

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: P632808

Luminaire Tested: GWS-SA2D-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632808
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-SA2D-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6829.3 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

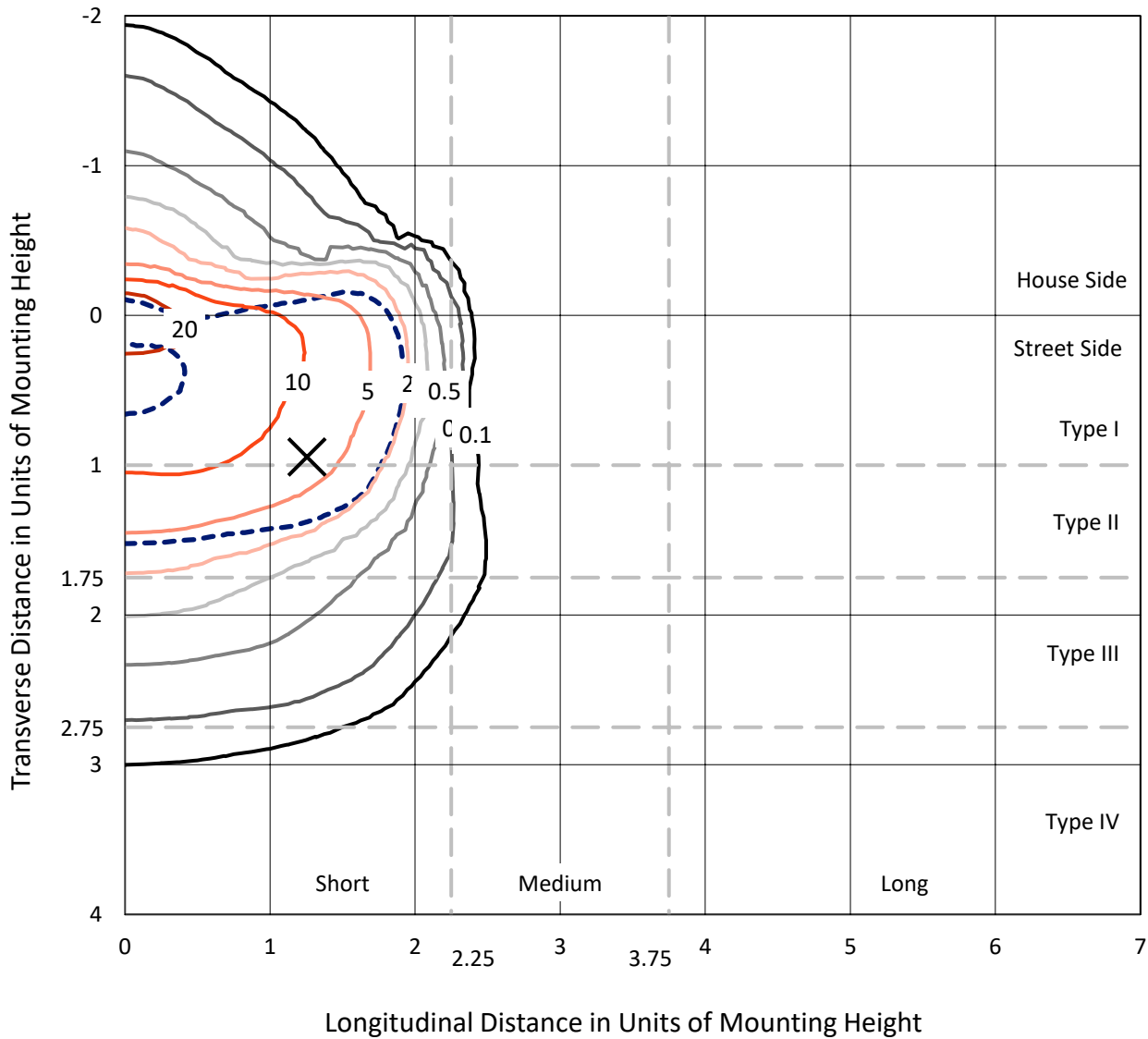
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

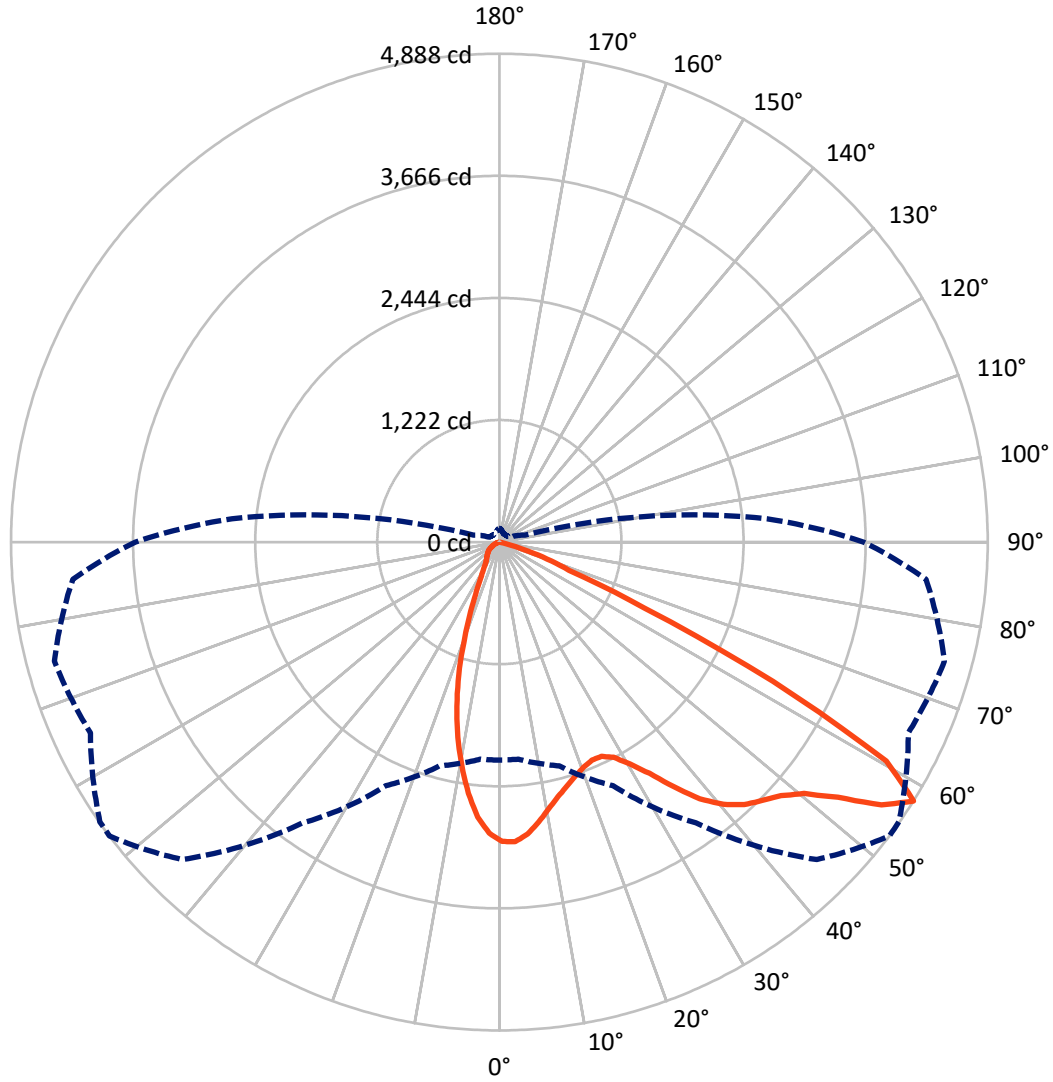
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30 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	1128.1	0.0	1128.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5701.2	0.0	5701.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	6829.3	0.0	6829.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	3.8
10°-20°	562.7	8.2
20°-30°	733.0	10.7
30°-40°	1063.3	15.6
40°-50°	1534.2	22.5
50°-60°	1855.5	27.2
60°-70°	756.2	11.1
70°-80°	67.9	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°	6829.3	100.0
0°-180°	6829.3	100.0

Coefficient of Utilization



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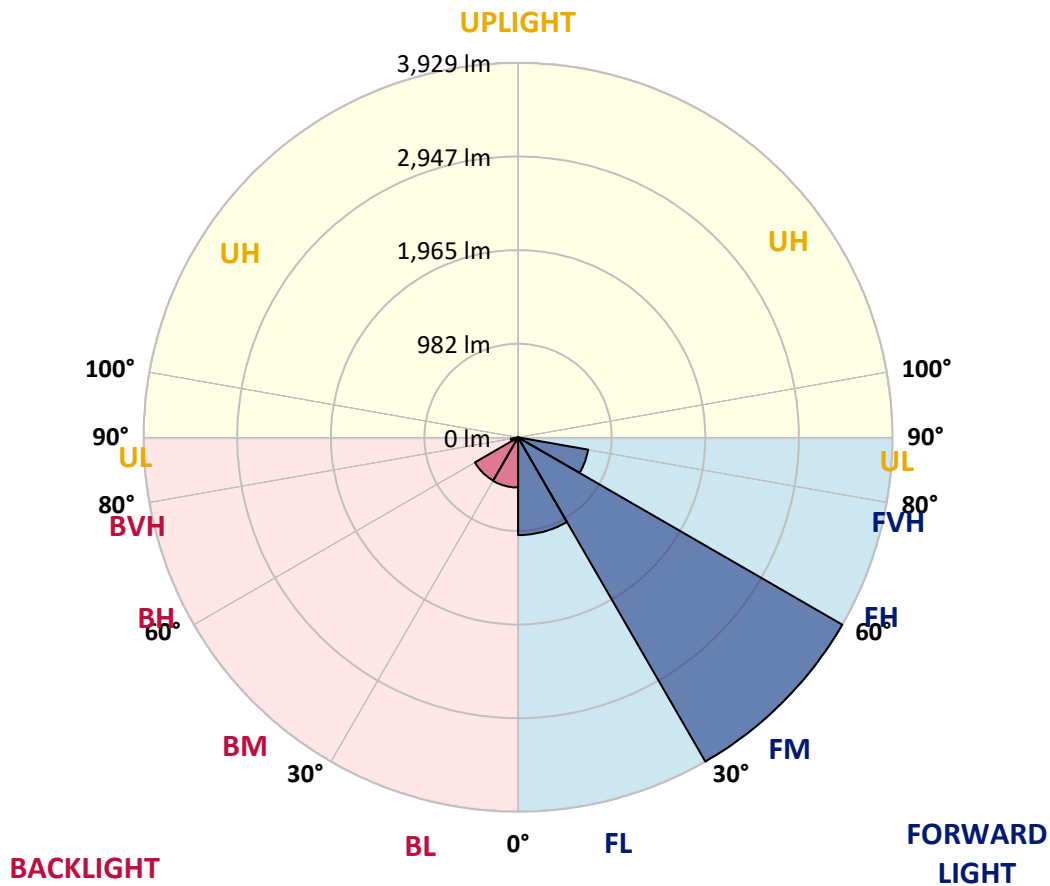
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1025.5	15.0			
FM (30°-60°)	3929.4	57.5			
FH (60°-80°)	746.2	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	526.5	7.7	B2/1000		
BM (30°-60°)	523.6	7.7	B1/1000		
BH (60°-80°)	78.0	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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7
2.5°	2953.9	2960.6	2972.3	2987.4	2997.4	3002.4	3002.4	3016.6	3007.4	2999.9	2991.5
5°	2827.5	2834.2	2850.1	2874.4	2898.6	2916.2	2936.3	2951.4	2957.2	2957.2	2943.0
7.5°	2649.2	2658.4	2668.4	2701.9	2754.7	2794.0	2828.3	2850.1	2881.9	2891.9	2871.8
10°	2457.5	2466.7	2489.3	2535.4	2595.6	2654.2	2712.8	2740.4	2794.8	2823.3	2800.7
12.5°	2295.1	2299.3	2329.4	2384.7	2461.7	2542.1	2613.2	2641.7	2718.7	2761.4	2734.6
15°	2161.2	2163.7	2193.8	2255.0	2343.7	2442.4	2532.0	2561.3	2655.9	2720.3	2680.2
17.5°	2059.9	2060.8	2086.7	2152.8	2245.7	2355.4	2461.7	2497.7	2619.9	2697.7	2637.5
20°	2008.9	2006.4	2024.8	2082.5	2170.4	2280.1	2405.6	2450.0	2599.8	2694.4	2604.8
22.5°	2009.7	2003.8	2011.4	2052.4	2126.9	2229.8	2370.5	2420.7	2601.5	2708.6	2577.2
25°	2057.4	2049.0	2050.7	2072.5	2125.2	2219.0	2375.5	2429.1	2635.0	2756.3	2567.2
27.5°	2137.8	2128.6	2128.6	2139.4	2167.9	2253.3	2438.3	2499.4	2724.5	2849.2	2588.1
30°	2241.6	2232.4	2229.0	2239.9	2263.3	2342.0	2578.0	2641.7	2877.7	3001.6	2655.1
32.5°	2360.4	2349.5	2355.4	2370.5	2393.1	2501.9	2758.0	2842.5	3069.4	3206.7	2775.6
35°	2486.0	2476.8	2503.5	2536.2	2571.3	2723.7	3006.6	3080.3	3304.6	3461.9	2959.7
37.5°	2605.7	2601.5	2657.6	2726.2	2799.0	2989.9	3259.4	3316.3	3506.3	3739.8	3184.9
40°	2725.4	2724.5	2820.8	2941.3	3057.7	3255.2	3451.1	3497.9	3629.3	3955.8	3400.8
42.5°	2859.3	2859.3	2992.4	3153.1	3307.9	3479.5	3591.7	3612.6	3684.6	4080.5	3563.2
45°	2987.4	2994.9	3148.9	3335.6	3518.9	3654.5	3688.8	3690.5	3707.2	4154.2	3698.0
47.5°	3088.6	3095.3	3279.5	3494.6	3692.1	3787.5	3792.6	3785.0	3766.6	4224.5	3801.8
50°	3170.7	3180.7	3373.2	3600.9	3811.0	3915.6	3954.1	3946.6	3899.7	4299.8	3874.6
52.5°	3210.8	3225.1	3405.9	3653.6	3943.2	4134.9	4242.1	4259.6	4098.9	4341.7	3944.1
55°	2889.4	2910.3	3076.9	3415.9	4016.9	4473.9	4642.2	4638.8	4314.9	4466.4	4113.2
57.5°	2182.1	2180.5	2318.6	2689.4	3431.0	4493.2	4888.2	4881.5	4516.6	4611.2	4286.4
60°	1485.7	1475.7	1512.5	1691.6	2398.9	3660.3	4448.8	4539.2	4373.5	4259.6	3639.4
62.5°	1222.9	1213.7	1202.0	1152.6	1377.7	2280.1	3073.6	3210.8	3189.1	2960.6	2282.6
65°	1001.1	1008.6	1041.3	1020.3	958.4	1169.3	1595.4	1676.6	1532.6	1289.9	797.7
67.5°	738.3	741.6	784.3	894.8	861.3	778.4	750.8	764.2	447.8	205.9	133.1
70°	436.1	438.6	477.9	626.1	698.9	597.6	507.2	499.7	177.4	55.2	60.3
72.5°	246.9	241.9	249.4	298.0	380.8	317.2	261.2	237.7	53.6	31.0	31.0
75°	117.2	113.8	97.9	92.1	83.7	53.6	33.5	28.5	13.4	12.6	12.6
77.5°	0.8	2.5	1.7	2.5	2.5	1.7	0.8	0.8	2.5	2.5	3.3
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°	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7	2995.7
2.5°	2976.5	2951.4	2945.5	2943.8	2920.4	2895.3	2869.3	2859.3	2844.2	2835.0	2842.5
5°	2920.4	2884.4	2852.6	2823.3	2771.4	2714.5	2665.1	2633.3	2603.2	2583.1	2588.1
7.5°	2840.9	2794.0	2721.2	2646.7	2551.3	2465.9	2370.5	2311.9	2257.5	2227.3	2241.6
10°	2756.3	2694.4	2578.0	2451.7	2301.8	2167.9	2031.5	1920.1	1855.7	1794.6	1801.3
12.5°	2673.5	2591.4	2417.3	2225.7	2036.5	1838.9	1633.0	1479.0	1373.6	1297.4	1285.7
15°	2596.5	2491.0	2260.8	2008.0	1750.2	1487.4	1224.6	1004.4	882.2	806.9	801.9
17.5°	2527.8	2397.2	2098.4	1780.4	1457.3	1120.8	818.6	653.7	583.4	550.8	547.4
20°	2461.7	2302.7	1932.7	1549.3	1137.5	786.8	565.0	488.8	466.2	452.8	454.5
22.5°	2398.1	2199.7	1758.6	1293.2	852.9	552.4	437.8	408.5	406.0	407.6	408.5
25°	2344.5	2105.1	1579.5	1046.3	608.5	421.0	365.8	357.4	364.9	375.8	377.5
27.5°	2316.9	2028.1	1404.5	797.7	440.3	342.3	317.2	320.6	334.0	345.7	347.4
30°	2324.4	1970.4	1223.7	578.4	339.0	288.8	280.4	287.1	300.5	311.4	313.0
32.5°	2378.0	1941.1	1038.8	421.0	278.7	251.9	248.6	253.6	265.3	273.7	274.5
35°	2484.3	1947.8	863.0	322.3	239.4	224.3	223.5	226.8	232.7	238.6	239.4
37.5°	2640.8	2002.2	689.7	267.8	216.8	205.9	202.6	202.6	206.7	209.3	210.9
40°	2809.1	2084.2	552.4	236.9	200.9	189.2	182.5	180.0	183.3	186.7	187.5
42.5°	2948.0	2166.2	448.6	215.1	188.3	172.4	164.1	162.4	166.6	172.4	174.1
45°	3054.3	2229.8	374.2	197.5	174.1	156.5	147.3	147.3	154.9	164.9	166.6
47.5°	3151.4	2280.9	318.9	181.6	160.7	142.3	133.1	134.8	147.3	160.7	163.2
50°	3217.5	2321.9	277.9	167.4	149.8	130.6	122.2	125.6	140.6	156.5	159.0
52.5°	3288.7	2372.1	251.1	154.9	139.8	121.4	113.8	116.3	133.1	150.7	154.0
55°	3485.4	2540.4	250.3	138.1	122.2	108.8	105.5	106.3	123.0	143.1	147.3
57.5°	3646.1	2688.5	267.0	116.3	102.1	95.4	93.7	94.6	109.7	132.3	137.3
60°	3016.6	2089.2	221.0	96.3	85.4	83.7	81.2	82.9	97.1	117.2	121.4
62.5°	1785.4	1194.4	105.5	73.7	72.8	71.1	68.6	72.0	85.4	103.0	105.5
65°	610.2	354.1	67.0	60.3	61.9	59.4	56.9	60.3	72.0	82.0	82.9
67.5°	117.2	93.7	53.6	50.2	51.1	46.0	45.2	48.5	55.2	56.9	56.1
70°	61.1	54.4	41.0	41.0	39.3	32.6	32.6	36.0	36.0	33.5	32.6
72.5°	31.8	30.1	26.8	30.1	25.1	20.1	20.1	21.8	20.1	16.7	16.7
75°	12.6	12.6	11.7	15.1	10.9	9.2	8.4	10.0	7.5	5.9	5.9
77.5°	3.3	3.3	3.3	4.2	2.5	2.5	1.7	1.7	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)