

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634427

Luminaire Tested: GWS-SA3B-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8956.7 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

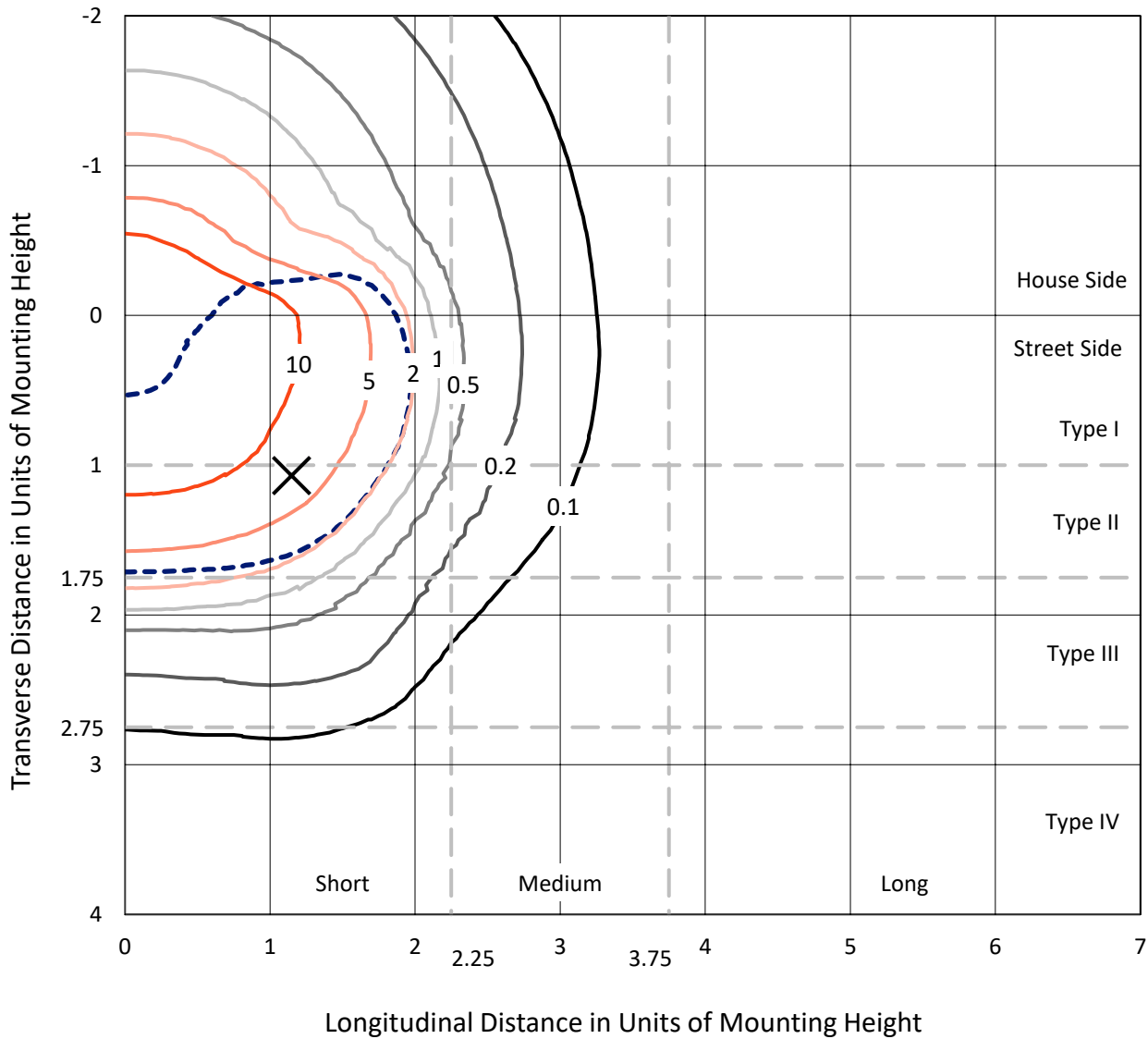
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634427
 CATALOG NUMBER: GWS-SA3B-760-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

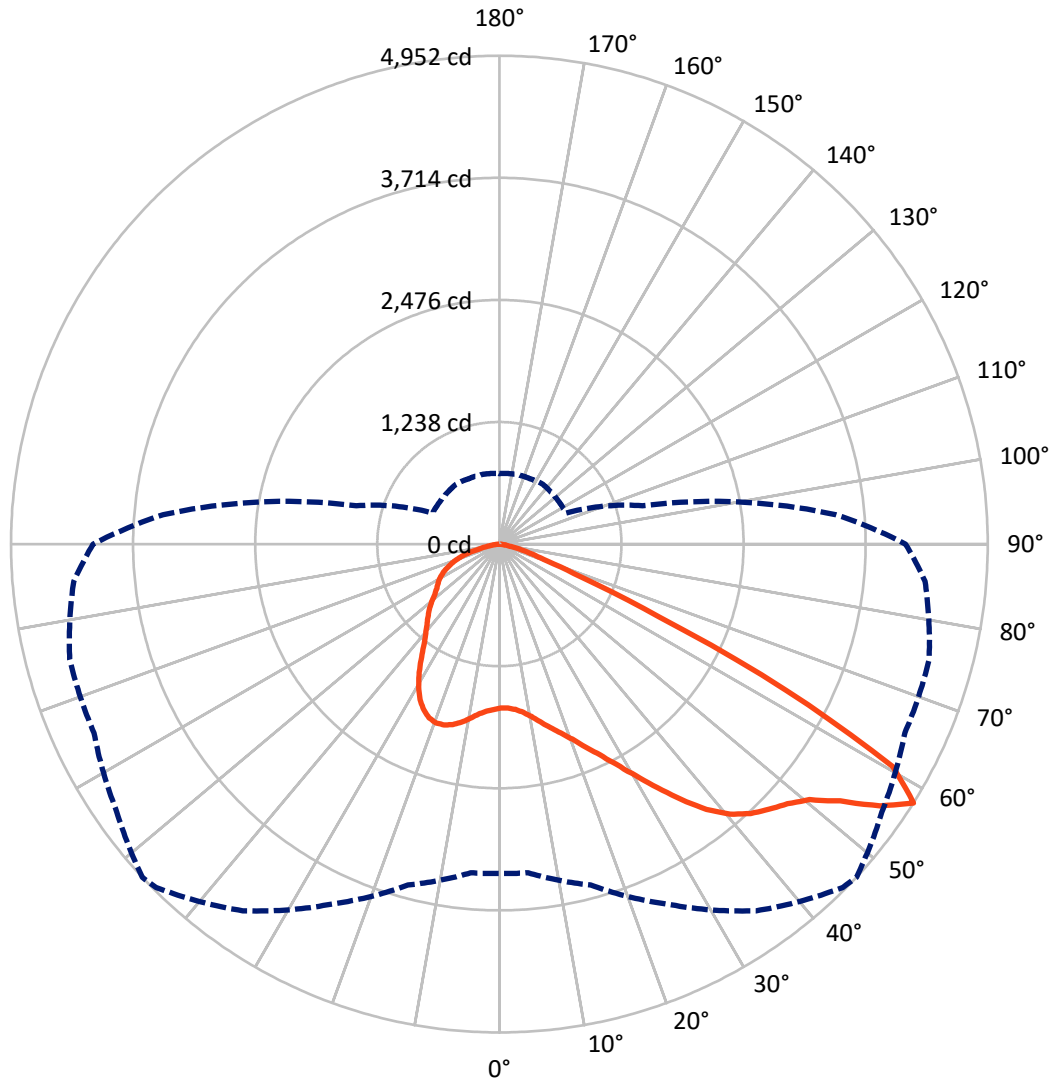
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type II - Short - N/A

REPORT NUMBER: P634427
CATALOG NUMBER: GWS-SA3B-760-U-T3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634427

CATALOG NUMBER: GWS-SA3B-760-U-T3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2834.8	0.0	2834.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6121.9	0.0	6121.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	8956.7	0.0	8956.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	1.8
10°-20°	538.8	6.0
20°-30°	970.2	10.8
30°-40°	1465.5	16.4
40°-50°	1973.4	22.0
50°-60°	2371.3	26.5
60°-70°	1154.9	12.9
70°-80°	284.5	3.2
80°-90°	34.2	0.4
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°	8956.7	100.0
0°-180°	8956.7	100.0

Coefficient of Utilization



REPORT NUMBER: P634427

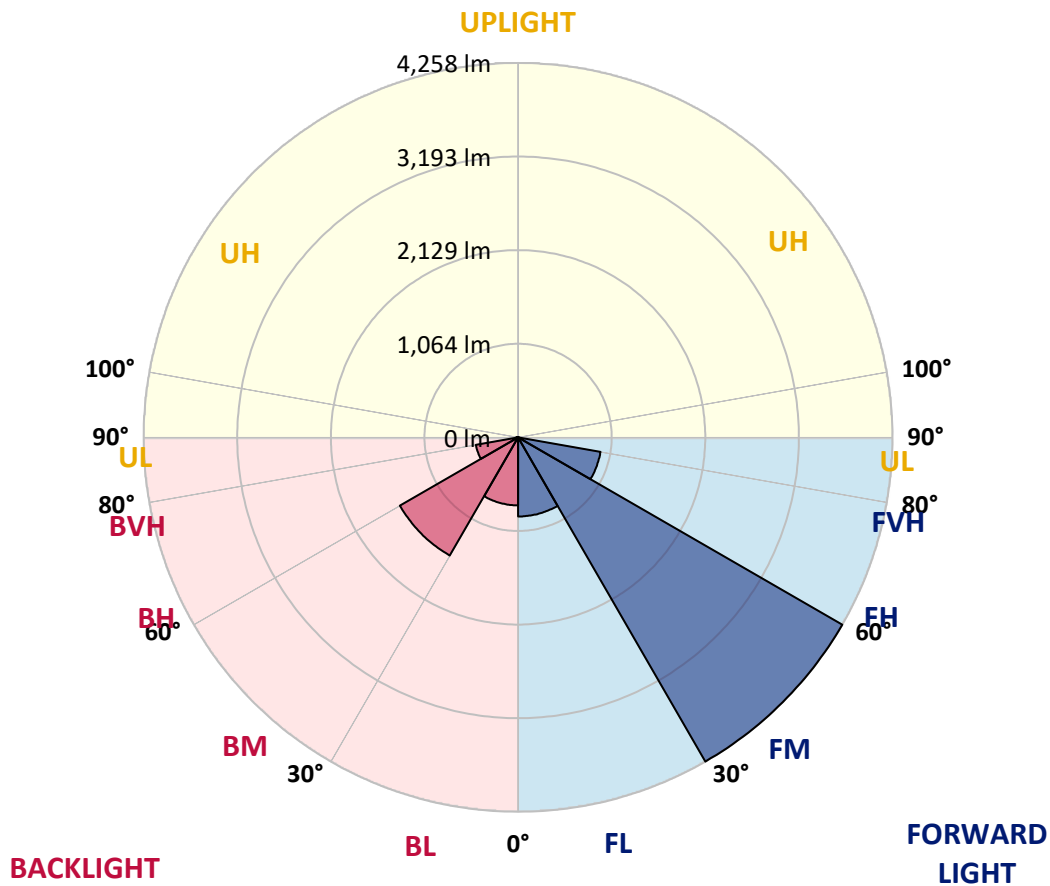
CATALOG NUMBER: GWS-SA3B-760-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	899.7	10.0			
FM (30°-60°)	4257.6	47.5			
FH (60°-80°)	951.8	10.6			G1/1800
FVH (80°-90°)	12.9	0.1			G1/100
BL (0°-30°)	773.3	8.6	B2/1000		
BM (30°-60°)	1552.6	17.3	B2/2500		
BH (60°-80°)	487.6	5.4	B1/500		G1/500
BVH (80°-90°)	21.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P634427

CATALOG NUMBER: GWS-SA3B-760-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0
2.5°	1658.0	1657.3	1657.3	1661.8	1661.8	1663.3	1665.5	1667.8	1668.6	1664.8	1656.5
5°	1676.1	1676.1	1676.1	1679.8	1679.8	1681.3	1684.4	1685.1	1684.4	1678.3	1670.1
7.5°	1704.7	1704.7	1705.4	1709.9	1713.7	1715.9	1721.2	1720.5	1718.2	1708.4	1697.9
10°	1751.3	1753.6	1755.8	1761.1	1768.6	1773.9	1777.6	1777.6	1774.6	1759.6	1746.0
12.5°	1817.5	1820.5	1822.8	1827.3	1833.3	1842.3	1850.6	1850.6	1846.8	1828.0	1807.7
15°	1895.0	1898.0	1897.2	1898.8	1910.0	1922.8	1929.6	1934.1	1935.6	1909.3	1877.7
17.5°	1983.8	1986.8	1983.8	1979.2	1980.8	2001.1	2013.1	2029.6	2039.4	2004.1	1953.7
20°	2064.3	2061.2	2061.2	2064.3	2068.8	2093.6	2111.6	2138.7	2150.8	2107.9	2029.6
22.5°	2149.3	2156.0	2153.0	2153.0	2171.1	2212.5	2234.3	2269.6	2282.4	2226.7	2121.4
25°	2259.1	2265.1	2263.6	2265.1	2286.2	2344.9	2366.7	2432.1	2444.9	2365.2	2223.0
27.5°	2379.5	2389.2	2393.8	2392.2	2426.1	2502.8	2529.9	2620.9	2644.3	2520.1	2331.3
30°	2535.9	2546.5	2550.2	2548.7	2588.6	2693.2	2724.0	2827.8	2860.9	2703.7	2469.0
32.5°	2717.2	2727.8	2739.0	2743.6	2794.7	2901.5	2945.9	3053.5	3100.9	2915.8	2635.2
35°	2897.0	2906.1	2927.9	2963.2	3033.2	3142.3	3181.4	3287.5	3333.4	3136.3	2836.1
37.5°	3095.6	3101.6	3120.5	3169.4	3270.2	3374.0	3413.1	3514.6	3519.9	3349.1	3063.3
40°	3313.0	3313.0	3309.3	3357.4	3462.7	3567.3	3601.2	3659.8	3629.0	3513.1	3284.5
42.5°	3497.3	3494.3	3497.3	3542.5	3620.7	3705.7	3735.1	3723.8	3684.7	3638.8	3484.6
45°	3663.6	3665.9	3692.9	3727.5	3768.2	3818.6	3835.9	3771.9	3736.6	3739.6	3644.8
47.5°	3776.4	3778.7	3841.9	3899.8	3924.6	3940.4	3932.9	3844.1	3826.1	3859.9	3768.2
50°	3791.5	3803.5	3912.6	4031.5	4093.2	4095.4	4074.3	3966.0	3960.8	3999.1	3834.4
52.5°	3794.5	3806.5	3942.7	4157.1	4317.3	4351.2	4327.1	4214.3	4159.4	4121.0	3915.6
55°	3783.2	3796.8	3947.2	4241.4	4548.3	4683.7	4685.9	4526.5	4351.2	4325.6	4147.3
57.5°	3340.1	3345.4	3578.6	4027.0	4539.3	4922.9	4952.3	4735.6	4535.5	4511.4	4333.1
60°	2326.8	2347.9	2601.4	3193.4	3813.3	4489.6	4584.4	4521.2	4387.3	4212.0	3717.8
62.5°	1165.3	1183.3	1437.6	1997.3	2630.0	3164.1	3265.6	3332.6	3364.2	3176.1	2531.4
65°	501.8	515.3	673.3	1043.4	1488.8	1746.8	1782.1	1862.6	2059.7	1837.8	1363.9
67.5°	335.5	344.5	425.0	636.4	877.2	893.7	888.4	905.7	948.6	783.1	616.1
70°	257.3	264.8	319.0	466.4	630.4	539.4	510.8	463.4	503.3	513.1	499.5
72.5°	186.6	192.6	233.2	318.2	394.9	344.5	340.0	364.1	418.3	433.3	425.0
75°	120.4	123.4	148.2	174.5	203.9	221.2	230.2	273.8	328.7	340.0	330.3
77.5°	80.5	82.8	97.0	112.1	115.9	116.6	119.6	139.2	176.8	197.8	195.6
80°	42.1	42.1	47.4	47.4	54.2	64.7	67.7	80.5	97.8	108.3	109.1
82.5°	16.6	17.3	20.3	22.6	27.1	33.1	35.4	42.1	51.2	58.7	65.4
85°	6.8	7.5	8.3	9.8	12.0	15.0	15.8	18.1	24.1	30.1	33.9
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	2.3	3.0	3.8	6.8	9.0
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: P634427

CATALOG NUMBER: GWS-SA3B-760-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0
2.5°	1666.3	1656.5	1666.3	1669.3	1677.6	1680.6	1675.3	1674.6	1674.6	1667.1	1664.8
5°	1677.6	1668.6	1678.3	1682.8	1694.9	1702.4	1703.9	1709.9	1713.7	1710.7	1709.9
7.5°	1705.4	1694.1	1704.7	1711.4	1727.2	1739.3	1744.5	1758.1	1767.9	1766.4	1765.6
10°	1754.3	1739.3	1751.3	1762.6	1779.9	1794.2	1794.9	1802.5	1812.2	1809.2	1807.7
12.5°	1810.7	1796.4	1810.0	1821.3	1841.6	1847.6	1837.8	1834.8	1836.3	1832.6	1829.5
15°	1879.9	1859.6	1871.7	1884.5	1895.7	1889.0	1867.9	1859.6	1858.9	1853.6	1850.6
17.5°	1949.2	1923.6	1932.6	1939.4	1934.1	1913.0	1886.7	1872.4	1865.7	1855.1	1852.1
20°	2017.6	1985.3	1983.8	1978.5	1954.4	1916.1	1880.7	1852.1	1834.8	1820.5	1815.3
22.5°	2095.9	2050.7	2028.1	2004.1	1951.4	1889.0	1835.6	1794.9	1767.1	1749.0	1743.0
25°	2180.1	2116.2	2069.5	2021.4	1921.3	1831.0	1756.6	1700.9	1667.8	1648.2	1641.5
27.5°	2263.6	2175.6	2105.6	2023.6	1861.1	1747.5	1647.5	1572.3	1539.2	1523.4	1518.1
30°	2376.5	2254.6	2148.5	1994.3	1782.1	1631.7	1506.8	1430.8	1409.0	1397.7	1393.2
32.5°	2506.6	2354.6	2205.7	1932.6	1681.3	1496.3	1364.6	1312.0	1296.9	1275.1	1274.4
35°	2678.1	2497.6	2259.8	1841.6	1554.2	1351.1	1255.6	1217.9	1190.9	1156.3	1153.2
37.5°	2878.2	2675.9	2289.2	1725.7	1406.0	1231.5	1174.3	1132.2	1088.5	1042.7	1036.6
40°	3085.1	2884.2	2291.4	1588.8	1260.8	1152.5	1104.3	1049.4	995.3	944.1	937.3
42.5°	3302.5	3078.3	2251.6	1430.8	1142.0	1084.0	1035.1	965.9	905.0	870.4	866.6
45°	3496.6	3234.8	2161.3	1264.6	1053.9	1026.9	964.4	889.9	857.6	832.8	827.5
47.5°	3649.3	3338.6	2039.4	1115.6	982.5	968.2	886.9	848.6	823.7	801.2	795.9
50°	3724.5	3361.9	1880.7	994.5	916.3	899.0	843.3	814.0	797.4	779.4	774.8
52.5°	3817.8	3388.3	1743.8	893.0	851.6	828.3	807.2	783.9	771.8	760.6	756.8
55°	4032.2	3487.6	1671.6	811.7	789.9	779.4	776.4	756.8	753.0	745.5	738.7
57.5°	4119.5	3423.6	1500.8	745.5	741.0	742.5	750.0	732.0	728.2	719.2	714.7
60°	3313.0	2587.8	1016.3	688.3	700.4	710.2	717.7	699.6	694.4	692.8	686.8
62.5°	2122.9	1591.8	709.4	634.9	653.0	665.0	669.5	652.2	648.5	660.5	661.3
65°	1105.1	867.4	575.5	577.8	592.8	610.9	619.9	613.9	612.4	625.1	625.9
67.5°	564.2	530.4	501.8	510.0	522.1	545.4	566.5	592.8	601.8	603.3	604.1
70°	480.7	465.7	451.4	456.6	469.4	482.2	502.5	515.3	500.3	496.5	495.0
72.5°	409.2	398.0	391.2	397.2	404.0	401.7	395.7	401.7	404.0	404.7	405.5
75°	318.2	309.9	304.7	305.4	305.4	297.2	285.9	279.1	271.6	265.6	265.6
77.5°	194.8	196.3	201.6	200.9	200.1	197.1	185.8	179.8	161.7	156.5	156.5
80°	111.3	113.6	118.9	120.4	120.4	116.6	105.3	98.5	90.3	86.5	85.8
82.5°	67.7	70.7	73.7	75.2	76.0	71.5	61.7	56.4	51.9	48.1	48.1
85°	35.4	36.9	39.9	40.6	38.4	33.9	28.6	26.3	21.8	21.1	21.1
87.5°	9.8	10.5	12.0	9.8	9.0	6.8	3.8	3.0	1.5	0.8	0.8
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)