

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: McGRAW-EDISON

Report Number: P534622

Luminaire Tested: **GALN-SA8A-AMB-U-SL3**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-AMB-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7658 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 158.1
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

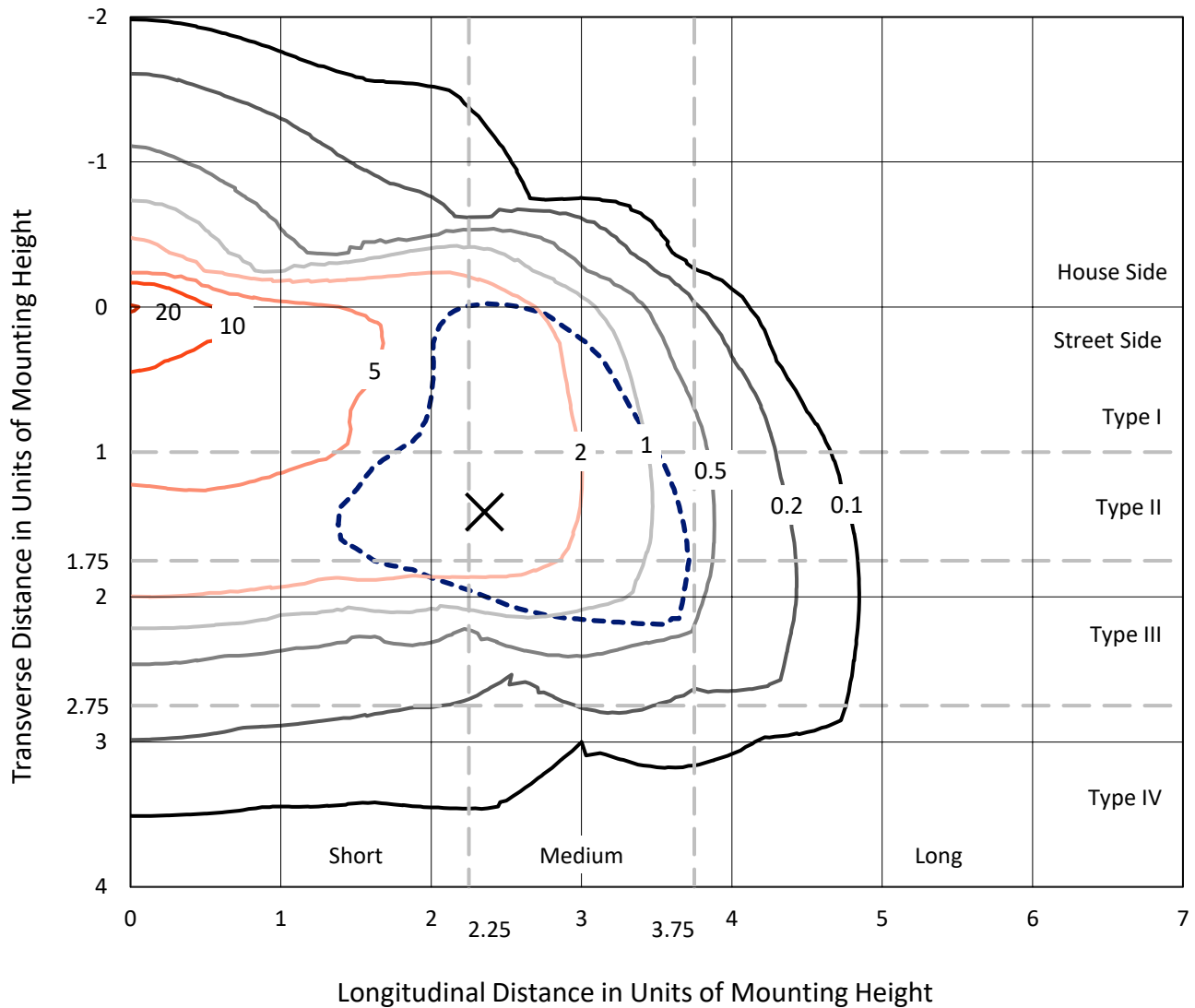


REPORT NUMBER: P534622

CATALOG NUMBER: GALN-SA8A-AMB-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

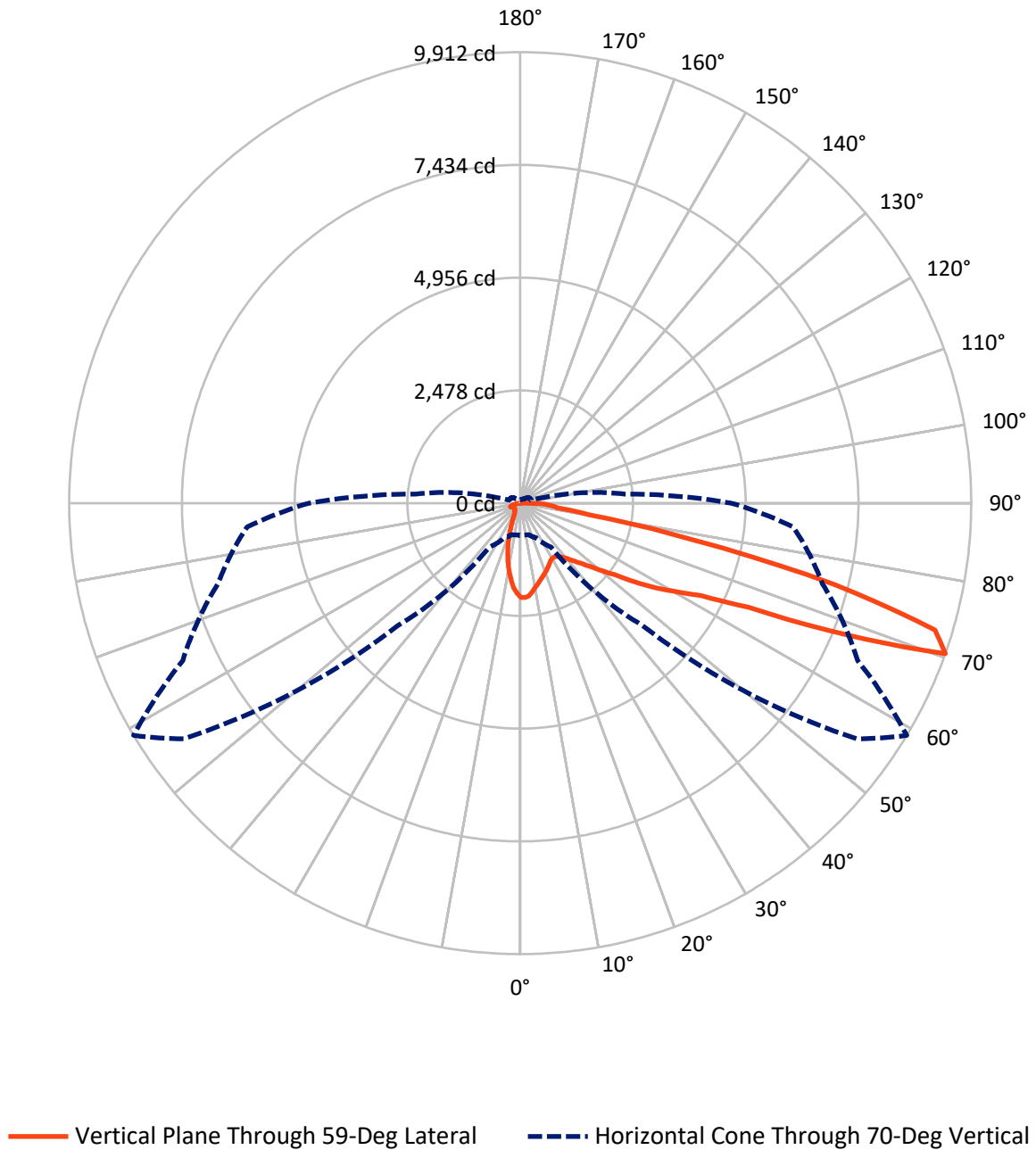


Based on 10 foot mounting height. Maximum calculated value = 20.7 fc
Type III - Medium - N/A

REPORT NUMBER: P534622

CATALOG NUMBER: GALN-SA8A-AMB-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P534622

CATALOG NUMBER: GALN-SA8A-AMB-U-SL3

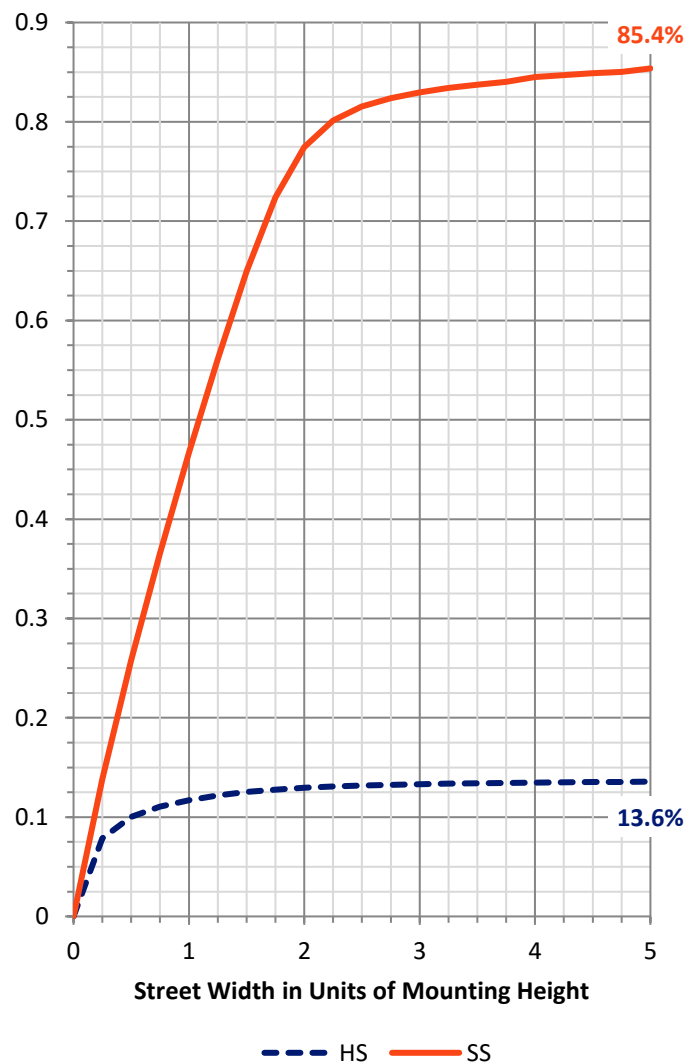
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1049.5	0.0	1049.5
	% Fixture	13.7	0.0	13.7
Street Side	Lumens	6608.5	0.0	6608.5
	% Fixture	86.3	0.0	86.3
Total	Lumens	7658.0	0.0	7658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.2	2.2
10°-20°	355.9	4.6
20°-30°	449.6	5.9
30°-40°	588.4	7.7
40°-50°	874.1	11.4
50°-60°	1432.0	18.7
60°-70°	2228.0	29.1
70°-80°	1380.0	18.0
80°-90°	179.9	2.3
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°	7658.0	100.0
0°-180°	7658.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534622

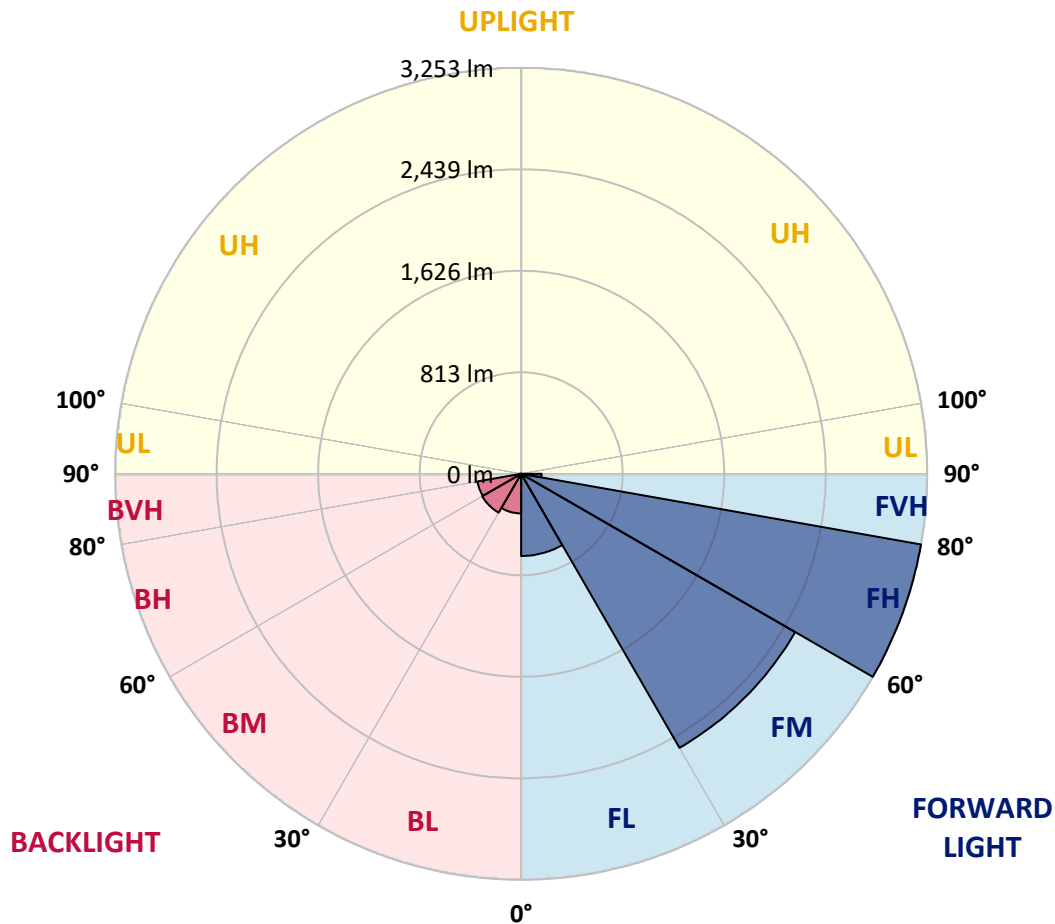
CATALOG NUMBER: GALN-SA8A-AMB-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	658.5	8.6			
FM	(30°-60°)	2534.8	33.1			
FH	(60°-80°)	3252.7	42.5			G2/5000
FVH	(80°-90°)	162.7	2.1			G2/225
BL	(0°-30°)	317.1	4.1	B1/500		
BM	(30°-60°)	359.8	4.7	B1/1000		
BH	(60°-80°)	355.3	4.6	B1/500		G1/500
BVH	(80°-90°)	17.3	0.2			G1/100
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: P534622

CATALOG NUMBER: GALN-SA8A-AMB-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7
2.5°	2081.5	2081.5	2081.5	2064.5	2095.1	2084.9	2088.3	2078.1	2084.9	2074.7	2064.5
5°	1979.7	1979.7	1972.9	1976.3	2003.4	2023.8	2037.4	2044.2	2030.6	2037.4	2017.0
7.5°	1809.9	1823.5	1826.8	1843.8	1877.8	1915.1	1938.9	1955.9	1962.7	1966.1	1942.3
10°	1650.3	1653.7	1677.4	1697.8	1755.5	1799.7	1854.0	1867.6	1888.0	1915.1	1891.4
12.5°	1534.8	1551.8	1558.6	1585.8	1646.9	1697.8	1762.3	1796.3	1826.8	1877.8	1867.6
15°	1429.6	1426.2	1439.7	1483.9	1548.4	1623.1	1697.8	1725.0	1772.5	1840.4	1826.8
17.5°	1348.1	1348.1	1365.0	1402.4	1453.3	1531.4	1633.3	1663.9	1728.4	1816.7	1789.5
20°	1307.3	1310.7	1317.5	1327.7	1368.4	1460.1	1555.2	1606.1	1677.4	1796.3	1762.3
22.5°	1300.5	1297.1	1293.7	1297.1	1320.9	1371.8	1480.5	1545.0	1640.1	1786.1	1728.4
25°	1310.7	1307.3	1303.9	1300.5	1300.5	1334.5	1429.6	1483.9	1595.9	1782.7	1694.4
27.5°	1337.9	1344.7	1327.7	1310.7	1293.7	1307.3	1371.8	1429.6	1551.8	1796.3	1677.4
30°	1385.4	1388.8	1382.0	1358.3	1324.3	1307.3	1348.1	1399.0	1514.5	1809.9	1663.9
32.5°	1439.7	1439.7	1439.7	1419.4	1378.6	1331.1	1351.5	1399.0	1511.1	1843.8	1653.7
35°	1497.5	1511.1	1511.1	1490.7	1456.7	1378.6	1392.2	1436.4	1538.2	1888.0	1680.8
37.5°	1579.0	1582.4	1579.0	1582.4	1545.0	1463.5	1466.9	1504.3	1585.8	1952.5	1721.6
40°	1657.1	1646.9	1670.6	1691.0	1667.3	1575.6	1565.4	1606.1	1670.6	2057.8	1796.3
42.5°	1728.4	1731.8	1748.7	1786.1	1806.5	1721.6	1704.6	1735.2	1779.3	2183.4	1921.9
45°	1796.3	1806.5	1871.0	1911.7	1952.5	1867.6	1857.4	1891.4	1938.9	2332.8	2108.7
47.5°	1857.4	1864.2	1945.7	2044.2	2115.5	2078.1	2064.5	2088.3	2112.1	2550.1	2343.0
50°	1915.1	1938.9	2044.2	2169.8	2292.0	2332.8	2305.6	2332.8	2329.4	2770.8	2601.1
52.5°	2074.7	2098.5	2214.0	2339.6	2482.2	2594.3	2638.4	2621.4	2597.7	3015.3	2896.5
55°	2421.1	2410.9	2472.0	2550.1	2713.1	2859.1	3076.4	3049.3	2944.0	3270.0	3188.5
57.5°	2760.6	2815.0	2815.0	2794.6	2957.6	3208.9	3497.5	3504.3	3303.9	3545.0	3534.9
60°	2896.5	2957.6	3096.8	3280.2	3473.7	3609.6	3949.1	3949.1	3670.7	3857.4	3891.4
62.5°	2584.1	2672.4	2889.7	3263.2	3955.9	4672.4	4635.0	4478.8	4163.0	4305.7	4455.1
65°	1595.9	1619.7	1891.4	2631.6	3772.5	5616.4	5959.3	5507.7	4913.5	5062.9	5388.9
67.5°	961.0	974.5	1035.7	1351.5	2397.3	5517.9	8006.9	7711.5	6292.1	6112.1	6149.5
70°	709.7	699.5	716.5	845.5	1174.9	3806.5	9029.0	9911.8	8180.1	6879.5	6023.8
72.5°	563.7	570.5	577.3	702.9	876.1	1582.4	7867.7	9531.5	8781.1	6478.9	4563.7
75°	441.4	444.8	478.8	594.2	838.7	852.3	4981.4	7120.6	6529.8	4377.0	2003.4
77.5°	329.4	339.6	373.5	495.8	804.8	818.3	2169.8	3901.6	3317.5	1799.7	536.5
80°	217.3	220.7	254.7	407.5	760.6	821.7	981.3	1528.0	1022.1	383.7	196.9
82.5°	122.2	129.0	159.6	254.7	628.2	798.0	825.1	818.3	465.2	190.2	105.3
85°	67.9	67.9	95.1	149.4	373.5	774.2	781.0	689.3	322.6	105.3	57.7
87.5°	30.6	30.6	44.1	67.9	176.6	512.7	577.3	492.4	203.7	44.1	20.4
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: P534622

CATALOG NUMBER: GALN-SA8A-AMB-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7	2074.7
2.5°	2047.6	2034.0	2017.0	1979.7	1976.3	1949.1	1942.3	1911.7	1894.8	1918.5	1898.2
5°	2010.2	1993.2	1928.7	1904.9	1823.5	1772.5	1735.2	1687.6	1653.7	1653.7	1657.1
7.5°	1938.9	1908.3	1820.1	1735.2	1633.3	1548.4	1463.5	1368.4	1324.3	1317.5	1286.9
10°	1874.4	1826.8	1704.6	1572.2	1433.0	1283.5	1154.5	1028.9	930.4	859.1	862.5
12.5°	1820.1	1762.3	1595.9	1416.0	1208.8	1018.7	825.1	675.7	577.3	553.5	553.5
15°	1779.3	1684.2	1473.7	1239.4	994.9	747.0	560.3	455.0	407.5	383.7	383.7
17.5°	1714.8	1595.9	1351.5	1069.6	760.6	526.3	414.3	366.7	346.4	339.6	336.2
20°	1650.3	1514.5	1191.9	859.1	550.1	383.7	336.2	315.8	309.0	309.0	312.4
22.5°	1592.6	1412.6	1039.1	645.2	393.9	315.8	288.6	281.8	285.2	292.0	288.6
25°	1538.2	1327.7	889.7	472.0	305.6	264.9	258.1	258.1	264.9	271.7	275.0
27.5°	1487.3	1263.2	726.7	349.7	258.1	234.3	234.3	241.1	251.3	254.7	258.1
30°	1449.9	1188.5	573.9	278.4	224.1	217.3	217.3	224.1	227.5	234.3	234.3
32.5°	1419.4	1127.3	438.0	237.7	207.1	203.7	203.7	207.1	210.5	213.9	217.3
35°	1409.2	1062.8	343.0	210.5	196.9	193.6	193.6	193.6	196.9	200.3	200.3
37.5°	1419.4	1015.3	278.4	196.9	186.8	183.4	183.4	183.4	183.4	183.4	183.4
40°	1466.9	981.3	241.1	190.2	180.0	176.6	173.2	173.2	173.2	176.6	176.6
42.5°	1565.4	950.8	224.1	183.4	176.6	169.8	166.4	163.0	163.0	169.8	169.8
45°	1697.8	954.2	213.9	180.0	173.2	163.0	156.2	156.2	159.6	166.4	169.8
47.5°	1864.2	988.1	207.1	176.6	166.4	156.2	152.8	152.8	156.2	166.4	166.4
50°	2067.9	1052.6	207.1	176.6	166.4	152.8	149.4	149.4	152.8	163.0	166.4
52.5°	2298.8	1164.7	210.5	176.6	166.4	152.8	146.0	146.0	149.4	159.6	159.6
55°	2601.1	1320.9	217.3	180.0	163.0	152.8	146.0	139.2	142.6	149.4	149.4
57.5°	2865.9	1551.8	227.5	180.0	163.0	152.8	142.6	132.4	132.4	139.2	139.2
60°	3287.0	1871.0	268.3	190.2	163.0	146.0	132.4	122.2	122.2	125.6	125.6
62.5°	3847.2	2414.3	309.0	207.1	173.2	142.6	125.6	115.5	112.1	112.1	112.1
65°	4787.8	3011.9	315.8	227.5	190.2	142.6	115.5	105.3	101.9	101.9	101.9
67.5°	5154.6	3022.1	288.6	237.7	210.5	142.6	112.1	98.5	91.7	91.7	91.7
70°	4645.2	2305.6	254.7	237.7	220.7	139.2	108.7	95.1	84.9	81.5	81.5
72.5°	3164.7	1229.2	227.5	224.1	196.9	122.2	105.3	88.3	78.1	74.7	71.3
75°	1266.6	427.8	196.9	203.7	152.8	98.5	88.3	78.1	71.3	64.5	64.5
77.5°	319.2	210.5	149.4	159.6	108.7	78.1	74.7	71.3	61.1	57.7	57.7
80°	176.6	142.6	112.1	108.7	71.3	54.3	54.3	54.3	50.9	47.5	47.5
82.5°	98.5	88.3	74.7	67.9	47.5	37.4	37.4	37.4	37.4	34.0	30.6
85°	54.3	50.9	44.1	34.0	27.2	20.4	20.4	20.4	20.4	17.0	17.0
87.5°	20.4	20.4	17.0	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4
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)