

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: P635062

Luminaire Tested: GWS-SA3D-722-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635062  
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-SA3D-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**

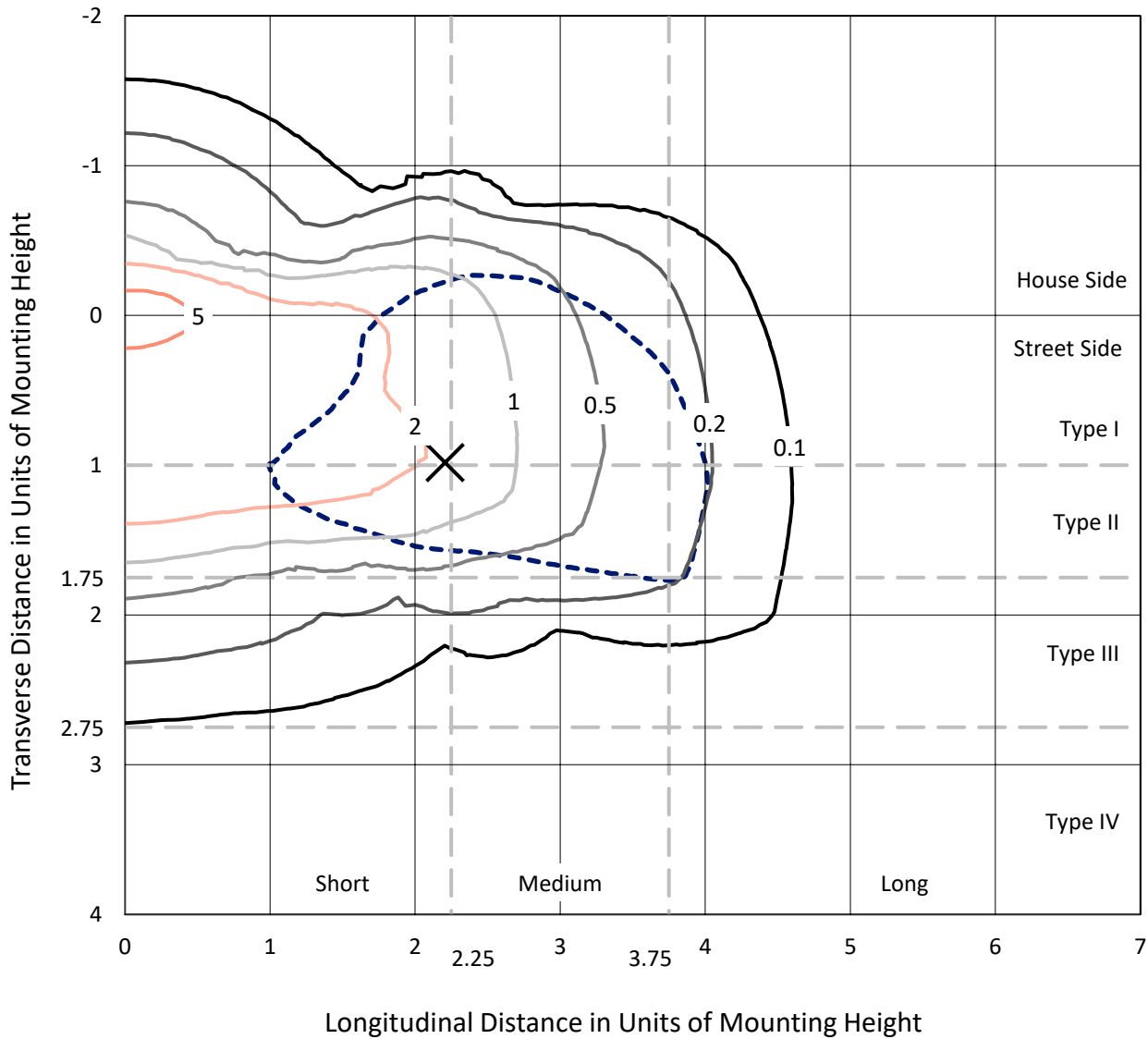
Lumens per Lamp: N/A  
Luminaire Lumens: 12738.3 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

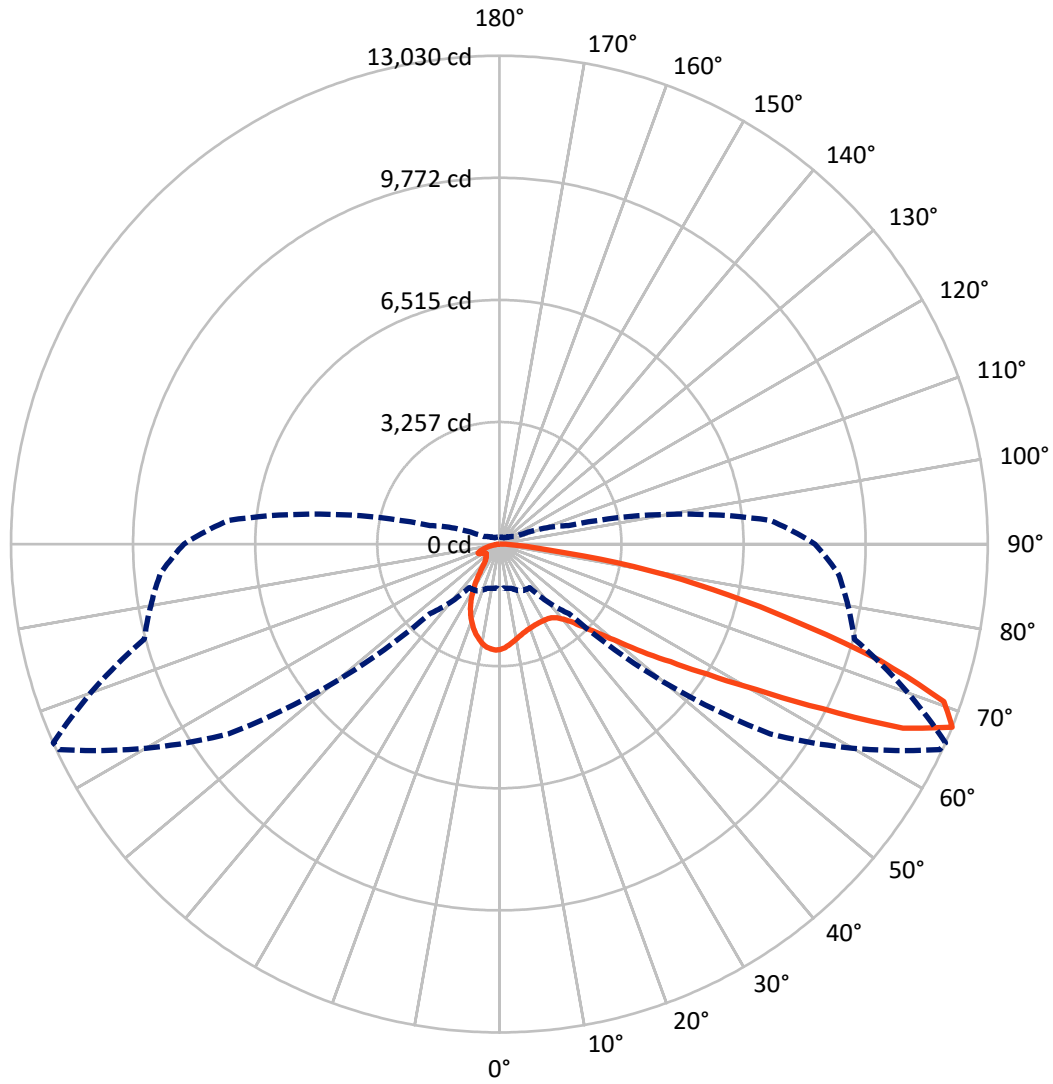
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 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	2584.9	0.0	2584.9
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	10153.4	0.0	10153.4
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	12738.3	0.0	12738.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.0	1.9
10°-20°	607.1	4.8
20°-30°	834.5	6.6
30°-40°	1140.9	9.0
40°-50°	1728.8	13.6
50°-60°	2687.4	21.1
60°-70°	3271.9	25.7
70°-80°	1993.1	15.6
80°-90°	227.7	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°	12738.3	100.0
0°-180°	12738.3	100.0

**Coefficient of Utilization**



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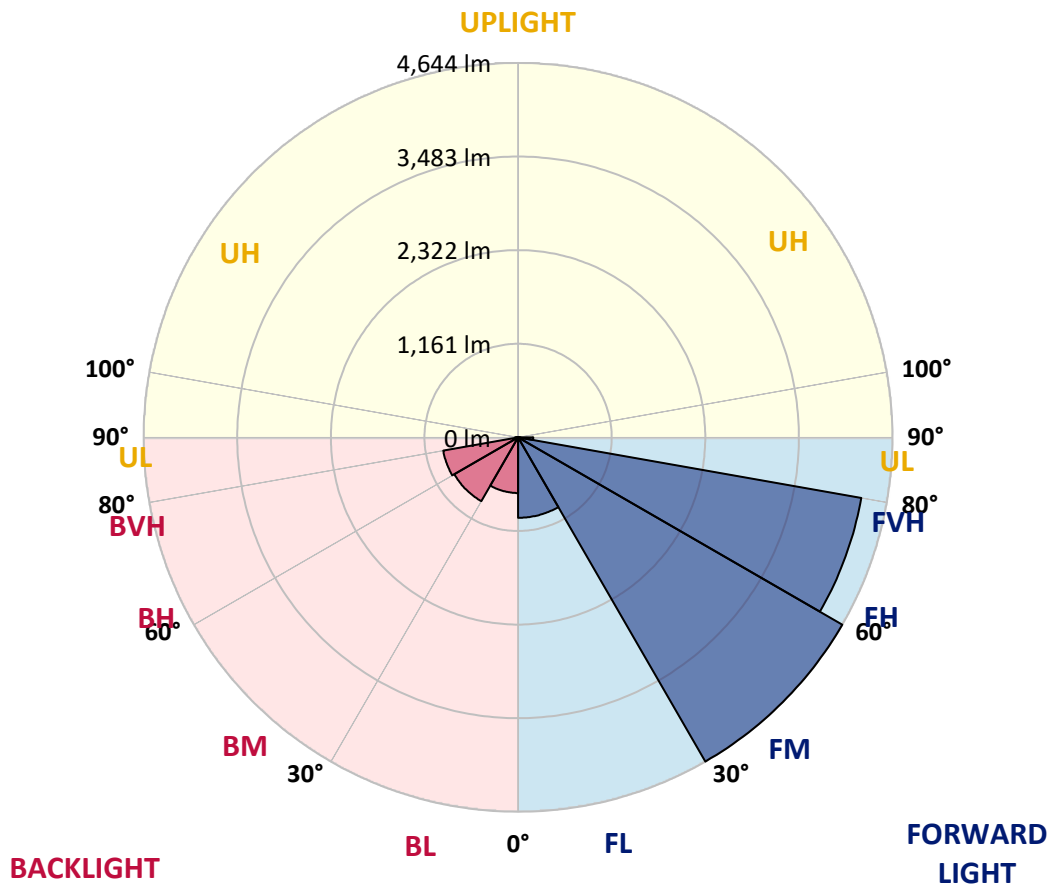
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.1	7.8			
FM (30°-60°)	4643.6	36.5			
FH (60°-80°)	4322.4	33.9			G2/5000
FVH (80°-90°)	189.3	1.5			G2/225
BL (0°-30°)	690.5	5.4	B2/1000		
BM (30°-60°)	913.5	7.2	B1/1000		
BH (60°-80°)	942.5	7.4	B2/1000		G2/1000
BVH (80°-90°)	38.4	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°	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8
2.5°	2636.4	2645.7	2640.1	2675.4	2677.3	2721.9	2747.0	2768.3	2770.2	2798.1	2816.7
5°	2456.1	2461.7	2461.7	2495.1	2517.4	2576.9	2634.5	2695.9	2700.5	2767.4	2818.5
7.5°	2310.2	2315.8	2312.1	2356.7	2385.5	2451.5	2524.9	2618.7	2628.0	2735.8	2825.0
10°	2195.9	2194.0	2203.3	2244.2	2281.4	2360.4	2442.2	2549.0	2563.0	2699.6	2832.5
12.5°	2117.8	2119.7	2125.3	2168.0	2208.0	2286.0	2370.6	2486.8	2501.6	2657.8	2828.7
15°	2080.7	2077.0	2081.6	2120.6	2158.7	2227.5	2314.8	2434.7	2449.6	2620.6	2829.7
17.5°	2072.3	2069.5	2068.6	2096.5	2125.3	2189.4	2273.0	2394.8	2410.6	2596.4	2835.2
20°	2098.3	2094.6	2084.4	2096.5	2108.5	2162.4	2243.3	2366.0	2383.6	2580.6	2846.4
22.5°	2169.9	2163.4	2147.6	2132.7	2116.9	2149.4	2224.7	2344.6	2362.2	2570.4	2857.5
25°	2278.6	2273.0	2256.3	2222.8	2165.2	2159.7	2221.0	2335.3	2352.9	2563.0	2862.2
27.5°	2428.2	2419.9	2403.1	2354.8	2260.9	2197.8	2234.9	2334.4	2351.1	2554.6	2857.5
30°	2605.7	2600.1	2590.8	2532.3	2406.8	2278.6	2266.5	2341.8	2354.8	2550.0	2848.3
32.5°	2786.0	2780.4	2787.9	2760.0	2605.7	2412.4	2335.3	2362.2	2371.5	2549.0	2839.9
35°	2944.9	2951.4	3005.3	3010.0	2858.5	2593.6	2444.0	2409.6	2411.5	2567.6	2843.6
37.5°	3111.2	3136.3	3207.0	3267.4	3141.0	2833.4	2605.7	2498.8	2497.0	2615.0	2866.8
40°	3331.5	3342.6	3432.8	3546.1	3467.2	3162.4	2835.2	2644.7	2631.7	2711.7	2929.1
42.5°	3546.1	3573.1	3717.1	3847.2	3821.2	3533.1	3124.3	2863.1	2839.9	2882.6	3057.3
45°	3819.4	3845.4	4007.1	4174.3	4221.7	3952.2	3494.1	3173.5	3150.3	3140.1	3292.5
47.5°	4092.6	4119.5	4264.5	4506.1	4672.4	4476.4	3975.5	3583.3	3545.2	3505.3	3647.4
50°	4276.6	4308.2	4446.6	4736.6	5126.9	5130.6	4546.1	4120.4	4072.1	4008.9	4147.4
52.5°	4270.1	4290.5	4422.5	4757.0	5454.0	5882.4	5309.9	4804.4	4765.4	4627.8	4748.6
55°	3934.6	3965.3	4098.1	4516.3	5489.3	6595.1	6432.5	5611.0	5541.3	5295.1	5428.0
57.5°	3260.9	3286.9	3420.7	3936.4	5176.1	6960.3	7858.0	6638.8	6543.1	6021.8	6175.1
60°	2461.7	2430.1	2493.3	2944.9	4427.1	6969.6	9116.3	8032.7	7872.9	6798.6	6926.9
62.5°	1847.4	1815.8	1829.8	1957.1	3001.6	6406.5	9833.7	9939.6	9675.7	7675.9	7650.8
65°	1459.9	1442.2	1482.2	1569.6	1749.8	4878.7	9839.3	12001.7	11835.4	8692.5	8393.3
67.5°	1189.5	1178.3	1219.2	1380.9	1419.0	2621.5	8822.6	12964.4	13029.5	9805.8	9081.9
70°	958.1	941.4	1005.5	1218.3	1319.6	1586.3	6320.1	12473.8	12578.8	10469.3	8887.7
72.5°	661.7	662.6	695.1	986.9	1274.0	1369.8	3575.0	10386.6	10614.3	9868.1	7813.4
75°	446.1	449.8	459.1	651.4	1173.7	1328.9	1905.0	7863.6	8024.4	8156.3	6458.5
77.5°	269.5	271.4	292.7	394.0	809.4	1240.6	1290.8	5700.2	5826.6	5376.8	4003.4
80°	156.1	162.6	182.1	263.9	546.4	932.1	999.0	3495.0	3638.1	2390.1	1272.2
82.5°	68.8	73.4	99.4	153.3	318.7	792.7	779.7	1380.9	1360.5	666.3	441.4
85°	12.1	14.9	21.4	48.3	117.1	418.2	605.0	609.6	573.4	252.8	183.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.8	91.1	163.6	162.6	71.6	63.2
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°	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8	2814.8
2.5°	2828.7	2803.7	2826.0	2828.7	2824.1	2820.4	2792.5	2768.3	2765.6	2739.5	2739.5
5°	2839.0	2815.7	2826.9	2805.5	2772.1	2737.7	2678.2	2637.3	2618.7	2585.3	2585.3
7.5°	2852.9	2828.7	2815.7	2762.8	2684.7	2609.4	2513.7	2433.8	2401.3	2353.9	2352.0
10°	2865.9	2835.2	2790.6	2687.5	2563.0	2443.1	2303.7	2190.3	2113.2	2056.5	2056.5
12.5°	2865.0	2825.0	2736.7	2584.3	2412.4	2238.6	2052.8	1881.8	1779.6	1691.3	1685.7
15°	2863.1	2808.3	2668.0	2464.5	2236.8	1996.1	1743.3	1520.3	1368.8	1282.4	1275.0
17.5°	2861.3	2786.9	2590.8	2327.9	2023.1	1695.0	1361.4	1119.8	993.4	940.4	942.3
20°	2861.3	2762.8	2508.1	2170.8	1776.8	1334.5	999.0	823.3	791.8	794.5	797.3
22.5°	2852.9	2733.0	2416.1	1999.8	1502.7	981.3	736.9	677.4	694.2	720.2	723.9
25°	2833.4	2683.8	2309.3	1810.2	1176.5	714.6	601.2	590.1	620.8	653.3	662.6
27.5°	2802.7	2627.1	2189.4	1588.1	866.1	574.3	528.8	527.8	552.0	576.2	584.5
30°	2770.2	2563.9	2063.0	1341.0	627.3	500.0	482.3	482.3	494.4	509.2	507.4
32.5°	2732.1	2499.8	1927.3	1083.5	511.1	458.1	452.6	449.8	451.6	457.2	457.2
35°	2699.6	2443.1	1787.9	811.3	458.1	434.9	429.3	422.8	420.0	416.3	418.2
37.5°	2687.5	2398.5	1643.9	611.5	432.1	418.2	408.9	399.6	393.1	391.2	390.3
40°	2707.0	2379.9	1499.9	503.7	413.5	400.5	390.3	378.2	372.6	372.6	372.6
42.5°	2783.2	2393.8	1353.0	455.3	400.5	385.7	370.8	359.6	357.8	359.6	360.6
45°	2922.6	2447.7	1200.6	431.2	389.4	370.8	353.1	344.8	344.8	346.6	346.6
47.5°	3171.6	2589.0	1050.1	416.3	378.2	358.7	340.1	331.8	330.8	332.7	332.7
50°	3602.8	2843.6	914.4	406.1	369.9	349.4	330.8	319.7	316.9	316.0	316.0
52.5°	4146.5	3285.0	828.0	398.7	359.6	339.2	320.6	305.7	300.2	297.4	297.4
55°	4803.5	3873.3	828.0	393.1	346.6	327.1	305.7	290.9	282.5	278.8	278.8
57.5°	5547.8	4558.1	971.1	388.4	336.4	313.2	289.9	275.1	265.8	260.2	260.2
60°	6305.2	5282.1	1325.2	381.9	327.1	295.5	272.3	258.3	246.3	239.8	238.8
62.5°	7090.4	6079.4	1791.7	385.7	320.6	278.8	253.7	237.9	227.7	221.2	220.2
65°	7809.7	6838.6	2199.6	414.5	321.5	263.9	232.3	218.4	210.0	201.7	200.7
67.5°	8420.2	7257.7	1913.4	473.0	341.0	246.3	210.9	197.0	189.6	184.0	183.1
70°	7992.8	6618.4	1085.4	509.2	368.0	227.7	186.8	177.5	170.1	166.3	165.4
72.5°	6834.9	5603.6	725.8	449.8	335.5	203.5	164.5	157.0	151.5	146.8	145.9
75°	5536.7	4443.8	554.8	368.9	261.1	165.4	141.3	135.7	130.1	125.5	124.5
77.5°	3275.7	2567.6	408.9	291.8	184.0	129.2	117.1	112.4	106.9	103.2	102.2
80°	1045.4	892.1	259.3	200.7	121.7	99.4	90.1	86.4	80.8	76.2	75.3
82.5°	398.7	344.8	137.5	102.2	80.8	67.8	60.4	56.7	53.0	48.3	47.4
85°	176.6	165.4	76.2	54.8	43.7	33.5	29.7	27.9	23.2	19.5	18.6
87.5°	62.3	62.3	32.5	15.8	9.3	4.6	2.8	0.9	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)