

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: P633908

Luminaire Tested: GWS-SA2F-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633908
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-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: 9572.9 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

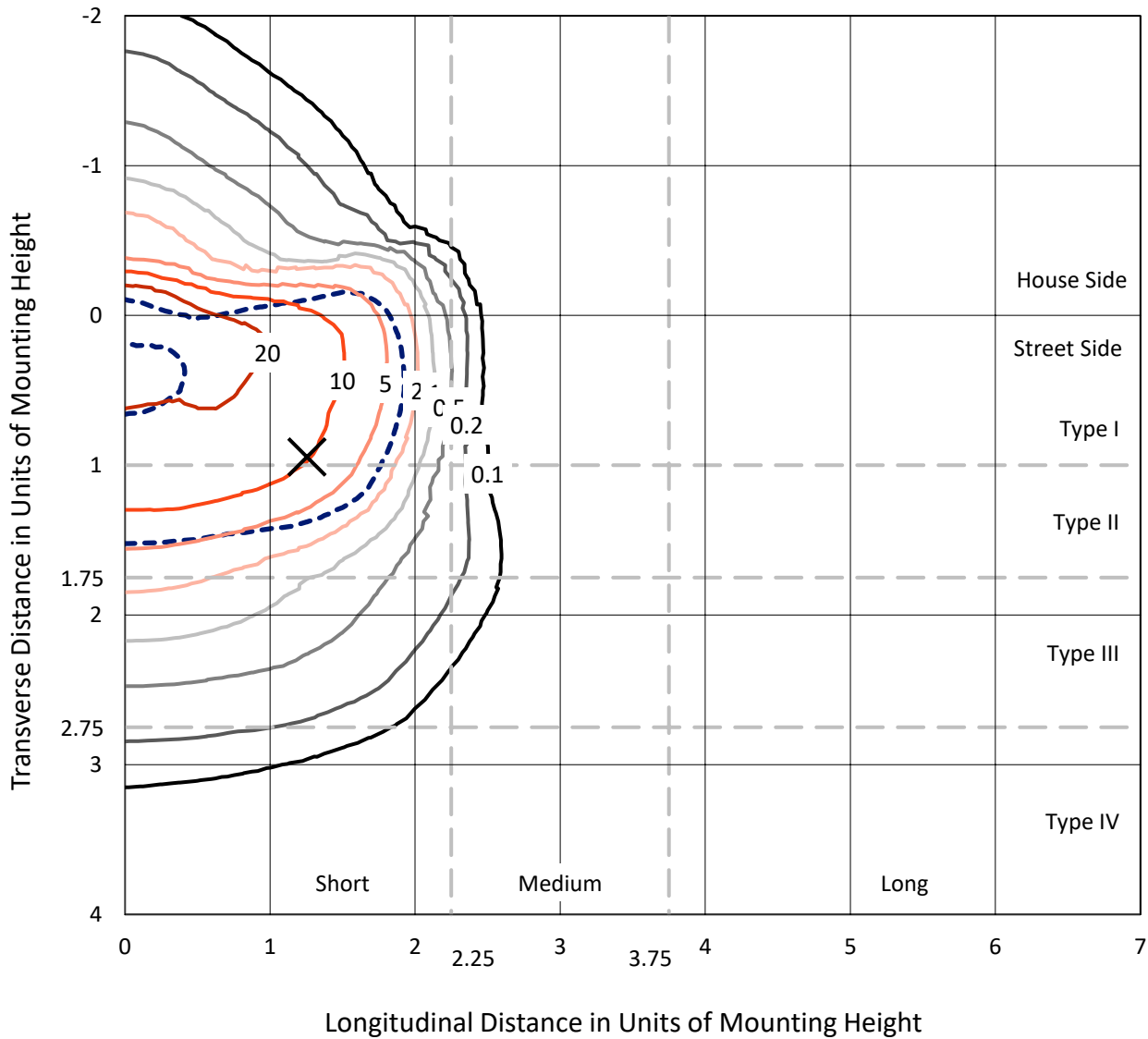
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

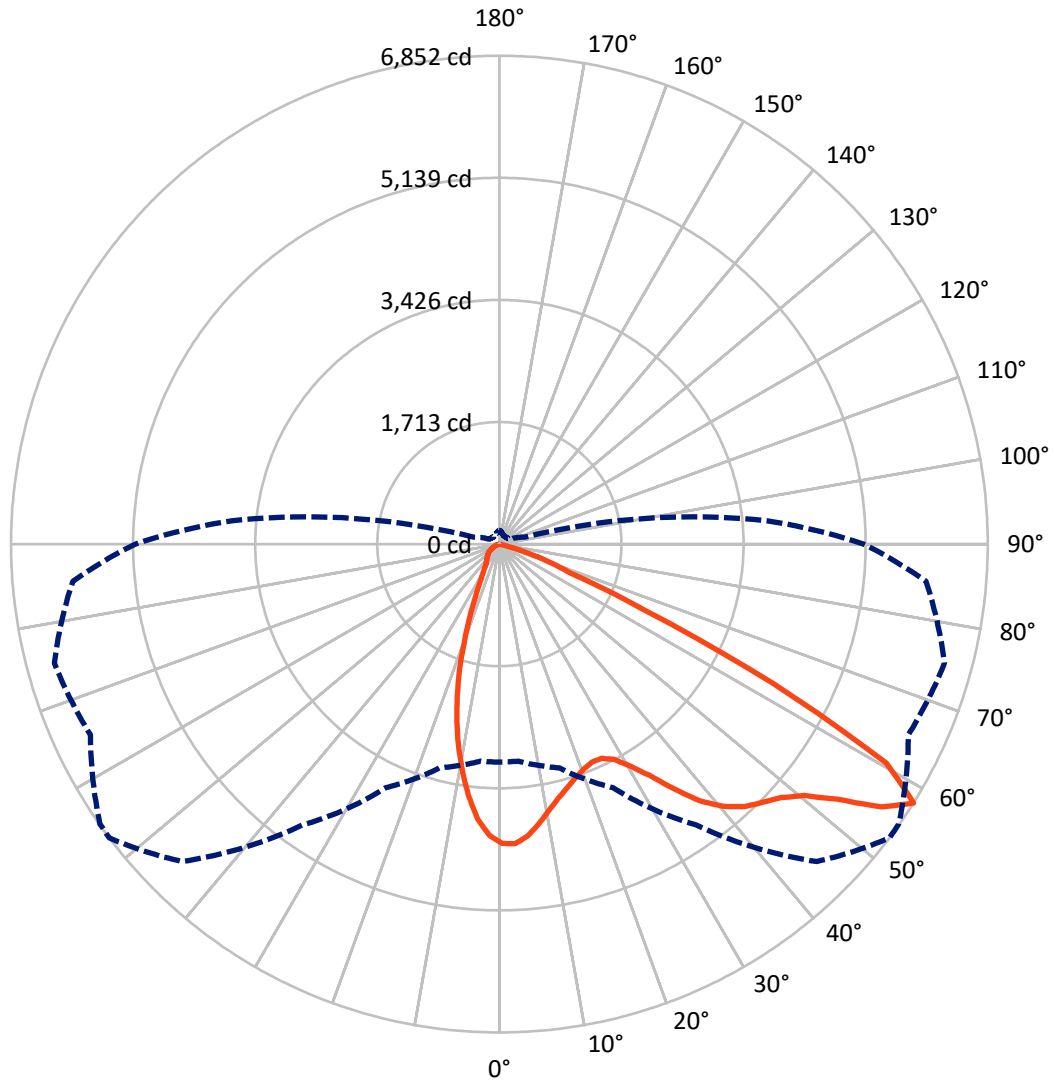
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 42 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	1581.3	0.0	1581.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7991.6	0.0	7991.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	9572.9	0.0	9572.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.3	3.8
10°-20°	788.7	8.2
20°-30°	1027.5	10.7
30°-40°	1490.5	15.6
40°-50°	2150.6	22.5
50°-60°	2601.0	27.2
60°-70°	1060.1	11.1
70°-80°	95.3	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°	9572.9	100.0
0°-180°	9572.9	100.0

Coefficient of Utilization



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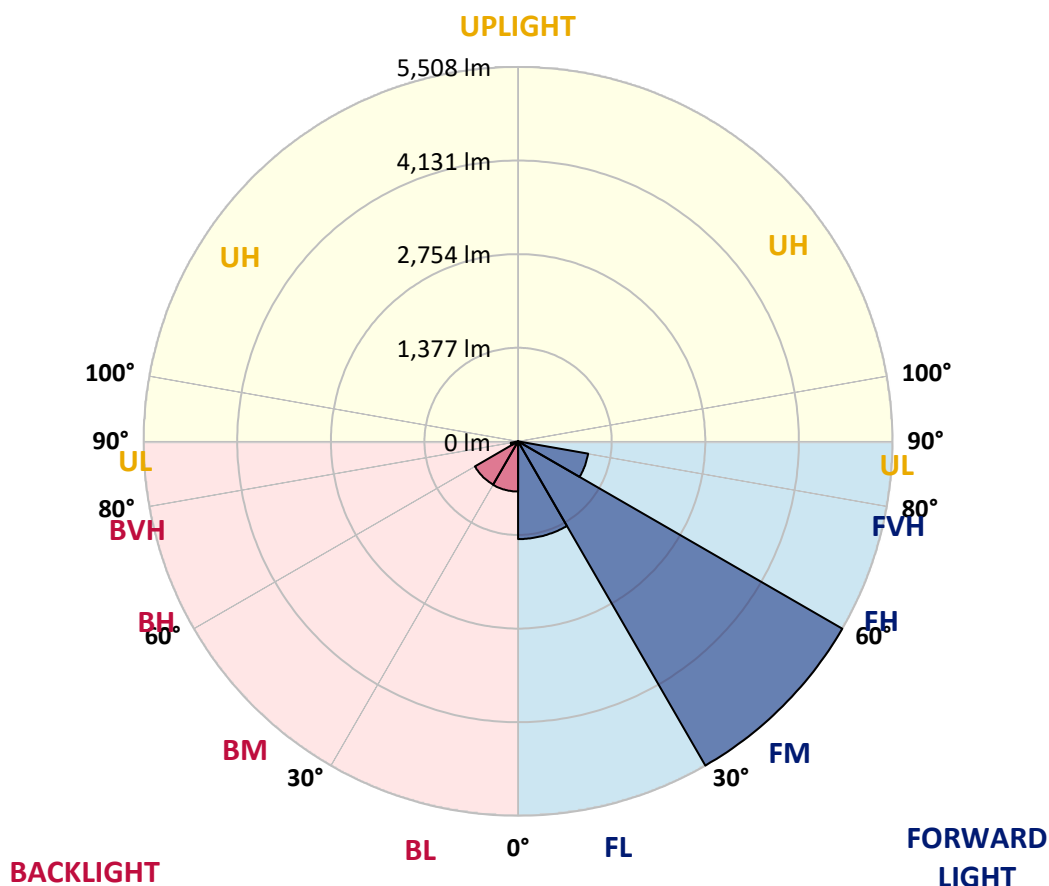
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1437.5	15.0			
FM (30°-60°)	5508.1	57.5			
FH (60°-80°)	1046.0	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	738.0	7.7	B2/1000		
BM (30°-60°)	734.0	7.7	B1/1000		
BH (60°-80°)	109.3	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°	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2
2.5°	4140.6	4149.9	4166.4	4187.5	4201.6	4208.6	4208.6	4228.6	4215.6	4205.1	4193.4
5°	3963.4	3972.8	3995.1	4029.1	4063.1	4087.8	4115.9	4137.0	4145.2	4145.2	4125.3
7.5°	3713.5	3726.4	3740.5	3787.4	3861.3	3916.5	3964.6	3995.1	4039.7	4053.7	4025.6
10°	3444.8	3457.7	3489.4	3553.9	3638.4	3720.5	3802.6	3841.4	3917.6	3957.5	3925.8
12.5°	3217.2	3223.0	3265.3	3342.7	3450.7	3563.3	3663.0	3702.9	3810.9	3870.7	3833.2
15°	3029.4	3033.0	3075.2	3160.9	3285.2	3423.7	3549.2	3590.3	3722.9	3813.2	3756.9
17.5°	2887.5	2888.7	2925.0	3017.7	3147.9	3301.6	3450.7	3501.1	3672.4	3781.5	3697.0
20°	2815.9	2812.4	2838.2	2919.2	3042.4	3196.1	3372.0	3434.2	3644.3	3776.8	3651.3
22.5°	2817.1	2808.9	2819.4	2876.9	2981.3	3125.7	3322.8	3393.2	3646.6	3796.8	3612.6
25°	2884.0	2872.2	2874.6	2905.1	2979.0	3110.4	3329.8	3404.9	3693.5	3863.7	3598.5
27.5°	2996.6	2983.7	2983.7	2998.9	3038.8	3158.5	3417.8	3503.5	3819.1	3993.9	3627.8
30°	3142.1	3129.2	3124.5	3139.7	3172.6	3282.9	3613.7	3702.9	4033.8	4207.4	3721.7
32.5°	3308.7	3293.4	3301.6	3322.8	3354.4	3507.0	3866.0	3984.5	4302.5	4494.9	3890.6
35°	3484.7	3471.8	3509.3	3555.1	3604.4	3817.9	4214.5	4317.7	4632.2	4852.7	4148.8
37.5°	3652.5	3646.6	3725.2	3821.4	3923.5	4191.0	4568.8	4648.6	4914.9	5242.3	4464.4
40°	3820.2	3819.1	3954.0	4123.0	4286.0	4562.9	4837.5	4903.2	5087.4	5545.0	4767.1
42.5°	4008.0	4008.0	4194.5	4419.8	4636.9	4877.4	5034.6	5063.9	5164.8	5719.8	4994.7
45°	4187.5	4198.0	4413.9	4675.6	4932.5	5122.6	5170.7	5173.1	5196.5	5823.1	5183.6
47.5°	4329.5	4338.8	4597.0	4898.5	5175.4	5309.2	5316.2	5305.6	5279.8	5921.6	5329.1
50°	4444.4	4458.5	4728.4	5047.5	5342.0	5488.7	5542.6	5532.1	5466.4	6027.2	5431.2
52.5°	4500.8	4520.7	4774.1	5121.4	5527.4	5796.1	5946.3	5970.9	5745.6	6085.9	5528.6
55°	4050.2	4079.5	4313.0	4788.2	5630.6	6271.3	6507.1	6502.4	6048.3	6260.7	5765.6
57.5°	3058.8	3056.4	3250.0	3769.8	4809.3	6298.2	6852.0	6842.7	6331.1	6463.7	6008.4
60°	2082.6	2068.5	2120.1	2371.2	3362.7	5130.8	6236.1	6362.8	6130.5	5970.9	5101.5
62.5°	1714.2	1701.3	1684.9	1615.6	1931.2	3196.1	4308.3	4500.8	4470.3	4149.9	3199.6
65°	1403.3	1413.8	1459.6	1430.2	1343.4	1639.1	2236.3	2350.1	2148.3	1808.0	1118.1
67.5°	1034.8	1039.5	1099.4	1254.3	1207.3	1091.2	1052.4	1071.2	627.7	288.6	186.6
70°	611.3	614.8	670.0	877.6	979.7	837.7	711.0	700.5	248.7	77.4	84.5
72.5°	346.1	339.1	349.6	417.7	533.8	444.7	366.1	333.2	75.1	43.4	43.4
75°	164.3	159.6	137.3	129.1	117.3	75.1	46.9	39.9	18.8	17.6	17.6
77.5°	1.2	3.5	2.3	3.5	3.5	2.3	1.2	1.2	3.5	3.5	4.7
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°	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2	4199.2
2.5°	4172.2	4137.0	4128.8	4126.5	4093.6	4058.4	4022.1	4008.0	3986.9	3973.9	3984.5
5°	4093.6	4043.2	3998.6	3957.5	3884.8	3805.0	3735.8	3691.2	3648.9	3620.8	3627.8
7.5°	3982.2	3916.5	3814.4	3710.0	3576.2	3456.5	3322.8	3240.6	3164.4	3122.1	3142.1
10°	3863.7	3776.8	3613.7	3436.6	3226.6	3038.8	2847.6	2691.5	2601.2	2515.5	2524.9
12.5°	3747.5	3632.5	3388.5	3119.8	2854.6	2577.7	2289.1	2073.2	1925.4	1818.6	1802.2
15°	3639.6	3491.7	3169.1	2814.7	2453.4	2084.9	1716.5	1408.0	1236.7	1131.1	1124.0
17.5°	3543.3	3360.3	2941.4	2495.6	2042.7	1571.0	1147.5	916.3	817.8	772.0	767.3
20°	3450.7	3227.7	2709.1	2171.8	1594.5	1102.9	792.0	685.2	653.5	634.8	637.1
22.5°	3361.5	3083.4	2465.1	1812.7	1195.6	774.4	613.6	572.6	569.0	571.4	572.6
25°	3286.4	2950.8	2214.0	1466.6	853.0	590.2	512.7	501.0	511.6	526.8	529.2
27.5°	3247.7	2842.9	1968.8	1118.1	617.2	479.9	444.7	449.4	468.1	484.6	486.9
30°	3258.2	2761.9	1715.4	810.7	475.2	404.8	393.1	402.4	421.2	436.5	438.8
32.5°	3333.3	2720.9	1456.1	590.2	390.7	353.2	348.5	355.5	371.9	383.7	384.8
35°	3482.3	2730.3	1209.7	451.7	335.6	314.4	313.3	318.0	326.2	334.4	335.6
37.5°	3701.7	2806.5	966.8	375.5	303.9	288.6	283.9	283.9	289.8	293.3	295.7
40°	3937.6	2921.5	774.4	332.0	281.6	265.2	255.8	252.3	257.0	261.6	262.8
42.5°	4132.3	3036.5	628.9	301.5	264.0	241.7	230.0	227.6	233.5	241.7	244.0
45°	4281.4	3125.7	524.5	276.9	244.0	219.4	206.5	206.5	217.1	231.1	233.5
47.5°	4417.5	3197.2	447.0	254.6	225.3	199.5	186.6	188.9	206.5	225.3	228.8
50°	4510.1	3254.7	389.5	234.7	210.0	183.0	171.3	176.0	197.1	219.4	222.9
52.5°	4609.9	3325.1	352.0	217.1	195.9	170.1	159.6	163.1	186.6	211.2	215.9
55°	4885.6	3560.9	350.8	193.6	171.3	152.5	147.8	149.0	172.5	200.6	206.5
57.5°	5110.9	3768.6	374.3	163.1	143.1	133.8	131.4	132.6	153.7	185.4	192.4
60°	4228.6	2928.5	309.7	134.9	119.7	117.3	113.8	116.2	136.1	164.3	170.1
62.5°	2502.6	1674.3	147.8	103.2	102.1	99.7	96.2	100.9	119.7	144.3	147.8
65°	855.3	496.3	93.9	84.5	86.8	83.3	79.8	84.5	100.9	115.0	116.2
67.5°	164.3	131.4	75.1	70.4	71.6	64.5	63.4	68.1	77.4	79.8	78.6
70°	85.7	76.3	57.5	57.5	55.1	45.8	45.8	50.5	50.5	46.9	45.8
72.5°	44.6	42.2	37.5	42.2	35.2	28.2	28.2	30.5	28.2	23.5	23.5
75°	17.6	17.6	16.4	21.1	15.3	12.9	11.7	14.1	10.6	8.2	8.2
77.5°	4.7	4.7	4.7	5.9	3.5	3.5	2.3	2.3	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)