

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: P633248

Luminaire Tested: GWS-SA2E-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633248
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8417.3 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

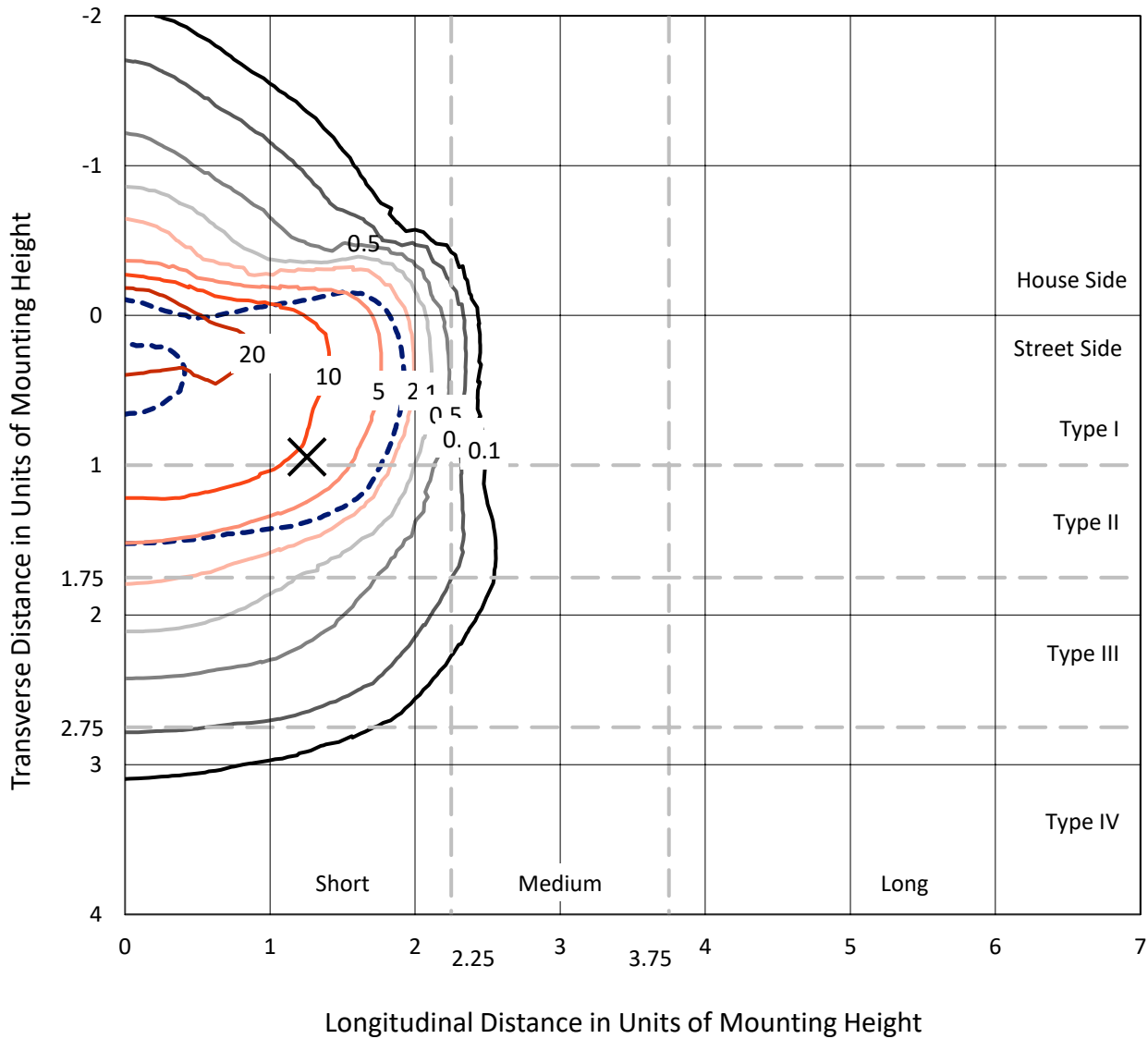
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

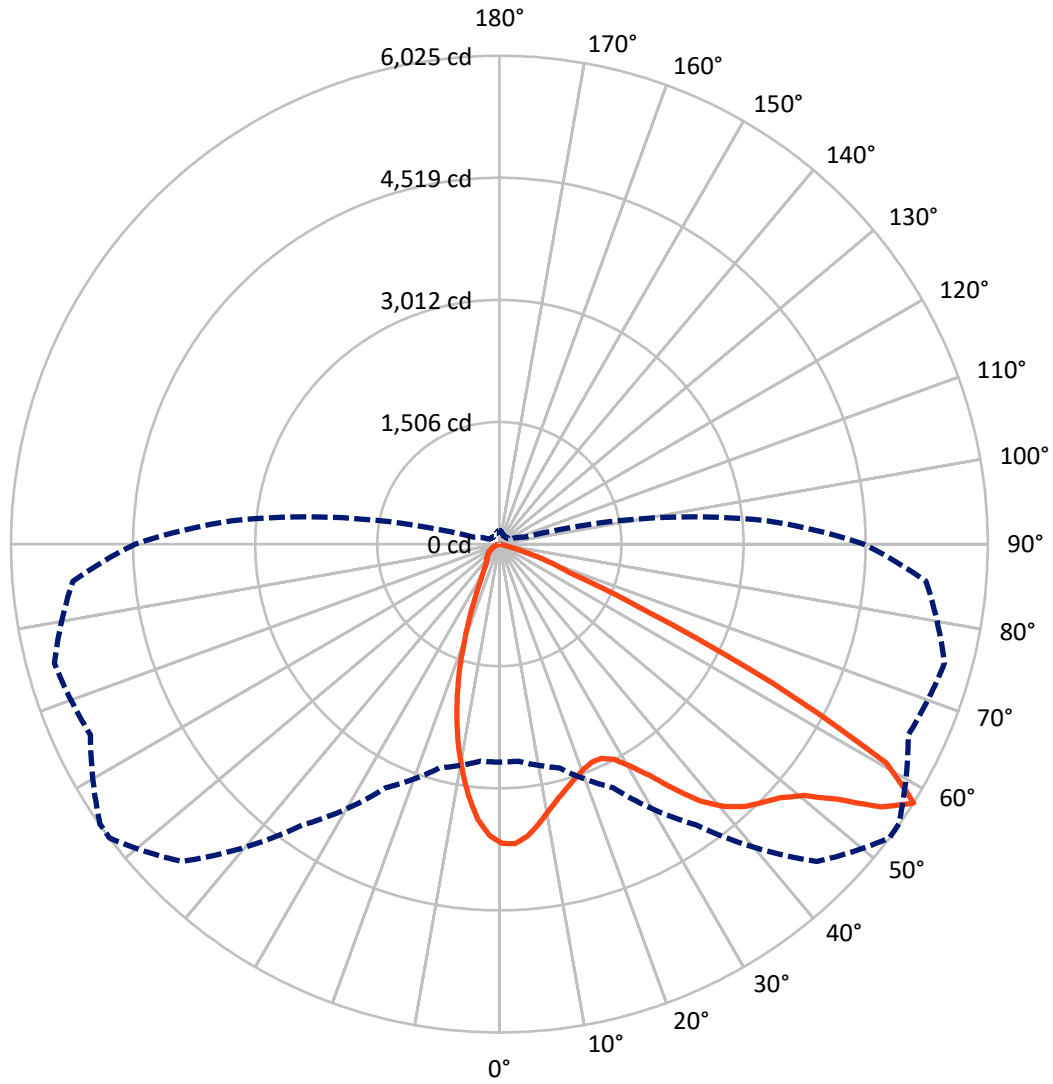
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 36.9 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	1390.4	0.0	1390.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7026.9	0.0	7026.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	8417.3	0.0	8417.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.9	3.8
10°-20°	693.5	8.2
20°-30°	903.5	10.7
30°-40°	1310.5	15.6
40°-50°	1891.0	22.5
50°-60°	2287.0	27.2
60°-70°	932.1	11.1
70°-80°	83.8	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°	8417.3	100.0
0°-180°	8417.3	100.0

Coefficient of Utilization



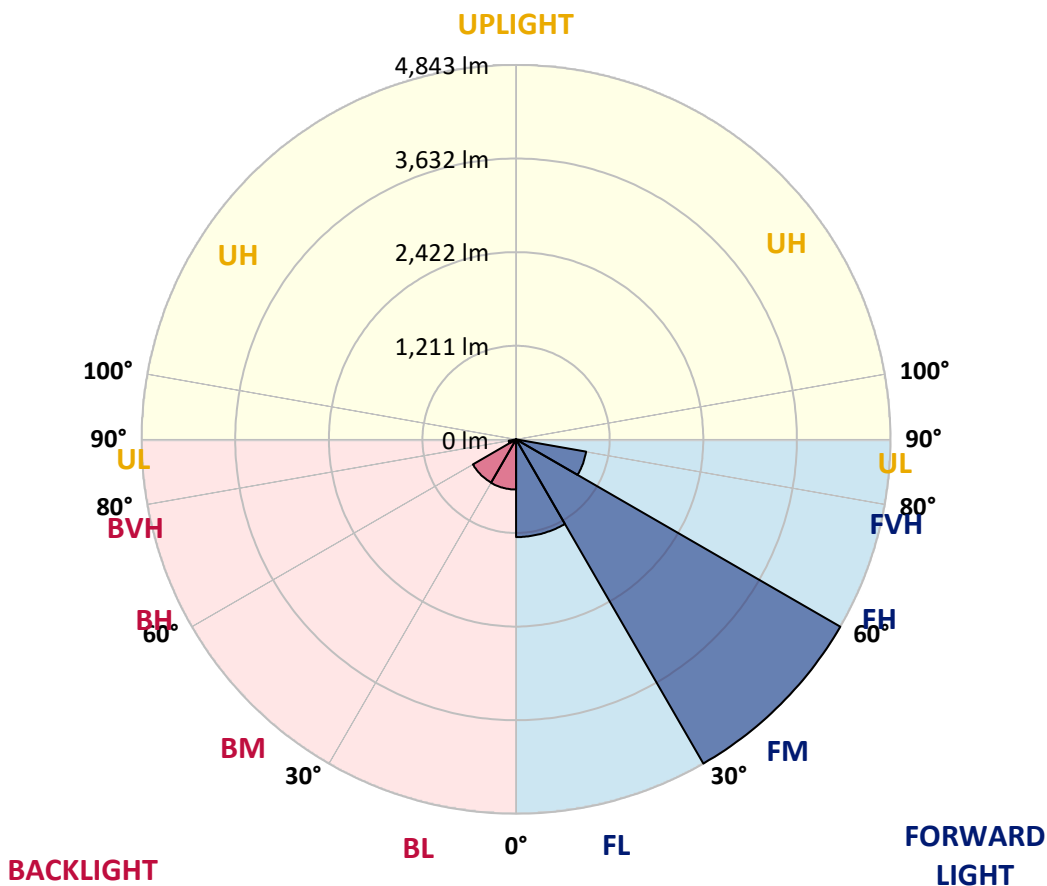
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1264.0	15.0			
FM (30°-60°)	4843.1	57.5			
FH (60°-80°)	919.7	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	648.9	7.7	B2/1000		
BM (30°-60°)	645.4	7.7	B1/1000		
BH (60°-80°)	96.1	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°	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3
2.5°	3640.7	3649.0	3663.4	3682.0	3694.4	3700.6	3700.6	3718.1	3706.8	3697.5	3687.1
5°	3484.9	3493.2	3512.8	3542.7	3572.6	3594.3	3619.1	3637.6	3644.9	3644.9	3627.3
7.5°	3265.2	3276.5	3288.9	3330.2	3395.2	3443.7	3486.0	3512.8	3552.0	3564.4	3539.6
10°	3029.0	3040.3	3068.2	3124.9	3199.2	3271.4	3343.6	3377.7	3444.7	3479.8	3451.9
12.5°	2828.8	2834.0	2871.1	2939.2	3034.1	3133.1	3220.8	3255.9	3350.8	3403.4	3370.4
15°	2663.7	2666.8	2704.0	2779.3	2888.6	3010.4	3120.8	3156.9	3273.5	3352.9	3303.4
17.5°	2538.9	2539.9	2571.9	2653.4	2767.9	2903.1	3034.1	3078.5	3229.1	3325.0	3250.8
20°	2476.0	2472.9	2495.6	2566.8	2675.1	2810.2	2965.0	3019.7	3204.3	3320.9	3210.5
22.5°	2477.0	2469.8	2479.1	2529.6	2621.4	2748.3	2921.7	2983.6	3206.4	3338.4	3176.5
25°	2535.8	2525.5	2527.6	2554.4	2619.4	2734.9	2927.8	2993.9	3247.7	3397.3	3164.1
27.5°	2634.9	2623.5	2623.5	2636.9	2672.0	2777.2	3005.2	3080.5	3358.1	3511.8	3189.9
30°	2762.8	2751.4	2747.3	2760.7	2789.6	2886.6	3177.5	3255.9	3546.8	3699.5	3272.4
32.5°	2909.3	2895.9	2903.1	2921.7	2949.5	3083.6	3399.3	3503.5	3783.1	3952.3	3421.0
35°	3064.0	3052.7	3085.7	3125.9	3169.3	3357.0	3705.7	3796.5	4073.0	4266.9	3647.9
37.5°	3211.6	3206.4	3275.5	3360.1	3449.9	3685.1	4017.3	4087.4	4321.6	4609.5	3925.5
40°	3359.1	3358.1	3476.7	3625.2	3768.7	4012.1	4253.5	4311.3	4473.3	4875.6	4191.6
42.5°	3524.1	3524.1	3688.2	3886.3	4077.1	4288.6	4426.8	4452.6	4541.4	5029.3	4391.8
45°	3682.0	3691.3	3881.1	4111.2	4337.1	4504.2	4546.5	4548.6	4569.2	5120.1	4557.9
47.5°	3806.8	3815.1	4042.0	4307.2	4550.6	4668.3	4674.4	4665.2	4642.5	5206.8	4685.8
50°	3907.9	3920.3	4157.6	4438.2	4697.1	4826.1	4873.6	4864.3	4806.5	5299.6	4775.5
52.5°	3957.4	3975.0	4197.8	4503.2	4860.1	5096.4	5228.4	5250.1	5052.0	5351.2	4861.2
55°	3561.3	3587.1	3792.4	4210.2	4950.9	5514.2	5721.6	5717.5	5318.2	5504.9	5069.6
57.5°	2689.5	2687.5	2857.7	3314.7	4228.8	5537.9	6024.9	6016.6	5566.8	5683.4	5283.1
60°	1831.2	1818.8	1864.2	2085.0	2956.7	4511.4	5483.3	5594.7	5390.4	5250.1	4485.7
62.5°	1507.3	1495.9	1481.5	1420.6	1698.1	2810.2	3788.3	3957.4	3930.6	3649.0	2813.3
65°	1233.9	1243.1	1283.4	1257.6	1181.2	1441.2	1966.3	2066.4	1889.0	1589.8	983.2
67.5°	909.9	914.0	966.7	1102.8	1061.6	959.4	925.4	941.9	551.9	253.8	164.0
70°	537.5	540.6	589.1	771.7	861.4	736.6	625.2	615.9	218.7	68.1	74.3
72.5°	304.3	298.1	307.4	367.3	469.4	391.0	321.9	293.0	66.0	38.2	38.2
75°	144.4	140.3	120.7	113.5	103.2	66.0	41.3	35.1	16.5	15.5	15.5
77.5°	1.0	3.1	2.1	3.1	3.1	2.1	1.0	1.0	3.1	3.1	4.1
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°	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3
2.5°	3668.6	3637.6	3630.4	3628.3	3599.5	3568.5	3536.5	3524.1	3505.6	3494.2	3503.5
5°	3599.5	3555.1	3515.9	3479.8	3415.8	3345.7	3284.8	3245.6	3208.5	3183.7	3189.9
7.5°	3501.5	3443.7	3353.9	3262.1	3144.5	3039.3	2921.7	2849.4	2782.4	2745.2	2762.8
10°	3397.3	3320.9	3177.5	3021.7	2837.1	2672.0	2503.8	2366.6	2287.2	2211.9	2220.1
12.5°	3295.1	3194.0	2979.4	2743.2	2510.0	2266.6	2012.8	1822.9	1693.0	1599.1	1584.6
15°	3200.2	3070.2	2786.5	2474.9	2157.2	1833.3	1509.3	1238.0	1087.4	994.5	988.3
17.5°	3115.6	2954.7	2586.4	2194.3	1796.1	1381.4	1009.0	805.7	719.1	678.8	674.7
20°	3034.1	2838.1	2382.1	1909.6	1402.0	969.8	696.4	602.5	574.6	558.1	560.2
22.5°	2955.7	2711.2	2167.5	1593.9	1051.3	680.9	539.6	503.4	500.4	502.4	503.4
25°	2889.7	2594.6	1946.7	1289.6	750.0	518.9	450.8	440.5	449.8	463.2	465.3
27.5°	2855.6	2499.7	1731.1	983.2	542.7	421.9	391.0	395.1	411.6	426.1	428.1
30°	2864.9	2428.5	1508.3	712.9	417.8	355.9	345.6	353.9	370.4	383.8	385.8
32.5°	2930.9	2392.4	1280.3	518.9	343.5	310.5	306.4	312.6	327.0	337.4	338.4
35°	3062.0	2400.7	1063.6	397.2	295.1	276.5	275.5	279.6	286.8	294.0	295.1
37.5°	3254.9	2467.7	850.1	330.1	267.2	253.8	249.7	249.7	254.8	257.9	260.0
40°	3462.2	2568.8	680.9	292.0	247.6	233.2	224.9	221.8	225.9	230.1	231.1
42.5°	3633.5	2669.9	553.0	265.1	232.1	212.5	202.2	200.1	205.3	212.5	214.6
45°	3764.5	2748.3	461.2	243.5	214.6	192.9	181.6	181.6	190.9	203.2	205.3
47.5°	3884.2	2811.3	393.1	223.9	198.1	175.4	164.0	166.1	181.6	198.1	201.2
50°	3965.7	2861.8	342.5	206.3	184.7	160.9	150.6	154.7	173.3	192.9	196.0
52.5°	4053.4	2923.7	309.5	190.9	172.3	149.6	140.3	143.4	164.0	185.7	189.8
55°	4295.8	3131.1	308.5	170.2	150.6	134.1	130.0	131.0	151.7	176.4	181.6
57.5°	4493.9	3313.7	329.1	143.4	125.9	117.6	115.5	116.6	135.1	163.0	169.2
60°	3718.1	2575.0	272.4	118.6	105.2	103.2	100.1	102.1	119.7	144.4	149.6
62.5°	2200.5	1472.2	130.0	90.8	89.8	87.7	84.6	88.7	105.2	126.9	130.0
65°	752.1	436.4	82.5	74.3	76.3	73.2	70.2	74.3	88.7	101.1	102.1
67.5°	144.4	115.5	66.0	61.9	62.9	56.7	55.7	59.8	68.1	70.2	69.1
70°	75.3	67.1	50.6	50.6	48.5	40.2	40.2	44.4	44.4	41.3	40.2
72.5°	39.2	37.1	33.0	37.1	30.9	24.8	24.8	26.8	24.8	20.6	20.6
75°	15.5	15.5	14.4	18.6	13.4	11.3	10.3	12.4	9.3	7.2	7.2
77.5°	4.1	4.1	4.1	5.2	3.1	3.1	2.1	2.1	1.0	0.0	0.0
80°	0.0	1.0	0.0	1.0	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

(END OF REPORT)