

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: P633853

Luminaire Tested: GWS-SA2F-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633853
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-SA2F-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: 9706 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

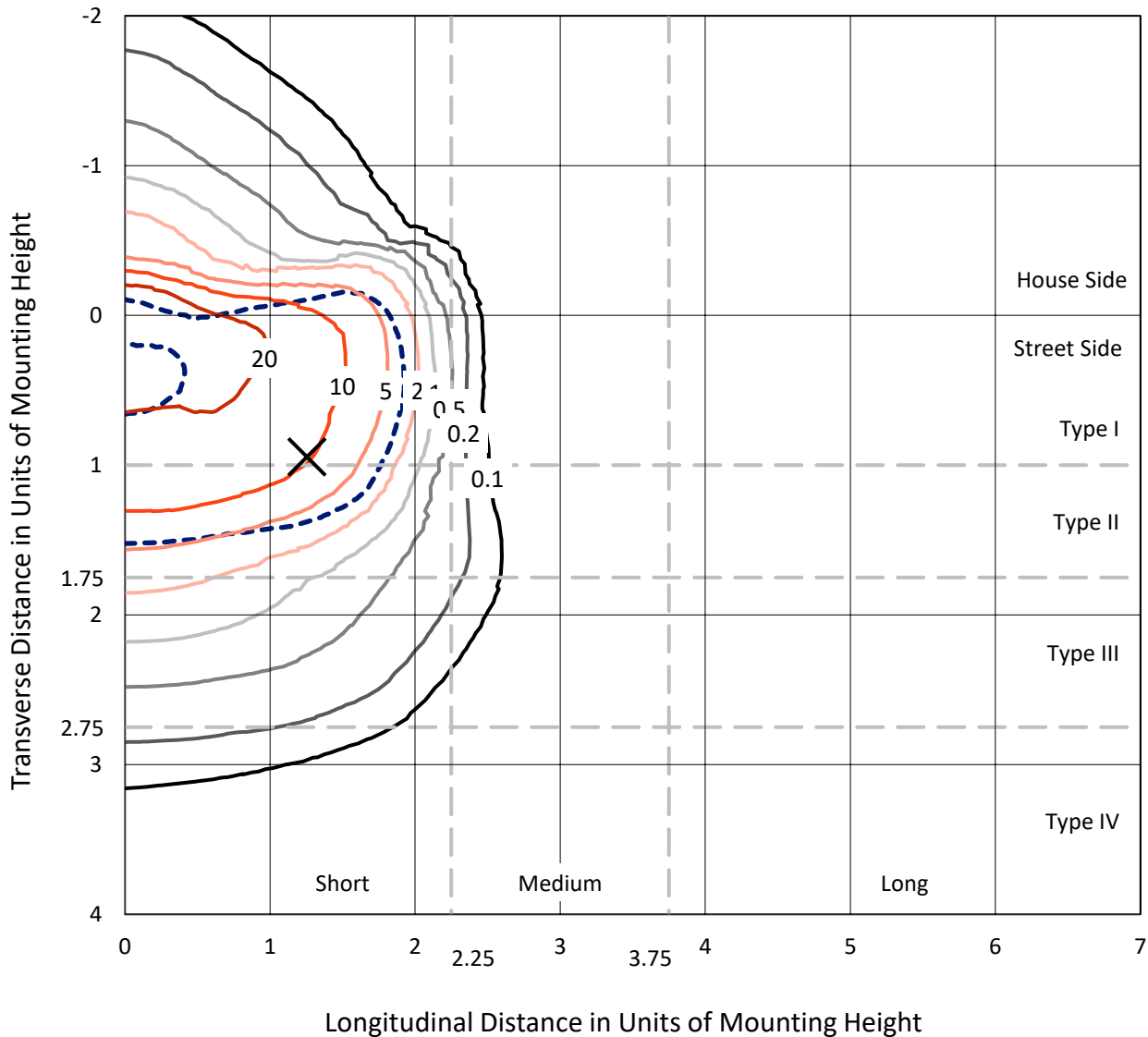
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

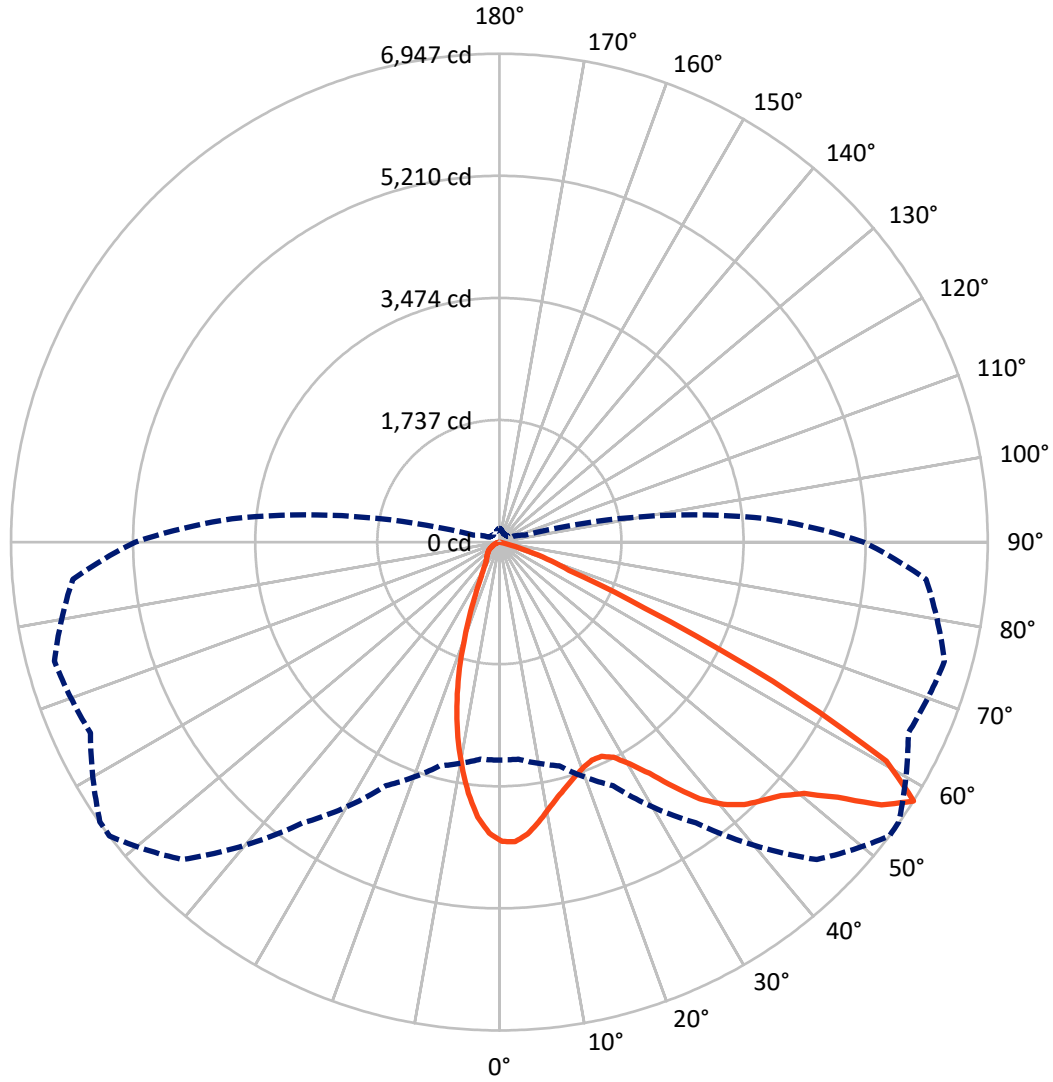
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 42.6 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	1603.3	0.0	1603.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8102.7	0.0	8102.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	9706.0	0.0	9706.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.3	3.8
10°-20°	799.7	8.2
20°-30°	1041.8	10.7
30°-40°	1511.2	15.6
40°-50°	2180.5	22.5
50°-60°	2637.1	27.2
60°-70°	1074.8	11.1
70°-80°	96.6	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°	9706.0	100.0
0°-180°	9706.0	100.0

Coefficient of Utilization



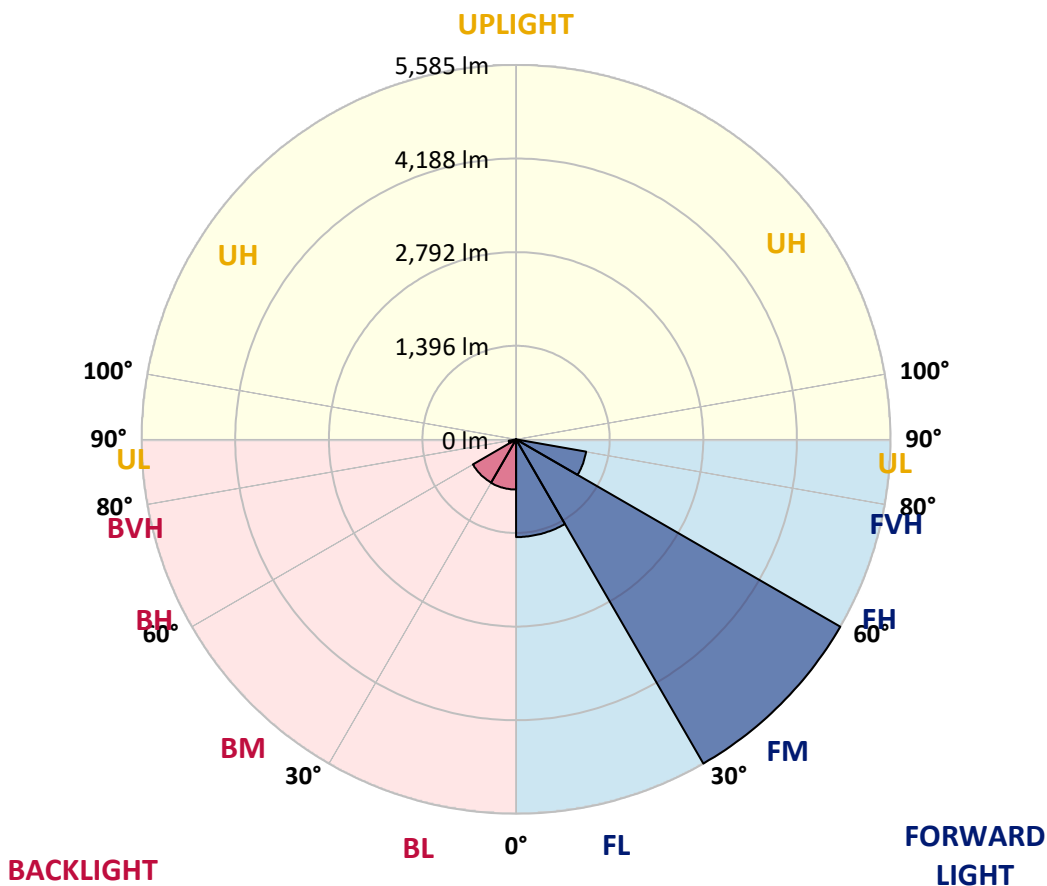
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1457.5	15.0			
FM (30°-60°)	5584.6	57.5			
FH (60°-80°)	1060.5	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	748.3	7.7	B2/1000		
BM (30°-60°)	744.2	7.7	B1/1000		
BH (60°-80°)	110.8	1.1	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°	53°	55°	65°	75°	85°
0°	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6
2.5°	4198.1	4207.6	4224.3	4245.7	4260.0	4267.1	4267.1	4287.3	4274.3	4263.6	4251.7
5°	4018.5	4028.0	4050.6	4085.1	4119.6	4144.6	4173.1	4194.6	4202.9	4202.9	4182.7
7.5°	3765.1	3778.2	3792.5	3840.1	3915.0	3970.9	4019.7	4050.6	4095.8	4110.1	4081.5
10°	3492.7	3505.8	3537.9	3603.3	3689.0	3772.2	3855.5	3894.8	3972.1	4012.5	3980.4
12.5°	3261.9	3267.9	3310.7	3389.2	3498.6	3612.8	3714.0	3754.4	3863.8	3924.5	3886.4
15°	3071.6	3075.1	3118.0	3204.8	3330.9	3471.3	3598.6	3640.2	3774.6	3866.2	3809.1
17.5°	2927.6	2928.8	2965.7	3059.7	3191.7	3347.6	3498.6	3549.8	3723.5	3834.1	3748.5
20°	2855.1	2851.5	2877.7	2959.7	3084.7	3240.5	3418.9	3482.0	3694.9	3829.3	3702.1
22.5°	2856.2	2847.9	2858.6	2916.9	3022.8	3169.1	3369.0	3440.3	3697.3	3849.6	3662.8
25°	2924.1	2912.2	2914.5	2945.5	3020.4	3153.6	3376.1	3452.2	3744.9	3917.4	3648.5
27.5°	3038.3	3025.2	3025.2	3040.6	3081.1	3202.4	3465.3	3552.2	3872.2	4049.4	3678.3
30°	3185.8	3172.7	3167.9	3183.4	3216.7	3328.5	3664.0	3754.4	4089.9	4265.9	3773.4
32.5°	3354.7	3339.2	3347.6	3369.0	3401.1	3555.7	3919.8	4039.9	4362.3	4557.4	3944.7
35°	3533.1	3520.0	3558.1	3604.5	3654.5	3871.0	4273.1	4377.8	4696.6	4920.2	4206.5
37.5°	3703.2	3697.3	3777.0	3874.6	3978.0	4249.3	4632.3	4713.2	4983.3	5315.2	4526.5
40°	3873.4	3872.2	4009.0	4180.3	4345.6	4626.4	4904.8	4971.4	5158.1	5622.1	4833.4
42.5°	4063.7	4063.7	4252.8	4481.3	4701.3	4945.2	5104.6	5134.3	5236.7	5799.3	5064.2
45°	4245.7	4256.4	4475.3	4740.6	5001.1	5193.8	5242.6	5245.0	5268.8	5904.0	5255.7
47.5°	4389.7	4399.2	4660.9	4966.6	5247.4	5383.0	5390.1	5379.4	5353.2	6003.9	5403.2
50°	4506.2	4520.5	4794.1	5117.7	5416.3	5565.0	5619.7	5609.0	5542.4	6111.0	5506.7
52.5°	4563.3	4583.6	4840.5	5192.6	5604.2	5876.7	6028.9	6053.9	5825.5	6170.5	5605.4
55°	4106.5	4136.3	4373.0	4854.8	5708.9	6358.5	6597.6	6592.8	6132.4	6347.7	5845.7
57.5°	3101.3	3098.9	3295.2	3822.2	4876.2	6385.8	6947.3	6937.8	6419.1	6553.5	6092.0
60°	2111.6	2097.3	2149.6	2404.2	3409.4	5202.2	6322.8	6451.2	6215.7	6053.9	5172.4
62.5°	1738.0	1724.9	1708.3	1638.1	1958.1	3240.5	4368.2	4563.3	4532.4	4207.6	3244.1
65°	1422.8	1433.5	1479.9	1450.1	1362.1	1661.9	2267.4	2382.8	2178.2	1833.2	1133.7
67.5°	1049.2	1054.0	1114.7	1271.7	1224.1	1106.3	1067.1	1086.1	636.4	292.6	189.1
70°	619.8	623.4	679.3	889.8	993.3	849.4	720.9	710.2	252.2	78.5	85.7
72.5°	350.9	343.8	354.5	423.5	541.3	450.9	371.2	337.8	76.1	44.0	44.0
75°	166.5	161.8	139.2	130.9	119.0	76.1	47.6	40.4	19.0	17.8	17.8
77.5°	1.2	3.6	2.4	3.6	3.6	2.4	1.2	1.2	3.6	3.6	4.8
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°	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6
2.5°	4230.2	4194.6	4186.2	4183.8	4150.5	4114.9	4078.0	4063.7	4042.3	4029.2	4039.9
5°	4150.5	4099.4	4054.2	4012.5	3938.8	3857.9	3787.7	3742.5	3699.7	3671.1	3678.3
7.5°	4037.5	3970.9	3867.4	3761.5	3625.9	3504.6	3369.0	3285.7	3208.4	3165.5	3185.8
10°	3917.4	3829.3	3664.0	3484.4	3271.4	3081.1	2887.2	2729.0	2637.4	2550.5	2560.0
12.5°	3799.6	3683.0	3435.6	3163.2	2894.3	2613.6	2320.9	2102.0	1952.1	1843.9	1827.2
15°	3690.2	3540.3	3213.1	2853.9	2487.5	2113.9	1740.4	1427.5	1253.8	1146.8	1139.6
17.5°	3592.6	3407.0	2982.3	2530.3	2071.1	1592.9	1163.4	929.1	829.2	782.8	778.0
20°	3498.6	3272.6	2746.8	2202.0	1616.7	1118.2	803.0	694.7	662.6	643.6	646.0
22.5°	3408.2	3126.3	2499.4	1837.9	1212.2	785.1	622.2	580.5	577.0	579.3	580.5
25°	3332.1	2991.9	2244.8	1487.0	864.8	598.4	519.9	508.0	518.7	534.1	536.5
27.5°	3292.8	2882.4	1996.2	1133.7	625.7	486.5	450.9	455.6	474.7	491.3	493.7
30°	3303.5	2800.3	1739.2	822.0	481.8	410.4	398.5	408.0	427.1	442.5	444.9
32.5°	3379.7	2758.7	1476.3	598.4	396.1	358.1	353.3	360.5	377.1	389.0	390.2
35°	3530.8	2768.2	1226.5	458.0	340.2	318.8	317.6	322.4	330.7	339.0	340.2
37.5°	3753.2	2845.5	980.2	380.7	308.1	292.6	287.9	287.9	293.8	297.4	299.8
40°	3992.3	2962.1	785.1	336.7	285.5	268.9	259.3	255.8	260.5	265.3	266.5
42.5°	4189.8	3078.7	637.6	305.7	267.7	245.1	233.2	230.8	236.7	245.1	247.4
45°	4340.9	3169.1	531.8	280.7	247.4	222.5	209.4	209.4	220.1	234.4	236.7
47.5°	4478.9	3241.7	453.2	258.1	228.4	202.2	189.1	191.5	209.4	228.4	232.0
50°	4572.9	3300.0	394.9	237.9	212.9	185.6	173.7	178.4	199.9	222.5	226.0
52.5°	4674.0	3371.3	356.9	220.1	198.7	172.5	161.8	165.4	189.1	214.1	218.9
55°	4953.5	3610.5	355.7	196.3	173.7	154.6	149.9	151.1	174.9	203.4	209.4
57.5°	5181.9	3821.0	379.5	165.4	145.1	135.6	133.2	134.4	155.8	188.0	195.1
60°	4287.3	2969.3	314.1	136.8	121.3	119.0	115.4	117.8	138.0	166.5	172.5
62.5°	2537.4	1697.6	149.9	104.7	103.5	101.1	97.5	102.3	121.3	146.3	149.9
65°	867.2	503.2	95.2	85.7	88.0	84.5	80.9	85.7	102.3	116.6	117.8
67.5°	166.5	133.2	76.1	71.4	72.6	65.4	64.2	69.0	78.5	80.9	79.7
70°	86.8	77.3	58.3	58.3	55.9	46.4	46.4	51.2	51.2	47.6	46.4
72.5°	45.2	42.8	38.1	42.8	35.7	28.6	28.6	30.9	28.6	23.8	23.8
75°	17.8	17.8	16.7	21.4	15.5	13.1	11.9	14.3	10.7	8.3	8.3
77.5°	4.8	4.8	4.8	5.9	3.6	3.6	2.4	2.4	1.2	0.0	0.0
80°	0.0	1.2	0.0	1.2	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)