

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: P630629

Luminaire Tested: GWS-SA1E-722-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630629  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-T2R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

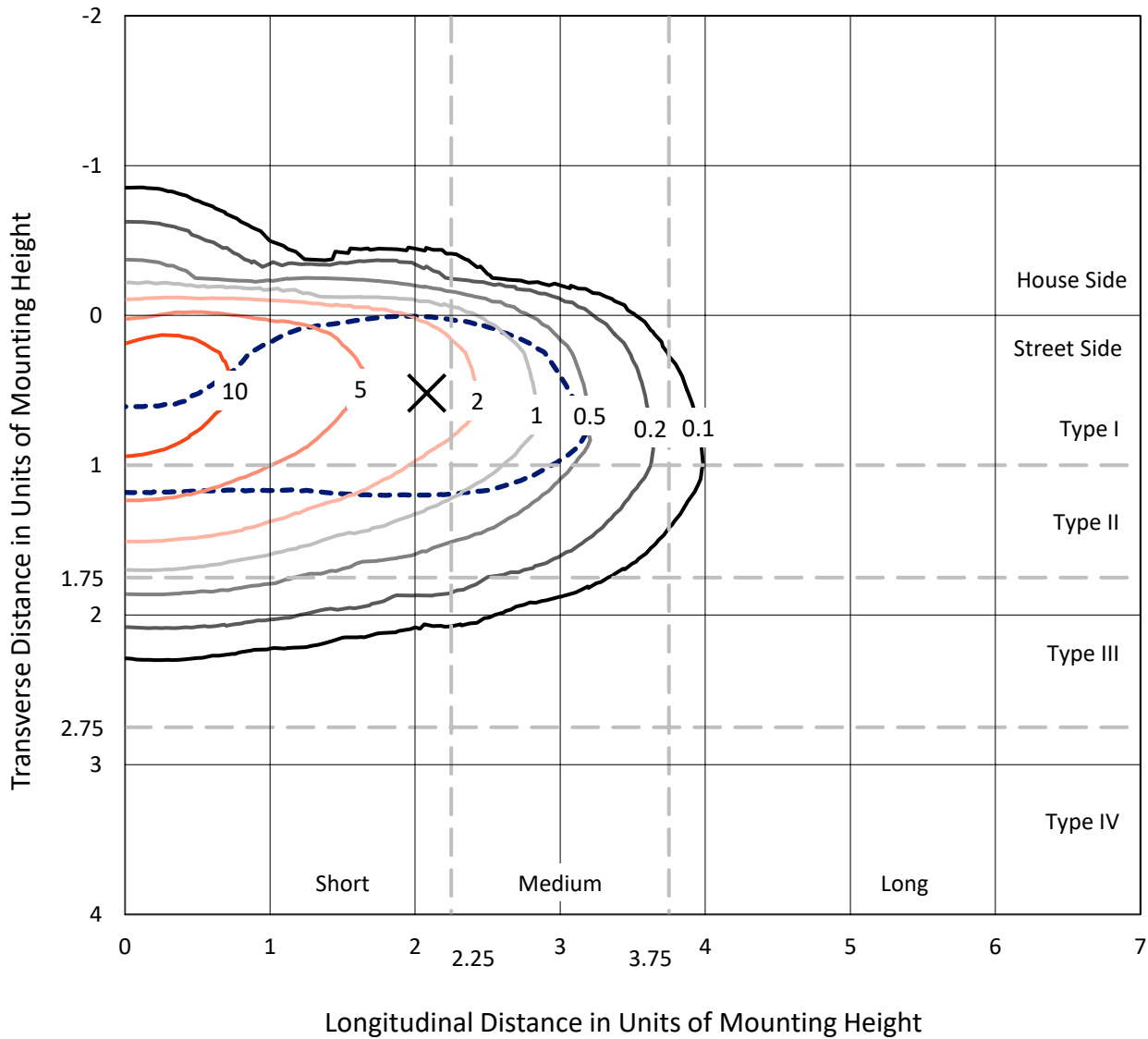
Lumens per Lamp: N/A  
Luminaire Lumens: 4501.5 lumens  
Efficiency: N/A  
Efficacy: 77.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

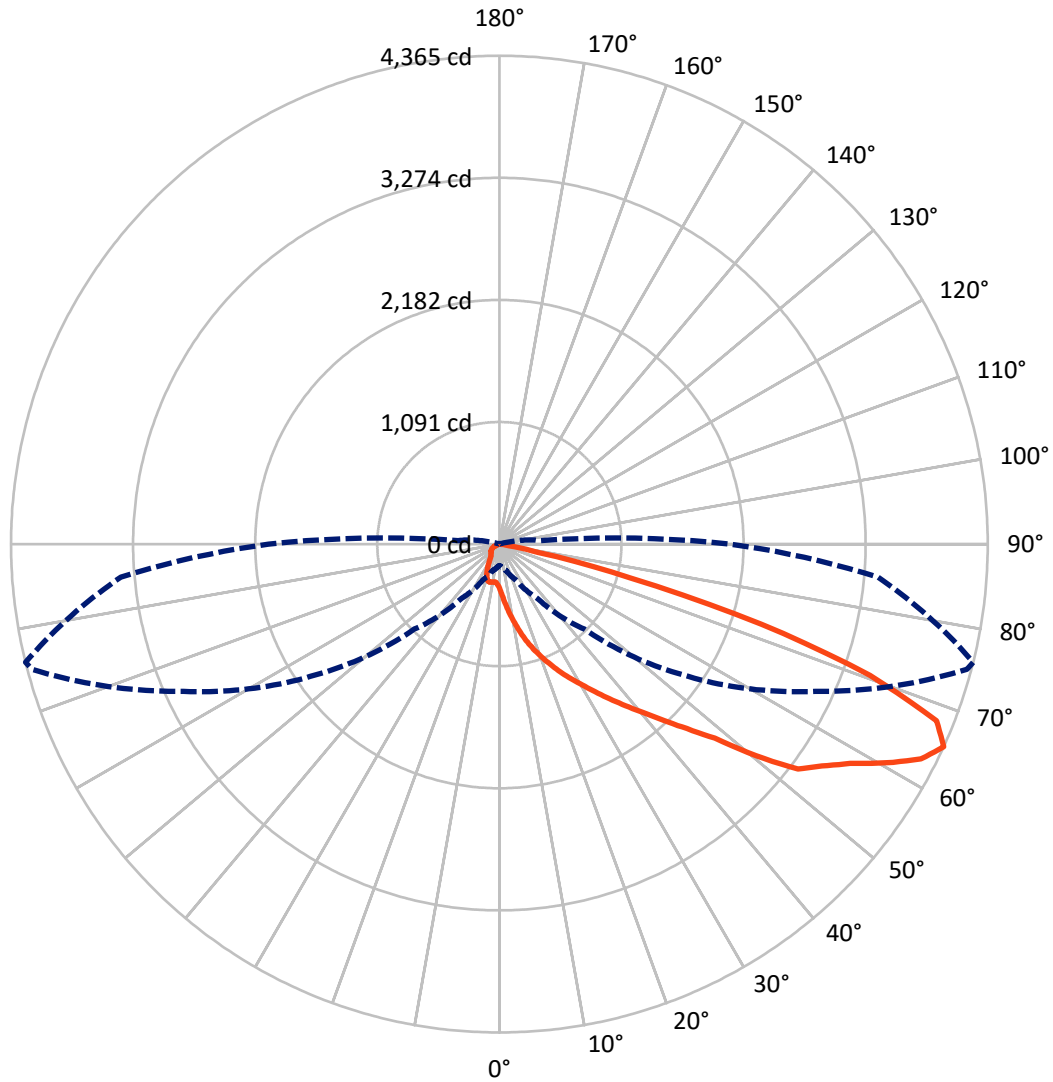
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	248.9	0.0	248.9
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	4252.6	0.0	4252.6
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	4501.5	0.0	4501.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.5	1.1
10°-20°	184.0	4.1
20°-30°	375.3	8.3
30°-40°	667.5	14.8
40°-50°	986.8	21.9
50°-60°	1129.8	25.1
60°-70°	862.0	19.1
70°-80°	241.5	5.4
80°-90°	6.1	0.1
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°	4501.5	100.0
0°-180°	4501.5	100.0

**Coefficient of Utilization**



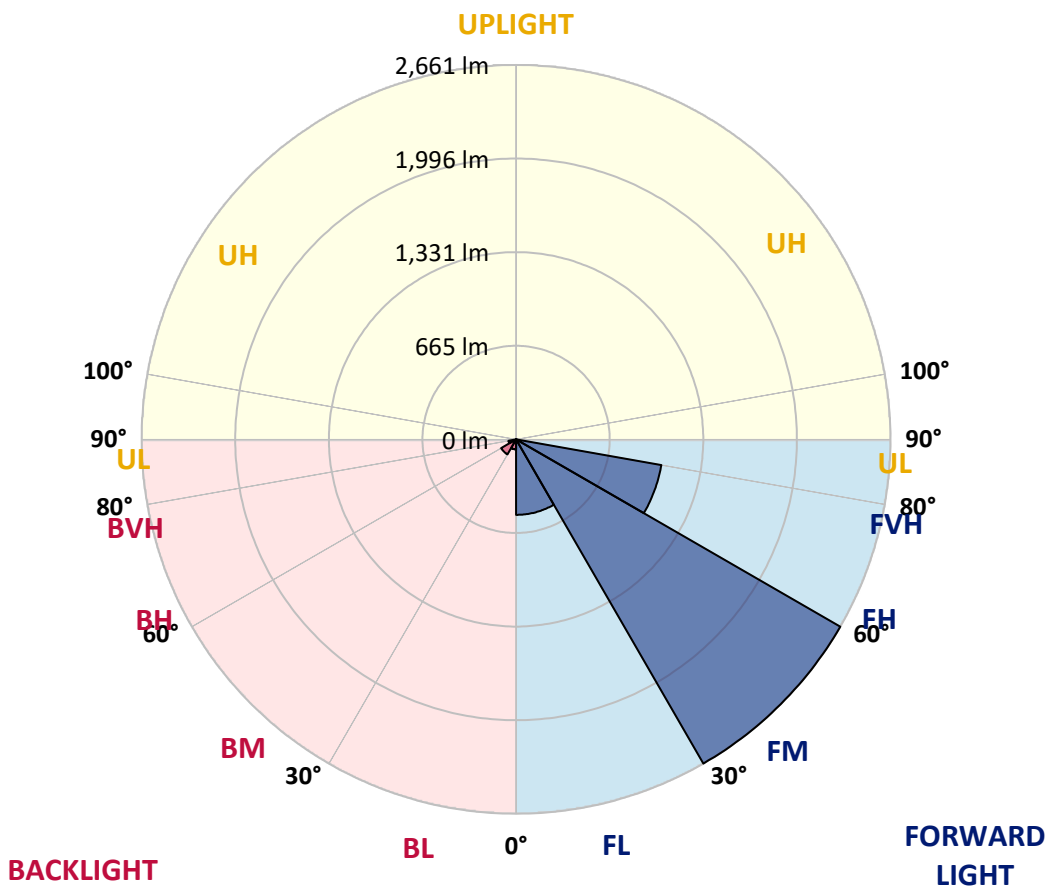
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CATALOG NUMBER: GWS-SA1E-722-U-T2R-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.8	11.9			
FM (30°-60°)	2661.4	59.1			
FH (60°-80°)	1048.7	23.3			G1/1800
FVH (80°-90°)	5.7	0.1			G0/10
BL (0°-30°)	71.0	1.6	B0/110		
BM (30°-60°)	122.8	2.7	B0/220		
BH (60°-80°)	54.7	1.2	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	398.5	398.5	398.5	398.5	398.5	398.5	398.5	398.5	398.5	398.5	398.5
2.5°	614.2	623.4	616.2	604.2	581.0	558.6	529.8	490.2	458.6	454.6	425.0
5°	829.5	828.7	813.1	797.5	773.1	734.7	676.6	603.0	532.2	526.2	459.8
7.5°	957.6	958.8	950.0	937.9	913.9	874.3	813.9	725.1	621.4	609.4	507.4
10°	1065.2	1064.8	1058.4	1052.8	1031.2	1004.8	939.9	842.3	717.5	698.7	560.6
12.5°	1146.0	1148.8	1152.0	1157.6	1148.4	1122.4	1061.2	954.8	814.7	793.9	621.4
15°	1210.0	1210.8	1222.9	1244.5	1252.1	1238.5	1182.8	1063.6	910.7	892.7	691.5
17.5°	1229.3	1230.9	1251.3	1290.9	1330.9	1338.5	1296.5	1173.2	1005.2	986.0	759.5
20°	1269.7	1273.3	1288.5	1323.3	1373.7	1414.5	1398.1	1284.1	1099.6	1074.4	829.1
22.5°	1396.9	1398.9	1393.7	1398.1	1424.1	1471.3	1481.3	1391.3	1196.4	1169.6	904.3
25°	1615.8	1616.6	1580.2	1545.8	1526.2	1535.0	1557.0	1490.1	1292.5	1266.1	974.4
27.5°	1843.1	1845.9	1802.3	1743.8	1673.8	1633.8	1627.4	1580.6	1389.3	1360.1	1043.6
30°	2057.2	2057.2	2011.1	1939.9	1846.3	1768.3	1722.2	1671.8	1493.0	1460.9	1114.4
32.5°	2249.6	2248.0	2189.2	2112.0	2019.5	1933.9	1837.1	1767.1	1608.2	1572.6	1196.0
35°	2408.5	2404.5	2337.7	2263.6	2164.8	2101.2	1993.1	1869.5	1733.0	1697.4	1280.1
37.5°	2528.5	2524.1	2462.9	2384.5	2292.8	2251.6	2161.2	1992.3	1864.7	1832.3	1373.3
40°	2593.8	2585.0	2542.5	2484.1	2407.3	2371.3	2333.7	2144.8	2019.5	1979.1	1483.3
42.5°	2613.0	2602.6	2574.5	2547.3	2500.9	2472.5	2512.9	2316.9	2189.6	2154.8	1609.0
45°	2556.1	2550.1	2547.7	2567.3	2575.7	2583.8	2683.4	2507.3	2377.3	2350.9	1767.1
47.5°	2419.3	2417.7	2438.9	2520.5	2609.4	2693.8	2868.7	2742.2	2620.6	2592.2	1987.9
50°	2166.4	2182.8	2242.0	2385.3	2562.9	2756.2	3041.9	3067.9	3014.3	2972.7	2276.0
52.5°	1771.1	1802.7	1935.5	2153.2	2408.5	2738.6	3122.0	3328.8	3383.6	3340.4	2482.5
55°	1389.7	1419.3	1537.8	1813.9	2154.4	2604.6	3125.6	3418.9	3538.5	3498.5	2622.2
57.5°	1035.2	1062.4	1170.0	1434.1	1808.7	2340.9	3039.9	3468.9	3722.2	3696.6	2842.6
60°	676.6	703.5	800.7	1031.6	1402.9	1956.7	2829.0	3458.5	3972.3	3969.9	3113.5
62.5°	375.3	396.5	467.0	647.0	979.2	1515.4	2497.7	3354.0	4214.4	4229.6	3336.8
65°	192.1	205.7	248.5	355.7	592.6	1074.4	2062.0	3114.7	4326.4	4364.8	3395.7
67.5°	125.6	130.0	140.5	184.9	317.3	675.8	1551.8	2731.0	4168.7	4213.6	3198.4
70°	102.0	105.6	111.6	123.2	163.7	358.9	1019.2	2181.2	3483.3	3513.7	2546.9
72.5°	74.8	79.6	91.2	98.8	118.0	196.9	530.2	1431.7	2392.1	2445.7	1600.6
75°	55.2	58.0	67.6	78.0	96.4	124.4	202.9	752.7	1235.3	1204.0	672.2
77.5°	33.2	35.2	43.2	50.0	68.8	77.6	70.8	278.1	375.7	353.3	162.5
80°	16.4	18.4	28.4	37.6	44.0	31.2	29.6	77.6	83.6	83.6	40.8
82.5°	5.6	7.2	15.2	24.8	21.6	12.0	14.0	20.0	22.4	23.6	12.0
85°	0.0	0.0	3.6	7.2	3.2	1.6	3.6	4.4	5.6	6.0	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.6	1.6
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°	398.5	398.5	398.5	398.5	398.5	398.5	398.5	398.5	398.5	398.5	398.5
2.5°	409.0	390.1	361.7	336.1	316.5	298.1	284.1	272.9	270.9	264.5	265.3
5°	427.4	393.3	340.9	300.5	272.1	252.9	236.9	224.9	219.7	214.5	210.5
7.5°	455.8	406.5	332.9	283.7	250.5	220.9	196.1	176.1	166.5	160.5	156.5
10°	490.6	425.0	333.3	273.7	224.5	179.3	145.3	123.2	112.8	109.6	109.2
12.5°	532.2	448.2	336.5	257.3	186.9	133.2	107.6	97.6	94.4	91.6	91.6
15°	576.2	474.2	336.5	227.3	142.5	104.0	93.2	86.8	82.8	81.2	80.4
17.5°	622.6	498.6	328.5	186.1	109.2	91.6	82.8	76.8	73.6	71.2	70.4
20°	672.2	521.8	308.5	142.5	93.6	82.0	73.6	67.6	64.4	62.0	62.0
22.5°	722.7	543.4	276.1	109.6	82.8	72.8	64.8	59.2	56.0	53.6	53.6
25°	769.5	557.8	234.5	90.4	74.8	64.8	57.6	52.0	48.4	46.8	46.0
27.5°	813.1	567.0	188.5	79.6	67.2	58.0	50.4	45.2	42.4	41.2	40.4
30°	858.3	569.4	144.1	72.4	60.8	51.2	44.0	40.0	37.6	36.0	36.0
32.5°	902.3	566.6	110.0	66.4	55.2	45.2	39.2	35.6	33.6	32.4	32.0
35°	947.1	553.8	89.2	61.2	49.6	39.6	34.8	32.0	30.8	29.2	29.2
37.5°	996.0	536.6	77.6	56.0	44.0	35.6	31.2	29.2	27.6	26.4	26.0
40°	1056.8	516.6	71.2	51.6	38.8	32.0	28.0	26.0	24.8	23.6	23.2
42.5°	1128.8	497.0	68.0	46.8	34.8	28.4	25.2	22.8	21.6	20.0	19.6
45°	1230.9	492.6	64.4	41.6	31.2	25.6	22.0	19.6	18.0	16.8	16.4
47.5°	1394.9	505.0	58.4	36.0	27.6	22.4	18.8	16.8	14.8	13.6	12.8
50°	1557.8	501.8	52.4	31.2	24.4	19.2	16.0	14.0	12.0	10.8	10.4
52.5°	1646.6	486.6	46.8	27.6	21.2	16.4	13.6	11.2	10.0	8.8	8.4
55°	1727.0	480.6	41.2	24.0	18.0	14.4	11.2	9.2	8.4	7.2	6.8
57.5°	1884.7	494.6	36.4	20.8	15.6	12.4	9.6	7.6	6.8	5.6	5.2
60°	2049.6	496.2	31.2	18.0	13.6	10.4	7.6	6.0	5.2	4.0	3.6
62.5°	2135.6	455.8	25.6	15.2	11.2	8.8	6.4	4.8	4.0	2.4	2.4
65°	2063.6	368.5	21.6	12.4	8.8	6.8	4.8	3.6	2.4	1.2	0.4
67.5°	1826.3	262.1	18.0	10.0	6.4	4.8	3.6	2.4	0.4	0.0	0.0
70°	1337.3	149.7	14.0	7.2	4.8	3.2	2.4	1.2	0.0	0.0	0.0
72.5°	821.9	80.0	10.4	4.8	3.6	2.4	2.0	0.8	0.0	0.0	0.0
75°	311.7	38.4	6.4	3.2	2.8	2.0	1.2	0.4	0.0	0.0	0.0
77.5°	84.4	18.8	3.6	2.4	2.0	1.2	0.8	0.0	0.0	0.0	0.0
80°	22.0	8.8	2.4	1.6	1.2	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	7.6	4.0	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0
85°	3.2	1.6	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	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)