

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: P635082

Luminaire Tested: GWS-SA3D-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

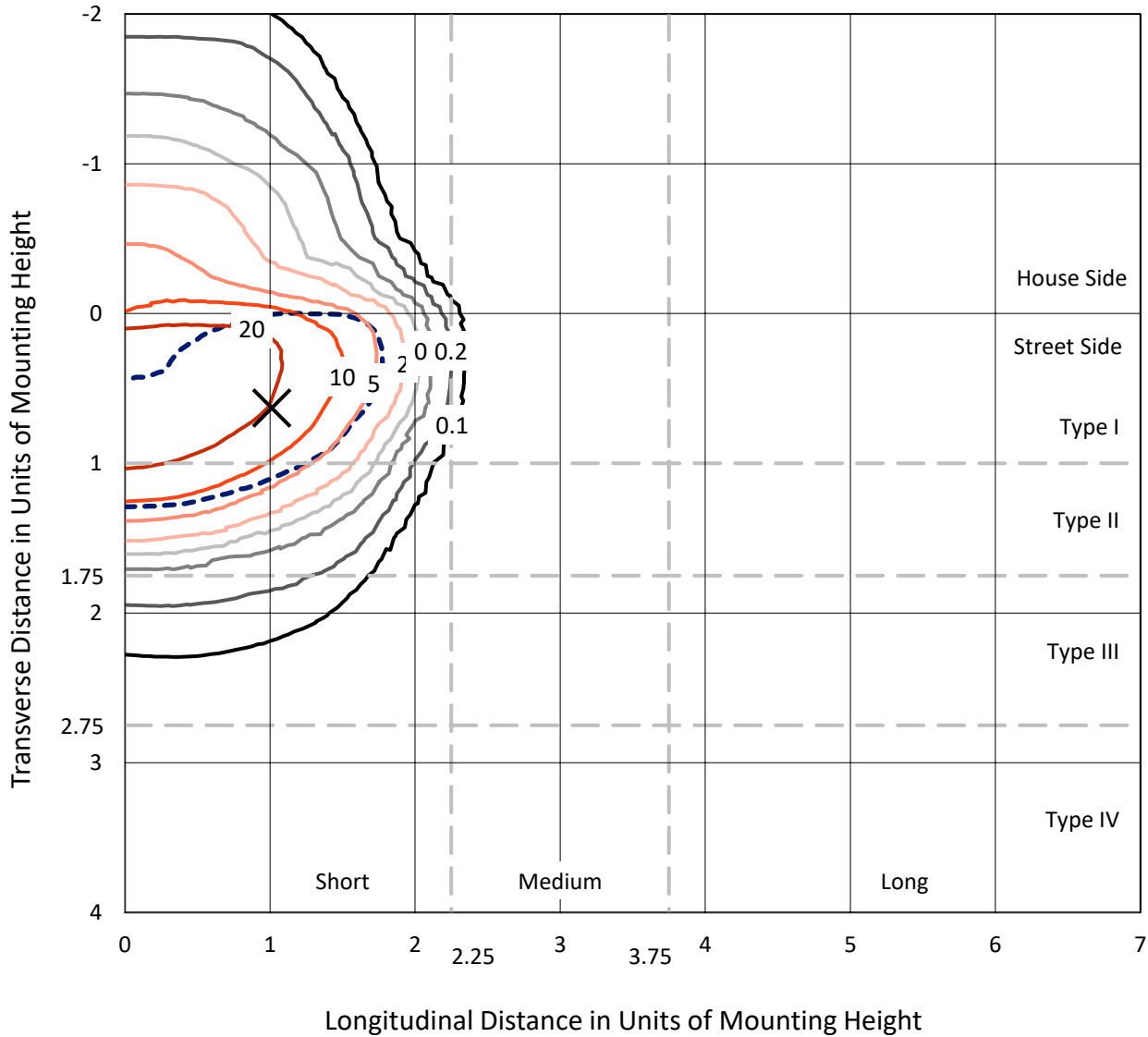
Lumens per Lamp: N/A  
Luminaire Lumens: 8689.5 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

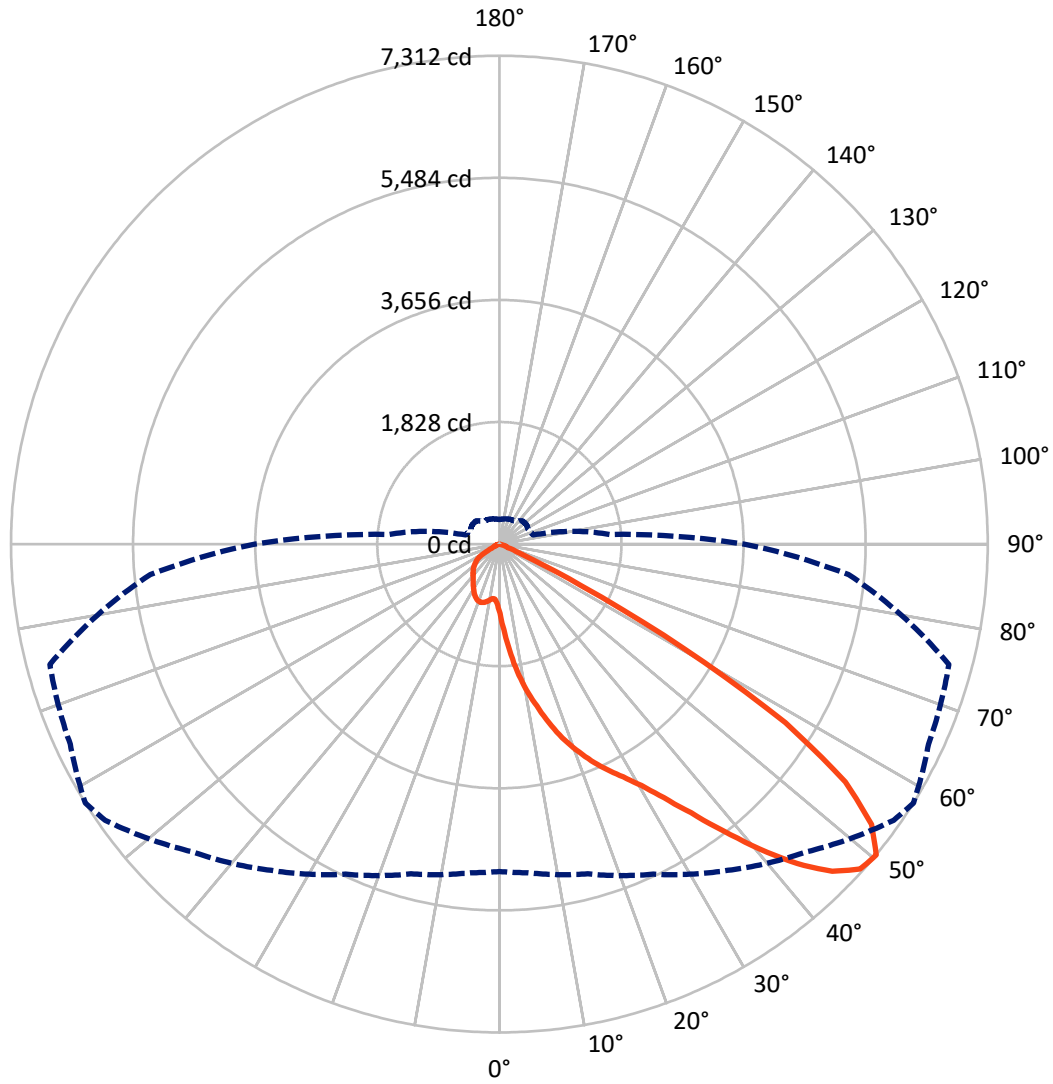
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 31.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1217.1	0.0	1217.1
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	7472.4	0.0	7472.4
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	8689.5	0.0	8689.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.6	1.5
10°-20°	509.0	5.9
20°-30°	1030.0	11.9
30°-40°	1822.3	21.0
40°-50°	2656.5	30.6
50°-60°	2129.2	24.5
60°-70°	383.6	4.4
70°-80°	30.2	0.3
80°-90°	0.0	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°	8689.5	100.0
0°-180°	8689.5	100.0

**Coefficient of Utilization**



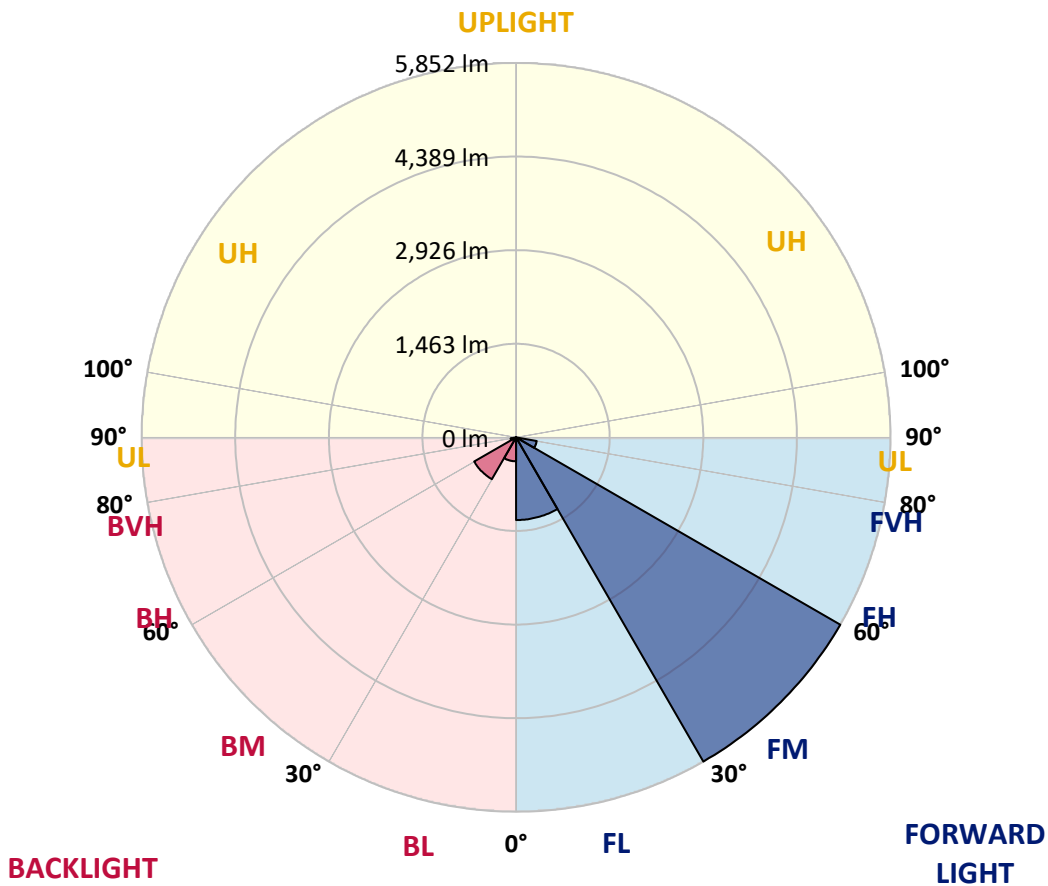
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1293.0	14.9			
FM (30°-60°)	5852.1	67.3			
FH (60°-80°)	327.3	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	374.7	4.3	B1/500		
BM (30°-60°)	755.9	8.7	B1/1000		
BH (60°-80°)	86.5	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	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°	55°	58°	65°	75°	85°
0°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1536.0	1511.9	1497.9	1486.8	1437.5	1359.5	1308.4	1281.4	1236.8	1161.5	1096.5
5°	2004.3	1986.7	1954.2	1931.9	1868.7	1758.1	1643.8	1598.3	1497.0	1326.9	1174.5
7.5°	2314.7	2301.7	2289.6	2259.9	2200.4	2100.1	1973.7	1926.3	1770.2	1528.6	1278.6
10°	2553.5	2543.3	2529.4	2528.4	2482.0	2391.8	2268.2	2219.0	2049.9	1747.9	1401.3
12.5°	2763.5	2755.2	2752.4	2778.4	2748.7	2681.7	2547.9	2486.6	2307.3	1971.8	1536.9
15°	2907.5	2905.7	2917.8	2968.9	2985.6	2954.9	2842.5	2776.5	2570.2	2196.7	1686.5
17.5°	2973.5	2979.1	3002.3	3090.6	3164.9	3191.0	3104.5	3048.8	2831.4	2424.4	1846.4
20°	3086.0	3084.1	3098.0	3181.7	3272.7	3365.7	3339.6	3292.2	3095.3	2665.0	2023.9
22.5°	3402.8	3375.9	3346.1	3359.2	3391.7	3500.4	3548.7	3524.6	3367.5	2912.2	2206.9
25°	3889.7	3861.9	3766.2	3673.2	3611.9	3661.2	3727.1	3739.2	3637.9	3165.9	2398.3
27.5°	4406.4	4381.3	4273.5	4134.1	3958.5	3873.0	3922.3	3946.4	3903.7	3467.9	2601.8
30°	4890.5	4857.1	4739.1	4566.2	4362.7	4231.7	4175.9	4192.7	4217.8	3825.6	2840.6
32.5°	5310.5	5285.4	5144.2	4962.1	4766.0	4629.4	4499.3	4527.2	4588.5	4263.3	3146.4
35°	5666.4	5653.4	5503.8	5322.6	5115.4	5045.7	4934.2	4939.8	5001.1	4792.0	3519.0
37.5°	5975.9	5953.6	5817.9	5649.7	5485.2	5474.1	5443.4	5446.2	5477.8	5408.1	3947.4
40°	6171.0	6150.5	6053.9	5949.8	5832.8	5834.6	5993.5	6005.6	5969.4	6013.0	4399.9
42.5°	6244.4	6229.5	6177.5	6178.4	6166.3	6221.2	6519.5	6541.8	6411.7	6487.9	4786.4
45°	6117.1	6110.6	6114.3	6248.1	6393.1	6562.2	6949.7	6988.7	6804.7	6802.9	5088.4
47.5°	5706.4	5693.4	5802.1	6029.7	6365.2	6694.1	7209.9	7270.3	7079.8	6983.1	5278.0
50°	4901.7	4938.8	5110.7	5452.7	5962.8	6512.9	7207.1	7312.1	7090.0	6967.3	5246.4
52.5°	3550.6	3543.1	3919.5	4389.7	5010.4	5933.1	6824.2	6977.6	6841.9	6812.2	5175.8
55°	1931.9	1999.7	2253.4	2876.0	3650.9	4835.7	5949.8	6284.4	6441.4	6755.5	5303.1
57.5°	709.9	739.7	898.6	1339.0	1932.8	3007.0	4544.8	5049.4	5534.5	6597.5	5281.7
60°	286.2	291.8	355.0	492.5	812.1	1530.4	2726.4	3174.2	3631.4	5050.3	4053.3
62.5°	208.1	215.6	240.7	288.1	410.7	669.0	1175.5	1366.9	1494.2	2501.5	1996.9
65°	168.2	173.8	194.2	215.6	271.3	359.6	379.1	365.2	363.3	646.7	458.1
67.5°	139.4	145.0	159.8	174.7	195.1	179.3	130.1	136.6	111.5	110.6	90.1
70°	102.2	108.7	123.6	139.4	117.1	48.3	75.3	111.5	84.6	70.6	68.8
72.5°	77.1	81.8	95.7	91.1	34.4	18.6	50.2	80.8	65.0	52.0	51.1
75°	57.6	60.4	48.3	14.9	3.7	4.6	18.6	33.5	36.2	29.7	29.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.8	3.7	4.6	5.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1059.3	1020.3	964.5	918.1	882.8	848.4	822.4	796.3	795.4	782.4	779.6
5°	1103.9	1033.3	931.1	857.7	813.1	786.1	767.5	758.2	753.6	749.0	747.1
7.5°	1168.0	1066.8	925.5	847.5	810.3	792.6	779.6	774.0	771.3	767.5	766.6
10°	1247.0	1115.1	946.0	867.0	834.4	817.7	803.8	795.4	790.8	784.3	782.4
12.5°	1341.8	1174.5	978.5	899.5	865.1	842.8	824.2	812.1	805.6	797.3	795.4
15°	1444.0	1238.7	1014.7	929.2	888.3	859.5	836.3	817.7	805.6	795.4	792.6
17.5°	1549.9	1303.7	1047.2	949.7	899.5	865.1	831.7	806.6	791.7	778.7	775.0
20°	1668.9	1370.6	1068.6	953.4	895.8	850.2	811.2	779.6	764.8	747.1	743.4
22.5°	1793.4	1432.9	1077.9	945.0	875.3	822.4	780.6	748.0	726.7	708.1	702.5
25°	1914.2	1488.6	1073.3	921.8	844.7	783.3	740.6	707.1	683.9	665.3	660.7
27.5°	2042.4	1535.1	1056.5	887.4	802.9	740.6	699.7	670.9	649.5	629.1	624.4
30°	2186.5	1577.8	1029.6	845.6	753.6	696.9	665.3	645.8	622.6	601.2	594.7
32.5°	2360.2	1615.9	990.6	795.4	709.9	658.8	641.2	626.3	599.4	577.0	572.4
35°	2559.1	1647.5	941.3	743.4	667.2	634.7	630.9	611.4	576.1	550.1	544.5
37.5°	2789.5	1678.2	882.8	692.3	635.6	623.5	624.4	591.0	548.2	516.6	512.9
40°	3037.6	1708.8	817.7	647.7	606.8	617.0	608.6	561.3	491.6	460.9	457.2
42.5°	3296.0	1742.3	751.7	605.9	582.6	591.9	579.8	501.8	451.6	435.8	433.9
45°	3529.2	1782.3	680.2	564.0	558.5	555.7	535.2	454.4	433.0	421.9	420.9
47.5°	3697.4	1775.8	604.0	524.1	532.4	523.2	460.9	432.1	414.4	399.6	395.9
50°	3666.7	1662.4	525.0	479.5	499.0	490.6	414.4	406.1	390.3	374.5	368.9
52.5°	3588.7	1508.1	456.3	432.1	462.8	443.2	382.8	374.5	360.5	340.1	333.6
55°	3630.5	1363.2	402.4	394.0	425.6	367.0	347.5	334.5	319.7	297.4	294.6
57.5°	3495.7	1112.3	323.4	328.9	376.3	313.1	304.8	284.3	259.3	244.4	242.5
60°	2419.7	597.5	202.6	209.1	272.3	263.0	273.2	254.6	223.9	210.0	207.2
62.5°	1111.4	239.7	110.6	105.9	143.1	178.4	234.2	232.3	194.2	171.9	170.0
65°	269.5	109.6	79.0	74.3	80.8	106.9	152.4	183.1	157.0	131.0	128.2
67.5°	87.3	89.2	72.5	67.8	71.6	79.9	91.1	101.3	100.4	92.0	90.1
70°	69.7	80.8	66.9	61.3	61.3	64.1	61.3	49.2	42.7	46.5	48.3
72.5°	52.0	61.3	53.0	47.4	45.5	44.6	38.1	27.9	19.5	17.7	16.7
75°	30.7	34.4	32.5	27.9	26.0	23.2	18.6	12.1	6.5	4.6	2.8
77.5°	5.6	6.5	7.4	5.6	4.6	3.7	2.8	0.9	0.0	0.0	0.0
80°	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)