

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: P634869

Luminaire Tested: GWS-SA3C-750-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634869  
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-SA3C-750-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14278.9 lumens  
Efficiency: N/A  
Efficacy: 153.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

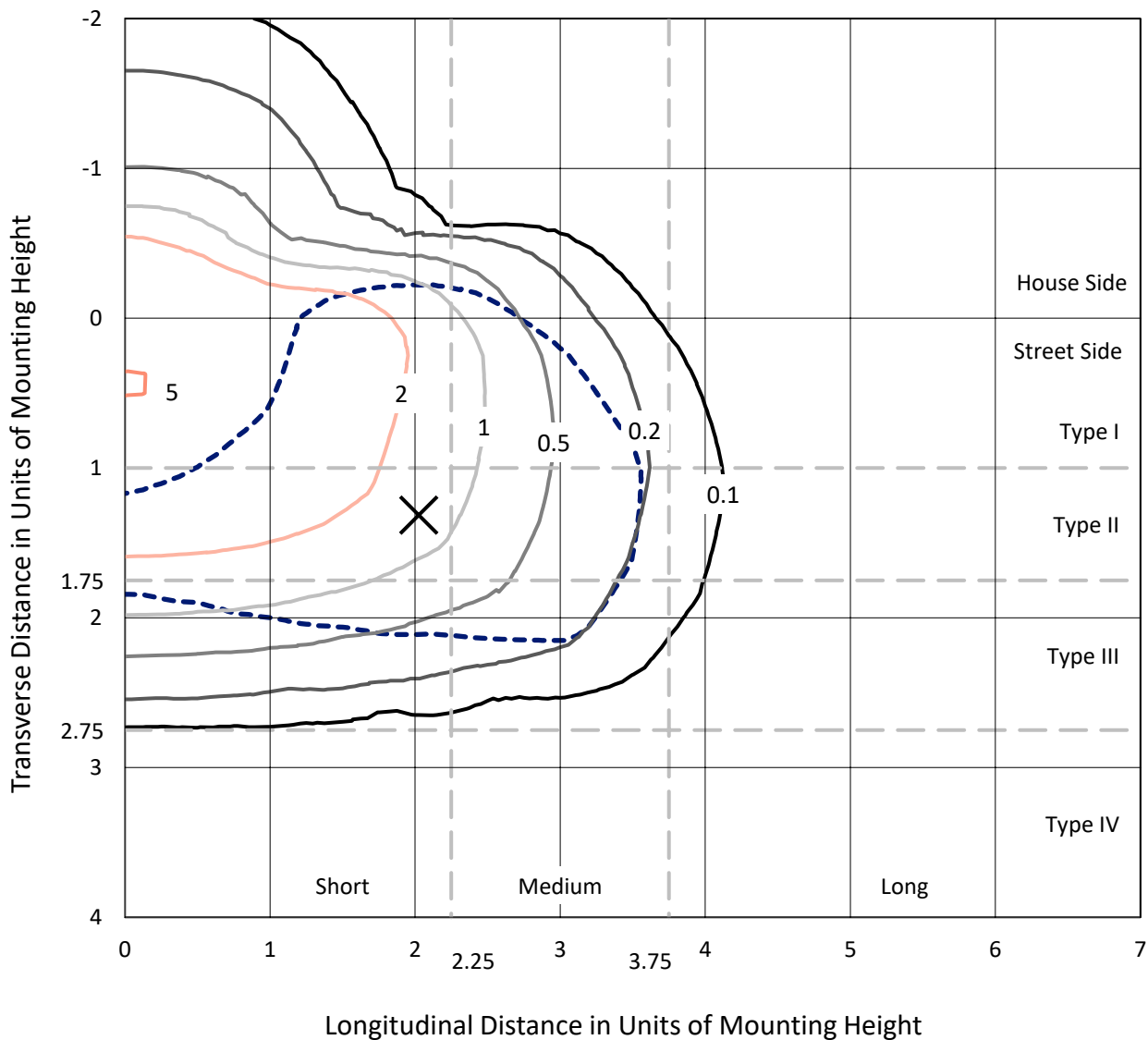
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

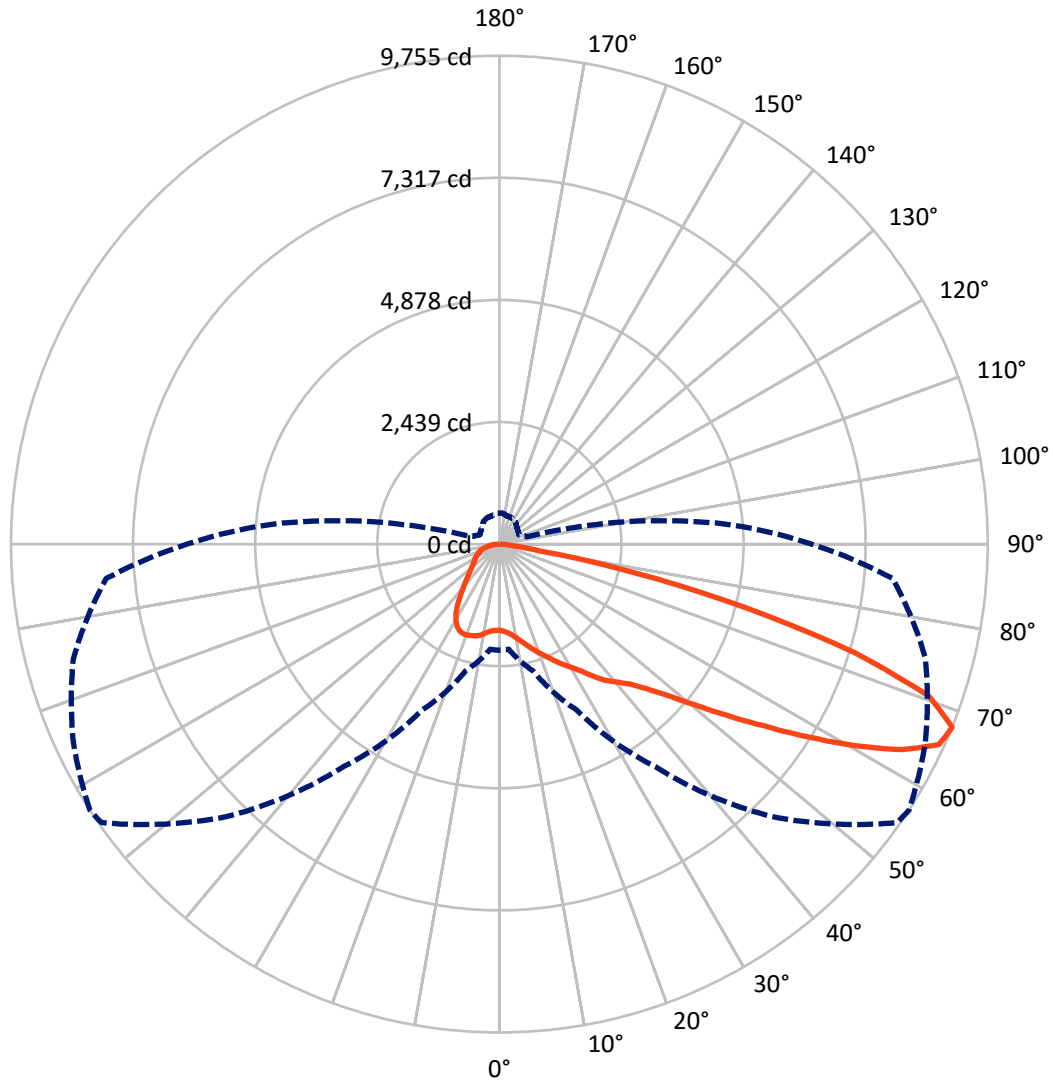
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 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
<b>House Side</b>	Lumens	3139.4	0.0	3139.4
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	11139.5	0.0	11139.5
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	14278.9	0.0	14278.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.6	1.2
10°-20°	564.9	4.0
20°-30°	1007.1	7.1
30°-40°	1464.2	10.3
40°-50°	2119.2	14.8
50°-60°	3316.5	23.2
60°-70°	3868.9	27.1
70°-80°	1615.0	11.3
80°-90°	152.4	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°	14278.9	100.0
0°-180°	14278.9	100.0

**Coefficient of Utilization**



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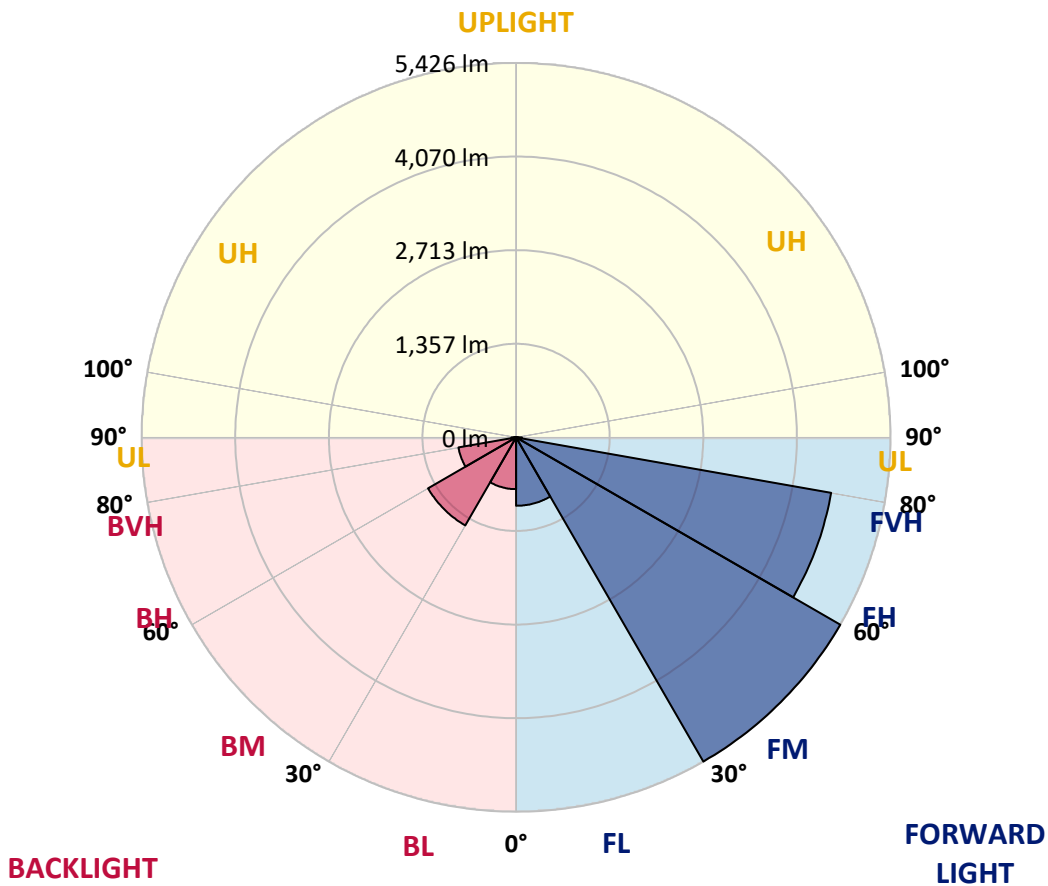
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.8	6.9			
FM (30°-60°)	5426.2	38.0			
FH (60°-80°)	4636.6	32.5			G2/5000
FVH (80°-90°)	84.9	0.6			G1/100
BL (0°-30°)	750.8	5.3	B2/1000		
BM (30°-60°)	1473.7	10.3	B2/2500		
BH (60°-80°)	847.3	5.9	B2/1000		G2/1000
BVH (80°-90°)	67.5	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°	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5
2.5°	1745.1	1743.0	1742.0	1748.1	1746.1	1745.1	1745.1	1744.0	1742.0	1733.8	1722.6
5°	1793.1	1789.0	1785.0	1790.1	1786.0	1781.9	1780.9	1778.8	1771.7	1759.4	1742.0
7.5°	1843.3	1839.2	1840.2	1843.3	1840.2	1838.1	1835.1	1833.0	1821.8	1802.3	1778.8
10°	1913.8	1913.8	1915.9	1919.0	1920.0	1916.9	1910.8	1907.7	1894.4	1869.9	1837.1
12.5°	2016.1	2014.1	2014.1	2012.0	2015.1	2012.0	2005.9	2000.8	1984.4	1952.7	1905.7
15°	2151.1	2143.0	2135.8	2122.5	2118.4	2107.2	2109.2	2106.1	2090.8	2047.8	1988.5
17.5°	2295.4	2294.4	2283.1	2256.5	2229.9	2211.5	2215.6	2214.6	2206.4	2148.1	2072.4
20°	2422.2	2427.3	2417.1	2396.6	2360.8	2326.1	2324.0	2329.1	2318.9	2260.6	2155.2
22.5°	2564.4	2560.3	2550.1	2523.5	2496.9	2460.1	2447.8	2443.7	2439.6	2373.1	2240.1
25°	2699.4	2711.7	2698.4	2673.8	2632.9	2593.0	2582.8	2586.9	2575.7	2487.7	2331.2
27.5°	2870.2	2875.4	2867.2	2833.4	2798.6	2742.4	2722.9	2722.9	2718.9	2595.1	2402.8
30°	3052.3	3066.6	3052.3	3024.7	2988.9	2908.1	2866.2	2862.1	2849.8	2705.6	2486.7
32.5°	3235.4	3245.6	3235.4	3208.8	3167.9	3097.3	3037.0	3027.8	3011.4	2826.3	2572.6
35°	3398.1	3407.3	3405.2	3411.4	3377.6	3288.6	3251.8	3247.7	3204.7	2983.8	2689.2
37.5°	3576.0	3587.3	3572.0	3584.2	3570.9	3487.1	3475.8	3455.3	3394.0	3132.1	2811.9
40°	3778.6	3788.8	3764.3	3769.4	3754.0	3707.0	3649.7	3622.1	3531.0	3292.7	3005.3
42.5°	3995.4	4019.0	4030.2	4021.0	3985.2	3958.6	3858.4	3823.6	3747.9	3582.2	3323.4
45°	4309.5	4344.2	4360.6	4337.1	4321.7	4283.9	4161.1	4119.2	4079.3	3990.3	3767.3
47.5°	4648.0	4679.7	4731.9	4742.1	4754.4	4725.8	4552.9	4512.0	4519.2	4508.9	4313.6
50°	4918.1	4944.7	5062.3	5188.1	5292.5	5300.6	5079.7	5035.7	5074.6	5107.3	4971.3
52.5°	5114.5	5138.0	5293.5	5553.3	5789.6	5964.5	5726.2	5676.0	5707.8	5781.4	5719.0
55°	5274.0	5306.8	5469.4	5868.4	6346.0	6622.2	6469.8	6406.4	6393.1	6484.1	6519.9
57.5°	5357.9	5368.2	5596.3	6114.9	6754.2	7267.7	7334.2	7262.6	7135.7	7185.8	7372.0
60°	5166.6	5184.0	5496.0	6178.3	7076.4	7908.0	8241.5	8182.1	7912.1	7939.7	8145.3
62.5°	4637.8	4662.4	5037.8	5876.5	7103.0	8335.6	9079.2	9041.4	8679.3	8529.9	8591.3
65°	3720.3	3728.5	4117.2	5129.8	6574.1	8388.8	9663.3	9654.1	9215.3	8865.4	8602.6
67.5°	2121.5	2107.2	2626.8	3658.9	5425.4	7697.3	9701.1	9755.4	9389.2	8810.2	7886.5
70°	919.6	921.6	1161.0	1805.4	3511.6	6221.3	9010.7	9103.8	8885.9	7890.6	6274.4
72.5°	425.5	431.7	535.0	781.5	1499.6	3859.4	7347.5	7431.3	7244.1	6315.4	4565.2
75°	300.7	305.8	357.0	448.0	689.4	1503.7	4915.0	5091.0	5182.0	4723.7	3008.3
77.5°	228.1	235.3	260.8	311.0	425.5	532.9	2351.6	2771.0	3300.9	2938.8	1549.7
80°	145.3	145.3	172.9	207.6	259.8	277.2	679.2	805.0	1615.2	1211.1	608.6
82.5°	98.2	101.3	117.6	132.0	149.3	157.5	291.5	311.0	466.4	412.2	250.6
85°	52.2	54.2	61.4	60.4	71.6	62.4	122.7	121.7	170.8	187.2	95.1
87.5°	0.0	0.0	1.0	1.0	2.0	3.1	13.3	14.3	35.8	57.3	31.7
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°	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5
2.5°	1728.7	1716.4	1722.6	1720.5	1726.6	1726.6	1715.4	1712.3	1713.3	1701.1	1697.0
5°	1744.0	1729.7	1732.8	1728.7	1734.8	1739.9	1734.8	1734.8	1741.0	1731.8	1726.6
7.5°	1778.8	1762.4	1762.4	1757.3	1764.5	1768.6	1764.5	1770.6	1781.9	1772.7	1767.6
10°	1834.1	1814.6	1815.6	1809.5	1812.6	1810.5	1794.2	1789.0	1792.1	1783.9	1779.8
12.5°	1905.7	1879.1	1879.1	1866.8	1859.6	1838.1	1804.4	1792.1	1794.2	1787.0	1783.9
15°	1974.2	1949.6	1944.5	1920.0	1887.2	1847.3	1816.7	1808.5	1810.5	1803.4	1798.3
17.5°	2055.0	2023.3	2004.9	1959.9	1899.5	1858.6	1827.9	1808.5	1792.1	1775.7	1771.7
20°	2129.7	2089.8	2056.0	1986.5	1912.8	1856.6	1799.3	1751.2	1711.3	1689.8	1684.7
22.5°	2206.4	2155.2	2095.9	2004.9	1911.8	1819.7	1714.4	1641.7	1582.4	1550.7	1556.8
25°	2279.0	2214.6	2133.8	2022.3	1879.1	1737.9	1594.7	1486.3	1418.8	1394.2	1387.0
27.5°	2339.4	2259.6	2168.5	2014.1	1811.5	1620.3	1431.0	1310.3	1244.9	1217.2	1210.1
30°	2406.9	2316.9	2218.7	1976.2	1705.2	1455.6	1245.9	1147.7	1100.6	1074.0	1075.1
32.5°	2484.6	2390.5	2289.2	1903.6	1569.1	1277.6	1093.5	1026.0	988.1	961.5	957.4
35°	2588.9	2495.9	2336.3	1794.2	1396.3	1113.9	989.1	933.9	886.9	852.1	844.9
37.5°	2717.8	2654.4	2341.4	1647.9	1211.1	1001.4	914.5	855.1	797.9	751.8	746.7
40°	2938.8	2866.2	2299.5	1464.8	1053.6	928.8	852.1	783.5	717.0	665.9	658.7
42.5°	3253.8	3104.5	2209.5	1258.2	934.9	871.5	792.7	705.8	638.3	602.5	597.4
45°	3654.8	3370.4	2074.4	1063.8	847.0	815.2	730.3	639.3	603.5	577.9	572.8
47.5°	4145.8	3680.4	1919.0	912.4	778.4	764.1	666.9	616.8	585.1	563.6	558.5
50°	4732.9	4075.2	1791.1	793.8	717.0	704.8	646.5	603.5	577.9	560.5	556.5
52.5°	5402.9	4514.0	1728.7	708.9	663.9	651.6	639.3	600.4	579.0	565.7	560.5
55°	6098.5	4976.4	1670.4	643.4	618.9	626.0	640.3	610.7	594.3	576.9	571.8
57.5°	6770.5	5410.1	1527.2	592.3	586.1	613.7	645.4	620.9	601.5	584.1	577.9
60°	7233.9	5647.4	1284.8	551.3	561.6	598.4	632.1	605.6	581.0	573.8	570.8
62.5°	7358.7	5618.8	997.3	509.4	531.9	564.6	597.4	580.0	554.4	565.7	566.7
65°	7067.2	5311.9	748.8	468.5	493.0	520.7	561.6	554.4	545.2	575.9	576.9
67.5°	6241.7	4558.0	570.8	432.7	453.1	486.9	550.3	580.0	582.0	620.9	616.8
70°	4722.7	3405.2	447.0	398.9	422.5	486.9	586.1	599.4	574.9	610.7	602.5
72.5°	3265.1	2247.3	380.5	369.3	384.6	464.4	585.1	585.1	558.5	558.5	543.2
75°	2028.4	1321.6	331.4	331.4	331.4	406.1	568.7	539.1	492.0	470.5	458.3
77.5°	1001.4	642.4	278.2	288.5	277.2	339.6	464.4	440.9	412.2	389.7	381.5
80°	427.6	321.2	225.0	236.3	223.0	255.7	368.2	363.1	335.5	305.8	296.6
82.5°	196.4	165.7	180.0	185.1	162.6	192.3	269.0	269.0	253.7	212.8	197.4
85°	83.9	88.0	124.8	124.8	102.3	108.4	144.2	137.1	122.7	100.2	92.1
87.5°	28.6	43.0	63.4	55.2	21.5	9.2	5.1	2.0	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)