

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: P634433

Luminaire Tested: GWS-SA3B-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10668.2 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

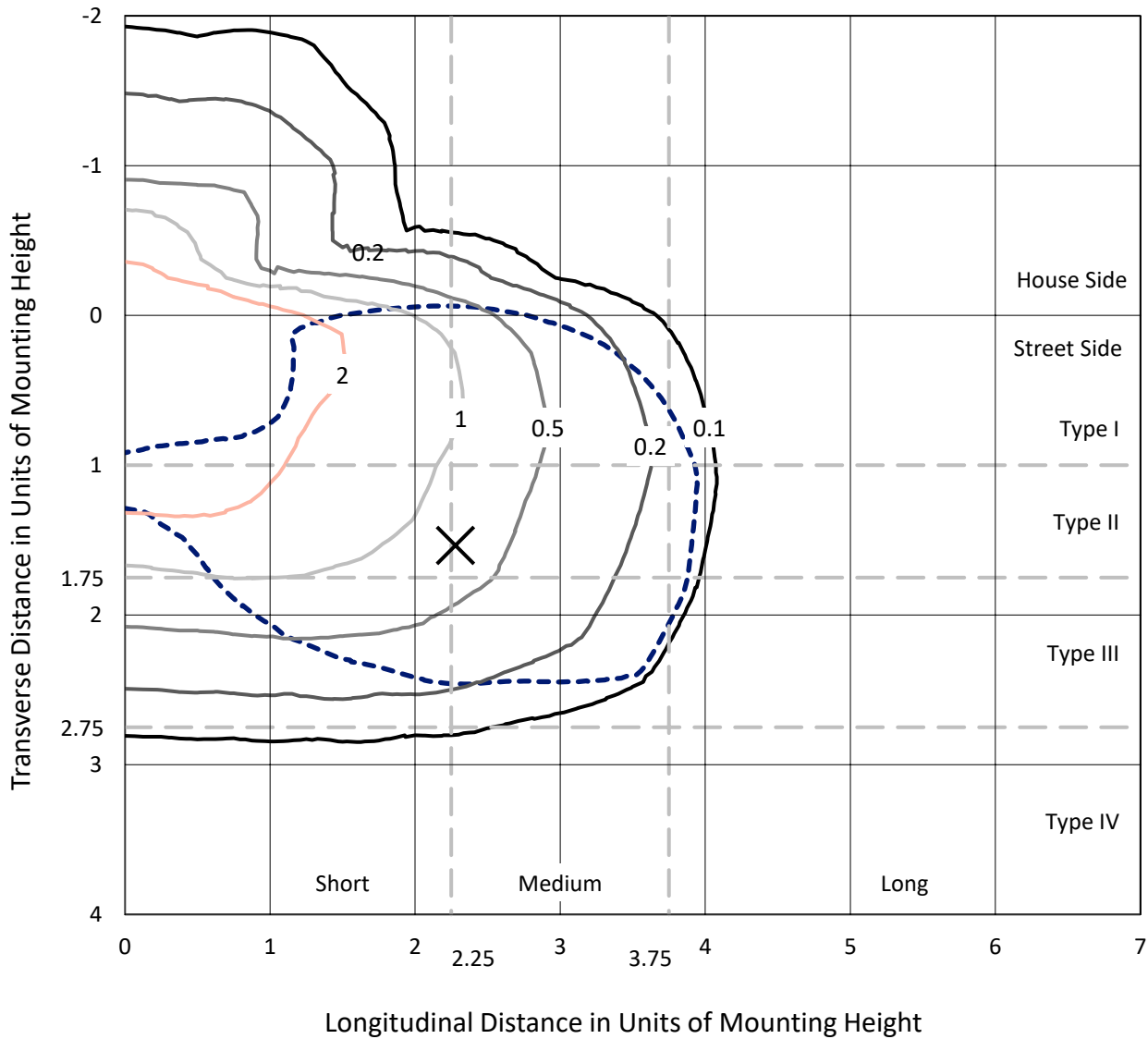


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Iso-Footcandle Lines of Horizontal Illumination

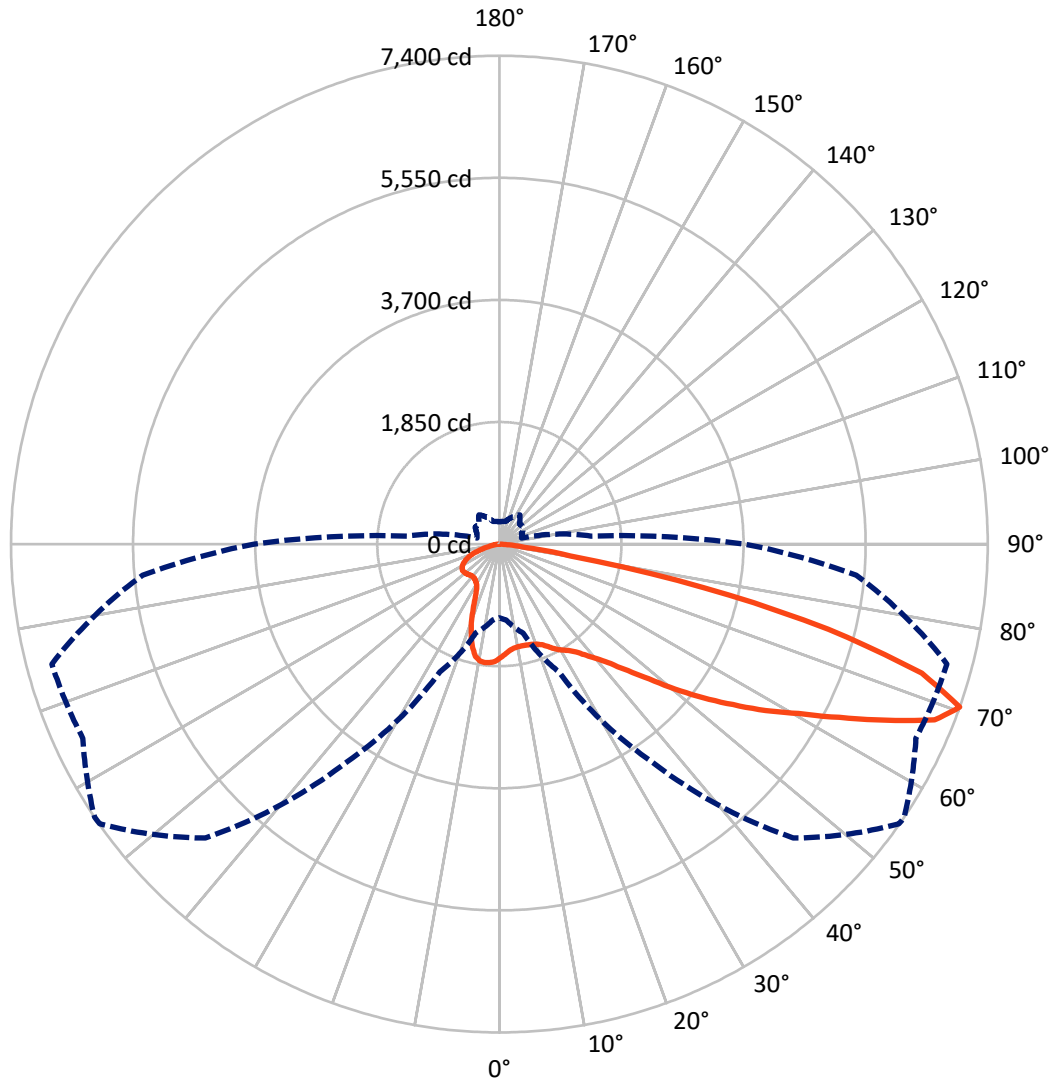
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2051.0	0.0	2051.0
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	8617.2	0.0	8617.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	10668.2	0.0	10668.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	1.5
10°-20°	431.8	4.0
20°-30°	713.8	6.7
30°-40°	1067.3	10.0
40°-50°	1588.3	14.9
50°-60°	2258.0	21.2
60°-70°	2796.7	26.2
70°-80°	1544.2	14.5
80°-90°	108.8	1.0
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°	10668.2	100.0
0°-180°	10668.2	100.0

Coefficient of Utilization



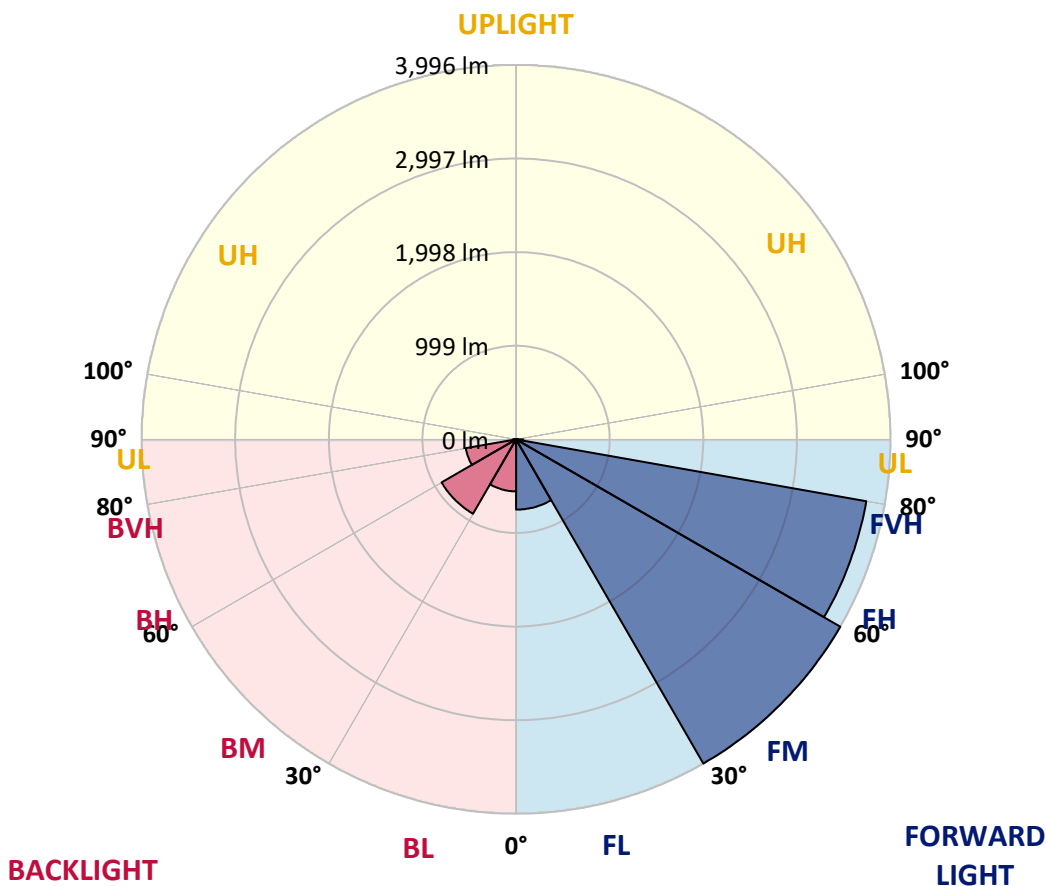
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	749.7	7.0			
FM (30°-60°)	3996.1	37.5			
FH (60°-80°)	3795.7	35.6			G2/5000
FVH (80°-90°)	75.6	0.7			G1/100
BL (0°-30°)	555.2	5.2	B2/1000		
BM (30°-60°)	917.4	8.6	B1/1000		
BH (60°-80°)	545.1	5.1	B2/1000		G2/1000
BVH (80°-90°)	33.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0
2.5°	1611.4	1602.4	1612.9	1618.2	1631.7	1651.3	1668.6	1669.4	1678.4	1700.2	1721.3
5°	1538.5	1533.9	1536.9	1552.7	1567.0	1591.9	1618.2	1620.5	1646.0	1688.9	1731.0
7.5°	1482.0	1476.0	1487.3	1507.6	1525.7	1553.5	1588.1	1591.1	1627.2	1691.9	1756.6
10°	1400.8	1396.3	1417.3	1444.4	1483.5	1529.4	1575.3	1579.1	1626.5	1711.5	1801.8
12.5°	1365.4	1365.4	1374.4	1400.0	1442.9	1503.8	1573.1	1579.1	1638.5	1741.6	1859.7
15°	1420.3	1424.1	1416.6	1415.1	1432.4	1490.3	1576.1	1585.1	1661.1	1772.4	1916.9
17.5°	1530.9	1534.7	1515.1	1484.3	1467.0	1503.1	1587.4	1597.1	1685.1	1806.3	1978.5
20°	1685.9	1690.4	1647.5	1600.1	1540.7	1540.0	1609.2	1618.2	1716.0	1843.1	2044.0
22.5°	1867.2	1870.2	1816.0	1740.8	1649.8	1608.4	1646.8	1655.8	1755.9	1894.3	2114.7
25°	2077.1	2086.1	2020.7	1911.6	1788.2	1702.5	1709.2	1719.8	1827.3	1962.7	2198.2
27.5°	2301.3	2312.6	2237.3	2117.0	1946.9	1806.3	1789.7	1798.7	1903.3	2004.9	2242.6
30°	2530.7	2539.0	2463.8	2326.1	2117.7	1923.6	1857.4	1862.7	1936.4	2025.2	2287.7
32.5°	2785.8	2779.0	2706.8	2548.0	2314.8	2064.3	1920.6	1919.1	1973.3	2065.8	2352.4
35°	3025.0	3034.8	2958.0	2782.8	2531.5	2238.1	2015.4	2009.4	2051.5	2132.0	2443.5
37.5°	3314.6	3311.6	3219.8	3030.3	2748.9	2404.3	2148.6	2138.0	2153.1	2235.1	2570.6
40°	3521.5	3542.6	3483.1	3306.4	3003.2	2609.0	2304.3	2281.0	2284.7	2362.2	2740.6
42.5°	3690.8	3710.3	3716.4	3603.5	3294.3	2861.7	2498.4	2475.1	2477.3	2587.2	2949.8
45°	3820.9	3847.3	3932.3	3899.2	3622.3	3153.6	2760.9	2736.9	2738.4	2860.2	3202.5
47.5°	3874.3	3902.9	4075.2	4154.2	3970.6	3502.7	3087.4	3052.1	3057.3	3192.0	3491.4
50°	3857.0	3895.4	4128.6	4350.5	4262.5	3857.8	3477.9	3453.1	3432.7	3628.3	3805.1
52.5°	3708.1	3750.2	4123.3	4475.4	4501.0	4193.3	3881.1	3866.8	3862.3	4091.8	4155.7
55°	3269.5	3340.2	3942.0	4508.5	4687.6	4509.3	4318.2	4294.1	4317.4	4588.3	4510.0
57.5°	3026.5	3079.2	3587.0	4471.7	4840.3	4810.2	4754.5	4756.8	4783.1	5127.7	4939.6
60°	2888.1	2949.8	3389.9	4370.9	4987.0	5175.8	5211.2	5211.2	5258.6	5709.2	5375.9
62.5°	2704.5	2767.0	3205.5	4176.8	5122.4	5606.1	5785.2	5782.9	5801.7	6332.8	5802.5
65°	2332.1	2390.1	2835.4	3870.6	5188.6	6080.1	6437.4	6430.6	6393.0	6888.0	6084.6
67.5°	1693.4	1748.3	2171.9	3288.3	4950.1	6462.2	7109.2	7112.2	6887.3	7237.9	6099.6
70°	1116.4	1154.0	1396.3	2135.8	4025.5	6297.5	7390.6	7399.6	6963.3	7019.7	5428.6
72.5°	696.6	723.0	871.9	1273.6	2378.8	4984.7	6668.4	6693.2	6264.4	6168.8	4460.4
75°	462.7	480.7	580.0	742.5	1100.6	2697.7	5069.0	5148.7	5020.8	4835.8	3107.7
77.5°	278.4	293.4	369.4	471.7	487.5	1054.0	2958.8	3164.9	3183.0	2524.7	1301.5
80°	127.1	144.4	203.9	269.3	259.5	367.1	1043.4	1091.6	1287.9	802.0	410.8
82.5°	75.2	82.8	135.4	133.9	110.6	178.3	375.4	385.2	327.2	293.4	175.3
85°	30.1	35.4	57.2	50.4	40.6	57.9	141.4	148.2	142.2	127.9	64.7
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	12.8	13.5	19.6	35.4	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0	1722.0
2.5°	1734.8	1730.3	1752.9	1770.2	1777.7	1785.2	1778.4	1776.2	1776.2	1761.1	1753.6
5°	1753.6	1755.9	1786.7	1801.0	1801.0	1795.0	1776.9	1764.1	1759.6	1740.1	1734.8
7.5°	1789.0	1798.7	1827.3	1826.6	1805.5	1772.4	1727.3	1692.7	1661.1	1647.5	1639.3
10°	1846.9	1859.7	1879.2	1847.6	1789.0	1701.7	1606.2	1530.9	1485.8	1449.7	1449.7
12.5°	1913.1	1925.1	1921.4	1848.4	1727.3	1564.0	1426.4	1339.8	1276.7	1243.5	1243.5
15°	1979.3	1989.1	1948.5	1813.8	1598.6	1381.2	1230.8	1126.9	1072.0	1041.2	1041.2
17.5°	2046.3	2045.5	1959.7	1734.0	1430.9	1178.9	1031.4	950.9	932.1	926.8	926.1
20°	2110.9	2093.6	1945.4	1600.9	1236.0	975.0	881.7	887.0	914.8	926.8	928.3
22.5°	2183.9	2141.0	1903.3	1430.9	1014.9	833.5	839.6	883.2	923.8	941.9	944.1
25°	2258.4	2181.7	1832.6	1231.5	829.8	781.6	828.3	877.2	923.1	946.4	948.6
27.5°	2288.5	2181.7	1712.2	1000.6	731.2	759.8	811.0	858.4	906.5	933.6	938.9
30°	2313.3	2162.9	1543.7	792.2	690.6	738.8	783.1	826.8	874.2	907.3	913.3
32.5°	2347.9	2146.3	1339.8	665.8	671.8	718.4	749.3	786.2	829.0	850.8	848.6
35°	2388.5	2120.7	1093.8	605.6	656.0	701.1	723.0	744.8	725.2	724.5	726.7
37.5°	2446.5	2098.2	879.4	578.5	645.5	689.1	707.2	660.5	633.4	622.2	617.6
40°	2530.0	2089.1	693.6	562.7	644.0	688.4	675.6	603.3	566.5	527.4	526.6
42.5°	2635.3	2082.4	573.3	555.2	649.2	705.7	631.9	565.7	489.7	472.4	470.9
45°	2770.7	2071.8	513.1	553.7	662.0	719.2	627.4	513.8	461.9	454.4	454.4
47.5°	2934.0	2055.3	486.0	553.7	676.3	713.2	613.9	502.5	449.1	457.4	462.7
50°	3121.3	2034.2	471.7	552.2	690.6	713.2	585.3	500.3	446.1	489.0	506.3
52.5°	3321.4	2010.1	461.9	546.2	700.4	713.9	586.8	507.8	449.1	496.5	510.8
55°	3542.6	2006.4	448.4	533.4	703.4	694.4	590.6	524.4	453.6	449.9	450.6
57.5°	3821.7	2051.5	438.6	514.6	691.4	654.5	598.1	536.4	448.4	449.1	454.4
60°	4113.6	2136.5	446.9	496.5	666.5	616.9	603.3	530.4	422.8	410.8	412.3
62.5°	4361.8	2201.2	453.6	488.2	630.4	583.8	598.1	516.8	408.5	405.5	412.3
65°	4465.6	2147.8	437.1	470.9	577.8	543.2	586.8	499.5	396.5	385.2	385.9
67.5°	4350.5	1897.3	404.7	432.6	518.3	491.3	568.7	477.0	379.9	366.4	363.4
70°	3716.4	1394.0	349.1	371.6	446.1	430.3	540.9	447.6	353.6	343.8	337.0
72.5°	2994.9	987.0	289.6	295.7	349.8	362.6	492.8	410.8	323.5	295.7	285.9
75°	2084.6	619.9	241.5	235.5	252.8	276.8	384.4	340.8	279.1	249.8	240.7
77.5°	896.7	318.2	188.8	185.8	168.5	191.8	294.9	284.4	234.0	200.1	194.8
80°	300.2	184.3	136.2	130.9	112.1	134.7	207.6	227.2	183.6	148.2	139.2
82.5°	150.5	106.8	86.5	78.2	75.2	85.0	122.6	141.4	127.1	102.3	86.5
85°	73.7	60.9	47.4	46.6	39.1	36.9	51.2	60.2	57.2	42.1	39.9
87.5°	27.1	24.1	15.0	12.0	7.5	5.3	3.0	3.0	2.3	2.3	2.3
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)