

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: P636823

Luminaire Tested: GWS-SA4B-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636823
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-SA4B-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8660 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

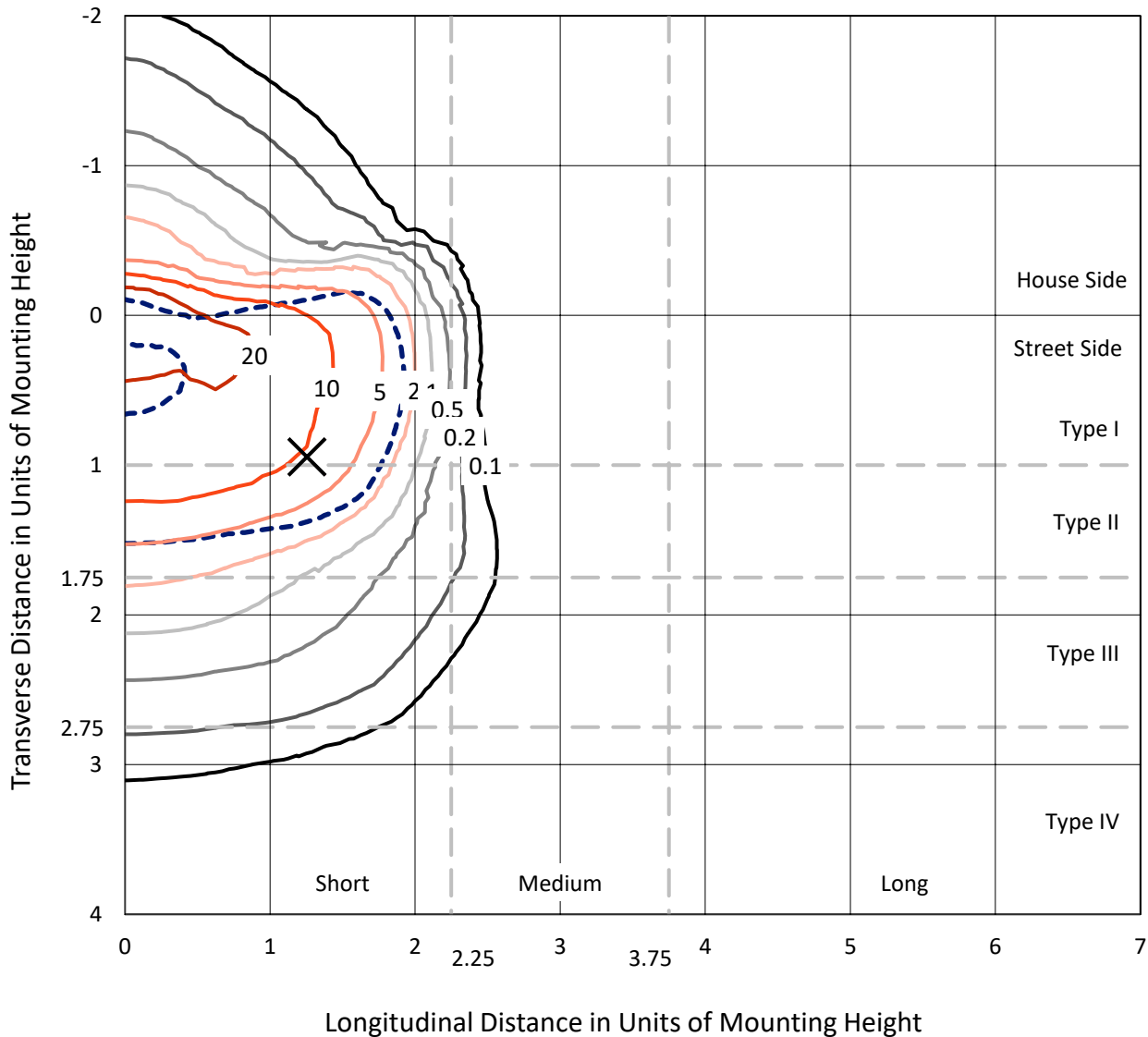
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

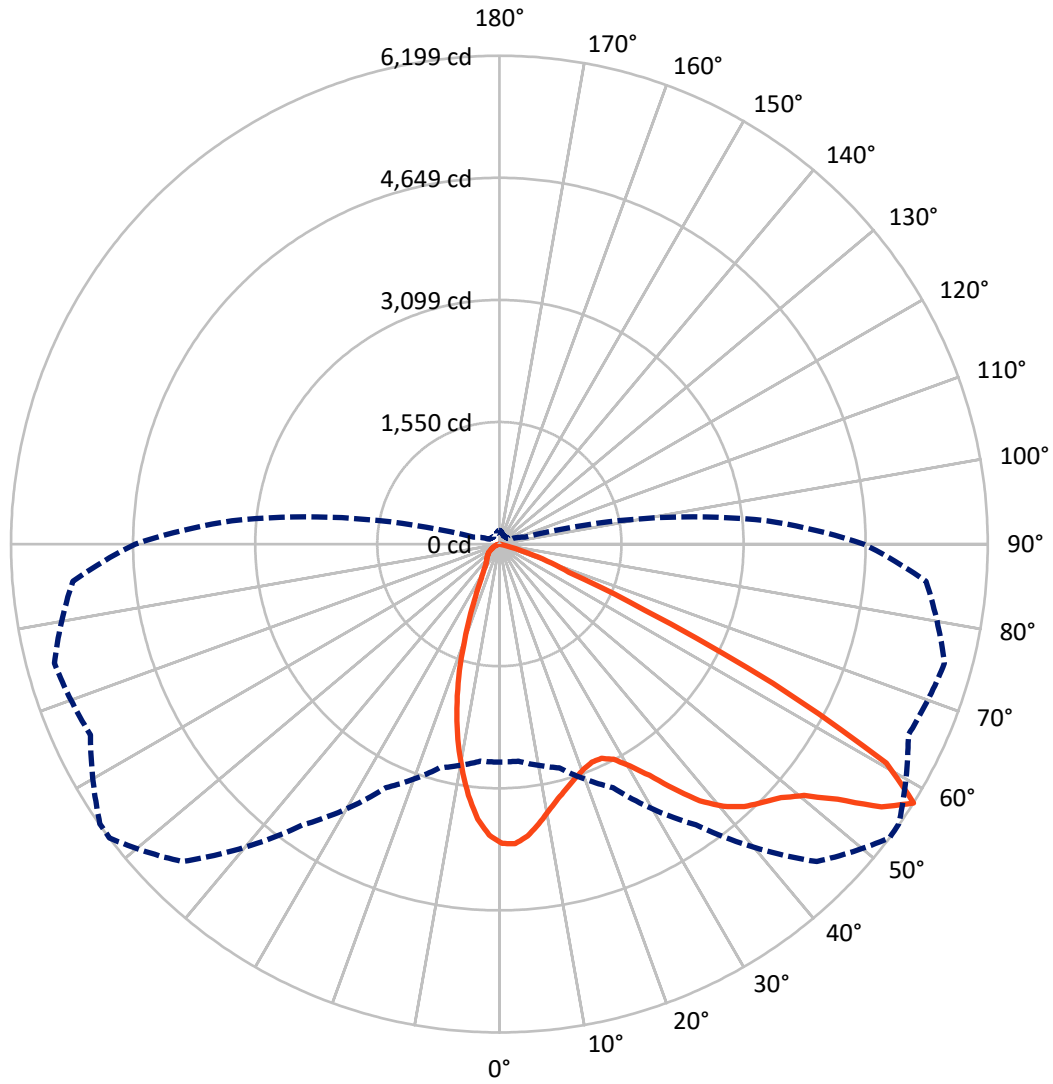
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 38 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	1430.5	0.0	1430.5
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7229.5	0.0	7229.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	8660.0	0.0	8660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.0	3.8
10°-20°	713.5	8.2
20°-30°	929.5	10.7
30°-40°	1348.3	15.6
40°-50°	1945.5	22.5
50°-60°	2352.9	27.2
60°-70°	959.0	11.1
70°-80°	86.2	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°	8660.0	100.0
0°-180°	8660.0	100.0

Coefficient of Utilization



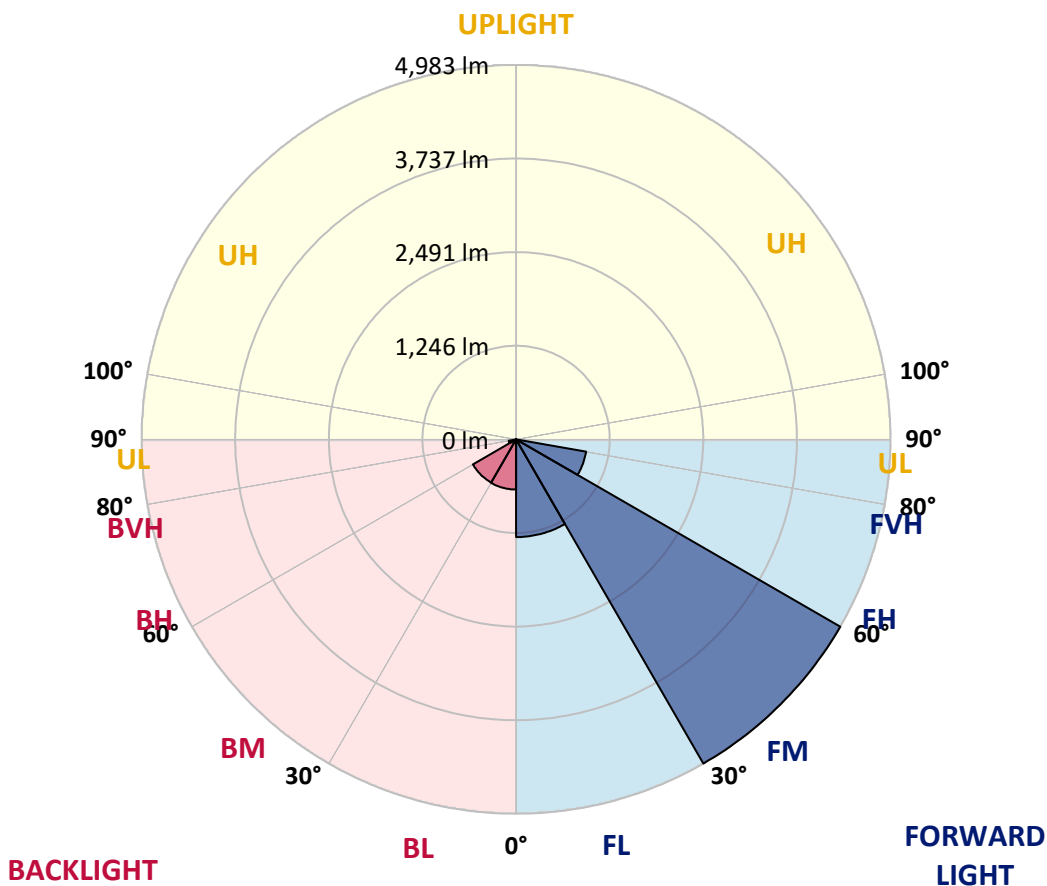
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.4	15.0			
FM (30°-60°)	4982.8	57.5			
FH (60°-80°)	946.2	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	667.6	7.7	B2/1000		
BM (30°-60°)	664.0	7.7	B1/1000		
BH (60°-80°)	98.9	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°	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8
2.5°	3745.7	3754.2	3769.1	3788.2	3800.9	3807.3	3807.3	3825.3	3813.6	3804.1	3793.5
5°	3585.4	3593.9	3614.1	3644.9	3675.6	3697.9	3723.4	3742.5	3749.9	3749.9	3731.9
7.5°	3359.3	3371.0	3383.8	3426.2	3493.1	3543.0	3586.5	3614.1	3654.4	3667.2	3641.7
10°	3116.3	3128.0	3156.6	3215.0	3291.4	3365.7	3440.0	3475.0	3544.0	3580.1	3551.5
12.5°	2910.4	2915.7	2953.9	3023.9	3121.6	3223.5	3313.7	3349.8	3447.4	3501.6	3467.6
15°	2740.5	2743.7	2781.9	2859.4	2971.9	3097.2	3210.8	3247.9	3367.8	3449.6	3398.6
17.5°	2612.1	2613.2	2646.1	2729.9	2847.8	2986.8	3121.6	3167.2	3322.2	3420.9	3344.5
20°	2547.4	2544.2	2567.5	2640.8	2752.2	2891.3	3050.5	3106.7	3296.7	3416.7	3303.1
22.5°	2548.4	2541.0	2550.6	2602.6	2697.0	2827.6	3005.9	3069.6	3298.8	3434.7	3268.1
25°	2608.9	2598.3	2600.4	2628.0	2694.9	2813.8	3012.3	3080.2	3341.3	3495.2	3255.3
27.5°	2710.8	2699.2	2699.2	2713.0	2749.0	2857.3	3091.9	3169.4	3454.9	3613.0	3281.9
30°	2842.4	2830.8	2826.5	2840.3	2870.0	2969.8	3269.1	3349.8	3649.1	3806.2	3366.8
32.5°	2993.2	2979.4	2986.8	3005.9	3034.6	3172.5	3497.3	3604.5	3892.2	4066.2	3519.6
35°	3152.4	3140.7	3174.7	3216.1	3260.6	3453.8	3812.6	3906.0	4190.4	4390.0	3753.1
37.5°	3304.2	3298.8	3370.0	3457.0	3549.3	3791.3	4133.1	4205.3	4446.2	4742.4	4038.6
40°	3455.9	3454.9	3576.9	3729.8	3877.3	4127.8	4376.2	4435.6	4602.3	5016.2	4312.5
42.5°	3625.8	3625.8	3794.5	3998.3	4194.7	4412.3	4554.5	4581.0	4672.3	5174.4	4518.4
45°	3788.2	3797.7	3993.0	4229.7	4462.1	4634.1	4677.6	4679.7	4701.0	5267.8	4689.3
47.5°	3916.6	3925.1	4158.6	4431.4	4681.9	4802.9	4809.2	4799.7	4776.3	5356.9	4820.9
50°	4020.6	4033.3	4277.5	4566.2	4832.6	4965.3	5014.1	5004.5	4945.1	5452.4	4913.2
52.5°	4071.6	4089.6	4318.9	4633.0	5000.3	5243.3	5379.2	5401.5	5197.7	5505.5	5001.3
55°	3664.0	3690.5	3901.7	4331.6	5093.7	5673.2	5886.6	5882.3	5471.5	5663.7	5215.7
57.5°	2767.1	2765.0	2940.1	3410.3	4350.7	5697.6	6198.6	6190.1	5727.3	5847.3	5435.5
60°	1884.0	1871.3	1918.0	2145.1	3042.0	4641.5	5641.4	5756.0	5545.8	5401.5	4615.0
62.5°	1550.7	1539.0	1524.2	1461.6	1747.1	2891.3	3897.5	4071.6	4044.0	3754.2	2894.5
65°	1269.4	1279.0	1320.4	1293.9	1215.3	1482.8	2023.0	2126.0	1943.4	1635.6	1011.5
67.5°	936.2	940.4	994.5	1134.6	1092.2	987.1	952.1	969.1	567.9	261.1	168.8
70°	553.0	556.2	606.1	793.9	886.3	757.8	643.2	633.7	225.0	70.1	76.4
72.5°	313.1	306.7	316.3	377.9	482.9	402.3	331.2	301.4	67.9	39.3	39.3
75°	148.6	144.4	124.2	116.8	106.1	67.9	42.5	36.1	17.0	15.9	15.9
77.5°	1.1	3.2	2.1	3.2	3.2	2.1	1.1	1.1	3.2	3.2	4.2
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°	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8	3798.8
2.5°	3774.4	3742.5	3735.1	3733.0	3703.2	3671.4	3638.5	3625.8	3606.7	3595.0	3604.5
5°	3703.2	3657.6	3617.3	3580.1	3514.3	3442.1	3379.5	3339.2	3301.0	3275.5	3281.9
7.5°	3602.4	3543.0	3450.6	3356.2	3235.2	3126.9	3005.9	2931.6	2862.6	2824.4	2842.4
10°	3495.2	3416.7	3269.1	3108.9	2918.9	2749.0	2576.0	2434.9	2353.1	2275.7	2284.1
12.5°	3390.1	3286.1	3065.3	2822.3	2582.4	2331.9	2070.8	1875.5	1741.8	1645.2	1630.3
15°	3292.5	3158.7	2866.9	2546.3	2219.4	1886.1	1552.8	1273.7	1118.7	1023.2	1016.8
17.5°	3205.4	3039.9	2660.9	2257.6	1847.9	1421.2	1038.1	829.0	739.8	698.4	694.2
20°	3121.6	2919.9	2450.8	1964.7	1442.4	997.7	716.4	619.9	591.2	574.2	576.3
22.5°	3040.9	2789.4	2230.0	1639.9	1081.6	700.5	555.1	518.0	514.8	516.9	518.0
25°	2973.0	2669.4	2002.9	1326.8	771.6	533.9	463.8	453.2	462.8	476.6	478.7
27.5°	2938.0	2571.8	1781.0	1011.5	558.3	434.1	402.3	406.5	423.5	438.4	440.5
30°	2947.5	2498.5	1551.8	733.4	429.9	366.2	355.6	364.1	381.0	394.8	397.0
32.5°	3015.5	2461.4	1317.2	533.9	353.4	319.5	315.2	321.6	336.5	347.1	348.1
35°	3150.3	2469.9	1094.3	408.6	303.6	284.5	283.4	287.6	295.1	302.5	303.6
37.5°	3348.7	2538.9	874.6	339.6	274.9	261.1	256.9	256.9	262.2	265.4	267.5
40°	3562.1	2642.9	700.5	300.4	254.7	239.9	231.4	228.2	232.4	236.7	237.8
42.5°	3738.3	2746.9	568.9	272.8	238.8	218.6	208.0	205.9	211.2	218.6	220.8
45°	3873.1	2827.6	474.4	250.5	220.8	198.5	186.8	186.8	196.4	209.1	211.2
47.5°	3996.2	2892.3	404.4	230.3	203.8	180.4	168.8	170.9	186.8	203.8	207.0
50°	4080.0	2944.3	352.4	212.3	190.0	165.6	155.0	159.2	178.3	198.5	201.7
52.5°	4170.3	3008.0	318.4	196.4	177.3	153.9	144.4	147.5	168.8	191.1	195.3
55°	4419.7	3221.4	317.4	175.1	155.0	138.0	133.7	134.8	156.0	181.5	186.8
57.5°	4623.5	3409.2	338.6	147.5	129.5	121.0	118.9	119.9	139.0	167.7	174.1
60°	3825.3	2649.3	280.2	122.1	108.3	106.1	103.0	105.1	123.1	148.6	153.9
62.5°	2264.0	1514.6	133.7	93.4	92.3	90.2	87.0	91.3	108.3	130.6	133.7
65°	773.8	449.0	84.9	76.4	78.5	75.4	72.2	76.4	91.3	104.0	105.1
67.5°	148.6	118.9	67.9	63.7	64.7	58.4	57.3	61.6	70.1	72.2	71.1
70°	77.5	69.0	52.0	52.0	49.9	41.4	41.4	45.6	45.6	42.5	41.4
72.5°	40.3	38.2	34.0	38.2	31.8	25.5	25.5	27.6	25.5	21.2	21.2
75°	15.9	15.9	14.9	19.1	13.8	11.7	10.6	12.7	9.6	7.4	7.4
77.5°	4.2	4.2	4.2	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)