

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: P317487

Luminaire Tested: **GAN-SA3C-750-U-T2R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317487
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-SA3C-750-U-T2R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22496 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

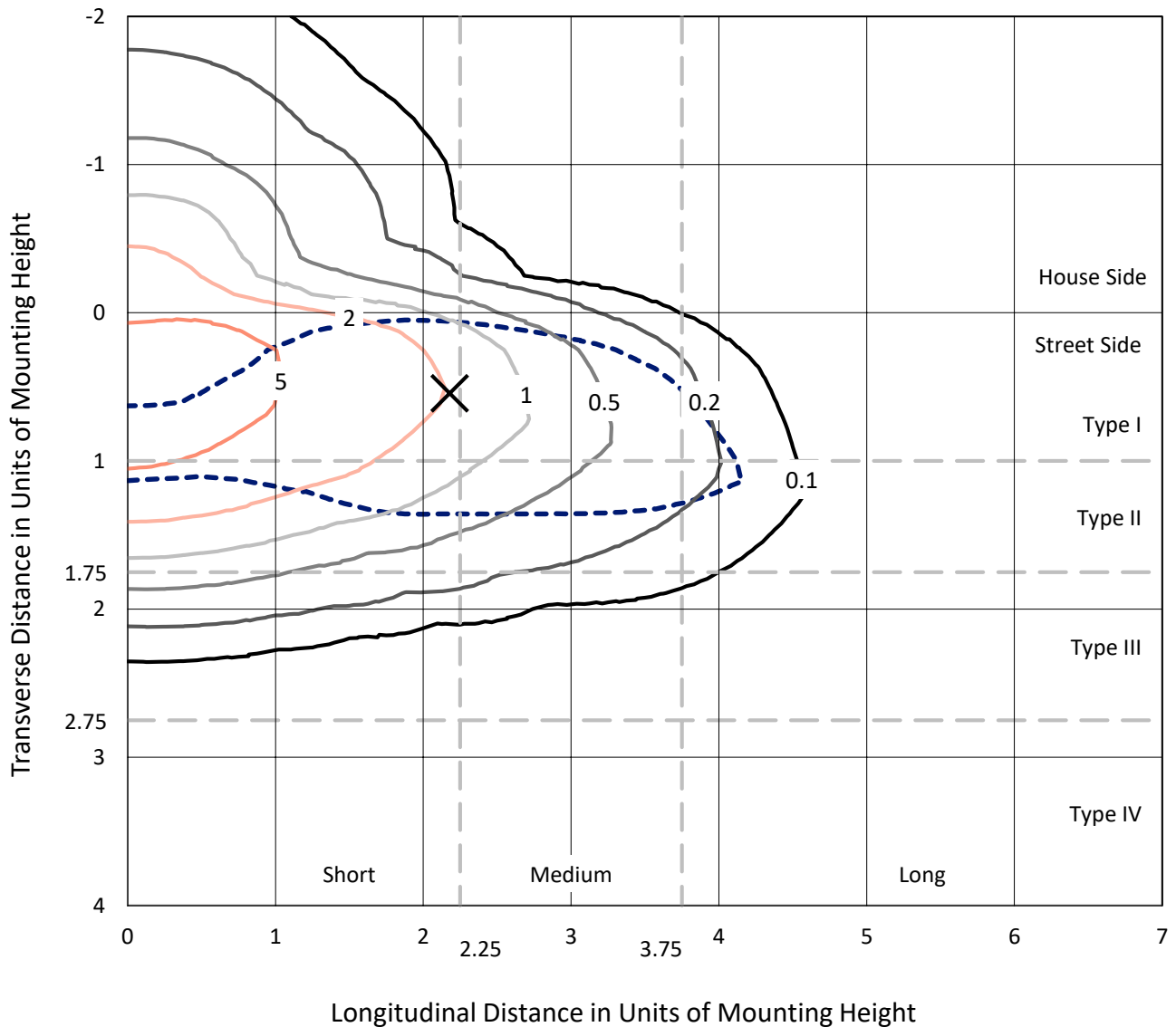
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

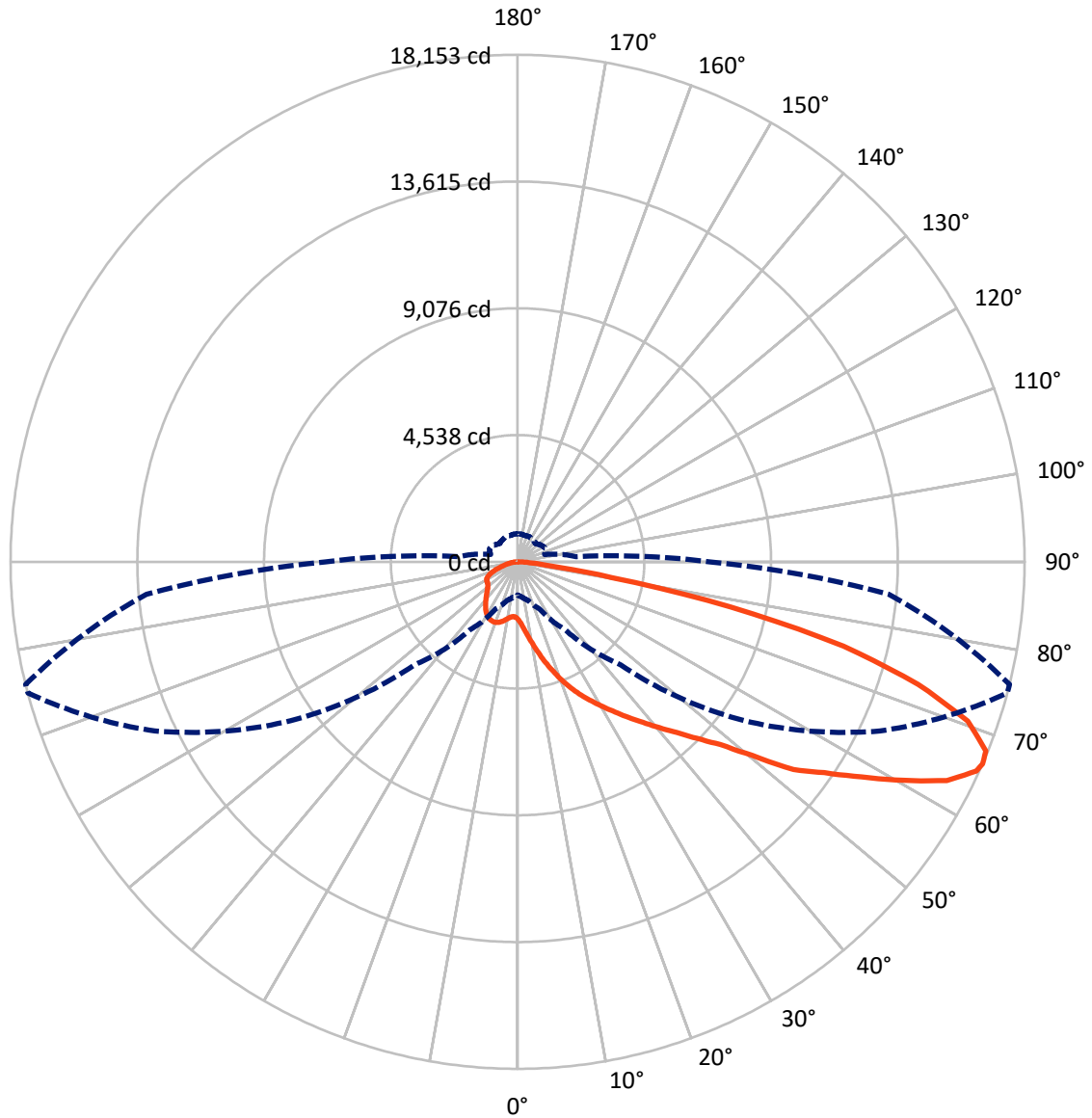
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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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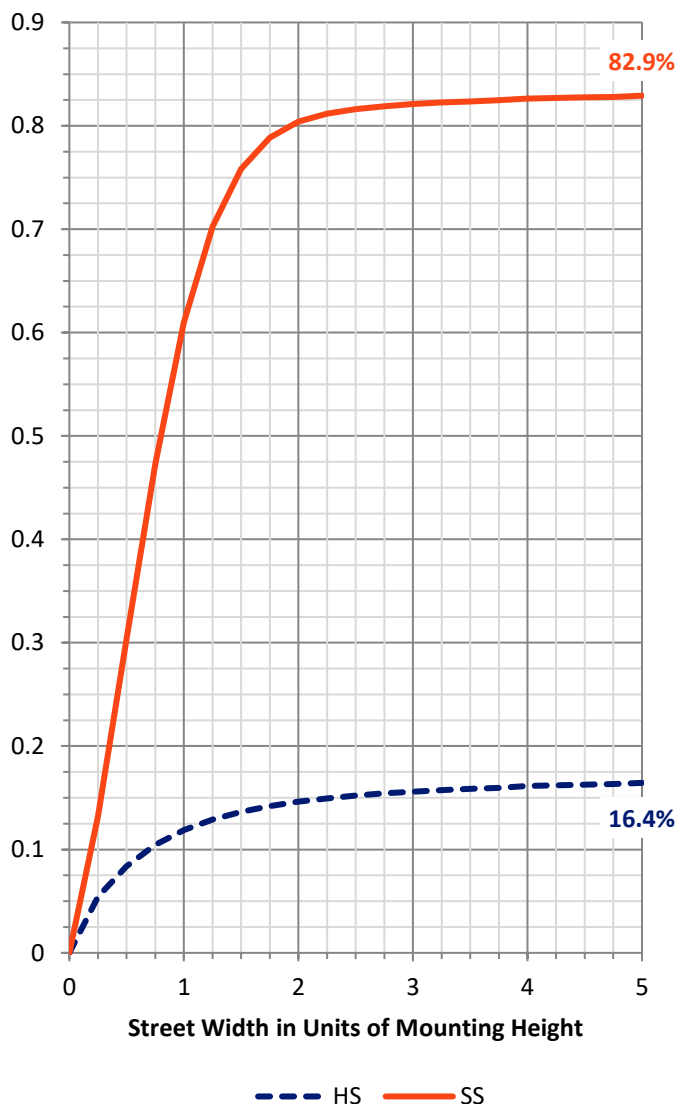
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3785.3	0.0	3785.3
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	18710.7	0.0	18710.7
	% Fixture	83.2	0.0	83.2
Total	Lumens	22496.0	0.0	22496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.4	1.1
10°-20°	981.0	4.4
20°-30°	1906.4	8.5
30°-40°	3111.7	13.8
40°-50°	4251.3	18.9
50°-60°	4951.9	22.0
60°-70°	4439.5	19.7
70°-80°	2243.5	10.0
80°-90°	362.3	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°	22496.0	100.0
0°-180°	22496.0	100.0

Coefficient of Utilization

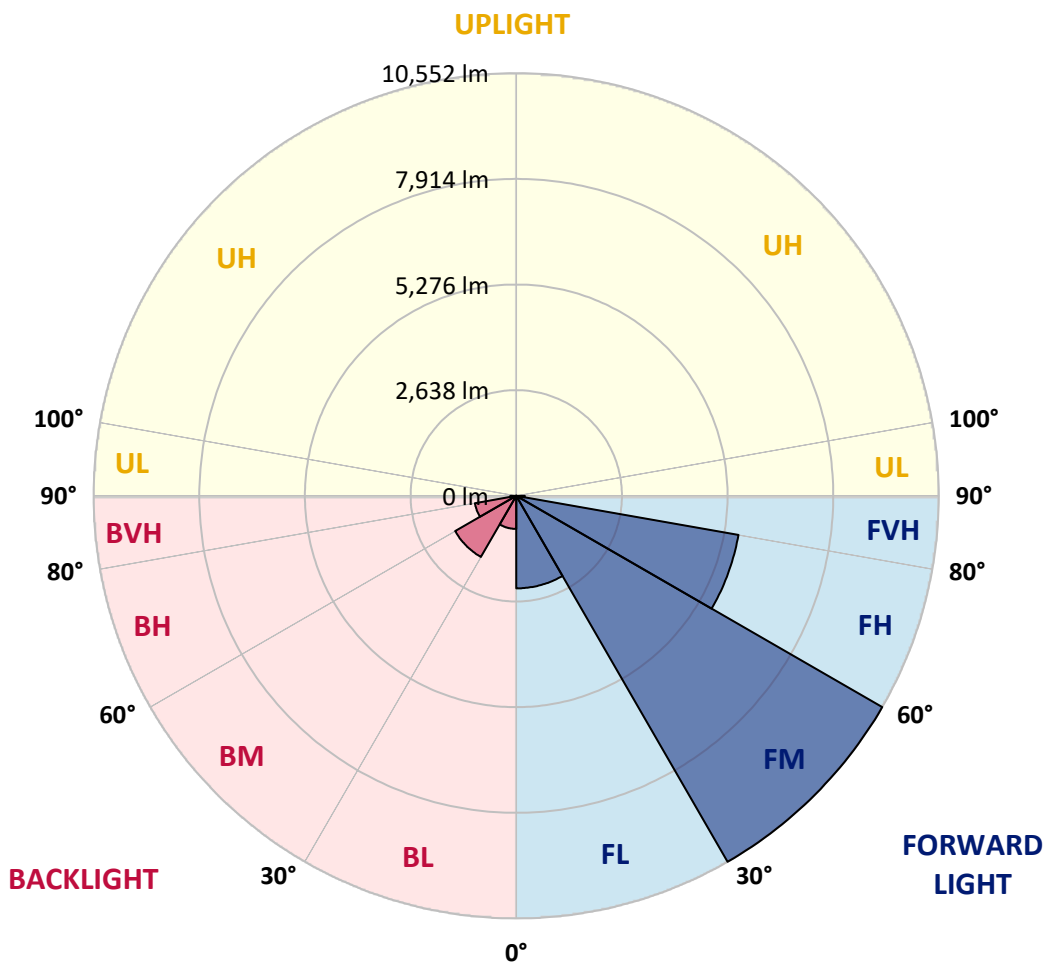


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2310.3	10.3			
FM (30°-60°)	10552.2	46.9			
FH (60°-80°)	5634.3	25.0			G3/7500
FVH (80°-90°)	214.0	1.0			G2/225
BL (0°-30°)	825.6	3.7	B2/1000		
BM (30°-60°)	1762.7	7.8	B2/2500		
BH (60°-80°)	1048.7	4.7	B3/2500		G3/2500
BVH (80°-90°)	148.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4
2.5°	2727.2	2686.0	2682.2	2621.8	2608.1	2492.8	2408.0	2319.4	2218.6	2198.7	2119.3
5°	3503.2	3499.3	3446.6	3348.1	3271.0	3074.0	2879.2	2673.0	2446.9	2410.3	2231.6
7.5°	4201.2	4195.1	4154.6	4048.5	3936.9	3694.9	3416.9	3100.7	2734.1	2679.9	2383.6
10°	4731.2	4728.9	4715.2	4637.3	4542.6	4310.4	4003.4	3571.9	3067.8	2993.8	2573.7
12.5°	5140.6	5145.1	5154.3	5126.8	5081.8	4884.0	4569.3	4071.4	3423.7	3350.4	2785.3
15°	5417.8	5431.5	5478.9	5517.8	5541.5	5420.1	5115.4	4582.3	3822.4	3734.6	3019.7
17.5°	5557.6	5572.8	5654.5	5772.2	5880.6	5868.4	5626.3	5069.5	4205.0	4120.2	3271.8
20°	5678.2	5689.7	5781.3	5922.6	6114.3	6199.1	6063.1	5538.5	4624.3	4523.5	3539.1
22.5°	6028.0	6042.5	6070.0	6150.2	6319.7	6475.5	6409.9	5982.2	5008.4	4914.5	3792.6
25°	6703.1	6720.7	6661.1	6593.1	6625.2	6733.7	6745.9	6386.9	5397.9	5291.8	4065.3
27.5°	7516.5	7541.7	7440.1	7265.2	7112.5	7070.5	7056.0	6718.4	5769.9	5646.9	4334.8
30°	8313.0	8356.6	8224.4	7997.6	7717.3	7520.3	7374.4	7043.0	6136.4	6018.8	4589.2
32.5°	9091.3	9073.7	8882.0	8660.5	8332.1	8085.4	7732.6	7391.2	6548.9	6413.7	4842.0
35°	9624.3	9630.4	9452.5	9189.8	8876.7	8687.3	8212.2	7767.0	6969.7	6845.2	5129.1
37.5°	10078.0	10049.7	9848.1	9602.9	9333.4	9252.4	8773.6	8180.9	7425.6	7289.7	5434.6
40°	10229.2	10196.4	10064.2	9887.8	9671.7	9664.8	9392.9	8649.8	7941.1	7806.7	5779.0
42.5°	10137.5	10095.5	10041.3	9993.2	9926.8	9957.3	9974.9	9199.7	8507.8	8357.3	6177.7
45°	9799.2	9735.8	9774.0	9878.6	10023.0	10195.6	10500.3	9808.4	9142.4	9016.4	6645.8
47.5°	9279.1	9221.9	9341.0	9564.8	9957.3	10394.2	10997.5	10480.5	9900.0	9774.8	7312.6
50°	8547.5	8564.3	8734.6	9141.7	9735.1	10485.8	11610.0	11370.2	11001.3	10884.5	8222.2
52.5°	7346.9	7350.0	7829.6	8497.9	9341.0	10438.5	11949.8	12507.4	12505.1	12363.8	9088.2
55°	6231.9	6299.9	6679.4	7567.6	8702.5	10249.0	12187.4	13060.3	13492.5	13326.8	9895.4
57.5°	5142.9	5182.6	5542.3	6434.3	7791.4	9744.2	12431.0	13724.0	14630.5	14525.9	10899.0
60°	3904.1	3965.2	4337.1	5161.2	6626.0	8848.4	12453.9	14416.6	15990.7	15885.3	12019.3
62.5°	2534.0	2639.4	2987.7	3759.8	5216.2	7560.0	11922.3	14869.5	17279.8	17242.4	13013.7
65°	1456.4	1535.8	1777.9	2373.6	3598.6	5942.5	10658.4	14695.4	18073.3	18051.9	13385.6
66°	1189.9	1239.5	1425.1	1855.1	2969.3	5218.5	9923.7	14328.0	18152.0	18152.7	13342.9
67.5°	951.6	973.7	1057.0	1328.1	2191.1	4136.3	8610.9	13517.7	18054.2	18080.9	13067.2
70°	787.4	798.8	824.8	890.5	1196.0	2494.3	6112.0	11412.2	17072.8	17093.5	11991.1
72.5°	706.4	713.3	723.2	732.4	843.9	1393.8	3733.0	9129.4	14968.8	14995.5	10351.4
75°	640.0	643.8	642.3	643.0	708.0	888.2	1929.1	6816.2	12103.3	12049.9	7929.6
77.5°	562.1	565.9	558.3	559.8	626.2	682.8	960.0	4771.7	8167.9	7790.7	4467.7
80°	475.0	478.1	475.0	480.4	545.3	515.5	558.3	2684.5	3611.6	3416.1	1588.5
82.5°	358.9	371.9	381.1	402.5	449.1	366.6	373.5	1045.5	1099.7	1047.1	487.2
85°	157.3	191.7	287.2	307.8	337.6	219.9	245.2	426.2	447.5	433.8	177.2
87.5°	41.2	45.1	142.1	178.7	187.1	99.3	127.5	194.0	204.7	194.0	58.8
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°	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4	2054.4
2.5°	2077.3	2039.9	1972.7	1913.1	1868.0	1837.5	1806.9	1791.7	1782.5	1773.3	1774.9
5°	2143.7	2068.1	1952.8	1871.1	1825.3	1796.3	1781.0	1774.9	1771.1	1761.9	1761.9
7.5°	2243.8	2136.9	1978.0	1894.0	1858.1	1836.0	1826.8	1823.8	1819.2	1808.5	1810.0
10°	2369.8	2220.1	2030.7	1949.0	1916.2	1891.7	1878.7	1874.2	1865.8	1853.5	1855.1
12.5°	2518.0	2323.2	2100.2	2014.7	1975.0	1942.1	1920.7	1907.8	1893.2	1877.2	1878.0
15°	2679.9	2435.5	2175.1	2073.5	2019.3	1973.4	1939.1	1916.9	1894.0	1874.2	1873.4
17.5°	2844.1	2543.9	2232.3	2105.6	2032.2	1971.9	1925.3	1891.0	1862.7	1838.3	1836.0
20°	3021.3	2641.7	2264.4	2102.5	2007.8	1936.0	1874.2	1831.4	1800.1	1775.6	1771.8
22.5°	3201.5	2733.3	2269.8	2071.2	1953.6	1865.8	1800.8	1753.5	1721.4	1696.2	1687.0
25°	3366.5	2804.4	2247.6	2010.9	1878.0	1783.3	1719.9	1671.8	1645.8	1616.0	1606.9
27.5°	3516.9	2854.0	2203.3	1933.7	1793.2	1700.0	1640.5	1599.2	1571.0	1548.0	1540.4
30°	3652.1	2880.7	2130.8	1842.1	1706.1	1621.4	1571.0	1542.7	1518.3	1489.2	1483.9
32.5°	3780.4	2880.7	2037.6	1742.0	1619.8	1551.9	1522.1	1504.5	1477.0	1448.8	1441.1
35°	3908.7	2863.2	1927.6	1637.4	1540.4	1502.2	1500.7	1480.1	1438.1	1399.9	1390.0
37.5°	4043.9	2827.3	1803.9	1539.6	1475.5	1480.1	1493.1	1447.2	1387.7	1333.4	1318.9
40°	4196.6	2777.6	1675.6	1454.9	1421.3	1470.2	1472.4	1399.9	1283.8	1234.2	1221.2
42.5°	4376.1	2728.0	1556.5	1380.0	1378.5	1440.4	1433.5	1297.6	1228.1	1202.9	1196.0
45°	4612.1	2699.7	1443.4	1309.0	1344.9	1392.3	1367.0	1241.0	1212.0	1197.5	1191.4
47.5°	4984.0	2714.2	1339.6	1252.5	1311.3	1344.1	1243.3	1218.1	1197.5	1179.9	1173.8
50°	5449.9	2705.8	1255.5	1213.5	1273.1	1293.7	1187.6	1188.3	1177.6	1157.8	1148.6
52.5°	5800.4	2640.2	1201.3	1191.4	1239.5	1204.4	1152.4	1159.3	1154.0	1125.0	1115.0
55°	6138.7	2583.6	1173.8	1183.0	1215.1	1092.9	1111.2	1128.0	1122.7	1094.4	1089.8
57.5°	6559.5	2573.0	1157.0	1185.3	1194.4	1037.1	1071.5	1093.6	1089.8	1077.6	1075.3
60°	7075.1	2576.0	1141.8	1189.1	1171.5	995.9	1034.1	1062.3	1064.6	1062.3	1060.8
62.5°	7358.4	2492.8	1103.6	1178.4	1131.1	960.0	995.1	1036.4	1037.1	1041.7	1040.9
65°	7117.8	2243.8	1032.5	1141.0	1063.1	930.2	961.5	1006.6	995.1	1015.7	1015.7
66°	6884.1	2100.2	997.4	1116.6	1034.1	918.7	950.8	991.3	976.8	1005.0	1005.0
67.5°	6406.8	1858.1	934.0	1064.6	992.8	902.7	938.6	966.1	946.2	988.2	985.2
70°	5534.6	1437.3	806.5	947.0	924.9	879.0	921.8	915.7	886.7	950.8	938.6
72.5°	4666.3	1092.1	647.6	792.7	821.8	849.3	898.1	851.5	814.9	859.9	833.2
75°	3620.8	821.0	511.7	616.3	694.2	802.7	869.9	777.5	724.8	720.2	705.7
77.5°	1957.4	563.6	405.5	470.4	551.4	744.6	850.8	698.0	618.6	600.3	588.8
80°	775.2	366.6	294.8	356.7	385.7	660.6	805.0	605.6	510.2	491.8	474.3
82.5°	320.0	216.9	190.2	239.0	251.3	565.1	722.5	496.4	394.1	545.3	578.9
85°	137.5	119.1	113.0	123.7	142.1	396.4	575.1	378.8	425.4	379.6	301.7
87.5°	41.2	50.4	48.1	47.4	51.9	94.7	306.2	210.8	312.4	118.4	88.6
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)