

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: P402641

Luminaire Tested: **GAN-AF-10-LED-U-SL2-AMB-HSS**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-10-LED-U-SL2-AMB-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7864 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

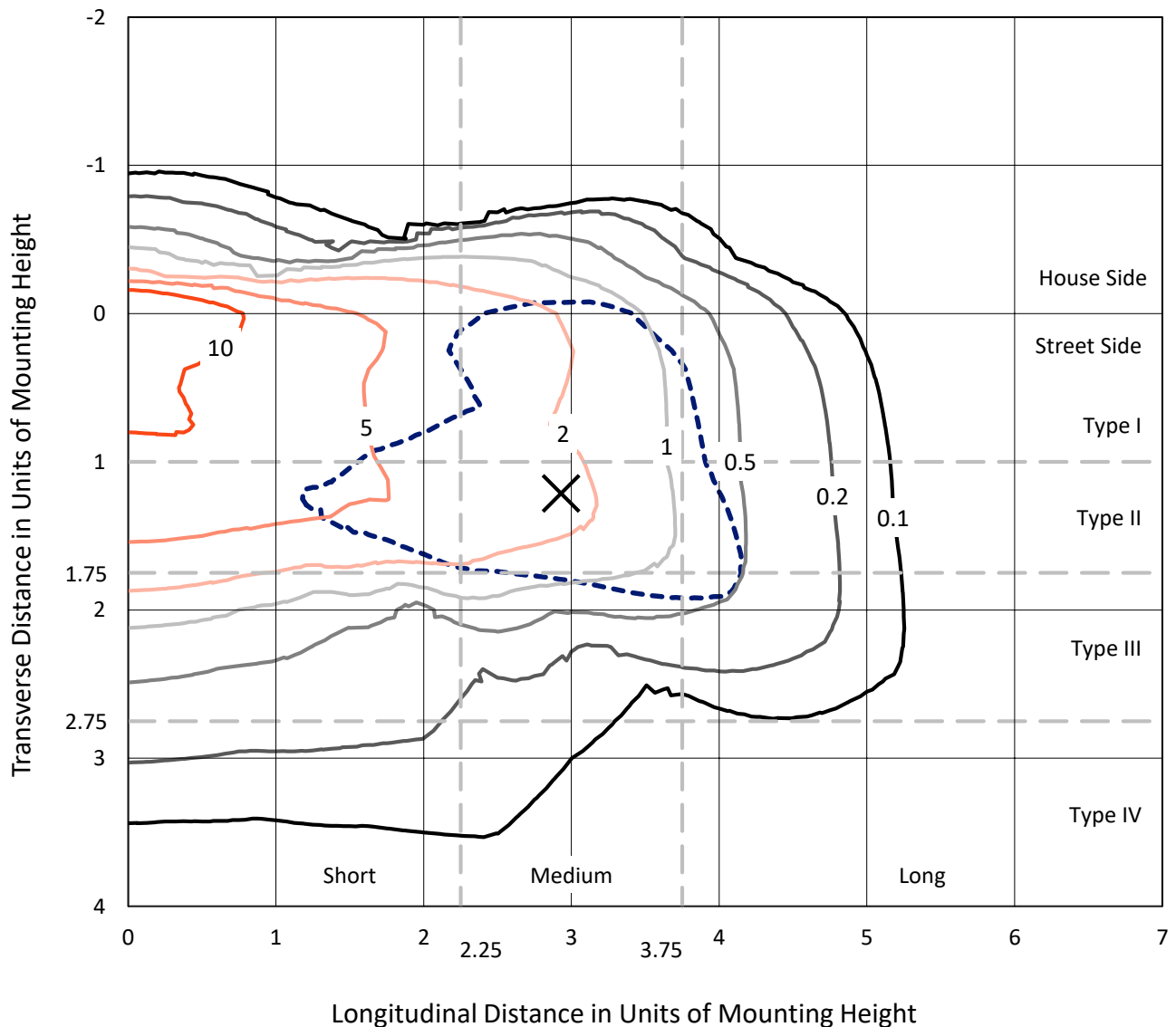
Input Watts (W): 198.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P402641
 CATALOG NUMBER: GAN-AF-10-LED-U-SL2-AMB-HSS

Iso-Footcandle Lines of Horizontal Illumination

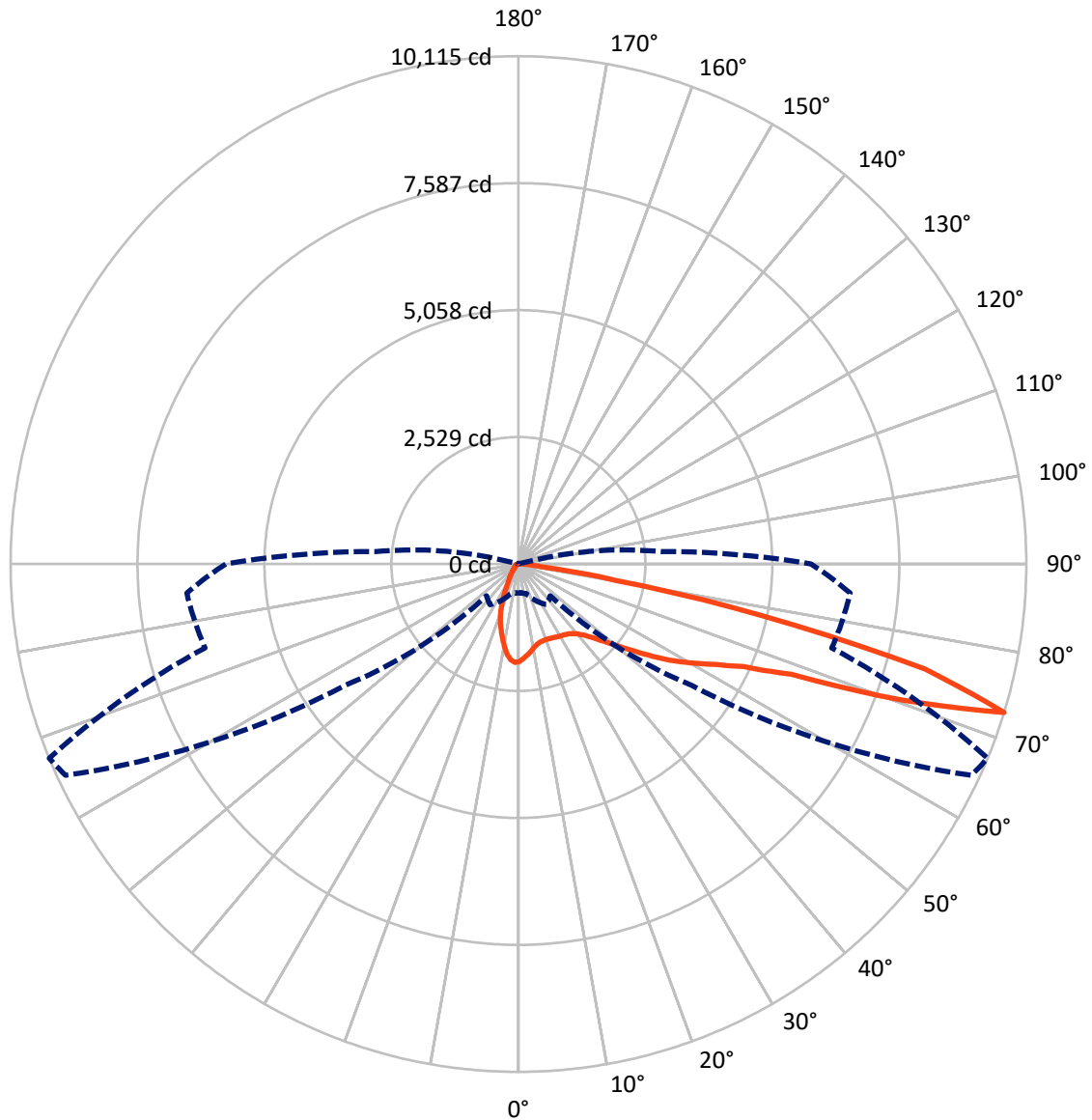
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P402641
CATALOG NUMBER: GAN-AF-10-LED-U-SL2-AMB-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P402641

CATALOG NUMBER: GAN-AF-10-LED-U-SL2-AMB-HSS

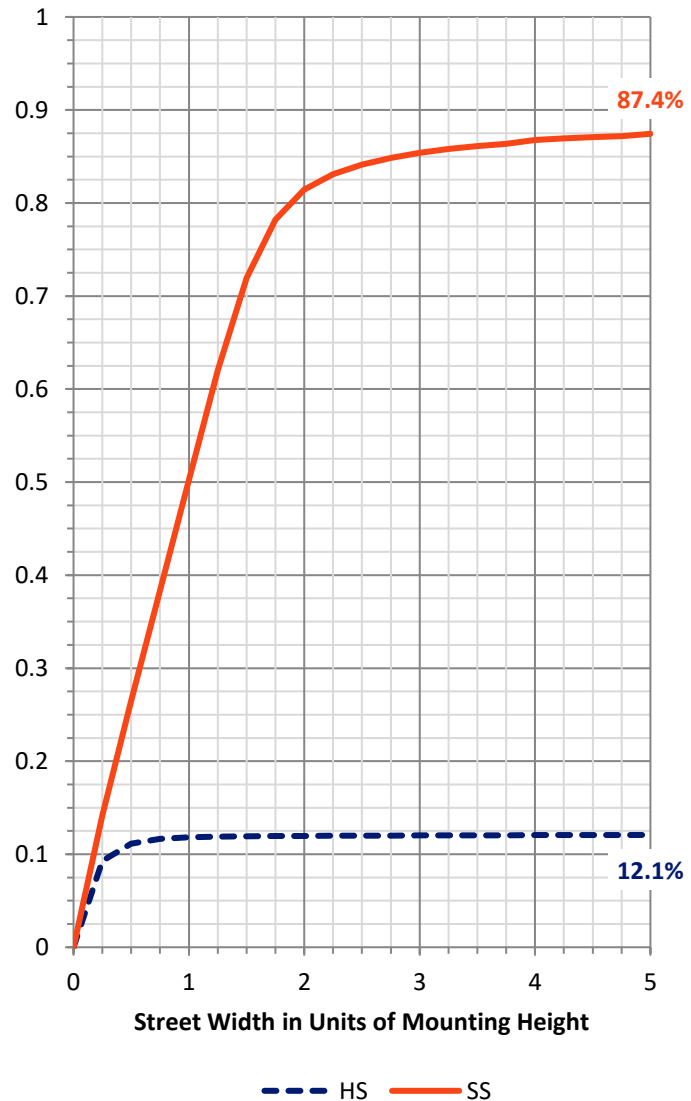
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	959.2	0.0	959.2
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	6904.8	0.0	6904.8
	% Fixture	87.8	0.0	87.8
Total	Lumens	7864.0	0.0	7864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	2.0
10°-20°	338.1	4.3
20°-30°	477.5	6.1
30°-40°	684.1	8.7
40°-50°	1032.1	13.1
50°-60°	1654.7	21.0
60°-70°	1956.1	24.9
70°-80°	1428.9	18.2
80°-90°	132.1	1.7
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°	7864.0	100.0
0°-180°	7864.0	100.0

Coefficient of Utilization



REPORT NUMBER: P402641

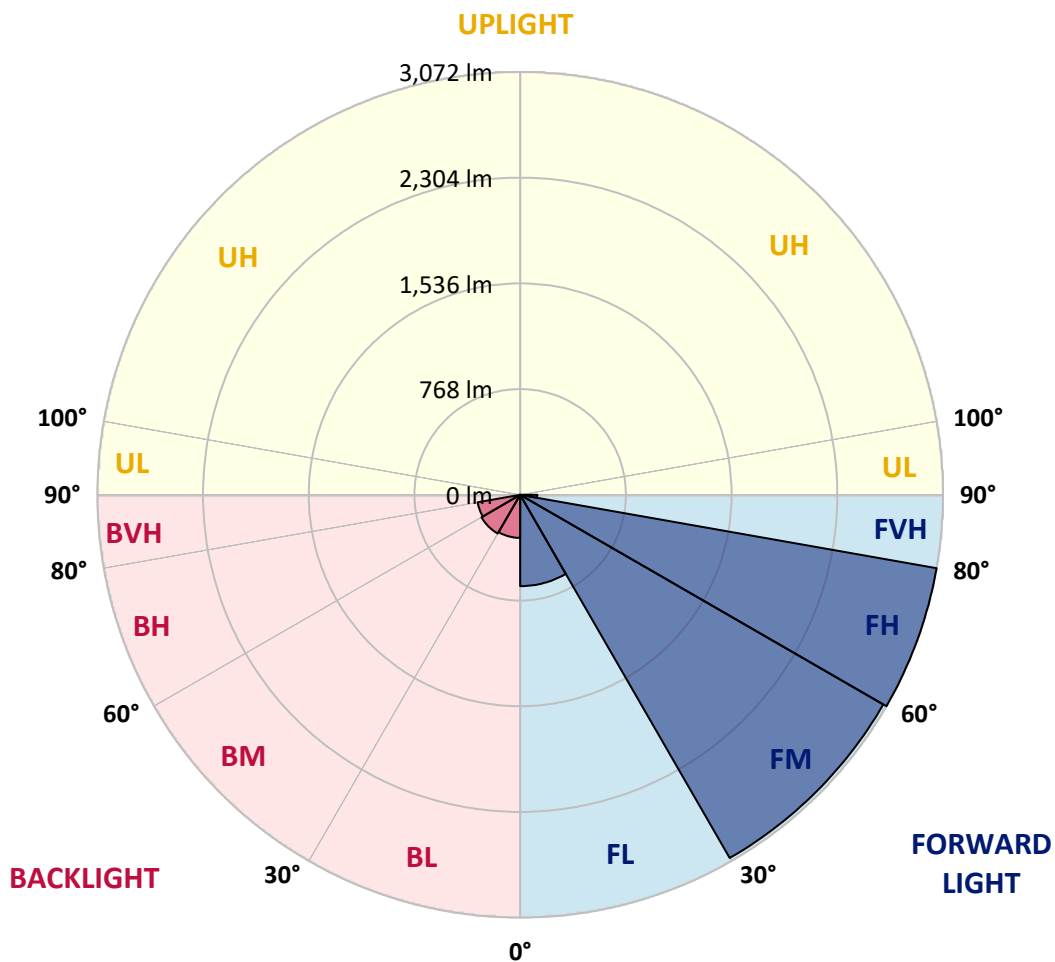
CATALOG NUMBER: GAN-AF-10-LED-U-SL2-AMB-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.3	8.4			
FM (30°-60°)	3046.0	38.7			
FH (60°-80°)	3071.6	39.1			G2/5000
FVH (80°-90°)	123.9	1.6			G2/225
BL (0°-30°)	312.7	4.0	B1/500		
BM (30°-60°)	324.8	4.1	B1/1000		
BH (60°-80°)	313.4	4.0	B1/500		G1/500
BVH (80°-90°)	8.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P402641
 CATALOG NUMBER: GAN-AF-10-LED-U-SL2-AMB-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4
2.5°	1822.2	1830.9	1830.9	1843.9	1848.2	1852.5	1878.5	1887.2	1882.8	1908.8	1926.1
5°	1701.1	1701.1	1709.7	1731.4	1748.7	1761.7	1792.0	1817.9	1822.2	1852.5	1900.2
7.5°	1601.5	1610.2	1610.2	1623.1	1649.1	1670.8	1709.7	1753.0	1761.7	1800.6	1856.9
10°	1523.6	1519.3	1532.2	1545.2	1566.9	1588.5	1631.8	1679.4	1696.7	1740.0	1804.9
12.5°	1450.0	1454.3	1458.7	1480.3	1506.3	1527.9	1571.2	1627.5	1644.8	1701.1	1779.0
15°	1406.7	1406.7	1411.1	1424.0	1450.0	1480.3	1532.2	1592.8	1614.5	1679.4	1770.3
17.5°	1393.7	1393.7	1389.4	1393.7	1415.4	1445.7	1506.3	1579.9	1601.5	1670.8	1783.3
20°	1398.1	1398.1	1389.4	1385.1	1398.1	1428.4	1497.6	1575.5	1601.5	1683.7	1817.9
22.5°	1424.0	1419.7	1411.1	1398.1	1398.1	1428.4	1501.9	1584.2	1610.2	1701.1	1848.2
25°	1489.0	1471.7	1463.0	1437.0	1419.7	1432.7	1506.3	1597.2	1623.1	1714.0	1891.5
27.5°	1549.6	1545.2	1545.2	1519.3	1463.0	1450.0	1523.6	1618.8	1640.5	1731.4	1947.8
30°	1653.4	1644.8	1644.8	1614.5	1545.2	1484.6	1540.9	1636.1	1662.1	1744.3	2004.0
32.5°	1783.3	1787.6	1779.0	1740.0	1653.4	1549.6	1571.2	1657.8	1679.4	1753.0	2060.3
35°	1926.1	1930.5	1952.1	1908.8	1796.3	1649.1	1618.8	1696.7	1709.7	1770.3	2103.6
37.5°	2043.0	2043.0	2099.3	2107.9	1969.4	1770.3	1696.7	1761.7	1757.3	1792.0	2146.9
40°	2172.8	2172.8	2237.8	2289.7	2190.2	1934.8	1796.3	1839.6	1830.9	1839.6	2207.5
42.5°	2311.4	2320.0	2389.3	2480.2	2428.2	2146.9	1939.1	1960.8	1943.4	1917.5	2272.4
45°	2445.5	2467.2	2562.4	2683.6	2679.3	2397.9	2125.2	2129.6	2099.3	2047.3	2406.6
47.5°	2601.4	2618.7	2752.9	2904.3	2943.3	2683.6	2363.3	2346.0	2307.0	2224.8	2588.4
50°	2865.4	2874.0	2969.3	3146.7	3220.3	2999.6	2631.7	2601.4	2558.1	2454.2	2835.1
52.5°	3181.4	3177.0	3220.3	3406.4	3605.5	3367.5	2982.3	2939.0	2869.7	2735.5	3138.1
55°	3319.9	3332.9	3397.8	3622.9	4008.1	3904.2	3376.1	3315.5	3242.0	3068.8	3449.7
57.5°	3077.5	3077.5	3207.3	3562.3	4233.2	4614.1	3817.6	3722.4	3631.5	3410.8	3804.6
60°	2462.8	2458.5	2614.3	3042.9	4064.4	5233.0	4432.3	4146.6	4008.1	3713.8	4159.6
62.5°	1727.0	1692.4	1761.7	2120.9	3328.5	5241.7	5579.3	4588.1	4402.0	4025.4	4536.1
65°	1237.9	1216.3	1229.3	1328.8	1908.8	4739.6	6847.5	5259.0	4925.7	4354.4	4990.6
67.5°	1012.8	986.9	982.5	1103.7	1099.4	3138.1	7228.4	6583.5	5856.3	4834.8	5505.7
70°	809.4	796.4	792.1	965.2	1017.2	1021.5	6739.3	9414.2	8124.4	5549.0	6193.9
72.5°	575.7	575.7	610.3	800.8	986.9	896.0	4215.8	9955.3	10115.4	6462.3	6631.1
75°	346.3	341.9	428.5	636.3	952.2	865.7	1302.8	8215.3	8362.4	6051.1	5129.1
77.5°	164.5	164.5	238.1	428.5	844.0	813.7	744.5	4912.7	4947.3	3674.8	2601.4
80°	64.9	64.9	103.9	264.0	640.6	805.1	692.5	2025.7	1952.1	1012.8	359.3
82.5°	26.0	26.0	43.3	147.2	398.2	662.2	614.6	670.9	502.1	116.9	95.2
85°	4.3	8.7	17.3	86.6	225.1	350.6	497.8	415.5	264.0	69.3	69.3
87.5°	0.0	4.3	8.7	26.0	64.9	147.2	251.0	190.4	121.2	21.6	30.3
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: P402641

CATALOG NUMBER: GAN-AF-10-LED-U-SL2-AMB-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4	1943.4
2.5°	1930.5	1939.1	1956.4	1965.1	1969.4	1952.1	1952.1	1934.8	1930.5	1930.5	1930.5
5°	1908.8	1926.1	1939.1	1908.8	1861.2	1800.6	1731.4	1688.1	1644.8	1653.4	1636.1
7.5°	1882.8	1904.5	1887.2	1787.6	1666.4	1553.9	1432.7	1363.4	1281.2	1272.5	1250.9
10°	1843.9	1865.5	1800.6	1627.5	1441.4	1276.9	1099.4	991.2	904.6	835.4	818.1
12.5°	1835.2	1848.2	1696.7	1458.7	1216.3	982.5	753.1	549.7	428.5	367.9	367.9
15°	1839.6	1839.6	1601.5	1289.9	973.9	649.3	363.6	264.0	220.7	216.4	212.1
17.5°	1861.2	1835.2	1506.3	1125.4	714.2	337.6	216.4	199.1	190.4	190.4	190.4
20°	1900.2	1835.2	1424.0	952.2	450.2	212.1	186.1	177.5	173.1	168.8	168.8
22.5°	1939.1	1817.9	1320.2	753.1	259.7	177.5	164.5	160.2	151.5	147.2	147.2
25°	1982.4	1800.6	1220.6	541.0	181.8	155.8	142.8	134.2	125.5	121.2	121.2
27.5°	2021.4	1783.3	1103.7	341.9	160.2	138.5	125.5	112.5	99.6	95.2	95.2
30°	2047.3	1753.0	991.2	216.4	142.8	125.5	108.2	90.9	77.9	73.6	73.6
32.5°	2051.7	1714.0	852.7	160.2	129.9	108.2	86.6	73.6	64.9	60.6	60.6
35°	2038.7	1666.4	701.2	142.8	116.9	95.2	73.6	60.6	51.9	51.9	51.9
37.5°	2021.4	1618.8	545.4	129.9	103.9	82.2	60.6	51.9	47.6	43.3	43.3
40°	2017.0	1571.2	363.6	121.2	95.2	69.3	51.9	43.3	39.0	34.6	34.6
42.5°	2030.0	1536.6	255.4	112.5	82.2	60.6	47.6	39.0	30.3	30.3	26.0
45°	2094.9	1527.9	186.1	103.9	73.6	51.9	39.0	30.3	26.0	21.6	21.6
47.5°	2203.1	1545.2	151.5	95.2	64.9	43.3	34.6	26.0	21.6	17.3	17.3
50°	2359.0	1610.2	138.5	86.6	51.9	39.0	26.0	21.6	17.3	17.3	17.3
52.5°	2601.4	1714.0	129.9	77.9	43.3	30.3	21.6	17.3	13.0	13.0	13.0
55°	2861.1	1835.2	125.5	69.3	39.0	26.0	17.3	13.0	13.0	8.7	8.7
57.5°	3159.7	1995.4	116.9	60.6	34.6	26.0	17.3	13.0	8.7	8.7	8.7
60°	3536.3	2211.8	103.9	51.9	30.3	21.6	13.0	8.7	8.7	8.7	8.7
62.5°	3925.8	2436.9	90.9	43.3	26.0	17.3	13.0	8.7	8.7	8.7	8.7
65°	4402.0	2696.6	77.9	34.6	21.6	17.3	13.0	8.7	8.7	4.3	4.3
67.5°	4977.6	2960.6	60.6	30.3	21.6	13.0	13.0	8.7	8.7	4.3	4.3
70°	5713.5	3298.2	51.9	26.0	17.3	13.0	13.0	8.7	8.7	4.3	4.3
72.5°	5826.0	2848.1	43.3	26.0	17.3	13.0	13.0	8.7	8.7	4.3	4.3
75°	3982.1	1359.1	39.0	21.6	17.3	17.3	13.0	8.7	8.7	4.3	4.3
77.5°	1735.7	320.3	34.6	21.6	17.3	17.3	17.3	13.0	8.7	4.3	4.3
80°	203.4	60.6	30.3	21.6	17.3	21.6	17.3	13.0	8.7	4.3	4.3
82.5°	82.2	39.0	30.3	26.0	21.6	17.3	17.3	13.0	8.7	4.3	4.3
85°	60.6	30.3	30.3	30.3	21.6	13.0	13.0	8.7	8.7	4.3	4.3
87.5°	30.3	13.0	8.7	8.7	8.7	8.7	8.7	4.3	4.3	4.3	4.3
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)