

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: P635093

Luminaire Tested: GWS-SA3D-722-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

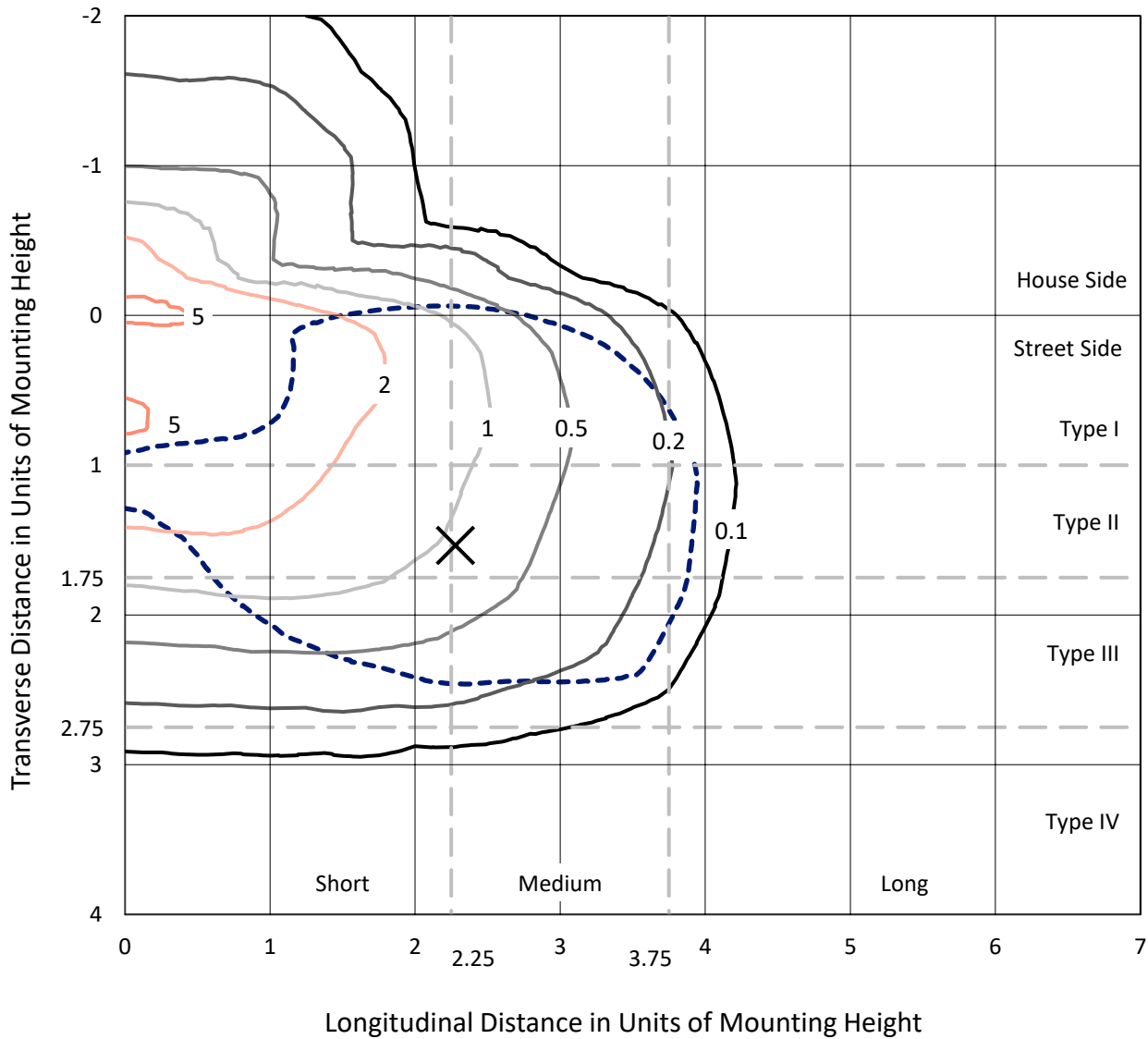
Lumens per Lamp: N/A  
Luminaire Lumens: 13177.8 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

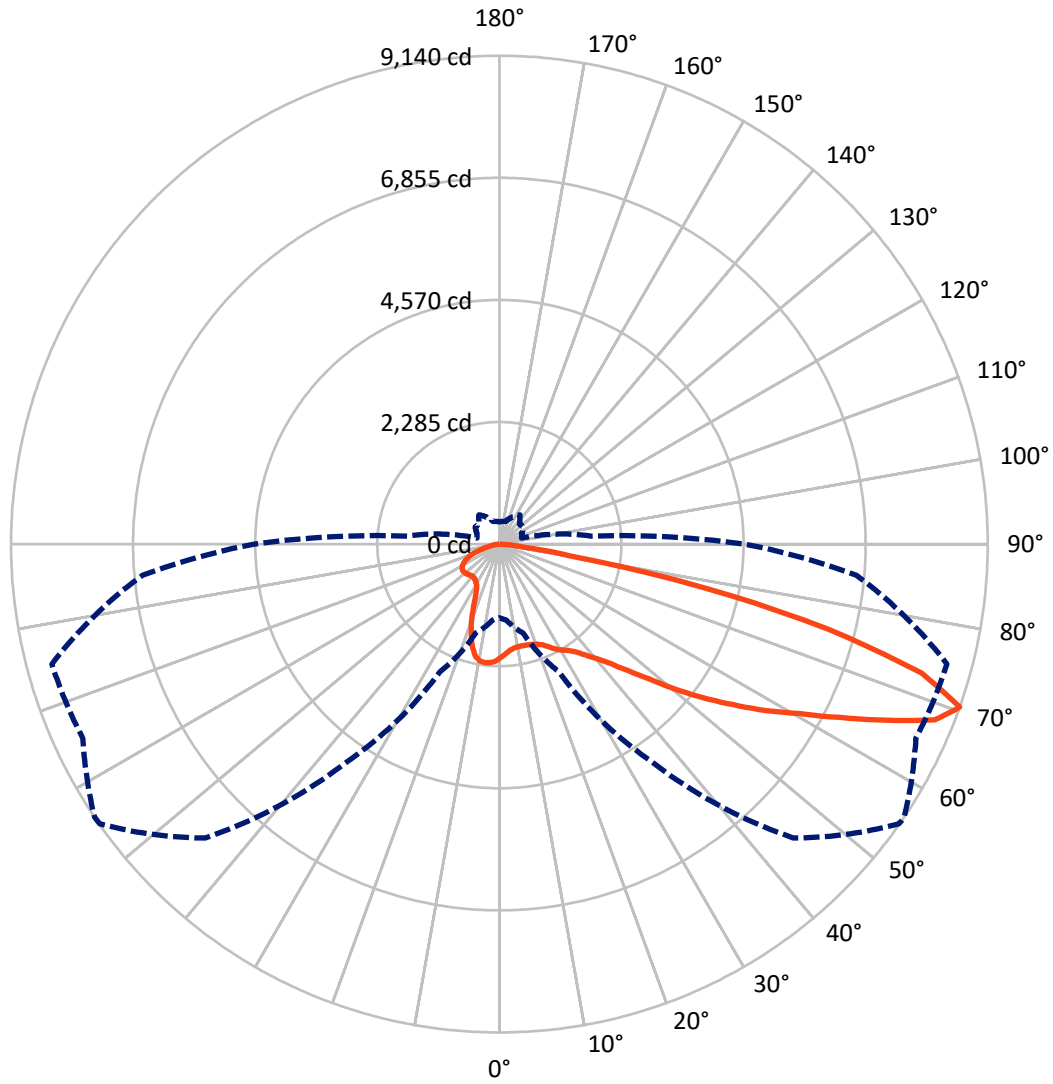
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2533.5	0.0	2533.5
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	10644.3	0.0	10644.3
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	13177.8	0.0	13177.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.8	1.5
10°-20°	533.3	4.0
20°-30°	881.8	6.7
30°-40°	1318.4	10.0
40°-50°	1961.9	14.9
50°-60°	2789.2	21.2
60°-70°	3454.5	26.2
70°-80°	1907.5	14.5
80°-90°	134.3	1.0
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°	13177.8	100.0
0°-180°	13177.8	100.0

**Coefficient of Utilization**



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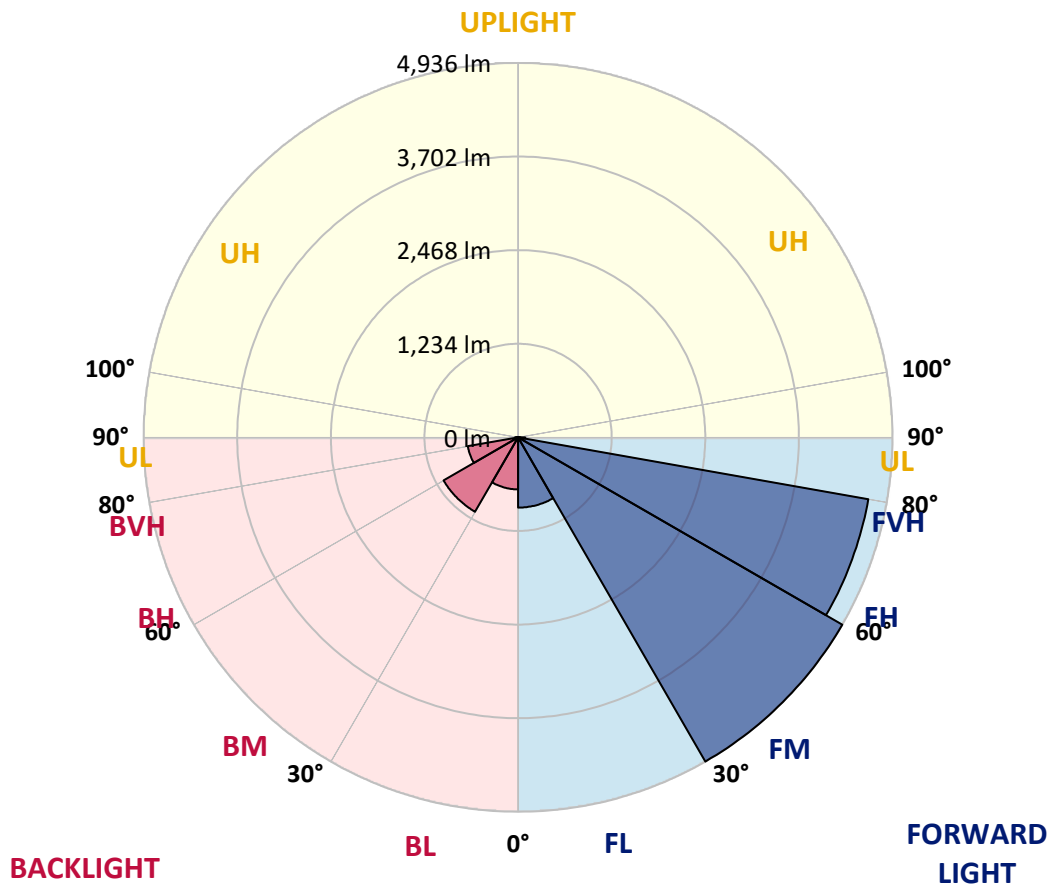
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.1	7.0			
FM (30°-60°)	4936.2	37.5			
FH (60°-80°)	4688.7	35.6			G2/5000
FVH (80°-90°)	93.4	0.7			G1/100
BL (0°-30°)	685.8	5.2	B2/1000		
BM (30°-60°)	1133.3	8.6	B2/2500		
BH (60°-80°)	673.4	5.1	B2/1000		G2/1000
BVH (80°-90°)	41.0	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1
2.5°	1990.5	1979.3	1992.4	1998.9	2015.6	2039.7	2061.1	2062.1	2073.2	2100.2	2126.2
5°	1900.4	1894.8	1898.5	1918.0	1935.7	1966.3	1998.9	2001.6	2033.2	2086.2	2138.3
7.5°	1830.7	1823.2	1837.2	1862.3	1884.6	1918.9	1961.7	1965.4	2010.0	2089.9	2169.8
10°	1730.3	1724.7	1750.7	1784.2	1832.5	1889.2	1945.9	1950.5	2009.1	2114.1	2225.6
12.5°	1686.6	1686.6	1697.8	1729.4	1782.3	1857.6	1943.1	1950.5	2024.0	2151.3	2297.2
15°	1754.5	1759.1	1749.8	1748.0	1769.3	1840.9	1946.8	1958.0	2051.8	2189.4	2367.8
17.5°	1891.1	1895.7	1871.6	1833.5	1812.1	1856.7	1960.8	1972.8	2081.6	2231.2	2444.0
20°	2082.5	2088.1	2035.1	1976.6	1903.1	1902.2	1987.7	1998.9	2119.7	2276.7	2524.8
22.5°	2306.4	2310.2	2243.3	2150.3	2037.9	1986.8	2034.2	2045.3	2168.9	2339.9	2612.2
25°	2565.7	2576.9	2496.0	2361.3	2208.9	2102.9	2111.3	2124.3	2257.2	2424.5	2715.3
27.5°	2842.6	2856.6	2763.6	2615.0	2405.0	2231.2	2210.7	2221.9	2351.1	2476.5	2770.2
30°	3126.1	3136.3	3043.4	2873.3	2615.9	2376.1	2294.4	2300.9	2391.9	2501.6	2825.9
32.5°	3441.1	3432.7	3343.5	3147.4	2859.4	2549.9	2372.4	2370.6	2437.5	2551.8	2905.8
35°	3736.6	3748.7	3653.9	3437.4	3127.0	2764.6	2489.5	2482.1	2534.1	2633.6	3018.3
37.5°	4094.4	4090.6	3977.3	3743.1	3395.6	2969.9	2654.0	2641.0	2659.6	2760.9	3175.3
40°	4349.9	4375.9	4302.5	4084.1	3709.6	3222.7	2846.4	2817.5	2822.2	2917.9	3385.3
42.5°	4559.0	4583.2	4590.6	4451.2	4069.3	3534.9	3086.1	3057.3	3060.1	3195.8	3643.7
45°	4719.8	4752.3	4857.3	4816.4	4474.4	3895.5	3410.4	3380.7	3382.5	3533.1	3955.9
47.5°	4785.7	4821.1	5033.9	5131.4	4904.7	4326.7	3813.7	3770.0	3776.6	3942.9	4312.7
50°	4764.4	4811.8	5099.8	5374.0	5265.2	4765.3	4296.0	4265.4	4240.3	4481.9	4700.2
52.5°	4580.4	4632.4	5093.3	5528.2	5559.8	5179.8	4794.1	4776.4	4770.9	5054.3	5133.3
55°	4038.6	4126.0	4869.4	5569.1	5790.3	5570.0	5334.0	5304.3	5333.1	5667.6	5571.0
57.5°	3738.5	3803.5	4430.8	5523.6	5978.9	5941.8	5873.0	5875.8	5908.3	6333.9	6101.6
60°	3567.5	3643.7	4187.3	5399.1	6160.1	6393.4	6437.1	6437.1	6495.6	7052.2	6640.6
62.5°	3340.7	3417.9	3959.6	5159.3	6327.4	6924.9	7146.1	7143.3	7166.5	7822.6	7167.5
65°	2880.7	2952.3	3502.4	4781.1	6409.2	7510.4	7951.8	7943.4	7896.9	8508.4	7515.9
67.5°	2091.8	2159.6	2682.8	4061.8	6114.6	7982.4	8781.6	8785.3	8507.5	8940.5	7534.5
70°	1379.0	1425.5	1724.7	2638.2	4972.5	7778.9	9129.2	9140.3	8601.3	8671.0	6705.6
72.5°	860.5	893.0	1077.0	1573.3	2938.4	6157.3	8237.1	8267.7	7738.0	7620.0	5509.6
75°	571.5	593.8	716.5	917.2	1359.5	3332.4	6261.4	6359.9	6201.9	5973.3	3838.8
77.5°	343.8	362.4	456.3	582.7	602.2	1301.9	3654.8	3909.4	3931.7	3118.6	1607.6
80°	157.0	178.4	251.8	332.7	320.6	453.5	1288.9	1348.8	1590.9	990.6	507.4
82.5°	92.9	102.2	167.3	165.4	136.6	220.2	463.7	475.8	404.2	362.4	216.5
85°	37.2	43.7	70.6	62.3	50.2	71.6	174.7	183.1	175.6	158.0	79.9
87.5°	0.0	0.0	0.0	0.0	0.9	1.9	15.8	16.7	24.2	43.7	24.2
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°	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1	2127.1
2.5°	2142.9	2137.3	2165.2	2186.6	2195.9	2205.2	2196.8	2194.0	2194.0	2175.4	2166.1
5°	2166.1	2168.9	2207.0	2224.7	2224.7	2217.2	2194.9	2179.1	2173.6	2149.4	2142.9
7.5°	2209.8	2221.9	2257.2	2256.3	2230.2	2189.4	2133.6	2090.9	2051.8	2035.1	2024.9
10°	2281.4	2297.2	2321.3	2282.3	2209.8	2102.0	1984.0	1891.1	1835.3	1790.7	1790.7
12.5°	2363.1	2378.0	2373.4	2283.2	2133.6	1932.0	1761.9	1655.0	1577.0	1536.1	1536.1
15°	2444.9	2457.0	2406.8	2240.5	1974.7	1706.1	1520.3	1392.0	1324.2	1286.1	1286.1
17.5°	2527.6	2526.7	2420.7	2142.0	1767.5	1456.2	1274.0	1174.6	1151.4	1144.9	1143.9
20°	2607.5	2586.2	2403.1	1977.5	1526.8	1204.3	1089.1	1095.6	1130.0	1144.9	1146.7
22.5°	2697.7	2644.7	2351.1	1767.5	1253.6	1029.6	1037.1	1091.0	1141.1	1163.4	1166.2
25°	2789.7	2694.9	2263.7	1521.2	1025.0	965.5	1023.1	1083.5	1140.2	1169.0	1171.8
27.5°	2826.8	2694.9	2115.0	1235.9	903.3	938.6	1001.8	1060.3	1119.8	1153.2	1159.7
30°	2857.5	2671.7	1906.9	978.5	853.1	912.5	967.4	1021.3	1079.8	1120.7	1128.1
32.5°	2900.3	2651.2	1655.0	822.4	829.8	887.5	925.6	971.1	1024.1	1051.0	1048.2
35°	2950.4	2619.6	1351.2	748.1	810.3	866.1	893.0	920.0	895.8	894.9	897.7
37.5°	3022.0	2591.7	1086.3	714.6	797.3	851.2	873.5	815.9	782.4	768.5	762.9
40°	3125.1	2580.6	856.8	695.1	795.5	850.3	834.5	745.3	699.7	651.4	650.5
42.5°	3255.2	2572.2	708.1	685.8	802.0	871.7	780.6	698.8	605.0	583.6	581.7
45°	3422.5	2559.2	633.8	683.9	817.8	888.4	775.0	634.7	570.6	561.3	561.3
47.5°	3624.2	2538.8	600.3	683.9	835.4	880.9	758.3	620.8	554.8	565.0	571.5
50°	3855.5	2512.7	582.7	682.1	853.1	880.9	723.0	618.0	551.1	604.0	625.4
52.5°	4102.7	2483.0	570.6	674.7	865.2	881.9	724.8	627.3	554.8	613.3	631.0
55°	4375.9	2478.4	553.8	658.9	868.9	857.7	729.5	647.7	560.3	555.7	556.6
57.5°	4720.7	2534.1	541.8	635.6	854.0	808.5	738.8	662.6	553.8	554.8	561.3
60°	5081.2	2639.1	552.0	613.3	823.3	762.0	745.3	655.1	522.2	507.4	509.2
62.5°	5387.9	2719.0	560.3	603.1	778.7	721.1	738.8	638.4	504.6	500.9	509.2
65°	5516.1	2653.1	539.9	581.7	713.7	670.9	724.8	617.0	489.7	475.8	476.7
67.5°	5374.0	2343.6	499.9	534.3	640.3	606.8	702.5	589.2	469.3	452.6	448.8
70°	4590.6	1721.9	431.2	459.1	551.1	531.5	668.1	552.9	436.8	424.7	416.3
72.5°	3699.4	1219.2	357.8	365.2	432.1	447.9	608.7	507.4	399.6	365.2	353.1
75°	2575.0	765.7	298.3	290.9	312.2	342.0	474.9	421.0	344.8	308.5	297.4
77.5°	1107.7	393.1	233.2	229.5	208.2	237.0	364.3	351.3	289.0	247.2	240.7
80°	370.8	227.7	168.2	161.7	138.5	166.3	256.5	280.6	226.7	183.1	171.9
82.5°	185.9	132.0	106.9	96.6	92.9	105.0	151.5	174.7	157.0	126.4	106.9
85°	91.1	75.3	58.5	57.6	48.3	45.5	63.2	74.3	70.6	52.0	49.3
87.5°	33.5	29.7	18.6	14.9	9.3	6.5	3.7	3.7	2.8	2.8	2.8
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)