

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: P632865

Luminaire Tested: GWS-SA2D-750-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-750-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

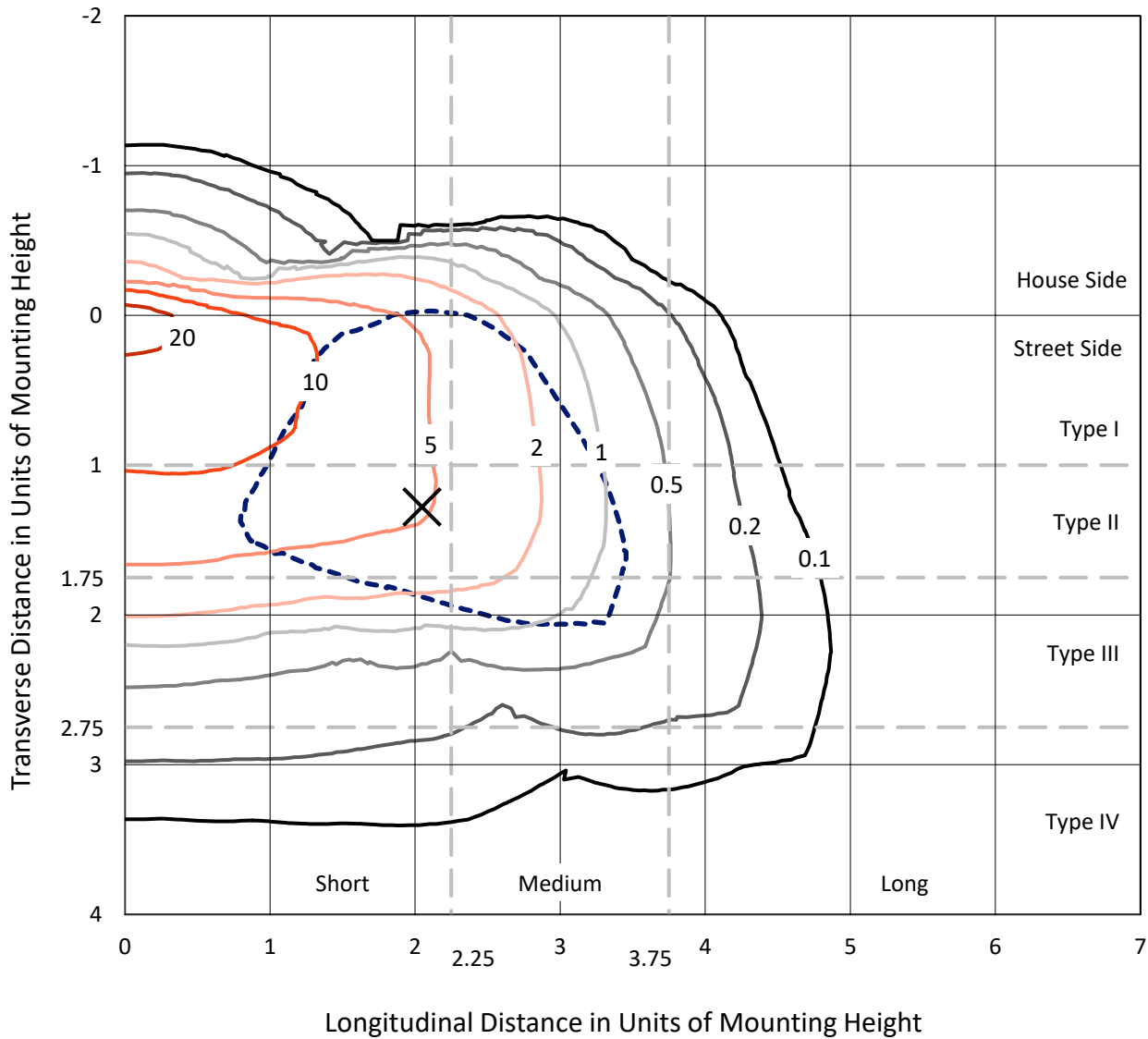
Lumens per Lamp: N/A  
Luminaire Lumens: 9673.4 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): 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

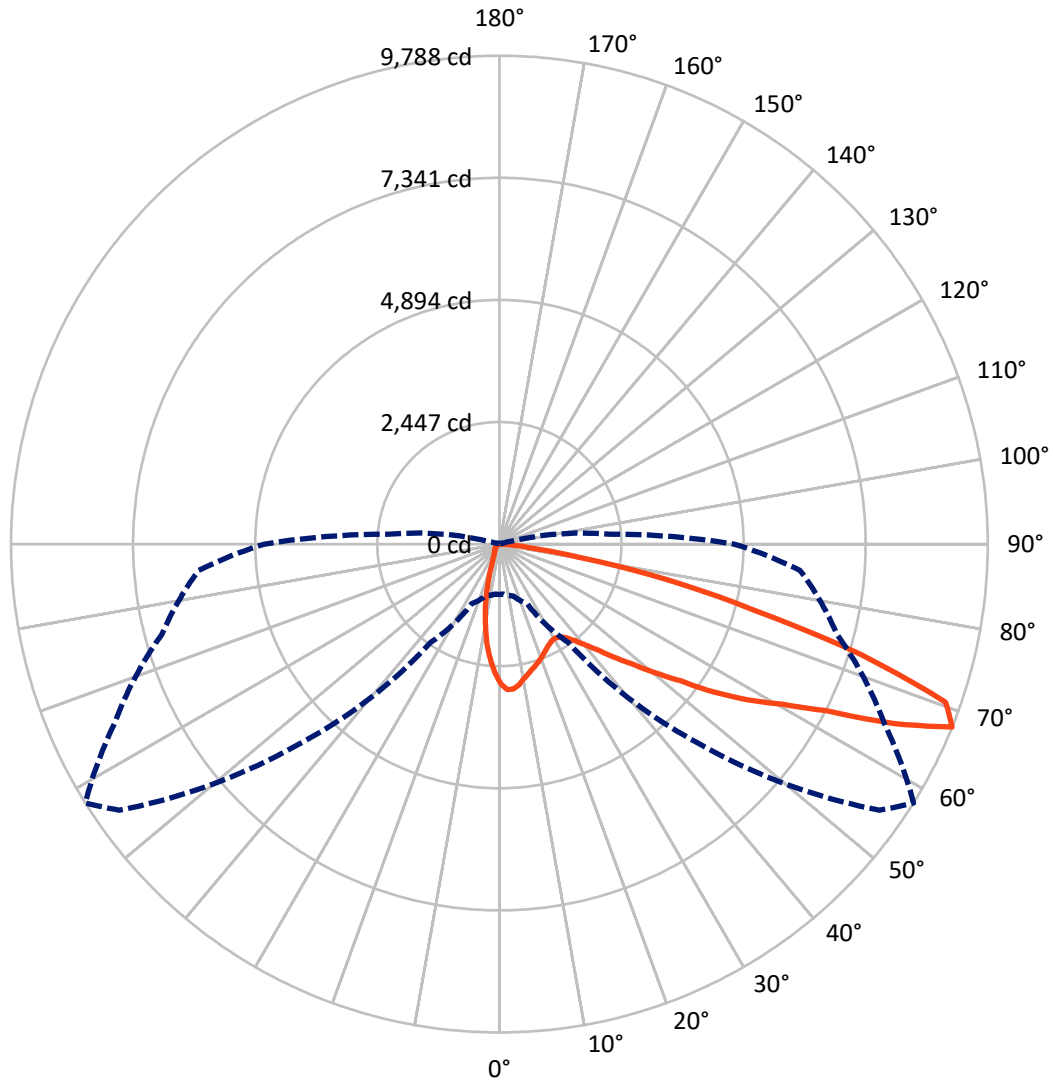
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	945.0	0.0	945.0
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	8728.4	0.0	8728.4
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	9673.4	0.0	9673.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.7	2.3
10°-20°	472.0	4.9
20°-30°	636.5	6.6
30°-40°	894.4	9.2
40°-50°	1381.3	14.3
50°-60°	2208.9	22.8
60°-70°	2615.5	27.0
70°-80°	1157.1	12.0
80°-90°	80.9	0.8
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°	9673.4	100.0
0°-180°	9673.4	100.0

**Coefficient of Utilization**



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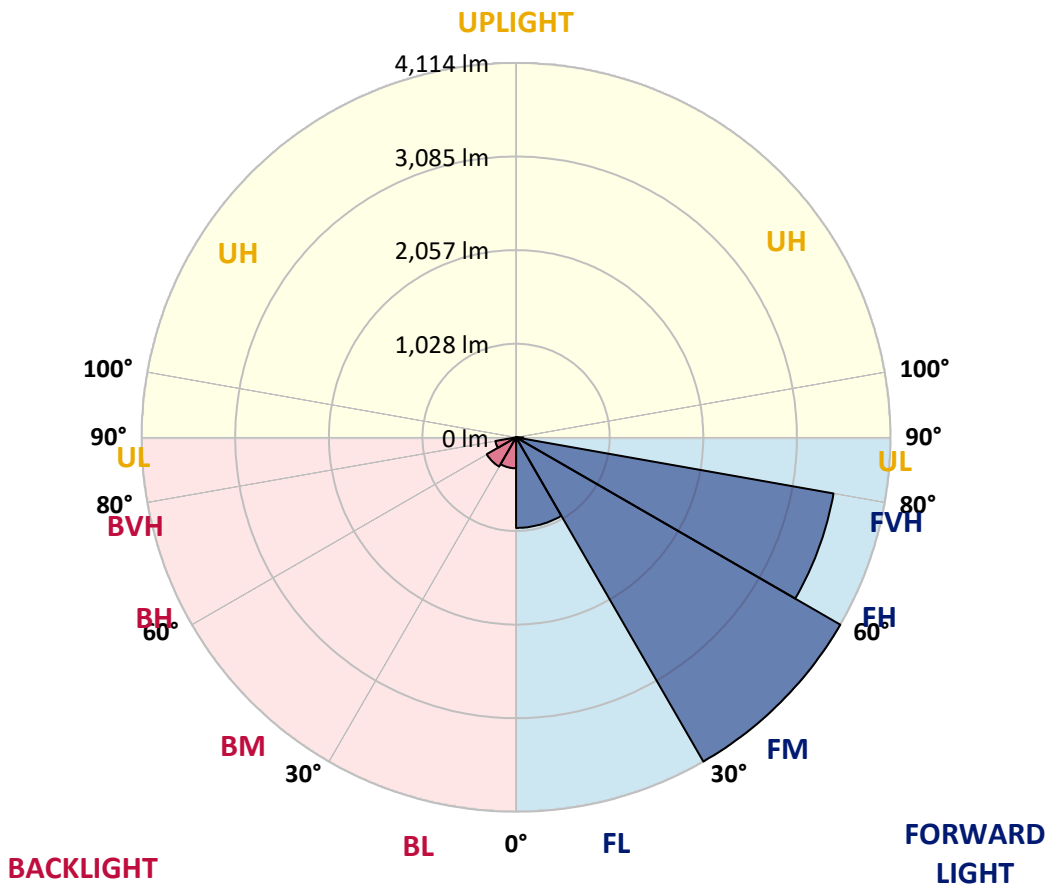
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.1	10.3			
FM (30°-60°)	4113.9	42.5			
FH (60°-80°)	3541.9	36.6			G2/5000
FVH (80°-90°)	77.4	0.8			G1/100
BL (0°-30°)	340.1	3.5	B1/500		
BM (30°-60°)	370.8	3.8	B1/1000		
BH (60°-80°)	230.7	2.4	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3
2.5°	2935.0	2940.1	2946.9	2955.5	2953.8	2946.1	2936.7	2915.3	2901.6	2858.8	2806.5
5°	2840.8	2839.9	2857.0	2873.3	2902.4	2917.8	2939.2	2919.5	2912.7	2861.3	2776.6
7.5°	2656.7	2666.1	2685.8	2711.5	2753.4	2798.8	2850.2	2844.2	2864.7	2830.5	2725.2
10°	2476.0	2470.9	2501.7	2540.3	2604.5	2662.7	2737.2	2736.3	2790.3	2786.8	2667.0
12.5°	2317.7	2316.8	2340.8	2384.4	2459.8	2541.1	2642.1	2644.7	2711.5	2738.9	2617.3
15°	2184.1	2185.8	2208.9	2254.3	2332.2	2431.5	2548.8	2570.2	2645.6	2701.2	2568.5
17.5°	2089.1	2089.9	2103.6	2143.0	2219.2	2325.4	2466.6	2495.7	2592.5	2673.0	2529.1
20°	2045.4	2042.0	2044.5	2064.2	2123.3	2220.1	2382.7	2420.4	2543.7	2653.3	2493.2
22.5°	2051.4	2046.2	2034.3	2031.7	2058.2	2131.9	2293.7	2339.9	2490.6	2641.3	2460.6
25°	2104.5	2093.3	2076.2	2050.5	2040.3	2077.1	2215.8	2263.7	2440.9	2642.1	2435.8
27.5°	2185.8	2173.8	2152.4	2118.2	2077.9	2062.5	2162.7	2208.1	2405.8	2661.8	2423.8
30°	2289.4	2280.0	2259.4	2218.3	2164.4	2101.0	2151.6	2189.2	2388.7	2702.1	2429.0
32.5°	2411.8	2405.0	2387.9	2350.2	2288.5	2191.8	2189.2	2218.3	2402.4	2760.3	2448.7
35°	2530.0	2532.6	2533.4	2512.9	2446.9	2329.6	2292.8	2303.1	2458.9	2847.6	2493.2
37.5°	2657.6	2651.6	2682.4	2696.9	2633.6	2508.6	2452.9	2453.8	2566.8	2976.9	2577.1
40°	2754.3	2756.0	2822.8	2882.7	2856.2	2735.5	2655.8	2655.0	2732.9	3154.1	2712.4
42.5°	2845.1	2856.2	2954.6	3057.4	3094.2	2987.2	2929.8	2908.4	2965.8	3393.9	2915.3
45°	2941.8	2958.1	3095.9	3242.3	3339.1	3275.7	3230.3	3238.9	3245.7	3673.0	3188.4
47.5°	3054.8	3065.1	3235.5	3441.8	3622.5	3606.2	3608.8	3598.5	3595.1	4024.9	3549.7
50°	3191.8	3215.8	3411.8	3658.4	3905.0	4012.9	4048.8	4053.1	3997.5	4408.4	3923.8
52.5°	3482.9	3512.0	3679.8	3895.6	4213.2	4440.1	4586.5	4557.4	4471.8	4780.0	4333.9
55°	3826.2	3848.5	4010.3	4233.8	4589.9	4908.4	5256.0	5244.0	5034.3	5171.3	4671.3
57.5°	3858.8	3883.6	4134.5	4476.9	5073.7	5487.2	5852.8	5891.3	5583.9	5448.7	4972.6
60°	3493.2	3543.7	3886.2	4346.8	5258.6	6265.5	6506.9	6514.6	5987.2	5730.4	5340.8
62.5°	2799.7	2823.7	3168.7	3769.7	4973.5	6719.2	7506.1	7343.4	6505.2	6166.1	5923.8
65°	1467.5	1565.1	1865.6	2530.8	4033.4	6560.8	8708.1	8663.6	7436.7	6790.3	6377.6
67.5°	1006.9	1006.0	1077.1	1319.4	2405.0	5649.0	9298.0	9787.8	8513.8	7004.3	6048.9
70°	766.3	768.8	832.2	989.7	1245.7	3760.3	8650.8	9488.1	8714.1	6359.6	4892.2
72.5°	508.6	513.7	619.0	799.7	994.9	1843.3	6722.7	7591.7	7332.3	5107.9	3443.5
75°	303.9	308.2	383.6	581.3	884.4	1031.7	4271.4	5248.3	5047.1	3520.6	1845.9
77.5°	125.0	128.4	196.9	362.2	647.3	801.4	2362.2	3434.1	3023.1	1399.8	504.3
80°	52.2	53.9	95.0	253.4	466.6	502.6	1094.2	1613.9	1238.9	301.4	154.1
82.5°	18.8	19.7	35.1	139.6	290.2	378.4	552.2	637.8	349.3	98.5	83.0
85°	0.9	0.9	8.6	47.1	110.4	107.0	315.9	305.7	115.6	41.1	49.7
87.5°	0.0	0.0	0.9	0.9	1.7	4.3	30.0	53.1	24.8	10.3	21.4
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°	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3
2.5°	2772.3	2726.9	2677.2	2631.0	2557.4	2513.7	2459.8	2435.8	2401.6	2393.0	2398.1
5°	2715.8	2637.9	2518.9	2411.0	2271.4	2159.3	2046.2	1998.3	1936.7	1895.6	1878.4
7.5°	2636.2	2534.3	2348.5	2152.4	1960.6	1756.0	1600.2	1497.4	1404.1	1352.8	1342.5
10°	2555.7	2423.0	2156.7	1875.9	1578.8	1333.9	1123.3	967.5	840.8	783.4	738.9
12.5°	2472.6	2307.4	1961.5	1595.0	1250.0	916.1	655.8	504.3	413.5	377.6	383.6
15°	2396.4	2196.1	1768.0	1314.2	880.1	553.1	362.2	305.7	284.2	277.4	276.5
17.5°	2323.6	2090.8	1575.4	1041.1	580.5	339.0	277.4	263.7	257.7	254.3	254.3
20°	2257.7	1989.7	1387.0	784.3	375.0	268.8	250.9	244.0	238.9	236.3	236.3
22.5°	2196.1	1892.1	1202.9	554.8	276.5	241.4	230.3	223.5	217.5	214.0	214.0
25°	2140.4	1804.0	1027.4	381.9	238.0	220.9	208.9	201.2	190.9	184.9	184.9
27.5°	2100.2	1725.2	858.7	278.3	214.9	198.6	184.9	174.7	163.5	156.7	155.0
30°	2076.2	1658.4	688.4	228.6	193.5	177.2	161.8	149.0	136.1	129.3	128.4
32.5°	2062.5	1596.8	532.5	199.5	175.5	156.7	139.6	125.9	113.0	105.3	104.5
35°	2067.7	1548.8	399.0	179.8	158.4	138.7	119.9	106.2	95.0	88.2	86.5
37.5°	2112.2	1527.4	299.7	164.4	143.8	123.3	103.6	90.8	80.5	75.3	74.5
40°	2198.6	1531.7	235.4	152.4	131.9	107.9	89.0	77.1	69.3	65.1	64.2
42.5°	2333.1	1567.6	194.4	142.1	119.0	94.2	77.1	67.6	59.9	55.7	54.8
45°	2533.4	1642.1	169.5	130.1	105.3	81.3	66.8	58.2	51.4	46.2	45.4
47.5°	2823.7	1771.4	153.3	119.0	93.3	70.2	57.4	48.8	42.8	38.5	37.7
50°	3132.7	1926.4	139.6	107.9	83.0	60.8	48.8	40.2	35.1	30.8	30.0
52.5°	3462.4	2093.3	129.3	97.6	73.6	52.2	41.1	33.4	28.3	24.0	23.1
55°	3779.1	2261.1	117.3	90.8	62.5	44.5	34.2	27.4	22.3	18.8	18.8
57.5°	4087.4	2415.3	104.5	79.6	51.4	37.7	28.3	22.3	18.0	15.4	14.6
60°	4455.5	2628.4	89.9	67.6	42.8	31.7	23.1	18.0	14.6	12.0	12.0
62.5°	5002.6	2850.2	77.1	56.5	36.0	26.5	18.8	14.6	12.0	10.3	9.4
65°	5181.5	2730.3	65.1	46.2	29.1	21.4	15.4	12.8	10.3	9.4	8.6
67.5°	4703.8	2238.0	53.9	37.7	24.0	18.0	13.7	11.1	9.4	8.6	7.7
70°	3670.4	1588.2	42.0	28.3	19.7	14.6	12.0	10.3	8.6	7.7	7.7
72.5°	2496.6	939.2	33.4	21.4	16.3	12.8	10.3	9.4	8.6	7.7	6.8
75°	1229.5	333.9	25.7	16.3	12.8	11.1	9.4	8.6	7.7	6.8	6.8
77.5°	331.3	92.5	19.7	12.8	10.3	8.6	8.6	8.6	7.7	6.0	6.0
80°	112.2	38.5	14.6	9.4	8.6	6.8	6.0	7.7	6.8	6.0	5.1
82.5°	61.6	18.8	10.3	7.7	6.0	5.1	5.1	5.1	5.1	4.3	4.3
85°	39.4	10.3	6.8	6.0	6.0	4.3	3.4	3.4	2.6	2.6	2.6
87.5°	18.0	6.0	6.0	5.1	5.1	4.3	2.6	1.7	0.9	0.9	0.9
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)