

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: P630606

Luminaire Tested: GWS-SA1E-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

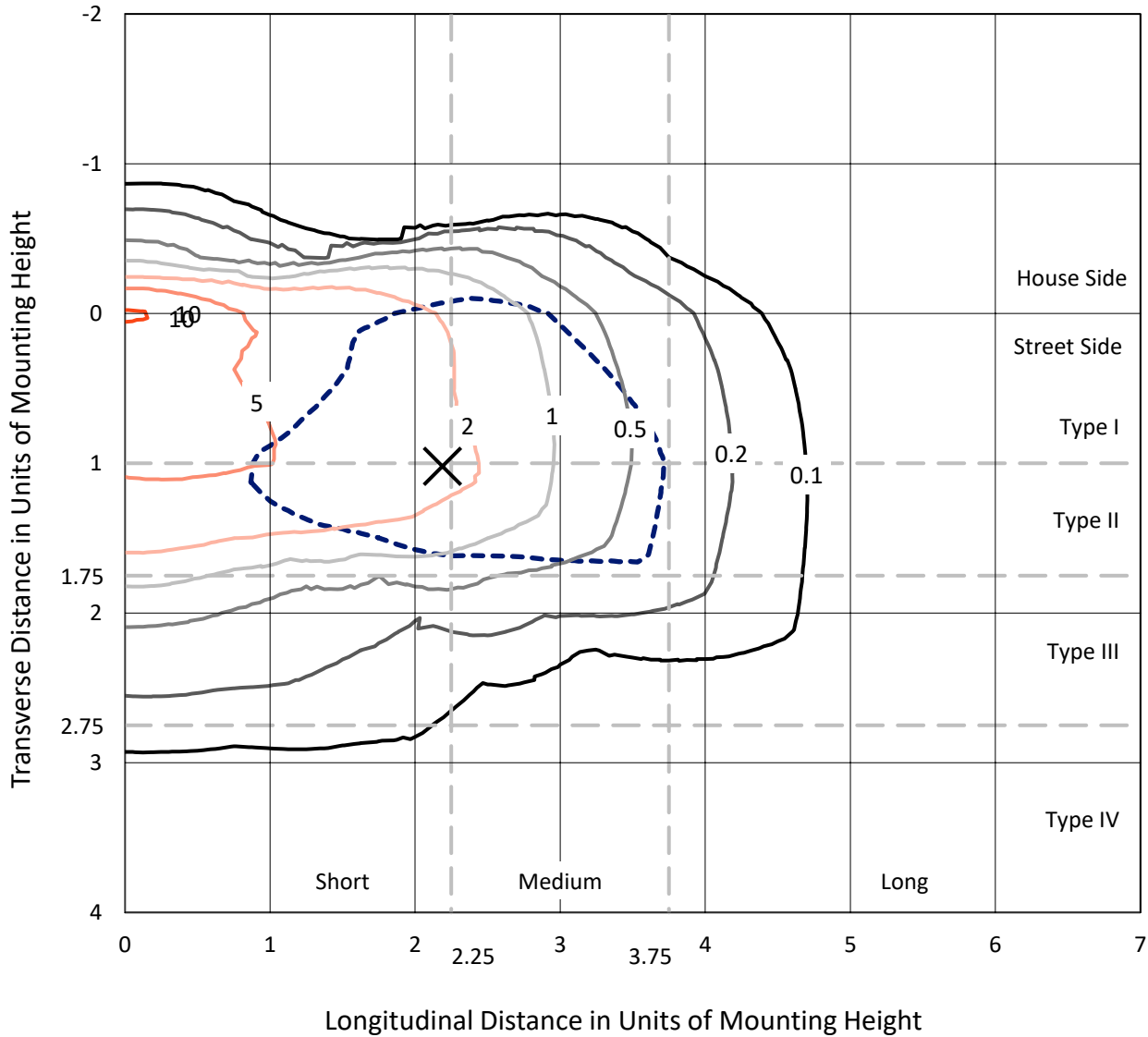
Lumens per Lamp: N/A  
Luminaire Lumens: 4424.6 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

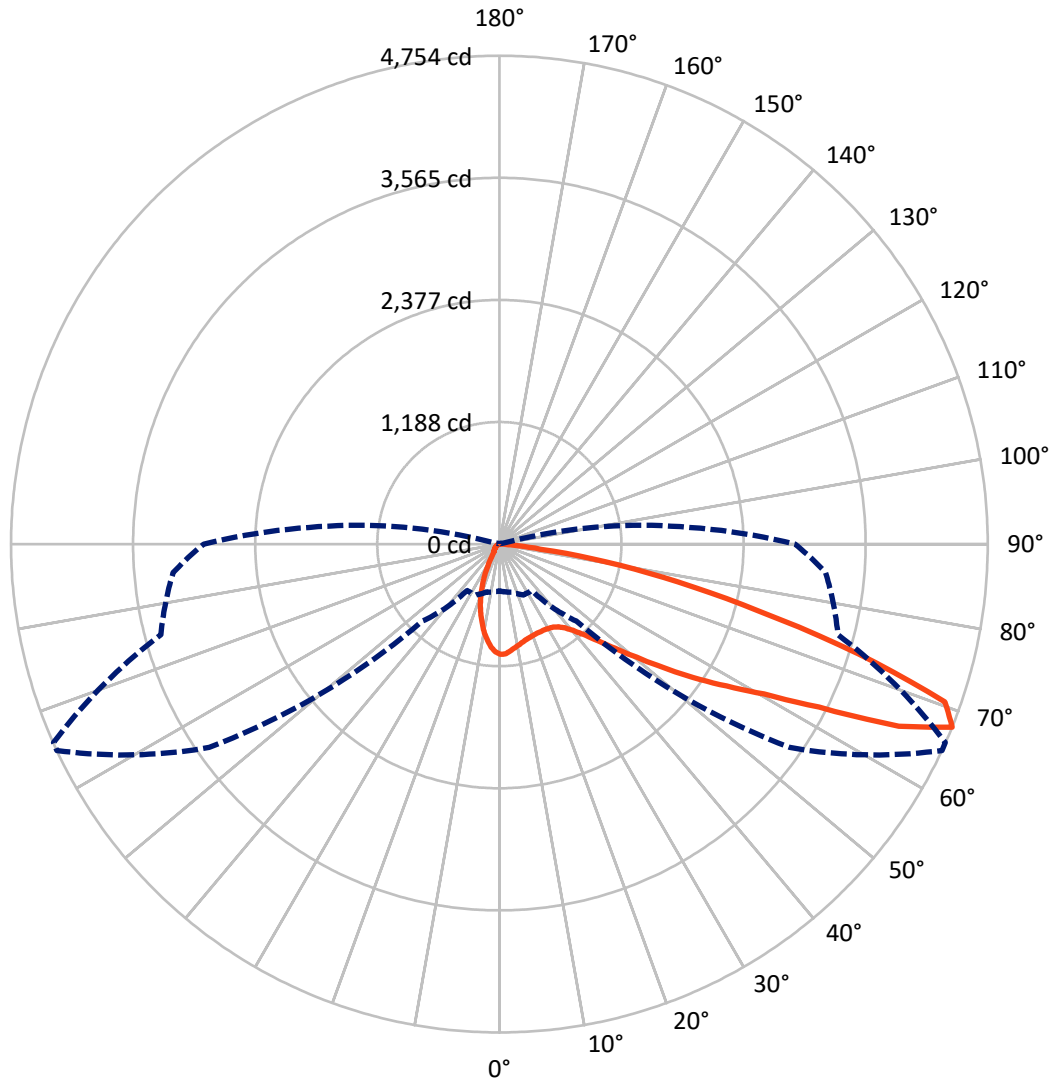
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	552.5	0.0	552.5
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	3872.1	0.0	3872.1
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	4424.6	0.0	4424.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.1	2.0
10°-20°	200.4	4.5
20°-30°	286.3	6.5
30°-40°	416.5	9.4
40°-50°	652.3	14.7
50°-60°	1017.7	23.0
60°-70°	1117.9	25.3
70°-80°	594.9	13.4
80°-90°	49.5	1.1
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°	4424.6	100.0
0°-180°	4424.6	100.0

**Coefficient of Utilization**



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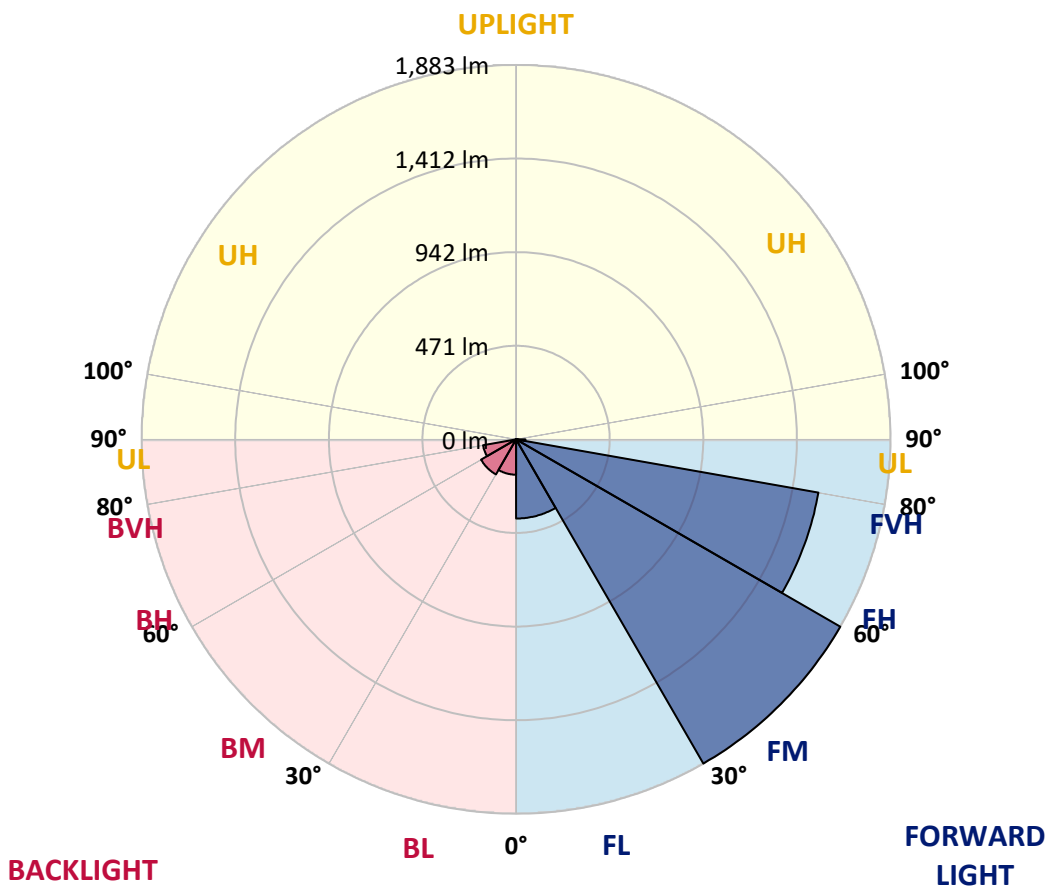
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.2	9.0			
FM (30°-60°)	1883.0	42.6			
FH (60°-80°)	1544.0	34.9			G1/1800
FVH (80°-90°)	46.9	1.1			G1/100
BL (0°-30°)	177.6	4.0	B1/500		
BM (30°-60°)	203.5	4.6	B0/220		
BH (60°-80°)	168.8	3.8	B1/500		G1/500
BVH (80°-90°)	2.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1
2.5°	1035.9	1039.1	1034.7	1045.5	1047.5	1059.5	1066.3	1071.1	1070.7	1076.7	1076.7
5°	975.1	978.3	975.9	987.5	996.7	1015.5	1031.1	1049.1	1049.9	1068.3	1075.1
7.5°	923.5	923.9	923.9	938.3	950.3	973.5	996.7	1024.3	1027.5	1055.9	1073.9
10°	881.1	882.3	882.7	899.1	912.3	940.3	969.9	1003.1	1006.7	1045.1	1073.1
12.5°	851.8	852.2	853.8	871.0	885.5	914.7	944.7	982.7	987.5	1032.7	1069.5
15°	837.8	837.0	837.8	852.2	866.6	894.7	925.5	966.3	971.5	1022.3	1069.9
17.5°	837.0	835.8	835.0	845.8	855.0	879.8	911.1	955.5	961.1	1017.5	1074.3
20°	848.6	847.8	843.8	848.6	850.6	871.0	901.9	947.1	952.7	1016.7	1083.9
22.5°	879.0	877.0	871.0	866.6	855.8	867.8	895.5	941.1	947.5	1018.7	1096.3
25°	924.3	923.5	915.9	905.1	877.4	872.6	895.9	941.1	947.1	1021.1	1109.5
27.5°	992.3	987.5	977.9	959.1	919.5	891.5	903.9	943.5	949.5	1024.3	1120.3
30°	1061.5	1061.1	1057.9	1038.7	979.9	927.5	920.7	949.9	955.5	1027.1	1130.3
32.5°	1133.1	1134.3	1142.3	1127.5	1063.1	981.1	951.1	963.1	967.1	1032.7	1139.1
35°	1201.1	1203.5	1224.7	1229.9	1164.3	1062.3	1000.7	989.5	989.9	1045.1	1150.7
37.5°	1266.4	1274.4	1308.4	1333.6	1290.4	1160.7	1072.3	1034.3	1031.1	1069.9	1168.3
40°	1340.4	1355.6	1398.4	1441.2	1427.6	1290.8	1169.9	1103.1	1096.3	1115.5	1199.9
42.5°	1422.4	1438.8	1495.6	1555.6	1562.0	1448.0	1292.0	1203.5	1191.9	1192.3	1259.2
45°	1510.4	1532.4	1598.5	1684.9	1723.7	1623.3	1442.4	1339.2	1327.6	1310.4	1354.4
47.5°	1626.1	1645.3	1708.9	1808.5	1882.9	1811.3	1639.7	1513.6	1492.4	1467.2	1502.4
50°	1725.7	1742.5	1797.3	1922.1	2077.0	2053.8	1863.3	1731.7	1711.3	1668.5	1697.7
52.5°	1747.7	1760.9	1811.3	1951.8	2225.4	2359.9	2137.4	1995.4	1981.0	1901.7	1912.9
55°	1648.9	1668.9	1714.1	1870.1	2264.2	2659.2	2493.1	2292.7	2262.6	2136.2	2156.2
57.5°	1399.2	1434.8	1477.2	1680.1	2159.0	2818.4	2990.0	2607.5	2580.3	2361.9	2362.3
60°	1025.5	1054.3	1082.7	1268.4	1909.3	2807.6	3441.0	2961.2	2911.6	2546.3	2539.5
62.5°	745.8	760.6	760.2	826.2	1311.2	2622.7	3677.8	3494.2	3378.6	2743.6	2704.8
65°	586.6	586.2	603.4	625.0	732.2	2024.6	3707.1	4272.4	4147.6	3008.1	2927.2
67.5°	456.5	465.3	482.5	546.2	550.2	1059.5	3450.2	4753.8	4751.3	3411.8	3187.7
70°	352.1	364.1	388.5	481.3	508.1	593.0	2581.5	4601.3	4640.1	3592.2	3003.3
72.5°	226.1	225.3	261.3	388.9	488.1	494.1	1427.6	3655.0	3699.1	3253.7	2428.3
75°	126.4	127.2	147.6	238.1	454.9	464.9	707.0	2606.3	2641.2	2536.7	1865.7
77.5°	49.6	51.2	69.2	125.2	300.1	415.3	420.1	1777.3	1782.5	1572.0	1144.3
80°	20.0	21.2	35.2	77.6	182.9	279.7	300.1	1047.1	1025.9	608.6	332.9
82.5°	6.0	6.4	14.0	44.0	95.6	198.9	202.5	401.7	379.3	130.8	84.8
85°	0.4	0.4	3.2	13.6	34.0	50.0	134.8	130.8	116.0	32.8	37.6
87.5°	0.0	0.0	0.4	0.4	0.8	1.6	14.4	24.0	24.4	6.0	16.8
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°	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1	1073.1
2.5°	1076.7	1062.3	1061.1	1049.9	1038.7	1024.7	1008.3	996.3	987.9	973.1	970.3
5°	1075.1	1055.9	1037.9	1005.9	970.3	931.9	898.3	867.0	847.4	834.2	828.6
7.5°	1071.9	1047.5	1005.9	945.5	885.9	818.6	766.2	718.2	685.4	666.2	657.8
10°	1069.5	1036.7	969.1	877.4	785.0	692.2	612.6	541.4	501.7	470.5	465.3
12.5°	1064.7	1021.1	921.9	797.8	678.6	555.4	453.7	366.5	306.1	278.9	269.3
15°	1059.9	1004.7	874.6	713.8	562.6	410.5	287.3	203.3	161.6	148.8	148.0
17.5°	1059.1	989.9	823.4	634.2	440.9	268.9	163.6	131.6	122.8	119.6	119.6
20°	1061.5	977.5	773.0	542.6	321.3	163.6	122.0	114.0	108.8	106.0	106.0
22.5°	1063.9	964.7	724.6	450.1	213.3	119.6	107.6	100.8	94.8	91.6	90.0
25°	1065.5	950.7	671.0	357.3	139.2	104.0	94.4	85.6	78.4	74.4	74.4
27.5°	1065.1	933.9	617.0	266.5	108.0	92.4	80.8	71.6	64.4	60.0	60.4
30°	1061.9	915.5	561.0	186.1	94.4	80.8	69.2	59.6	52.4	48.8	48.4
32.5°	1059.5	895.9	496.1	130.8	84.8	70.8	58.8	49.6	43.6	40.8	40.4
35°	1056.7	876.6	434.5	99.6	76.4	61.2	49.6	42.0	37.2	34.8	34.8
37.5°	1057.5	856.6	367.7	85.6	68.0	53.2	42.4	36.0	32.0	29.6	29.2
40°	1069.9	844.6	302.1	77.6	60.4	46.0	36.8	31.2	27.2	24.8	24.4
42.5°	1100.7	845.0	239.3	71.6	53.6	39.2	32.0	26.8	23.2	20.4	20.0
45°	1162.3	861.8	183.7	65.2	46.4	34.0	27.6	22.8	19.2	16.8	16.4
47.5°	1263.2	911.9	139.2	59.6	40.4	29.6	23.6	19.2	16.0	14.0	13.6
50°	1423.6	1002.3	109.6	52.8	34.0	25.6	20.0	16.0	13.2	11.2	10.8
52.5°	1616.5	1137.9	94.0	46.8	29.2	22.4	17.2	13.2	10.8	9.2	8.8
55°	1838.1	1300.0	86.8	40.8	24.8	19.2	14.0	10.8	8.8	7.6	6.8
57.5°	2041.4	1446.0	86.4	34.8	21.2	16.4	11.6	9.2	7.6	6.0	5.6
60°	2239.4	1568.0	81.2	28.8	18.4	13.6	10.0	7.6	6.4	5.2	4.8
62.5°	2419.1	1667.3	68.0	23.2	15.6	11.2	8.4	6.8	5.6	4.4	4.4
65°	2644.8	1793.7	52.0	18.8	12.8	9.2	7.2	6.0	5.2	4.0	4.0
67.5°	2878.0	1860.5	37.2	15.6	10.4	8.0	6.4	5.6	4.4	3.6	3.6
70°	2606.7	1572.0	26.8	12.8	8.8	6.8	5.6	5.2	4.4	3.6	3.2
72.5°	2035.8	1133.5	20.0	10.0	7.6	6.4	5.2	4.8	4.0	3.2	3.2
75°	1509.6	661.0	15.2	8.0	6.0	5.2	5.2	4.8	4.0	3.2	2.8
77.5°	820.6	230.5	11.6	6.4	4.8	4.0	4.4	4.4	3.6	2.8	2.4
80°	217.3	63.2	8.0	4.8	4.0	3.2	3.2	4.0	3.2	2.4	2.4
82.5°	63.2	18.4	5.6	4.0	3.2	2.8	2.8	2.8	2.4	2.0	1.6
85°	30.8	6.8	4.0	3.2	2.8	2.4	2.0	2.0	1.6	1.2	1.2
87.5°	13.6	2.8	3.2	2.8	2.8	2.0	1.6	1.2	1.2	0.8	0.4
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)