

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: P633413

Luminaire Tested: GWS-SA2E-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633413
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8610.2 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

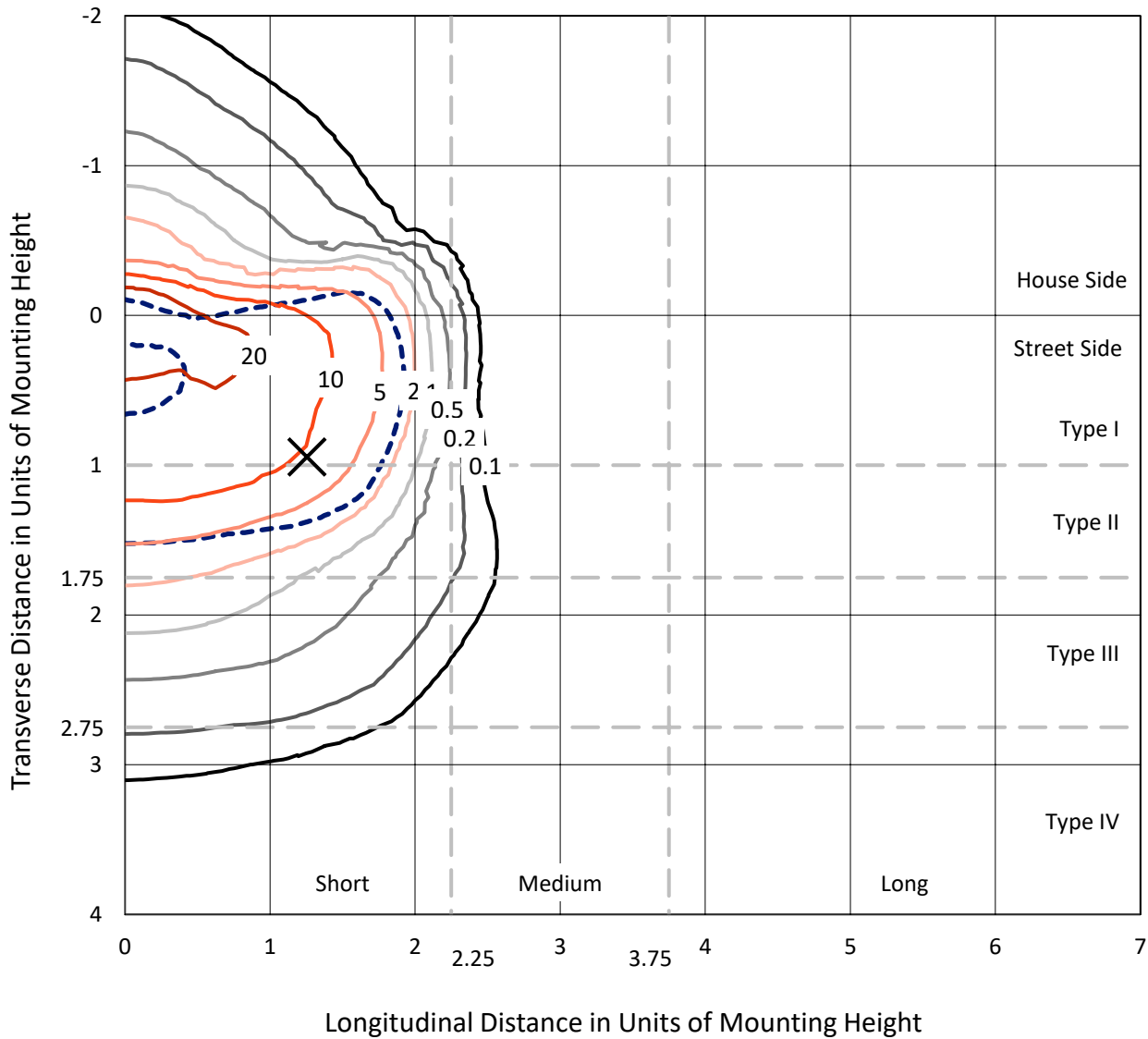
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

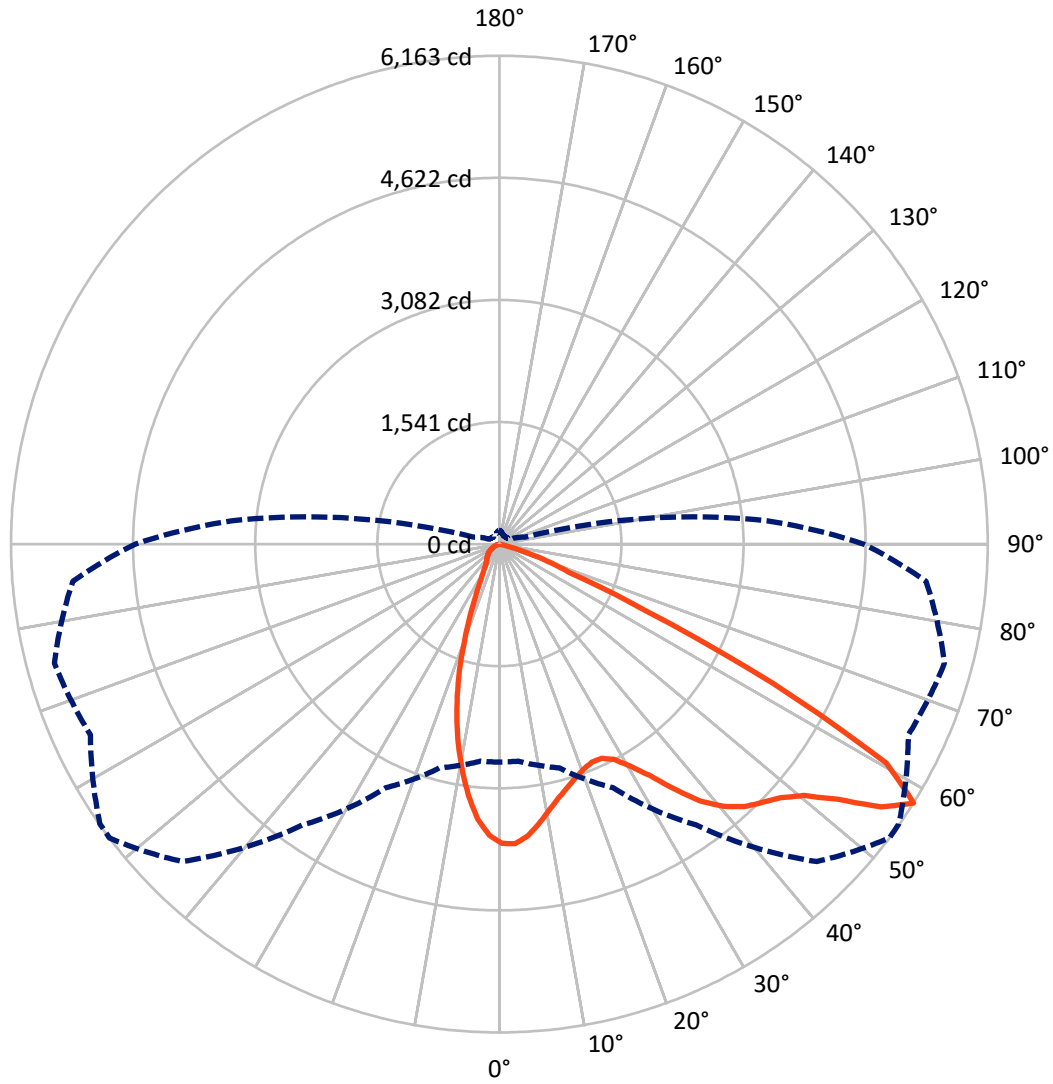
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 37.8 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	1422.3	0.0	1422.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7187.9	0.0	7187.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	8610.2	0.0	8610.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.1	3.8
10°-20°	709.4	8.2
20°-30°	924.2	10.7
30°-40°	1340.6	15.6
40°-50°	1934.3	22.5
50°-60°	2339.4	27.2
60°-70°	953.4	11.1
70°-80°	85.7	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°	8610.2	100.0
0°-180°	8610.2	100.0

Coefficient of Utilization



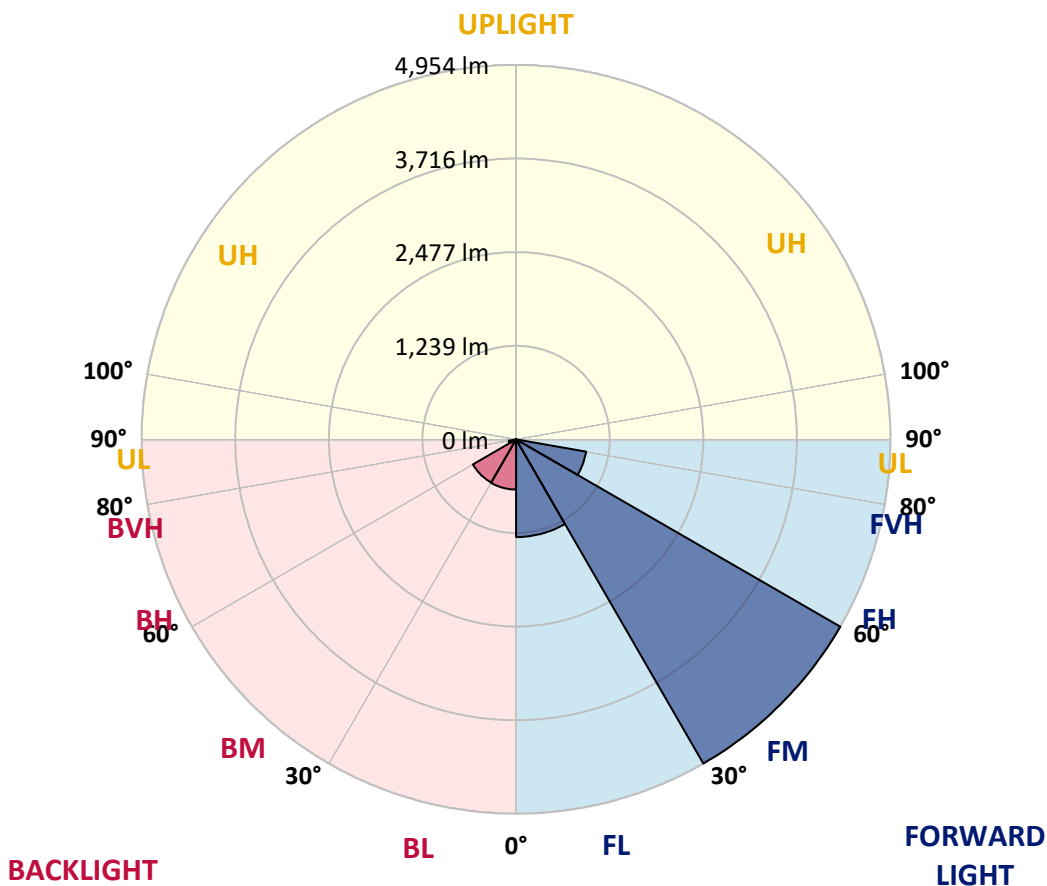
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1293.0	15.0			
FM (30°-60°)	4954.1	57.5			
FH (60°-80°)	940.8	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	663.8	7.7	B2/1000		
BM (30°-60°)	660.2	7.7	B1/1000		
BH (60°-80°)	98.3	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°	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9
2.5°	3724.2	3732.6	3747.4	3766.4	3779.0	3785.4	3785.4	3803.3	3791.7	3782.2	3771.6
5°	3564.8	3573.3	3593.3	3623.9	3654.5	3676.7	3702.0	3721.0	3728.4	3728.4	3710.4
7.5°	3340.0	3351.6	3364.3	3406.5	3473.0	3522.6	3565.9	3593.3	3633.4	3646.1	3620.7
10°	3098.4	3110.0	3138.5	3196.5	3272.5	3346.4	3420.2	3455.1	3523.7	3559.5	3531.0
12.5°	2893.6	2898.9	2936.9	3006.6	3103.6	3205.0	3294.7	3330.5	3427.6	3481.4	3447.7
15°	2724.8	2728.0	2765.9	2843.0	2954.8	3079.4	3192.3	3229.2	3348.5	3429.7	3379.1
17.5°	2597.1	2598.2	2630.9	2714.2	2831.4	2969.6	3103.6	3149.0	3303.1	3401.2	3325.3
20°	2532.7	2529.6	2552.8	2625.6	2736.4	2874.6	3032.9	3088.9	3277.8	3397.0	3284.1
22.5°	2533.8	2526.4	2535.9	2587.6	2681.5	2811.3	2988.6	3051.9	3279.9	3415.0	3249.3
25°	2593.9	2583.4	2585.5	2612.9	2679.4	2797.6	2994.9	3062.5	3322.1	3475.1	3236.6
27.5°	2695.2	2683.6	2683.6	2697.4	2733.2	2840.9	3074.1	3151.1	3435.0	3592.2	3263.0
30°	2826.1	2814.5	2810.3	2824.0	2853.5	2952.7	3250.3	3330.5	3628.1	3784.3	3347.4
32.5°	2976.0	2962.2	2969.6	2988.6	3017.1	3154.3	3477.2	3583.8	3869.8	4042.9	3499.4
35°	3134.2	3122.6	3156.4	3197.6	3241.9	3434.0	3790.6	3883.5	4166.3	4364.7	3731.5
37.5°	3285.2	3279.9	3350.6	3437.1	3528.9	3769.5	4109.3	4181.1	4420.7	4715.1	4015.4
40°	3436.1	3435.0	3556.4	3708.3	3855.0	4104.1	4351.0	4410.1	4575.8	4987.4	4287.7
42.5°	3604.9	3604.9	3772.7	3975.3	4170.6	4386.9	4528.3	4554.7	4645.4	5144.6	4492.4
45°	3766.4	3775.9	3970.0	4205.4	4436.5	4607.4	4650.7	4652.8	4673.9	5237.5	4662.3
47.5°	3894.1	3902.5	4134.7	4405.9	4654.9	4775.2	4781.6	4772.1	4748.9	5326.1	4793.2
50°	3997.5	4010.1	4252.9	4539.9	4804.8	4936.7	4985.2	4975.7	4916.7	5421.1	4885.0
52.5°	4048.1	4066.1	4294.0	4606.4	4971.5	5213.2	5348.3	5370.4	5167.8	5473.8	4972.6
55°	3642.9	3669.3	3879.3	4306.7	5064.4	5640.6	5852.7	5848.5	5440.1	5631.1	5185.8
57.5°	2751.2	2749.1	2923.2	3390.7	4325.7	5664.9	6163.0	6154.5	5694.4	5813.7	5404.2
60°	1873.2	1860.5	1906.9	2132.8	3024.5	4614.8	5608.9	5722.9	5514.0	5370.4	4588.5
62.5°	1541.8	1530.2	1515.4	1453.2	1737.0	2874.6	3875.1	4048.1	4020.7	3732.6	2877.8
65°	1262.1	1271.6	1312.8	1286.4	1208.3	1474.3	2011.4	2113.8	1932.3	1626.2	1005.7
67.5°	930.8	935.0	988.8	1128.1	1085.9	981.4	946.6	963.5	564.6	259.6	167.8
70°	549.8	553.0	602.6	789.4	881.2	753.5	639.5	630.0	223.7	69.6	76.0
72.5°	311.3	305.0	314.5	375.7	480.2	400.0	329.3	299.7	67.5	39.0	39.0
75°	147.7	143.5	123.5	116.1	105.5	67.5	42.2	35.9	16.9	15.8	15.8
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°	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9	3776.9
2.5°	3752.7	3721.0	3713.6	3711.5	3681.9	3650.3	3617.6	3604.9	3585.9	3574.3	3583.8
5°	3681.9	3636.6	3596.5	3559.5	3494.1	3422.3	3360.1	3320.0	3282.0	3256.7	3263.0
7.5°	3581.7	3522.6	3430.8	3336.9	3216.6	3108.9	2988.6	2914.7	2846.1	2808.2	2826.1
10°	3475.1	3397.0	3250.3	3091.0	2902.1	2733.2	2561.2	2420.9	2339.6	2262.6	2271.0
12.5°	3370.6	3267.2	3047.7	2806.0	2567.5	2318.5	2058.9	1864.7	1731.7	1635.7	1620.9
15°	3273.5	3140.6	2850.4	2531.7	2206.6	1875.3	1543.9	1266.4	1112.3	1017.3	1011.0
17.5°	3187.0	3022.4	2645.6	2244.6	1837.3	1413.0	1032.1	824.2	735.5	694.4	690.2
20°	3103.6	2903.1	2436.7	1953.4	1434.2	992.0	712.3	616.3	587.8	570.9	573.0
22.5°	3023.4	2773.3	2217.2	1630.4	1075.4	696.5	551.9	515.0	511.8	513.9	515.0
25°	2955.9	2654.1	1991.4	1319.1	767.2	530.8	461.2	450.6	460.1	473.8	475.9
27.5°	2921.1	2557.0	1770.8	1005.7	555.1	431.6	400.0	404.2	421.1	435.8	438.0
30°	2930.6	2484.2	1542.9	729.2	427.4	364.1	353.5	362.0	378.9	392.6	394.7
32.5°	2998.1	2447.2	1309.6	530.8	351.4	317.6	313.4	319.8	334.5	345.1	346.1
35°	3132.1	2455.7	1088.0	406.3	301.8	282.8	281.8	286.0	293.4	300.8	301.8
37.5°	3329.5	2524.3	869.6	337.7	273.3	259.6	255.4	255.4	260.7	263.8	265.9
40°	3541.6	2627.7	696.5	298.7	253.3	238.5	230.1	226.9	231.1	235.3	236.4
42.5°	3716.8	2731.1	565.6	271.2	237.4	217.4	206.8	204.7	210.0	217.4	219.5
45°	3850.8	2811.3	471.7	249.1	219.5	197.3	185.7	185.7	195.2	207.9	210.0
47.5°	3973.2	2875.7	402.1	229.0	202.6	179.4	167.8	169.9	185.7	202.6	205.8
50°	4056.6	2927.4	350.4	211.1	188.9	164.6	154.1	158.3	177.3	197.3	200.5
52.5°	4146.3	2990.7	316.6	195.2	176.2	153.0	143.5	146.7	167.8	190.0	194.2
55°	4394.3	3202.8	315.5	174.1	154.1	137.2	133.0	134.0	155.1	180.5	185.7
57.5°	4596.9	3389.6	336.6	146.7	128.7	120.3	118.2	119.2	138.2	166.7	173.1
60°	3803.3	2634.0	278.6	121.4	107.6	105.5	102.4	104.5	122.4	147.7	153.0
62.5°	2251.0	1505.9	133.0	92.9	91.8	89.7	86.5	90.8	107.6	129.8	133.0
65°	769.3	446.4	84.4	76.0	78.1	74.9	71.8	76.0	90.8	103.4	104.5
67.5°	147.7	118.2	67.5	63.3	64.4	58.0	57.0	61.2	69.6	71.8	70.7
70°	77.0	68.6	51.7	51.7	49.6	41.2	41.2	45.4	45.4	42.2	41.2
72.5°	40.1	38.0	33.8	38.0	31.7	25.3	25.3	27.4	25.3	21.1	21.1
75°	15.8	15.8	14.8	19.0	13.7	11.6	10.6	12.7	9.5	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)