

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: P634582

Luminaire Tested: GWS-SA3C-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10256.4 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

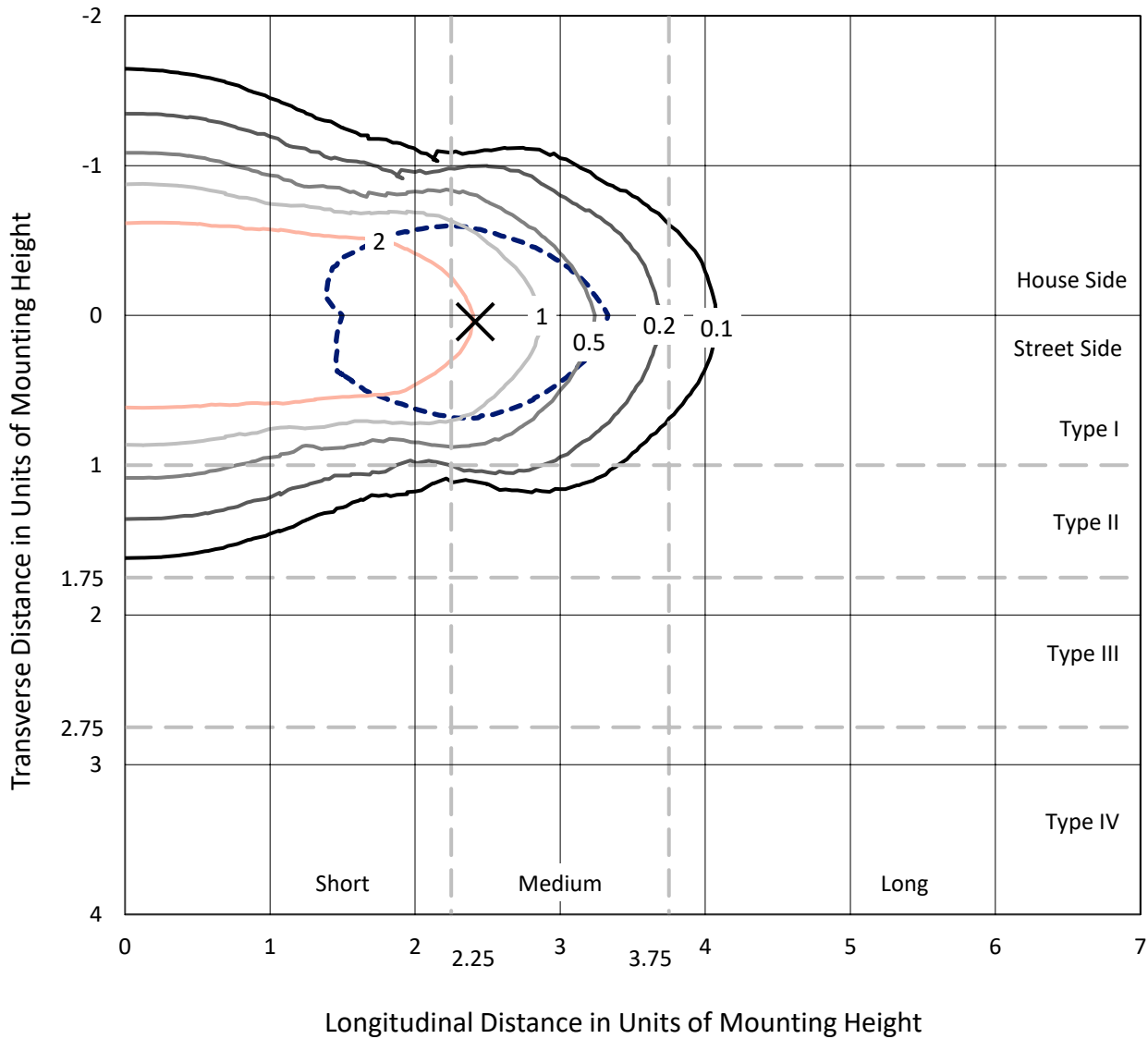
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

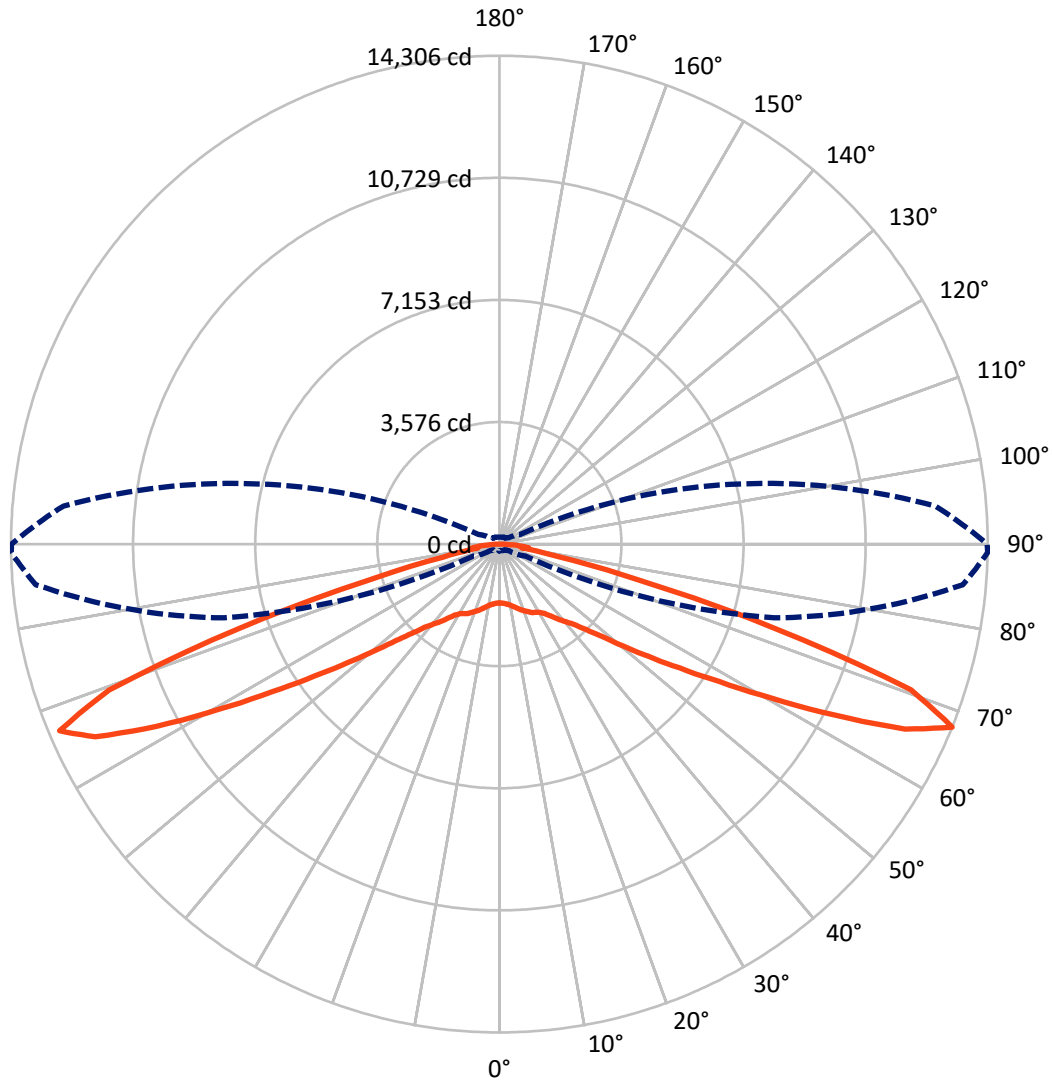
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5083.3	0.0	5083.3
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	5173.2	0.0	5173.2
	% Fixture	50.4	0.0	50.4
Total	Lumens	10256.4	0.0	10256.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	1.7
10°-20°	562.3	5.5
20°-30°	950.5	9.3
30°-40°	1304.4	12.7
40°-50°	1663.4	16.2
50°-60°	2087.0	20.3
60°-70°	2517.1	24.5
70°-80°	910.6	8.9
80°-90°	88.6	0.9
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°	10256.4	100.0
0°-180°	10256.4	100.0

Coefficient of Utilization



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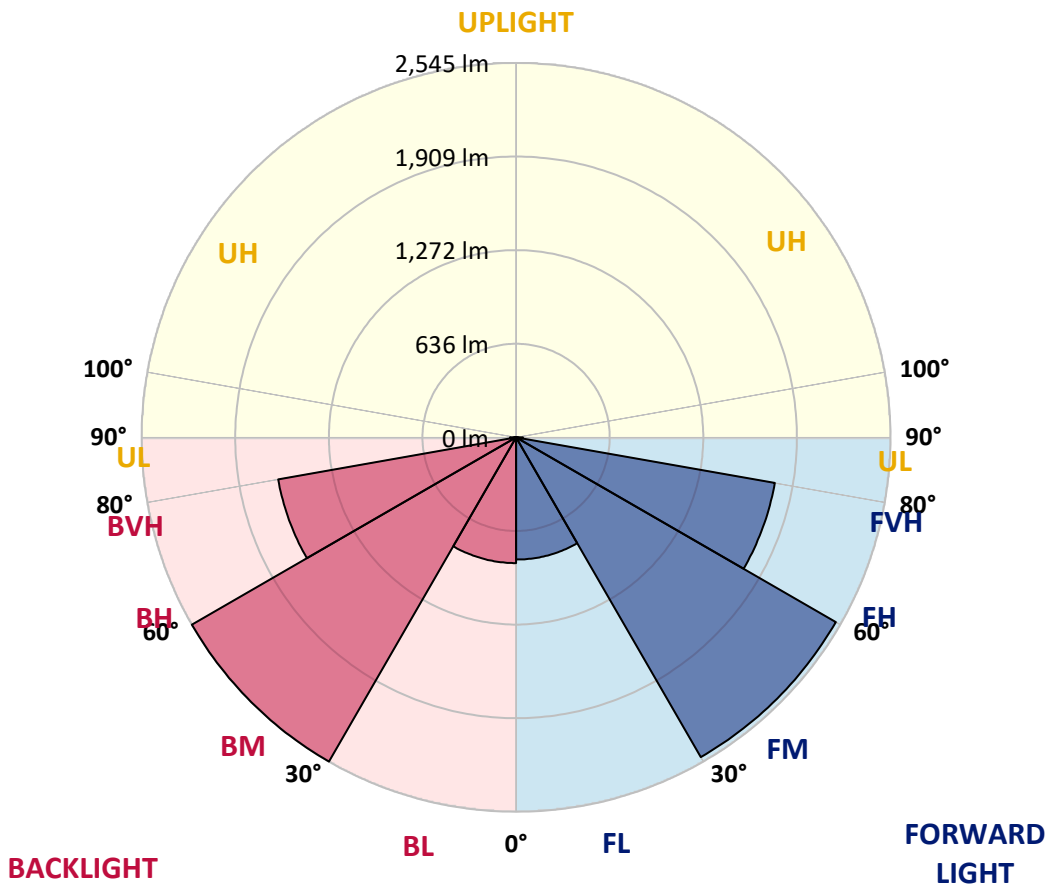
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	830.7	8.1			
FM (30°-60°)	2509.9	24.5			
FH (60°-80°)	1785.8	17.4			G1/1800
FVH (80°-90°)	46.7	0.5			G1/100
BL (0°-30°)	854.7	8.3	B2/1000		
BM (30°-60°)	2544.8	24.8	B3/5000		
BH (60°-80°)	1641.9	16.0	B3/2500		G3/2500
BVH (80°-90°)	41.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5
2.5°	1726.6	1725.1	1721.5	1732.5	1730.3	1731.0	1735.4	1732.5	1727.3	1718.5	1731.0
5°	1775.2	1774.5	1766.4	1773.0	1765.7	1760.5	1759.8	1752.4	1746.5	1736.9	1750.2
7.5°	1822.4	1821.6	1815.0	1826.8	1820.9	1815.0	1808.4	1793.6	1779.6	1765.7	1780.4
10°	1858.5	1857.7	1856.3	1873.2	1874.7	1876.9	1873.9	1848.9	1824.6	1807.6	1822.4
12.5°	1879.1	1881.3	1885.0	1915.9	1931.4	1946.1	1949.8	1929.2	1888.7	1864.4	1882.0
15°	1865.1	1869.5	1887.9	1943.9	1986.6	2019.8	2033.8	2016.8	1964.5	1924.0	1943.9
17.5°	1798.1	1801.7	1837.8	1923.3	2017.6	2094.2	2117.0	2106.7	2048.5	1999.2	2018.3
20°	1705.2	1713.4	1752.4	1871.7	2012.4	2145.7	2206.9	2203.2	2139.8	2064.0	2086.8
22.5°	1621.3	1630.9	1672.1	1804.0	1977.8	2159.0	2297.5	2307.1	2223.1	2128.8	2147.2
25°	1527.0	1535.8	1588.9	1723.7	1918.1	2148.7	2374.8	2418.3	2317.4	2203.2	2220.1
27.5°	1430.5	1437.1	1489.4	1633.1	1840.0	2129.5	2436.0	2540.6	2410.2	2254.8	2266.5
30°	1345.8	1354.6	1402.5	1542.5	1754.6	2091.2	2486.1	2670.9	2517.0	2313.0	2322.5
32.5°	1264.0	1271.4	1323.7	1453.3	1664.0	2032.3	2531.0	2824.2	2675.4	2421.2	2421.2
35°	1160.9	1174.2	1233.1	1367.9	1578.6	1954.2	2563.4	3002.4	2891.9	2581.1	2581.8
37.5°	1065.9	1073.2	1135.1	1271.4	1488.7	1865.8	2566.3	3187.3	3165.9	2784.4	2785.9
40°	957.6	967.2	1033.5	1168.3	1385.6	1773.0	2538.4	3359.7	3453.2	2993.6	2985.5
42.5°	847.8	861.8	925.2	1057.0	1274.3	1659.6	2464.0	3523.9	3817.8	3235.9	3216.0
45°	741.8	750.6	814.0	938.4	1146.9	1524.0	2344.6	3681.6	4251.0	3604.2	3575.5
47.5°	622.4	626.1	691.7	811.0	1015.0	1373.0	2173.7	3822.3	4726.8	4091.9	4042.5
50°	516.4	521.5	573.1	675.5	853.7	1194.0	1960.9	3904.8	5333.0	4757.0	4671.6
52.5°	417.7	422.8	464.1	545.8	705.7	990.0	1697.1	3885.6	5948.1	5582.8	5458.3
55°	337.4	341.0	369.0	433.1	555.4	787.4	1385.6	3714.0	6630.9	6661.2	6393.0
57.5°	285.1	286.5	305.7	344.7	433.9	607.0	1069.6	3308.8	7346.9	8037.1	7596.6
60°	254.9	255.6	264.4	288.8	342.5	463.3	783.8	2663.6	8088.7	9758.6	9154.6
62.5°	235.7	235.7	243.1	257.1	284.3	356.5	576.0	1913.0	8621.3	11631.8	11031.4
65°	217.3	217.3	222.5	234.2	249.0	291.0	432.4	1233.8	8882.8	13197.8	13064.5
67.5°	193.7	194.5	198.1	210.7	223.9	243.1	327.8	834.6	8339.9	13630.9	14305.7
70°	171.6	172.4	177.5	185.6	196.7	209.9	256.3	575.3	6070.4	11352.6	12791.2
72.5°	147.3	150.3	154.0	162.8	169.4	179.0	209.2	372.7	3532.0	7302.7	8455.5
75°	120.8	124.5	128.9	137.7	142.2	145.8	172.4	265.9	1699.4	3700.7	4214.1
77.5°	93.5	97.2	102.4	110.5	113.4	117.9	131.9	192.3	814.0	1640.4	1768.6
80°	62.6	64.1	68.5	78.1	83.2	86.2	97.2	131.1	353.6	658.5	652.6
82.5°	38.3	39.0	40.5	46.4	48.6	51.6	63.3	80.3	168.7	748.4	858.1
85°	14.0	13.3	12.5	16.2	19.2	22.1	29.5	40.5	73.7	514.2	575.3
87.5°	0.0	0.0	0.0	0.7	1.5	1.5	2.9	5.9	17.7	192.3	131.9
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°	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5	1721.5
2.5°	1727.3	1719.2	1729.6	1736.9	1753.1	1759.0	1760.5	1755.3	1755.3	1746.5	1748.0
5°	1747.2	1742.1	1759.0	1771.5	1795.1	1804.0	1809.8	1806.2	1808.4	1802.5	1804.0
7.5°	1777.4	1773.0	1802.5	1826.8	1851.1	1861.4	1866.6	1863.6	1864.4	1857.0	1859.2
10°	1819.4	1820.9	1856.3	1887.9	1920.3	1930.7	1932.9	1924.0	1916.7	1903.4	1904.1
12.5°	1876.9	1884.2	1934.3	1969.7	2002.8	2017.6	2001.4	1969.0	1938.8	1915.9	1913.0
15°	1939.5	1952.7	2024.9	2069.9	2106.0	2098.6	2050.7	1977.8	1918.1	1884.2	1877.6
17.5°	2014.6	2034.5	2125.1	2178.9	2209.8	2162.7	2062.5	1953.5	1870.2	1824.6	1815.7
20°	2085.3	2117.0	2231.2	2301.2	2304.8	2198.8	2057.3	1904.1	1799.5	1743.6	1731.8
22.5°	2150.2	2190.7	2342.4	2431.5	2383.7	2215.0	2025.7	1834.2	1714.1	1648.5	1638.2
25°	2220.9	2278.3	2472.1	2555.3	2462.5	2208.4	1959.4	1747.2	1611.0	1543.9	1536.6
27.5°	2269.5	2341.7	2602.4	2682.0	2527.3	2170.8	1873.9	1652.2	1516.7	1453.3	1443.0
30°	2325.5	2417.5	2746.1	2819.7	2567.1	2115.5	1782.6	1563.8	1429.0	1360.5	1353.1
32.5°	2427.1	2542.8	2924.3	2965.6	2579.6	2047.0	1694.9	1478.4	1337.7	1269.2	1258.9
35°	2590.7	2726.2	3174.8	3128.4	2570.0	1971.9	1611.7	1378.2	1244.1	1180.0	1169.7
37.5°	2796.9	2965.6	3454.0	3275.0	2543.5	1889.4	1513.0	1294.2	1160.2	1095.3	1089.4
40°	2989.2	3196.9	3767.0	3401.7	2489.7	1787.7	1418.0	1206.6	1069.6	1001.1	987.8
42.5°	3230.0	3506.3	4129.4	3511.4	2401.3	1666.2	1311.2	1098.3	956.1	894.2	878.0
45°	3596.1	3939.4	4550.8	3616.7	2269.5	1516.7	1177.1	966.4	831.6	768.3	755.8
47.5°	4052.8	4480.8	5007.5	3679.4	2069.1	1359.0	1025.4	827.2	692.4	621.0	615.1
50°	4694.4	5268.2	5497.3	3668.3	1845.2	1171.9	854.5	661.5	548.8	497.2	489.1
52.5°	5475.9	6256.8	6026.9	3535.7	1607.3	959.1	665.9	519.3	435.3	398.5	391.9
55°	6456.4	7440.5	6584.5	3251.4	1306.7	734.4	523.0	409.6	352.1	330.0	327.1
57.5°	7670.3	8973.4	7121.5	2772.6	982.6	560.6	402.9	338.1	310.8	297.6	296.9
60°	9272.4	10600.5	7587.8	2154.6	703.5	428.7	332.9	302.0	280.6	271.8	271.1
62.5°	11177.3	12078.2	7878.0	1467.3	528.9	341.8	293.2	274.0	261.5	256.3	255.6
65°	13135.2	13012.2	7739.5	961.3	401.5	290.2	263.0	252.7	241.6	236.5	236.5
67.5°	14291.7	12814.8	6676.6	667.4	318.2	254.9	237.2	227.6	209.2	204.8	204.8
70°	12658.6	10384.0	4376.2	488.4	257.8	223.2	206.3	193.0	185.6	181.2	180.5
72.5°	8372.3	6756.9	2326.9	338.8	215.1	190.0	174.6	169.4	160.6	156.2	155.4
75°	4167.0	3549.0	1192.6	244.6	179.0	152.5	145.8	143.6	136.3	130.4	128.9
77.5°	1736.9	1580.0	556.1	177.5	136.3	123.0	117.1	117.1	109.0	102.4	99.4
80°	654.8	583.4	263.0	121.5	100.9	91.3	87.7	84.7	78.1	70.0	65.6
82.5°	875.8	572.3	128.9	75.9	66.3	58.9	53.8	51.6	47.9	44.2	41.3
85°	567.2	406.6	58.2	39.0	33.1	25.0	22.1	20.6	18.4	16.2	14.7
87.5°	115.6	136.3	17.7	7.4	4.4	2.2	2.2	0.7	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)