

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: P635077

Luminaire Tested: GWS-SA3D-722-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635077  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

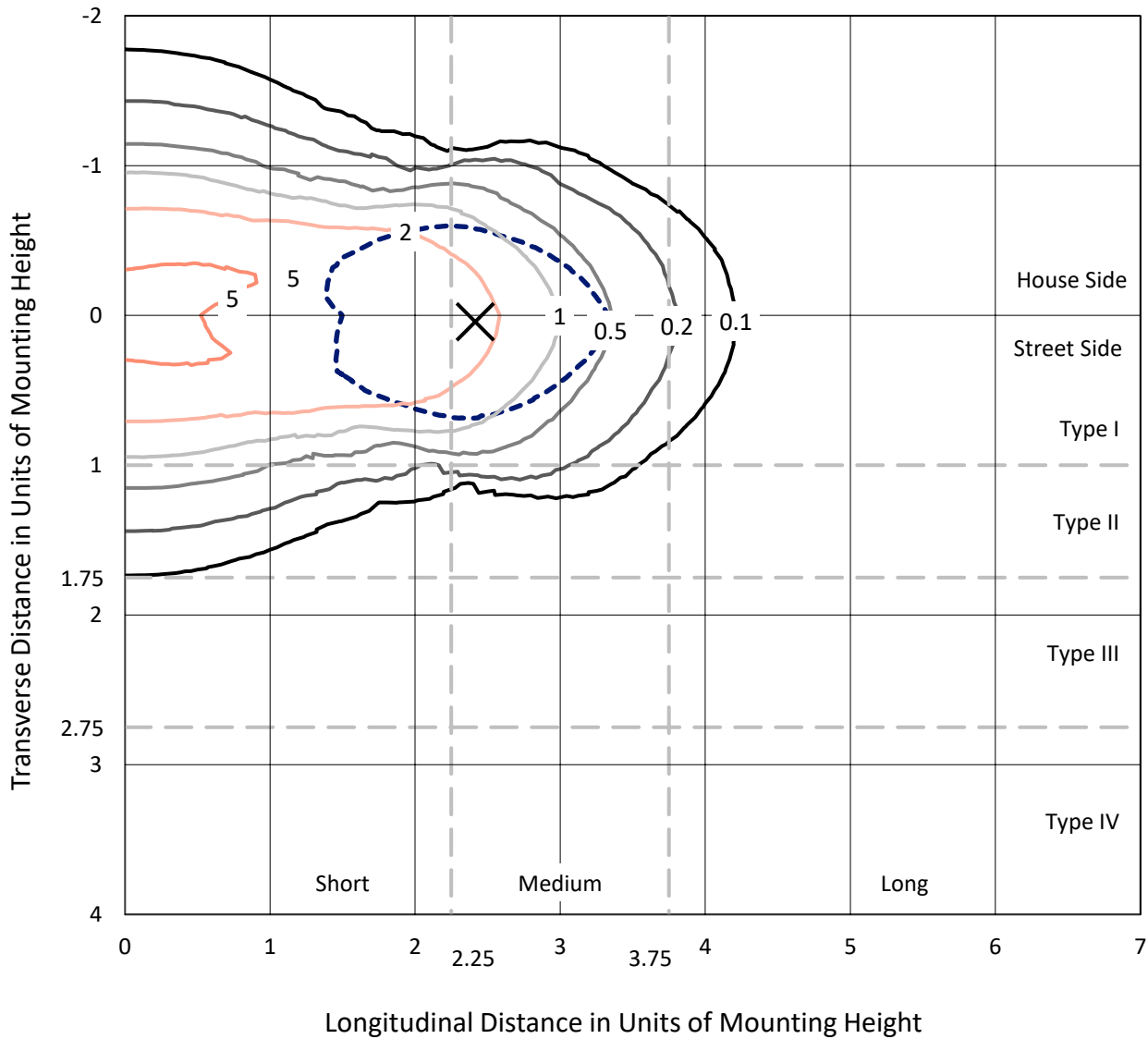
Lumens per Lamp: N/A  
Luminaire Lumens: 12939 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

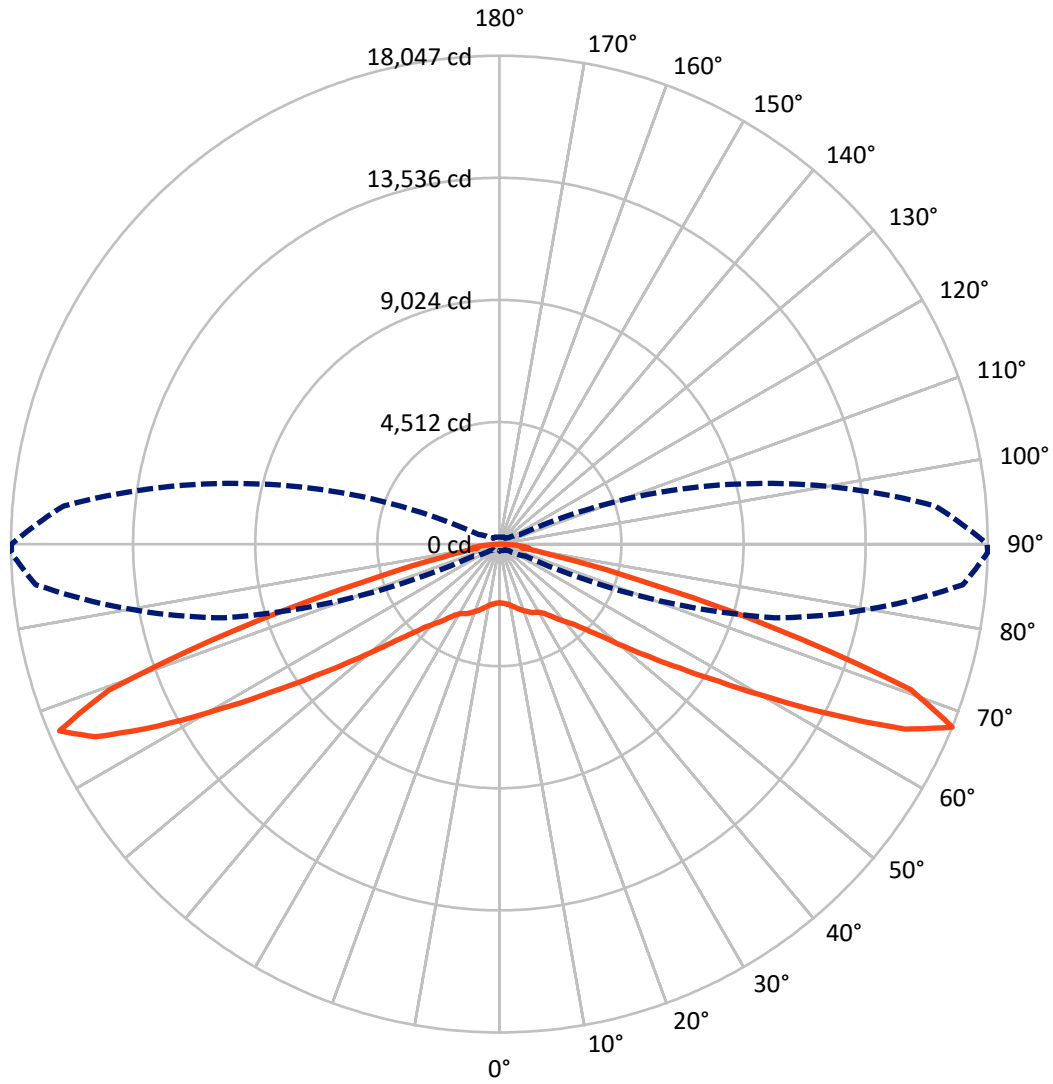
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6412.8	0.0	6412.8
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	6526.2	0.0	6526.2
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	12939.0	0.0	12939.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.8	1.7
10°-20°	709.3	5.5
20°-30°	1199.1	9.3
30°-40°	1645.6	12.7
40°-50°	2098.5	16.2
50°-60°	2632.8	20.3
60°-70°	3175.4	24.5
70°-80°	1148.8	8.9
80°-90°	111.7	0.9
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°	12939.0	100.0
0°-180°	12939.0	100.0

**Coefficient of Utilization**



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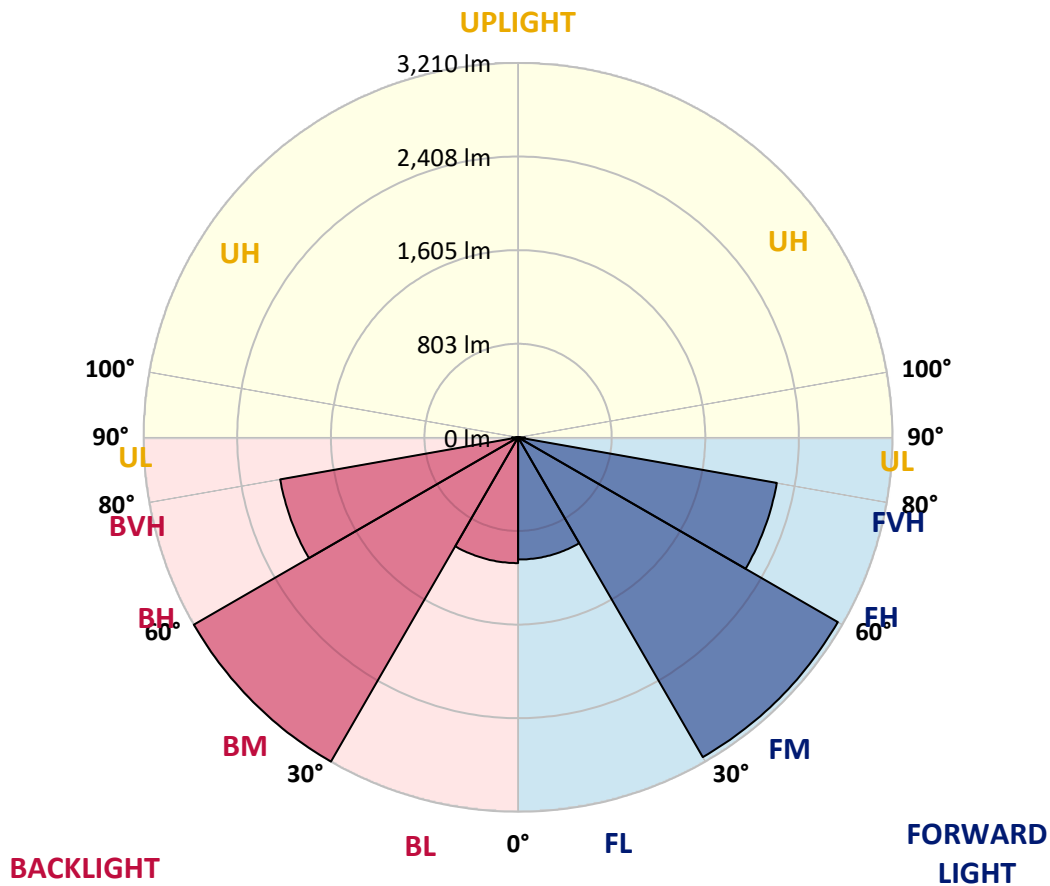
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1048.0	8.1			
FM (30°-60°)	3166.4	24.5			
FH (60°-80°)	2252.9	17.4			G2/5000
FVH (80°-90°)	58.9	0.5			G1/100
BL (0°-30°)	1078.3	8.3	B3/2500		
BM (30°-60°)	3210.4	24.8	B3/5000		
BH (60°-80°)	2071.3	16.0	B3/2500		G3/2500
BVH (80°-90°)	52.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7
2.5°	2178.2	2176.4	2171.7	2185.6	2182.9	2183.8	2189.4	2185.6	2179.1	2168.0	2183.8
5°	2239.5	2238.6	2228.4	2236.8	2227.5	2221.0	2220.0	2210.7	2203.3	2191.2	2207.9
7.5°	2299.0	2298.1	2289.7	2304.6	2297.2	2289.7	2281.4	2262.8	2245.1	2227.5	2246.0
10°	2344.6	2343.6	2341.8	2363.1	2365.0	2367.8	2364.1	2332.5	2301.8	2280.4	2299.0
12.5°	2370.6	2373.4	2378.0	2417.0	2436.5	2455.1	2459.8	2433.8	2382.7	2352.0	2374.3
15°	2352.9	2358.5	2381.7	2452.3	2506.2	2548.1	2565.7	2544.3	2478.4	2427.3	2452.3
17.5°	2268.4	2273.0	2318.5	2426.3	2545.3	2641.9	2670.7	2657.7	2584.3	2522.0	2546.2
20°	2151.3	2161.5	2210.7	2361.3	2538.8	2707.0	2784.1	2779.5	2699.5	2603.8	2632.6
22.5°	2045.3	2057.4	2109.4	2275.8	2495.1	2723.7	2898.4	2910.5	2804.5	2685.6	2708.8
25°	1926.4	1937.5	2004.4	2174.5	2419.8	2710.7	2996.0	3050.8	2923.5	2779.5	2800.8
27.5°	1804.6	1813.0	1879.0	2060.2	2321.3	2686.5	3073.1	3205.1	3040.6	2844.5	2859.4
30°	1697.8	1708.9	1769.3	1945.9	2213.5	2638.2	3136.3	3369.5	3175.3	2917.9	2930.0
32.5°	1594.6	1603.9	1669.9	1833.5	2099.2	2563.9	3193.0	3562.8	3375.1	3054.5	3054.5
35°	1464.5	1481.3	1555.6	1725.7	1991.4	2465.4	3233.9	3787.7	3648.3	3256.2	3257.1
37.5°	1344.7	1353.9	1432.0	1603.9	1878.1	2353.8	3237.6	4021.0	3994.0	3512.6	3514.5
40°	1208.1	1220.1	1303.8	1473.8	1748.0	2236.8	3202.3	4238.4	4356.4	3776.6	3766.3
42.5°	1069.6	1087.2	1167.2	1333.5	1607.6	2093.6	3108.4	4445.6	4816.4	4082.3	4057.2
45°	935.8	946.9	1026.8	1183.9	1446.9	1922.7	2957.9	4644.5	5362.8	4546.9	4510.7
47.5°	785.2	789.9	872.6	1023.1	1280.5	1732.2	2742.3	4822.0	5963.1	5162.1	5099.8
50°	651.4	657.9	723.0	852.1	1077.0	1506.3	2473.7	4926.1	6727.9	6001.2	5893.4
52.5°	526.9	533.4	585.4	688.6	890.2	1248.9	2141.0	4901.9	7503.9	7042.9	6885.9
55°	425.6	430.3	465.6	546.4	700.7	993.4	1748.0	4685.4	8365.3	8403.4	8065.1
57.5°	359.6	361.5	385.6	434.9	547.3	765.7	1349.3	4174.3	9268.6	10139.3	9583.6
60°	321.5	322.5	333.6	364.3	432.1	584.5	988.7	3360.2	10204.3	12311.0	11549.0
62.5°	297.4	297.4	306.7	324.3	358.7	449.8	726.7	2413.3	10876.2	14674.1	13916.8
65°	274.1	274.1	280.6	295.5	314.1	367.1	545.5	1556.5	11206.1	16649.8	16481.6
67.5°	244.4	245.3	250.0	265.8	282.5	306.7	413.5	1052.9	10521.2	17196.2	18047.4
70°	216.5	217.4	224.0	234.2	248.1	264.8	323.4	725.8	7658.1	14321.9	16136.8
72.5°	185.9	189.6	194.2	205.4	213.7	225.8	263.9	470.2	4455.9	9212.8	10667.1
75°	152.4	157.0	162.6	173.8	179.3	184.0	217.4	335.5	2143.8	4668.7	5316.4
77.5°	118.0	122.7	129.2	139.4	143.1	148.7	166.3	242.5	1026.8	2069.5	2231.2
80°	79.0	80.8	86.4	98.5	105.0	108.7	122.7	165.4	446.1	830.8	823.3
82.5°	48.3	49.3	51.1	58.5	61.3	65.0	79.9	101.3	212.8	944.1	1082.6
85°	17.7	16.7	15.8	20.4	24.2	27.9	37.2	51.1	92.9	648.6	725.8
87.5°	0.0	0.0	0.0	0.9	1.9	1.9	3.7	7.4	22.3	242.5	166.3
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°	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7
2.5°	2179.1	2168.9	2181.9	2191.2	2211.7	2219.1	2221.0	2214.5	2214.5	2203.3	2205.2
5°	2204.2	2197.7	2219.1	2234.9	2264.6	2275.8	2283.2	2278.6	2281.4	2273.9	2275.8
7.5°	2242.3	2236.8	2273.9	2304.6	2335.3	2348.3	2354.8	2351.1	2352.0	2342.7	2345.5
10°	2295.3	2297.2	2341.8	2381.7	2422.6	2435.6	2438.4	2427.3	2418.0	2401.2	2402.2
12.5°	2367.8	2377.1	2440.3	2484.9	2526.7	2545.3	2524.8	2483.9	2445.8	2417.0	2413.3
15°	2446.8	2463.5	2554.6	2611.3	2656.8	2647.5	2587.1	2495.1	2419.8	2377.1	2368.7
17.5°	2541.6	2566.6	2680.9	2748.8	2787.8	2728.3	2602.0	2464.4	2359.4	2301.8	2290.7
20°	2630.8	2670.7	2814.8	2903.0	2907.7	2773.9	2595.5	2402.2	2270.2	2199.6	2184.7
22.5°	2712.5	2763.7	2955.1	3067.5	3007.1	2794.3	2555.5	2313.9	2162.4	2079.7	2066.7
25°	2801.8	2874.2	3118.6	3223.6	3106.6	2786.0	2471.9	2204.2	2032.3	1947.8	1938.5
27.5°	2863.1	2954.2	3283.1	3383.5	3188.3	2738.6	2364.1	2084.4	1913.4	1833.5	1820.4
30°	2933.7	3049.9	3464.3	3557.3	3238.5	2668.9	2248.8	1972.8	1802.8	1716.4	1707.1
32.5°	3061.9	3207.8	3689.2	3741.2	3254.3	2582.4	2138.3	1865.0	1687.6	1601.1	1588.1
35°	3268.2	3439.2	4005.2	3946.6	3242.2	2487.7	2033.2	1738.7	1569.5	1488.7	1475.7
37.5°	3528.4	3741.2	4357.4	4131.5	3208.8	2383.6	1908.7	1632.7	1463.6	1381.8	1374.4
40°	3771.0	4033.0	4752.3	4291.4	3140.9	2255.3	1788.8	1522.1	1349.3	1262.9	1246.2
42.5°	4074.9	4423.3	5209.5	4429.8	3029.4	2102.0	1654.1	1385.5	1206.2	1128.1	1107.7
45°	4536.7	4969.7	5741.0	4562.7	2863.1	1913.4	1485.0	1219.2	1049.1	969.2	953.4
47.5°	5112.9	5652.8	6317.2	4641.7	2610.3	1714.5	1293.5	1043.6	873.5	783.4	775.9
50°	5922.2	6646.1	6935.2	4627.8	2327.8	1478.5	1078.0	834.5	692.3	627.3	617.0
52.5°	6908.2	7893.2	7603.3	4460.5	2027.7	1209.9	840.1	655.1	549.2	502.7	494.4
55°	8145.1	9386.6	8306.8	4101.8	1648.5	926.5	659.8	516.7	444.2	416.3	412.6
57.5°	9676.5	11320.4	8984.2	3497.8	1239.6	707.2	508.3	426.5	392.2	375.4	374.5
60°	11697.7	13373.1	9572.4	2718.1	887.5	540.8	420.0	381.0	354.1	342.9	342.0
62.5°	14100.8	15237.3	9938.6	1851.1	667.2	431.2	369.8	345.7	329.9	323.4	322.5
65°	16570.8	16415.6	9763.9	1212.7	506.5	366.1	331.7	318.7	304.8	298.3	298.3
67.5°	18029.7	16166.5	8422.9	841.9	401.4	321.5	299.2	287.1	263.9	258.3	258.3
70°	15969.5	13099.9	5520.8	616.1	325.2	281.6	260.2	243.5	234.2	228.6	227.7
72.5°	10562.1	8524.2	2935.6	427.5	271.3	239.8	220.2	213.7	202.6	197.0	196.1
75°	5256.9	4477.2	1504.5	308.5	225.8	192.4	184.0	181.2	171.9	164.5	162.6
77.5°	2191.2	1993.3	701.6	224.0	171.9	155.2	147.8	147.8	137.5	129.2	125.5
80°	826.1	736.0	331.7	153.3	127.3	115.2	110.6	106.9	98.5	88.3	82.7
82.5°	1104.9	722.0	162.6	95.7	83.6	74.3	67.8	65.0	60.4	55.8	52.0
85°	715.5	513.0	73.4	49.3	41.8	31.6	27.9	26.0	23.2	20.4	18.6
87.5°	145.9	171.9	22.3	9.3	5.6	2.8	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)