

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: P641517

Luminaire Tested: GWS-SA6B-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641517  
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-SA6B-722-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

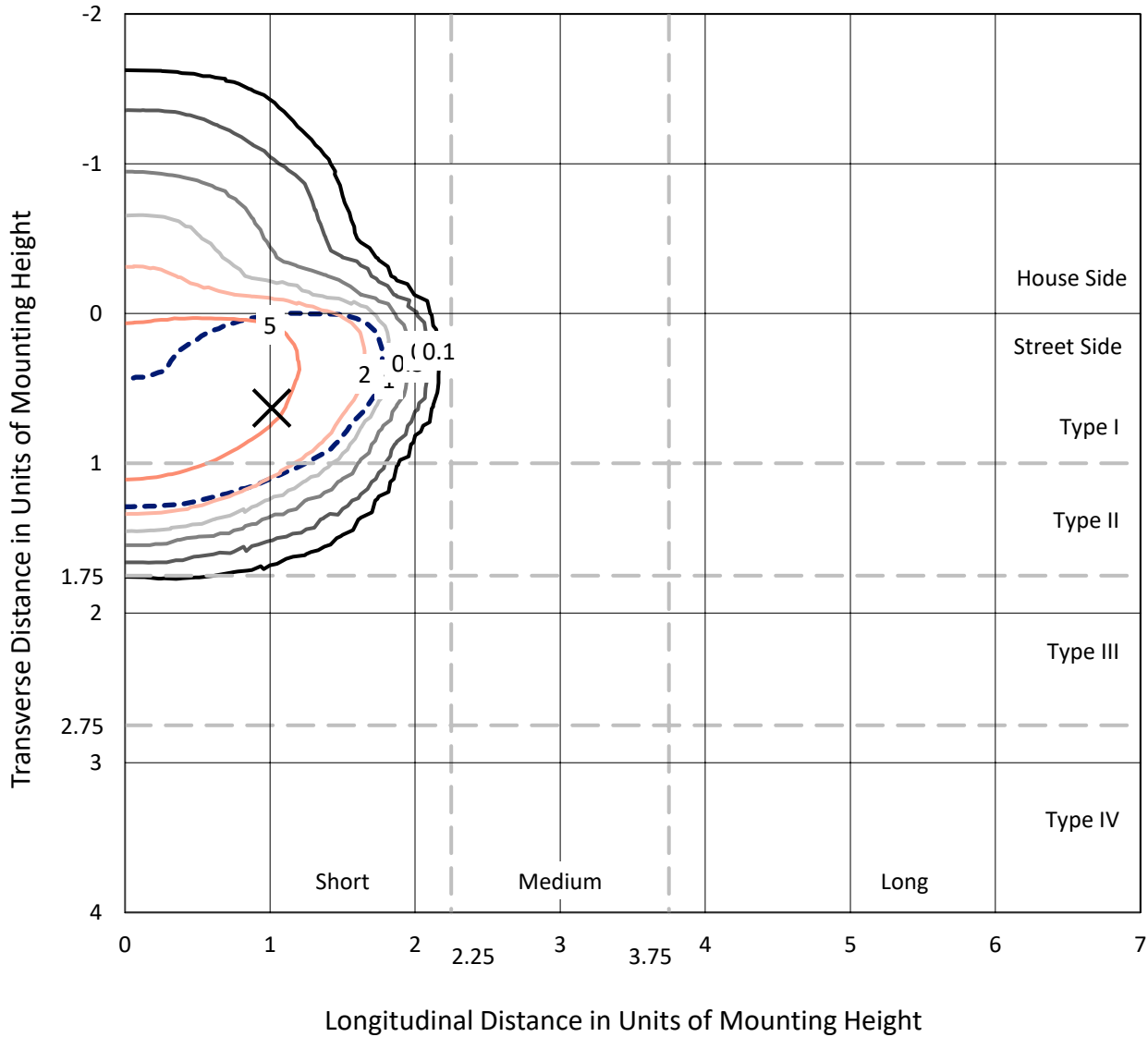
Lumens per Lamp: N/A  
Luminaire Lumens: 10454.5 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

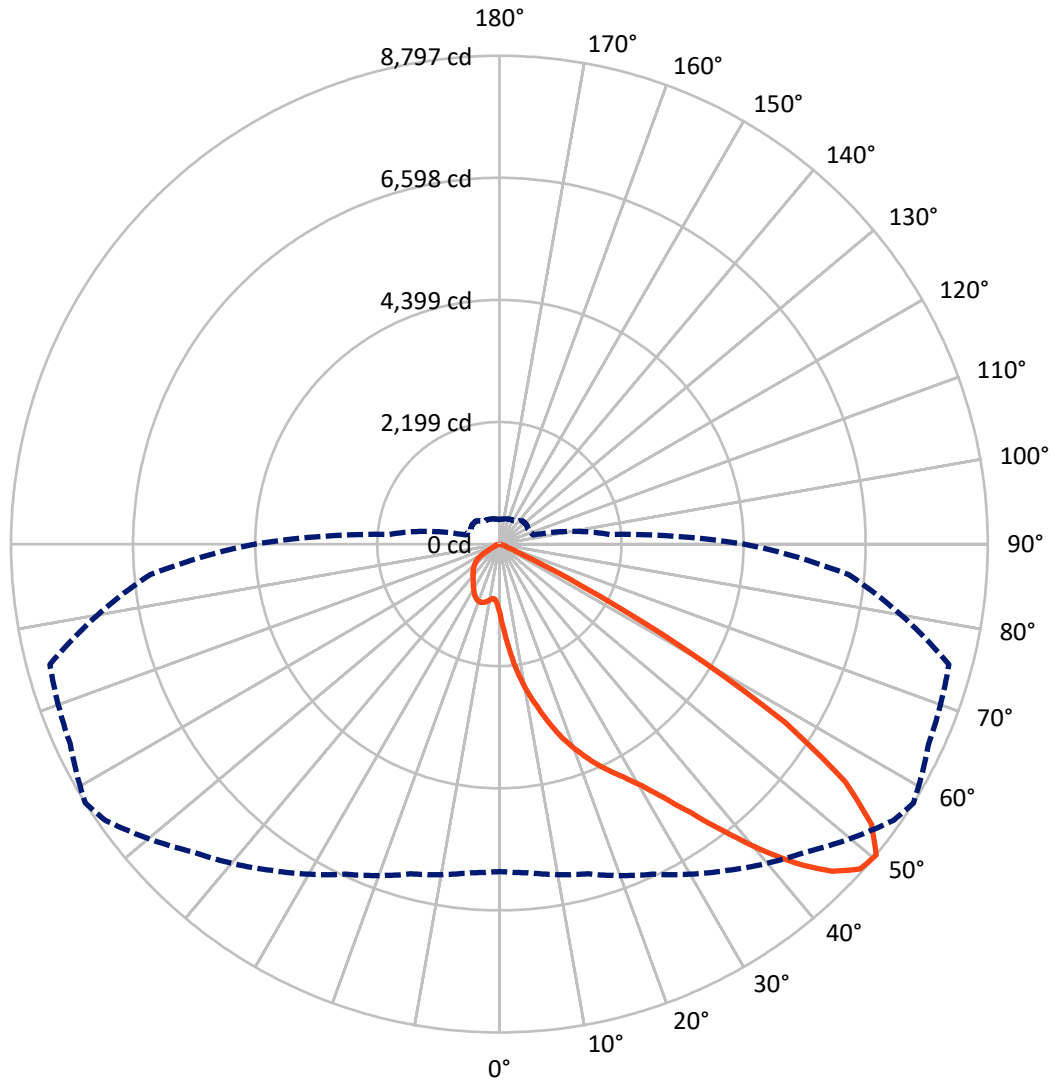
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.6 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	1464.3	0.0	1464.3
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	8990.2	0.0	8990.2
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	10454.5	0.0	10454.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.7	1.5
10°-20°	612.4	5.9
20°-30°	1239.3	11.9
30°-40°	2192.4	21.0
40°-50°	3196.1	30.6
50°-60°	2561.7	24.5
60°-70°	461.5	4.4
70°-80°	36.4	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°	10454.5	100.0
0°-180°	10454.5	100.0

**Coefficient of Utilization**



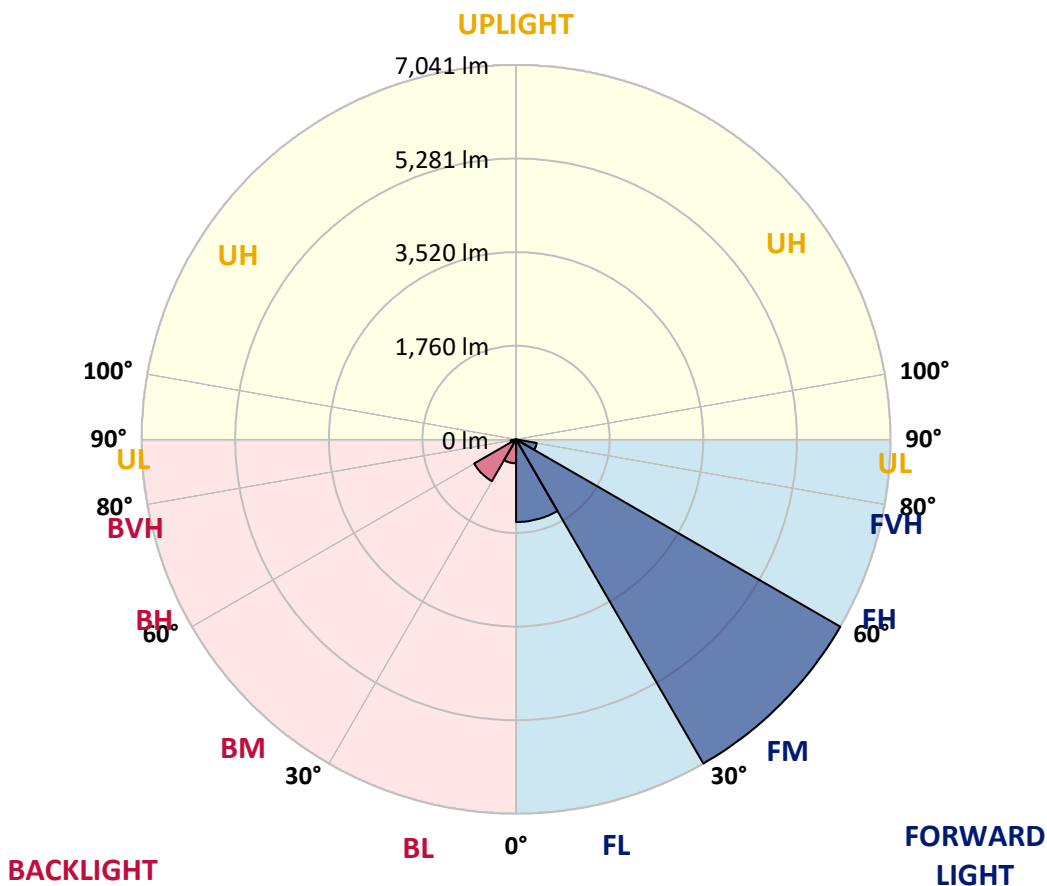
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1555.6	14.9			
FM (30°-60°)	7040.8	67.3			
FH (60°-80°)	393.8	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	450.8	4.3	B1/500		
BM (30°-60°)	909.4	8.7	B1/1000		
BH (60°-80°)	104.1	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°	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8
2.5°	1848.0	1818.9	1802.2	1788.8	1729.5	1635.6	1574.1	1541.7	1488.0	1397.5	1319.2
5°	2411.5	2390.2	2351.1	2324.3	2248.2	2115.2	1977.7	1922.9	1801.0	1596.5	1413.1
7.5°	2784.9	2769.2	2754.7	2718.9	2647.4	2526.6	2374.6	2317.6	2129.7	1839.1	1538.3
10°	3072.2	3059.9	3043.1	3042.0	2986.1	2877.7	2729.0	2669.7	2466.2	2102.9	1685.9
12.5°	3324.8	3314.8	3311.4	3342.7	3307.0	3226.5	3065.5	2991.7	2775.9	2372.3	1849.1
15°	3498.1	3495.9	3510.4	3571.9	3592.0	3555.1	3419.9	3340.5	3092.3	2642.9	2029.1
17.5°	3577.5	3584.2	3612.2	3718.4	3807.8	3839.1	3735.1	3668.1	3406.5	2916.8	2221.4
20°	3712.8	3710.5	3727.3	3827.9	3937.5	4049.3	4018.0	3961.0	3724.0	3206.3	2434.9
22.5°	4094.0	4061.6	4025.8	4041.5	4080.6	4211.4	4269.5	4240.5	4051.5	3503.7	2655.2
25°	4679.8	4646.3	4531.1	4419.3	4345.5	4404.8	4484.2	4498.7	4376.9	3808.9	2885.5
27.5°	5301.4	5271.2	5141.5	4973.8	4762.6	4659.7	4718.9	4748.0	4696.6	4172.3	3130.3
30°	5883.9	5843.6	5701.6	5493.7	5248.9	5091.2	5024.2	5044.3	5074.5	4602.7	3417.6
32.5°	6389.2	6359.0	6189.1	5970.0	5734.1	5569.7	5413.2	5446.7	5520.5	5129.2	3785.4
35°	6817.4	6801.7	6621.7	6403.7	6154.4	6070.6	5936.4	5943.1	6016.9	5765.4	4233.8
37.5°	7189.7	7162.8	6999.6	6797.3	6599.4	6586.0	6549.1	6552.4	6590.4	6506.6	4749.1
40°	7424.4	7399.8	7283.6	7158.4	7017.5	7019.7	7210.9	7225.4	7181.8	7234.4	5293.6
42.5°	7512.8	7494.9	7432.3	7433.4	7418.8	7484.8	7843.7	7870.5	7714.0	7805.7	5758.7
45°	7359.6	7351.8	7356.2	7517.2	7691.6	7895.1	8361.3	8408.2	8186.9	8184.7	6122.0
47.5°	6865.5	6849.8	6980.6	7254.5	7658.1	8053.9	8674.3	8747.0	8517.8	8401.5	6350.1
50°	5897.3	5942.0	6148.8	6560.2	7174.0	7835.8	8671.0	8797.3	8530.1	8382.5	6312.1
52.5°	4271.8	4262.8	4715.6	5281.3	6028.1	7138.2	8210.4	8394.8	8231.6	8195.8	6227.1
55°	2324.3	2405.9	2711.1	3460.1	4392.5	5817.9	7158.4	7560.8	7749.8	8127.6	6380.3
57.5°	854.1	889.9	1081.1	1611.0	2325.4	3617.7	5468.0	6075.0	6658.6	7937.6	6354.5
60°	344.3	351.0	427.1	592.5	977.1	1841.3	3280.1	3819.0	4369.0	6076.2	4876.6
62.5°	250.4	259.4	289.6	346.6	494.1	804.9	1414.2	1644.5	1797.7	3009.6	2402.5
65°	202.4	209.1	233.7	259.4	326.4	432.7	456.1	439.4	437.1	778.1	551.2
67.5°	167.7	174.4	192.3	210.2	234.8	215.8	156.5	164.3	134.2	133.0	108.4
70°	123.0	130.8	148.7	167.7	140.9	58.1	90.6	134.2	101.7	85.0	82.7
72.5°	92.8	98.4	115.2	109.6	41.4	22.4	60.4	97.3	78.3	62.6	61.5
75°	69.3	72.7	58.1	17.9	4.5	5.6	22.4	40.2	43.6	35.8	35.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.4	4.5	5.6	6.7
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°	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8	1248.8
2.5°	1274.5	1227.5	1160.5	1104.6	1062.1	1020.7	989.4	958.1	957.0	941.3	938.0
5°	1328.1	1243.2	1120.2	1031.9	978.2	945.8	923.4	912.3	906.7	901.1	898.8
7.5°	1405.3	1283.4	1113.5	1019.6	974.9	953.6	938.0	931.3	927.9	923.4	922.3
10°	1500.3	1341.6	1138.1	1043.1	1003.9	983.8	967.0	957.0	951.4	943.6	941.3
12.5°	1614.3	1413.1	1177.2	1082.2	1040.8	1014.0	991.6	977.1	969.3	959.2	957.0
15°	1737.3	1490.3	1220.8	1118.0	1068.8	1034.1	1006.2	983.8	969.3	957.0	953.6
17.5°	1864.8	1568.5	1260.0	1142.6	1082.2	1040.8	1000.6	970.4	952.5	936.9	932.4
20°	2007.9	1649.0	1285.7	1147.0	1077.7	1022.9	976.0	938.0	920.1	898.8	894.4
22.5°	2157.7	1723.9	1296.8	1137.0	1053.1	989.4	939.1	900.0	874.3	851.9	845.2
25°	2303.0	1791.0	1291.3	1109.0	1016.2	942.4	891.0	850.8	822.8	800.5	794.9
27.5°	2457.3	1846.9	1271.1	1067.7	965.9	891.0	841.8	807.2	781.5	756.9	751.3
30°	2630.6	1898.3	1238.7	1017.4	906.7	838.5	800.5	777.0	749.0	723.3	715.5
32.5°	2839.6	1944.1	1191.8	957.0	854.1	792.6	771.4	753.5	721.1	694.3	688.7
35°	3078.9	1982.2	1132.5	894.4	802.7	763.6	759.1	735.6	693.1	661.8	655.1
37.5°	3356.1	2019.1	1062.1	832.9	764.7	750.2	751.3	711.0	659.6	621.6	617.1
40°	3654.6	2055.9	983.8	779.2	730.0	742.3	732.3	675.3	591.4	554.5	550.0
42.5°	3965.4	2096.2	904.4	728.9	701.0	712.1	697.6	603.7	543.3	524.3	522.1
45°	4246.0	2144.3	818.4	678.6	671.9	668.5	644.0	546.7	521.0	507.6	506.4
47.5°	4448.4	2136.4	726.7	630.5	640.6	629.4	554.5	519.9	498.6	480.7	476.3
50°	4411.5	2000.0	631.7	576.9	600.3	590.3	498.6	488.6	469.5	450.5	443.8
52.5°	4317.6	1814.5	548.9	519.9	556.7	533.3	460.6	450.5	433.8	409.2	401.4
55°	4367.9	1640.1	484.1	474.0	512.0	441.6	418.1	402.5	384.6	357.8	354.4
57.5°	4205.8	1338.2	389.1	395.8	452.8	376.8	366.7	342.1	311.9	294.0	291.8
60°	2911.2	718.9	243.7	251.5	327.6	316.4	328.7	306.3	269.4	252.7	249.3
62.5°	1337.1	288.4	133.0	127.4	172.2	214.7	281.7	279.5	233.7	206.8	204.6
65°	324.2	131.9	95.0	89.4	97.3	128.6	183.3	220.2	188.9	157.6	154.3
67.5°	105.1	107.3	87.2	81.6	86.1	96.1	109.6	121.9	120.7	110.7	108.4
70°	83.8	97.3	80.5	73.8	73.8	77.1	73.8	59.3	51.4	55.9	58.1
72.5°	62.6	73.8	63.7	57.0	54.8	53.7	45.8	33.5	23.5	21.2	20.1
75°	36.9	41.4	39.1	33.5	31.3	27.9	22.4	14.5	7.8	5.6	3.4
77.5°	6.7	7.8	8.9	6.7	5.6	4.5	3.4	1.1	0.0	0.0	0.0
80°	0.0	1.1	1.1	1.1	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)