

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: P634237

Luminaire Tested: GWS-SA3B-735-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634237  
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-SA3B-735-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10081.3 lumens  
Efficiency: N/A  
Efficacy: 147.6 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): 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

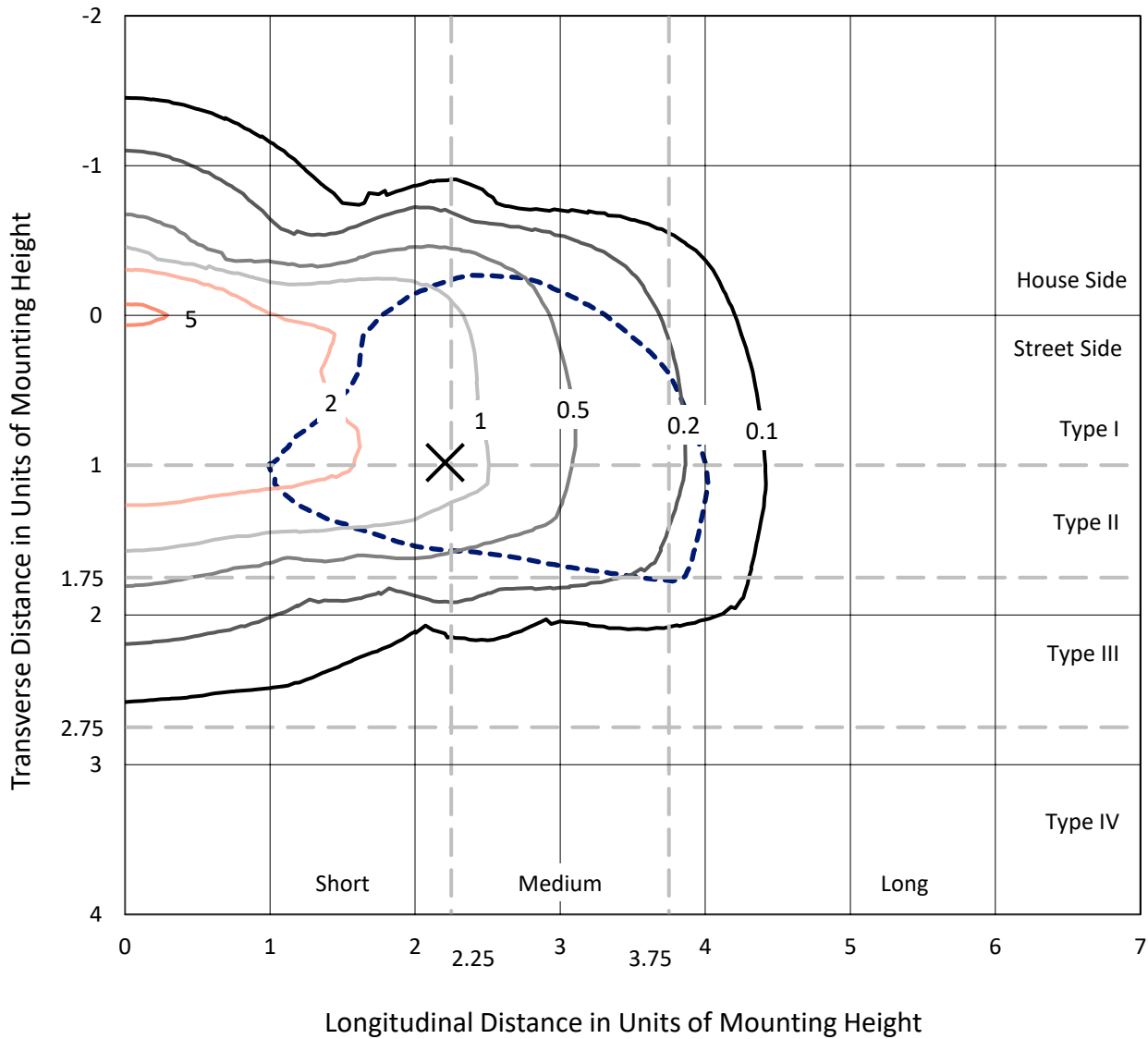


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### Iso-Footcandle Lines of Horizontal Illumination

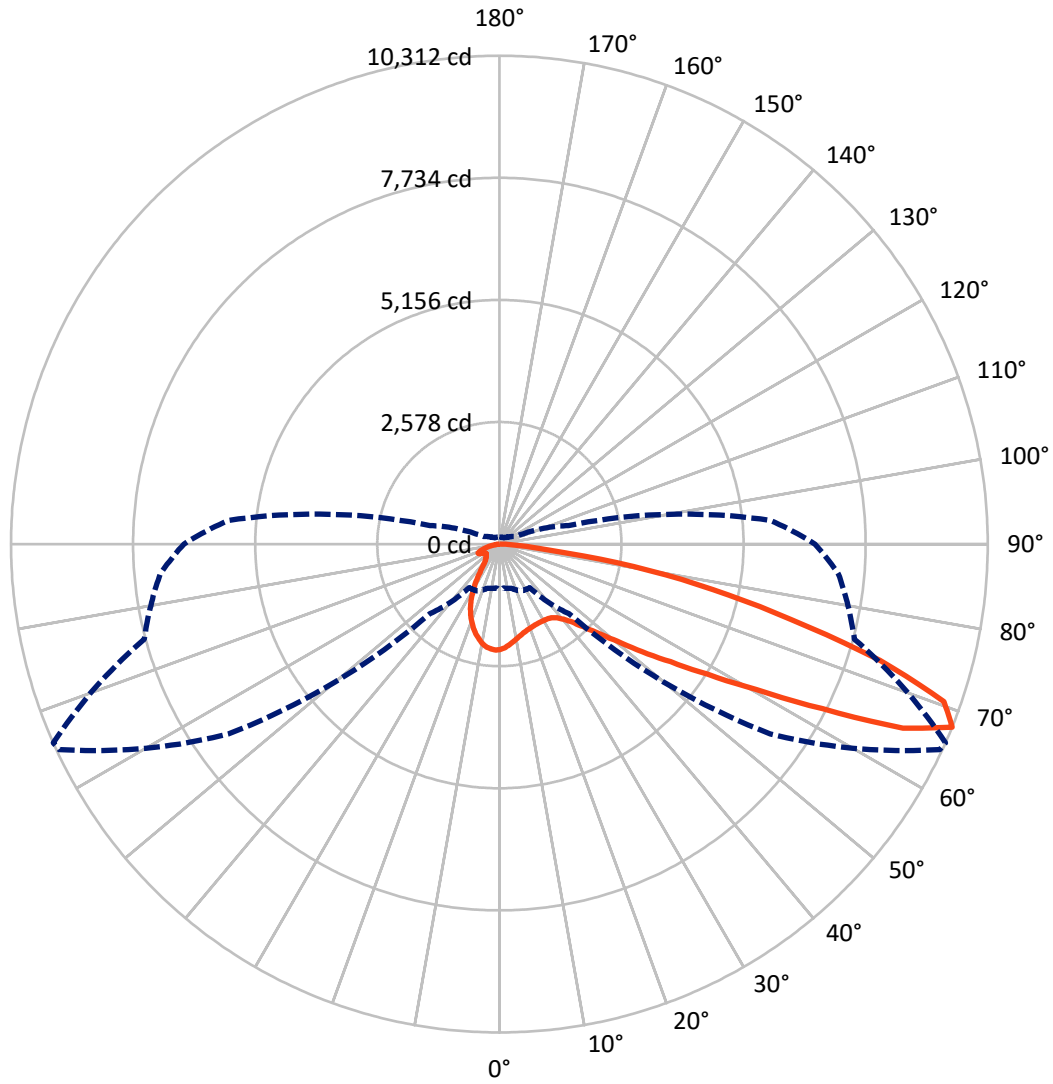
✕ Max cd  
 - - - 1/2 Max cd



Based on 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	2045.7	0.0	2045.7
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	8035.6	0.0	8035.6
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	10081.3	0.0	10081.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.5	1.9
10°-20°	480.5	4.8
20°-30°	660.4	6.6
30°-40°	902.9	9.0
40°-50°	1368.2	13.6
50°-60°	2126.9	21.1
60°-70°	2589.4	25.7
70°-80°	1577.3	15.6
80°-90°	180.2	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°	10081.3	100.0
0°-180°	10081.3	100.0

**Coefficient of Utilization**



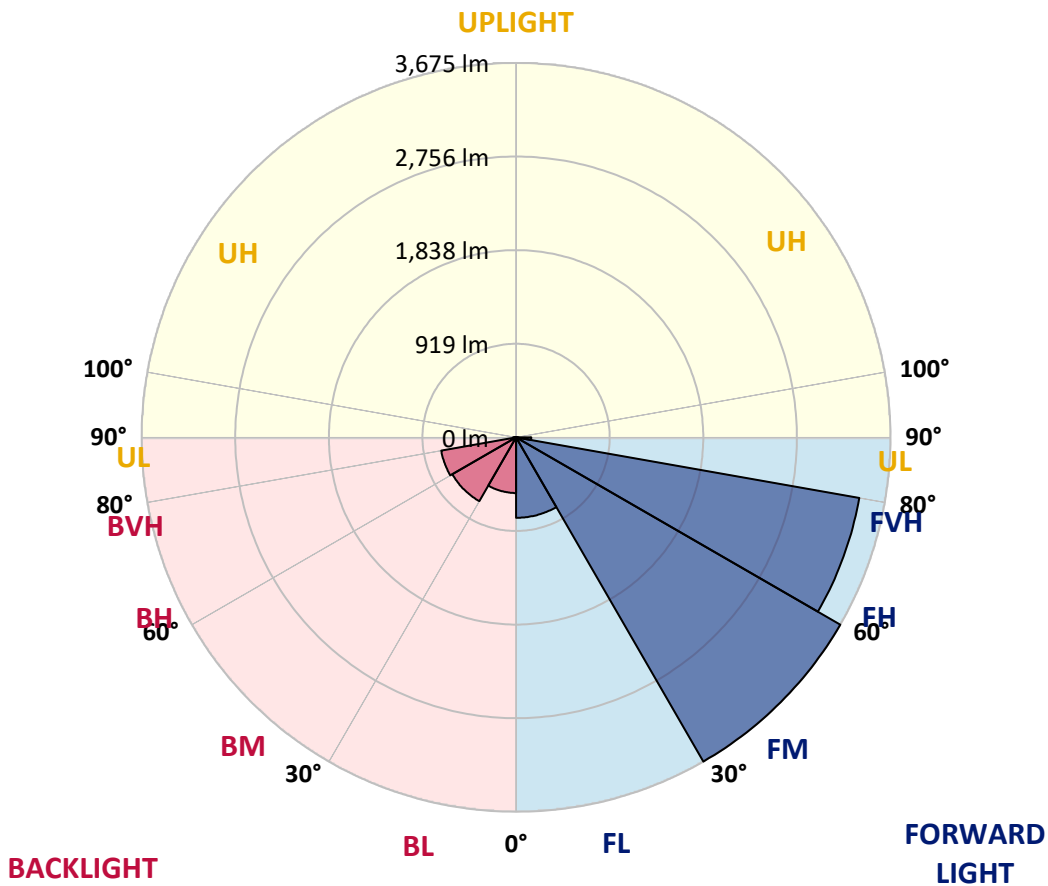
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	789.9	7.8			
FM (30°-60°)	3675.0	36.5			
FH (60°-80°)	3420.8	33.9			G2/5000
FVH (80°-90°)	149.8	1.5			G2/225
BL (0°-30°)	546.5	5.4	B2/1000		
BM (30°-60°)	722.9	7.2	B1/1000		
BH (60°-80°)	745.9	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°	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7
2.5°	2086.5	2093.8	2089.4	2117.4	2118.8	2154.1	2174.0	2190.9	2192.4	2214.4	2229.2
5°	1943.8	1948.2	1948.2	1974.7	1992.3	2039.4	2085.0	2133.5	2137.2	2190.2	2230.6
7.5°	1828.3	1832.7	1829.8	1865.1	1887.9	1940.1	1998.2	2072.5	2079.9	2165.2	2235.8
10°	1737.9	1736.4	1743.8	1776.1	1805.5	1868.0	1932.8	2017.3	2028.4	2136.5	2241.7
12.5°	1676.1	1677.6	1682.0	1715.8	1747.4	1809.2	1876.1	1968.1	1979.8	2103.4	2238.7
15°	1646.7	1643.7	1647.4	1678.3	1708.5	1762.9	1832.0	1926.9	1938.6	2074.0	2239.4
17.5°	1640.1	1637.8	1637.1	1659.2	1682.0	1732.7	1798.9	1895.3	1907.8	2054.9	2243.9
20°	1660.6	1657.7	1649.6	1659.2	1668.7	1711.4	1775.4	1872.5	1886.4	2042.3	2252.7
22.5°	1717.3	1712.1	1699.6	1687.9	1675.4	1701.1	1760.7	1855.5	1869.5	2034.3	2261.5
25°	1803.3	1798.9	1785.7	1759.2	1713.6	1709.2	1757.7	1848.2	1862.2	2028.4	2265.2
27.5°	1921.7	1915.1	1901.9	1863.6	1789.4	1739.3	1768.8	1847.5	1860.7	2021.8	2261.5
30°	2062.2	2057.8	2050.4	2004.1	1904.8	1803.3	1793.8	1853.3	1863.6	2018.1	2254.2
32.5°	2204.9	2200.5	2206.4	2184.3	2062.2	1909.2	1848.2	1869.5	1876.9	2017.3	2247.5
35°	2330.6	2335.8	2378.4	2382.1	2262.2	2052.6	1934.2	1907.0	1908.5	2032.1	2250.5
37.5°	2462.3	2482.1	2538.0	2585.8	2485.8	2242.4	2062.2	1977.6	1976.2	2069.6	2268.9
40°	2636.6	2645.4	2716.8	2806.5	2744.0	2502.7	2243.9	2093.1	2082.8	2146.0	2318.1
42.5°	2806.5	2827.8	2941.8	3044.8	3024.2	2796.2	2472.6	2265.9	2247.5	2281.4	2419.6
45°	3022.7	3043.3	3171.3	3303.6	3341.2	3127.9	2765.3	2511.6	2493.2	2485.1	2605.7
47.5°	3238.9	3260.3	3375.0	3566.2	3697.8	3542.7	3146.3	2835.9	2805.7	2774.1	2886.6
50°	3384.5	3409.6	3519.1	3748.6	4057.5	4060.4	3597.8	3261.0	3222.7	3172.7	3282.3
52.5°	3379.4	3395.6	3500.0	3764.8	4316.4	4655.4	4202.4	3802.3	3771.4	3662.5	3758.2
55°	3113.9	3138.2	3243.3	3574.3	4344.3	5219.5	5090.8	4440.7	4385.5	4190.6	4295.8
57.5°	2580.7	2601.3	2707.2	3115.4	4096.5	5508.5	6219.0	5254.1	5178.3	4765.7	4887.1
60°	1948.2	1923.2	1973.2	2330.6	3503.7	5515.9	7214.8	6357.2	6230.7	5380.6	5482.1
62.5°	1462.1	1437.1	1448.1	1548.9	2375.5	5070.2	7782.5	7866.4	7657.5	6074.8	6055.0
65°	1155.4	1141.4	1173.0	1242.2	1384.9	3861.1	7787.0	9498.3	9366.7	6879.4	6642.6
67.5°	941.4	932.6	964.9	1092.9	1123.0	2074.7	6982.4	10260.3	10311.8	7760.5	7187.6
70°	758.2	745.0	795.8	964.2	1044.3	1255.4	5001.8	9872.0	9955.1	8285.6	7033.9
72.5°	523.6	524.4	550.1	781.0	1008.3	1084.1	2829.3	8220.1	8400.3	7809.8	6183.7
75°	353.0	356.0	363.3	515.6	928.9	1051.7	1507.7	6223.4	6350.6	6455.1	5111.4
77.5°	213.3	214.8	231.7	311.8	640.6	981.8	1021.5	4511.3	4611.3	4255.3	3168.3
80°	123.6	128.7	144.1	208.9	432.4	737.7	790.6	2766.0	2879.3	1891.6	1006.8
82.5°	54.4	58.1	78.7	121.3	252.3	627.3	617.0	1092.9	1076.7	527.3	349.3
85°	9.6	11.8	16.9	38.2	92.7	331.0	478.8	482.5	453.8	200.0	144.9
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	72.1	129.4	128.7	56.6	50.0
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°	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7	2227.7
2.5°	2238.7	2218.9	2236.5	2238.7	2235.0	2232.1	2210.0	2190.9	2188.7	2168.1	2168.1
5°	2246.8	2228.4	2237.2	2220.3	2193.9	2166.6	2119.6	2087.2	2072.5	2046.0	2046.0
7.5°	2257.8	2238.7	2228.4	2186.5	2124.7	2065.1	1989.4	1926.1	1900.4	1862.9	1861.4
10°	2268.1	2243.9	2208.6	2126.9	2028.4	1933.5	1823.2	1733.5	1672.4	1627.6	1627.6
12.5°	2267.4	2235.8	2165.9	2045.3	1909.2	1771.7	1624.6	1489.3	1408.4	1338.5	1334.1
15°	2265.9	2222.5	2111.5	1950.4	1770.2	1579.7	1379.7	1203.2	1083.3	1014.9	1009.0
17.5°	2264.5	2205.6	2050.4	1842.3	1601.1	1341.5	1077.4	886.2	786.2	744.3	745.7
20°	2264.5	2186.5	1985.0	1718.0	1406.2	1056.1	790.6	651.6	626.6	628.8	631.0
22.5°	2257.8	2163.0	1912.2	1582.7	1189.2	776.6	583.2	536.1	549.4	570.0	572.9
25°	2242.4	2124.0	1827.6	1432.7	931.1	565.6	475.8	467.0	491.3	517.0	524.4
27.5°	2218.1	2079.1	1732.7	1256.9	685.4	454.5	418.5	417.7	436.9	456.0	462.6
30°	2192.4	2029.1	1632.7	1061.3	496.4	395.7	381.7	381.7	391.3	403.0	401.6
32.5°	2162.2	1978.4	1525.3	857.5	404.5	362.6	358.2	356.0	357.4	361.8	361.8
35°	2136.5	1933.5	1415.0	642.0	362.6	344.2	339.8	334.6	332.4	329.5	331.0
37.5°	2126.9	1898.2	1301.0	483.9	342.0	331.0	323.6	316.2	311.1	309.6	308.9
40°	2142.4	1883.5	1187.0	398.6	327.3	317.0	308.9	299.3	294.9	294.9	294.9
42.5°	2202.7	1894.5	1070.8	360.4	317.0	305.2	293.4	284.6	283.1	284.6	285.4
45°	2313.0	1937.2	950.2	341.2	308.2	293.4	279.5	272.9	272.9	274.3	274.3
47.5°	2510.1	2049.0	831.1	329.5	299.3	283.9	269.2	262.6	261.8	263.3	263.3
50°	2851.3	2250.5	723.7	321.4	292.7	276.5	261.8	253.0	250.8	250.1	250.1
52.5°	3281.6	2599.8	655.3	315.5	284.6	268.4	253.7	242.0	237.6	235.3	235.3
55°	3801.5	3065.4	655.3	311.1	274.3	258.9	242.0	230.2	223.6	220.6	220.6
57.5°	4390.6	3607.4	768.5	307.4	266.2	247.8	229.5	217.7	210.3	205.9	205.9
60°	4990.0	4180.3	1048.8	302.3	258.9	233.9	215.5	204.5	194.9	189.7	189.0
62.5°	5611.5	4811.3	1417.9	305.2	253.7	220.6	200.8	188.3	180.2	175.0	174.3
65°	6180.7	5412.2	1740.8	328.0	254.5	208.9	183.9	172.8	166.2	159.6	158.9
67.5°	6663.9	5743.9	1514.3	374.3	269.9	194.9	166.9	155.9	150.0	145.6	144.9
70°	6325.6	5237.9	859.0	403.0	291.2	180.2	147.8	140.5	134.6	131.6	130.9
72.5°	5409.2	4434.8	574.4	356.0	265.5	161.1	130.2	124.3	119.9	116.2	115.5
75°	4381.8	3516.9	439.1	292.0	206.7	130.9	111.8	107.4	103.0	99.3	98.6
77.5°	2592.5	2032.1	323.6	230.9	145.6	102.2	92.7	89.0	84.6	81.6	80.9
80°	827.4	706.0	205.2	158.9	96.3	78.7	71.3	68.4	64.0	60.3	59.6
82.5°	315.5	272.9	108.8	80.9	64.0	53.7	47.8	44.9	41.9	38.2	37.5
85°	139.7	130.9	60.3	43.4	34.6	26.5	23.5	22.1	18.4	15.4	14.7
87.5°	49.3	49.3	25.7	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)