

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: P632948

Luminaire Tested: GWS-SA2D-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632948
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-SA2D-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11975.5 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 82.1
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

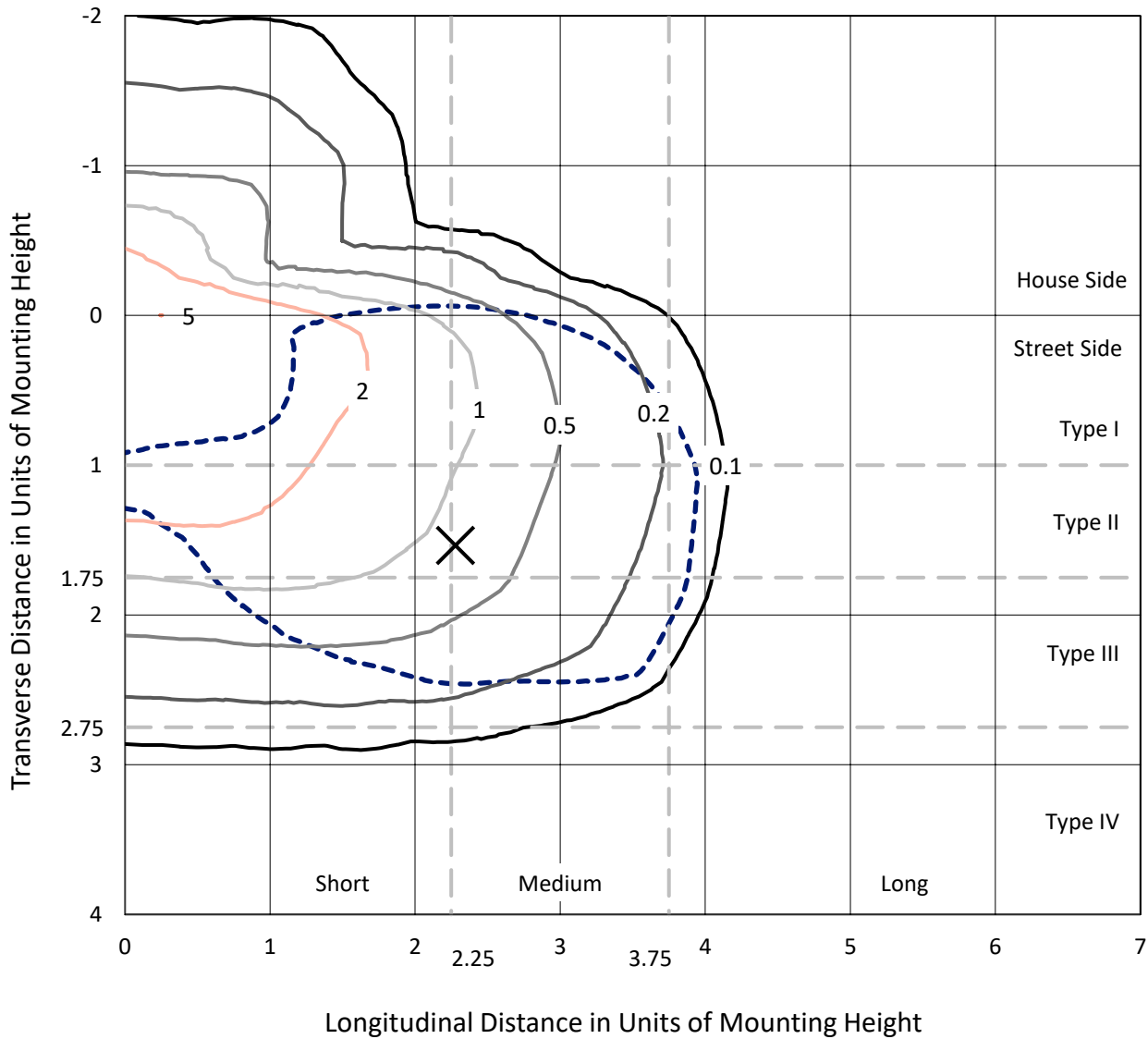


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Iso-Footcandle Lines of Horizontal Illumination

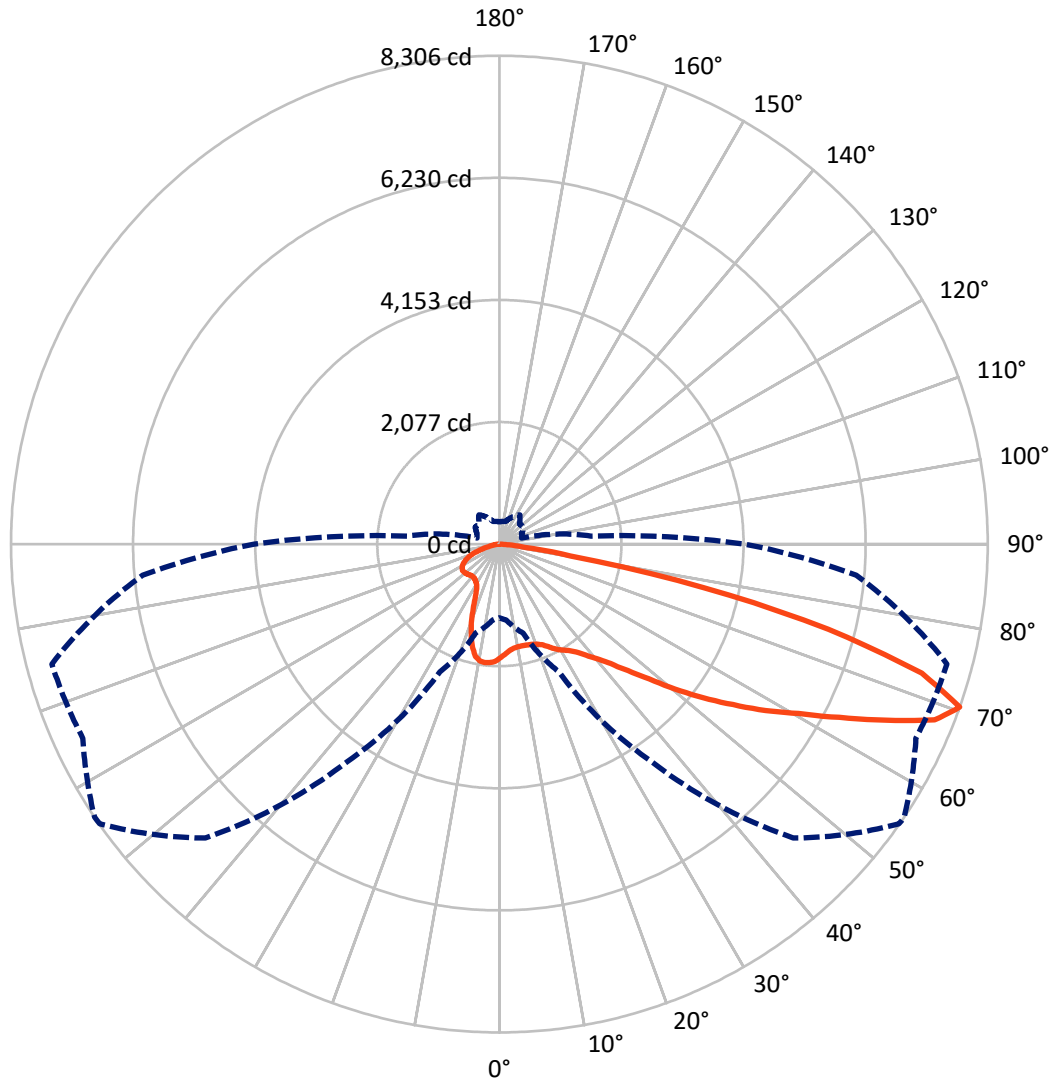
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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	2302.3	0.0	2302.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	9673.2	0.0	9673.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	11975.5	0.0	11975.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.9	1.5
10°-20°	484.7	4.0
20°-30°	801.3	6.7
30°-40°	1198.1	10.0
40°-50°	1782.9	14.9
50°-60°	2534.8	21.2
60°-70°	3139.4	26.2
70°-80°	1733.5	14.5
80°-90°	122.1	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°	11975.5	100.0
0°-180°	11975.5	100.0

Coefficient of Utilization



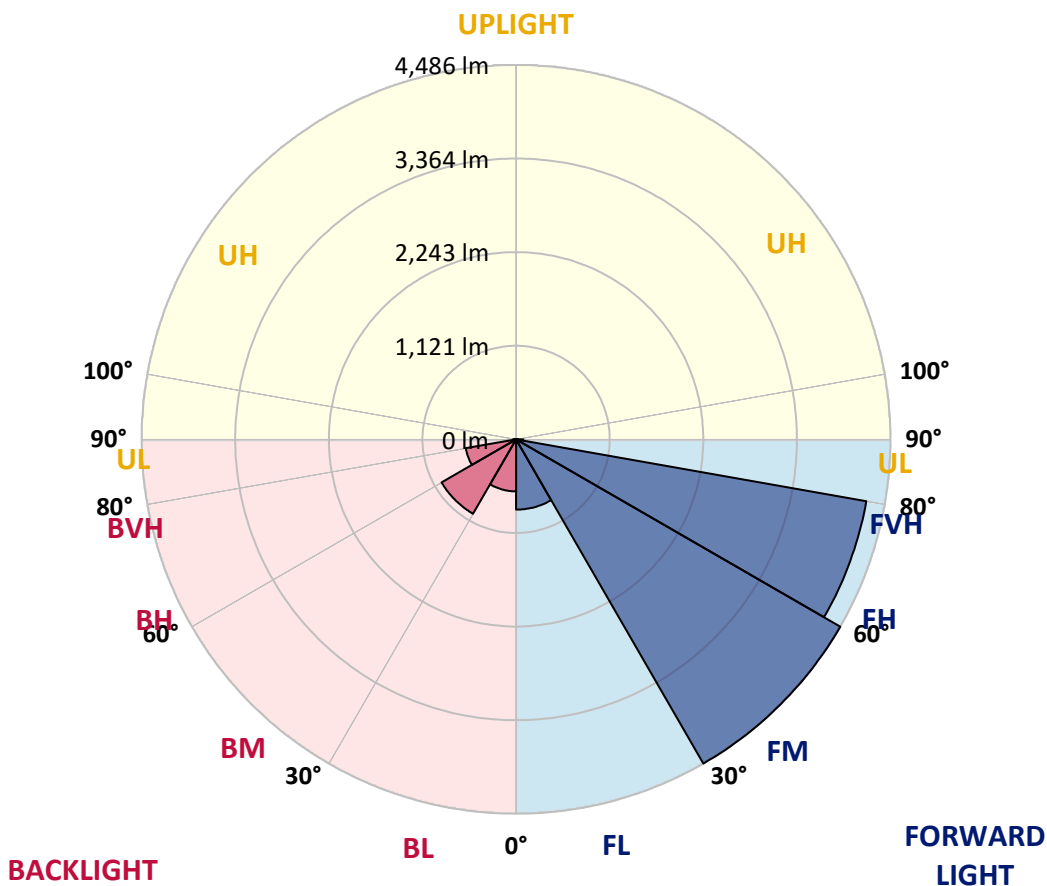
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	841.6	7.0			
FM (30°-60°)	4485.8	37.5			
FH (60°-80°)	4260.9	35.6			G2/5000
FVH (80°-90°)	84.8	0.7			G1/100
BL (0°-30°)	623.2	5.2	B2/1000		
BM (30°-60°)	1029.9	8.6	B2/2500		
BH (60°-80°)	611.9	5.1	B2/1000		G2/1000
BVH (80°-90°)	37.2	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°	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0
2.5°	1808.9	1798.8	1810.6	1816.5	1831.7	1853.6	1873.1	1873.9	1884.0	1908.5	1932.2
5°	1727.0	1721.9	1725.3	1743.0	1759.1	1786.9	1816.5	1819.0	1847.7	1895.9	1943.2
7.5°	1663.6	1656.9	1669.6	1692.4	1712.6	1743.9	1782.7	1786.1	1826.6	1899.3	1971.9
10°	1572.4	1567.4	1591.0	1621.4	1665.3	1716.8	1768.4	1772.6	1825.8	1921.2	2022.5
12.5°	1532.7	1532.7	1542.9	1571.6	1619.7	1688.1	1765.8	1772.6	1839.3	1955.0	2087.6
15°	1594.4	1598.6	1590.2	1588.5	1607.9	1672.9	1769.2	1779.3	1864.6	1989.6	2151.8
17.5°	1718.5	1722.8	1700.8	1666.2	1646.7	1687.3	1781.9	1792.8	1891.7	2027.6	2221.0
20°	1892.5	1897.6	1849.4	1796.2	1729.5	1728.7	1806.4	1816.5	1926.3	2069.0	2294.5
22.5°	2096.0	2099.4	2038.6	1954.1	1852.0	1805.5	1848.6	1858.7	1971.0	2126.4	2373.9
25°	2331.6	2341.8	2268.3	2145.8	2007.3	1911.1	1918.7	1930.5	2051.3	2203.3	2467.6
27.5°	2583.3	2596.0	2511.5	2376.4	2185.5	2027.6	2009.0	2019.2	2136.6	2250.6	2517.4
30°	2840.9	2850.1	2765.7	2611.2	2377.2	2159.4	2085.0	2090.9	2173.7	2273.4	2568.1
32.5°	3127.1	3119.5	3038.5	2860.3	2598.5	2317.3	2156.0	2154.3	2215.1	2319.0	2640.7
35°	3395.7	3406.7	3320.5	3123.8	2841.7	2512.3	2262.4	2255.6	2302.9	2393.3	2742.9
37.5°	3720.8	3717.4	3614.4	3401.6	3085.8	2699.0	2411.9	2400.0	2416.9	2509.0	2885.6
40°	3953.0	3976.7	3910.0	3711.5	3371.2	2928.7	2586.7	2560.5	2564.7	2651.7	3076.5
42.5°	4143.1	4165.0	4171.8	4045.1	3698.0	3212.4	2804.5	2778.4	2780.9	2904.2	3311.2
45°	4289.1	4318.7	4414.1	4377.0	4066.2	3540.1	3099.3	3072.2	3073.9	3210.7	3595.0
47.5°	4349.1	4381.2	4574.6	4663.3	4457.2	3931.9	3465.8	3426.1	3432.0	3583.2	3919.3
50°	4329.7	4372.8	4634.5	4883.7	4784.9	4330.5	3904.1	3876.2	3853.4	4073.0	4271.4
52.5°	4162.5	4209.8	4628.6	5023.9	5052.6	4707.2	4356.7	4340.7	4335.6	4593.2	4664.9
55°	3670.1	3749.5	4425.1	5061.0	5262.0	5061.9	4847.4	4820.3	4846.5	5150.5	5062.7
57.5°	3397.4	3456.5	4026.5	5019.6	5433.4	5399.6	5337.2	5339.7	5369.2	5756.0	5544.9
60°	3242.0	3311.2	3805.3	4906.5	5598.1	5810.1	5849.8	5849.8	5903.0	6408.8	6034.7
62.5°	3035.9	3106.0	3598.4	4688.6	5750.1	6293.1	6494.1	6491.6	6512.7	7108.9	6513.5
65°	2617.9	2682.9	3182.9	4344.9	5824.4	6825.1	7226.3	7218.7	7176.4	7732.1	6830.2
67.5°	1900.9	1962.6	2438.0	3691.3	5556.7	7254.1	7980.4	7983.8	7731.3	8124.8	6847.1
70°	1253.2	1295.4	1567.4	2397.5	4518.8	7069.2	8296.2	8306.4	7816.6	7879.9	6093.8
72.5°	782.0	811.6	978.8	1429.7	2670.3	5595.6	7485.5	7513.4	7032.0	6924.8	5007.0
75°	519.4	539.6	651.1	833.5	1235.5	3028.3	5690.2	5779.7	5636.1	5428.4	3488.6
77.5°	312.5	329.3	414.6	529.5	547.2	1183.1	3321.4	3552.8	3573.0	2834.1	1461.0
80°	142.7	162.1	228.9	302.3	291.3	412.1	1171.3	1225.4	1445.8	900.2	461.1
82.5°	84.4	92.9	152.0	150.3	124.1	200.1	421.4	432.4	367.4	329.3	196.8
85°	33.8	39.7	64.2	56.6	45.6	65.0	158.8	166.4	159.6	143.6	72.6
87.5°	0.0	0.0	0.0	0.0	0.8	1.7	14.4	15.2	22.0	39.7	22.0
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°	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0	1933.0
2.5°	1947.4	1942.3	1967.7	1987.1	1995.5	2004.0	1996.4	1993.8	1993.8	1976.9	1968.5
5°	1968.5	1971.0	2005.7	2021.7	2021.7	2014.9	1994.7	1980.3	1975.3	1953.3	1947.4
7.5°	2008.2	2019.2	2051.3	2050.4	2026.8	1989.6	1938.9	1900.1	1864.6	1849.4	1840.1
10°	2073.2	2087.6	2109.5	2074.1	2008.2	1910.2	1803.0	1718.5	1667.9	1627.3	1627.3
12.5°	2147.5	2161.0	2156.8	2074.9	1938.9	1755.7	1601.1	1504.0	1433.1	1395.9	1395.9
15°	2221.8	2232.8	2187.2	2036.1	1794.5	1550.5	1381.6	1265.0	1203.4	1168.8	1168.8
17.5°	2297.0	2296.2	2199.9	1946.5	1606.2	1323.3	1157.8	1067.4	1046.3	1040.4	1039.6
20°	2369.6	2350.2	2183.8	1797.1	1387.5	1094.5	989.7	995.6	1026.9	1040.4	1042.1
22.5°	2451.5	2403.4	2136.6	1606.2	1139.2	935.7	942.4	991.4	1037.0	1057.3	1059.8
25°	2535.1	2449.0	2057.2	1382.4	931.5	877.4	929.8	984.7	1036.2	1062.4	1064.9
27.5°	2568.9	2449.0	1922.1	1123.2	820.8	852.9	910.4	963.6	1017.6	1048.0	1053.9
30°	2596.8	2427.9	1732.9	889.2	775.2	829.3	879.1	928.1	981.3	1018.5	1025.2
32.5°	2635.6	2409.3	1504.0	747.4	754.1	806.5	841.1	882.5	930.6	955.1	952.6
35°	2681.2	2380.6	1227.9	679.8	736.4	787.1	811.6	836.0	814.1	813.2	815.8
37.5°	2746.3	2355.3	987.2	649.4	724.6	773.5	793.8	741.5	711.1	698.4	693.3
40°	2840.0	2345.1	778.6	631.7	722.9	772.7	758.3	677.3	635.9	592.0	591.1
42.5°	2958.2	2337.5	643.5	623.2	728.8	792.1	709.4	635.1	549.8	530.3	528.6
45°	3110.2	2325.7	575.9	621.5	743.1	807.3	704.3	576.8	518.5	510.1	510.1
47.5°	3293.5	2307.1	545.5	621.5	759.2	800.6	689.1	564.1	504.2	513.4	519.4
50°	3503.8	2283.5	529.5	619.9	775.2	800.6	657.0	561.6	500.8	548.9	568.3
52.5°	3728.4	2256.5	518.5	613.1	786.2	801.4	658.7	570.0	504.2	557.4	573.4
55°	3976.7	2252.2	503.3	598.7	789.6	779.5	662.9	588.6	509.2	505.0	505.8
57.5°	4290.0	2302.9	492.3	577.6	776.1	734.7	671.4	602.1	503.3	504.2	510.1
60°	4617.7	2398.3	501.6	557.4	748.2	692.5	677.3	595.4	474.6	461.1	462.8
62.5°	4896.3	2471.0	509.2	548.1	707.7	655.3	671.4	580.2	458.6	455.2	462.8
65°	5012.9	2411.0	490.6	528.6	648.6	609.7	658.7	560.7	445.0	432.4	433.2
67.5°	4883.7	2129.8	454.3	485.6	581.9	551.4	638.4	535.4	426.5	411.3	407.9
70°	4171.8	1564.8	391.8	417.2	500.8	483.0	607.2	502.5	396.9	385.9	378.3
72.5°	3361.9	1108.0	325.1	331.9	392.7	407.0	553.1	461.1	363.1	331.9	320.9
75°	2340.1	695.9	271.1	264.3	283.7	310.8	431.5	382.6	313.3	280.4	270.2
77.5°	1006.6	357.2	212.0	208.6	189.2	215.3	331.0	319.2	262.6	224.6	218.7
80°	337.0	206.9	152.9	146.9	125.8	151.2	233.1	255.0	206.1	166.4	156.2
82.5°	168.9	119.9	97.1	87.8	84.4	95.4	137.7	158.8	142.7	114.9	97.1
85°	82.8	68.4	53.2	52.4	43.9	41.4	57.4	67.6	64.2	47.3	44.8
87.5°	30.4	27.0	16.9	13.5	8.4	5.9	3.4	3.4	2.5	2.5	2.5
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)