

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: P318667

Luminaire Tested: **GAN-SA3A-730-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13034 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

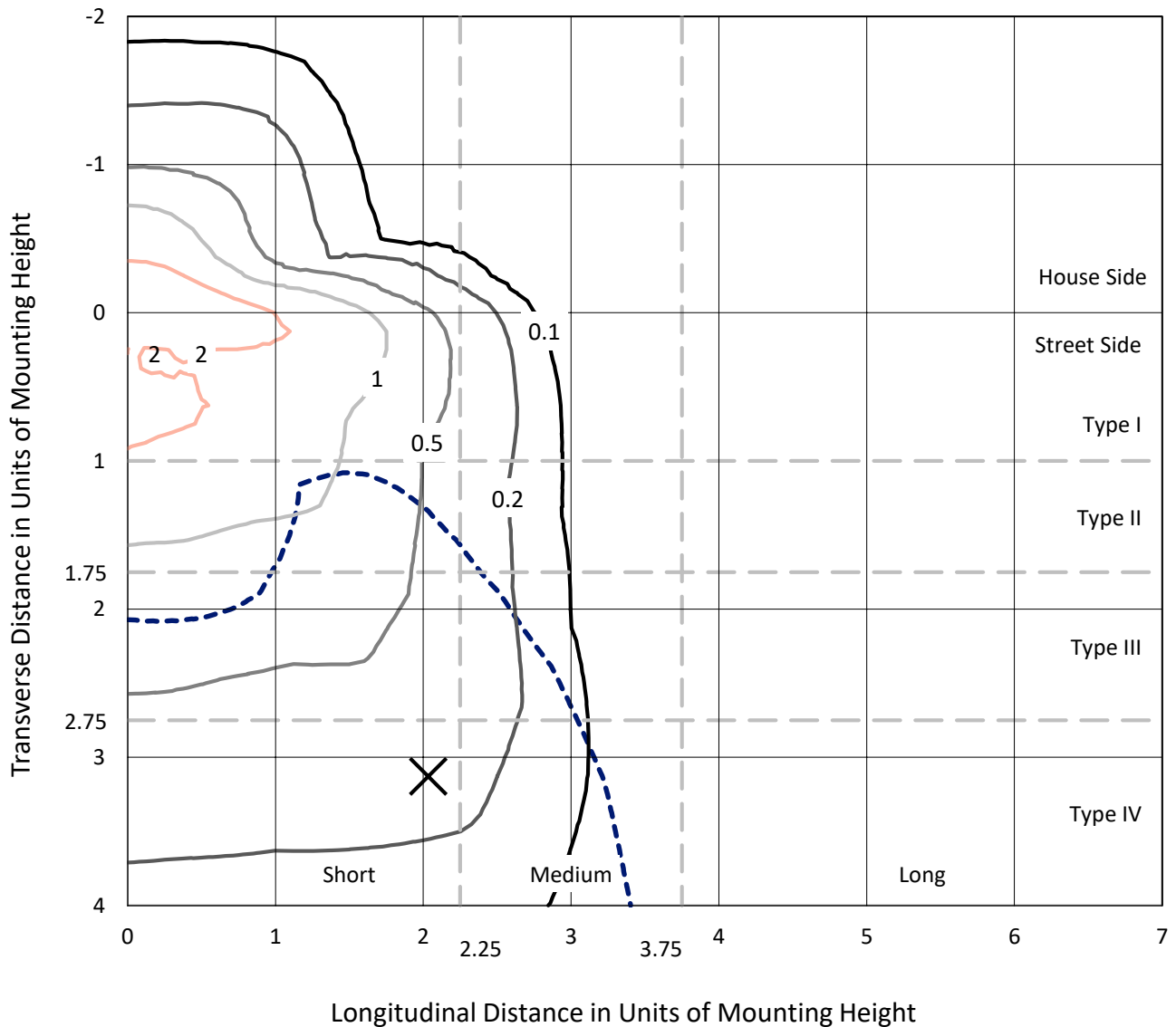
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318667
 CATALOG NUMBER: GAN-SA3A-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

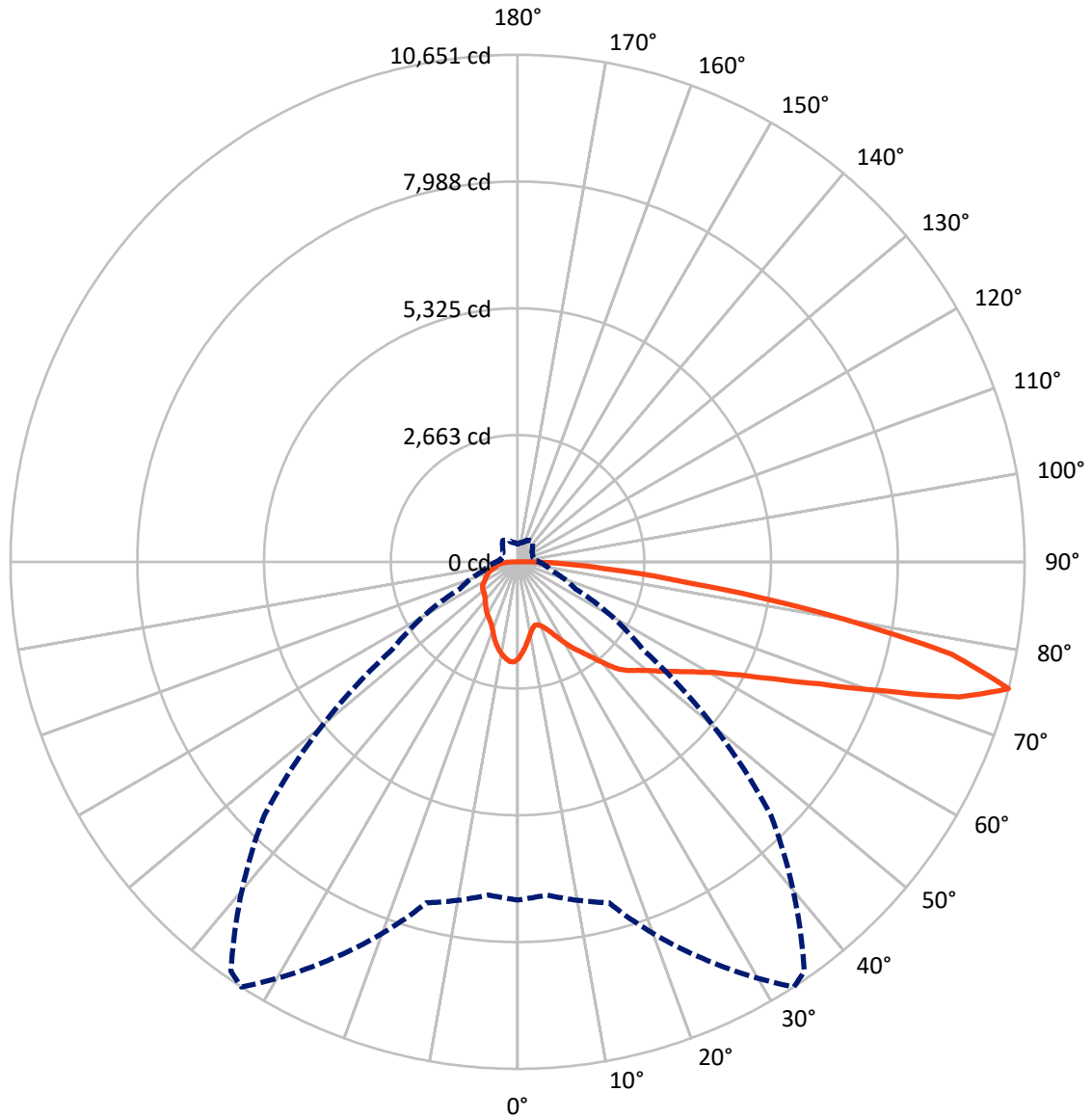
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P318667
CATALOG NUMBER: GAN-SA3A-730-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P318667
 CATALOG NUMBER: GAN-SA3A-730-U-T4FT

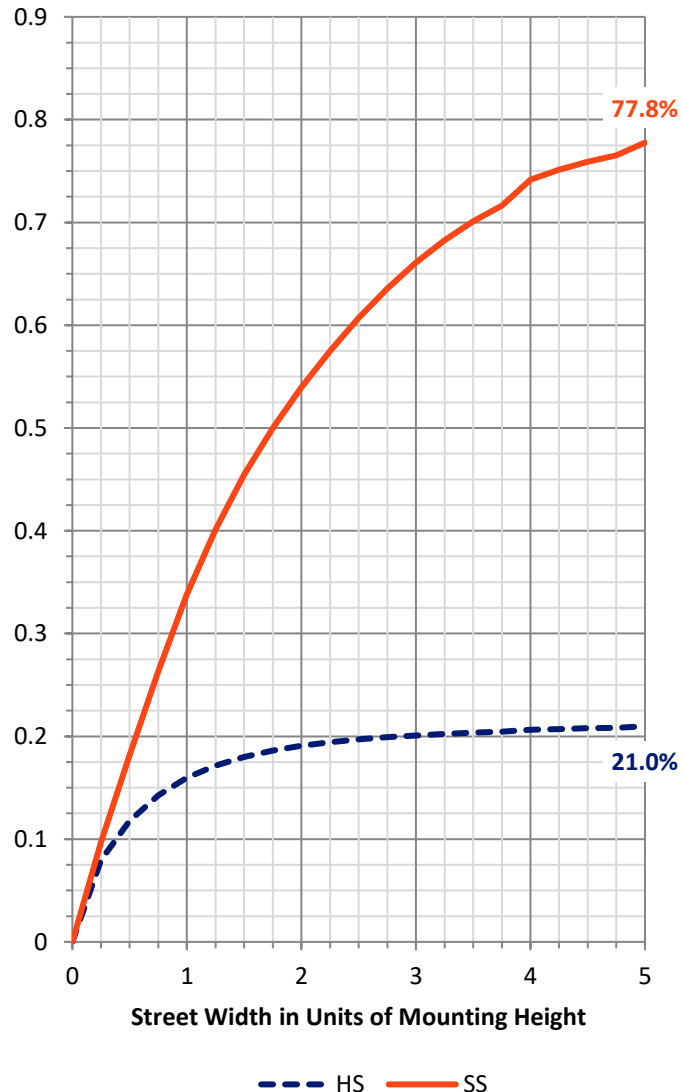
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2798.8	0.0	2798.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	10235.3	0.0	10235.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	13034.0	0.0	13034.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	1.4
10°-20°	499.0	3.8
20°-30°	815.0	6.3
30°-40°	1213.7	9.3
40°-50°	1740.8	13.4
50°-60°	2389.8	18.3
60°-70°	2991.9	23.0
70°-80°	2706.6	20.8
80°-90°	493.0	3.8
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°	13034.0	100.0
0°-180°	13034.0	100.0

Coefficient of Utilization



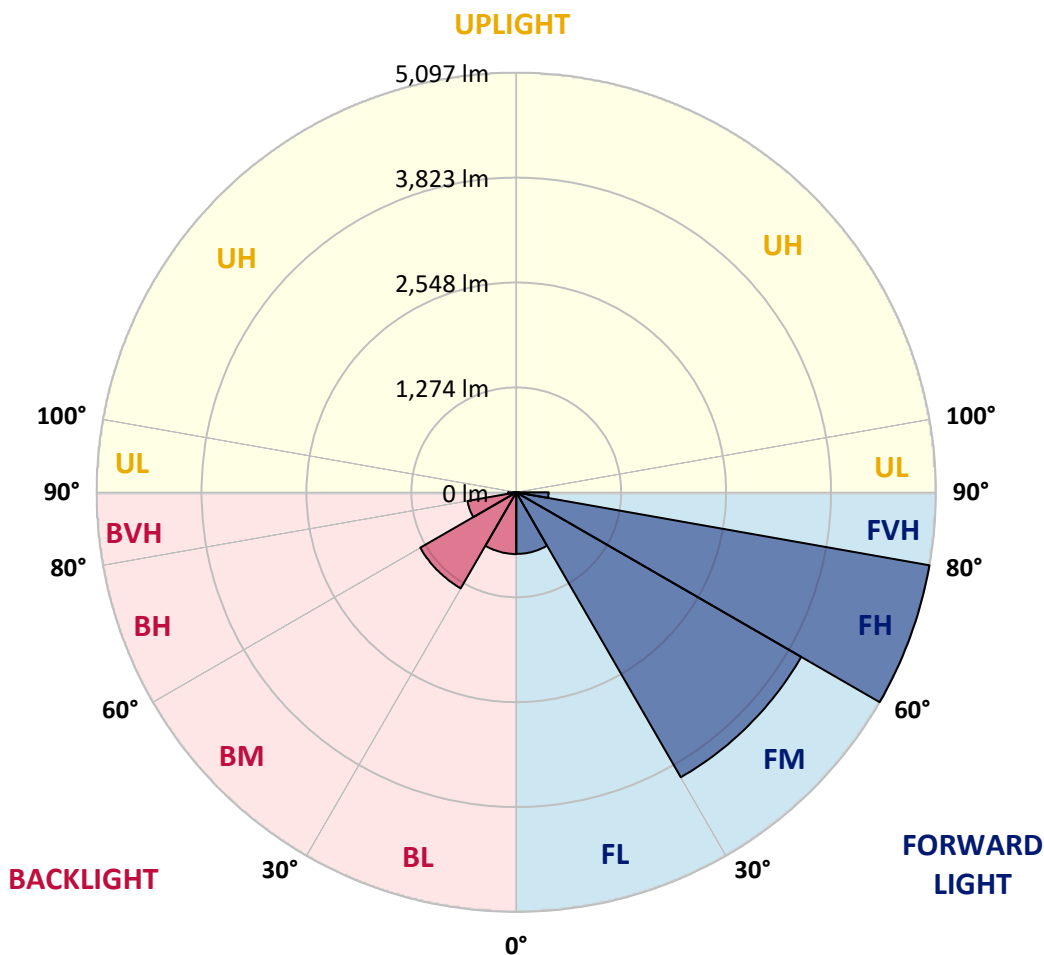
REPORT NUMBER: P318667
 CATALOG NUMBER: GAN-SA3A-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.6	5.7			
FM (30°-60°)	3997.3	30.7			
FH (60°-80°)	5096.7	39.1			G3/7500
FVH (80°-90°)	392.7	3.0			G3/500
BL (0°-30°)	749.6	5.8	B2/1000		
BM (30°-60°)	1347.0	10.3	B2/2500		
BH (60°-80°)	601.8	4.6	B2/1000		G2/1000
BVH (80°-90°)	100.4	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 IV Short





REPORT NUMBER: P318667

CATALOG NUMBER: GAN-SA3A-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3
2.5°	1891.9	1884.7	1898.2	1900.0	1911.7	1916.2	1932.4	1957.6	1978.3	2002.2	2023.8
5°	1720.3	1715.4	1734.3	1747.8	1773.5	1784.3	1822.5	1876.1	1923.8	1977.9	2026.9
7.5°	1557.3	1554.6	1575.8	1606.4	1636.1	1651.0	1717.2	1795.1	1874.8	1962.1	2037.3
10°	1420.0	1419.1	1439.4	1469.5	1513.2	1529.9	1615.4	1718.1	1829.7	1949.9	2054.8
12.5°	1343.0	1346.2	1355.6	1380.9	1421.4	1438.0	1533.0	1653.7	1791.9	1945.9	2080.5
15°	1361.9	1366.9	1350.7	1349.8	1378.6	1391.7	1480.8	1607.8	1764.9	1952.6	2117.9
17.5°	1442.5	1443.4	1400.7	1373.6	1391.2	1398.0	1464.6	1581.7	1749.1	1968.0	2164.7
20°	1556.0	1553.7	1478.1	1433.1	1442.5	1444.3	1487.6	1582.1	1747.8	1994.5	2225.5
22.5°	1706.4	1689.7	1588.0	1526.7	1524.5	1521.8	1546.5	1615.4	1767.6	2037.7	2298.0
25°	1902.7	1886.9	1746.9	1663.1	1645.1	1638.4	1642.0	1686.6	1806.8	2084.1	2379.0
27.5°	2121.0	2093.6	1958.5	1840.1	1802.7	1793.3	1771.7	1787.0	1849.5	2128.7	2475.4
30°	2303.8	2289.0	2171.0	2030.5	1986.4	1972.9	1916.2	1899.5	1911.2	2189.5	2596.9
32.5°	2406.0	2396.1	2324.5	2211.1	2170.1	2151.2	2071.1	2037.7	2010.3	2285.4	2761.7
35°	2529.8	2523.5	2480.3	2397.9	2337.1	2317.3	2255.2	2220.5	2149.8	2417.3	2974.7
37.5°	2687.4	2680.7	2681.6	2614.9	2542.4	2524.0	2483.0	2446.5	2330.8	2590.6	3206.1
40°	2865.7	2852.7	2847.7	2844.5	2798.6	2788.3	2766.7	2717.1	2557.8	2797.7	3434.3
42.5°	3134.0	3087.7	2988.6	3026.0	3071.5	3066.1	3083.6	3012.5	2809.9	3042.6	3657.2
45°	3392.9	3316.8	3145.8	3153.9	3253.4	3283.5	3415.0	3364.6	3083.2	3311.0	3887.7
47.5°	3510.9	3453.3	3307.8	3308.3	3406.9	3469.5	3757.6	3721.6	3370.4	3615.8	4169.1
50°	3642.8	3585.2	3454.6	3503.7	3589.7	3656.3	4088.5	4070.1	3643.7	3949.4	4506.3
52.5°	3786.9	3689.2	3606.3	3694.1	3814.8	3892.2	4419.9	4369.5	3894.5	4285.3	4894.0
55°	3788.7	3762.1	3825.1	3889.5	4070.1	4165.1	4767.0	4633.8	4098.9	4615.3	5209.6
57.5°	4004.3	3961.1	4094.8	4124.5	4360.5	4467.6	5112.4	4863.8	4306.9	4868.3	5379.8
60°	4289.8	4252.9	4362.3	4440.6	4719.8	4862.9	5481.1	5100.2	4470.3	5059.2	5371.7
62.5°	4782.8	4740.9	4739.6	4849.4	5225.4	5391.9	5894.9	5332.1	4535.2	5097.0	5142.5
65°	5504.5	5437.9	5312.3	5364.5	5923.7	6089.8	6357.2	5500.0	4449.6	4894.4	4552.3
67.5°	6206.9	6204.6	6050.2	6157.3	6845.7	6979.0	6884.0	5516.7	4182.6	4188.9	3505.0
70°	6907.0	6916.0	6889.9	7262.6	8091.5	8230.2	7445.0	5292.9	3582.5	3025.1	2099.9
72.5°	7461.6	7459.4	7590.9	8552.1	9708.3	9677.2	7917.7	4614.8	2572.2	1633.0	1003.6
75°	7102.4	7024.0	7415.7	9190.5	10650.6	10498.9	7515.7	3219.1	1334.9	743.3	540.3
77.5°	4632.4	4706.7	5281.6	7592.2	9316.1	9131.5	5514.0	1502.0	629.0	487.6	391.7
80°	1677.6	1755.9	2473.1	4300.6	6418.5	6388.3	2715.3	617.3	425.5	368.3	285.4
82.5°	577.2	606.0	975.6	1909.9	3623.9	3759.0	1021.6	350.7	309.3	261.1	195.4
85°	226.5	259.3	446.2	918.9	1827.9	1841.4	413.8	209.8	215.2	171.1	107.2
87.5°	86.0	104.5	213.4	426.8	834.7	766.7	148.1	100.0	122.5	101.8	50.9
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: P318667

CATALOG NUMBER: GAN-SA3A-730-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3	2037.3
2.5°	2040.4	2049.9	2069.7	2083.2	2097.6	2101.7	2103.5	2107.1	2110.7	2109.3	2109.8
5°	2053.0	2071.5	2103.5	2117.0	2123.3	2116.1	2102.1	2090.9	2082.8	2078.3	2076.9
7.5°	2073.8	2099.9	2134.1	2131.8	2117.4	2085.5	2049.4	2022.4	1999.9	1991.8	1987.3
10°	2101.2	2131.8	2155.7	2130.0	2088.2	2032.8	1978.8	1936.9	1903.1	1890.1	1887.8
12.5°	2136.3	2167.4	2171.9	2117.4	2048.1	1972.5	1899.1	1843.7	1793.3	1777.1	1773.5
15°	2181.8	2211.1	2183.2	2095.4	1998.6	1896.8	1801.8	1726.6	1673.5	1653.7	1646.5
17.5°	2229.5	2257.4	2185.4	2058.9	1933.7	1807.2	1687.9	1610.9	1550.1	1527.2	1524.5
20°	2286.7	2299.3	2176.0	2006.7	1844.6	1691.1	1565.4	1493.0	1460.5	1444.3	1442.5
22.5°	2357.4	2343.9	2154.3	1936.0	1731.6	1556.9	1454.7	1420.9	1412.8	1409.2	1410.6
25°	2432.1	2390.7	2122.4	1843.7	1588.9	1422.7	1373.6	1383.1	1393.9	1392.6	1392.6
27.5°	2514.5	2438.4	2073.3	1721.2	1430.8	1312.9	1318.7	1353.4	1369.6	1369.1	1368.7
30°	2620.3	2492.5	2010.7	1574.0	1283.2	1235.4	1271.0	1313.3	1335.4	1334.5	1334.9
32.5°	2750.5	2551.9	1925.6	1409.7	1176.4	1178.2	1219.2	1261.1	1286.8	1284.5	1285.0
35°	2902.6	2618.5	1810.4	1247.6	1105.8	1132.8	1165.2	1194.5	1218.8	1215.6	1212.5
37.5°	3068.3	2683.8	1657.3	1102.6	1048.1	1090.5	1117.5	1122.4	1133.7	1125.6	1119.7
40°	3225.9	2733.8	1460.1	983.8	990.1	1054.4	1072.0	1052.2	1031.9	1029.2	1021.1
42.5°	3363.2	2750.5	1260.6	888.8	928.8	1016.6	1027.4	986.0	949.5	932.4	925.2
45°	3508.2	2756.3	1074.7	809.1	869.8	982.9	994.6	939.2	887.9	850.9	838.8
47.5°	3697.7	2798.6	930.2	750.1	824.8	960.3	977.0	901.8	835.2	782.5	771.2
50°	3945.8	2882.4	812.7	705.1	795.6	945.5	964.4	865.3	792.0	728.5	717.2
52.5°	4221.3	2959.4	717.7	668.6	767.2	919.4	948.2	839.2	751.4	678.5	666.3
55°	4414.0	2900.4	641.1	630.8	730.3	882.0	925.7	817.2	693.4	629.9	619.1
57.5°	4451.0	2698.7	583.0	591.6	685.7	835.2	891.0	768.1	661.8	608.7	597.5
60°	4350.1	2417.7	539.8	555.6	638.0	776.2	826.2	733.4	631.7	586.2	576.7
62.5°	4096.6	2130.0	507.9	523.2	593.4	716.3	785.7	697.0	601.1	560.5	551.1
65°	3584.7	1788.3	477.2	494.4	552.0	664.5	749.2	663.2	570.9	539.8	530.8
67.5°	2705.9	1339.4	448.4	463.7	515.1	619.5	709.6	629.9	541.6	521.8	511.0
70°	1593.4	838.8	415.6	431.8	476.3	572.7	667.2	593.4	505.2	496.2	482.2
72.5°	741.5	504.7	378.2	394.0	427.7	510.1	612.8	545.7	461.9	442.1	423.2
75°	442.6	369.2	334.1	348.0	371.9	443.5	544.3	497.1	421.0	394.9	375.0
77.5°	330.9	282.3	285.4	300.3	319.7	388.1	482.2	458.8	389.4	369.2	355.7
80°	238.2	214.3	232.8	249.0	269.2	353.0	461.9	424.1	352.1	325.1	312.5
82.5°	158.9	154.0	175.1	191.8	211.6	308.9	434.0	371.4	300.8	266.5	238.6
85°	87.8	92.7	118.0	125.2	142.3	217.5	355.7	298.5	226.5	182.3	174.2
87.5°	36.5	42.8	63.5	61.2	75.6	129.7	234.1	180.1	144.1	107.6	83.7
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)