

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: P636080

Luminaire Tested: GWS-SA3F-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 11295.8 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

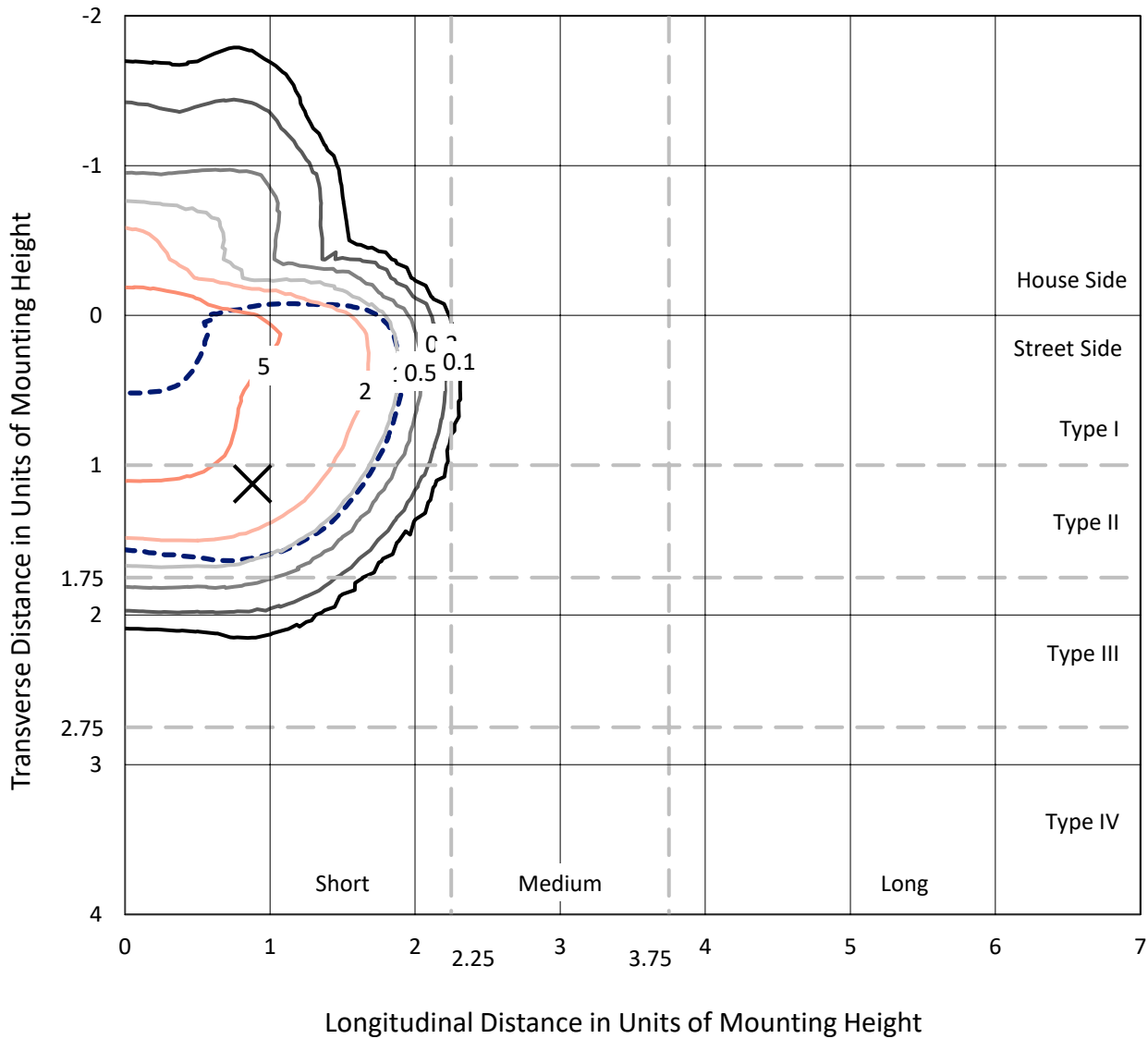
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

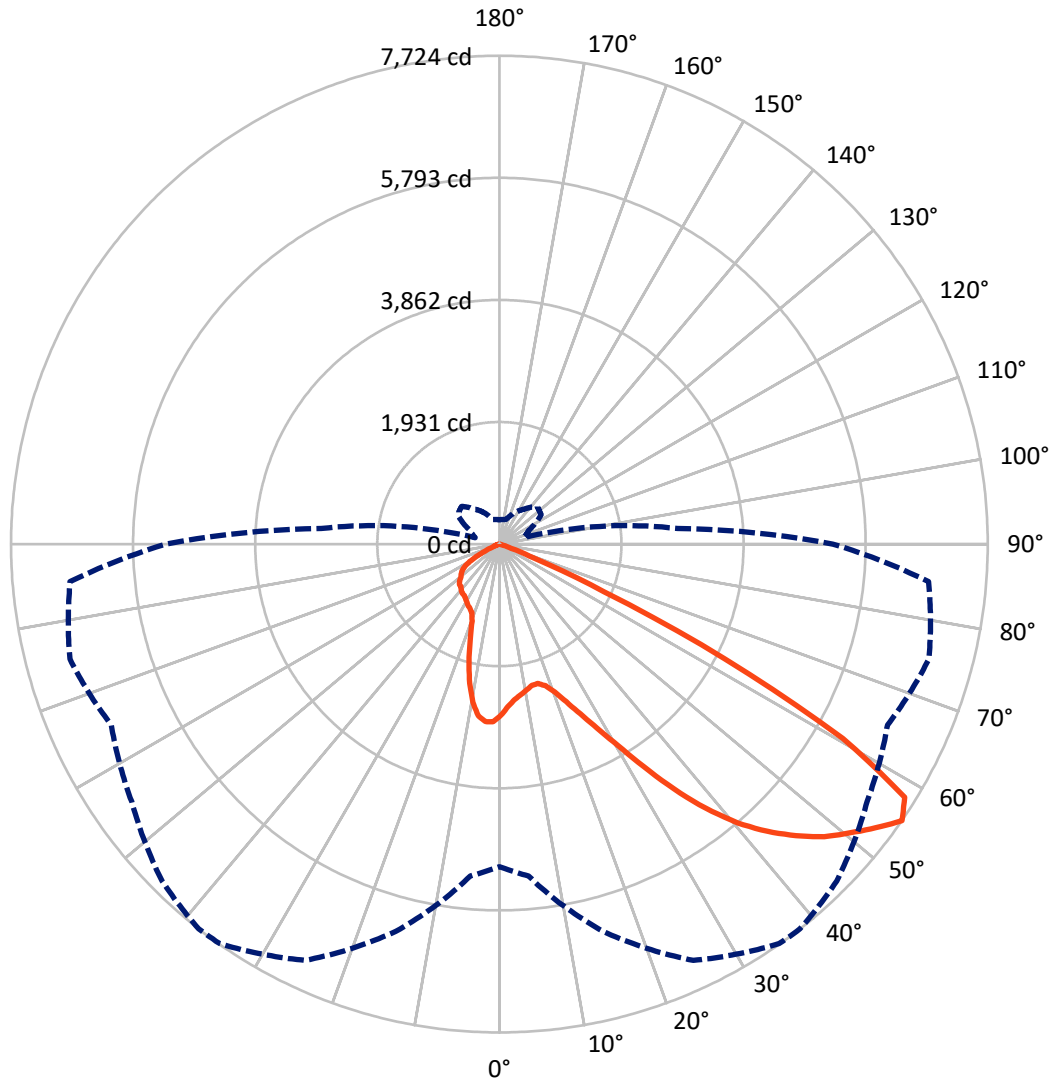
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2200.8	0.0	2200.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	9095.0	0.0	9095.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	11295.8	0.0	11295.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.5	2.2
10°-20°	674.3	6.0
20°-30°	1157.1	10.2
30°-40°	1919.2	17.0
40°-50°	2821.2	25.0
50°-60°	3296.7	29.2
60°-70°	1117.5	9.9
70°-80°	57.1	0.5
80°-90°	2.3	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°	11295.8	100.0
0°-180°	11295.8	100.0

Coefficient of Utilization



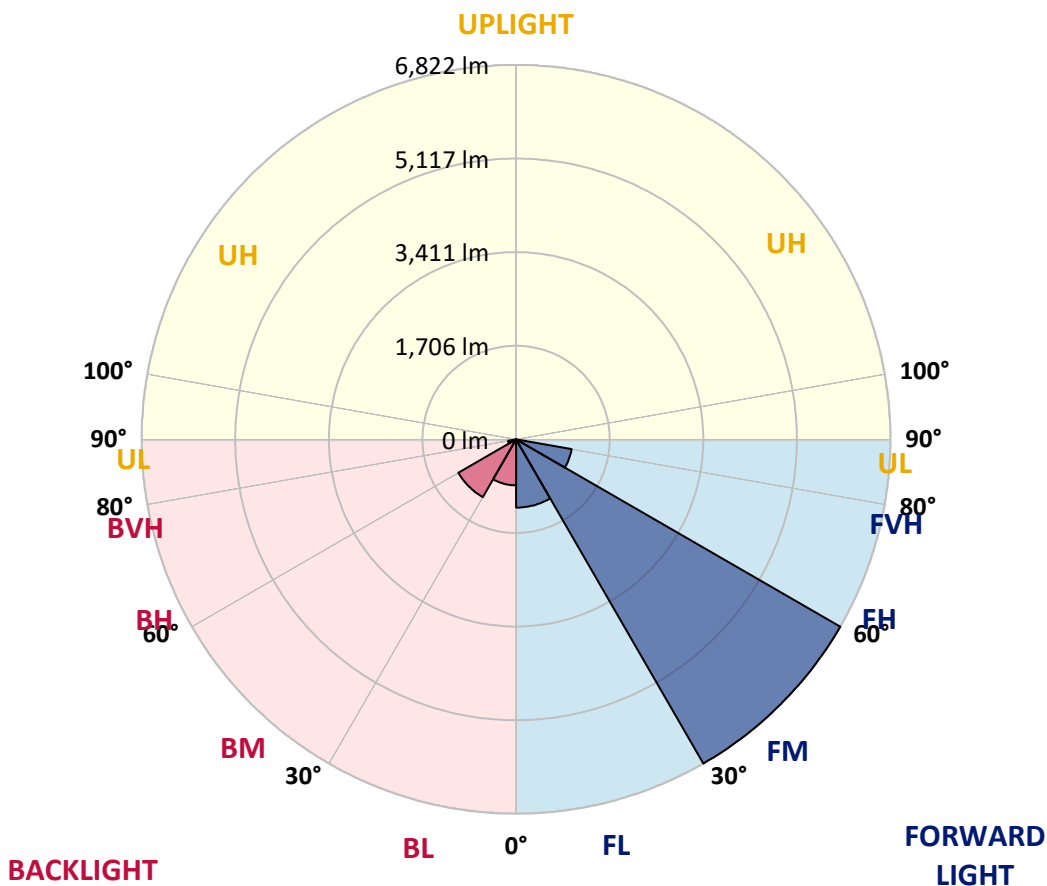
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.4	11.0			
FM (30°-60°)	6822.3	60.4			
FH (60°-80°)	1028.1	9.1			G1/1800
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	838.5	7.4	B2/1000		
BM (30°-60°)	1214.7	10.8	B2/2500		
BH (60°-80°)	146.5	1.3	B1/500		G1/500
BVH (80°-90°)	1.1	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°	38°	45°	55°	65°	75°	85°
0°	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8
2.5°	2522.9	2517.7	2528.1	2548.7	2568.1	2574.5	2593.9	2621.0	2637.8	2677.8	2710.1
5°	2409.3	2406.7	2417.0	2435.1	2460.9	2470.0	2499.7	2544.8	2590.0	2659.8	2728.2
7.5°	2306.0	2304.7	2320.2	2360.2	2397.7	2409.3	2445.4	2500.9	2561.6	2668.8	2769.5
10°	2170.4	2171.7	2201.4	2258.2	2326.6	2349.9	2408.0	2488.0	2566.8	2704.9	2844.4
12.5°	2126.5	2129.1	2144.6	2188.5	2263.4	2293.1	2374.4	2495.8	2596.5	2756.6	2941.2
15°	2233.7	2233.7	2220.8	2225.9	2259.5	2286.6	2371.8	2521.6	2646.8	2818.6	3036.8
17.5°	2441.6	2433.8	2401.5	2357.6	2346.0	2355.0	2423.5	2577.1	2717.9	2890.9	3145.2
20°	2723.0	2725.6	2662.3	2570.7	2497.1	2495.8	2537.1	2675.2	2819.9	2977.4	3262.7
22.5°	3063.9	3053.6	2969.6	2844.4	2716.6	2706.2	2723.0	2825.0	2967.0	3114.2	3407.3
25°	3459.0	3453.8	3335.0	3167.2	2998.0	2973.5	2973.5	3074.2	3177.5	3309.2	3580.3
27.5°	3872.1	3872.1	3757.2	3563.6	3338.9	3295.0	3288.5	3407.3	3475.8	3501.6	3726.2
30°	4296.9	4291.8	4178.1	3979.3	3739.2	3694.0	3675.9	3763.7	3812.7	3735.3	3908.3
32.5°	4728.2	4737.2	4622.3	4437.7	4223.3	4193.6	4138.1	4138.1	4178.1	4069.7	4194.9
35°	5191.7	5189.1	5098.7	4973.5	4790.1	4756.6	4664.9	4521.6	4582.3	4534.5	4591.3
37.5°	5601.0	5620.3	5576.4	5483.5	5335.0	5301.4	5150.4	4890.9	4937.3	5012.2	5062.6
40°	6016.7	6032.2	6076.1	6046.4	5859.2	5797.2	5528.7	5102.6	5154.2	5411.2	5555.8
42.5°	6424.7	6432.5	6521.6	6570.6	6320.1	6211.7	5815.3	5231.7	5285.9	5723.6	5976.7
45°	6684.3	6701.0	6848.2	6998.0	6726.9	6578.4	6064.5	5397.0	5420.2	5940.6	6287.9
47.5°	6673.9	6712.7	6989.0	7261.4	7076.8	6916.7	6364.0	5661.7	5622.9	6144.6	6493.2
50°	6466.0	6512.5	6908.9	7341.4	7328.5	7180.0	6697.2	6045.1	5923.8	6325.3	6519.0
52.5°	6034.8	6169.1	6768.2	7351.8	7531.2	7456.4	7109.0	6561.6	6330.5	6584.8	6560.3
55°	5102.6	5267.9	6340.8	7264.0	7714.6	7723.6	7541.6	7100.0	6772.0	7031.6	6814.7
57.5°	3873.4	4005.1	4880.5	6466.0	7411.2	7559.6	7709.4	7384.1	7044.5	7336.3	6874.0
60°	2334.4	2486.7	3056.1	4745.0	5985.7	6238.8	6826.3	6763.0	6353.7	6479.0	5637.1
62.5°	946.4	1026.5	1411.2	2614.6	3767.6	4003.8	4566.8	4662.3	4561.6	4433.8	3418.9
65°	346.0	378.3	565.5	1080.7	1732.7	1819.2	2116.2	2285.3	2424.8	2064.5	1271.8
67.5°	214.3	235.0	368.0	555.2	630.1	586.2	596.5	711.4	679.1	419.6	227.2
70°	158.8	175.6	287.9	384.8	254.4	196.3	133.0	142.0	127.8	112.3	111.0
72.5°	109.7	125.2	215.6	227.2	98.1	69.7	49.1	68.4	77.5	76.2	78.8
75°	72.3	83.9	135.6	89.1	24.5	19.4	16.8	36.2	46.5	46.5	47.8
77.5°	42.6	49.1	47.8	18.1	5.2	5.2	3.9	6.5	10.3	11.6	14.2
80°	5.2	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
82.5°	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
85°	0.0	0.0	1.3	1.3	2.6	2.6	2.6	2.6	2.6	3.9	3.9
87.5°	0.0	0.0	1.3	1.3	2.6	2.6	2.6	2.6	2.6	3.9	3.9
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°	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8	2708.8
2.5°	2734.6	2725.6	2763.0	2790.2	2812.1	2822.4	2808.2	2806.9	2806.9	2778.5	2770.8
5°	2766.9	2770.8	2823.7	2847.0	2850.8	2837.9	2805.7	2783.7	2770.8	2741.1	2724.3
7.5°	2828.9	2841.8	2892.2	2888.3	2853.4	2794.0	2708.8	2643.0	2600.4	2553.9	2525.5
10°	2918.0	2942.5	2973.5	2919.3	2808.2	2657.2	2481.6	2356.3	2281.5	2228.5	2196.2
12.5°	3026.4	3051.0	3040.6	2912.8	2681.7	2411.9	2185.9	2005.1	1918.6	1870.9	1837.3
15°	3136.2	3151.7	3084.5	2835.4	2458.3	2095.5	1843.8	1664.3	1558.4	1519.7	1491.3
17.5°	3248.5	3244.6	3092.3	2683.0	2160.1	1739.2	1491.3	1368.6	1338.9	1332.5	1329.9
20°	3366.0	3331.2	3061.3	2464.8	1801.1	1386.7	1246.0	1253.7	1307.9	1333.8	1338.9
22.5°	3500.3	3412.5	2983.8	2169.1	1434.5	1155.6	1169.8	1246.0	1319.5	1354.4	1359.6
25°	3643.6	3487.4	2854.7	1789.5	1131.0	1062.6	1146.5	1234.3	1313.1	1355.7	1360.9
27.5°	3737.9	3505.5	2643.0	1407.3	970.9	1026.5	1115.5	1199.5	1280.8	1327.3	1333.8
30°	3839.9	3497.7	2355.0	1084.6	916.7	995.5	1072.9	1149.1	1224.0	1275.6	1280.8
32.5°	3989.6	3492.5	2003.9	880.6	894.8	970.9	1027.8	1091.0	1142.7	1172.4	1168.5
35°	4185.9	3486.1	1594.6	794.1	881.9	951.6	996.8	1026.5	969.6	951.6	955.4
37.5°	4437.7	3501.6	1249.8	757.9	878.0	946.4	985.1	899.9	812.1	778.6	773.4
40°	4716.5	3541.6	952.9	743.7	890.9	959.3	941.2	800.5	692.1	626.2	612.0
42.5°	4996.7	3585.5	754.0	738.5	912.8	995.5	868.9	728.2	565.5	528.1	522.9
45°	5204.6	3577.8	652.0	729.5	932.2	1016.1	849.6	624.9	504.8	488.1	489.3
47.5°	5309.2	3492.5	596.5	708.8	940.0	995.5	801.8	582.3	463.5	481.6	497.1
50°	5253.7	3271.8	544.9	668.8	923.2	968.4	725.6	550.0	442.9	517.7	552.6
52.5°	5186.5	3000.6	488.1	606.8	883.1	930.9	695.9	541.0	430.0	499.7	525.5
55°	5275.6	2828.9	395.1	511.3	804.4	843.1	672.7	539.7	400.3	388.6	384.8
57.5°	5150.4	2486.7	282.8	368.0	617.2	667.5	655.9	530.7	355.1	353.8	358.9
60°	3980.6	1517.1	193.7	233.7	378.3	426.1	595.2	507.4	306.0	281.5	282.8
62.5°	2262.1	645.6	133.0	144.6	193.7	229.8	454.5	460.9	282.8	268.6	282.8
65°	787.6	231.1	103.3	96.8	107.2	122.7	260.8	356.4	256.9	232.4	235.0
67.5°	162.7	114.9	91.7	80.1	80.1	80.1	133.0	222.1	211.7	184.6	187.2
70°	103.3	98.1	80.1	68.4	65.8	60.7	76.2	122.7	145.9	134.3	135.6
72.5°	76.2	74.9	63.3	55.5	49.1	43.9	47.8	60.7	74.9	77.5	78.8
75°	46.5	47.8	41.3	34.9	31.0	27.1	28.4	28.4	28.4	25.8	28.4
77.5°	14.2	15.5	12.9	10.3	9.0	9.0	9.0	7.7	6.5	3.9	3.9
80°	3.9	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0
82.5°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0
85°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	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)