

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: P402627

Luminaire Tested: **GAN-AF-08-LED-U-SL3-AMB-HSS**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-08-LED-U-SL3-AMB-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6447 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

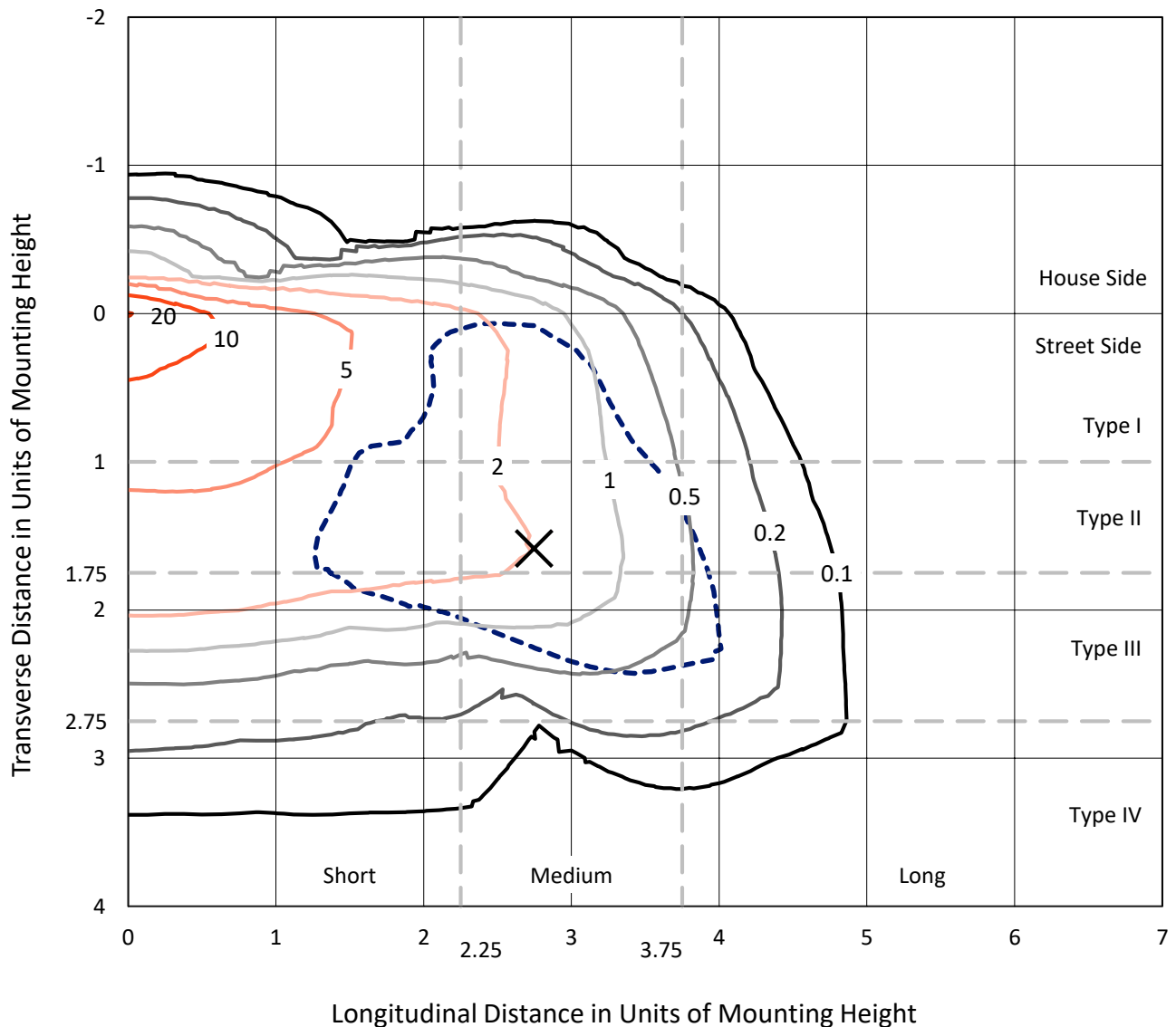
Input Watts (W): 158.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P402627
 CATALOG NUMBER: GAN-AF-08-LED-U-SL3-AMB-HSS

Iso-Footcandle Lines of Horizontal Illumination

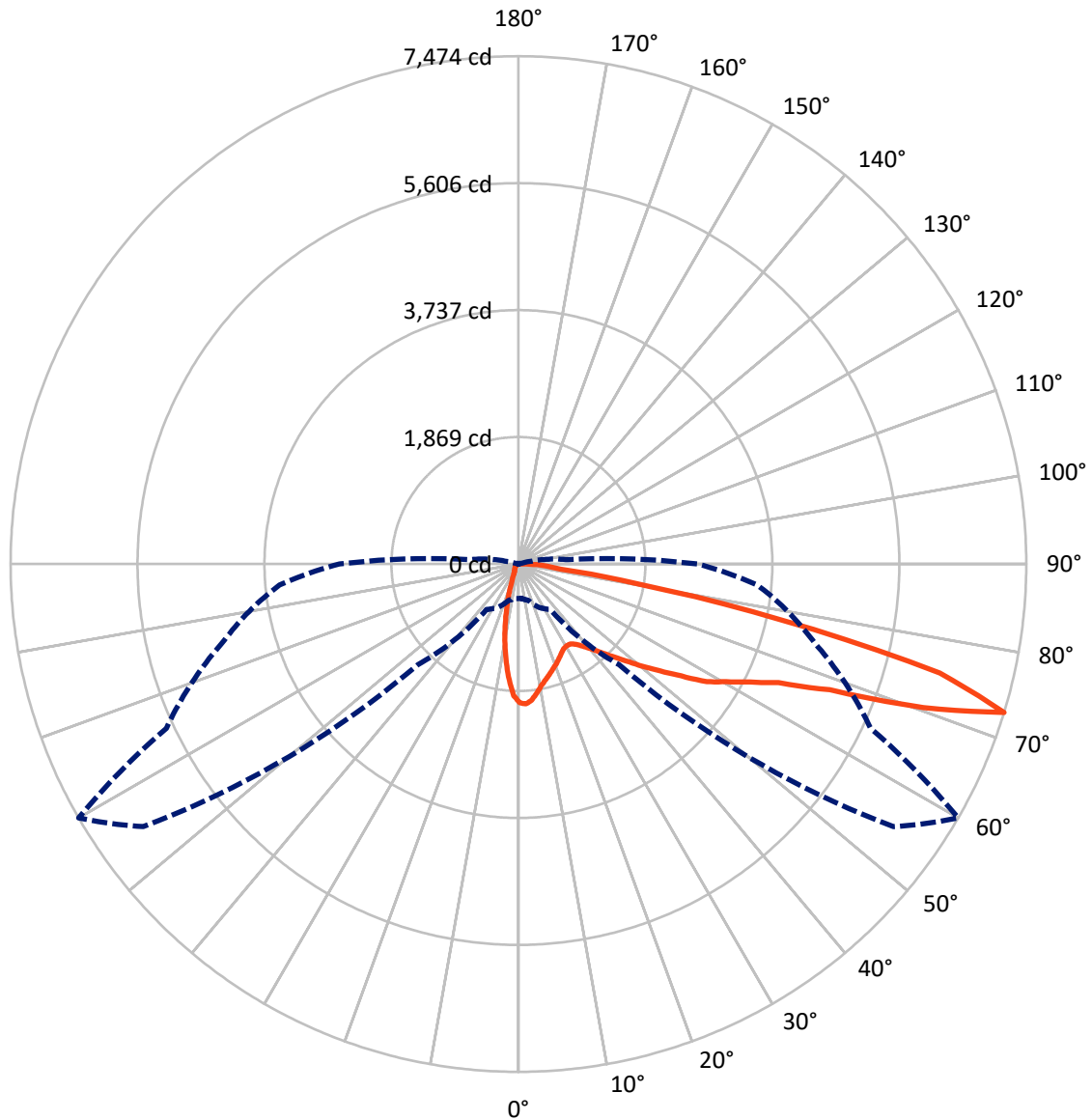
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.4 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P402627
CATALOG NUMBER: GAN-AF-08-LED-U-SL3-AMB-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P402627

CATALOG NUMBER: GAN-AF-08-LED-U-SL3-AMB-HSS

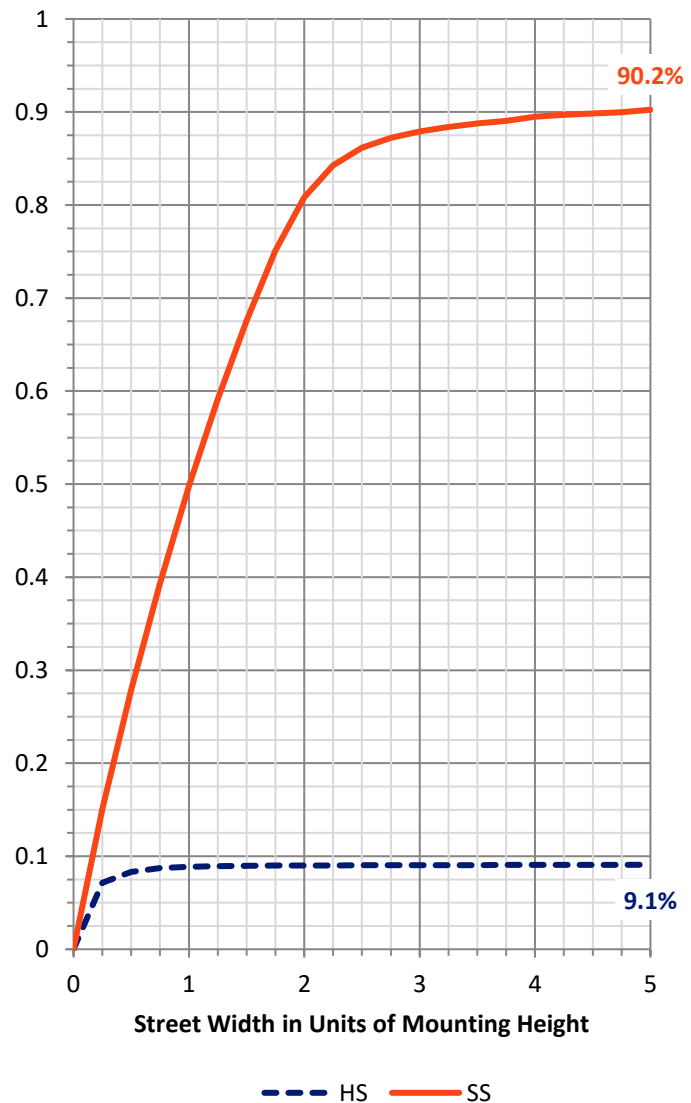
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	591.8	0.0	591.8
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	5855.2	0.0	5855.2
	% Fixture	90.8	0.0	90.8
Total	Lumens	6447.0	0.0	6447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	2.5
10°-20°	309.8	4.8
20°-30°	406.6	6.3
30°-40°	548.3	8.5
40°-50°	816.2	12.7
50°-60°	1266.2	19.6
60°-70°	1736.9	26.9
70°-80°	1094.9	17.0
80°-90°	109.6	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°	6447.0	100.0
0°-180°	6447.0	100.0

Coefficient of Utilization



REPORT NUMBER: P402627

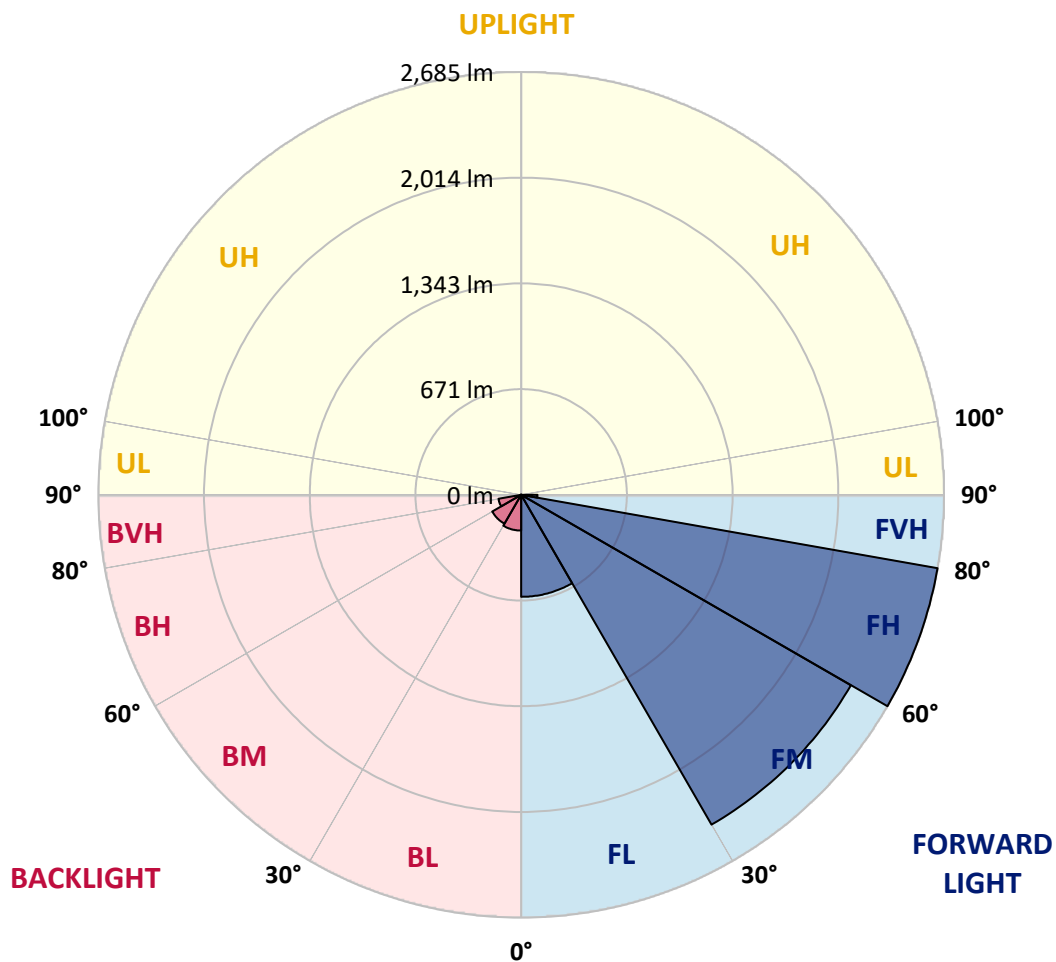
CATALOG NUMBER: GAN-AF-08-LED-U-SL3-AMB-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	647.8	10.0			
FM	(30°-60°)	2418.3	37.5			
FH	(60°-80°)	2685.3	41.7			G2/5000
FVH	(80°-90°)	103.7	1.6			G2/225
BL	(0°-30°)	227.0	3.5	B1/500		
BM	(30°-60°)	212.4	3.3	B0/220		
BH	(60°-80°)	146.4	2.3	B1/500		G1/500
BVH	(80°-90°)	5.9	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: P402627

CATALOG NUMBER: GAN-AF-08-LED-U-SL3-AMB-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8
2.5°	2073.5	2070.0	2070.0	2073.5	2077.0	2066.6	2066.6	2063.1	2052.7	2049.2	2028.4
5°	1941.5	1951.9	1951.9	1965.8	1979.7	1986.7	2014.5	2014.5	2011.0	2011.0	1979.7
7.5°	1781.8	1781.8	1806.1	1830.4	1865.1	1875.5	1906.8	1920.7	1927.6	1945.0	1917.2
10°	1639.4	1649.8	1653.2	1688.0	1719.2	1757.4	1809.5	1826.9	1844.3	1879.0	1851.2
12.5°	1531.7	1538.6	1549.0	1580.3	1618.5	1660.2	1722.7	1754.0	1771.3	1820.0	1799.1
15°	1420.5	1427.5	1448.3	1476.1	1528.2	1580.3	1649.8	1691.4	1722.7	1778.3	1760.9
17.5°	1347.6	1351.1	1354.5	1378.9	1431.0	1500.4	1587.3	1628.9	1670.6	1740.1	1733.1
20°	1312.9	1316.3	1312.9	1326.8	1358.0	1417.1	1521.3	1576.8	1622.0	1722.7	1712.3
22.5°	1302.5	1305.9	1299.0	1295.5	1309.4	1361.5	1455.3	1517.8	1580.3	1719.2	1705.3
25°	1309.4	1309.4	1299.0	1288.6	1288.6	1316.3	1396.2	1462.2	1538.6	1726.2	1698.4
27.5°	1337.2	1333.7	1323.3	1302.5	1285.1	1295.5	1358.0	1417.1	1500.4	1736.6	1698.4
30°	1371.9	1368.4	1365.0	1347.6	1316.3	1295.5	1340.7	1396.2	1479.6	1760.9	1701.9
32.5°	1410.1	1413.6	1413.6	1399.7	1365.0	1319.8	1351.1	1403.2	1483.1	1795.6	1712.3
35°	1479.6	1472.6	1483.1	1476.1	1437.9	1378.9	1403.2	1448.3	1517.8	1833.9	1736.6
37.5°	1545.6	1545.6	1559.5	1562.9	1528.2	1455.3	1486.5	1531.7	1573.4	1896.4	1781.8
40°	1622.0	1618.5	1639.4	1660.2	1632.4	1569.9	1601.1	1639.4	1677.6	1990.1	1858.2
42.5°	1684.5	1691.4	1722.7	1757.4	1767.9	1681.0	1733.1	1774.8	1792.2	2094.3	1972.8
45°	1743.5	1754.0	1813.0	1868.6	1903.3	1833.9	1892.9	1938.0	1955.4	2226.3	2111.7
47.5°	1806.1	1820.0	1892.9	1979.7	2042.2	2007.5	2073.5	2129.1	2139.5	2389.6	2320.1
50°	1872.1	1885.9	1969.3	2087.4	2191.6	2212.4	2295.8	2361.8	2351.4	2552.8	2532.0
52.5°	1955.4	1972.8	2087.4	2219.4	2361.8	2424.3	2552.8	2611.8	2580.6	2764.7	2726.5
55°	2174.2	2181.2	2261.1	2396.5	2542.4	2667.4	2855.0	2907.1	2827.2	2921.0	2924.4
57.5°	2545.9	2545.9	2563.2	2604.9	2740.4	2924.4	3223.1	3268.3	3118.9	3080.7	3098.1
60°	2768.1	2802.9	2875.8	2955.7	3018.2	3202.3	3514.9	3514.9	3303.0	3247.4	3254.4
62.5°	2712.6	2740.4	2955.7	3136.3	3417.6	3653.8	3830.9	3824.0	3511.4	3403.7	3452.4
65°	1986.7	2035.3	2313.2	2879.3	3573.9	4279.0	4358.9	4206.0	3768.4	3639.9	3837.9
67.5°	1066.3	1104.5	1337.2	1844.3	2820.2	4706.2	5442.5	4942.4	4230.4	4122.7	4230.4
70°	701.6	694.6	712.0	906.5	1542.1	3900.4	6894.3	6324.7	4997.9	4508.2	4233.8
72.5°	507.1	507.1	552.2	701.6	816.2	2094.3	6738.0	7474.3	5716.9	4518.6	3528.8
75°	340.4	347.3	420.3	566.1	760.6	687.7	5241.1	6404.6	5619.6	3393.3	1840.8
77.5°	177.1	187.6	277.9	448.0	698.1	614.8	2934.9	3966.4	3303.0	1559.5	409.8
80°	79.9	83.4	121.6	336.9	639.1	569.6	958.6	1767.9	1045.4	187.6	69.5
82.5°	38.2	38.2	52.1	166.7	527.9	489.7	590.4	628.6	246.6	59.0	48.6
85°	13.9	13.9	27.8	93.8	312.6	295.2	503.6	420.3	138.9	38.2	34.7
87.5°	6.9	6.9	10.4	27.8	83.4	239.7	347.3	277.9	59.0	13.9	13.9
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: P402627

CATALOG NUMBER: GAN-AF-08-LED-U-SL3-AMB-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8	2038.8
2.5°	2017.9	2007.5	1979.7	1955.4	1924.2	1882.5	1875.5	1833.9	1799.1	1795.6	1785.2
5°	1962.4	1931.1	1861.6	1760.9	1667.1	1590.7	1507.4	1455.3	1427.5	1396.2	1417.1
7.5°	1885.9	1833.9	1694.9	1538.6	1385.8	1253.8	1125.3	1031.5	993.3	937.8	948.2
10°	1806.1	1733.1	1531.7	1295.5	1097.5	903.0	736.3	597.4	524.5	500.1	500.1
12.5°	1750.5	1646.3	1365.0	1069.7	809.3	559.2	406.4	295.2	222.3	198.0	198.0
15°	1694.9	1566.4	1212.1	854.4	534.9	323.0	194.5	166.7	163.2	163.2	163.2
17.5°	1646.3	1472.6	1052.4	653.0	350.8	180.6	159.8	156.3	152.8	152.8	152.8
20°	1597.7	1389.3	916.9	468.9	194.5	152.8	145.9	145.9	145.9	145.9	142.4
22.5°	1552.5	1316.3	771.1	323.0	149.3	138.9	135.5	135.5	135.5	132.0	132.0
25°	1517.8	1250.4	639.1	204.9	132.0	128.5	125.0	121.6	118.1	118.1	118.1
27.5°	1483.1	1187.8	500.1	142.4	121.6	114.6	111.1	107.7	100.7	100.7	97.2
30°	1458.7	1125.3	399.4	121.6	111.1	104.2	97.2	90.3	83.4	79.9	79.9
32.5°	1444.9	1076.7	298.7	111.1	100.7	90.3	83.4	76.4	69.5	62.5	62.5
35°	1434.4	1028.1	204.9	100.7	90.3	79.9	72.9	62.5	52.1	48.6	48.6
37.5°	1451.8	993.3	138.9	93.8	83.4	72.9	59.0	52.1	45.2	41.7	41.7
40°	1490.0	965.6	111.1	86.8	76.4	62.5	52.1	41.7	34.7	31.3	31.3
42.5°	1556.0	955.1	97.2	83.4	69.5	55.6	41.7	34.7	31.3	27.8	27.8
45°	1677.6	951.7	90.3	76.4	62.5	45.2	34.7	27.8	24.3	20.8	20.8
47.5°	1813.0	958.6	86.8	72.9	55.6	41.7	31.3	24.3	20.8	17.4	17.4
50°	1979.7	986.4	79.9	66.0	52.1	34.7	24.3	20.8	13.9	13.9	13.9
52.5°	2139.5	1014.2	76.4	62.5	45.2	31.3	20.8	13.9	13.9	10.4	10.4
55°	2295.8	1076.7	69.5	62.5	41.7	24.3	17.4	13.9	10.4	6.9	6.9
57.5°	2452.1	1121.8	66.0	55.6	34.7	20.8	13.9	10.4	6.9	6.9	6.9
60°	2611.8	1163.5	59.0	48.6	27.8	17.4	10.4	6.9	6.9	6.9	6.9
62.5°	2813.3	1233.0	52.1	41.7	24.3	13.9	10.4	6.9	3.5	3.5	3.5
65°	3191.9	1351.1	45.2	34.7	17.4	13.9	10.4	6.9	3.5	3.5	3.5
67.5°	3435.0	1333.7	38.2	27.8	17.4	10.4	6.9	6.9	3.5	3.5	3.5
70°	3386.4	1205.2	31.3	24.3	13.9	10.4	6.9	6.9	3.5	3.5	3.5
72.5°	2632.7	732.8	27.8	20.8	13.9	10.4	6.9	6.9	3.5	3.5	3.5
75°	1201.7	163.2	24.3	17.4	10.4	10.4	6.9	6.9	3.5	3.5	3.5
77.5°	211.9	41.7	20.8	13.9	13.9	10.4	10.4	6.9	3.5	3.5	3.5
80°	55.6	27.8	20.8	13.9	13.9	17.4	13.9	10.4	3.5	3.5	3.5
82.5°	38.2	20.8	20.8	17.4	17.4	20.8	17.4	10.4	3.5	3.5	3.5
85°	27.8	17.4	20.8	20.8	13.9	17.4	17.4	10.4	3.5	3.5	3.5
87.5°	13.9	6.9	6.9	6.9	6.9	10.4	10.4	3.5	3.5	3.5	3.5
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)