

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: P635367

Luminaire Tested: GWS-SA3D-750-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

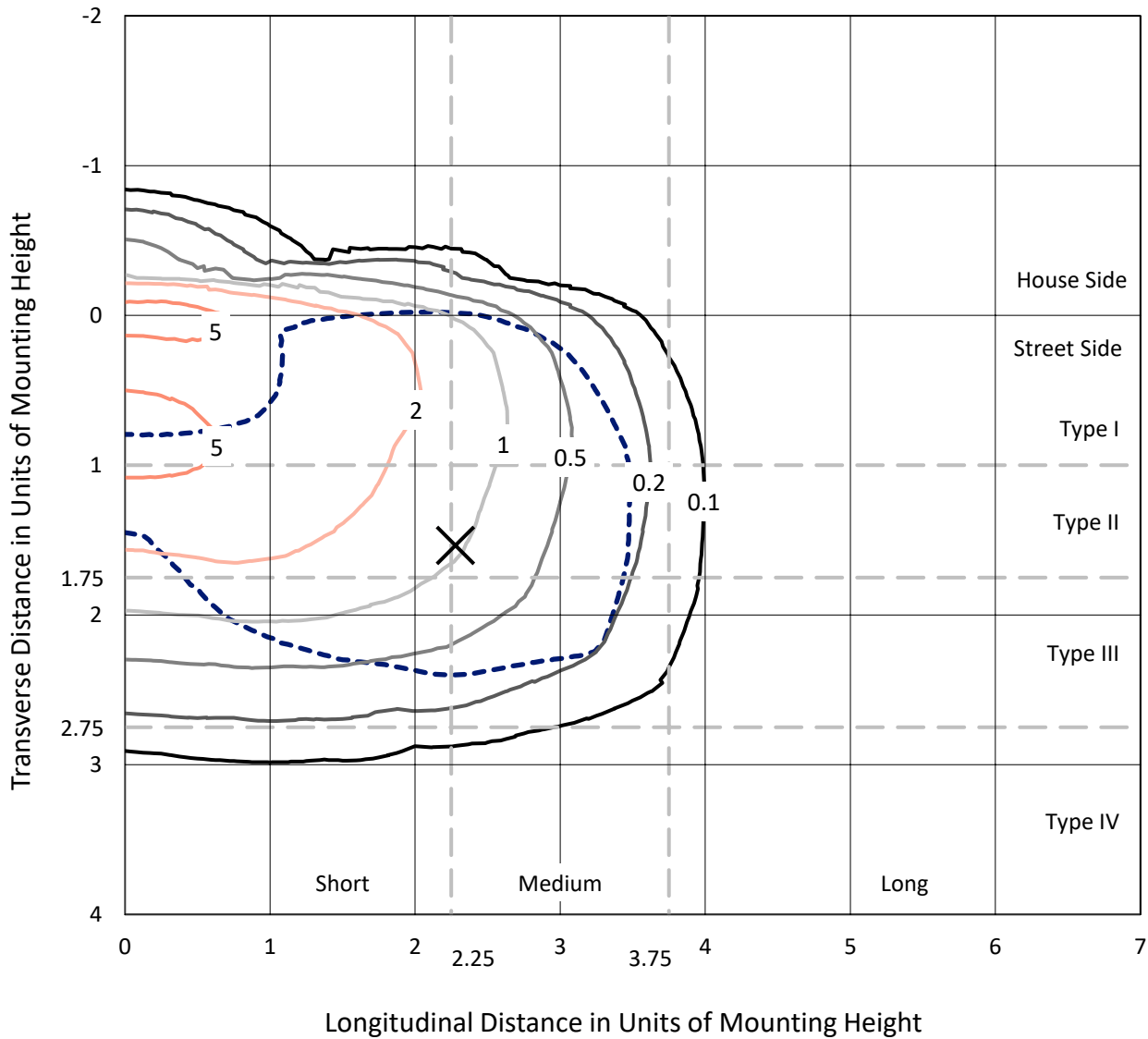
Lumens per Lamp: N/A  
Luminaire Lumens: 14091.9 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P635367  
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### Iso-Footcandle Lines of Horizontal Illumination

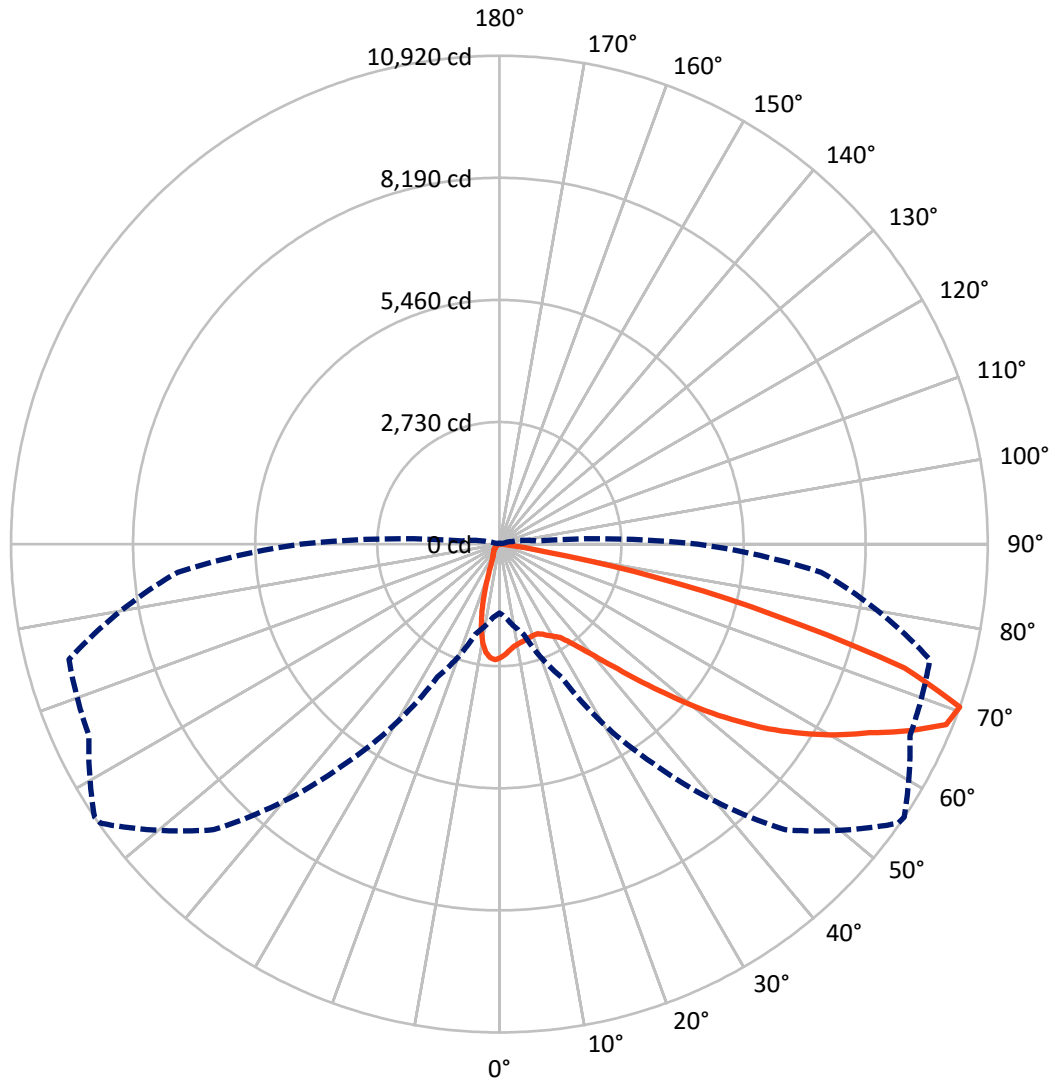
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P635367  
CATALOG NUMBER: GWS-SA3D-750-U-T3R-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P635367  
 CATALOG NUMBER: GWS-SA3D-750-U-T3R-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1265.7	0.0	1265.7
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	12826.2	0.0	12826.2
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	14091.9	0.0	14091.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.2	1.5
10°-20°	490.7	3.5
20°-30°	777.2	5.5
30°-40°	1340.3	9.5
40°-50°	2263.3	16.1
50°-60°	3325.5	23.6
60°-70°	3942.6	28.0
70°-80°	1681.3	11.9
80°-90°	52.8	0.4
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°	14091.9	100.0
0°-180°	14091.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635367

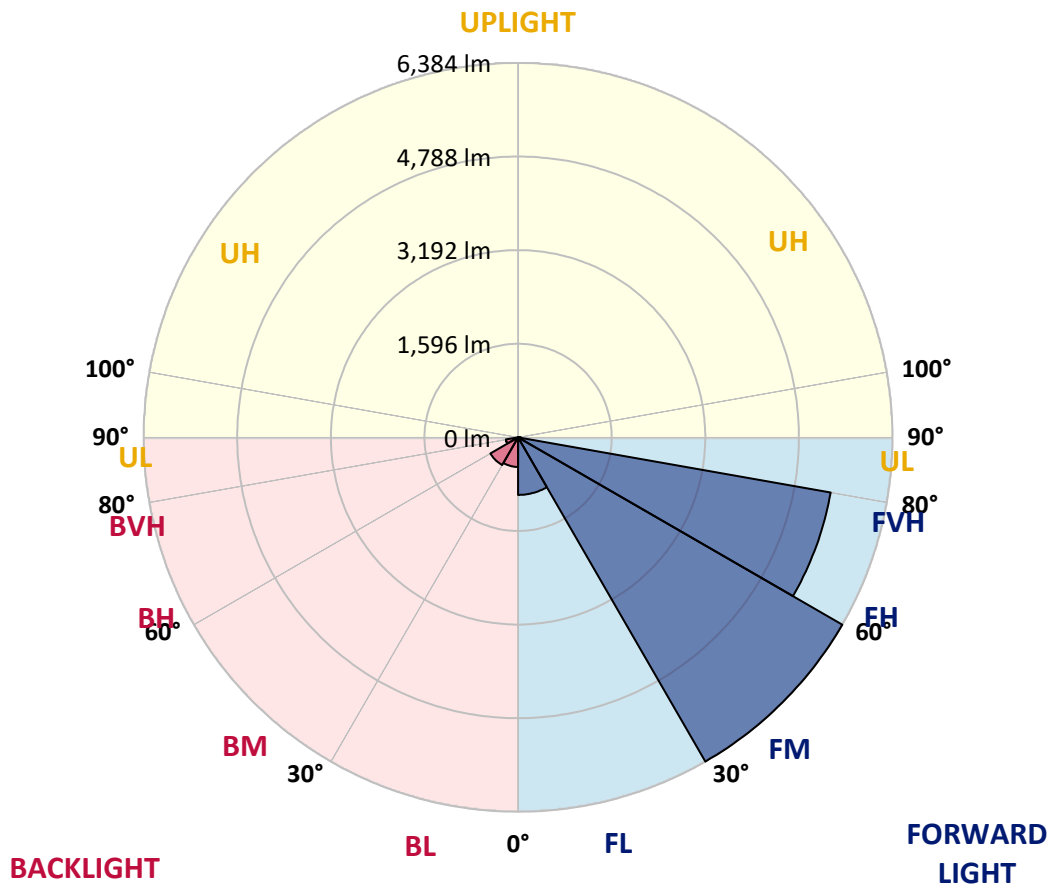
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	981.9	7.0			
FM (30°-60°)	6384.0	45.3			
FH (60°-80°)	5412.8	38.4			G3/7500
FVH (80°-90°)	47.4	0.3			G1/100
BL (0°-30°)	504.1	3.6	B2/1000		
BM (30°-60°)	545.2	3.9	B1/1000		
BH (60°-80°)	211.1	1.5	B1/500		G1/500
BVH (80°-90°)	5.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





REPORT NUMBER: P635367

CATALOG NUMBER: GWS-SA3D-750-U-T3R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9
2.5°	2365.4	2361.5	2364.1	2383.5	2419.6	2436.4	2464.8	2469.9	2493.2	2522.8	2534.5
5°	2211.8	2198.9	2205.4	2232.5	2273.8	2320.2	2373.2	2387.3	2445.4	2511.2	2560.3
7.5°	2071.2	2057.0	2072.5	2115.1	2173.1	2223.5	2302.2	2311.2	2404.1	2520.3	2609.3
10°	1850.5	1854.4	1885.4	1960.2	2049.2	2153.8	2259.6	2272.5	2387.3	2549.9	2688.0
12.5°	1681.5	1672.4	1706.0	1791.2	1916.3	2068.6	2227.3	2244.1	2388.6	2595.1	2788.7
15°	1602.7	1600.2	1614.4	1676.3	1797.6	1977.0	2197.6	2219.6	2405.4	2636.4	2884.2
17.5°	1605.3	1601.5	1600.2	1636.3	1726.6	1908.6	2165.4	2193.8	2419.6	2681.6	2984.8
20°	1717.6	1699.5	1667.3	1650.5	1704.7	1864.7	2143.5	2175.7	2440.3	2729.3	3091.9
22.5°	1952.5	1958.9	1872.5	1782.1	1756.3	1869.9	2140.9	2178.3	2485.4	2804.2	3223.6
25°	2422.2	2411.9	2251.8	2049.2	1908.6	1929.2	2186.0	2231.2	2574.5	2911.3	3347.4
27.5°	3010.6	3019.7	2800.3	2477.7	2183.5	2051.8	2268.6	2313.8	2677.7	2978.4	3430.0
30°	3652.0	3643.0	3408.1	3050.6	2573.2	2255.7	2351.2	2391.2	2729.3	3014.5	3515.2
32.5°	4258.5	4237.9	4005.6	3631.3	3070.0	2577.0	2464.8	2488.0	2797.7	3093.2	3630.1
35°	4776.0	4774.7	4572.1	4173.3	3581.0	2979.7	2659.6	2679.0	2925.5	3218.4	3799.1
37.5°	5310.2	5292.2	5065.0	4701.1	4106.2	3421.0	2957.7	2950.0	3126.8	3402.9	4006.9
40°	5749.0	5737.4	5563.2	5213.4	4652.1	3908.8	3319.1	3295.8	3365.5	3658.4	4295.9
42.5°	6074.2	6075.5	6021.3	5808.4	5230.2	4472.7	3773.3	3737.2	3735.9	4044.3	4677.9
45°	6320.7	6337.4	6418.7	6386.5	5912.9	5129.6	4355.3	4317.9	4254.6	4545.0	5115.4
47.5°	6435.5	6457.5	6702.6	6831.7	6510.4	5781.3	5048.3	4969.6	4845.7	5210.9	5604.5
50°	6423.9	6462.6	6804.6	7196.9	7052.4	6442.0	5803.2	5765.8	5563.2	5915.5	6088.4
52.5°	6160.6	6243.2	6811.0	7418.8	7469.2	7051.1	6583.9	6514.2	6416.2	6651.0	6542.6
55°	5445.7	5546.4	6538.7	7489.8	7794.4	7582.7	7347.9	7291.1	7128.5	7345.3	6938.8
57.5°	5057.3	5143.8	5965.8	7455.0	8070.5	8074.4	8027.9	7981.5	7847.3	8031.8	7403.4
60°	4823.7	4910.2	5659.9	7327.2	8320.9	8593.2	8666.7	8661.6	8468.0	8812.5	7947.9
62.5°	4481.8	4600.5	5341.2	6995.6	8499.0	9104.2	9326.1	9291.3	9075.8	9625.5	8487.3
65°	3791.4	3894.6	4688.2	6448.4	8394.4	9527.4	10041.1	10059.1	9810.1	10390.8	8913.2
67.5°	2658.3	2734.5	3522.9	5299.9	7684.7	9666.8	10772.7	10771.5	10346.9	10783.1	8724.8
70°	1540.8	1645.3	2081.5	3276.5	5978.7	9033.2	10882.4	10919.9	10128.8	9963.6	7220.1
72.5°	596.2	682.7	1179.5	1740.8	3117.7	6919.4	9361.0	9470.7	8477.0	7686.0	5025.0
75°	178.1	198.7	554.9	926.5	1251.7	3342.3	6337.4	6368.4	5814.8	4794.1	2575.8
77.5°	132.9	147.1	242.6	468.4	438.8	1013.0	3279.1	3581.0	3086.8	1712.4	709.8
80°	90.3	107.1	172.9	228.4	162.6	269.7	921.4	1011.7	942.0	384.6	178.1
82.5°	40.0	51.6	122.6	114.9	59.4	77.4	283.9	302.0	194.9	116.1	61.9
85°	3.9	5.2	46.5	50.3	21.9	18.1	59.4	59.4	42.6	40.0	25.8
87.5°	0.0	0.0	1.3	2.6	2.6	3.9	5.2	6.5	7.7	10.3	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635367

CATALOG NUMBER: GWS-SA3D-750-U-T3R-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9
2.5°	2564.1	2548.7	2568.0	2583.5	2587.4	2559.0	2542.2	2517.7	2512.5	2513.8	2507.4
5°	2599.0	2591.2	2605.4	2588.7	2544.8	2462.2	2391.2	2312.5	2269.9	2245.4	2242.8
7.5°	2663.5	2659.6	2644.1	2568.0	2431.2	2248.0	2071.2	1898.3	1791.2	1752.4	1746.0
10°	2759.0	2751.3	2688.0	2507.4	2215.7	1863.4	1566.6	1318.8	1167.9	1124.0	1069.8
12.5°	2868.7	2853.2	2715.1	2377.0	1890.5	1402.7	1032.4	754.9	624.6	585.9	585.9
15°	2974.5	2941.0	2699.6	2161.5	1490.5	912.4	576.8	436.2	396.2	385.8	385.8
17.5°	3082.9	3018.4	2639.0	1867.3	1029.8	539.4	384.6	357.5	352.3	353.6	354.9
20°	3184.8	3084.2	2531.9	1513.7	656.8	376.8	344.6	338.1	335.5	338.1	336.8
22.5°	3295.8	3144.8	2369.3	1127.9	427.1	339.4	327.8	322.6	320.0	323.9	323.9
25°	3405.5	3188.7	2153.8	758.8	339.4	316.2	309.7	304.5	302.0	303.3	303.3
27.5°	3462.3	3171.9	1871.2	483.9	304.5	292.9	286.5	280.0	276.2	274.9	276.2
30°	3501.0	3120.3	1525.3	344.6	276.2	262.0	255.5	250.3	240.0	233.6	236.2
32.5°	3561.7	3068.7	1149.8	289.1	252.9	231.0	220.7	207.8	193.6	187.1	187.1
35°	3633.9	2997.7	806.5	260.7	228.4	205.2	185.8	163.9	147.1	142.0	142.0
37.5°	3729.4	2930.6	536.8	241.3	207.8	183.2	156.1	130.3	112.3	109.7	108.4
40°	3872.7	2873.8	378.1	227.1	189.7	160.0	127.8	100.7	87.8	83.9	83.9
42.5°	4058.5	2815.8	299.4	212.9	174.2	138.1	101.9	80.0	69.7	67.1	65.8
45°	4288.2	2747.4	260.7	200.0	158.7	114.9	81.3	67.1	59.4	56.8	56.8
47.5°	4537.2	2654.5	242.6	183.2	140.7	92.9	68.4	58.1	54.2	52.9	51.6
50°	4782.4	2529.3	227.1	167.8	120.0	76.1	59.4	52.9	50.3	49.0	49.0
52.5°	4996.7	2383.5	207.8	149.7	98.1	65.8	52.9	49.0	46.5	43.9	42.6
55°	5179.9	2224.7	183.2	129.0	80.0	58.1	49.0	45.2	42.6	40.0	38.7
57.5°	5416.1	2134.4	147.1	104.5	65.8	51.6	45.2	41.3	38.7	34.8	34.8
60°	5678.0	2068.6	109.7	82.6	56.8	47.7	41.3	37.4	34.8	31.0	31.0
62.5°	5888.4	1970.5	86.5	67.1	49.0	42.6	37.4	33.6	31.0	27.1	27.1
65°	5968.4	1767.9	71.0	52.9	40.0	37.4	33.6	31.0	27.1	23.2	23.2
67.5°	5607.0	1362.7	59.4	42.6	33.6	32.3	29.7	28.4	23.2	20.6	19.4
70°	4440.5	831.1	49.0	34.8	28.4	27.1	27.1	24.5	20.6	19.4	18.1
72.5°	3042.9	428.4	40.0	28.4	24.5	24.5	23.2	21.9	19.4	18.1	18.1
75°	1580.8	143.2	31.0	21.9	19.4	20.6	20.6	19.4	18.1	18.1	16.8
77.5°	453.0	64.5	23.2	16.8	15.5	15.5	16.8	16.8	16.8	15.5	15.5
80°	117.4	37.4	16.8	12.9	12.9	12.9	12.9	14.2	15.5	14.2	14.2
82.5°	47.7	20.6	11.6	10.3	10.3	10.3	10.3	11.6	12.9	12.9	12.9
85°	29.7	10.3	9.0	9.0	9.0	7.7	7.7	9.0	9.0	10.3	10.3
87.5°	18.1	7.7	7.7	7.7	7.7	6.5	6.5	6.5	6.5	6.5	6.5
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)