

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: P633354

Luminaire Tested: GWS-SA2E-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633354
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-SA2E-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8764 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

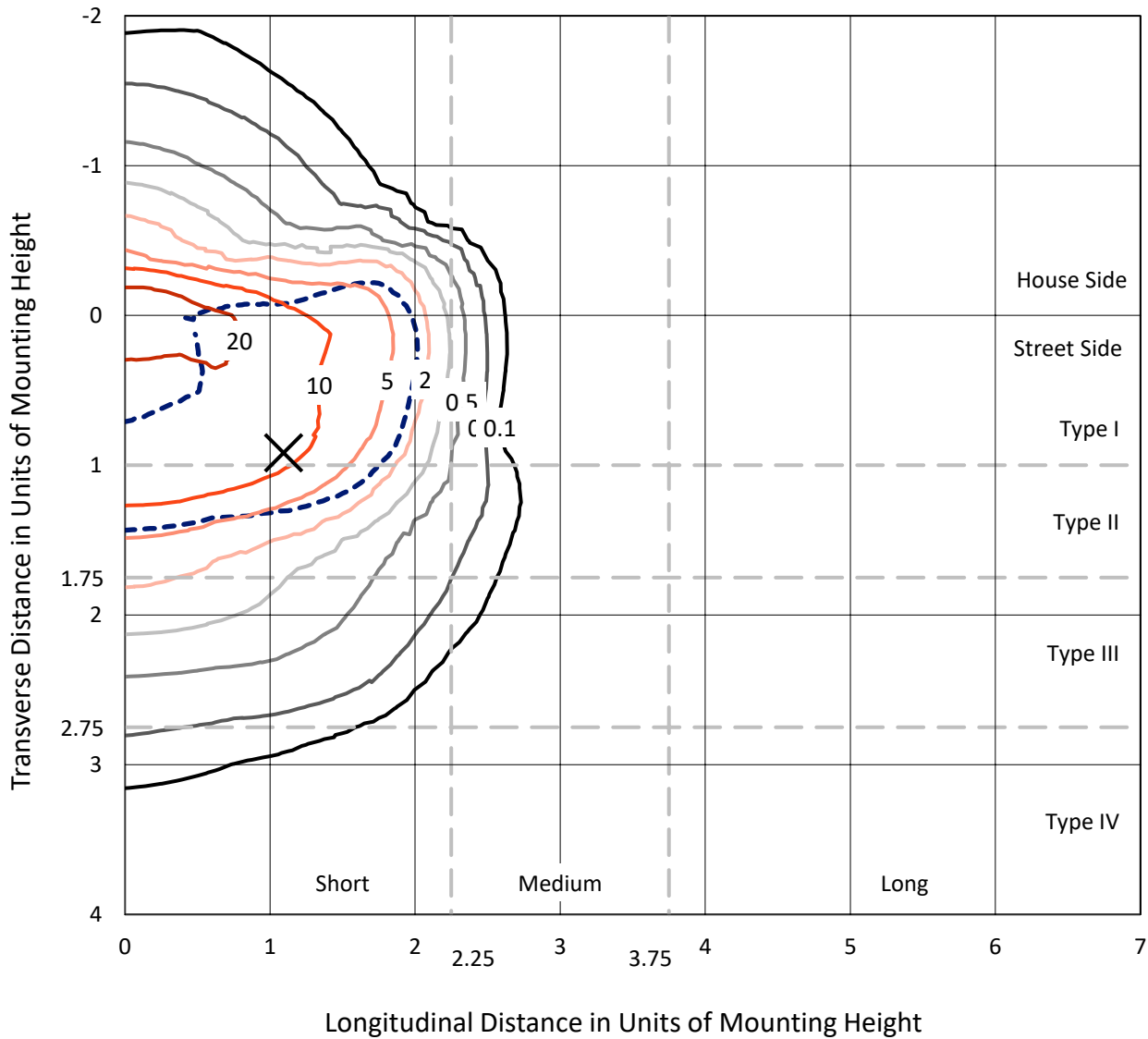
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

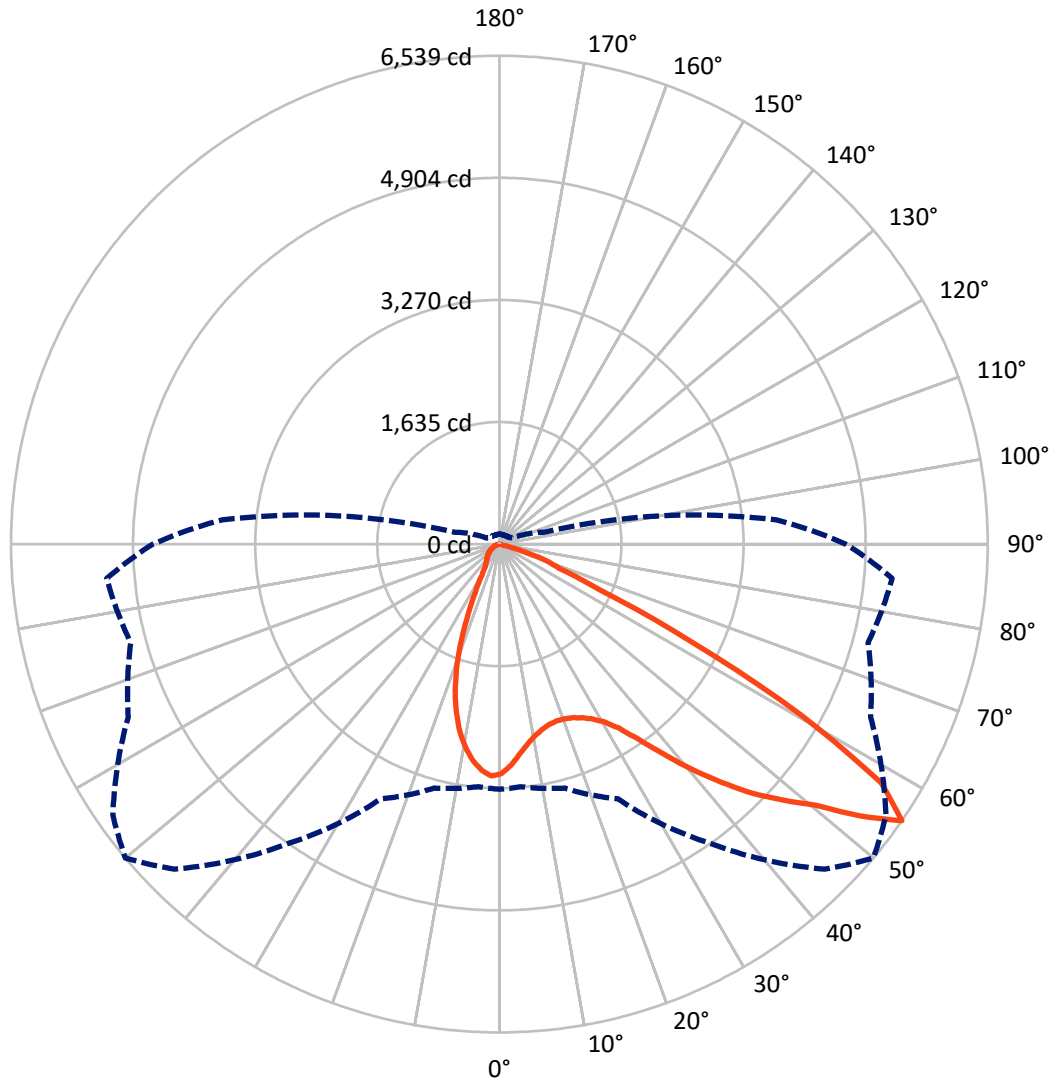
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.7 fc
 Type II - Short - N/A

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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	1726.9	0.0	1726.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	7037.1	0.0	7037.1
	% Fixture	80.3	0.0	80.3
Total	Lumens	8764.0	0.0	8764.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.0	3.1
10°-20°	664.5	7.6
20°-30°	937.3	10.7
30°-40°	1387.1	15.8
40°-50°	2001.1	22.8
50°-60°	2360.4	26.9
60°-70°	1052.9	12.0
70°-80°	90.5	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°	8764.0	100.0
0°-180°	8764.0	100.0

Coefficient of Utilization



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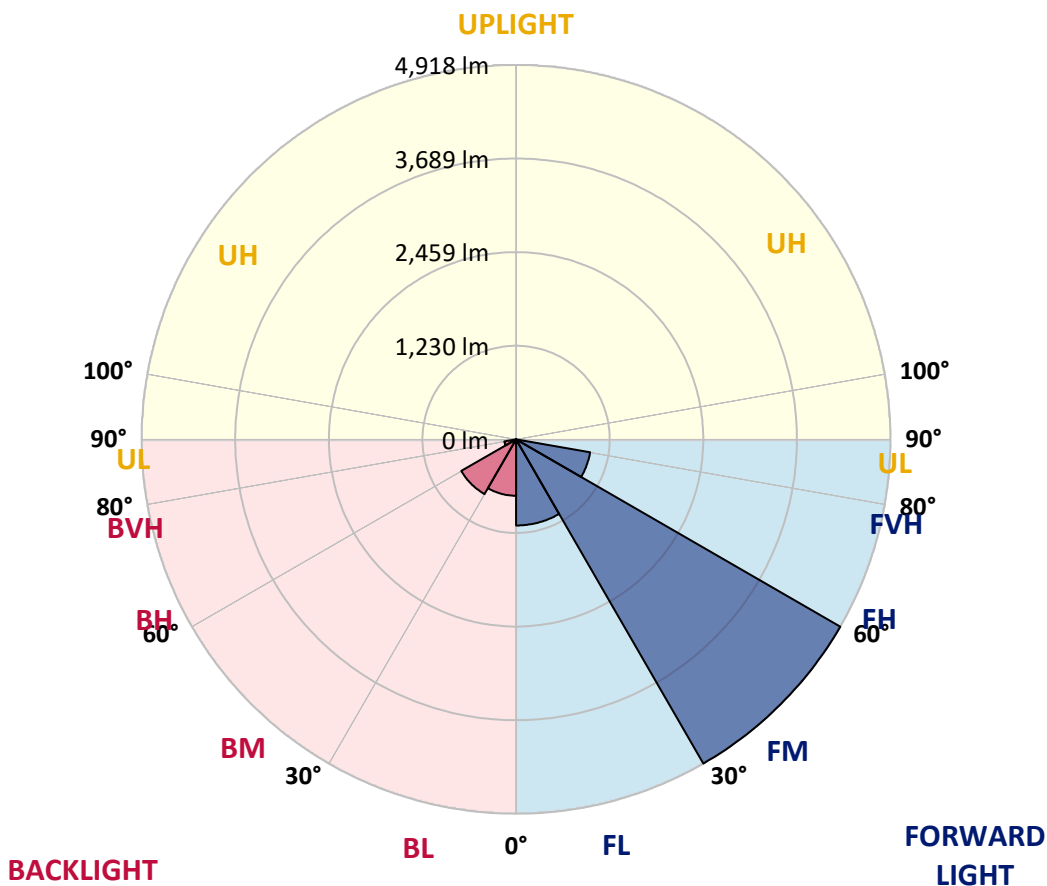
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1131.5	12.9			
FM (30°-60°)	4918.1	56.1			
FH (60°-80°)	987.5	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	740.4	8.4	B2/1000		
BM (30°-60°)	830.5	9.5	B1/1000		
BH (60°-80°)	155.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9
2.5°	2856.6	2858.8	2859.8	2888.7	2899.4	2942.2	2964.7	2976.5	3007.5	3043.9	3073.8
5°	2665.1	2661.9	2667.3	2703.6	2727.2	2790.3	2824.5	2848.1	2916.6	3002.1	3073.8
7.5°	2498.2	2504.6	2511.1	2550.6	2586.0	2654.4	2703.6	2738.9	2834.2	2961.5	3082.4
10°	2380.5	2380.5	2390.2	2435.1	2476.8	2561.3	2610.6	2655.5	2768.9	2925.1	3092.0
12.5°	2293.9	2294.9	2306.7	2358.1	2406.2	2493.9	2545.3	2589.2	2714.3	2888.7	3094.2
15°	2253.2	2250.0	2259.6	2314.2	2367.7	2450.1	2503.6	2546.4	2675.8	2868.4	3104.9
17.5°	2242.5	2240.4	2247.9	2301.4	2355.9	2436.2	2488.6	2531.4	2670.5	2874.8	3137.0
20°	2273.5	2269.3	2266.1	2312.1	2363.4	2442.6	2497.2	2545.3	2696.2	2910.1	3186.2
22.5°	2347.4	2347.4	2339.9	2362.3	2396.6	2468.3	2525.0	2588.1	2763.6	2980.7	3258.9
25°	2483.2	2472.5	2458.6	2468.3	2464.0	2508.9	2576.3	2664.1	2890.9	3097.4	3347.7
27.5°	2638.4	2648.0	2624.5	2625.5	2588.1	2572.0	2650.1	2782.8	3080.2	3262.1	3479.3
30°	2849.1	2841.7	2842.7	2839.5	2752.9	2676.9	2761.4	2938.0	3318.8	3513.6	3650.5
32.5°	3013.9	3024.6	3059.9	3080.2	2966.8	2844.9	2934.7	3148.7	3590.6	3800.3	3860.2
35°	3188.3	3207.6	3279.2	3345.6	3250.4	3110.2	3206.5	3428.0	3846.3	4083.8	4100.9
37.5°	3372.3	3410.8	3496.4	3613.1	3598.1	3474.0	3561.7	3756.4	4047.4	4255.0	4299.9
40°	3583.1	3620.5	3760.7	3928.7	3964.0	3936.2	3965.1	4078.5	4180.1	4262.5	4385.5
42.5°	3814.2	3865.6	4043.2	4267.8	4400.5	4425.1	4357.7	4345.9	4237.9	4176.9	4367.3
45°	4087.0	4146.9	4348.1	4639.1	4849.9	4883.0	4766.4	4615.6	4274.3	4113.8	4312.8
47.5°	4393.0	4449.7	4649.8	4999.7	5313.1	5326.0	5122.7	4879.8	4382.3	4186.5	4354.5
50°	4495.7	4531.0	4704.4	5115.2	5692.9	5791.4	5497.2	5177.3	4599.5	4400.5	4557.8
52.5°	4142.7	4156.6	4307.4	4722.5	5615.9	6248.2	6043.9	5621.3	4985.7	4726.8	4871.3
55°	3282.5	3260.0	3382.0	3762.8	4880.9	6155.1	6539.2	6318.8	5483.2	5109.9	5278.9
57.5°	2296.0	2269.3	2241.4	2499.3	3641.9	5217.9	6025.7	6416.2	5957.2	5489.7	5718.6
60°	1887.3	1861.6	1726.8	1608.1	2201.9	3746.8	4628.4	5363.4	5918.7	5470.4	5704.7
62.5°	1630.5	1615.6	1561.0	1399.4	1295.7	2138.7	2898.4	3602.4	4541.7	4295.7	4308.5
65°	1280.7	1276.4	1313.8	1331.0	1145.9	1183.3	1478.6	1872.3	2455.4	2315.3	2195.4
67.5°	875.2	865.6	936.2	1151.2	1102.0	934.0	865.6	873.0	1062.4	649.4	515.7
70°	556.3	533.9	535.0	713.6	896.6	737.2	667.6	587.4	528.5	96.3	109.1
72.5°	356.3	342.4	294.2	322.0	415.1	359.5	362.7	312.4	208.6	51.4	59.9
75°	149.8	138.0	105.9	84.5	83.5	52.4	46.0	42.8	28.9	28.9	31.0
77.5°	1.1	0.0	0.0	1.1	2.1	1.1	1.1	2.1	4.3	6.4	7.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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°	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9	3074.9
2.5°	3092.0	3066.3	3095.2	3105.9	3104.9	3105.9	3074.9	3053.5	3052.4	3025.7	3012.8
5°	3103.8	3083.5	3104.9	3090.9	3057.8	3016.1	2960.4	2912.3	2890.9	2859.8	2844.9
7.5°	3126.3	3104.9	3101.6	3046.0	2963.6	2875.9	2777.5	2689.7	2642.7	2586.0	2589.2
10°	3142.3	3117.7	3076.0	2962.6	2825.6	2685.5	2538.9	2408.3	2326.0	2250.0	2237.2
12.5°	3148.7	3112.3	3015.0	2843.8	2651.2	2468.3	2253.2	2067.1	1938.7	1839.2	1825.3
15°	3160.5	3101.6	2936.9	2700.4	2436.2	2177.3	1903.4	1648.7	1478.6	1364.1	1373.8
17.5°	3178.7	3089.9	2849.1	2539.9	2205.1	1839.2	1469.0	1176.9	1020.7	954.4	955.4
20°	3204.4	3076.0	2752.9	2363.4	1928.0	1457.2	1027.1	806.7	762.8	760.7	757.5
22.5°	3238.6	3062.1	2650.1	2169.8	1599.5	1020.7	683.7	615.2	633.4	668.7	675.1
25°	3279.2	3044.9	2535.7	1951.5	1241.1	669.8	512.5	501.8	545.7	592.7	603.4
27.5°	3342.4	3036.4	2405.1	1703.3	870.9	480.4	419.4	425.8	465.4	505.0	514.6
30°	3449.4	3052.4	2262.8	1425.1	559.6	383.0	363.8	373.4	394.8	415.1	423.7
32.5°	3594.9	3099.5	2124.8	1121.3	399.1	332.7	328.5	333.8	342.4	354.1	357.3
35°	3765.0	3180.8	1982.5	802.4	329.5	303.9	299.6	299.6	303.9	306.0	307.1
37.5°	3905.1	3266.4	1848.8	533.9	295.3	281.4	275.0	271.8	270.7	272.8	273.9
40°	3966.1	3301.7	1703.3	388.4	270.7	261.1	251.4	241.8	241.8	249.3	250.4
42.5°	3923.3	3262.1	1535.3	321.0	253.6	239.7	224.7	216.1	220.4	227.9	230.0
45°	3832.4	3164.8	1350.2	283.5	236.4	218.3	201.1	195.8	200.1	209.7	211.8
47.5°	3817.4	3100.6	1128.7	258.9	218.3	200.1	181.9	176.5	181.9	189.4	191.5
50°	3966.1	3156.2	882.7	237.5	201.1	180.8	165.8	160.5	163.7	168.0	170.1
52.5°	4237.9	3362.7	712.6	217.2	180.8	161.6	151.9	145.5	145.5	149.8	150.9
55°	4639.1	3723.3	615.2	193.7	157.3	146.6	138.0	131.6	131.6	133.7	134.8
57.5°	5101.3	4159.8	637.7	162.6	138.0	132.7	125.2	119.8	122.0	122.0	122.0
60°	5037.1	4127.7	682.6	136.9	122.0	119.8	113.4	111.3	116.6	112.3	110.2
62.5°	3710.4	2851.3	357.3	112.3	104.9	102.7	98.4	102.7	110.2	98.4	94.2
65°	1801.7	1380.2	143.4	92.0	88.8	86.7	84.5	90.9	95.2	77.0	72.8
67.5°	423.7	344.5	93.1	78.1	73.8	69.5	71.7	72.8	69.5	52.4	50.3
70°	110.2	108.1	72.8	65.3	58.8	54.6	54.6	53.5	46.0	33.2	31.0
72.5°	59.9	58.8	52.4	49.2	40.7	36.4	37.4	33.2	25.7	19.3	18.2
75°	30.0	32.1	30.0	27.8	22.5	20.3	20.3	18.2	12.8	7.5	7.5
77.5°	6.4	7.5	7.5	6.4	5.3	4.3	4.3	5.3	2.1	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	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)