

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: P634076

Luminaire Tested: GWS-SA3B-722-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

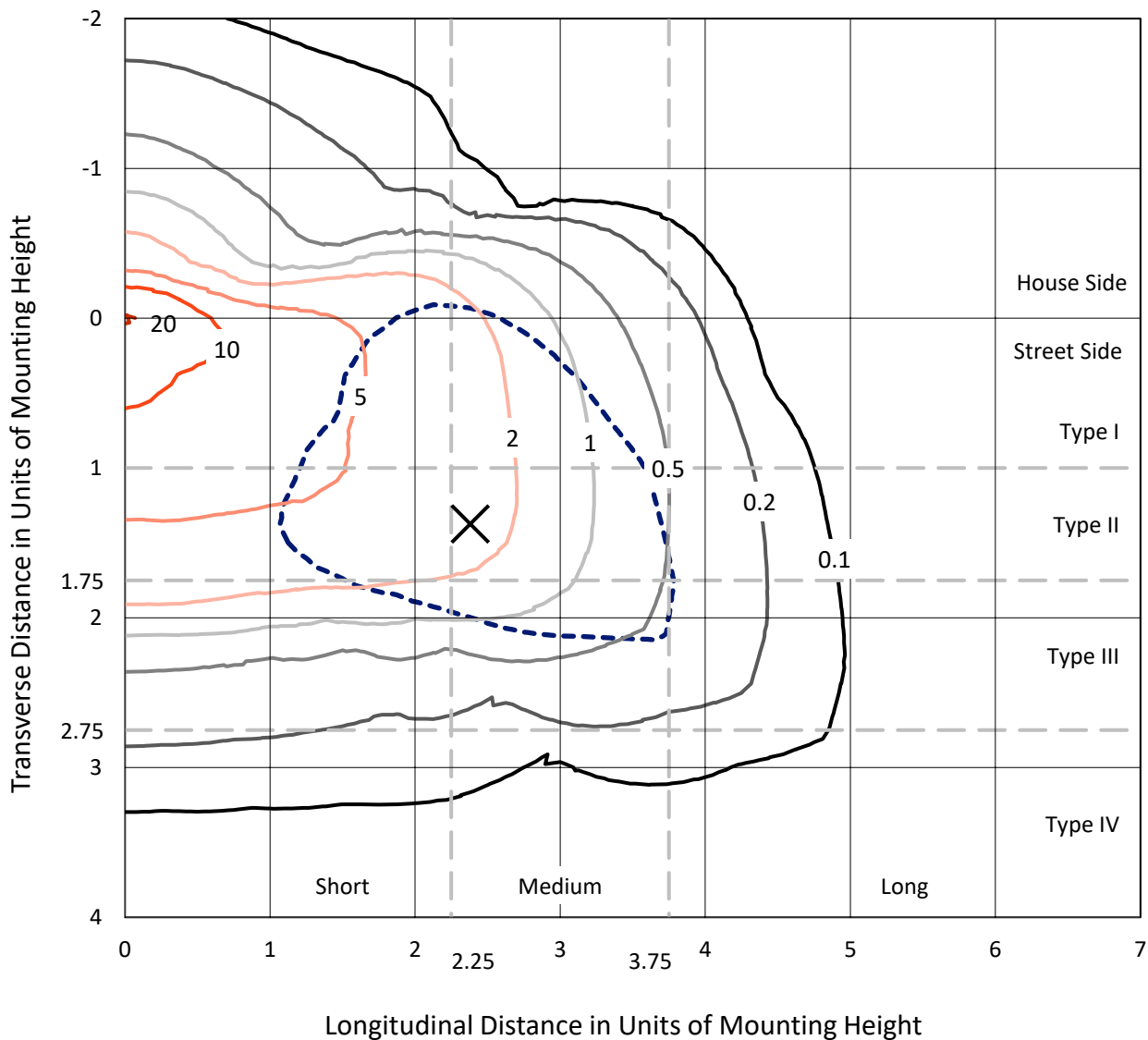
Lumens per Lamp: N/A  
Luminaire Lumens: 7507.1 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

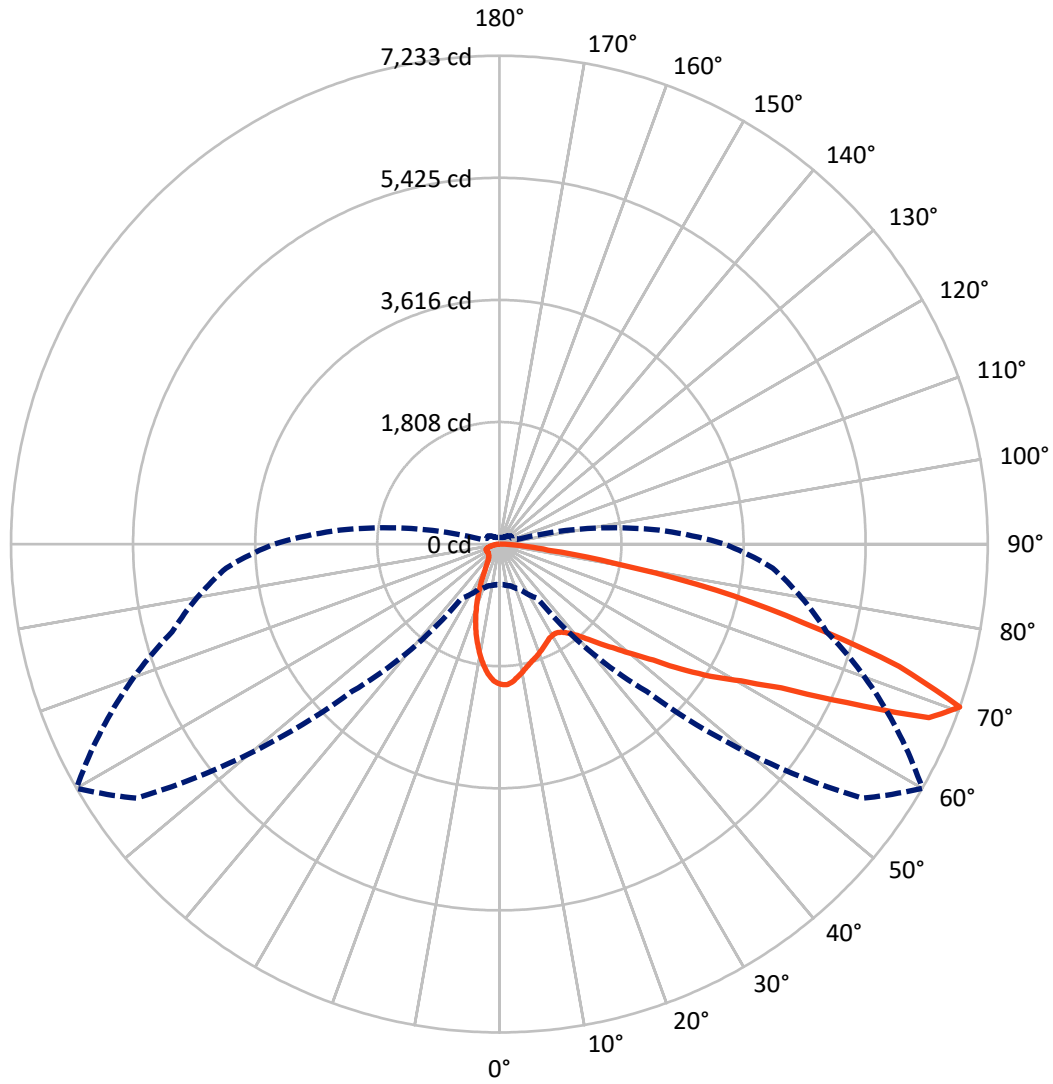
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1283.9	0.0	1283.9
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	6223.2	0.0	6223.2
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	7507.1	0.0	7507.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.1	2.4
10°-20°	401.1	5.3
20°-30°	513.7	6.8
30°-40°	675.2	9.0
40°-50°	979.6	13.0
50°-60°	1528.3	20.4
60°-70°	2000.9	26.7
70°-80°	1106.4	14.7
80°-90°	122.8	1.6
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°	7507.1	100.0
0°-180°	7507.1	100.0

**Coefficient of Utilization**



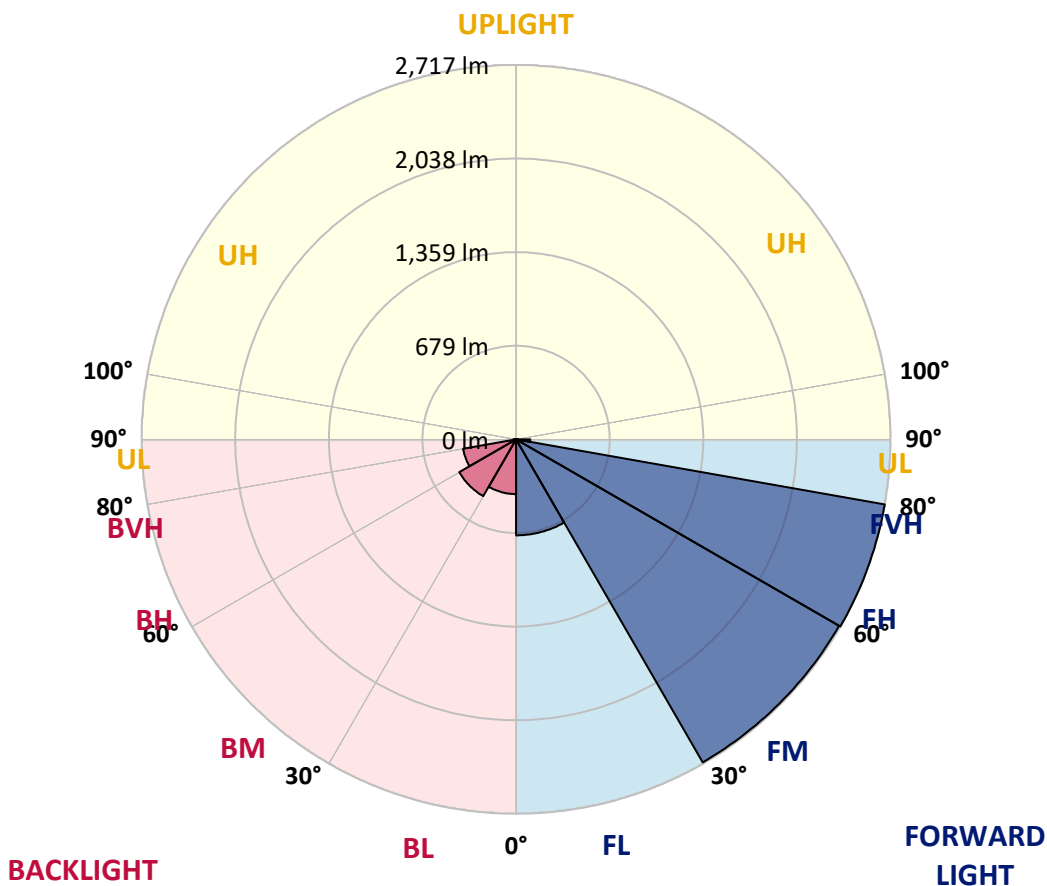
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	696.7	9.3			
FM (30°-60°)	2707.0	36.1			
FH (60°-80°)	2717.2	36.2			G2/5000
FVH (80°-90°)	102.3	1.4			G2/225
BL (0°-30°)	397.2	5.3	B1/500		
BM (30°-60°)	476.0	6.3	B1/1000		
BH (60°-80°)	390.2	5.2	B1/500		G1/500
BVH (80°-90°)	20.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3
2.5°	2048.2	2050.4	2056.4	2065.2	2074.0	2078.4	2089.4	2086.1	2083.9	2079.5	2074.0
5°	1957.6	1962.0	1967.5	1984.5	2003.7	2019.1	2043.8	2046.6	2047.7	2049.8	2041.1
7.5°	1842.2	1843.3	1856.5	1879.0	1904.3	1930.7	1971.9	1983.4	1993.3	2004.3	1997.1
10°	1714.8	1717.5	1727.4	1759.8	1803.2	1842.2	1897.7	1916.9	1937.8	1962.0	1952.1
12.5°	1610.4	1611.0	1626.9	1661.5	1708.8	1761.5	1830.7	1853.8	1881.2	1919.1	1910.3
15°	1527.5	1527.5	1542.3	1572.0	1626.4	1688.4	1770.8	1800.5	1837.8	1888.9	1873.5
17.5°	1461.6	1462.1	1471.5	1502.8	1551.1	1619.8	1717.5	1757.6	1798.8	1866.4	1843.3
20°	1427.0	1424.2	1425.9	1445.1	1486.3	1552.8	1664.3	1711.0	1766.4	1851.0	1815.9
22.5°	1425.3	1420.4	1413.3	1414.9	1439.1	1494.0	1607.1	1663.7	1733.5	1838.4	1787.9
25°	1453.3	1447.9	1435.2	1420.9	1418.7	1451.7	1553.3	1617.6	1699.4	1832.9	1760.9
27.5°	1500.6	1496.7	1480.3	1458.8	1436.3	1435.2	1512.7	1579.7	1674.7	1838.4	1741.7
30°	1563.2	1556.6	1546.2	1518.7	1484.7	1449.5	1496.7	1559.4	1658.2	1856.0	1733.5
32.5°	1634.1	1630.2	1620.3	1592.9	1556.6	1500.6	1509.4	1563.8	1658.2	1886.7	1735.1
35°	1709.3	1708.8	1708.8	1690.6	1650.5	1580.8	1559.4	1601.1	1683.5	1936.2	1752.7
37.5°	1782.4	1781.8	1799.4	1806.0	1760.4	1685.1	1644.5	1675.8	1739.0	2009.2	1796.1
40°	1841.7	1843.9	1882.3	1915.3	1890.0	1820.3	1763.1	1779.1	1829.0	2113.0	1871.9
42.5°	1901.5	1907.6	1965.3	2023.5	2033.4	1973.0	1915.3	1924.6	1958.1	2250.3	1985.0
45°	1966.9	1969.7	2050.4	2131.7	2179.5	2143.8	2096.5	2109.2	2116.9	2420.1	2153.7
47.5°	2030.1	2037.2	2141.6	2253.1	2343.7	2340.4	2314.0	2310.2	2311.8	2626.6	2353.0
50°	2116.3	2126.7	2249.2	2383.8	2516.7	2577.7	2585.4	2556.3	2544.2	2856.2	2601.3
52.5°	2280.0	2280.0	2389.8	2522.2	2700.7	2851.8	2903.4	2855.6	2817.2	3098.9	2865.0
55°	2484.9	2493.7	2581.0	2688.1	2914.4	3140.1	3314.8	3262.1	3153.3	3363.1	3141.2
57.5°	2576.0	2587.0	2725.4	2891.9	3194.0	3468.0	3710.3	3691.6	3532.9	3637.8	3427.9
60°	2411.3	2434.3	2624.9	2904.0	3447.2	3997.0	4167.8	4113.4	3886.6	3926.1	3738.8
62.5°	2011.4	2036.7	2248.1	2637.6	3412.0	4568.8	4889.0	4688.5	4328.2	4290.3	4153.0
65°	1200.1	1199.0	1453.3	1969.7	2978.7	4727.5	6030.4	5656.3	5010.4	4790.1	4579.2
67.5°	762.9	761.3	814.6	1043.6	1982.3	4338.6	6764.2	6861.4	5937.0	5157.6	4614.4
70°	602.0	601.4	639.9	744.3	980.4	3087.4	6559.8	7232.7	6496.7	5017.5	4062.9
72.5°	438.9	440.0	499.3	623.4	756.3	1550.0	5311.9	6188.5	5975.4	4429.3	3298.3
75°	315.3	316.9	352.6	477.3	697.6	847.5	3532.3	4653.4	4546.2	3550.4	2269.0
77.5°	200.5	202.7	234.0	334.5	563.5	684.4	2141.6	3285.1	3024.8	2000.4	806.9
80°	122.5	129.6	156.0	249.4	450.4	513.6	1070.5	1730.7	1514.9	548.7	271.3
82.5°	63.2	68.7	93.9	154.3	310.3	450.9	605.8	727.2	469.1	229.6	144.5
85°	19.8	23.1	33.0	62.6	147.8	279.6	401.0	361.4	215.3	108.2	67.0
87.5°	4.9	4.9	5.5	5.5	6.0	12.6	77.4	81.8	57.1	34.1	27.5
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°	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3	2077.3
2.5°	2063.0	2049.8	2044.4	2043.8	2030.1	2010.3	1997.1	1987.8	1982.3	1981.2	1981.2
5°	2026.2	2009.2	1986.7	1969.7	1932.9	1895.5	1864.2	1846.6	1826.3	1823.6	1823.0
7.5°	1977.3	1952.6	1909.8	1862.0	1797.7	1735.7	1682.9	1647.2	1611.5	1604.9	1602.7
10°	1924.6	1891.1	1818.1	1734.0	1637.9	1545.1	1464.3	1401.2	1359.4	1329.8	1324.3
12.5°	1872.4	1827.9	1720.8	1595.6	1463.8	1336.9	1215.5	1112.3	1037.6	994.2	986.5
15°	1823.6	1761.5	1614.8	1455.0	1283.6	1110.1	938.1	804.1	699.2	661.9	653.1
17.5°	1779.1	1701.6	1512.1	1309.4	1095.8	868.9	673.4	554.2	492.7	474.0	469.6
20°	1734.6	1640.1	1407.8	1156.2	896.4	642.1	492.1	436.1	413.0	405.9	403.7
22.5°	1686.8	1572.5	1294.1	1005.2	694.8	480.6	402.6	377.9	370.8	371.3	370.8
25°	1639.0	1503.9	1174.9	840.9	517.4	390.0	351.5	342.2	343.8	348.8	349.9
27.5°	1599.5	1442.9	1057.9	660.8	404.3	335.6	317.5	316.9	323.0	329.6	330.7
30°	1570.9	1388.5	942.5	508.1	332.9	298.2	291.1	294.4	301.5	306.5	308.1
32.5°	1550.6	1341.8	819.5	399.3	291.7	271.9	268.6	271.9	276.3	281.2	282.3
35°	1543.4	1307.8	698.7	325.7	263.6	252.7	250.5	252.1	254.3	257.1	258.2
37.5°	1559.4	1290.8	572.3	283.4	246.6	240.0	236.7	235.6	236.2	237.3	237.8
40°	1606.6	1298.5	469.1	258.7	235.6	229.6	224.1	221.9	221.4	222.5	221.9
42.5°	1687.9	1330.9	394.4	244.4	226.8	218.1	212.0	209.8	209.8	212.6	212.6
45°	1807.1	1394.6	340.5	234.0	219.2	208.2	201.6	200.5	202.7	207.1	207.6
47.5°	1981.7	1488.0	308.1	226.3	212.0	199.4	192.8	192.2	196.6	203.8	204.3
50°	2188.8	1622.5	290.6	220.8	207.1	192.2	185.7	186.2	191.1	198.8	200.5
52.5°	2438.2	1806.0	291.7	218.6	204.3	187.8	181.3	180.2	185.1	192.8	194.4
55°	2695.8	2029.0	313.1	219.2	200.5	185.7	176.9	173.0	177.4	182.9	183.5
57.5°	2979.2	2280.5	366.4	218.1	195.5	183.5	173.0	164.2	167.0	170.3	171.9
60°	3298.9	2576.6	481.2	220.3	193.3	178.5	165.3	153.8	153.2	155.4	156.0
62.5°	3726.2	2979.2	610.2	224.1	198.3	172.5	153.8	141.7	139.5	140.6	141.2
65°	4053.0	3171.4	569.6	220.8	208.7	168.1	142.8	130.2	125.8	124.7	124.7
67.5°	3920.1	2917.1	396.6	212.0	213.7	168.6	134.0	118.1	112.6	109.9	109.3
70°	3335.7	2369.5	275.7	203.2	208.2	167.5	124.7	108.2	101.1	97.2	96.7
72.5°	2635.4	1809.3	223.0	185.7	188.9	151.0	111.0	97.2	91.2	86.2	86.2
75°	1696.1	1104.0	186.2	165.3	154.3	117.5	96.1	86.8	80.7	75.8	75.8
77.5°	570.7	409.8	144.5	140.1	115.3	88.4	80.7	74.7	69.8	65.4	64.8
80°	231.8	194.4	106.0	106.0	80.7	67.6	63.2	60.4	57.1	51.6	51.6
82.5°	134.6	118.1	74.2	64.3	53.8	46.7	43.9	41.2	41.2	37.3	37.3
85°	64.8	65.4	44.5	39.5	30.8	26.9	25.8	24.2	23.6	21.4	20.9
87.5°	35.2	35.7	22.5	17.6	12.1	10.4	8.8	8.2	7.7	7.1	7.1
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)