

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: P634587

Luminaire Tested: GWS-SA3C-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634587  
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-SA3C-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**

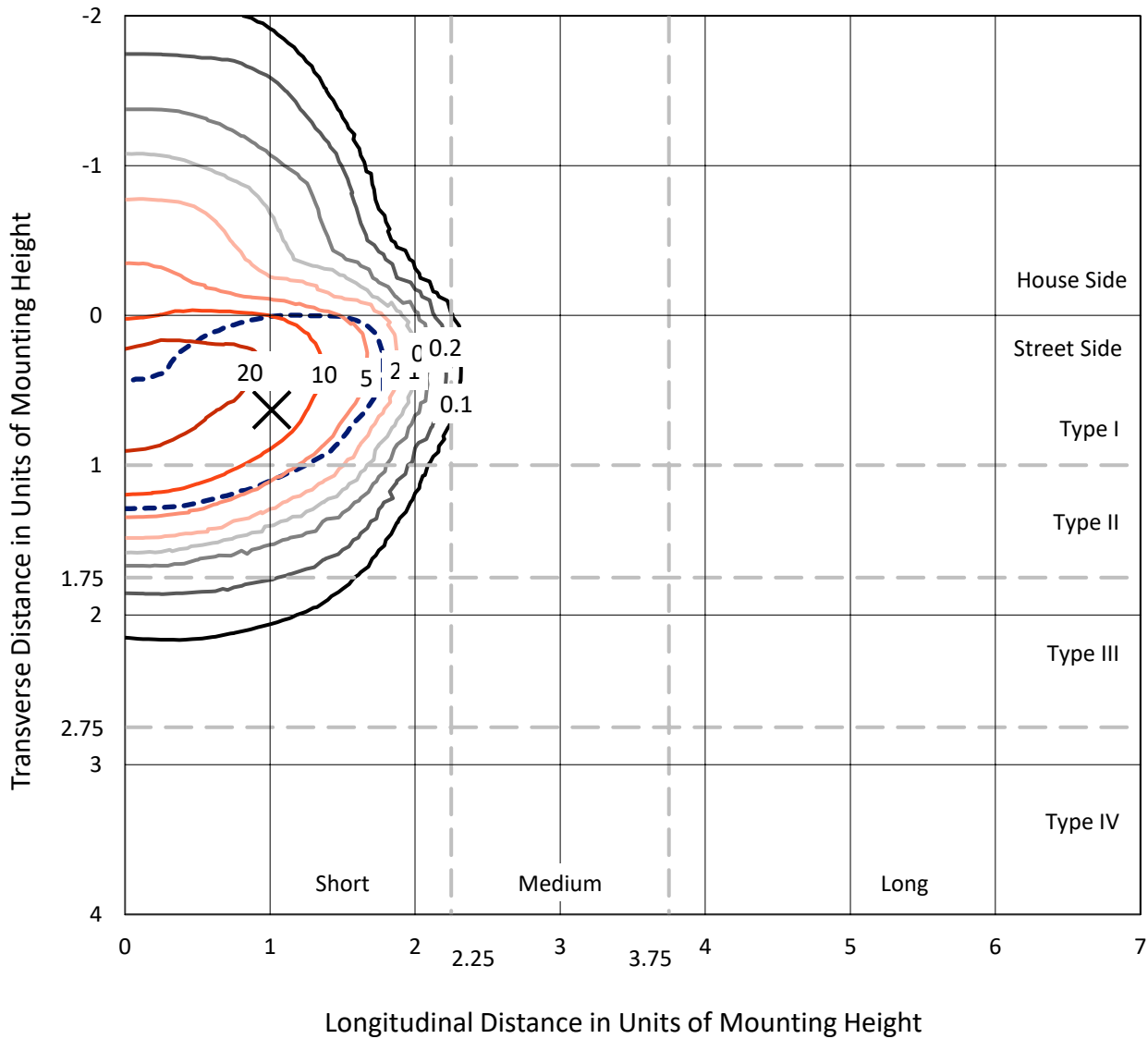
Lumens per Lamp: N/A  
Luminaire Lumens: 6887.9 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

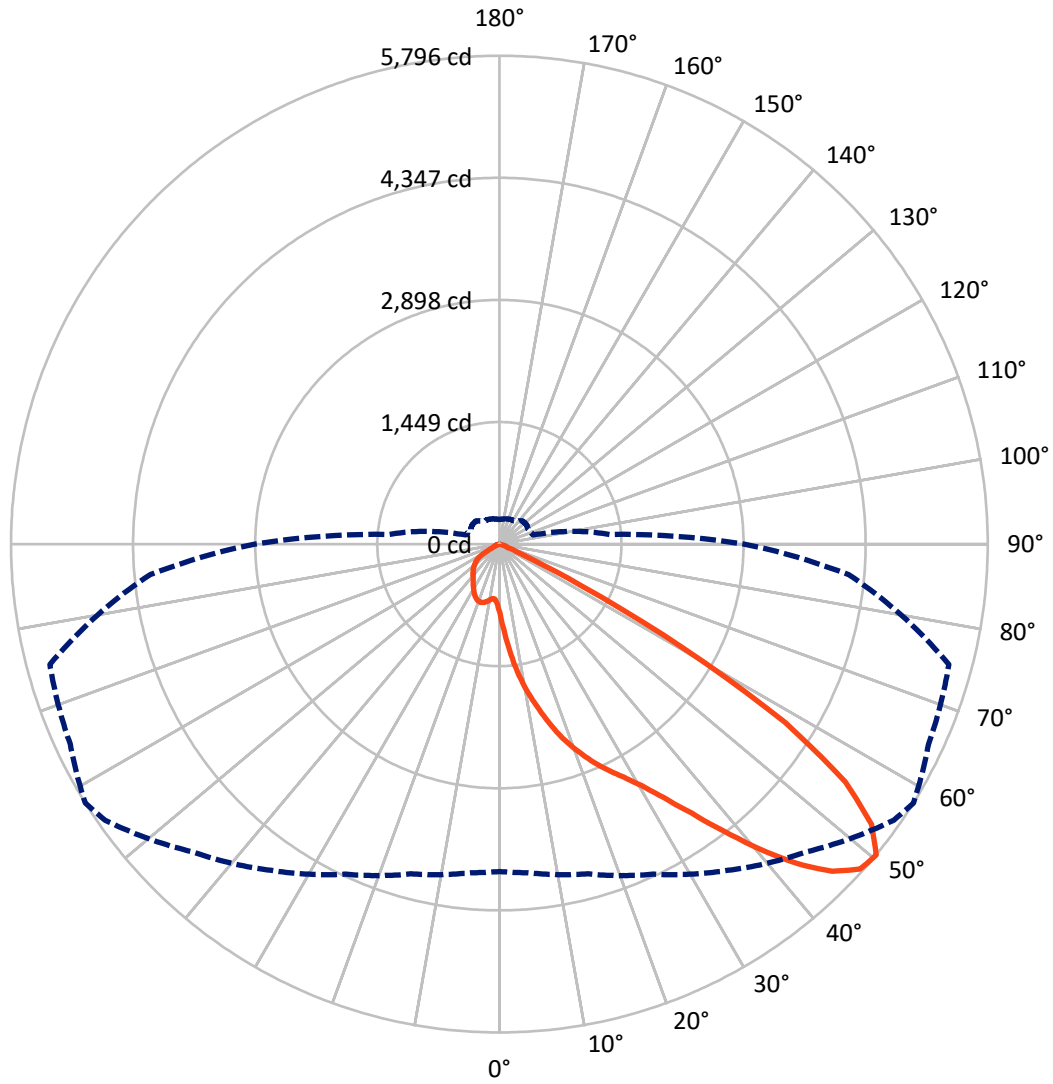
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.3 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	964.7	0.0	964.7
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	5923.2	0.0	5923.2
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	6887.9	0.0	6887.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.9	1.5
10°-20°	403.5	5.9
20°-30°	816.5	11.9
30°-40°	1444.5	21.0
40°-50°	2105.7	30.6
50°-60°	1687.8	24.5
60°-70°	304.1	4.4
70°-80°	24.0	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°	6887.9	100.0
0°-180°	6887.9	100.0

**Coefficient of Utilization**



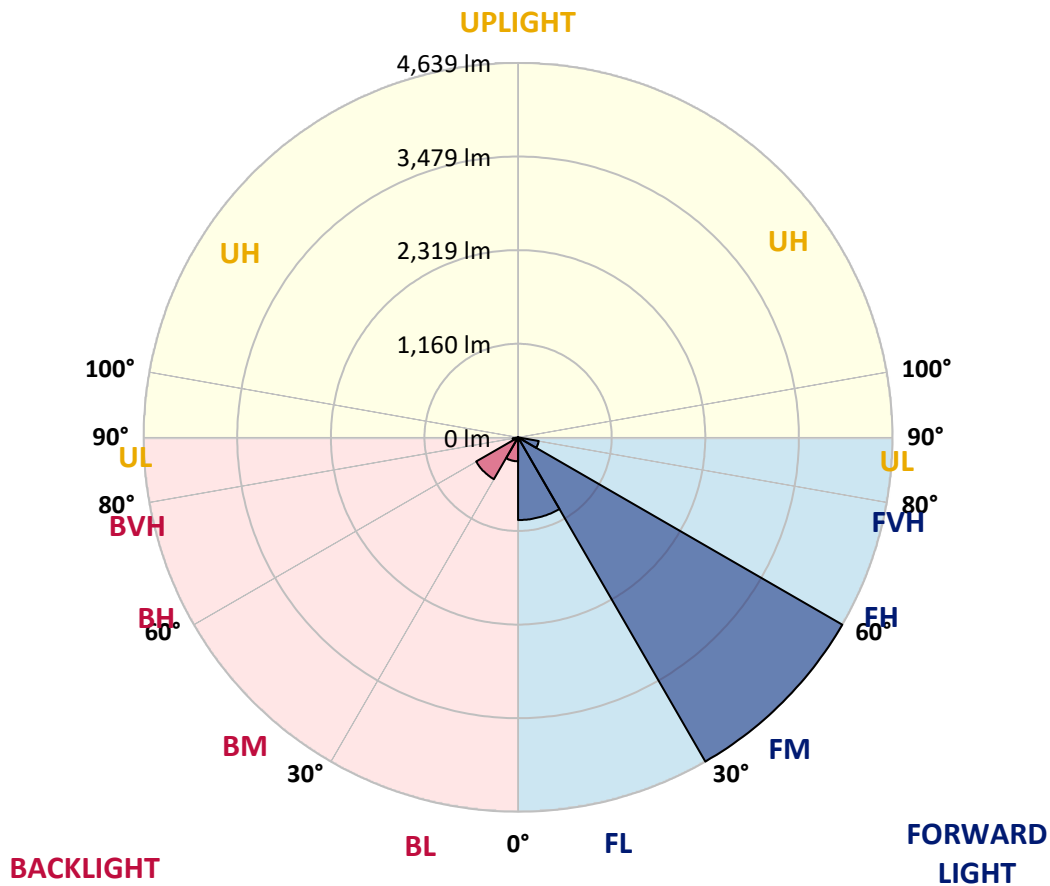
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1024.9	14.9			
FM (30°-60°)	4638.8	67.3			
FH (60°-80°)	259.5	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	297.0	4.3	B1/500		
BM (30°-60°)	599.2	8.7	B1/1000		
BH (60°-80°)	68.6	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°	822.7	822.7	822.7	822.7	822.7	822.7	822.7	822.7	822.7	822.7	822.7
2.5°	1217.5	1198.4	1187.3	1178.5	1139.5	1077.6	1037.1	1015.7	980.4	920.7	869.2
5°	1588.8	1574.8	1549.0	1531.3	1481.2	1393.6	1303.0	1266.9	1186.6	1051.8	931.0
7.5°	1834.8	1824.5	1814.9	1791.3	1744.2	1664.6	1564.5	1526.9	1403.2	1211.7	1013.5
10°	2024.1	2016.0	2004.9	2004.2	1967.4	1895.9	1798.0	1758.9	1624.9	1385.5	1110.7
12.5°	2190.6	2183.9	2181.7	2202.3	2178.8	2125.7	2019.7	1971.1	1828.9	1563.0	1218.3
15°	2304.7	2303.3	2312.8	2353.3	2366.6	2342.3	2253.2	2200.9	2037.4	1741.2	1336.9
17.5°	2357.0	2361.4	2379.9	2449.8	2508.8	2529.4	2460.9	2416.7	2244.3	1921.7	1463.6
20°	2446.1	2444.7	2455.7	2522.0	2594.2	2667.9	2647.2	2609.7	2453.5	2112.5	1604.2
22.5°	2697.3	2676.0	2652.4	2662.7	2688.5	2774.7	2813.0	2793.8	2669.3	2308.4	1749.4
25°	3083.3	3061.2	2985.3	2911.7	2863.0	2902.1	2954.4	2964.0	2883.7	2509.5	1901.1
27.5°	3492.8	3472.9	3387.5	3277.0	3137.8	3070.0	3109.1	3128.2	3094.3	2748.9	2062.4
30°	3876.6	3850.0	3756.5	3619.5	3458.2	3354.3	3310.1	3323.4	3343.3	3032.5	2251.7
32.5°	4209.5	4189.6	4077.6	3933.3	3777.9	3669.6	3566.5	3588.6	3637.2	3379.4	2494.0
35°	4491.6	4481.3	4362.7	4219.1	4054.8	3999.6	3911.2	3915.6	3964.2	3798.5	2789.4
37.5°	4736.9	4719.2	4611.7	4478.3	4348.0	4339.1	4314.8	4317.0	4342.1	4286.8	3128.9
40°	4891.6	4875.4	4798.7	4716.3	4623.4	4624.9	4750.9	4760.4	4731.7	4766.3	3487.7
42.5°	4949.7	4938.0	4896.7	4897.4	4887.9	4931.3	5167.8	5185.4	5082.3	5142.7	3794.1
45°	4848.8	4843.7	4846.6	4952.7	5067.6	5201.7	5508.8	5539.7	5393.9	5392.4	4033.5
47.5°	4523.3	4513.0	4599.1	4779.6	5045.5	5306.2	5715.0	5762.9	5611.9	5535.3	4183.7
50°	3885.4	3914.9	4051.1	4322.2	4726.6	5162.6	5712.8	5796.1	5620.0	5522.8	4158.7
52.5°	2814.4	2808.5	3106.8	3479.6	3971.6	4703.0	5409.4	5530.9	5423.4	5399.8	4102.7
55°	1531.3	1585.1	1786.2	2279.7	2894.0	3833.1	4716.3	4981.4	5105.9	5354.9	4203.6
57.5°	562.7	586.3	712.3	1061.4	1532.1	2383.5	3602.6	4002.5	4387.0	5229.6	4186.7
60°	226.9	231.3	281.4	390.4	643.8	1213.1	2161.1	2516.1	2878.5	4003.3	3212.9
62.5°	165.0	170.9	190.8	228.3	325.6	530.3	931.8	1083.5	1184.4	1982.8	1582.9
65°	133.3	137.7	153.9	170.9	215.1	285.1	300.5	289.5	288.0	512.7	363.1
67.5°	110.5	114.9	126.7	138.5	154.7	142.2	103.1	108.3	88.4	87.7	71.4
70°	81.0	86.2	98.0	110.5	92.8	38.3	59.7	88.4	67.0	56.0	54.5
72.5°	61.1	64.8	75.9	72.2	27.3	14.7	39.8	64.1	51.6	41.2	40.5
75°	45.7	47.9	38.3	11.8	2.9	3.7	14.7	26.5	28.7	23.6	23.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.2	2.9	3.7	4.4
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°	822.7	822.7	822.7	822.7	822.7	822.7	822.7	822.7	822.7	822.7	822.7
2.5°	839.7	808.8	764.6	727.7	699.7	672.5	651.9	631.2	630.5	620.2	618.0
5°	875.0	819.1	738.0	679.9	644.5	623.1	608.4	601.0	597.4	593.7	592.2
7.5°	925.9	845.6	733.6	671.8	642.3	628.3	618.0	613.6	611.4	608.4	607.7
10°	988.5	883.9	749.8	687.2	661.4	648.2	637.1	630.5	626.8	621.7	620.2
12.5°	1063.6	931.0	775.6	713.0	685.7	668.1	653.3	643.8	638.6	632.0	630.5
15°	1144.6	981.8	804.3	736.6	704.2	681.3	662.9	648.2	638.6	630.5	628.3
17.5°	1228.6	1033.4	830.1	752.8	713.0	685.7	659.2	639.3	627.6	617.2	614.3
20°	1322.9	1086.4	847.1	755.7	710.1	674.0	643.0	618.0	606.2	592.2	589.3
22.5°	1421.6	1135.8	854.4	749.1	693.8	651.9	618.7	592.9	576.0	561.3	556.8
25°	1517.3	1180.0	850.7	730.7	669.5	620.9	587.0	560.5	542.1	527.4	523.7
27.5°	1619.0	1216.8	837.5	703.4	636.4	587.0	554.6	531.8	514.9	498.7	495.0
30°	1733.1	1250.7	816.1	670.3	597.4	552.4	527.4	511.9	493.5	476.6	471.4
32.5°	1870.9	1280.9	785.2	630.5	562.7	522.2	508.2	496.4	475.1	457.4	453.7
35°	2028.5	1305.9	746.1	589.3	528.9	503.1	500.1	484.7	456.7	436.0	431.6
37.5°	2211.2	1330.2	699.7	548.7	503.8	494.2	495.0	468.5	434.6	409.5	406.6
40°	2407.8	1354.6	648.2	513.4	481.0	489.1	482.5	444.9	389.6	365.3	362.4
42.5°	2612.6	1381.1	595.9	480.2	461.8	469.2	459.6	397.7	358.0	345.5	344.0
45°	2797.5	1412.7	539.2	447.1	442.7	440.5	424.3	360.2	343.2	334.4	333.7
47.5°	2930.8	1407.6	478.8	415.4	422.1	414.7	365.3	342.5	328.5	316.7	313.8
50°	2906.5	1317.7	416.2	380.1	395.5	388.9	328.5	321.9	309.4	296.8	292.4
52.5°	2844.6	1195.5	361.7	342.5	366.8	351.3	303.5	296.8	285.8	269.6	264.4
55°	2877.8	1080.5	318.9	312.3	337.3	290.9	275.5	265.2	253.4	235.7	233.5
57.5°	2771.0	881.7	256.3	260.7	298.3	248.2	241.6	225.4	205.5	193.7	192.2
60°	1918.0	473.6	160.6	165.7	215.8	208.4	216.6	201.8	177.5	166.5	164.3
62.5°	880.9	190.0	87.7	84.0	113.4	141.4	185.6	184.1	153.9	136.3	134.8
65°	213.6	86.9	62.6	58.9	64.1	84.7	120.8	145.1	124.5	103.9	101.6
67.5°	69.2	70.7	57.5	53.8	56.7	63.3	72.2	80.3	79.5	72.9	71.4
70°	55.2	64.1	53.0	48.6	48.6	50.8	48.6	39.0	33.9	36.8	38.3
72.5°	41.2	48.6	42.0	37.6	36.1	35.4	30.2	22.1	15.5	14.0	13.3
75°	24.3	27.3	25.8	22.1	20.6	18.4	14.7	9.6	5.2	3.7	2.2
77.5°	4.4	5.2	5.9	4.4	3.7	2.9	2.2	0.7	0.0	0.0	0.0
80°	0.0	0.7	0.7	0.7	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)