.8	1422.8	1399.4	1391.4
45°	3550.3	1943.0	1341.8	1352.7	1376.8	1397.2	1381.2	1348.3	1362.9	1261.5	1227.9
47.5°	3756.1	1989.7	1308.2	1294.3	1335.9	1374.6	1349.8	1300.2	1248.4	1147.7	1128.7
50°	3996.8	2061.9	1277.6	1236.7	1291.4	1344.0	1319.1	1248.4	1170.3	1121.4	1114.9
52.5°	4247.8	2150.2	1246.9	1173.2	1235.2	1320.6	1308.2	1236.7	1140.4	1092.2	1083.5
55°	4532.4	2239.2	1208.2	1099.5	1174.7	1309.7	1303.1	1194.4	1117.8	1090.8	1084.2
57.5°	4886.2	2340.6	1157.2	1022.9	1117.8	1270.3	1249.8	1168.8	1094.4	1074.0	1071.8
60°	5347.4	2490.2	1083.5	941.2	1048.5	1209.7	1205.3	1131.6	1057.2	1042.6	1039.7
62.5°	6039.0	2737.5	982.1	859.5	971.1	1106.8	1147.0	1081.3	1017.8	1017.1	1018.5
65°	7111.6	3109.6	871.9	788.0	893.1	1020.0	1079.1	1029.5	977.7	992.3	994.5
67.5°	8354.8	3418.3	763.9	717.9	813.5	937.6	1017.8	977.7	924.4	962.4	963.1
70°	8768.5	3142.5	669.1	648.6	731.1	858.0	951.4	920.8	866.8	904.7	901.1
72°	8160.0	2536.9	607.8	596.1	669.1	792.4	892.3	867.5	814.3	839.8	830.3
72.5°	7968.2	2418.7	592.4	583.0	652.3	775.6	877.0	854.4	801.1	823.0	814.3
75°	7107.9	2100.6	509.3	511.5	569.1	693.9	790.9	783.6	728.9	731.1	728.2
77.5°	5155.5	1540.2	429.0	443.6	484.5	610.0	704.1	699.7	639.9	628.9	626.7
80°	2392.4	785.8	349.5	356.1	398.4	510.0	600.5	594.6	546.5	532.6	524.6
82.5°	819.4	373.6	262.7	267.0	308.6	410.8	520.9	517.3	477.2	450.2	433.4
85°	292.6	186.1	183.9	179.5	220.3	323.2	453.8	434.1	375.0	319.6	318.1
87.5°	94.9	79.5	94.9	94.1	128.4	218.9	329.8	280.9	272.1	226.2	221.8
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)