

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: P634568

Luminaire Tested: GWS-SA3C-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634568
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-SA3C-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR 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: 6009.9 lumens
Efficiency: N/A
Efficacy: 64.6 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

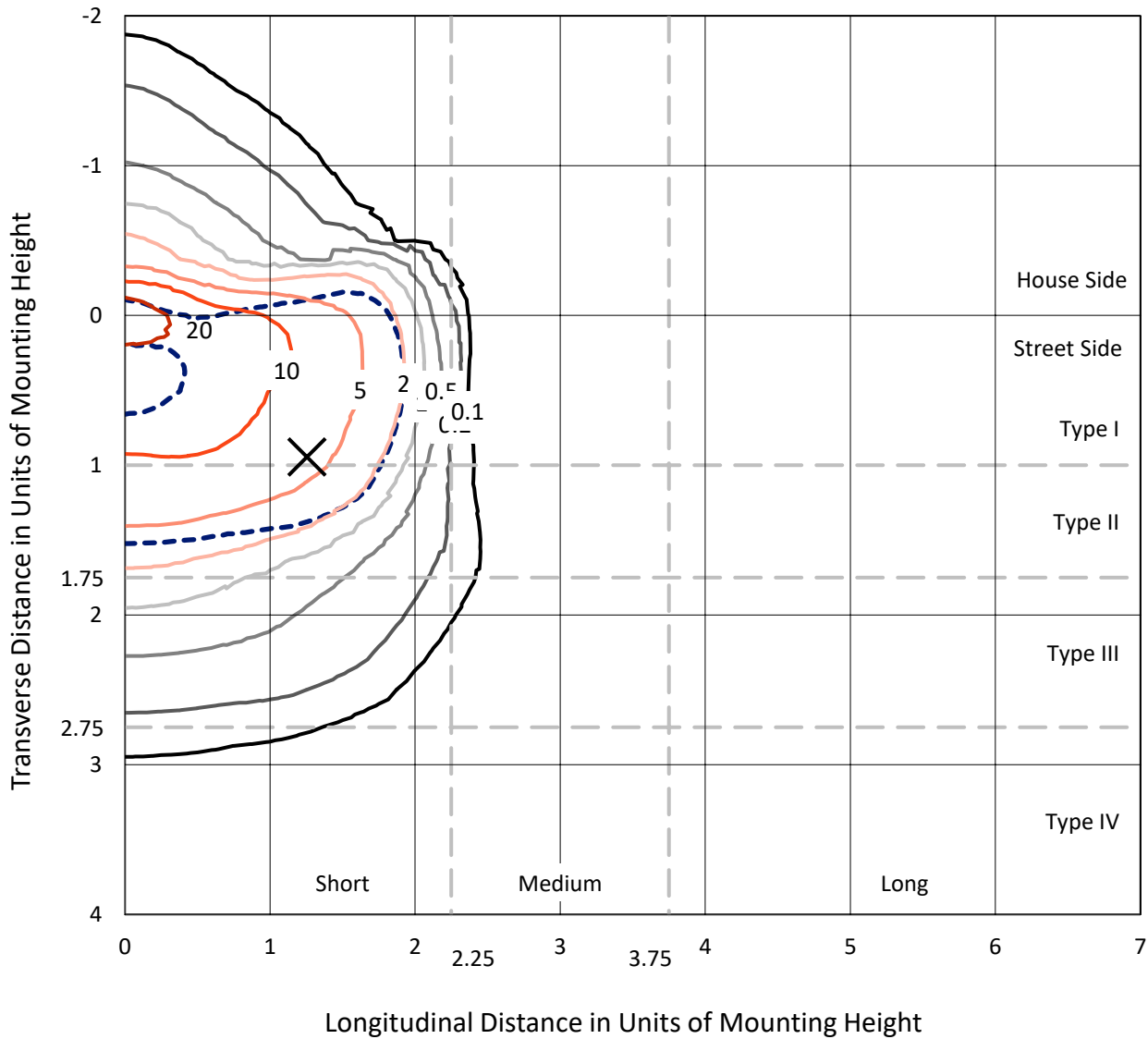
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

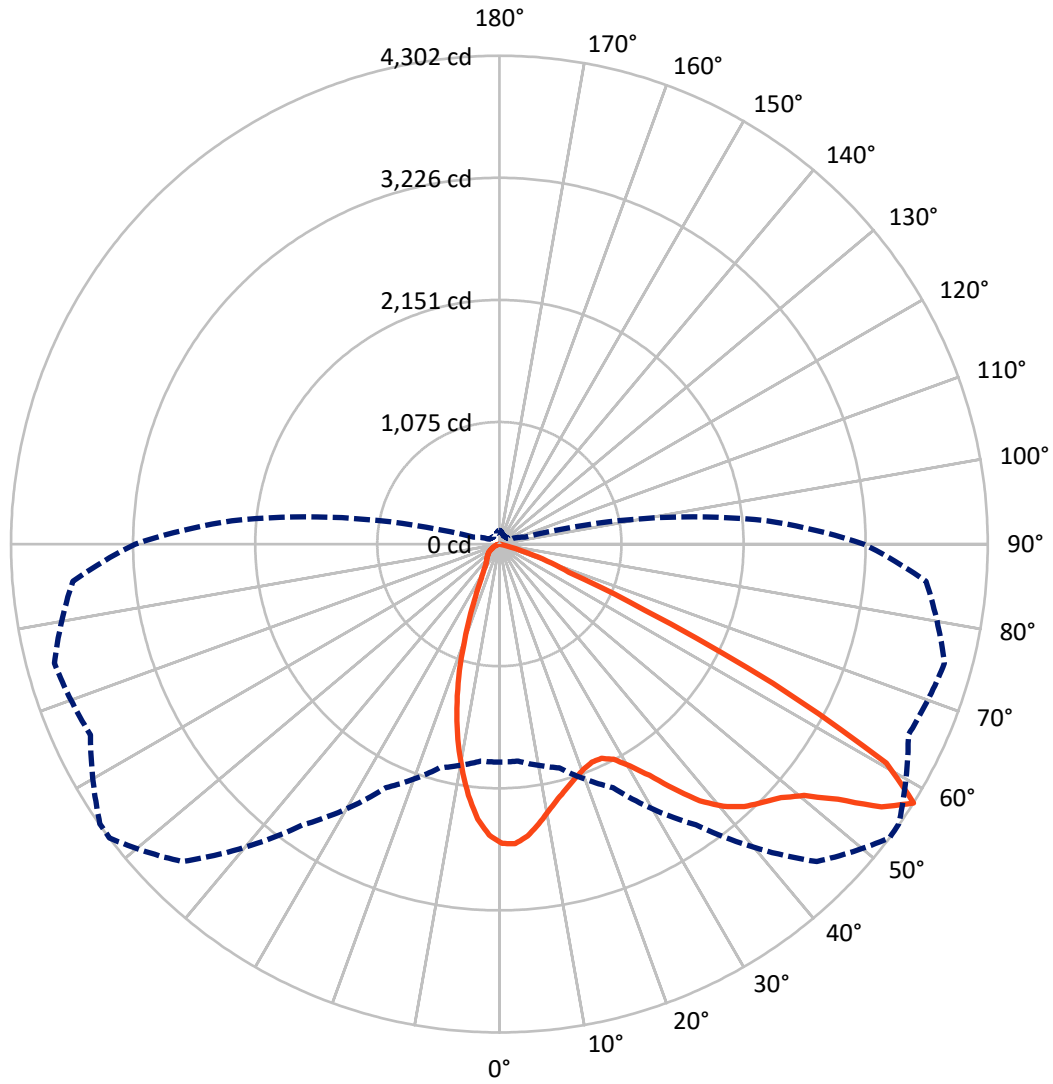
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.4 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	992.8	0.0	992.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5017.1	0.0	5017.1
	% Fixture	83.5	0.0	83.5
Total	Lumens	6009.9	0.0	6009.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	3.8
10°-20°	495.2	8.2
20°-30°	645.1	10.7
30°-40°	935.7	15.6
40°-50°	1350.2	22.5
50°-60°	1632.9	27.2
60°-70°	665.5	11.1
70°-80°	59.8	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°	6009.9	100.0
0°-180°	6009.9	100.0

Coefficient of Utilization



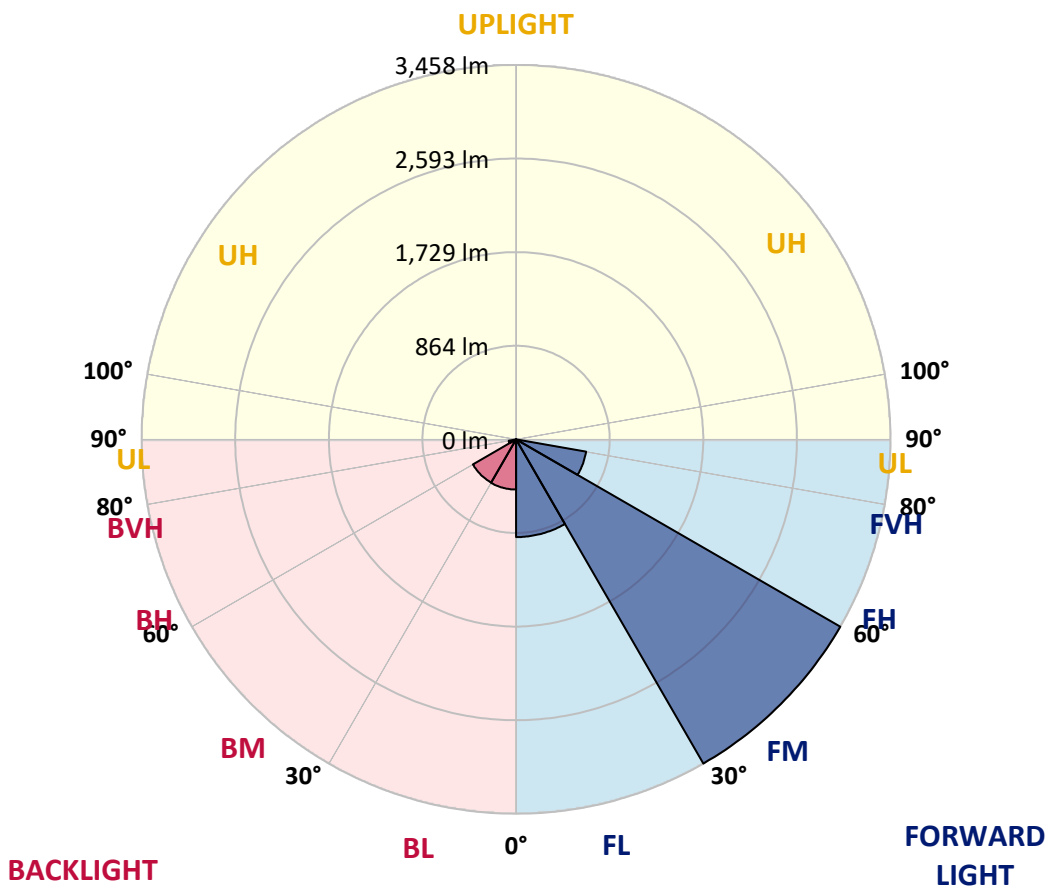
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	902.5	15.0			
FM (30°-60°)	3458.0	57.5			
FH (60°-80°)	656.7	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	463.3	7.7	B1/500		
BM (30°-60°)	460.8	7.7	B1/1000		
BH (60°-80°)	68.6	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3
2.5°	2599.5	2605.3	2615.7	2628.9	2637.8	2642.2	2642.2	2654.7	2646.6	2640.0	2632.6
5°	2488.2	2494.1	2508.1	2529.5	2550.8	2566.3	2584.0	2597.2	2602.4	2602.4	2589.9
7.5°	2331.3	2339.4	2348.3	2377.7	2424.1	2458.8	2489.0	2508.1	2536.1	2544.9	2527.3
10°	2162.7	2170.8	2190.6	2231.2	2284.2	2335.8	2387.3	2411.6	2459.5	2484.5	2464.7
12.5°	2019.8	2023.4	2050.0	2098.6	2166.3	2237.0	2299.7	2324.7	2392.5	2430.0	2406.5
15°	1901.9	1904.1	1930.6	1984.4	2062.5	2149.4	2228.2	2254.0	2337.2	2393.9	2358.6
17.5°	1812.8	1813.5	1836.3	1894.5	1976.3	2072.8	2166.3	2198.0	2305.6	2374.1	2321.0
20°	1767.8	1765.6	1781.8	1832.7	1910.0	2006.5	2117.0	2156.0	2287.9	2371.1	2292.3
22.5°	1768.6	1763.4	1770.0	1806.1	1871.7	1962.3	2086.0	2130.2	2289.3	2383.6	2268.0
25°	1810.6	1803.2	1804.7	1823.8	1870.2	1952.7	2090.5	2137.6	2318.8	2425.6	2259.1
27.5°	1881.3	1873.2	1873.2	1882.7	1907.8	1982.9	2145.7	2199.5	2397.6	2507.4	2277.6
30°	1972.6	1964.5	1961.6	1971.1	1991.8	2061.0	2268.7	2324.7	2532.4	2641.4	2336.5
32.5°	2077.2	2067.6	2072.8	2086.0	2105.9	2201.7	2427.1	2501.5	2701.1	2821.9	2442.6
35°	2187.7	2179.6	2203.2	2231.9	2262.8	2396.9	2645.9	2710.7	2908.1	3046.6	2604.6
37.5°	2293.0	2289.3	2338.7	2399.1	2463.2	2631.1	2868.3	2918.4	3085.6	3291.1	2802.8
40°	2398.4	2397.6	2482.3	2588.4	2690.8	2864.6	3037.0	3078.2	3193.9	3481.2	2992.8
42.5°	2516.2	2516.2	2633.3	2774.8	2911.0	3062.0	3160.7	3179.2	3242.5	3590.9	3135.7
45°	2628.9	2635.5	2771.1	2935.3	3096.7	3216.0	3246.2	3247.7	3262.4	3655.7	3254.3
47.5°	2718.0	2723.9	2886.0	3075.3	3249.1	3333.1	3337.5	3330.9	3314.7	3717.6	3345.6
50°	2790.2	2799.1	2968.5	3168.8	3353.7	3445.8	3479.7	3473.1	3431.8	3783.9	3409.7
52.5°	2825.6	2838.1	2997.2	3215.3	3470.1	3638.8	3733.1	3748.5	3607.1	3820.7	3470.9
55°	2542.7	2561.2	2707.7	3006.1	3534.9	3937.1	4085.2	4082.2	3797.2	3930.5	3619.6
57.5°	1920.3	1918.8	2040.4	2366.7	3019.3	3954.1	4301.7	4295.8	3974.7	4057.9	3772.1
60°	1307.5	1298.6	1331.0	1488.7	2111.1	3221.1	3915.0	3994.6	3848.7	3748.5	3202.7
62.5°	1076.2	1068.1	1057.8	1014.3	1212.4	2006.5	2704.8	2825.6	2806.4	2605.3	2008.7
65°	881.0	887.6	916.3	897.9	843.4	1029.0	1404.0	1475.4	1348.7	1135.1	702.0
67.5°	649.7	652.6	690.2	787.4	758.0	685.0	660.7	672.5	394.1	181.2	117.1
70°	383.8	386.0	420.6	551.0	615.1	525.9	446.4	439.7	156.2	48.6	53.0
72.5°	217.3	212.9	219.5	262.2	335.2	279.2	229.8	209.2	47.1	27.3	27.3
75°	103.1	100.2	86.2	81.0	73.7	47.1	29.5	25.0	11.8	11.0	11.0
77.5°	0.7	2.2	1.5	2.2	2.2	1.5	0.7	0.7	2.2	2.2	2.9
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°	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3	2636.3
2.5°	2619.3	2597.2	2592.1	2590.6	2570.0	2547.9	2525.1	2516.2	2503.0	2494.9	2501.5
5°	2570.0	2538.3	2510.3	2484.5	2438.9	2388.8	2345.3	2317.3	2290.8	2273.1	2277.6
7.5°	2500.0	2458.8	2394.7	2329.1	2245.2	2170.0	2086.0	2034.5	1986.6	1960.1	1972.6
10°	2425.6	2371.1	2268.7	2157.5	2025.6	1907.8	1787.7	1689.8	1633.0	1579.3	1585.2
12.5°	2352.7	2280.5	2127.3	1958.6	1792.1	1618.3	1437.1	1301.6	1208.8	1141.7	1131.4
15°	2284.9	2192.1	1989.6	1767.1	1540.2	1308.9	1077.6	883.9	776.4	710.1	705.7
17.5°	2224.5	2109.6	1846.7	1566.7	1282.4	986.3	720.4	575.3	513.4	484.7	481.7
20°	2166.3	2026.4	1700.8	1363.4	1001.0	692.4	497.2	430.2	410.3	398.5	400.0
22.5°	2110.4	1935.8	1547.6	1138.0	750.6	486.2	385.2	359.5	357.3	358.7	359.5
25°	2063.2	1852.5	1390.0	920.7	535.5	370.5	321.9	314.5	321.2	330.7	332.2
27.5°	2038.9	1784.8	1236.0	702.0	387.5	301.3	279.2	282.1	293.9	304.2	305.7
30°	2045.5	1734.0	1076.9	509.0	298.3	254.1	246.8	252.7	264.4	274.0	275.5
32.5°	2092.7	1708.2	914.1	370.5	245.3	221.7	218.8	223.2	233.5	240.9	241.6
35°	2186.2	1714.1	759.4	283.6	210.7	197.4	196.7	199.6	204.8	209.9	210.7
37.5°	2324.0	1761.9	607.0	235.7	190.8	181.2	178.3	178.3	181.9	184.1	185.6
40°	2472.0	1834.1	486.2	208.5	176.8	166.5	160.6	158.4	161.3	164.3	165.0
42.5°	2594.3	1906.3	394.8	189.3	165.7	151.7	144.4	142.9	146.6	151.7	153.2
45°	2687.8	1962.3	329.3	173.8	153.2	137.7	129.6	129.6	136.3	145.1	146.6
47.5°	2773.3	2007.2	280.6	159.8	141.4	125.2	117.1	118.6	129.6	141.4	143.6
50°	2831.5	2043.3	244.6	147.3	131.9	114.9	107.5	110.5	123.7	137.7	140.0
52.5°	2894.1	2087.5	221.0	136.3	123.0	106.8	100.2	102.4	117.1	132.6	135.5
55°	3067.2	2235.6	220.2	121.5	107.5	95.8	92.8	93.5	108.3	126.0	129.6
57.5°	3208.6	2366.0	235.0	102.4	89.9	84.0	82.5	83.2	96.5	116.4	120.8
60°	2654.7	1838.5	194.5	84.7	75.1	73.7	71.5	72.9	85.4	103.1	106.8
62.5°	1571.2	1051.1	92.8	64.8	64.1	62.6	60.4	63.3	75.1	90.6	92.8
65°	537.0	311.6	58.9	53.0	54.5	52.3	50.1	53.0	63.3	72.2	72.9
67.5°	103.1	82.5	47.1	44.2	44.9	40.5	39.8	42.7	48.6	50.1	49.4
70°	53.8	47.9	36.1	36.1	34.6	28.7	28.7	31.7	31.7	29.5	28.7
72.5°	28.0	26.5	23.6	26.5	22.1	17.7	17.7	19.2	17.7	14.7	14.7
75°	11.0	11.0	10.3	13.3	9.6	8.1	7.4	8.8	6.6	5.2	5.2
77.5°	2.9	2.9	2.9	3.7	2.2	2.2	1.5	1.5	0.7	0.0	0.0
80°	0.0	0.7	0.0	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)