

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: P633439

Luminaire Tested: GWS-SA2E-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14730.9 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

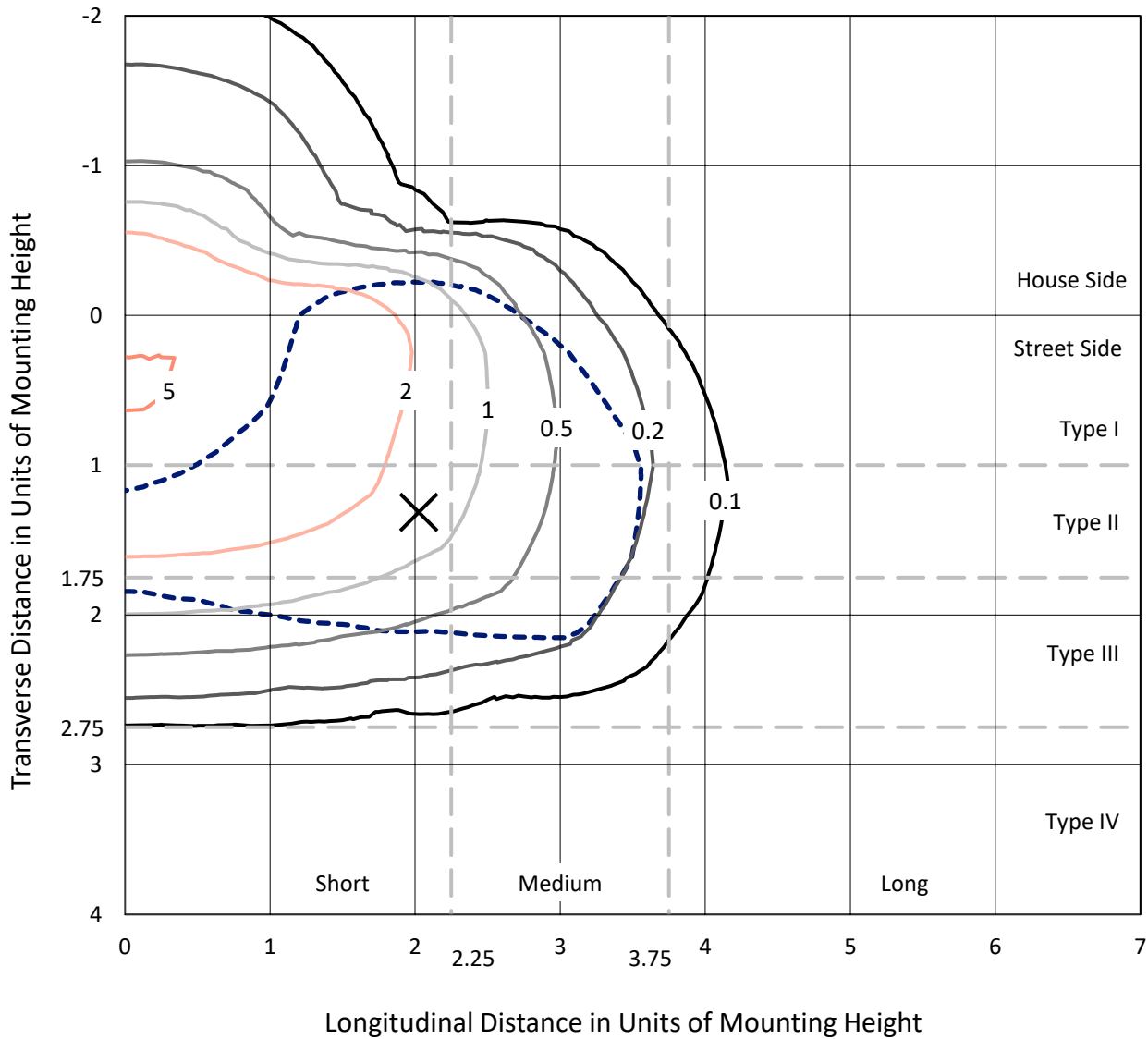
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

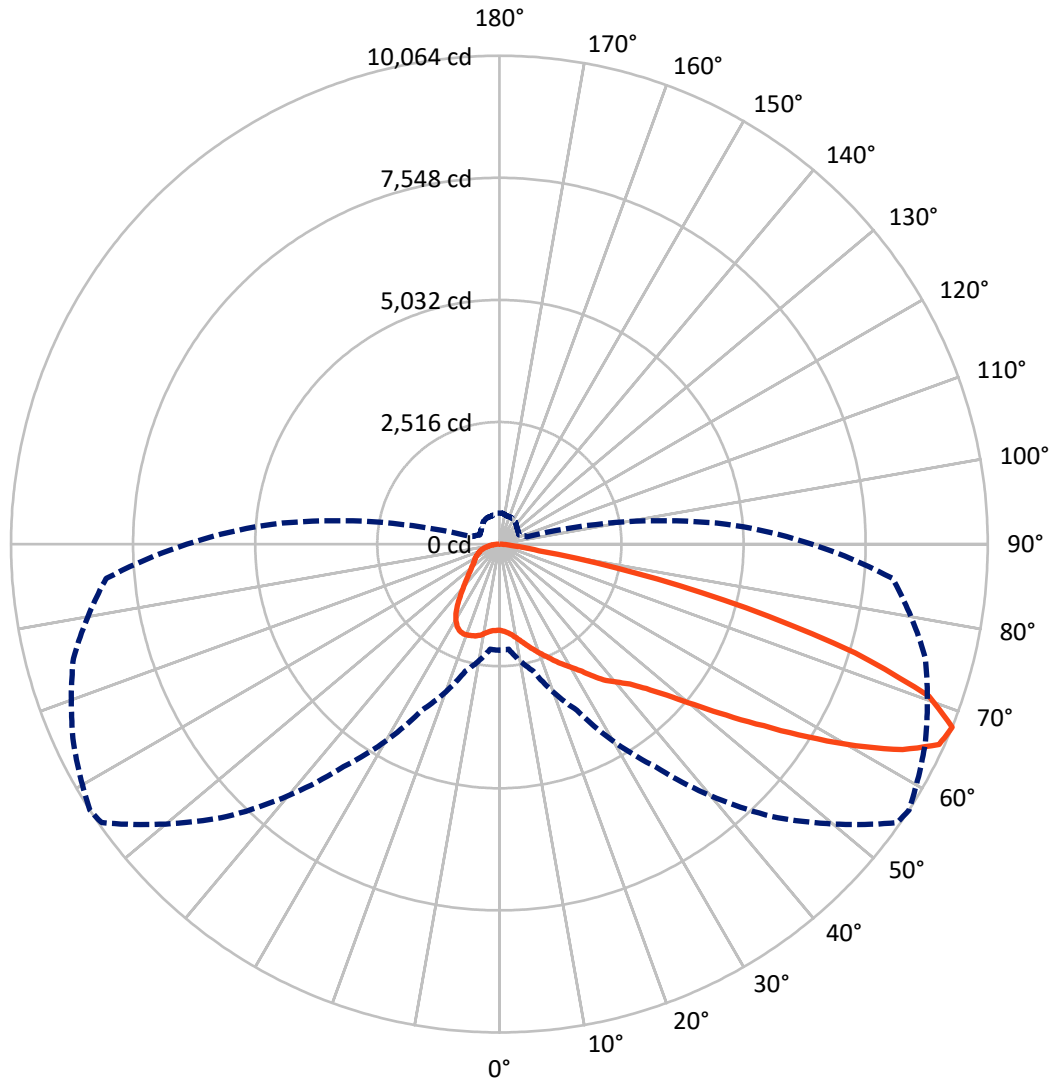
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3238.8	0.0	3238.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	11492.1	0.0	11492.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	14730.9	0.0	14730.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.0	1.2
10°-20°	582.8	4.0
20°-30°	1039.0	7.1
30°-40°	1510.6	10.3
40°-50°	2186.3	14.8
50°-60°	3421.5	23.2
60°-70°	3991.4	27.1
70°-80°	1666.2	11.3
80°-90°	157.2	1.1
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°	14730.9	100.0
0°-180°	14730.9	100.0

Coefficient of Utilization



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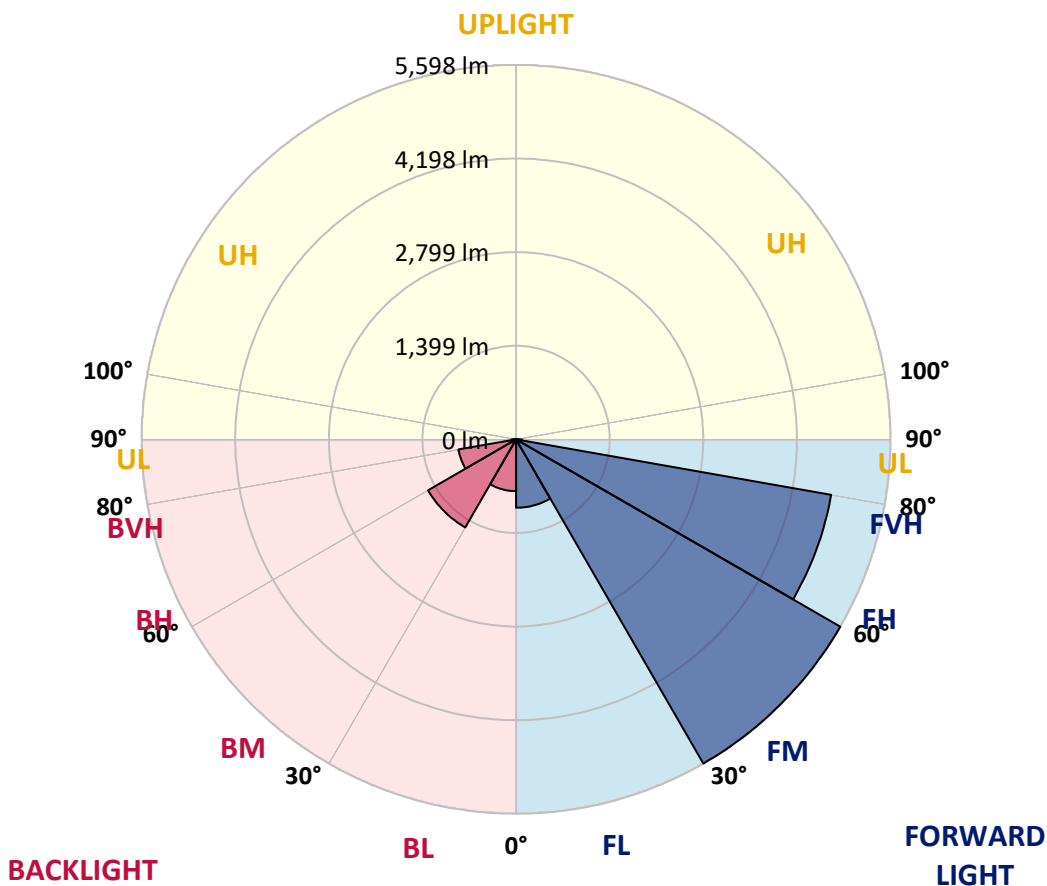
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1023.2	6.9			
FM (30°-60°)	5598.0	38.0			
FH (60°-80°)	4783.4	32.5			G2/5000
FVH (80°-90°)	87.6	0.6			G1/100
BL (0°-30°)	774.6	5.3	B2/1000		
BM (30°-60°)	1520.4	10.3	B2/2500		
BH (60°-80°)	874.2	5.9	B2/1000		G2/1000
BVH (80°-90°)	69.6	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0
2.5°	1800.3	1798.2	1797.1	1803.5	1801.4	1800.3	1800.3	1799.2	1797.1	1788.7	1777.1
5°	1849.9	1845.7	1841.5	1846.7	1842.5	1838.3	1837.2	1835.1	1827.7	1815.1	1797.1
7.5°	1901.6	1897.4	1898.4	1901.6	1898.4	1896.3	1893.2	1891.1	1879.4	1859.4	1835.1
10°	1974.4	1974.4	1976.5	1979.7	1980.8	1977.6	1971.3	1968.1	1954.4	1929.0	1895.3
12.5°	2079.9	2077.8	2077.8	2075.7	2078.9	2075.7	2069.4	2064.1	2047.2	2014.5	1966.0
15°	2219.2	2210.8	2203.4	2189.7	2185.5	2173.9	2176.0	2172.8	2157.0	2112.7	2051.5
17.5°	2368.0	2367.0	2355.4	2327.9	2300.5	2281.5	2285.7	2284.7	2276.2	2216.1	2138.0
20°	2498.9	2504.2	2493.6	2472.5	2435.6	2399.7	2397.6	2402.9	2392.3	2332.2	2223.5
22.5°	2645.6	2641.4	2630.8	2603.4	2575.9	2537.9	2525.3	2521.1	2516.8	2448.2	2311.1
25°	2784.9	2797.5	2783.8	2758.5	2716.3	2675.1	2664.6	2668.8	2657.2	2566.4	2405.0
27.5°	2961.1	2966.4	2957.9	2923.1	2887.2	2829.2	2809.1	2809.1	2804.9	2677.2	2478.8
30°	3148.9	3163.7	3148.9	3120.4	3083.5	3000.1	2956.9	2952.7	2940.0	2791.2	2565.4
32.5°	3337.8	3348.4	3337.8	3310.4	3268.2	3195.4	3133.1	3123.6	3106.7	2915.7	2654.0
35°	3505.6	3515.1	3513.0	3519.3	3484.5	3392.7	3354.7	3350.5	3306.2	3078.2	2774.3
37.5°	3689.2	3700.9	3685.0	3697.7	3684.0	3597.4	3585.8	3564.7	3501.4	3231.3	2901.0
40°	3898.2	3908.7	3883.4	3888.7	3872.9	3824.3	3765.2	3736.7	3642.8	3396.9	3100.4
42.5°	4121.9	4146.2	4157.8	4148.3	4111.4	4083.9	3980.5	3944.6	3866.5	3695.6	3428.6
45°	4445.9	4481.8	4498.6	4474.4	4458.5	4419.5	4292.9	4249.6	4208.4	4116.6	3886.6
47.5°	4795.2	4827.9	4881.7	4892.3	4904.9	4875.4	4697.0	4654.8	4662.2	4651.7	4450.1
50°	5073.8	5101.2	5222.6	5352.4	5460.0	5468.4	5240.5	5195.1	5235.2	5269.0	5128.6
52.5°	5276.4	5300.6	5461.0	5729.1	5972.9	6153.3	5907.4	5855.7	5888.4	5964.4	5900.0
55°	5441.0	5474.8	5642.6	6054.1	6546.9	6831.9	6674.6	6609.2	6595.5	6689.4	6726.3
57.5°	5527.5	5538.1	5773.4	6308.4	6968.0	7497.7	7566.3	7492.5	7361.6	7413.3	7605.4
60°	5330.2	5348.1	5670.0	6373.9	7300.4	8158.3	8502.4	8441.1	8162.6	8191.0	8403.2
62.5°	4784.6	4809.9	5197.2	6062.6	7327.8	8599.4	9366.6	9327.6	8954.0	8799.9	8863.3
65°	3838.0	3846.5	4247.5	5292.2	6782.3	8654.3	9969.2	9959.7	9507.0	9146.1	8874.9
67.5°	2188.6	2173.9	2709.9	3774.7	5597.2	7940.9	10008.2	10064.2	9686.4	9089.1	8136.2
70°	948.7	950.8	1197.7	1862.6	3622.8	6418.2	9295.9	9392.0	9167.2	8140.4	6473.1
72.5°	439.0	445.3	551.9	806.2	1547.0	3981.6	7580.0	7666.6	7473.5	6515.3	4709.7
75°	310.3	315.5	368.3	462.2	711.3	1551.3	5070.6	5252.1	5346.0	4873.3	3103.6
77.5°	235.3	242.7	269.1	320.8	439.0	549.8	2426.1	2858.7	3405.4	3031.8	1598.7
80°	149.8	149.8	178.3	214.2	268.0	286.0	700.7	830.5	1666.3	1249.4	627.9
82.5°	101.3	104.5	121.4	136.1	154.1	162.5	300.8	320.8	481.2	425.3	258.5
85°	53.8	55.9	63.3	62.3	73.9	64.4	126.6	125.6	176.2	193.1	98.1
87.5°	0.0	0.0	1.1	1.1	2.1	3.2	13.7	14.8	36.9	59.1	32.7
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°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0
2.5°	1783.4	1770.8	1777.1	1775.0	1781.3	1781.3	1769.7	1766.5	1767.6	1754.9	1750.7
5°	1799.2	1784.5	1787.6	1783.4	1789.7	1795.0	1789.7	1789.7	1796.1	1786.6	1781.3
7.5°	1835.1	1818.2	1818.2	1813.0	1820.3	1824.6	1820.3	1826.7	1838.3	1828.8	1823.5
10°	1892.1	1872.1	1873.1	1866.8	1869.9	1867.8	1851.0	1845.7	1848.8	1840.4	1836.2
12.5°	1966.0	1938.5	1938.5	1925.9	1918.5	1896.3	1861.5	1848.8	1851.0	1843.6	1840.4
15°	2036.7	2011.4	2006.1	1980.8	1947.0	1905.8	1874.2	1865.7	1867.8	1860.5	1855.2
17.5°	2120.0	2087.3	2068.3	2021.9	1959.6	1917.4	1885.8	1865.7	1848.8	1832.0	1827.7
20°	2197.1	2155.9	2121.1	2049.3	1973.4	1915.3	1856.2	1806.6	1765.5	1743.3	1738.0
22.5°	2276.2	2223.5	2162.3	2068.3	1972.3	1877.3	1768.6	1693.7	1632.5	1599.8	1606.1
25°	2351.2	2284.7	2201.3	2086.3	1938.5	1792.9	1645.2	1533.3	1463.7	1438.3	1431.0
27.5°	2413.4	2331.1	2237.2	2077.8	1868.9	1671.6	1476.3	1351.8	1284.3	1255.8	1248.4
30°	2483.1	2390.2	2288.9	2038.8	1759.1	1501.7	1285.3	1184.0	1135.5	1108.0	1109.1
32.5°	2563.3	2466.2	2361.7	1963.9	1618.8	1318.0	1128.1	1058.4	1019.4	992.0	987.7
35°	2670.9	2574.9	2410.2	1851.0	1440.5	1149.2	1020.5	963.5	914.9	879.0	871.7
37.5°	2803.9	2738.4	2415.5	1700.0	1249.4	1033.1	943.4	882.2	823.1	775.6	770.4
40°	3031.8	2956.9	2372.3	1511.2	1086.9	958.2	879.0	808.3	739.7	687.0	679.6
42.5°	3356.8	3202.8	2279.4	1298.0	964.5	899.1	817.8	728.1	658.5	621.6	616.3
45°	3770.5	3477.1	2140.1	1097.5	873.8	841.1	753.5	659.5	622.6	596.2	591.0
47.5°	4277.0	3796.9	1979.7	941.3	803.1	788.3	688.0	636.3	603.6	581.5	576.2
50°	4882.8	4204.2	1847.8	818.9	739.7	727.1	666.9	622.6	596.2	578.3	574.1
52.5°	5574.0	4656.9	1783.4	731.3	684.9	672.2	659.5	619.4	597.3	583.6	578.3
55°	6291.6	5133.9	1723.3	663.8	638.4	645.8	660.6	630.0	613.1	595.2	589.9
57.5°	6984.9	5581.4	1575.5	611.0	604.7	633.2	665.9	640.6	620.5	602.6	596.2
60°	7462.9	5826.2	1325.4	568.8	579.3	617.3	652.2	624.7	599.4	592.0	588.8
62.5°	7591.7	5796.6	1028.9	525.5	548.7	582.5	616.3	598.3	572.0	583.6	584.6
65°	7290.9	5480.0	772.5	483.3	508.6	537.1	579.3	572.0	562.5	594.1	595.2
67.5°	6439.3	4702.3	588.8	446.4	467.5	502.3	567.7	598.3	600.5	640.6	636.3
70°	4872.2	3513.0	461.2	411.6	435.8	502.3	604.7	618.4	593.1	630.0	621.6
72.5°	3368.4	2318.4	392.6	381.0	396.8	479.1	603.6	603.6	576.2	576.2	560.4
75°	2092.6	1363.4	341.9	341.9	341.9	418.9	586.7	556.1	507.6	485.4	472.8
77.5°	1033.1	662.7	287.0	297.6	286.0	350.4	479.1	454.8	425.3	402.1	393.6
80°	441.1	331.4	232.2	243.8	230.1	263.8	379.9	374.6	346.1	315.5	306.0
82.5°	202.6	171.0	185.7	191.0	167.8	198.4	277.5	277.5	261.7	219.5	203.7
85°	86.5	90.8	128.7	128.7	105.5	111.9	148.8	141.4	126.6	103.4	95.0
87.5°	29.5	44.3	65.4	57.0	22.2	9.5	5.3	2.1	0.0	0.0	0.0
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)