

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: P630127

Luminaire Tested: GWS-SA1D-722-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630127  
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-SA1D-722-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

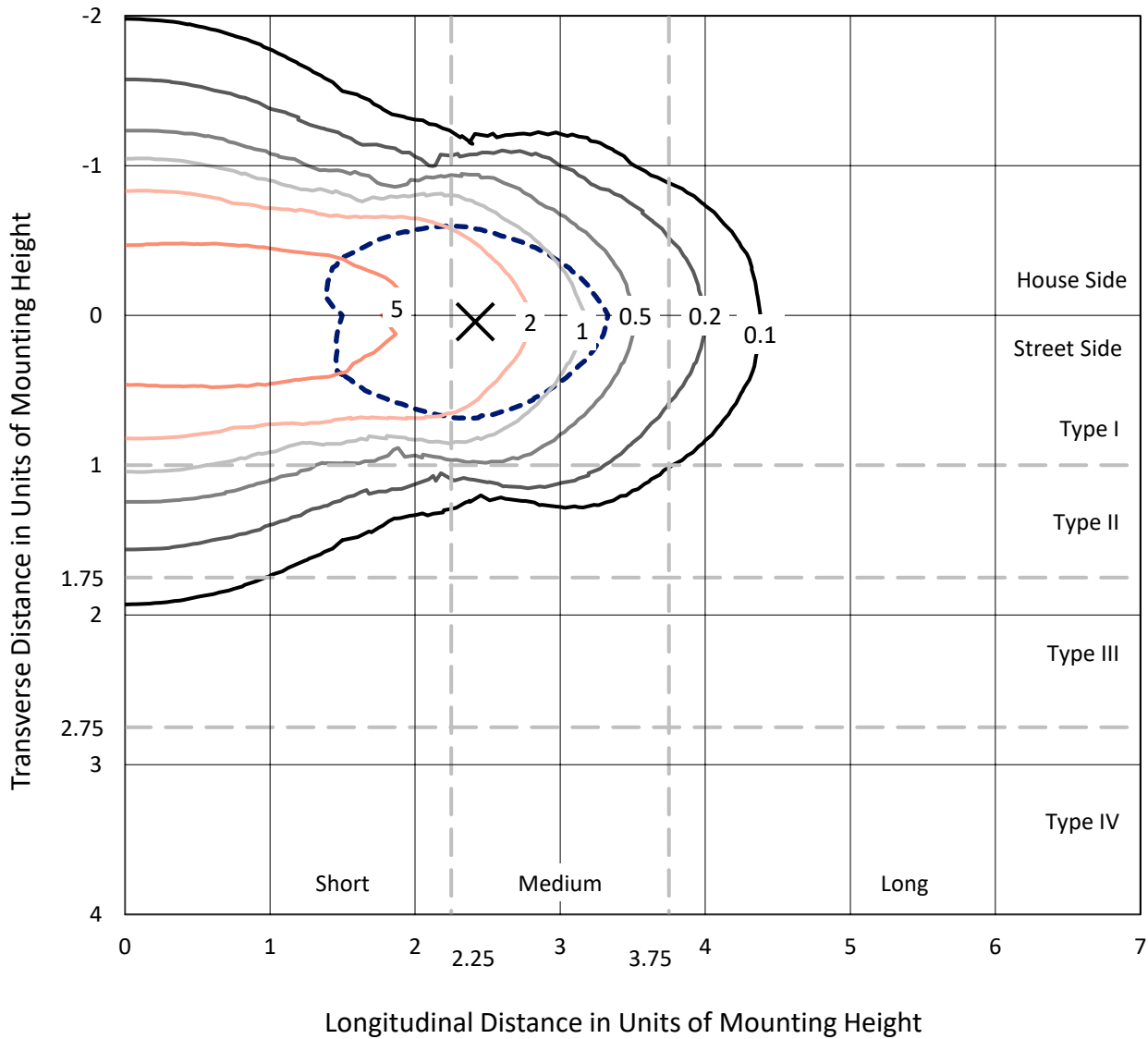
Lumens per Lamp: N/A  
Luminaire Lumens: 4458.4 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

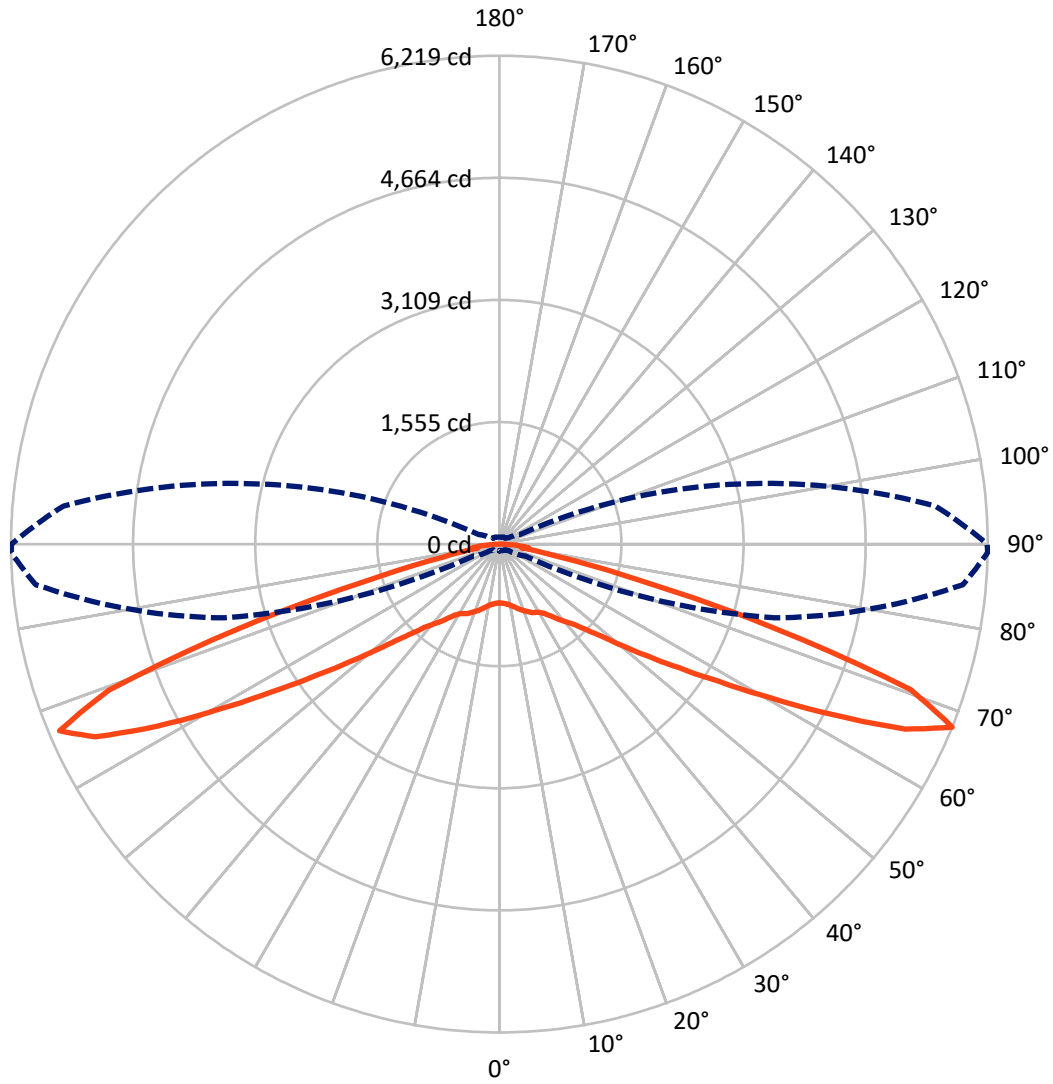
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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	2209.7	0.0	2209.7
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	2248.7	0.0	2248.7
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	4458.4	0.0	4458.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.1	1.7
10°-20°	244.4	5.5
20°-30°	413.2	9.3
30°-40°	567.0	12.7
40°-50°	723.1	16.2
50°-60°	907.2	20.3
60°-70°	1094.2	24.5
70°-80°	395.8	8.9
80°-90°	38.5	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°	4458.4	100.0
0°-180°	4458.4	100.0

**Coefficient of Utilization**



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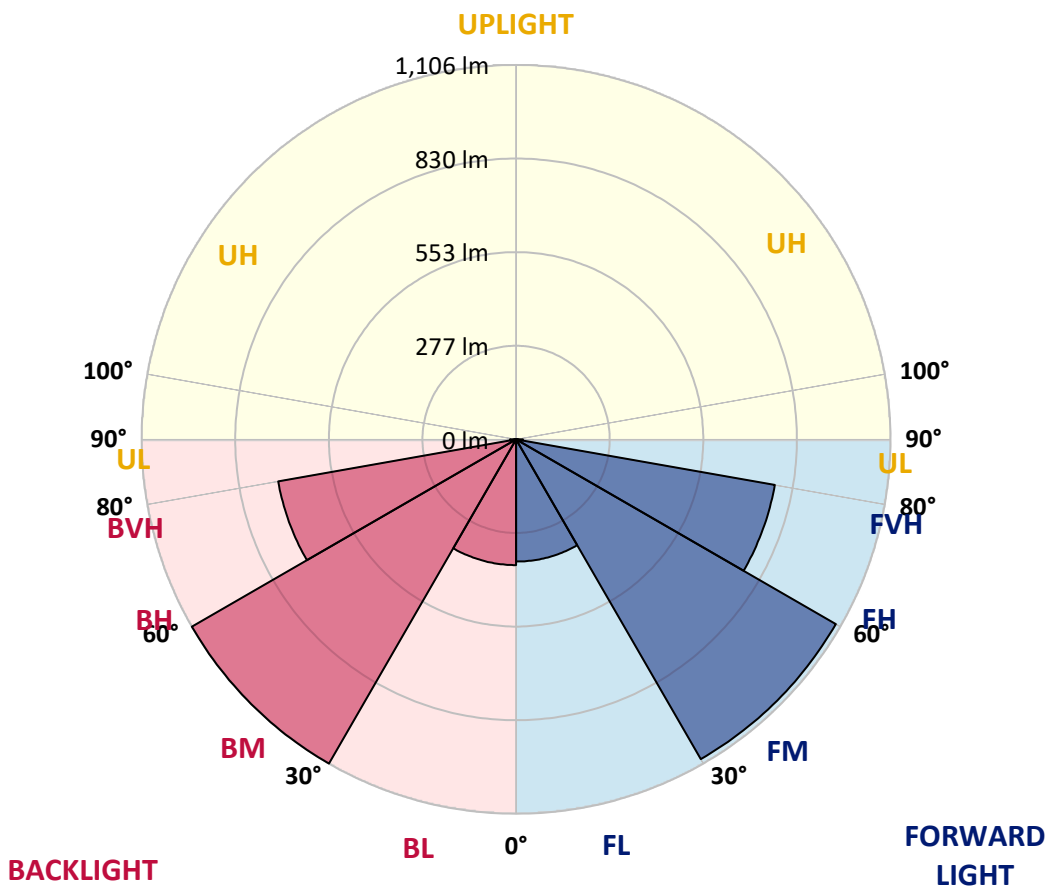
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.1	8.1			
FM (30°-60°)	1091.1	24.5			
FH (60°-80°)	776.3	17.4			G1/1800
FVH (80°-90°)	20.3	0.5			G1/100
BL (0°-30°)	371.5	8.3	B1/500		
BM (30°-60°)	1106.2	24.8	B2/2500		
BH (60°-80°)	713.7	16.0	B2/1000		G2/1000
BVH (80°-90°)	18.2	0.4			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 I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
2.5°	750.5	749.9	748.3	753.1	752.1	752.5	754.4	753.1	750.9	747.0	752.5
5°	771.7	771.4	767.8	770.7	767.5	765.3	765.0	761.8	759.2	755.0	760.8
7.5°	792.2	791.9	789.0	794.1	791.5	789.0	786.1	779.7	773.6	767.5	773.9
10°	807.9	807.5	806.9	814.3	814.9	815.9	814.6	803.7	793.1	785.8	792.2
12.5°	816.8	817.8	819.4	832.8	839.6	846.0	847.6	838.6	821.0	810.4	818.1
15°	810.7	812.7	820.7	845.0	863.6	878.0	884.1	876.7	854.0	836.4	845.0
17.5°	781.6	783.2	798.9	836.0	877.0	910.3	920.3	915.8	890.5	869.0	877.3
20°	741.3	744.8	761.8	813.6	874.8	932.7	959.3	957.7	930.2	897.2	907.1
22.5°	704.8	708.9	726.9	784.2	859.7	938.5	998.7	1002.9	966.4	925.4	933.4
25°	663.8	667.6	690.7	749.3	833.8	934.0	1032.3	1051.2	1007.3	957.7	965.1
27.5°	621.8	624.7	647.4	709.9	799.9	925.7	1058.9	1104.4	1047.7	980.1	985.3
30°	585.0	588.8	609.7	670.5	762.7	909.0	1080.7	1161.0	1094.1	1005.4	1009.6
32.5°	549.5	552.7	575.4	631.8	723.3	883.4	1100.2	1227.6	1163.0	1052.5	1052.5
35°	504.6	510.4	536.0	594.6	686.2	849.5	1114.3	1305.1	1257.1	1122.0	1122.3
37.5°	463.3	466.5	493.4	552.7	647.1	811.1	1115.6	1385.5	1376.2	1210.4	1211.0
40°	416.3	420.4	449.2	507.8	602.3	770.7	1103.4	1460.4	1501.1	1301.3	1297.8
42.5°	368.5	374.6	402.2	459.5	553.9	721.4	1071.1	1531.8	1659.6	1406.6	1398.0
45°	322.4	326.3	353.8	407.9	498.6	662.5	1019.2	1600.4	1847.9	1566.7	1554.2
47.5°	270.6	272.2	300.7	352.5	441.2	596.9	944.9	1661.5	2054.7	1778.7	1757.3
50°	224.5	226.7	249.1	293.6	371.1	519.0	852.4	1697.4	2318.2	2067.8	2030.7
52.5°	181.6	183.8	201.7	237.3	306.8	430.3	737.7	1689.1	2585.6	2426.8	2372.7
55°	146.7	148.3	160.4	188.3	241.4	342.3	602.3	1614.4	2882.4	2895.6	2779.0
57.5°	123.9	124.6	132.9	149.9	188.6	263.8	464.9	1438.3	3193.7	3493.7	3302.2
60°	110.8	111.1	115.0	125.5	148.9	201.4	340.7	1157.8	3516.1	4242.0	3979.4
62.5°	102.5	102.5	105.7	111.7	123.6	155.0	250.4	831.6	3747.6	5056.3	4795.3
65°	94.5	94.5	96.7	101.8	108.2	126.5	188.0	536.3	3861.3	5737.0	5679.1
67.5°	84.2	84.5	86.1	91.6	97.3	105.7	142.5	362.8	3625.3	5925.3	6218.6
70°	74.6	74.9	77.2	80.7	85.5	91.3	111.4	250.1	2638.8	4934.9	5560.3
72.5°	64.0	65.3	66.9	70.8	73.6	77.8	90.9	162.0	1535.4	3174.5	3675.6
75°	52.5	54.1	56.0	59.9	61.8	63.4	74.9	115.6	738.7	1608.7	1831.9
77.5°	40.7	42.3	44.5	48.0	49.3	51.2	57.3	83.6	353.8	713.1	768.8
80°	27.2	27.9	29.8	33.9	36.2	37.5	42.3	57.0	153.7	286.3	283.7
82.5°	16.7	17.0	17.6	20.2	21.1	22.4	27.5	34.9	73.3	325.3	373.0
85°	6.1	5.8	5.4	7.0	8.3	9.6	12.8	17.6	32.0	223.5	250.1
87.5°	0.0	0.0	0.0	0.3	0.6	0.6	1.3	2.6	7.7	83.6	57.3
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°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
2.5°	750.9	747.3	751.8	755.0	762.1	764.6	765.3	763.0	763.0	759.2	759.8
5°	759.5	757.3	764.6	770.1	780.3	784.2	786.7	785.1	786.1	783.5	784.2
7.5°	772.6	770.7	783.5	794.1	804.7	809.1	811.4	810.1	810.4	807.2	808.2
10°	790.9	791.5	806.9	820.7	834.8	839.2	840.2	836.4	833.2	827.4	827.7
12.5°	815.9	819.1	840.8	856.2	870.6	877.0	870.0	855.9	842.8	832.8	831.6
15°	843.1	848.8	880.2	899.8	915.5	912.2	891.4	859.7	833.8	819.1	816.2
17.5°	875.7	884.4	923.8	947.2	960.6	940.1	896.6	849.2	813.0	793.1	789.3
20°	906.5	920.3	969.9	1000.3	1001.9	955.8	894.3	827.7	782.2	757.9	752.8
22.5°	934.7	952.3	1018.2	1057.0	1036.2	962.8	880.5	797.3	745.1	716.6	712.1
25°	965.4	990.4	1074.6	1110.8	1070.4	960.0	851.7	759.5	700.3	671.1	667.9
27.5°	986.5	1017.9	1131.3	1165.8	1098.6	943.6	814.6	718.2	659.3	631.8	627.3
30°	1010.9	1050.9	1193.7	1225.7	1115.9	919.6	774.9	679.8	621.2	591.4	588.2
32.5°	1055.1	1105.3	1271.2	1289.1	1121.3	889.8	736.8	642.6	581.5	551.7	547.2
35°	1126.1	1185.1	1380.1	1359.9	1117.2	857.2	700.6	599.1	540.8	513.0	508.5
37.5°	1215.8	1289.1	1501.4	1423.6	1105.6	821.3	657.7	562.6	504.3	476.1	473.6
40°	1299.4	1389.7	1637.5	1478.7	1082.3	777.1	616.4	524.5	464.9	435.2	429.4
42.5°	1404.1	1524.2	1795.0	1526.4	1043.9	724.3	570.0	477.4	415.6	388.7	381.7
45°	1563.2	1712.4	1978.2	1572.2	986.5	659.3	511.7	420.1	361.5	334.0	328.5
47.5°	1761.7	1947.8	2176.7	1599.4	899.4	590.8	445.7	359.6	301.0	269.9	267.4
50°	2040.6	2290.1	2389.6	1594.6	802.1	509.4	371.4	287.5	238.5	216.1	212.6
52.5°	2380.4	2719.8	2619.9	1537.0	698.7	416.9	289.5	225.7	189.2	173.2	170.3
55°	2806.5	3234.3	2862.3	1413.4	568.0	319.2	227.3	178.0	153.1	143.4	142.2
57.5°	3334.2	3900.7	3095.7	1205.2	427.1	243.7	175.1	147.0	135.1	129.4	129.0
60°	4030.7	4608.0	3298.4	936.6	305.8	186.4	144.7	131.3	122.0	118.2	117.8
62.5°	4858.7	5250.3	3424.5	637.8	229.9	148.6	127.4	119.1	113.7	111.4	111.1
65°	5709.8	5656.3	3364.3	417.9	174.5	126.2	114.3	109.8	105.0	102.8	102.8
67.5°	6212.5	5570.5	2902.3	290.1	138.3	110.8	103.1	98.9	90.9	89.0	89.0
70°	5502.6	4513.9	1902.3	212.3	112.1	97.0	89.7	83.9	80.7	78.8	78.4
72.5°	3639.4	2937.2	1011.5	147.3	93.5	82.6	75.9	73.6	69.8	67.9	67.6
75°	1811.4	1542.7	518.4	106.3	77.8	66.3	63.4	62.4	59.2	56.7	56.0
77.5°	755.0	686.8	241.8	77.2	59.2	53.5	50.9	50.9	47.4	44.5	43.2
80°	284.7	253.6	114.3	52.8	43.9	39.7	38.1	36.8	33.9	30.4	28.5
82.5°	380.7	248.8	56.0	33.0	28.8	25.6	23.4	22.4	20.8	19.2	17.9
85°	246.6	176.8	25.3	17.0	14.4	10.9	9.6	9.0	8.0	7.0	6.4
87.5°	50.3	59.2	7.7	3.2	1.9	1.0	1.0	0.3	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)