

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: P634567

Luminaire Tested: GWS-SA3C-722-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-722-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10097.3 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

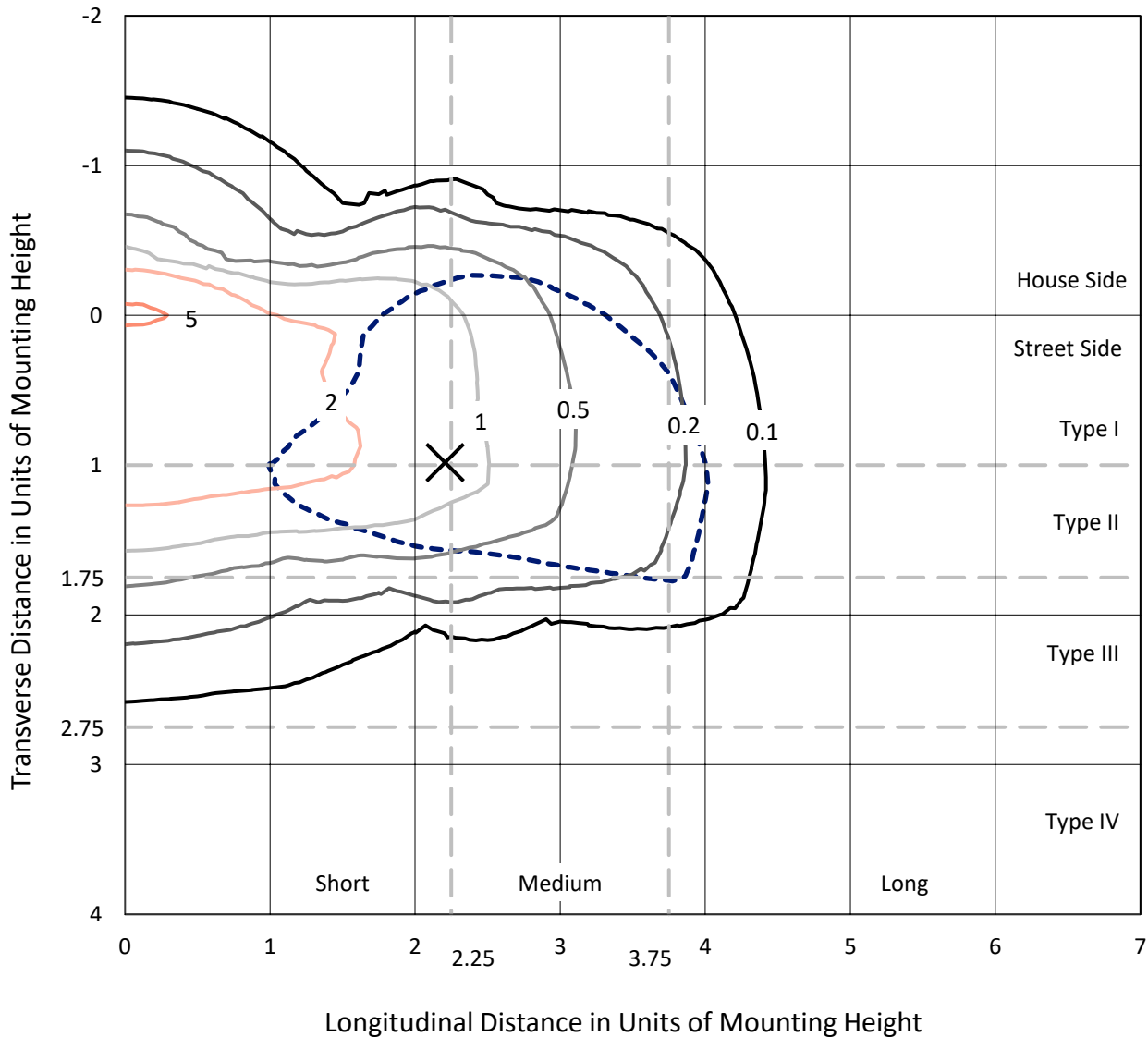
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

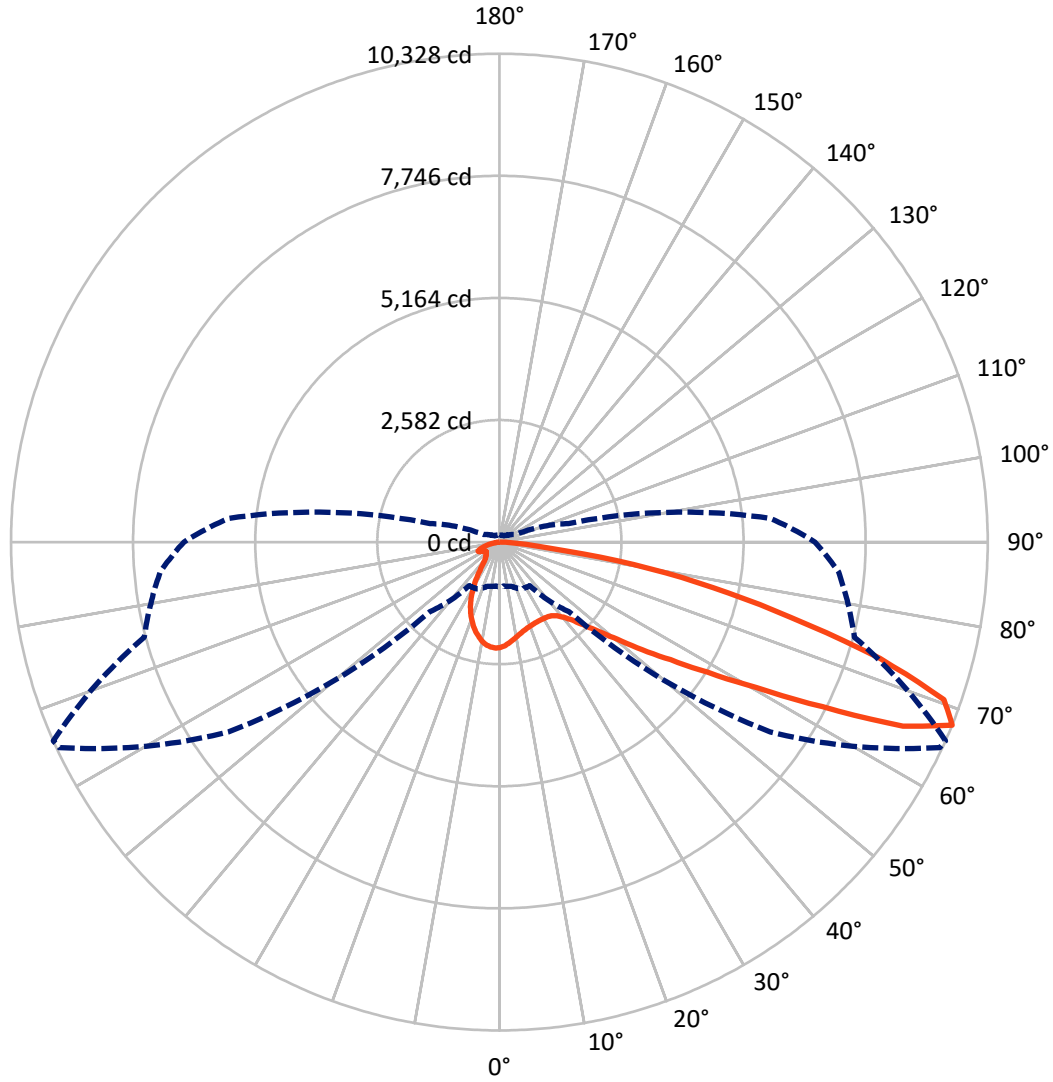
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2049.0	0.0	2049.0
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	8048.3	0.0	8048.3
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	10097.3	0.0	10097.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.8	1.9
10°-20°	481.2	4.8
20°-30°	661.5	6.6
30°-40°	904.4	9.0
40°-50°	1370.3	13.6
50°-60°	2130.2	21.1
60°-70°	2593.5	25.7
70°-80°	1579.8	15.6
80°-90°	180.5	1.8
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°	10097.3	100.0
0°-180°	10097.3	100.0

**Coefficient of Utilization**



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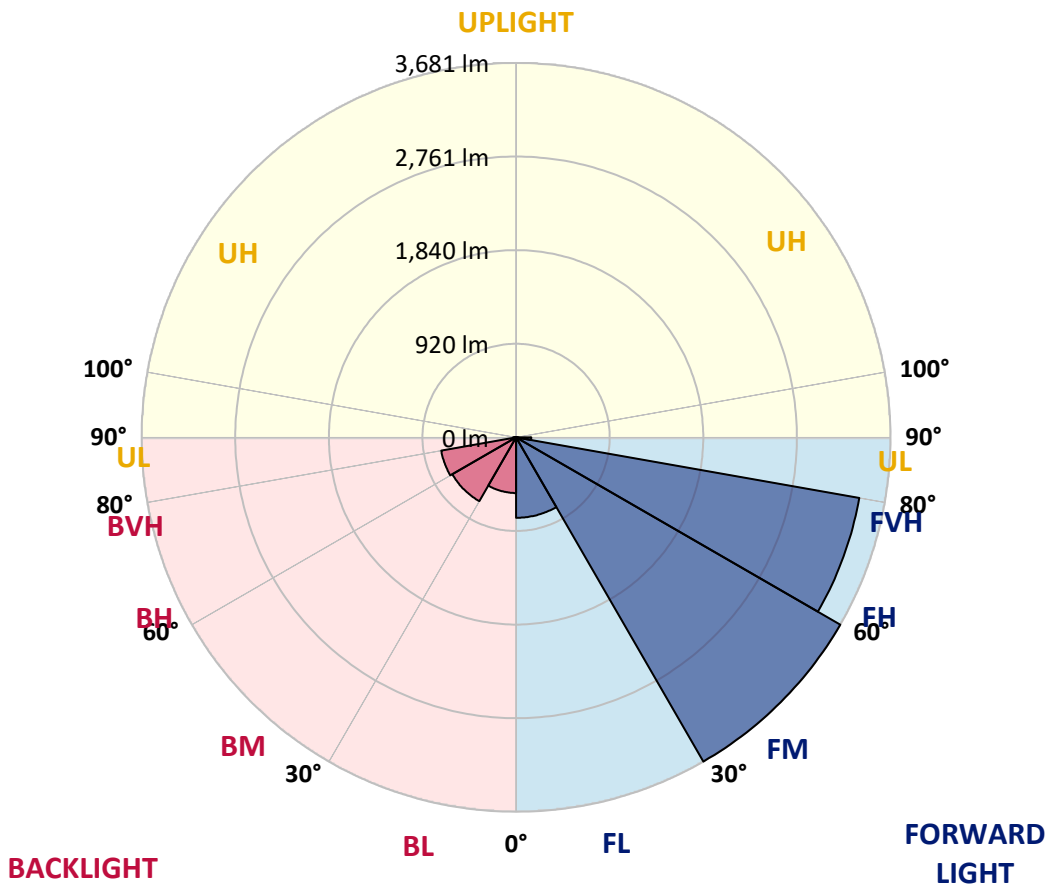
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	791.2	7.8			
FM (30°-60°)	3680.9	36.5			
FH (60°-80°)	3426.3	33.9			G2/5000
FVH (80°-90°)	150.0	1.5			G2/225
BL (0°-30°)	547.4	5.4	B2/1000		
BM (30°-60°)	724.1	7.2	B1/1000		
BH (60°-80°)	747.1	7.4	B2/1000		G2/1000
BVH (80°-90°)	30.4	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2
2.5°	2089.8	2097.2	2092.7	2120.7	2122.2	2157.6	2177.4	2194.4	2195.9	2218.0	2232.7
5°	1946.9	1951.3	1951.3	1977.8	1995.5	2042.6	2088.3	2136.9	2140.6	2193.6	2234.2
7.5°	1831.2	1835.7	1832.7	1868.1	1890.9	1943.2	2001.4	2075.8	2083.2	2168.6	2239.3
10°	1740.6	1739.2	1746.5	1778.9	1808.4	1871.0	1935.8	2020.5	2031.6	2139.9	2245.2
12.5°	1678.8	1680.2	1684.6	1718.5	1750.2	1812.1	1879.1	1971.2	1983.0	2106.7	2242.3
15°	1649.3	1646.3	1650.0	1681.0	1711.2	1765.7	1834.9	1929.9	1941.7	2077.3	2243.0
17.5°	1642.7	1640.4	1639.7	1661.8	1684.6	1735.5	1801.8	1898.3	1910.8	2058.1	2247.4
20°	1663.3	1660.3	1652.2	1661.8	1671.4	1714.1	1778.2	1875.4	1889.4	2045.6	2256.3
22.5°	1720.0	1714.8	1702.3	1690.5	1678.0	1703.8	1763.5	1858.5	1872.5	2037.5	2265.1
25°	1806.2	1801.8	1788.5	1762.0	1716.3	1711.9	1760.5	1851.1	1865.1	2031.6	2268.8
27.5°	1924.8	1918.2	1904.9	1866.6	1792.2	1742.1	1771.6	1850.4	1863.6	2025.0	2265.1
30°	2065.5	2061.1	2053.7	2007.3	1907.8	1806.2	1796.6	1856.3	1866.6	2021.3	2257.7
32.5°	2208.4	2204.0	2209.9	2187.8	2065.5	1912.3	1851.1	1872.5	1879.8	2020.5	2251.1
35°	2334.3	2339.5	2382.2	2385.9	2265.8	2055.9	1937.3	1910.1	1911.5	2035.3	2254.1
37.5°	2466.2	2486.1	2542.1	2589.9	2489.8	2245.9	2065.5	1980.8	1979.3	2072.8	2272.5
40°	2640.8	2649.6	2721.1	2810.9	2748.3	2506.7	2247.4	2096.4	2086.1	2149.5	2321.8
42.5°	2810.9	2832.3	2946.5	3049.6	3029.0	2800.6	2476.5	2269.5	2251.1	2285.0	2423.5
45°	3027.5	3048.1	3176.3	3308.9	3346.5	3132.8	2769.7	2515.6	2497.1	2489.0	2609.8
47.5°	3244.1	3265.4	3380.3	3571.9	3703.7	3548.3	3151.3	2840.4	2810.2	2778.5	2891.2
50°	3389.9	3415.0	3524.7	3754.5	4063.9	4066.9	3603.5	3266.2	3227.9	3177.8	3287.5
52.5°	3384.8	3401.0	3505.6	3770.7	4323.2	4662.8	4209.0	3808.3	3777.4	3668.4	3764.1
55°	3118.8	3143.2	3248.5	3580.0	4351.2	5227.8	5098.9	4447.7	4392.5	4197.3	4302.6
57.5°	2584.8	2605.4	2711.5	3120.3	4103.0	5517.3	6228.8	5262.4	5186.5	4773.3	4894.8
60°	1951.3	1926.3	1976.3	2334.3	3509.2	5524.6	7226.2	6367.3	6240.6	5389.1	5490.8
62.5°	1464.4	1439.4	1450.4	1551.3	2379.3	5078.2	7794.9	7878.9	7669.7	6084.5	6064.6
65°	1157.2	1143.2	1174.9	1244.1	1387.1	3867.2	7799.3	9513.4	9381.6	6890.3	6653.1
67.5°	942.9	934.0	966.4	1094.6	1124.8	2078.0	6993.5	10276.6	10328.1	7772.8	7199.0
70°	759.5	746.2	797.0	965.7	1046.0	1257.4	5009.7	9887.6	9970.9	8298.7	7045.0
72.5°	524.5	525.2	551.0	782.3	1009.9	1085.8	2833.8	8233.2	8413.7	7822.1	6193.5
75°	353.6	356.5	363.9	516.4	930.3	1053.4	1510.1	6233.3	6360.7	6465.3	5119.5
77.5°	213.6	215.1	232.0	312.3	641.6	983.4	1023.2	4518.4	4618.6	4262.1	3173.4
80°	123.8	128.9	144.4	209.2	433.1	738.8	791.9	2770.4	2883.9	1894.6	1008.4
82.5°	54.5	58.2	78.8	121.5	252.7	628.3	618.0	1094.6	1078.4	528.2	349.9
85°	9.6	11.8	16.9	38.3	92.8	331.5	479.5	483.2	454.5	200.4	145.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	72.2	129.6	128.9	56.7	50.1
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°	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2
2.5°	2242.3	2222.4	2240.1	2242.3	2238.6	2235.6	2213.5	2194.4	2192.2	2171.6	2171.6
5°	2250.4	2232.0	2240.8	2223.9	2197.3	2170.1	2122.9	2090.5	2075.8	2049.3	2049.3
7.5°	2261.4	2242.3	2232.0	2190.0	2128.1	2068.4	1992.6	1929.2	1903.4	1865.9	1864.4
10°	2271.7	2247.4	2212.1	2130.3	2031.6	1936.6	1826.1	1736.2	1675.1	1630.1	1630.1
12.5°	2271.0	2239.3	2169.3	2048.5	1912.3	1774.5	1627.2	1491.7	1410.6	1340.6	1336.2
15°	2269.5	2226.1	2114.8	1953.5	1773.0	1582.3	1381.9	1205.1	1085.0	1016.5	1010.6
17.5°	2268.0	2209.1	2053.7	1845.2	1603.6	1343.6	1079.1	887.6	787.4	745.5	746.9
20°	2268.0	2190.0	1988.1	1720.7	1408.4	1057.8	791.9	652.6	627.6	629.8	632.0
22.5°	2261.4	2166.4	1915.2	1585.2	1191.1	777.9	584.1	537.0	550.3	570.9	573.8
25°	2245.9	2127.4	1830.5	1434.9	932.6	566.5	476.6	467.8	492.1	517.8	525.2
27.5°	2221.6	2082.4	1735.5	1258.9	686.5	455.2	419.1	418.4	437.6	456.7	463.3
30°	2195.9	2032.3	1635.3	1062.9	497.2	396.3	382.3	382.3	391.9	403.7	402.2
32.5°	2165.7	1981.5	1527.7	858.9	405.1	363.2	358.7	356.5	358.0	362.4	362.4
35°	2139.9	1936.6	1417.3	643.1	363.2	344.7	340.3	335.2	333.0	330.0	331.5
37.5°	2130.3	1901.2	1303.1	484.7	342.5	331.5	324.1	316.7	311.6	310.1	309.4
40°	2145.8	1886.5	1188.9	399.2	327.8	317.5	309.4	299.8	295.4	295.4	295.4
42.5°	2206.2	1897.5	1072.5	360.9	317.5	305.7	293.9	285.1	283.6	285.1	285.8
45°	2316.7	1940.3	951.7	341.8	308.6	293.9	279.9	273.3	273.3	274.8	274.8
47.5°	2514.1	2052.2	832.4	330.0	299.8	284.3	269.6	263.0	262.2	263.7	263.7
50°	2855.9	2254.1	724.8	321.9	293.2	277.0	262.2	253.4	251.2	250.5	250.5
52.5°	3286.8	2603.9	656.3	316.0	285.1	268.9	254.1	242.3	237.9	235.7	235.7
55°	3807.6	3070.2	656.3	311.6	274.8	259.3	242.3	230.6	223.9	221.0	221.0
57.5°	4397.6	3613.1	769.8	307.9	266.7	248.2	229.8	218.0	210.7	206.3	206.3
60°	4998.0	4186.9	1050.4	302.8	259.3	234.2	215.8	204.8	195.2	190.0	189.3
62.5°	5620.4	4819.0	1420.2	305.7	254.1	221.0	201.1	188.6	180.5	175.3	174.6
65°	6190.5	5420.8	1743.6	328.5	254.9	209.2	184.2	173.1	166.5	159.8	159.1
67.5°	6674.5	5753.0	1516.7	374.9	270.3	195.2	167.2	156.2	150.3	145.9	145.1
70°	6335.7	5246.2	860.4	403.7	291.7	180.5	148.1	140.7	134.8	131.9	131.1
72.5°	5417.8	4441.8	575.3	356.5	265.9	161.3	130.4	124.5	120.1	116.4	115.6
75°	4388.8	3522.5	439.8	292.4	207.0	131.1	112.0	107.5	103.1	99.4	98.7
77.5°	2596.6	2035.3	324.1	231.3	145.9	102.4	92.8	89.1	84.7	81.8	81.0
80°	828.7	707.2	205.5	159.1	96.5	78.8	71.5	68.5	64.1	60.4	59.7
82.5°	316.0	273.3	109.0	81.0	64.1	53.8	47.9	44.9	42.0	38.3	37.6
85°	140.0	131.1	60.4	43.5	34.6	26.5	23.6	22.1	18.4	15.5	14.7
87.5°	49.4	49.4	25.8	12.5	7.4	3.7	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)