

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: P636548

Luminaire Tested: GWS-SA4B-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636548
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-SA4B-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6236 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

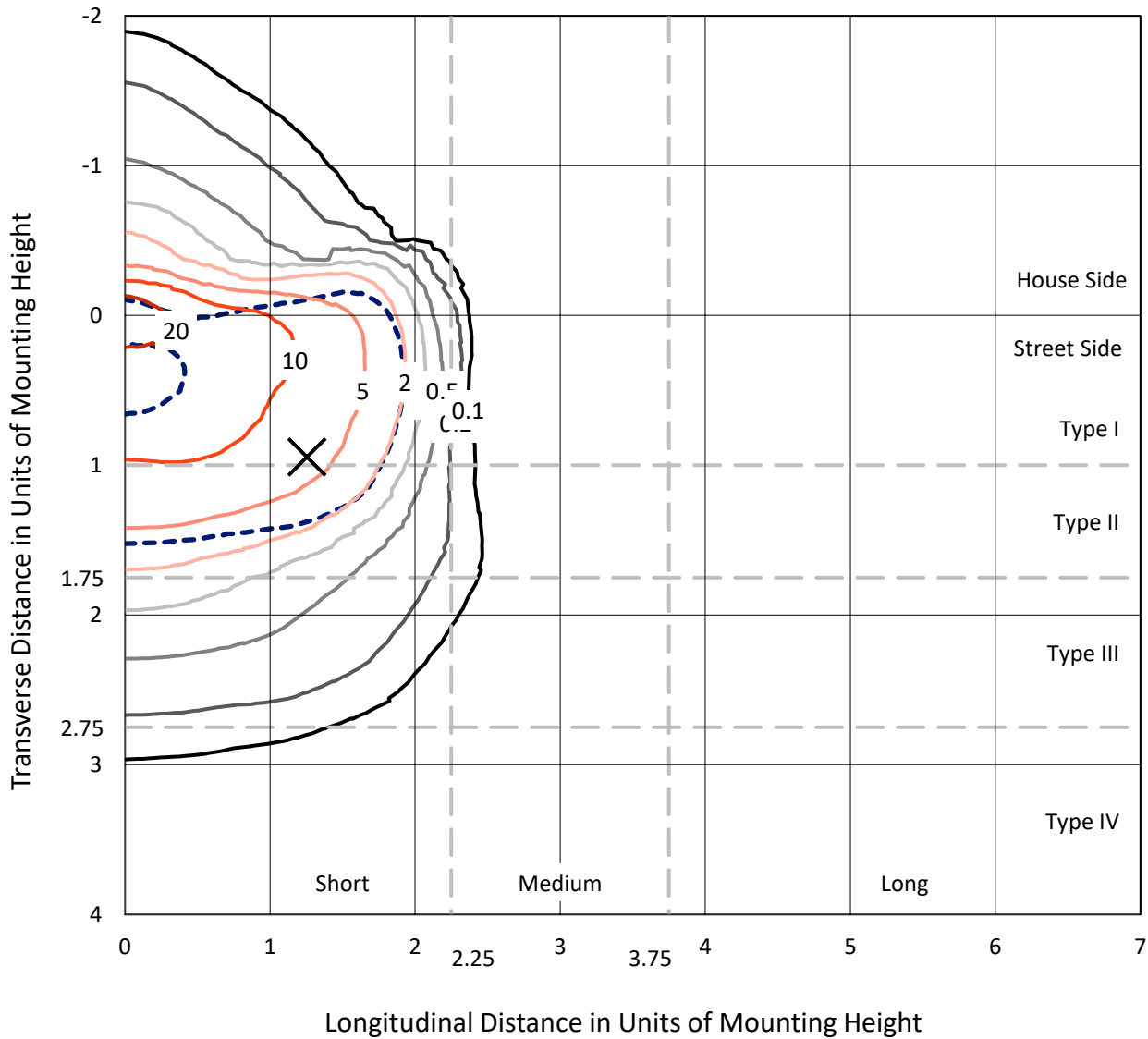
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

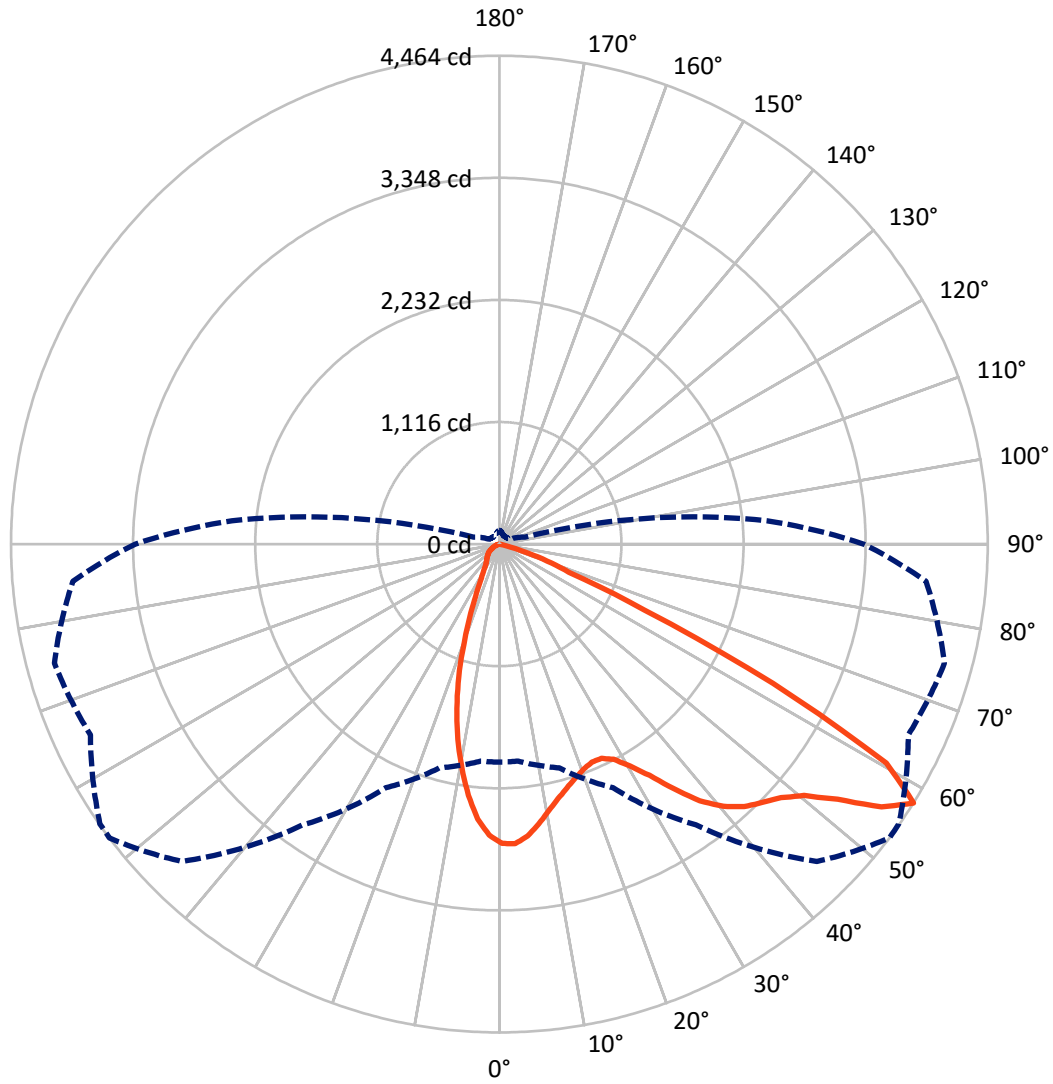
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.4 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	1030.1	0.0	1030.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5205.9	0.0	5205.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	6236.0	0.0	6236.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	3.8
10°-20°	513.8	8.2
20°-30°	669.4	10.7
30°-40°	970.9	15.6
40°-50°	1401.0	22.5
50°-60°	1694.3	27.2
60°-70°	690.5	11.1
70°-80°	62.1	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°	6236.0	100.0
0°-180°	6236.0	100.0

Coefficient of Utilization



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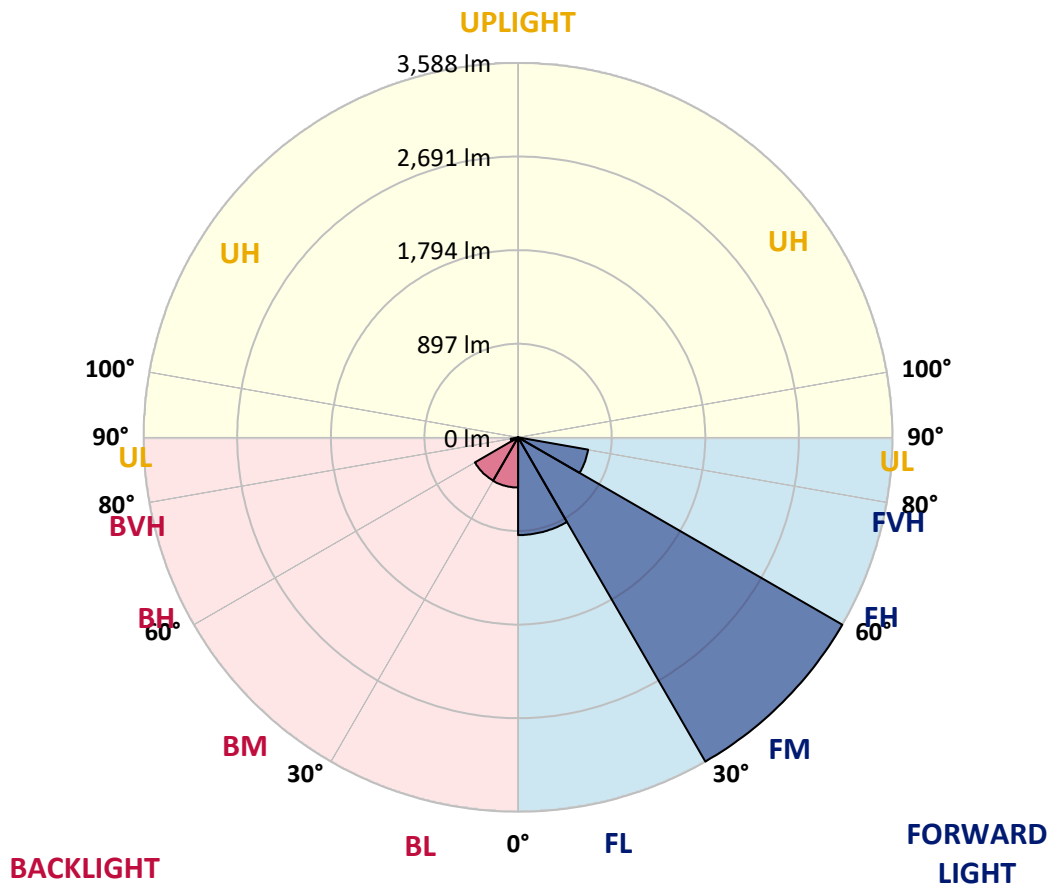
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	936.4	15.0			
FM (30°-60°)	3588.1	57.5			
FH (60°-80°)	681.4	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	480.8	7.7	B1/500		
BM (30°-60°)	478.1	7.7	B1/1000		
BH (60°-80°)	71.2	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°	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5
2.5°	2697.2	2703.4	2714.1	2727.8	2737.0	2741.6	2741.6	2754.6	2746.2	2739.3	2731.6
5°	2581.8	2588.0	2602.5	2624.6	2646.8	2662.9	2681.2	2695.0	2700.3	2700.3	2687.3
7.5°	2419.0	2427.4	2436.6	2467.2	2515.3	2551.3	2582.6	2602.5	2631.5	2640.7	2622.3
10°	2244.0	2252.4	2273.1	2315.1	2370.1	2423.6	2477.1	2502.4	2552.0	2578.0	2557.4
12.5°	2095.7	2099.6	2127.1	2177.5	2247.8	2321.2	2386.2	2412.2	2482.5	2521.5	2497.0
15°	1973.4	1975.7	2003.3	2059.1	2140.1	2230.3	2312.0	2338.8	2425.2	2484.0	2447.3
17.5°	1881.0	1881.7	1905.4	1965.8	2050.6	2150.8	2247.8	2280.7	2392.3	2463.4	2408.3
20°	1834.3	1832.1	1848.9	1901.6	1981.9	2082.0	2196.6	2237.1	2373.9	2460.3	2378.5
22.5°	1835.1	1829.8	1836.6	1874.1	1942.1	2036.1	2164.5	2210.4	2375.5	2473.3	2353.3
25°	1878.7	1871.0	1872.6	1892.4	1940.6	2026.2	2169.1	2218.0	2406.0	2516.9	2344.1
27.5°	1952.0	1943.6	1943.6	1953.6	1979.6	2057.5	2226.4	2282.2	2487.8	2601.7	2363.2
30°	2046.8	2038.4	2035.4	2045.3	2066.7	2138.5	2354.1	2412.2	2627.7	2740.8	2424.4
32.5°	2155.4	2145.4	2150.8	2164.5	2185.2	2284.5	2518.4	2595.6	2802.7	2928.1	2534.5
35°	2270.0	2261.6	2286.1	2315.9	2348.0	2487.1	2745.4	2812.7	3017.5	3161.2	2702.6
37.5°	2379.3	2375.5	2426.7	2489.4	2555.9	2730.1	2976.2	3028.2	3201.7	3414.9	2908.2
40°	2488.6	2487.8	2575.7	2685.8	2792.0	2972.4	3151.2	3194.1	3314.0	3612.1	3105.4
42.5°	2610.9	2610.9	2732.4	2879.2	3020.6	3177.2	3279.7	3298.8	3364.5	3726.0	3253.7
45°	2727.8	2734.7	2875.3	3045.8	3213.2	3337.0	3368.3	3369.8	3385.1	3793.3	3376.7
47.5°	2820.3	2826.4	2994.6	3191.0	3371.4	3458.5	3463.1	3456.2	3439.4	3857.5	3471.5
50°	2895.2	2904.4	3080.2	3288.1	3479.9	3575.4	3610.6	3603.7	3560.9	3926.3	3538.0
52.5°	2931.9	2944.9	3110.0	3336.2	3600.7	3775.7	3873.5	3889.6	3742.8	3964.5	3601.4
55°	2638.4	2657.5	2809.6	3119.1	3667.9	4085.2	4238.9	4235.8	3940.0	4078.4	3755.8
57.5°	1992.6	1991.0	2117.1	2455.7	3132.9	4102.8	4463.6	4457.5	4124.2	4210.6	3914.0
60°	1356.7	1347.5	1381.1	1544.7	2190.5	3342.3	4062.3	4144.9	3993.5	3889.6	3323.2
62.5°	1116.7	1108.2	1097.5	1052.5	1258.1	2082.0	2806.5	2931.9	2912.0	2703.4	2084.3
65°	914.1	921.0	950.8	931.7	875.1	1067.7	1456.8	1530.9	1399.5	1177.8	728.4
67.5°	674.1	677.2	716.2	817.0	786.5	710.8	685.6	697.8	408.9	188.0	121.5
70°	398.2	400.5	436.4	571.7	638.2	545.7	463.2	456.3	162.0	50.4	55.0
72.5°	225.5	220.9	227.8	272.1	347.8	289.7	238.5	217.1	48.9	28.3	28.3
75°	107.0	103.9	89.4	84.1	76.4	48.9	30.6	26.0	12.2	11.5	11.5
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°	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5	2735.5
2.5°	2717.9	2695.0	2689.6	2688.1	2666.7	2643.7	2620.1	2610.9	2597.1	2588.7	2595.6
5°	2666.7	2633.8	2604.8	2578.0	2530.6	2478.7	2433.6	2404.5	2377.0	2358.7	2363.2
7.5°	2594.1	2551.3	2484.8	2416.7	2329.6	2251.7	2164.5	2111.0	2061.3	2033.8	2046.8
10°	2516.9	2460.3	2354.1	2238.7	2101.9	1979.6	1855.0	1753.3	1694.5	1638.7	1644.8
12.5°	2441.2	2366.3	2207.3	2032.3	1859.6	1679.2	1491.2	1350.5	1254.2	1184.7	1174.0
15°	2370.9	2274.6	2064.4	1833.6	1598.2	1358.2	1118.2	917.2	805.6	736.8	732.2
17.5°	2308.2	2189.0	1916.1	1625.7	1330.7	1023.4	747.5	596.9	532.7	502.9	499.9
20°	2247.8	2102.6	1764.8	1414.7	1038.7	718.5	515.9	446.4	425.7	413.5	415.0
22.5°	2189.7	2008.6	1605.8	1180.9	778.8	504.4	399.7	373.0	370.7	372.2	373.0
25°	2140.8	1922.2	1442.3	955.4	555.7	384.4	334.0	326.4	333.2	343.2	344.7
27.5°	2115.6	1851.9	1282.5	728.4	402.0	312.6	289.7	292.7	305.0	315.7	317.2
30°	2122.5	1799.2	1117.4	528.1	309.5	263.7	256.0	262.2	274.4	284.3	285.9
32.5°	2171.4	1772.4	948.5	384.4	254.5	230.1	227.0	231.6	242.3	249.9	250.7
35°	2268.5	1778.5	788.0	294.3	218.6	204.8	204.1	207.1	212.5	217.8	218.6
37.5°	2411.4	1828.2	629.8	244.6	198.0	188.0	185.0	185.0	188.8	191.1	192.6
40°	2565.0	1903.1	504.4	216.3	183.4	172.7	166.6	164.3	167.4	170.4	171.2
42.5°	2691.9	1978.0	409.7	196.4	172.0	157.4	149.8	148.3	152.1	157.4	159.0
45°	2789.0	2036.1	341.6	180.4	159.0	142.9	134.5	134.5	141.4	150.6	152.1
47.5°	2877.6	2082.7	291.2	165.9	146.7	129.9	121.5	123.1	134.5	146.7	149.0
50°	2938.0	2120.2	253.8	152.9	136.8	119.2	111.6	114.6	128.4	142.9	145.2
52.5°	3003.0	2166.1	229.3	141.4	127.6	110.8	103.9	106.2	121.5	137.6	140.6
55°	3182.6	2319.7	228.5	126.1	111.6	99.4	96.3	97.1	112.4	130.7	134.5
57.5°	3329.3	2455.0	243.8	106.2	93.2	87.1	85.6	86.4	100.1	120.8	125.3
60°	2754.6	1907.7	201.8	87.9	78.0	76.4	74.1	75.7	88.7	107.0	110.8
62.5°	1630.3	1090.7	96.3	67.3	66.5	65.0	62.7	65.7	78.0	94.0	96.3
65°	557.2	323.3	61.1	55.0	56.6	54.3	52.0	55.0	65.7	74.9	75.7
67.5°	107.0	85.6	48.9	45.9	46.6	42.0	41.3	44.3	50.4	52.0	51.2
70°	55.8	49.7	37.5	37.5	35.9	29.8	29.8	32.9	32.9	30.6	29.8
72.5°	29.0	27.5	24.5	27.5	22.9	18.3	18.3	19.9	18.3	15.3	15.3
75°	11.5	11.5	10.7	13.8	9.9	8.4	7.6	9.2	6.9	5.4	5.4
77.5°	3.1	3.1	3.1	3.8	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)