

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: P318126

Luminaire Tested: **GAN-SA2C-750-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318126
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-SA2C-750-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14201 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

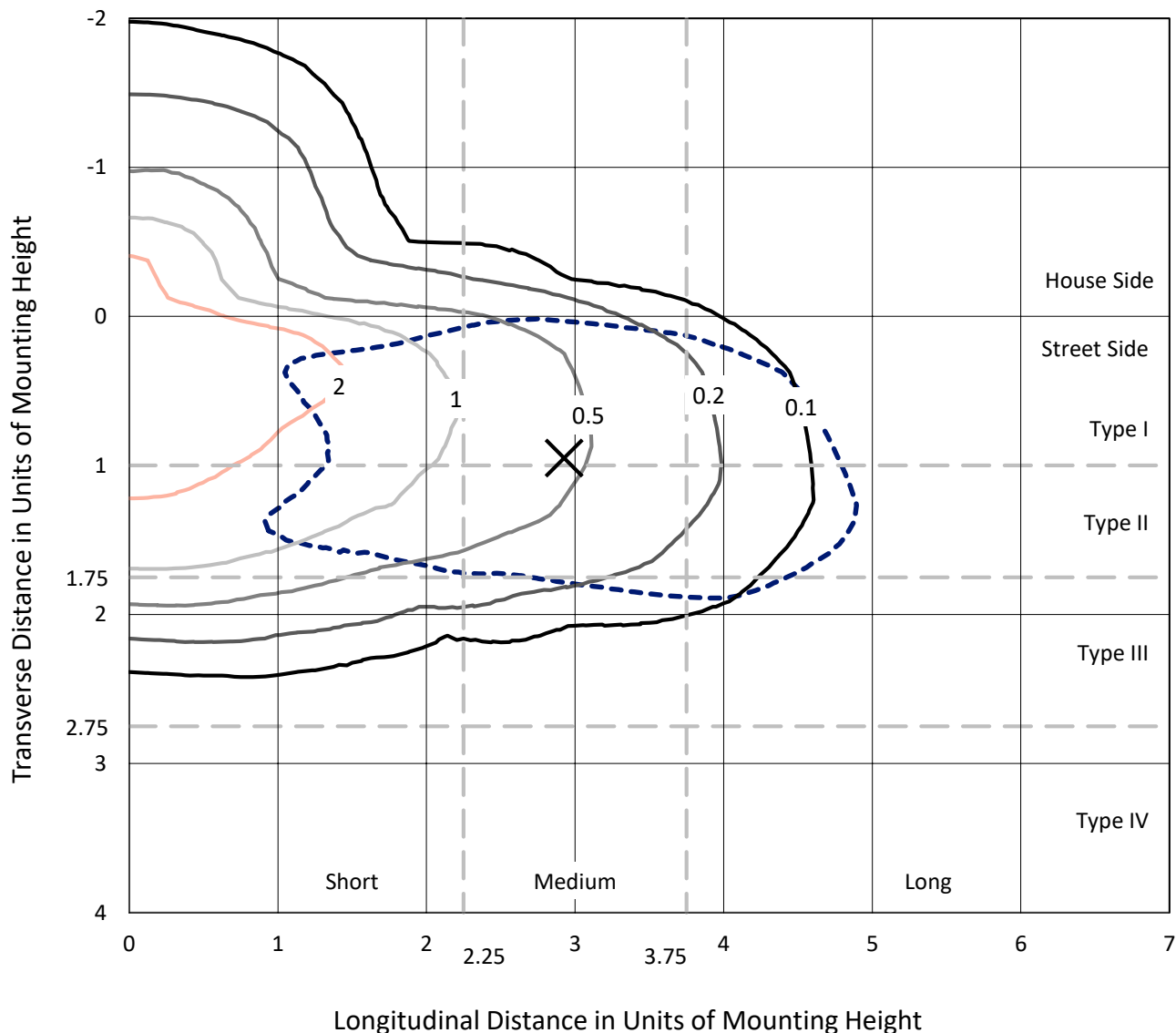
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

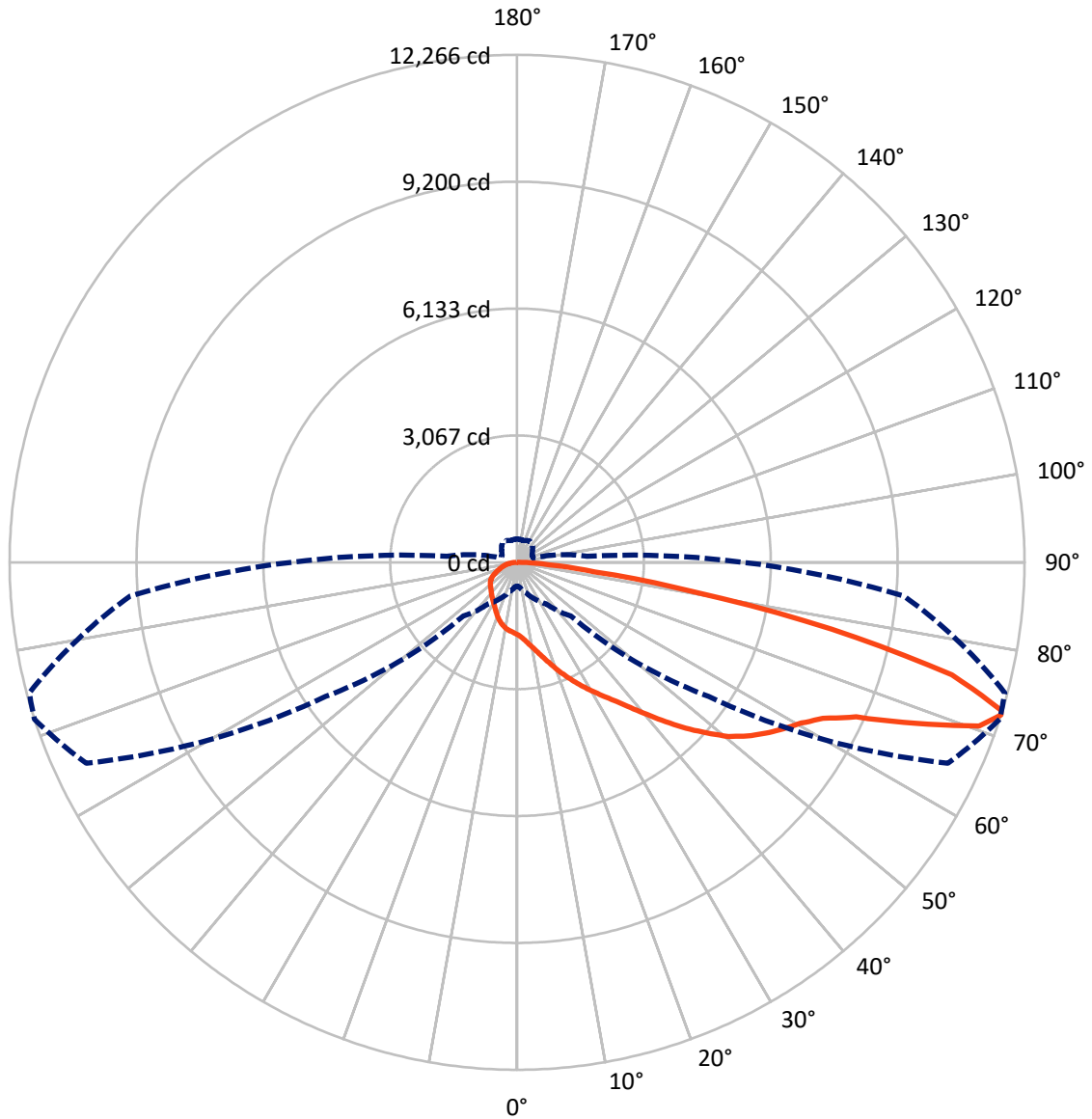
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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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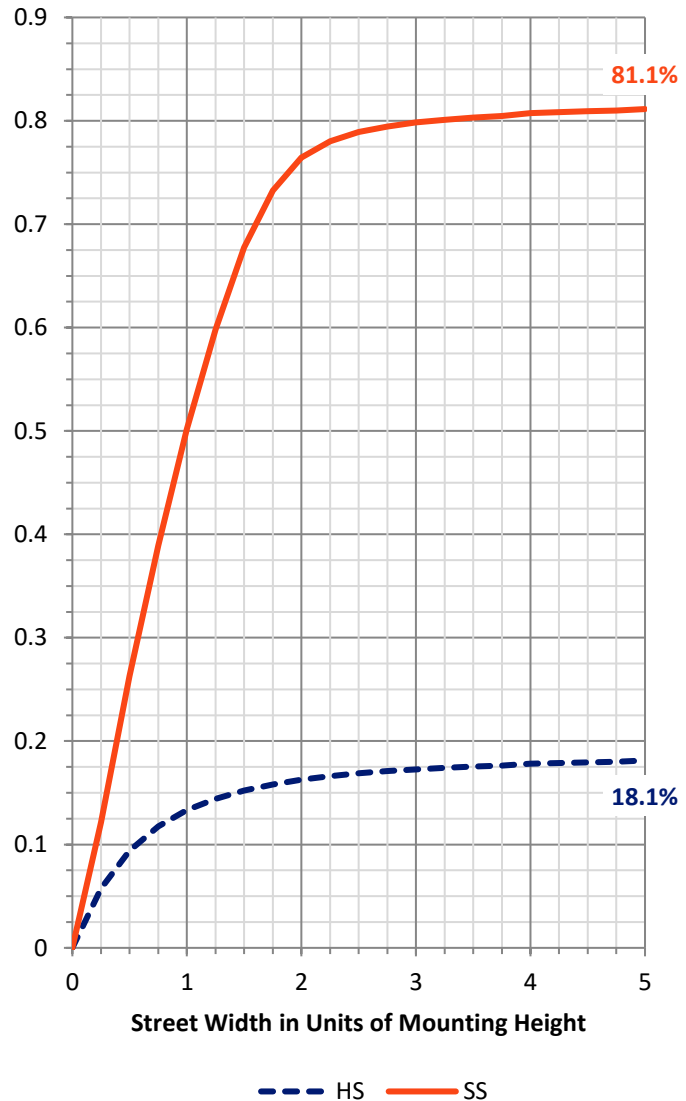
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2634.4	0.0	2634.4
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	11566.6	0.0	11566.6
	% Fixture	81.4	0.0	81.4
Total	Lumens	14201.0	0.0	14201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	1.2
10°-20°	565.7	4.0
20°-30°	991.3	7.0
30°-40°	1469.8	10.4
40°-50°	2149.7	15.1
50°-60°	2958.0	20.8
60°-70°	3293.1	23.2
70°-80°	2231.4	15.7
80°-90°	366.8	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°	14201.0	100.0
0°-180°	14201.0	100.0

Coefficient of Utilization

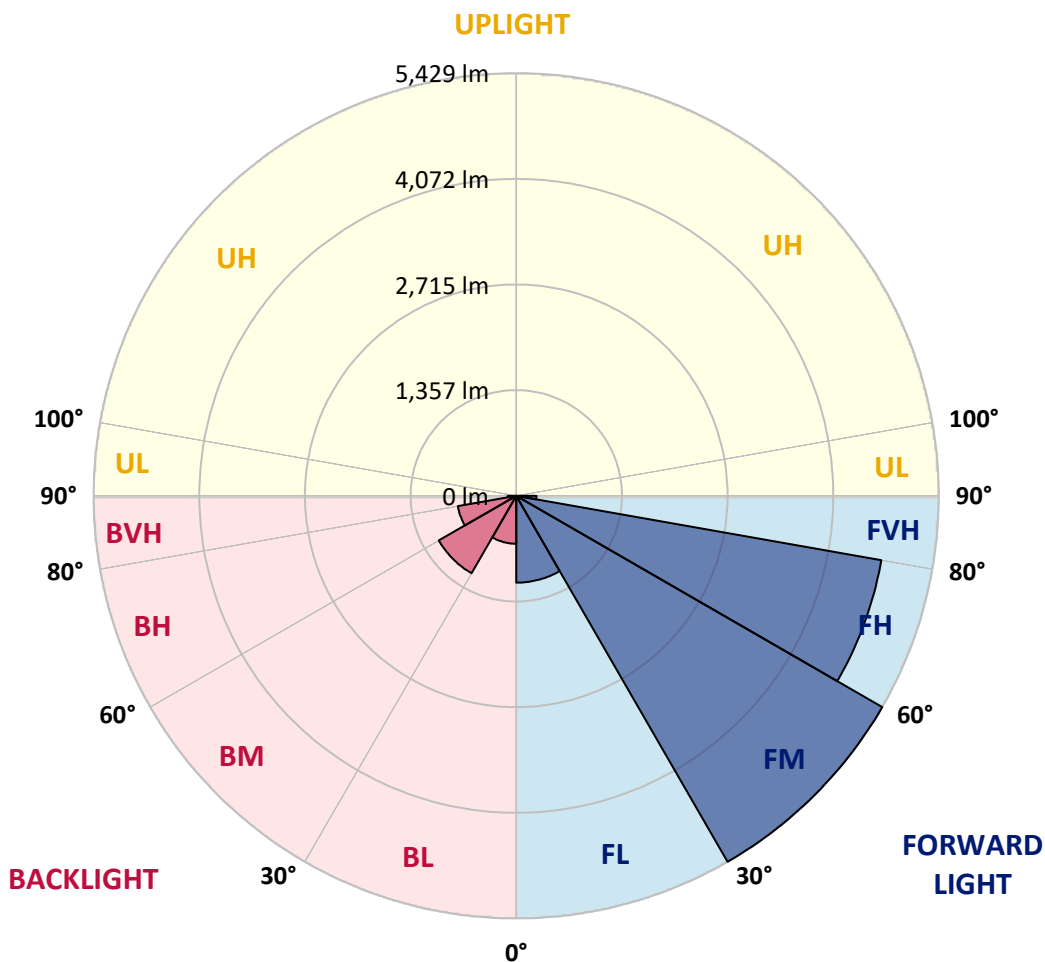


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1116.3	7.9			
FM (30°-60°)	5429.2	38.2			
FH (60°-80°)	4762.4	33.5			G2/5000
FVH (80°-90°)	258.7	1.8			G3/500
BL (0°-30°)	615.8	4.3	B2/1000		
BM (30°-60°)	1148.3	8.1	B2/2500		
BH (60°-80°)	762.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	108.1	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1930.0	1927.0	1916.8	1916.8	1897.2	1880.6	1849.3	1828.3	1803.3	1794.5	1765.2
5°	2116.8	2117.7	2105.0	2096.2	2067.4	2032.2	1978.9	1930.5	1882.0	1862.5	1802.3
7.5°	2273.7	2271.8	2268.3	2261.0	2234.1	2197.9	2126.0	2054.2	1982.8	1953.4	1849.8
10°	2374.4	2378.8	2381.8	2385.2	2374.0	2348.0	2280.1	2192.5	2099.2	2059.1	1906.5
12.5°	2425.3	2433.1	2446.8	2470.3	2488.9	2485.9	2436.5	2343.6	2232.6	2182.3	1977.4
15°	2455.1	2465.4	2486.9	2529.0	2581.3	2611.1	2597.9	2513.8	2390.1	2328.0	2063.9
17.5°	2473.7	2482.0	2515.3	2571.5	2649.2	2728.5	2763.2	2692.8	2568.1	2497.2	2163.2
20°	2486.4	2492.8	2534.3	2600.3	2701.1	2827.2	2924.0	2906.4	2764.2	2672.2	2266.9
22.5°	2514.8	2520.2	2559.8	2626.3	2737.7	2900.6	3079.1	3105.5	2971.0	2866.8	2377.9
25°	2594.0	2594.0	2627.2	2673.7	2778.3	2964.1	3210.1	3327.0	3182.2	3061.0	2480.6
27.5°	2745.1	2743.6	2755.8	2772.0	2851.2	3028.7	3327.0	3522.5	3401.3	3268.8	2580.3
30°	2924.0	2933.8	2935.3	2927.5	2964.6	3109.4	3435.0	3728.9	3621.8	3479.0	2682.5
32.5°	3154.4	3160.7	3153.4	3127.5	3122.1	3223.8	3541.1	3945.0	3860.4	3698.6	2775.9
35°	3446.8	3434.5	3411.6	3358.7	3308.4	3376.8	3662.4	4161.1	4128.4	3964.1	2904.5
37.5°	3760.2	3760.7	3732.3	3612.5	3543.1	3572.4	3829.6	4406.1	4452.6	4280.0	3069.3
40°	4011.5	4024.7	4042.3	3884.9	3794.9	3835.5	4042.3	4690.2	4835.9	4654.5	3283.9
42.5°	4187.1	4202.2	4252.1	4153.3	4059.9	4135.2	4292.7	4993.4	5266.2	5086.8	3535.3
45°	4372.9	4381.2	4416.4	4373.8	4314.2	4483.9	4574.8	5307.3	5721.5	5547.4	3816.4
47.5°	4568.5	4577.3	4613.4	4585.1	4553.8	4809.5	4869.2	5603.1	6157.6	6053.5	4116.6
50°	4810.0	4815.9	4850.1	4798.8	4808.5	5055.0	5132.2	5874.5	6614.8	6508.2	4417.9
52.5°	5139.6	5141.0	5188.5	5142.0	5096.1	5234.9	5358.6	6130.2	6973.2	6922.9	4719.1
55°	5397.8	5413.4	5568.9	5559.1	5532.7	5398.2	5547.9	6373.7	7293.0	7317.0	5038.8
57.5°	5233.0	5294.1	5609.0	5831.0	6047.1	5804.6	5803.6	6648.1	7590.3	7703.7	5390.4
60°	4583.1	4666.3	5130.3	5622.7	6298.9	6511.6	6334.6	6983.0	7890.5	8087.1	5831.0
62.5°	3273.2	3410.1	4038.9	4825.2	5953.7	6980.1	7415.2	7514.5	8298.8	8531.1	6403.6
65°	1654.7	1758.3	2285.5	3232.6	4756.7	6674.0	8589.8	8678.3	9008.3	9214.7	7285.2
67.5°	1005.3	1044.4	1301.6	1797.9	2916.2	5198.7	8973.1	10618.0	10381.3	10490.9	8542.3
70°	740.8	769.6	930.0	1194.1	1677.2	3050.7	7796.6	12002.3	11846.8	11834.6	9471.4
72°	577.0	598.0	739.8	964.7	1226.3	1830.2	5651.0	11491.3	12266.3	12204.7	9386.3
72.5°	547.2	565.7	694.8	908.0	1158.9	1659.1	5080.9	11146.6	12236.0	12208.1	9276.3
75°	430.8	444.0	514.4	702.2	907.0	941.3	2784.2	8638.2	10854.7	11306.0	8343.3
77.5°	356.5	358.4	395.6	511.0	707.1	665.5	1367.7	5993.3	7772.7	8269.0	5910.2
80°	290.4	292.9	310.5	358.4	534.9	492.4	649.4	3446.3	4351.8	4357.2	2810.6
82.5°	231.3	231.8	251.3	262.1	384.3	352.1	372.1	1618.0	1901.6	1829.2	1010.2
85°	162.8	159.4	245.5	215.1	251.3	225.9	205.4	640.6	786.3	752.0	316.4
87.5°	54.3	56.2	109.0	139.4	146.7	128.1	91.4	245.5	296.8	294.4	100.2
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°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1755.9	1740.2	1717.3	1691.8	1671.8	1651.3	1636.1	1628.3	1619.5	1612.1	1620.9
5°	1774.5	1745.1	1696.2	1648.3	1613.1	1581.8	1559.3	1547.6	1536.8	1529.5	1530.5
7.5°	1804.8	1757.4	1675.2	1605.3	1556.4	1522.7	1499.7	1491.9	1485.0	1483.0	1485.5
10°	1837.1	1767.1	1647.3	1554.4	1498.7	1470.8	1460.6	1465.9	1470.8	1475.2	1480.1
12.5°	1873.7	1775.9	1606.8	1494.8	1447.4	1436.6	1446.9	1470.3	1487.4	1497.7	1504.1
15°	1921.7	1783.8	1559.8	1435.1	1403.3	1415.6	1450.3	1490.9	1520.7	1539.8	1542.7
17.5°	1965.7	1783.3	1499.7	1375.0	1367.7	1403.3	1455.7	1512.9	1553.0	1579.9	1585.2
20°	2011.1	1770.1	1429.8	1316.3	1331.5	1390.1	1458.1	1527.1	1575.5	1606.8	1614.1
22.5°	2053.7	1747.1	1353.0	1263.0	1301.2	1372.5	1448.8	1518.7	1567.2	1592.6	1600.4
25°	2082.5	1707.0	1275.2	1218.0	1274.3	1351.0	1418.5	1474.7	1510.9	1523.6	1525.6
27.5°	2097.2	1654.7	1201.9	1178.9	1246.4	1315.8	1362.3	1390.1	1400.4	1399.4	1397.5
30°	2099.2	1585.7	1138.8	1147.1	1214.1	1264.0	1286.0	1280.6	1267.4	1244.9	1246.9
32.5°	2092.8	1508.0	1086.0	1116.8	1173.0	1200.9	1201.9	1176.0	1140.8	1105.1	1095.3
35°	2094.8	1431.7	1039.6	1082.6	1123.2	1135.4	1124.1	1086.0	1038.1	992.1	982.3
37.5°	2116.3	1365.2	999.5	1043.0	1067.9	1070.8	1054.7	1014.6	979.4	934.4	930.5
40°	2167.6	1317.8	961.3	998.5	1012.7	1014.1	991.1	962.8	965.7	941.8	941.3
42.5°	2260.0	1297.2	927.6	952.0	960.8	963.8	946.2	928.1	953.5	937.8	932.5
45°	2379.3	1302.1	899.2	906.6	922.7	936.4	925.6	903.6	913.4	845.4	822.9
47.5°	2517.2	1333.4	876.7	867.4	895.3	921.2	904.6	871.3	836.6	769.2	756.4
50°	2678.6	1381.8	856.2	828.8	865.5	900.7	884.1	836.6	784.3	751.5	747.1
52.5°	2846.8	1441.0	835.7	786.3	827.8	885.0	876.7	828.8	764.3	732.0	726.1
55°	3037.5	1500.7	809.7	736.9	787.2	877.7	873.3	800.4	749.1	731.0	726.6
57.5°	3274.6	1568.6	775.5	685.5	749.1	851.3	837.6	783.3	733.5	719.8	718.3
60°	3583.7	1668.9	726.1	630.8	702.7	810.7	807.8	758.4	708.5	698.7	696.8
62.5°	4047.2	1834.6	658.2	576.0	650.8	741.8	768.7	724.7	682.1	681.6	682.6
65°	4766.0	2084.0	584.3	528.1	598.5	683.6	723.2	689.9	655.2	665.0	666.5
67.5°	5599.2	2290.8	512.0	481.1	545.2	628.3	682.1	655.2	619.5	645.0	645.4
70°	5876.5	2106.0	448.4	434.7	489.9	575.0	637.6	617.1	580.9	606.3	603.9
72°	5468.7	1700.2	407.3	399.5	448.4	531.0	598.0	581.4	545.7	562.8	556.4
72.5°	5340.1	1620.9	397.0	390.7	437.1	519.8	587.7	572.6	536.9	551.6	545.7
75°	4763.6	1407.7	341.3	342.8	381.4	465.0	530.0	525.2	488.5	489.9	488.0
77.5°	3455.1	1032.2	287.5	297.3	324.7	408.8	471.9	468.9	428.8	421.5	420.0
80°	1603.3	526.6	234.2	238.6	267.0	341.8	402.4	398.5	366.2	356.9	351.6
82.5°	549.1	250.4	176.0	179.0	206.8	275.3	349.1	346.7	319.8	301.7	290.4
85°	196.1	124.7	123.2	120.3	147.7	216.6	304.1	290.9	251.3	214.2	213.2
87.5°	63.6	53.3	63.6	63.1	86.1	146.7	221.0	188.3	182.4	151.6	148.6
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)