

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: P633083

Luminaire Tested: GWS-SA2E-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6286.3 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

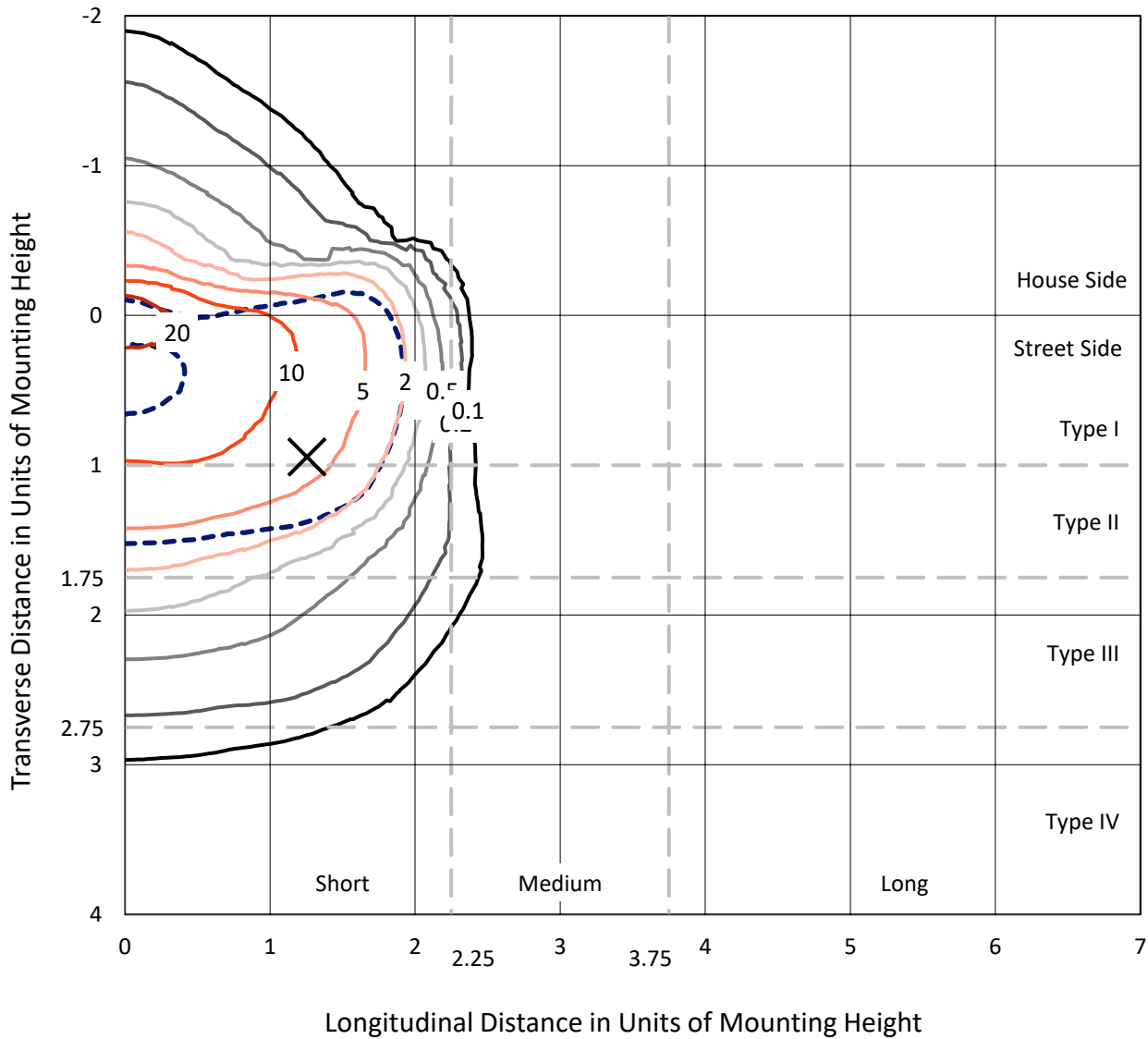
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

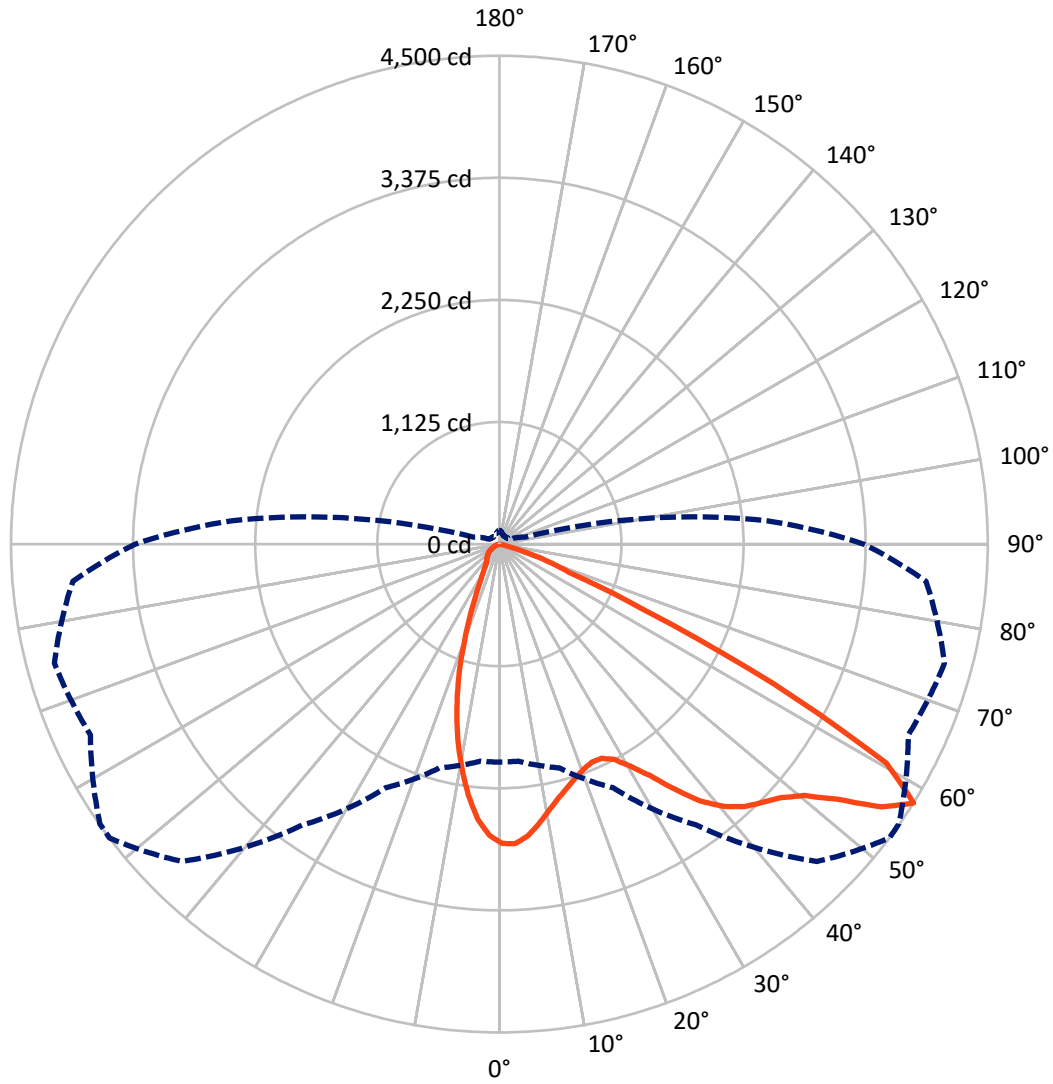
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1038.4	0.0	1038.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5247.9	0.0	5247.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	6286.3	0.0	6286.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.9	3.8
10°-20°	517.9	8.2
20°-30°	674.8	10.7
30°-40°	978.7	15.6
40°-50°	1412.3	22.5
50°-60°	1708.0	27.2
60°-70°	696.1	11.1
70°-80°	62.5	1.0
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°	6286.3	100.0
0°-180°	6286.3	100.0

Coefficient of Utilization



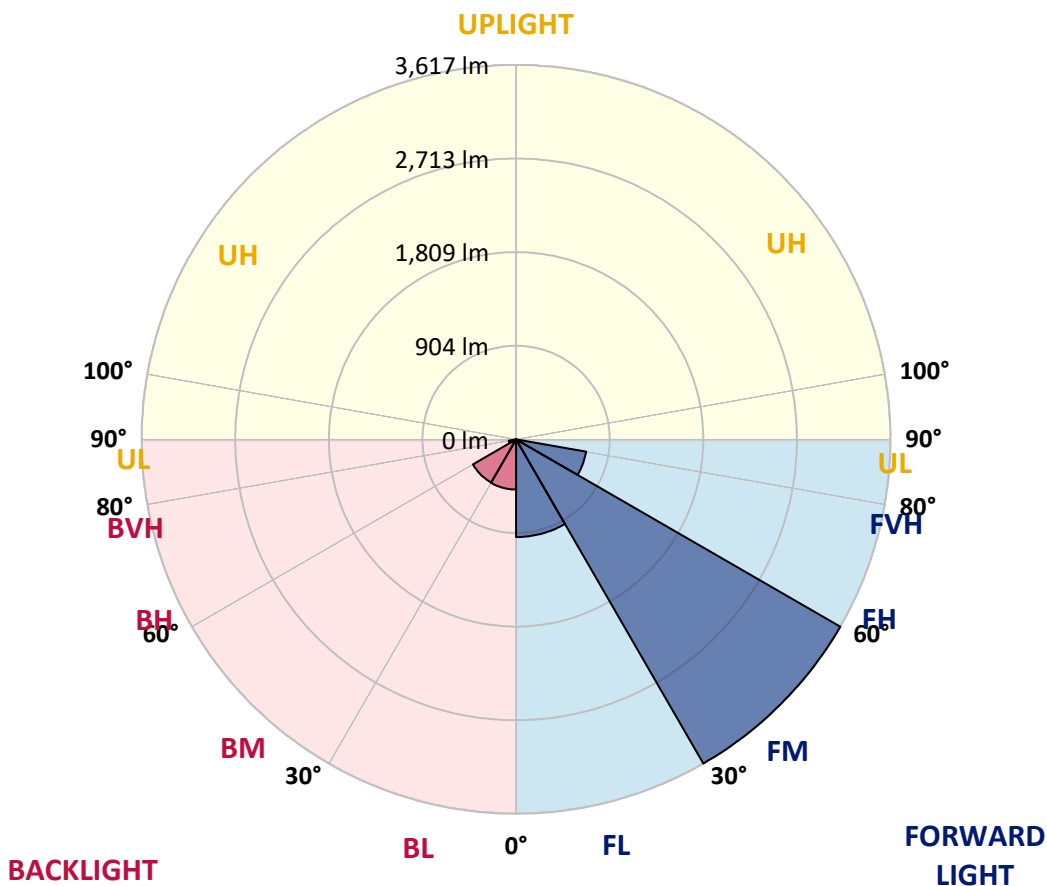
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	944.0	15.0			
FM (30°-60°)	3617.0	57.5			
FH (60°-80°)	686.9	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	484.6	7.7	B1/500		
BM (30°-60°)	482.0	7.7	B1/1000		
BH (60°-80°)	71.8	1.1	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5
2.5°	2719.0	2725.2	2736.0	2749.8	2759.1	2763.7	2763.7	2776.8	2768.3	2761.4	2753.7
5°	2602.7	2608.8	2623.5	2645.8	2668.2	2684.3	2702.8	2716.7	2722.1	2722.1	2709.0
7.5°	2438.6	2447.0	2456.3	2487.1	2535.6	2571.8	2603.4	2623.5	2652.7	2662.0	2643.5
10°	2262.1	2270.6	2291.4	2333.8	2389.2	2443.2	2497.1	2522.5	2572.6	2598.8	2578.0
12.5°	2112.6	2116.5	2144.2	2195.1	2266.0	2339.9	2405.4	2431.6	2502.5	2541.8	2517.1
15°	1989.4	1991.7	2019.4	2075.7	2157.3	2248.2	2330.7	2357.7	2444.7	2504.0	2467.1
17.5°	1896.1	1896.9	1920.8	1981.7	2067.2	2168.1	2266.0	2299.1	2411.6	2483.2	2427.8
20°	1849.1	1846.8	1863.8	1916.9	1997.8	2098.8	2214.3	2255.2	2393.1	2480.2	2397.7
22.5°	1849.9	1844.5	1851.5	1889.2	1957.8	2052.5	2182.0	2228.2	2394.6	2493.3	2372.3
25°	1893.8	1886.1	1887.7	1907.7	1956.2	2042.5	2186.6	2235.9	2425.5	2537.2	2363.0
27.5°	1967.8	1959.3	1959.3	1969.3	1995.5	2074.1	2244.4	2300.6	2507.9	2622.7	2382.3
30°	2063.3	2054.9	2051.8	2061.8	2083.4	2155.8	2373.1	2431.6	2648.9	2762.9	2443.9
32.5°	2172.7	2162.7	2168.1	2182.0	2202.8	2302.9	2538.7	2616.5	2825.3	2951.7	2554.9
35°	2288.3	2279.8	2304.5	2334.5	2366.9	2507.1	2767.5	2835.3	3041.8	3186.7	2724.4
37.5°	2398.5	2394.6	2446.3	2509.4	2576.5	2752.1	3000.2	3052.6	3227.5	3442.5	2931.7
40°	2508.7	2507.9	2596.5	2707.4	2814.5	2996.4	3176.7	3219.8	3340.8	3641.3	3130.4
42.5°	2631.9	2631.9	2754.4	2902.4	3044.9	3202.9	3306.1	3325.4	3391.6	3756.1	3279.9
45°	2749.8	2756.8	2898.5	3070.3	3239.1	3363.9	3395.5	3397.0	3412.4	3823.9	3404.0
47.5°	2843.1	2849.2	3018.7	3216.7	3398.6	3486.4	3491.0	3484.1	3467.1	3888.6	3499.5
50°	2918.6	2927.8	3105.0	3314.6	3508.0	3604.3	3639.7	3632.8	3589.6	3957.9	3566.5
52.5°	2955.5	2968.6	3135.1	3363.1	3629.7	3806.1	3904.8	3920.9	3773.0	3996.5	3630.5
55°	2659.7	2678.9	2832.3	3144.3	3697.5	4118.2	4273.1	4270.0	3971.8	4111.3	3786.1
57.5°	2008.6	2007.1	2134.2	2475.5	3158.2	4135.9	4499.6	4493.4	4157.5	4244.5	3945.6
60°	1367.6	1358.3	1392.2	1557.1	2208.2	3369.3	4095.1	4178.3	4025.7	3920.9	3350.0
62.5°	1125.7	1117.2	1106.4	1060.9	1268.2	2098.8	2829.2	2955.5	2935.5	2725.2	2101.1
65°	921.5	928.4	958.5	939.2	882.2	1076.4	1468.5	1543.3	1410.7	1187.3	734.3
67.5°	679.6	682.6	721.9	823.6	792.8	716.5	691.1	703.4	412.2	189.5	122.5
70°	401.4	403.7	439.9	576.3	643.3	550.1	466.9	460.0	163.3	50.9	55.5
72.5°	227.3	222.7	229.6	274.3	350.6	292.0	240.4	218.8	49.3	28.5	28.5
75°	107.9	104.8	90.1	84.8	77.0	49.3	30.8	26.2	12.3	11.6	11.6
77.5°	0.8	2.3	1.5	2.3	2.3	1.5	0.8	0.8	2.3	2.3	3.1
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°	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5	2757.5
2.5°	2739.8	2716.7	2711.3	2709.8	2688.2	2665.1	2641.2	2631.9	2618.1	2609.6	2616.5
5°	2688.2	2655.1	2625.8	2598.8	2551.0	2498.6	2453.2	2423.9	2396.2	2377.7	2382.3
7.5°	2615.0	2571.8	2504.8	2436.2	2348.4	2269.8	2182.0	2128.1	2078.0	2050.2	2063.3
10°	2537.2	2480.2	2373.1	2256.7	2118.8	1995.5	1869.9	1767.5	1708.1	1651.9	1658.1
12.5°	2460.9	2385.4	2225.1	2048.7	1874.6	1692.7	1503.2	1361.4	1264.3	1194.2	1183.4
15°	2390.0	2292.9	2081.1	1848.4	1611.1	1369.1	1127.2	924.6	812.1	742.7	738.1
17.5°	2326.8	2206.6	1931.6	1638.8	1341.4	1031.7	753.5	601.7	537.0	507.0	503.9
20°	2266.0	2119.6	1779.0	1426.1	1047.1	724.2	520.1	450.0	429.2	416.8	418.4
22.5°	2207.4	2024.8	1618.8	1190.4	785.1	508.5	403.0	376.0	373.7	375.2	376.0
25°	2158.1	1937.7	1453.9	963.1	560.1	387.5	336.7	329.0	335.9	345.9	347.5
27.5°	2132.7	1866.9	1292.9	734.3	405.3	315.1	292.0	295.1	307.4	318.2	319.7
30°	2139.6	1813.7	1126.4	532.4	312.0	265.8	258.1	264.3	276.6	286.6	288.2
32.5°	2188.9	1786.7	956.2	387.5	256.6	231.9	228.8	233.5	244.2	251.9	252.7
35°	2286.8	1792.9	794.4	296.6	220.4	206.5	205.7	208.8	214.2	219.6	220.4
37.5°	2430.8	1843.0	634.9	246.6	199.6	189.5	186.5	186.5	190.3	192.6	194.2
40°	2585.7	1918.5	508.5	218.0	184.9	174.1	168.0	165.7	168.7	171.8	172.6
42.5°	2713.6	1994.0	413.0	198.0	173.4	158.7	151.0	149.5	153.3	158.7	160.3
45°	2811.5	2052.5	344.4	181.8	160.3	144.1	135.6	135.6	142.5	151.8	153.3
47.5°	2900.8	2099.5	293.6	167.2	147.9	131.0	122.5	124.0	135.6	147.9	150.2
50°	2961.7	2137.3	255.8	154.1	137.9	120.2	112.5	115.6	129.4	144.1	146.4
52.5°	3027.2	2183.5	231.1	142.5	128.7	111.7	104.8	107.1	122.5	138.7	141.8
55°	3208.3	2338.4	230.4	127.1	112.5	100.2	97.1	97.9	113.3	131.8	135.6
57.5°	3356.2	2474.8	245.8	107.1	94.0	87.8	86.3	87.1	100.9	121.7	126.4
60°	2776.8	1923.1	203.4	88.6	78.6	77.0	74.7	76.3	89.4	107.9	111.7
62.5°	1643.4	1099.5	97.1	67.8	67.0	65.5	63.2	66.3	78.6	94.8	97.1
65°	561.7	325.9	61.6	55.5	57.0	54.7	52.4	55.5	66.3	75.5	76.3
67.5°	107.9	86.3	49.3	46.2	47.0	42.4	41.6	44.7	50.9	52.4	51.6
70°	56.2	50.1	37.8	37.8	36.2	30.0	30.0	33.1	33.1	30.8	30.0
72.5°	29.3	27.7	24.7	27.7	23.1	18.5	18.5	20.0	18.5	15.4	15.4
75°	11.6	11.6	10.8	13.9	10.0	8.5	7.7	9.2	6.9	5.4	5.4
77.5°	3.1	3.1	3.1	3.9	2.3	2.3	1.5	1.5	0.8	0.0	0.0
80°	0.0	0.8	0.0	0.8	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)