

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: P639019

Luminaire Tested: GWS-SA5B-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7679.8 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

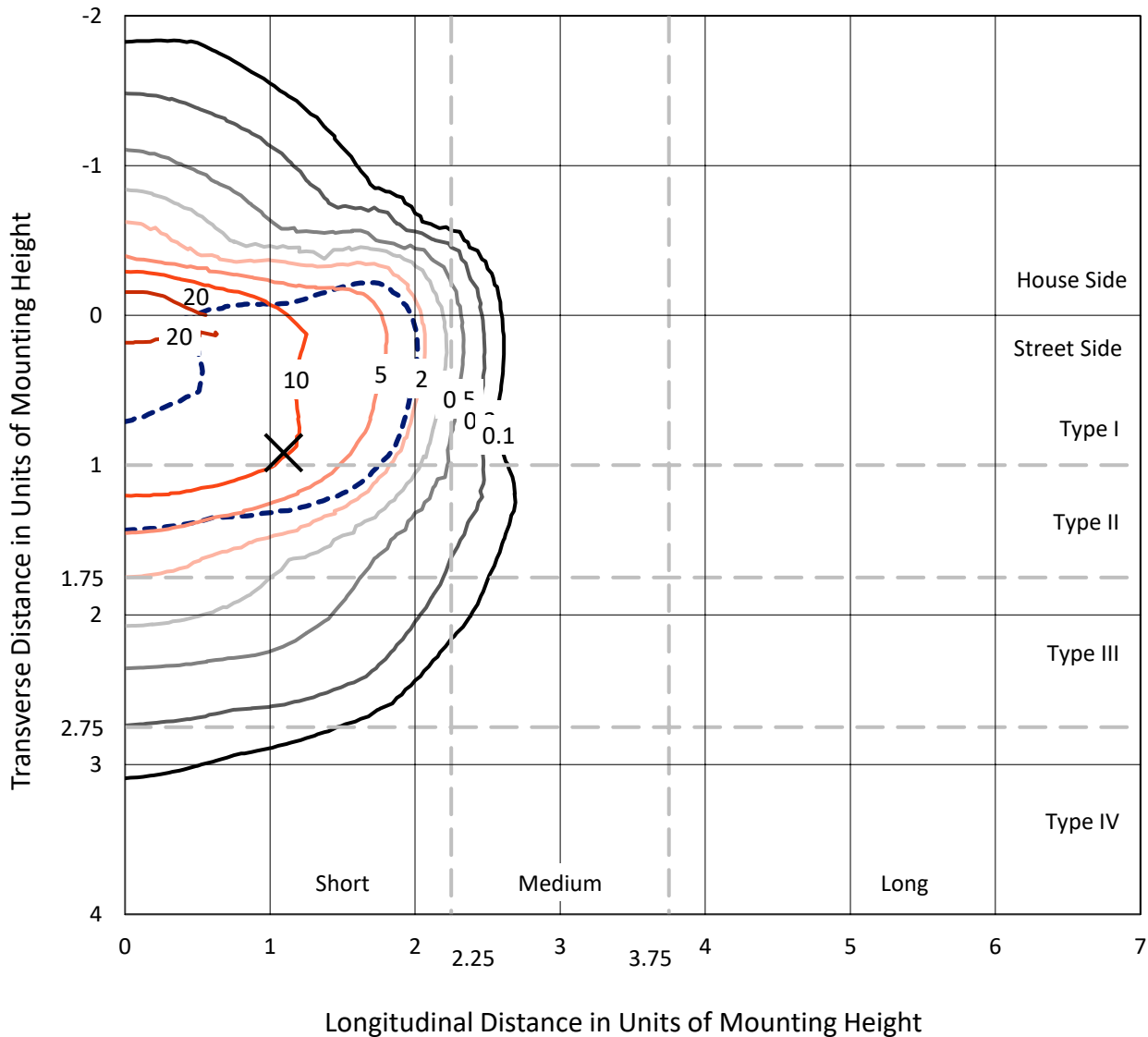
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

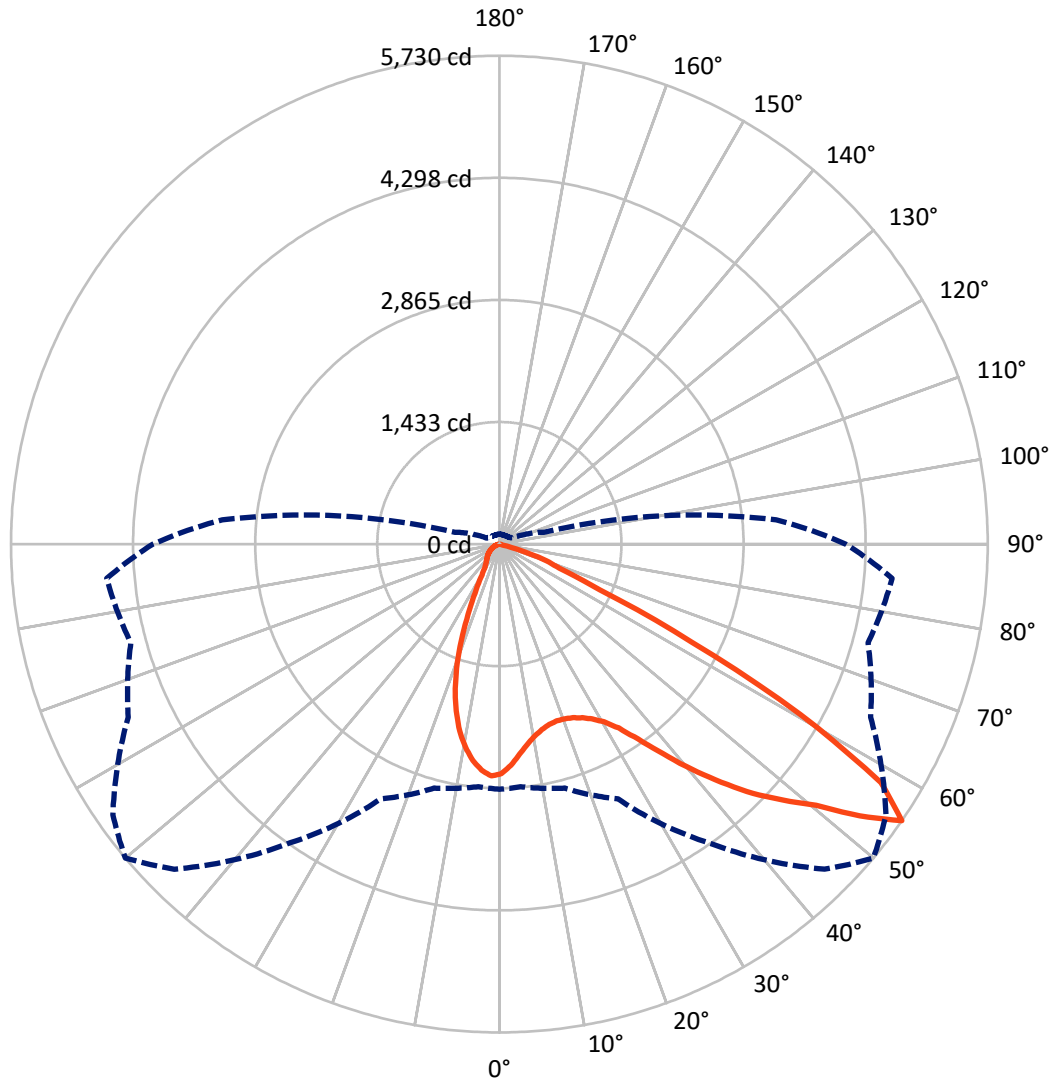
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.9 fc
 Type II - Short - N/A

REPORT NUMBER: P639019
CATALOG NUMBER: GWS-SA5B-722-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1513.3	0.0	1513.3
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	6166.5	0.0	6166.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	7679.8	0.0	7679.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	3.1
10°-20°	582.3	7.6
20°-30°	821.4	10.7
30°-40°	1215.5	15.8
40°-50°	1753.5	22.8
50°-60°	2068.4	26.9
60°-70°	922.7	12.0
70°-80°	79.3	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°	7679.8	100.0
0°-180°	7679.8	100.0

Coefficient of Utilization

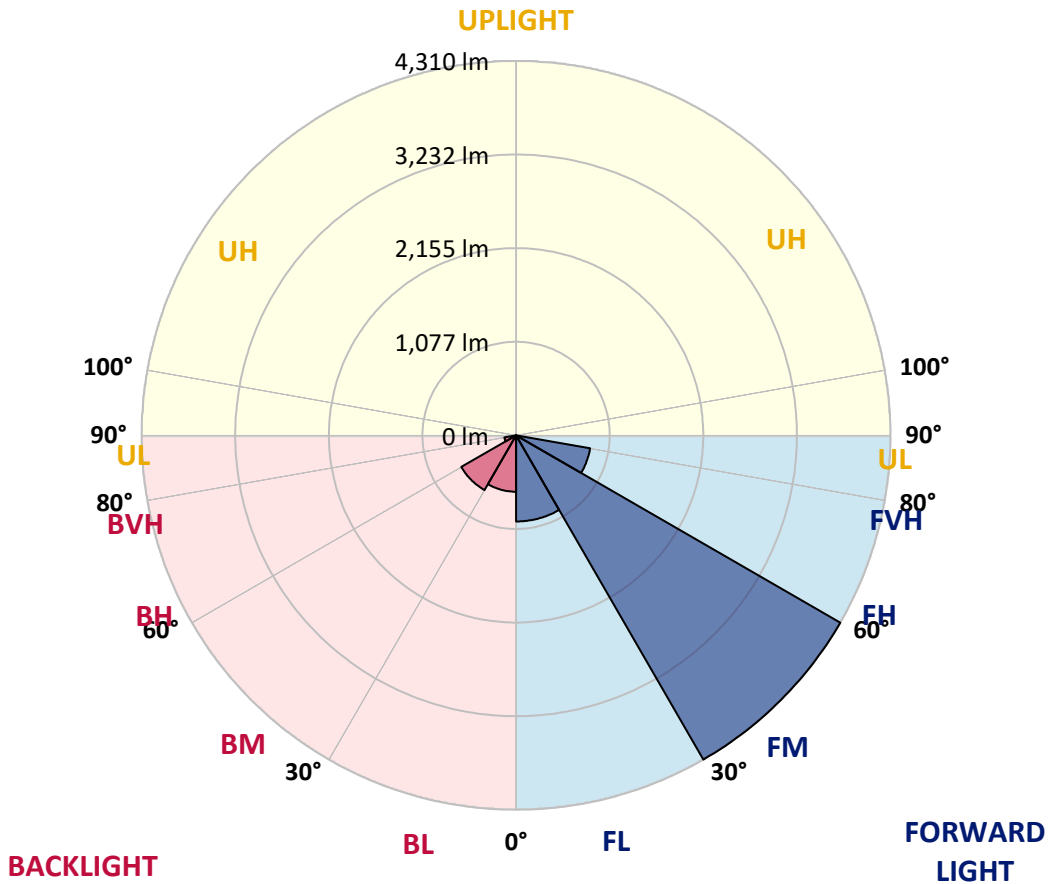


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.5	12.9			
FM (30°-60°)	4309.7	56.1			
FH (60°-80°)	865.4	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	648.8	8.4	B2/1000		
BM (30°-60°)	727.8	9.5	B1/1000		
BH (60°-80°)	136.6	1.8	B1/500		G1/500
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





REPORT NUMBER: P639019

CATALOG NUMBER: GWS-SA5B-722-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5
2.5°	2503.2	2505.1	2506.1	2531.4	2540.7	2578.2	2597.9	2608.2	2635.4	2667.3	2693.6
5°	2335.4	2332.6	2337.3	2369.2	2389.8	2445.1	2475.1	2495.7	2555.7	2630.7	2693.6
7.5°	2189.2	2194.8	2200.4	2235.1	2266.0	2326.0	2369.2	2400.1	2483.6	2595.1	2701.1
10°	2086.0	2086.0	2094.5	2133.8	2170.4	2244.5	2287.6	2327.0	2426.4	2563.2	2709.5
12.5°	2010.1	2011.0	2021.3	2066.3	2108.5	2185.4	2230.4	2268.9	2378.5	2531.4	2711.4
15°	1974.5	1971.7	1980.1	2027.9	2074.8	2147.0	2193.9	2231.4	2344.8	2513.6	2720.8
17.5°	1965.1	1963.2	1969.8	2016.7	2064.5	2134.8	2180.7	2218.2	2340.1	2519.2	2748.9
20°	1992.3	1988.5	1985.7	2026.0	2071.0	2140.4	2188.2	2230.4	2362.6	2550.1	2792.0
22.5°	2057.0	2057.0	2050.4	2070.1	2100.1	2162.9	2212.6	2267.9	2421.7	2612.0	2855.8
25°	2176.0	2166.7	2154.5	2162.9	2159.2	2198.5	2257.6	2334.5	2533.2	2714.2	2933.6
27.5°	2312.0	2320.4	2299.8	2300.7	2267.9	2253.9	2322.3	2438.6	2699.2	2858.6	3048.9
30°	2496.7	2490.1	2491.1	2488.2	2412.3	2345.7	2419.8	2574.5	2908.3	3078.9	3198.9
32.5°	2641.1	2650.4	2681.4	2699.2	2599.8	2492.9	2571.7	2759.2	3146.4	3330.2	3382.7
35°	2793.9	2810.8	2873.6	2931.7	2848.3	2725.4	2809.8	3003.9	3370.5	3578.6	3593.6
37.5°	2955.1	2988.9	3063.9	3166.1	3153.0	3044.2	3121.1	3291.7	3546.7	3728.6	3768.0
40°	3139.8	3172.6	3295.5	3442.7	3473.6	3449.2	3474.5	3573.9	3663.0	3735.2	3843.0
42.5°	3342.3	3387.3	3543.0	3739.9	3856.1	3877.7	3818.6	3808.3	3713.6	3660.2	3827.1
45°	3581.4	3633.9	3810.2	4065.2	4249.9	4278.9	4176.8	4044.6	3745.5	3604.9	3779.2
47.5°	3849.6	3899.2	4074.6	4381.1	4655.8	4667.1	4489.0	4276.1	3840.2	3668.6	3815.8
50°	3939.6	3970.5	4122.4	4482.4	4988.7	5074.9	4817.1	4536.8	4030.5	3856.1	3993.9
52.5°	3630.2	3642.4	3774.6	4138.3	4921.2	5475.3	5296.2	4925.9	4369.0	4142.1	4268.6
55°	2876.4	2856.7	2963.6	3297.3	4277.1	5393.7	5730.3	5537.1	4804.9	4477.7	4625.8
57.5°	2012.0	1988.5	1964.2	2190.1	3191.4	4572.4	5280.2	5622.5	5220.2	4810.5	5011.2
60°	1653.8	1631.3	1513.2	1409.1	1929.5	3283.3	4055.8	4699.9	5186.5	4793.7	4999.0
62.5°	1428.8	1415.7	1367.9	1226.3	1135.4	1874.2	2539.8	3156.7	3979.9	3764.2	3775.5
65°	1122.2	1118.5	1151.3	1166.3	1004.1	1036.9	1295.7	1640.7	2151.7	2028.8	1923.8
67.5°	766.9	758.5	820.4	1008.8	965.7	818.5	758.5	765.0	931.0	569.1	451.9
70°	487.5	467.8	468.8	625.3	785.7	646.0	585.0	514.7	463.1	84.4	95.6
72.5°	312.2	300.0	257.8	282.2	363.8	315.0	317.8	273.8	182.8	45.0	52.5
75°	131.3	120.9	92.8	74.1	73.1	45.9	40.3	37.5	25.3	25.3	27.2
77.5°	0.9	0.0	0.0	0.9	1.9	0.9	0.9	1.9	3.8	5.6	6.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5	2694.5
2.5°	2709.5	2687.0	2712.3	2721.7	2720.8	2721.7	2694.5	2675.7	2674.8	2651.4	2640.1
5°	2719.8	2702.0	2720.8	2708.6	2679.5	2642.9	2594.2	2552.0	2533.2	2506.1	2492.9
7.5°	2739.5	2720.8	2717.9	2669.2	2597.0	2520.1	2433.9	2357.0	2315.7	2266.0	2268.9
10°	2753.6	2732.0	2695.4	2596.1	2476.1	2353.2	2224.8	2110.4	2038.2	1971.7	1960.4
12.5°	2759.2	2727.3	2642.0	2492.0	2323.2	2162.9	1974.5	1811.3	1698.8	1611.6	1599.4
15°	2769.5	2717.9	2573.6	2366.4	2134.8	1907.9	1667.9	1444.8	1295.7	1195.4	1203.8
17.5°	2785.4	2707.6	2496.7	2225.7	1932.3	1611.6	1287.2	1031.3	894.4	836.3	837.2
20°	2807.9	2695.4	2412.3	2071.0	1689.5	1276.9	900.0	706.9	668.5	666.6	663.8
22.5°	2837.9	2683.3	2322.3	1901.3	1401.6	894.4	599.1	539.1	555.0	586.0	591.6
25°	2873.6	2668.2	2222.0	1710.1	1087.6	586.9	449.1	439.7	478.1	519.4	528.8
27.5°	2928.9	2660.7	2107.6	1492.6	763.2	421.0	367.5	373.1	407.8	442.5	451.0
30°	3022.6	2674.8	1982.9	1248.8	490.3	335.6	318.8	327.2	346.0	363.8	371.3
32.5°	3150.1	2716.1	1862.0	982.5	349.7	291.6	287.8	292.5	300.0	310.3	313.1
35°	3299.2	2787.3	1737.3	703.2	288.8	266.3	262.5	262.5	266.3	268.1	269.1
37.5°	3422.0	2862.3	1620.1	467.8	258.8	246.6	240.9	238.1	237.2	239.1	240.0
40°	3475.5	2893.3	1492.6	340.3	237.2	228.8	220.3	211.9	211.9	218.4	219.4
42.5°	3438.0	2858.6	1345.4	281.3	222.2	210.0	196.9	189.4	193.1	199.7	201.6
45°	3358.3	2773.3	1183.2	248.4	207.2	191.3	176.3	171.6	175.3	183.8	185.6
47.5°	3345.2	2717.0	989.1	226.9	191.3	175.3	159.4	154.7	159.4	165.9	167.8
50°	3475.5	2765.8	773.5	208.1	176.3	158.4	145.3	140.6	143.4	147.2	149.1
52.5°	3713.6	2946.7	624.4	190.3	158.4	141.6	133.1	127.5	127.5	131.3	132.2
55°	4065.2	3262.7	539.1	169.7	137.8	128.4	120.9	115.3	115.3	117.2	118.1
57.5°	4470.2	3645.2	558.8	142.5	120.9	116.3	109.7	105.0	106.9	106.9	106.9
60°	4414.0	3617.0	598.2	120.0	106.9	105.0	99.4	97.5	102.2	98.4	96.6
62.5°	3251.4	2498.6	313.1	98.4	91.9	90.0	86.3	90.0	96.6	86.3	82.5
65°	1578.8	1209.4	125.6	80.6	77.8	75.9	74.1	79.7	83.4	67.5	63.8
67.5°	371.3	301.9	81.6	68.4	64.7	60.9	62.8	63.8	60.9	45.9	44.1
70°	96.6	94.7	63.8	57.2	51.6	47.8	47.8	46.9	40.3	29.1	27.2
72.5°	52.5	51.6	45.9	43.1	35.6	31.9	32.8	29.1	22.5	16.9	15.9
75°	26.3	28.1	26.3	24.4	19.7	17.8	17.8	15.9	11.3	6.6	6.6
77.5°	5.6	6.6	6.6	5.6	4.7	3.8	3.8	4.7	1.9	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	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)