

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: P630411

Luminaire Tested: GWS-SA1D-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630411  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-750-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

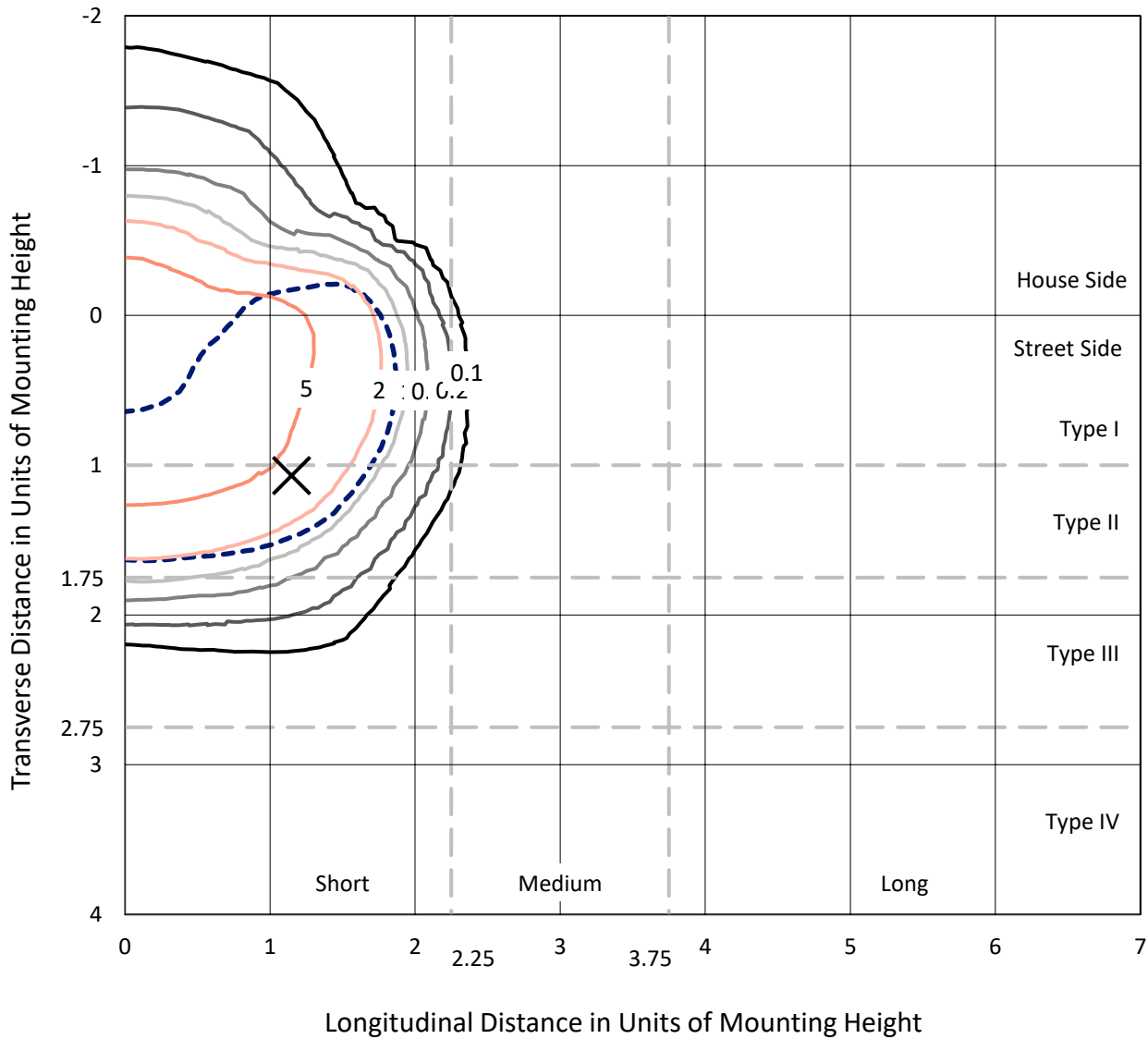
Lumens per Lamp: N/A  
Luminaire Lumens: 3830.3 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

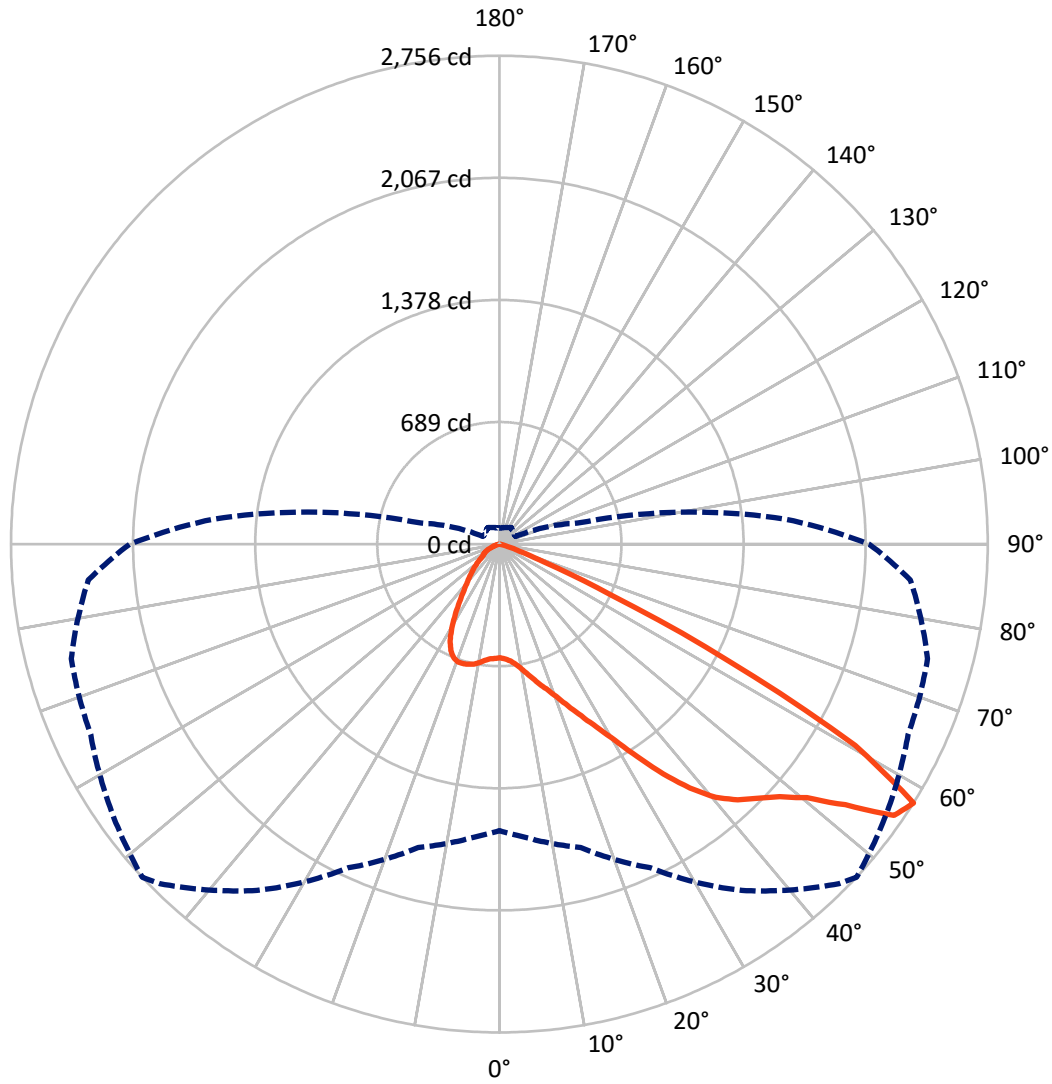
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	831.0	0.0	831.0
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	2999.3	0.0	2999.3
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	3830.3	0.0	3830.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.8	1.7
10°-20°	215.2	5.6
20°-30°	399.7	10.4
30°-40°	639.8	16.7
40°-50°	935.2	24.4
50°-60°	1154.2	30.1
60°-70°	385.7	10.1
70°-80°	35.9	0.9
80°-90°	0.7	0.0
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°	3830.3	100.0
0°-180°	3830.3	100.0

**Coefficient of Utilization**



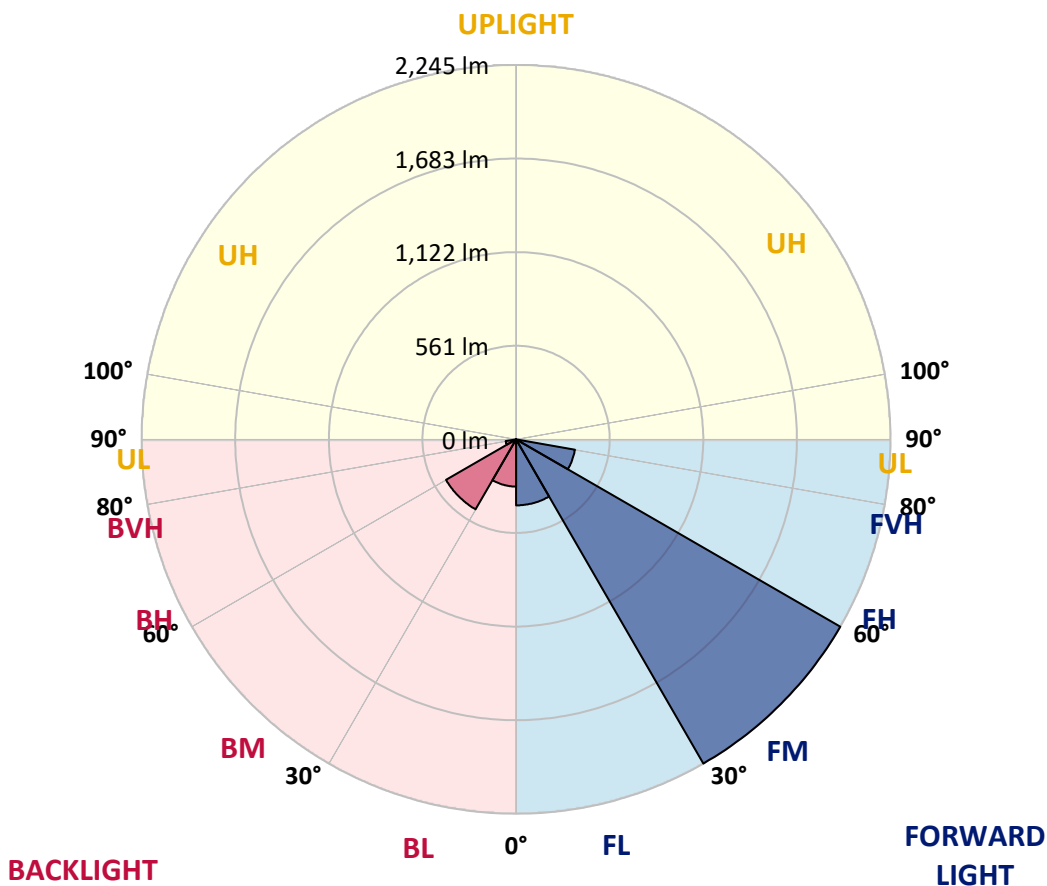
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.8	10.3			
FM (30°-60°)	2244.5	58.6			
FH (60°-80°)	358.4	9.4			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	282.9	7.4	B1/500		
BM (30°-60°)	484.7	12.7	B1/1000		
BH (60°-80°)	63.2	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2
2.5°	647.9	647.4	647.0	649.6	648.8	648.3	649.2	649.2	649.2	646.5	641.2
5°	663.4	663.4	663.0	665.7	663.4	662.1	662.5	662.5	660.8	655.9	649.2
7.5°	687.9	687.0	686.1	688.8	686.6	686.1	687.0	684.3	681.2	673.2	663.9
10°	723.0	723.0	721.7	724.3	722.6	721.7	721.7	719.9	714.1	701.7	687.9
12.5°	771.5	769.3	766.1	763.9	763.0	762.6	763.0	760.4	754.1	738.1	719.0
15°	824.4	822.6	817.7	814.2	809.3	808.4	811.1	808.8	802.6	780.8	753.7
17.5°	891.1	893.3	880.9	873.3	859.1	858.2	859.1	862.6	858.2	830.2	790.6
20°	948.0	949.8	940.5	935.1	922.2	916.4	918.2	924.0	919.1	886.2	831.1
22.5°	1008.9	1011.2	1001.4	990.3	984.5	984.5	991.1	999.1	992.5	949.3	877.3
25°	1081.9	1083.6	1075.6	1061.0	1050.7	1063.6	1073.4	1094.7	1083.6	1024.9	932.0
27.5°	1165.4	1165.9	1154.3	1139.2	1133.9	1157.9	1167.7	1200.6	1196.1	1109.9	989.8
30°	1254.8	1255.3	1252.6	1242.4	1237.5	1269.1	1282.4	1330.0	1326.9	1215.2	1068.5
32.5°	1347.8	1347.8	1352.6	1351.8	1357.5	1409.1	1430.5	1484.7	1481.6	1344.2	1166.3
35°	1441.1	1441.6	1450.0	1471.4	1495.4	1563.9	1591.9	1657.7	1650.6	1498.5	1291.3
37.5°	1547.4	1543.0	1554.5	1586.5	1639.9	1719.0	1745.7	1808.4	1800.4	1656.3	1454.5
40°	1675.5	1667.5	1667.5	1704.8	1765.3	1856.4	1879.1	1910.2	1883.1	1784.0	1614.6
42.5°	1816.9	1809.3	1799.5	1832.4	1883.1	1954.3	1972.9	1964.5	1942.3	1904.5	1796.9
45°	1960.1	1948.5	1955.2	1975.2	2004.5	2038.3	2045.4	2006.3	1996.1	2006.7	1947.6
47.5°	2069.0	2061.0	2077.4	2105.5	2129.5	2134.4	2129.5	2075.2	2074.3	2112.1	2052.1
50°	2105.5	2106.3	2151.7	2213.1	2251.7	2255.7	2249.1	2186.8	2178.4	2189.5	2108.6
52.5°	2109.0	2112.6	2178.8	2295.8	2401.2	2449.2	2443.8	2376.7	2294.0	2282.0	2193.9
55°	2023.2	2044.1	2136.6	2307.3	2531.4	2684.8	2702.6	2574.1	2451.4	2441.2	2377.6
57.5°	1617.2	1659.9	1771.5	2014.7	2386.0	2709.3	2755.5	2663.1	2544.3	2500.8	2328.2
60°	966.7	1019.6	1126.8	1425.1	1816.0	2226.8	2306.4	2319.3	2264.6	2138.8	1786.2
62.5°	414.9	410.4	542.5	771.0	1080.1	1415.3	1451.4	1507.4	1555.0	1423.3	1084.1
65°	142.3	154.7	215.2	347.7	540.7	657.2	689.2	739.5	807.1	666.1	397.1
67.5°	88.0	93.4	124.1	205.4	291.7	287.2	273.0	265.0	257.9	176.5	108.9
70°	64.0	68.5	87.2	141.4	196.1	137.8	119.6	96.9	107.6	99.2	77.4
72.5°	43.1	46.7	60.0	85.8	100.5	67.1	62.3	70.7	85.4	81.4	63.1
75°	25.8	28.0	34.2	41.8	40.9	34.7	35.1	49.8	65.4	60.9	44.9
77.5°	17.8	18.7	22.7	27.1	20.0	10.7	9.8	13.8	22.2	22.2	15.1
80°	4.4	5.8	5.8	3.6	3.1	2.7	2.7	4.0	6.2	4.4	2.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2
2.5°	644.3	639.0	642.5	641.6	644.3	645.2	641.2	640.3	640.8	635.4	633.6
5°	650.5	644.3	646.1	644.3	647.4	650.1	648.8	650.5	652.8	648.8	647.0
7.5°	663.9	657.6	657.2	654.5	659.0	660.8	660.3	665.2	669.7	667.0	664.3
10°	687.0	678.5	677.7	675.4	676.8	678.1	673.2	674.1	678.1	675.0	673.7
12.5°	715.5	705.2	703.0	697.7	697.7	691.0	680.3	678.1	681.2	679.0	676.8
15°	746.1	732.4	728.8	719.5	710.6	698.1	687.0	684.3	686.6	683.9	682.1
17.5°	780.4	764.8	753.3	736.8	717.2	702.6	690.1	684.3	680.8	675.4	675.0
20°	814.2	793.7	774.1	747.9	722.1	699.9	679.4	664.3	651.4	643.4	640.3
22.5°	853.3	823.1	791.5	754.6	717.7	683.9	647.9	622.1	599.8	592.3	588.7
25°	895.1	856.0	808.8	760.8	702.6	648.3	599.4	561.2	531.8	522.0	518.0
27.5°	941.3	887.5	826.6	759.5	671.4	597.6	532.7	485.1	456.2	447.3	450.4
30°	1000.0	928.4	848.9	745.7	624.7	526.5	450.4	410.4	388.6	380.2	380.6
32.5°	1078.3	987.1	881.3	716.3	564.7	445.5	378.8	349.5	334.8	323.7	322.8
35°	1190.3	1076.5	911.5	669.2	491.8	373.5	325.0	301.9	281.5	268.6	270.8
37.5°	1324.6	1189.0	928.0	605.6	410.0	317.5	284.6	261.0	237.9	218.8	221.0
40°	1483.8	1336.2	926.7	522.0	335.3	279.2	250.8	223.2	194.3	177.0	178.8
42.5°	1661.2	1475.4	897.8	433.5	277.9	248.1	218.3	183.6	155.6	145.0	145.4
45°	1815.1	1588.3	847.1	341.9	233.9	217.9	184.5	149.0	136.5	129.0	128.5
47.5°	1928.9	1671.0	774.6	269.0	198.3	190.3	151.6	133.4	123.6	117.4	116.5
50°	1992.5	1699.9	694.6	210.8	167.6	161.4	135.6	120.9	114.3	110.3	109.4
52.5°	2077.9	1734.6	637.2	166.3	140.5	132.1	124.9	112.5	108.1	104.9	103.6
55°	2213.1	1801.8	587.4	132.1	116.9	115.2	117.8	107.6	104.9	100.0	98.3
57.5°	2085.9	1618.6	456.2	102.3	98.7	105.4	113.8	102.7	96.0	91.6	89.8
60°	1467.8	1076.1	229.4	82.3	88.0	98.7	107.2	92.9	86.3	87.2	86.3
62.5°	809.3	538.5	103.2	68.9	76.5	87.2	91.6	80.5	76.0	83.6	84.9
65°	264.6	183.2	59.6	53.4	60.5	71.1	79.1	76.5	75.6	84.5	87.2
67.5°	81.4	60.5	40.5	38.2	41.8	52.5	66.7	82.7	88.9	91.6	92.9
70°	60.9	47.6	34.7	32.5	34.2	40.0	56.5	68.9	64.9	65.4	64.5
72.5°	48.9	37.8	29.8	28.5	28.5	27.6	29.8	37.4	42.2	44.5	44.5
75°	34.2	26.7	22.7	20.9	16.5	13.3	12.0	12.0	10.7	10.2	9.8
77.5°	11.6	9.8	8.9	7.1	4.9	4.0	3.6	3.1	2.2	1.3	0.9
80°	1.8	1.3	0.9	0.9	0.9	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.4	0.4	0.4	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)