

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: P633358

Luminaire Tested: GWS-SA2E-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633358  
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-SA2E-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

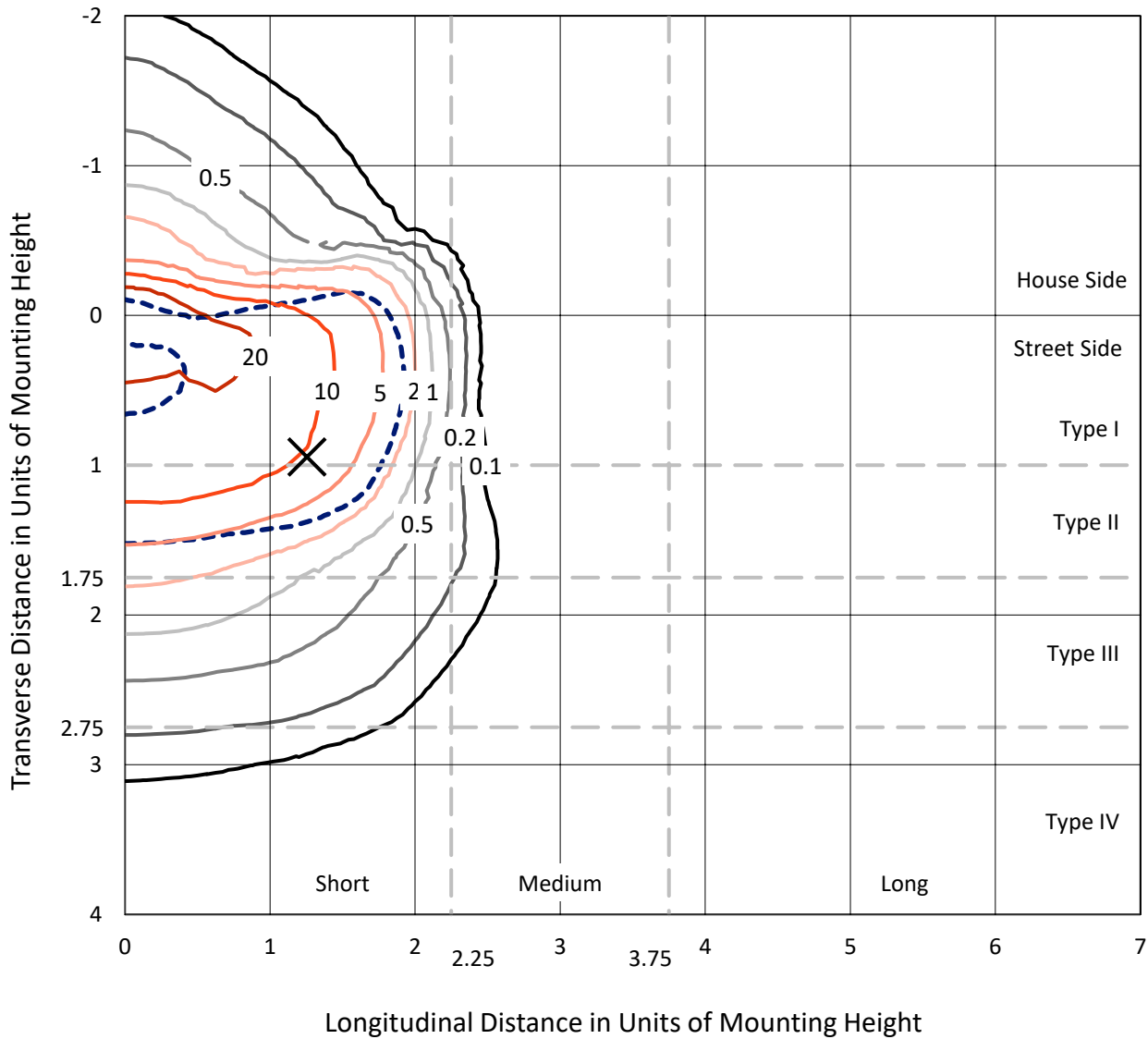
Lumens per Lamp: N/A  
Luminaire Lumens: 8729.8 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

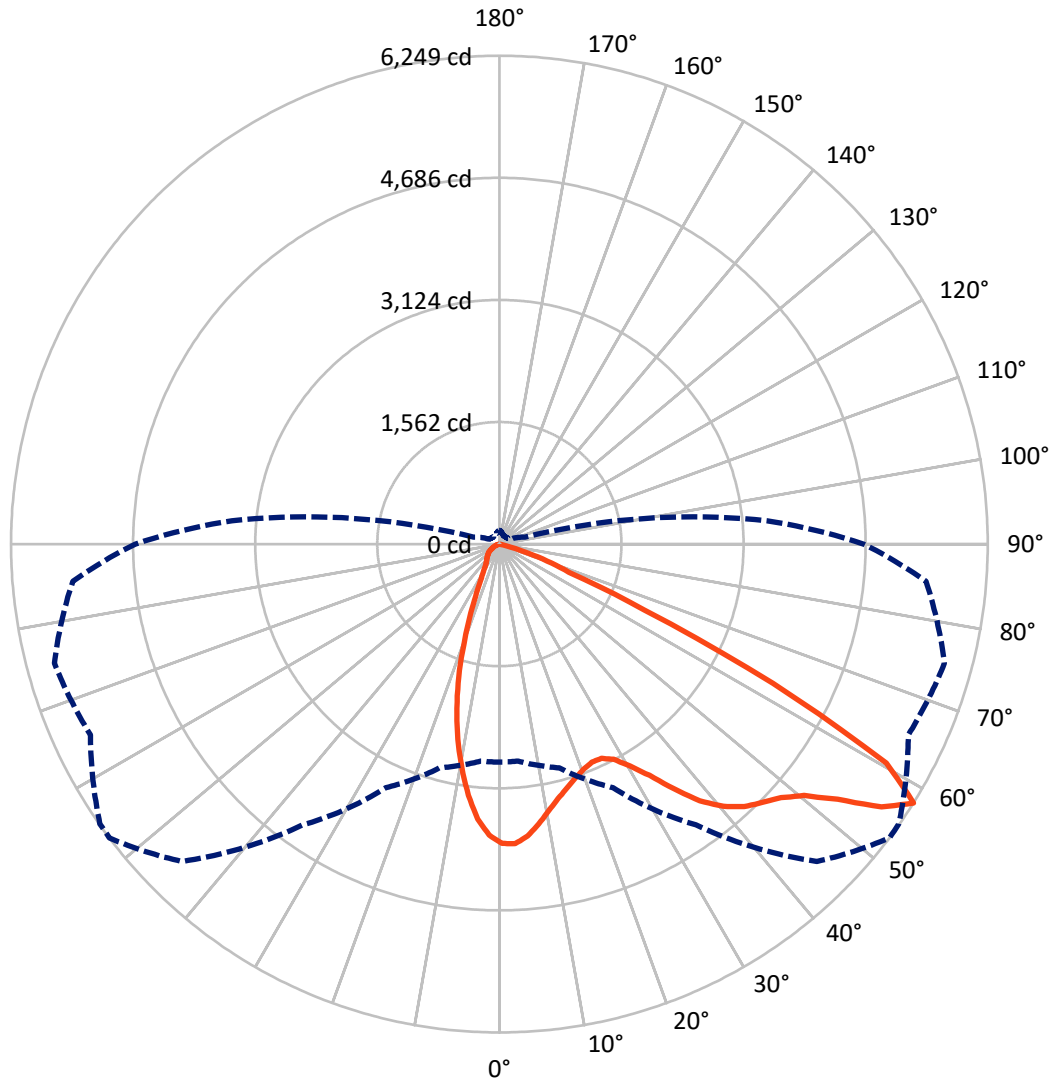
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 38.3 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
<b>House Side</b>	Lumens	1442.0	0.0	1442.0
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	7287.7	0.0	7287.7
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	8729.8	0.0	8729.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.6	3.8
10°-20°	719.3	8.2
20°-30°	937.0	10.7
30°-40°	1359.2	15.6
40°-50°	1961.2	22.5
50°-60°	2371.9	27.2
60°-70°	966.7	11.1
70°-80°	86.9	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°	8729.8	100.0
0°-180°	8729.8	100.0

**Coefficient of Utilization**



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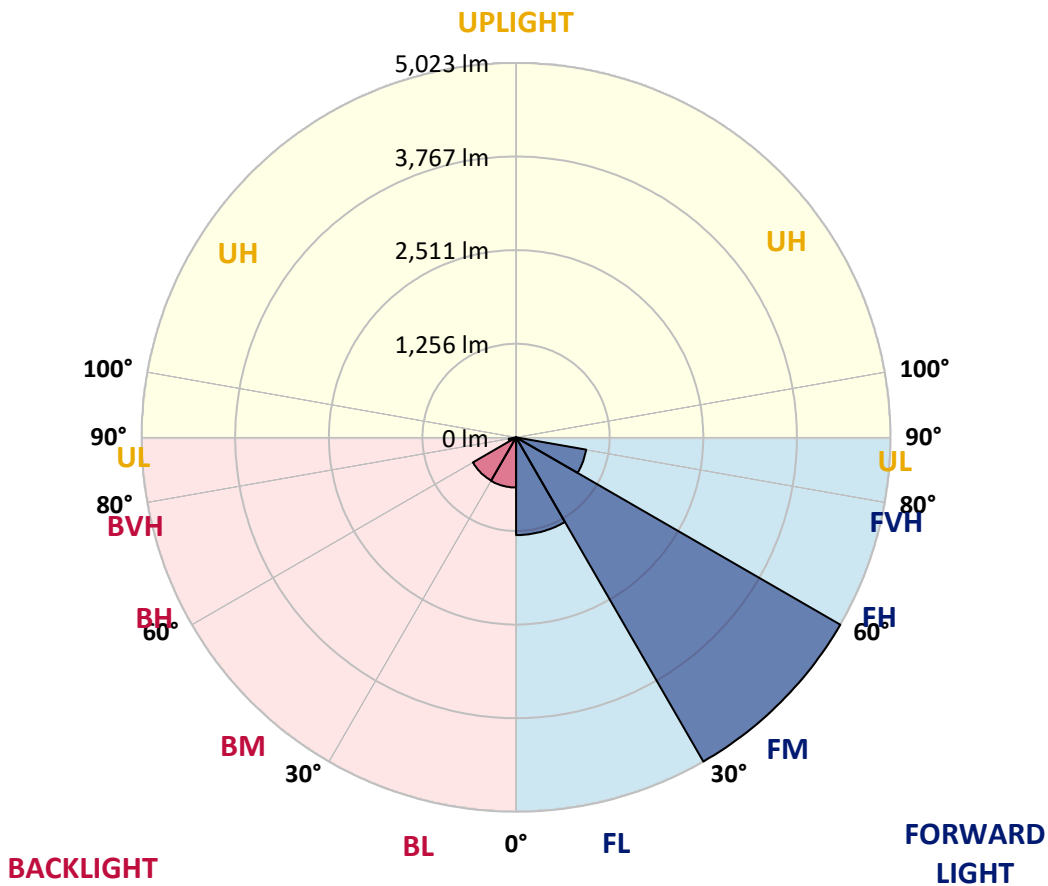
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1310.9	15.0			
FM (30°-60°)	5023.0	57.5			
FH (60°-80°)	953.9	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	673.0	7.7	B2/1000		
BM (30°-60°)	669.3	7.7	B1/1000		
BH (60°-80°)	99.7	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°	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4
2.5°	3775.9	3784.4	3799.4	3818.7	3831.5	3837.9	3837.9	3856.1	3844.4	3834.7	3824.0
5°	3614.3	3622.9	3643.2	3674.2	3705.3	3727.7	3753.4	3772.7	3780.2	3780.2	3762.0
7.5°	3386.4	3398.2	3411.0	3453.8	3521.2	3571.5	3615.4	3643.2	3683.9	3696.7	3671.0
10°	3141.4	3153.2	3182.1	3240.9	3317.9	3392.8	3467.7	3503.1	3572.6	3609.0	3580.1
12.5°	2933.8	2939.2	2977.7	3048.3	3146.8	3249.5	3340.4	3376.8	3475.2	3529.8	3495.6
15°	2762.6	2765.8	2804.4	2882.5	2995.9	3122.1	3236.6	3274.1	3395.0	3477.4	3426.0
17.5°	2633.2	2634.2	2667.4	2751.9	2870.7	3010.9	3146.8	3192.8	3349.0	3448.5	3371.4
20°	2567.9	2564.7	2588.2	2662.1	2774.4	2914.6	3075.1	3131.8	3323.3	3444.2	3329.7
22.5°	2569.0	2561.5	2571.1	2623.5	2718.8	2850.4	3030.1	3094.3	3325.4	3462.4	3294.4
25°	2630.0	2619.3	2621.4	2649.2	2716.6	2836.5	3036.5	3105.0	3368.2	3523.4	3281.6
27.5°	2732.7	2720.9	2720.9	2734.8	2771.2	2880.3	3116.8	3194.9	3482.7	3642.1	3308.3
30°	2865.4	2853.6	2849.3	2863.2	2893.2	2993.7	3295.5	3376.8	3678.5	3836.9	3393.9
32.5°	3017.3	3003.4	3010.9	3030.1	3059.0	3198.1	3525.5	3633.6	3923.5	4099.0	3548.0
35°	3177.8	3166.0	3200.3	3242.0	3286.9	3481.7	3843.3	3937.5	4224.2	4425.4	3783.4
37.5°	3330.8	3325.4	3397.1	3484.9	3577.9	3821.9	4166.4	4239.2	4482.1	4780.6	4071.2
40°	3483.8	3482.7	3605.8	3759.8	3908.6	4161.1	4411.4	4471.4	4639.3	5056.6	4347.2
42.5°	3655.0	3655.0	3825.1	4030.5	4228.5	4447.8	4591.2	4617.9	4710.0	5216.1	4554.8
45°	3818.7	3828.3	4025.2	4263.8	4498.1	4671.4	4715.3	4717.5	4738.9	5310.2	4727.1
47.5°	3948.2	3956.7	4192.1	4467.1	4719.6	4841.6	4848.0	4838.4	4814.8	5400.1	4859.8
50°	4053.0	4065.8	4311.9	4603.0	4871.5	5005.3	5054.5	5044.9	4984.9	5496.4	4952.8
52.5°	4104.4	4122.6	4353.7	4670.4	5040.6	5285.6	5422.6	5445.0	5239.6	5549.9	5041.7
55°	3693.5	3720.3	3933.2	4366.5	5134.7	5718.9	5934.0	5929.7	5515.6	5709.3	5257.8
57.5°	2789.4	2787.2	2963.8	3437.8	4385.8	5743.5	6248.6	6240.0	5773.5	5894.4	5479.3
60°	1899.2	1886.3	1933.4	2162.4	3066.5	4678.9	5686.8	5802.4	5590.5	5445.0	4652.2
62.5°	1563.2	1551.4	1536.5	1473.3	1761.2	2914.6	3928.9	4104.4	4076.5	3784.4	2917.8
65°	1279.7	1289.3	1331.0	1304.3	1225.1	1494.7	2039.3	2143.1	1959.1	1648.8	1019.7
67.5°	943.7	948.0	1002.6	1143.8	1101.0	995.1	959.8	976.9	572.4	263.2	170.1
70°	557.4	560.7	610.9	800.3	893.4	764.0	648.4	638.8	226.8	70.6	77.0
72.5°	315.6	309.2	318.8	380.9	486.8	405.5	333.8	303.9	68.5	39.6	39.6
75°	149.8	145.5	125.2	117.7	107.0	68.5	42.8	36.4	17.1	16.0	16.0
77.5°	1.1	3.2	2.1	3.2	3.2	2.1	1.1	1.1	3.2	3.2	4.3
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°	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4	3829.4
2.5°	3804.8	3772.7	3765.2	3763.1	3733.1	3701.0	3667.8	3655.0	3635.7	3624.0	3633.6
5°	3733.1	3687.1	3646.4	3609.0	3542.6	3469.9	3406.8	3366.1	3327.6	3301.9	3308.3
7.5°	3631.4	3571.5	3478.4	3383.2	3261.2	3152.1	3030.1	2955.2	2885.7	2847.2	2865.4
10°	3523.4	3444.2	3295.5	3133.9	2942.4	2771.2	2596.8	2454.5	2372.1	2294.0	2302.6
12.5°	3417.5	3312.6	3090.0	2845.0	2603.2	2350.7	2087.5	1890.6	1755.8	1658.4	1643.5
15°	3319.0	3184.2	2890.0	2566.8	2237.3	1901.3	1565.4	1284.0	1127.7	1031.4	1025.0
17.5°	3231.3	3064.4	2682.4	2275.8	1862.8	1432.7	1046.4	835.6	745.8	704.0	699.8
20°	3146.8	2943.5	2470.5	1980.5	1454.1	1005.8	722.2	624.9	596.0	578.8	581.0
22.5°	3065.4	2811.9	2248.0	1653.1	1090.3	706.2	559.6	522.1	518.9	521.1	522.1
25°	2997.0	2691.0	2019.0	1337.5	777.9	538.2	467.6	456.9	466.5	480.4	482.6
27.5°	2961.7	2592.5	1795.4	1019.7	562.8	437.6	405.5	409.8	426.9	441.9	444.0
30°	2971.3	2518.7	1564.3	739.3	433.3	369.1	358.4	367.0	384.1	398.0	400.2
32.5°	3039.8	2481.2	1327.8	538.2	356.3	322.1	317.8	324.2	339.2	349.9	350.9
35°	3175.6	2489.8	1103.1	411.9	306.0	286.7	285.7	290.0	297.4	304.9	306.0
37.5°	3375.7	2559.3	881.6	342.4	277.1	263.2	258.9	258.9	264.3	267.5	269.6
40°	3590.8	2664.2	706.2	302.8	256.8	241.8	233.3	230.0	234.3	238.6	239.7
42.5°	3768.4	2769.1	573.5	275.0	240.7	220.4	209.7	207.6	212.9	220.4	222.6
45°	3904.3	2850.4	478.3	252.5	222.6	200.1	188.3	188.3	197.9	210.8	212.9
47.5°	4028.4	2915.6	407.7	232.2	205.4	181.9	170.1	172.3	188.3	205.4	208.6
50°	4112.9	2968.1	355.2	214.0	191.5	166.9	156.2	160.5	179.8	200.1	203.3
52.5°	4203.9	3032.3	321.0	197.9	178.7	155.1	145.5	148.7	170.1	192.6	196.9
55°	4455.3	3247.3	319.9	176.5	156.2	139.1	134.8	135.9	157.3	183.0	188.3
57.5°	4660.7	3436.7	341.3	148.7	130.5	122.0	119.8	120.9	140.2	169.1	175.5
60°	3856.1	2670.6	282.5	123.0	109.1	107.0	103.8	105.9	124.1	149.8	155.1
62.5°	2282.2	1526.8	134.8	94.2	93.1	90.9	87.7	92.0	109.1	131.6	134.8
65°	780.0	452.6	85.6	77.0	79.2	76.0	72.8	77.0	92.0	104.9	105.9
67.5°	149.8	119.8	68.5	64.2	65.3	58.8	57.8	62.1	70.6	72.8	71.7
70°	78.1	69.5	52.4	52.4	50.3	41.7	41.7	46.0	46.0	42.8	41.7
72.5°	40.7	38.5	34.2	38.5	32.1	25.7	25.7	27.8	25.7	21.4	21.4
75°	16.0	16.0	15.0	19.3	13.9	11.8	10.7	12.8	9.6	7.5	7.5
77.5°	4.3	4.3	4.3	5.3	3.2	3.2	2.1	2.1	1.1	0.0	0.0
80°	0.0	1.1	0.0	1.1	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)