

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: P639298

Luminaire Tested: GWS-SA5B-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639298
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-SA5B-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10623.3 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

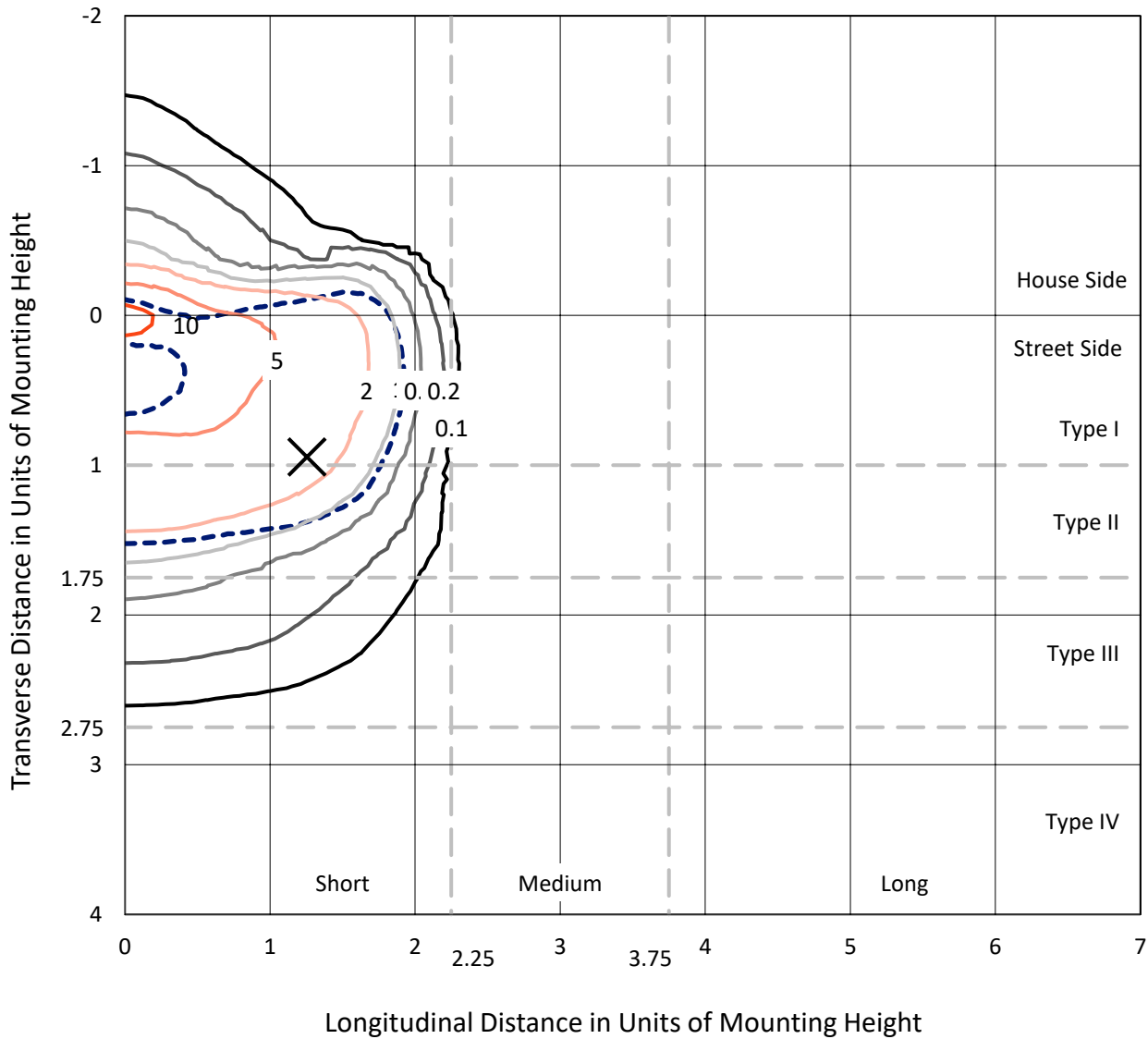
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

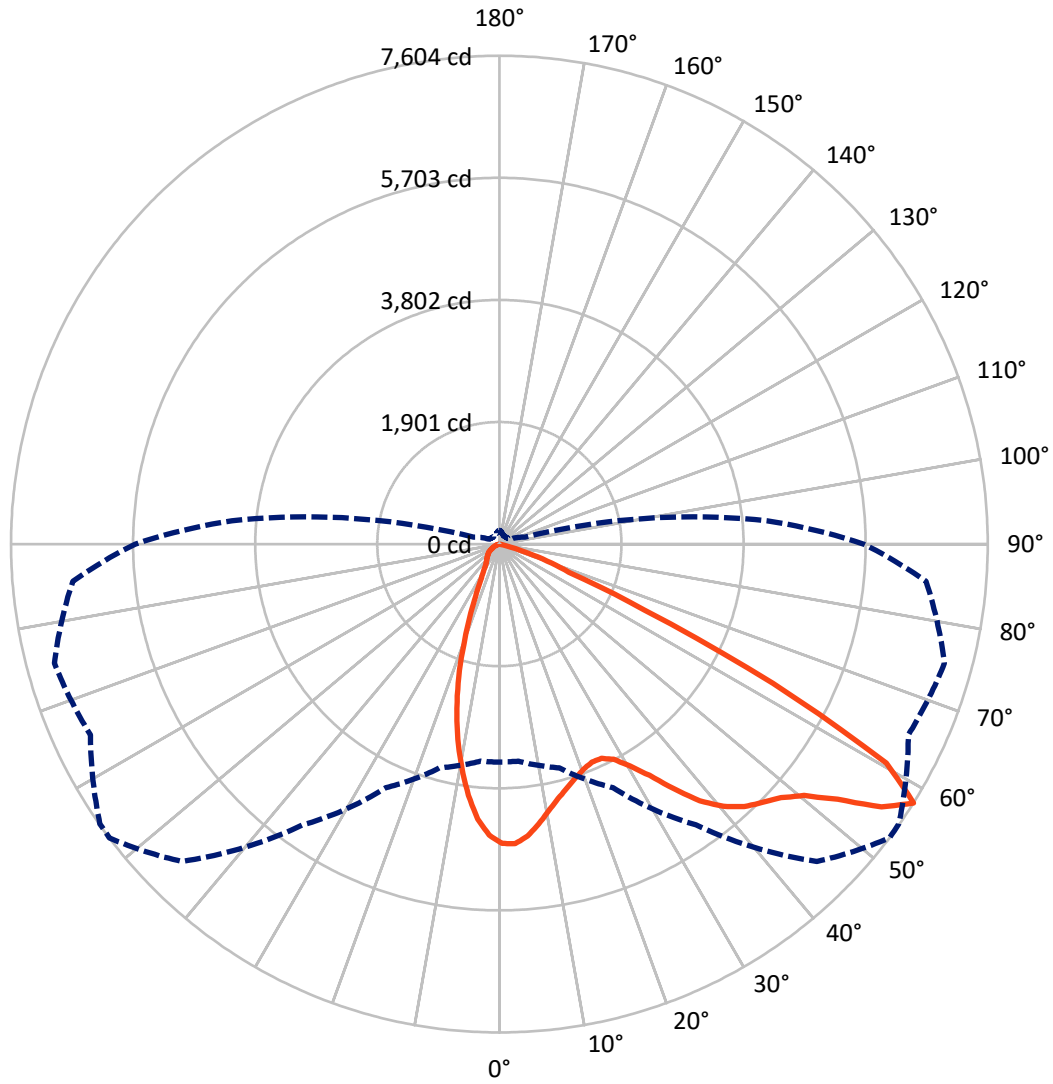
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.6 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	1754.8	0.0	1754.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8868.5	0.0	8868.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	10623.3	0.0	10623.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.7	3.8
10°-20°	875.3	8.2
20°-30°	1140.3	10.7
30°-40°	1654.0	15.6
40°-50°	2386.6	22.5
50°-60°	2886.4	27.2
60°-70°	1176.4	11.1
70°-80°	105.7	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°	10623.3	100.0
0°-180°	10623.3	100.0

Coefficient of Utilization



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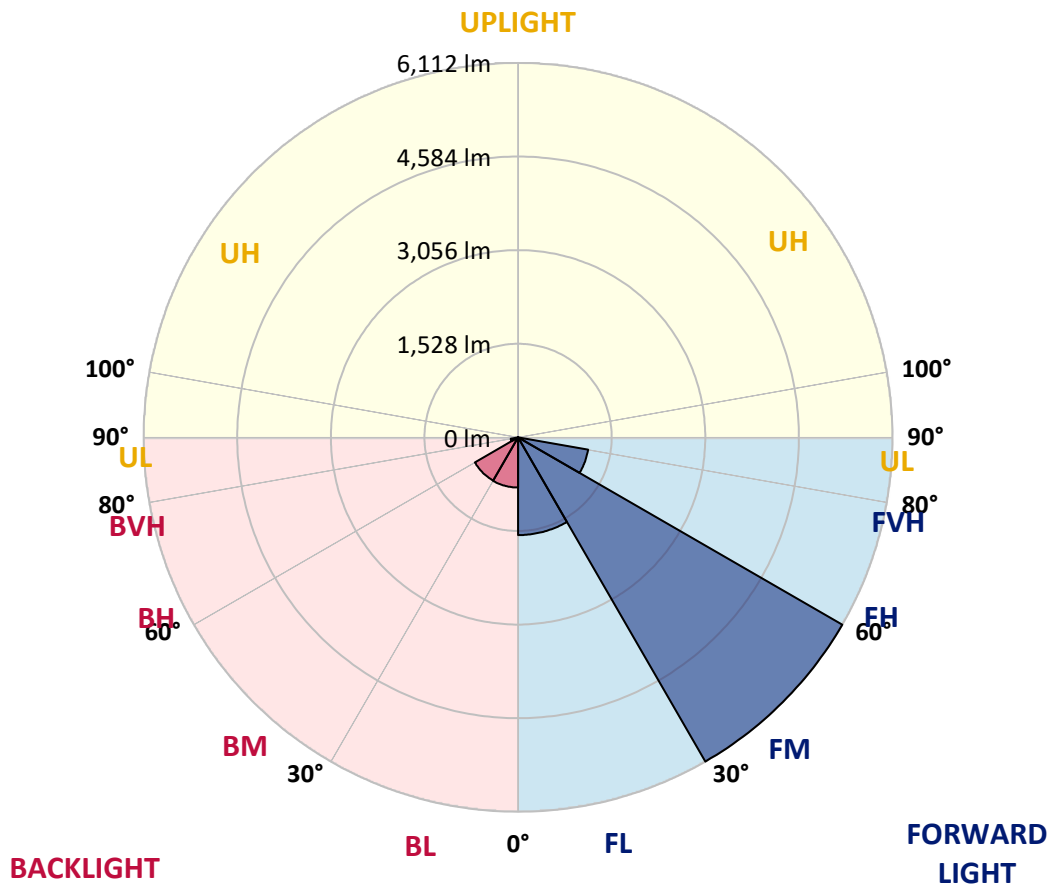
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1595.3	15.0			
FM (30°-60°)	6112.4	57.5			
FH (60°-80°)	1160.8	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	819.0	7.7	B2/1000		
BM (30°-60°)	814.5	7.7	B1/1000		
BH (60°-80°)	121.3	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°	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0
2.5°	4594.9	4605.3	4623.5	4647.0	4662.6	4670.4	4670.4	4692.5	4678.2	4666.5	4653.5
5°	4398.3	4408.7	4433.4	4471.2	4508.9	4536.3	4567.5	4591.0	4600.1	4600.1	4578.0
7.5°	4120.9	4135.3	4150.9	4203.0	4285.0	4346.2	4399.6	4433.4	4482.9	4498.5	4467.3
10°	3822.8	3837.1	3872.3	3943.9	4037.6	4128.8	4219.9	4262.9	4347.5	4391.8	4356.6
12.5°	3570.2	3576.7	3623.6	3709.5	3829.3	3954.3	4065.0	4109.2	4229.0	4295.4	4253.7
15°	3361.9	3365.8	3412.6	3507.7	3645.7	3799.3	3938.7	3984.2	4131.4	4231.6	4169.1
17.5°	3204.3	3205.6	3246.0	3348.8	3493.4	3663.9	3829.3	3885.3	4075.4	4196.5	4102.7
20°	3124.9	3121.0	3149.6	3239.5	3376.2	3546.7	3742.0	3811.1	4044.1	4191.3	4051.9
22.5°	3126.2	3117.1	3128.8	3192.6	3308.5	3468.6	3687.4	3765.5	4046.7	4213.4	4009.0
25°	3200.4	3187.4	3190.0	3223.8	3305.9	3451.7	3695.2	3778.5	4098.8	4287.6	3993.3
27.5°	3325.4	3311.1	3311.1	3328.0	3372.3	3505.1	3792.8	3887.9	4238.1	4432.1	4025.9
30°	3486.9	3472.5	3467.3	3484.2	3520.7	3643.1	4010.3	4109.2	4476.4	4669.1	4130.1
32.5°	3671.7	3654.8	3663.9	3687.4	3722.5	3891.8	4290.2	4421.7	4774.6	4988.1	4317.5
35°	3867.0	3852.7	3894.4	3945.2	3999.9	4236.8	4676.9	4791.5	5140.4	5385.2	4604.0
37.5°	4053.2	4046.7	4134.0	4240.7	4354.0	4650.9	5070.1	5158.7	5454.2	5817.5	4954.2
40°	4239.4	4238.1	4387.9	4575.4	4756.3	5063.6	5368.3	5441.2	5645.6	6153.4	5290.2
42.5°	4447.8	4447.8	4654.8	4904.8	5145.6	5412.6	5587.0	5619.6	5731.6	6347.4	5542.8
45°	4647.0	4658.7	4898.3	5188.6	5473.8	5684.7	5738.1	5740.7	5766.7	6462.0	5752.4
47.5°	4804.5	4814.9	5101.4	5436.0	5743.3	5891.7	5899.5	5887.8	5859.2	6571.4	5913.8
50°	4932.1	4947.7	5247.2	5601.4	5928.2	6090.9	6150.8	6139.1	6066.2	6688.6	6027.1
52.5°	4994.6	5016.7	5298.0	5683.4	6133.9	6432.1	6598.7	6626.1	6376.1	6753.7	6135.2
55°	4494.6	4527.2	4786.3	5313.6	6248.5	6959.4	7221.1	7215.9	6712.0	6947.7	6398.2
57.5°	3394.4	3391.8	3606.6	4183.4	5337.0	6989.3	7603.9	7593.5	7025.8	7172.9	6667.7
60°	2311.1	2295.5	2352.8	2631.4	3731.6	5693.8	6920.3	7060.9	6803.1	6626.1	5661.3
62.5°	1902.3	1888.0	1869.7	1792.9	2143.2	3546.7	4781.1	4994.6	4960.8	4605.3	3550.7
65°	1557.2	1569.0	1619.7	1587.2	1490.8	1818.9	2481.7	2608.0	2384.0	2006.4	1240.8
67.5°	1148.4	1153.6	1220.0	1391.9	1339.8	1210.9	1167.9	1188.8	696.6	320.3	207.0
70°	678.4	682.3	743.5	973.9	1087.2	929.7	789.0	777.3	276.0	85.9	93.7
72.5°	384.1	376.3	388.0	463.5	592.4	493.5	406.2	369.8	83.3	48.2	48.2
75°	182.3	177.1	152.3	143.2	130.2	83.3	52.1	44.3	20.8	19.5	19.5
77.5°	1.3	3.9	2.6	3.9	3.9	2.6	1.3	1.3	3.9	3.9	5.2
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°	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0	4660.0
2.5°	4630.0	4591.0	4581.9	4579.3	4542.8	4503.7	4463.4	4447.8	4424.3	4410.0	4421.7
5°	4542.8	4486.8	4437.3	4391.8	4311.0	4222.5	4145.7	4096.2	4049.3	4018.1	4025.9
7.5°	4419.1	4346.2	4232.9	4117.0	3968.6	3835.8	3687.4	3596.2	3511.6	3464.7	3486.9
10°	4287.6	4191.3	4010.3	3813.7	3580.6	3372.3	3160.0	2986.9	2886.6	2791.6	2802.0
12.5°	4158.7	4031.1	3760.3	3462.1	3167.9	2860.6	2540.3	2300.7	2136.6	2018.2	1999.9
15°	4038.9	3874.9	3516.8	3123.6	2722.6	2313.7	1904.9	1562.4	1372.3	1255.2	1247.3
17.5°	3932.1	3729.0	3264.2	2769.4	2266.8	1743.4	1273.4	1016.9	907.5	856.7	851.5
20°	3829.3	3581.9	3006.4	2410.1	1769.5	1223.9	878.9	760.4	725.2	704.4	707.0
22.5°	3730.3	3421.7	2735.6	2011.6	1326.8	859.3	681.0	635.4	631.5	634.1	635.4
25°	3647.0	3274.6	2456.9	1627.5	946.6	654.9	569.0	556.0	567.7	584.6	587.2
27.5°	3604.0	3154.8	2184.8	1240.8	684.9	532.5	493.5	498.7	519.5	537.7	540.3
30°	3615.8	3065.0	1903.6	899.7	527.3	449.2	436.2	446.6	467.4	484.4	487.0
32.5°	3699.1	3019.4	1615.8	654.9	433.6	391.9	386.7	394.5	412.7	425.8	427.1
35°	3864.4	3029.8	1342.4	501.3	372.4	348.9	347.6	352.9	362.0	371.1	372.4
37.5°	4107.9	3114.5	1072.9	416.7	337.2	320.3	315.1	315.1	321.6	325.5	328.1
40°	4369.6	3242.1	859.3	368.5	312.5	294.3	283.8	279.9	285.1	290.4	291.7
42.5°	4585.8	3369.7	697.9	334.6	293.0	268.2	255.2	252.6	259.1	268.2	270.8
45°	4751.1	3468.6	582.0	307.3	270.8	243.5	229.2	229.2	240.9	256.5	259.1
47.5°	4902.2	3548.0	496.1	282.5	250.0	221.3	207.0	209.6	229.2	250.0	253.9
50°	5005.0	3611.8	432.3	260.4	233.1	203.1	190.1	195.3	218.7	243.5	247.4
52.5°	5115.7	3690.0	390.6	240.9	217.4	188.8	177.1	181.0	207.0	234.4	239.6
55°	5421.7	3951.7	389.3	214.8	190.1	169.3	164.1	165.4	191.4	222.6	229.2
57.5°	5671.7	4182.1	415.3	181.0	158.8	148.4	145.8	147.1	170.6	205.7	213.5
60°	4692.5	3249.9	343.7	149.7	132.8	130.2	126.3	128.9	151.0	182.3	188.8
62.5°	2777.2	1858.0	164.1	114.6	113.3	110.7	106.8	112.0	132.8	160.2	164.1
65°	949.2	550.8	104.2	93.7	96.4	92.4	88.5	93.7	112.0	127.6	128.9
67.5°	182.3	145.8	83.3	78.1	79.4	71.6	70.3	75.5	85.9	88.5	87.2
70°	95.0	84.6	63.8	63.8	61.2	50.8	50.8	56.0	56.0	52.1	50.8
72.5°	49.5	46.9	41.7	46.9	39.1	31.2	31.2	33.9	31.2	26.0	26.0
75°	19.5	19.5	18.2	23.4	16.9	14.3	13.0	15.6	11.7	9.1	9.1
77.5°	5.2	5.2	5.2	6.5	3.9	3.9	2.6	2.6	1.3	0.0	0.0
80°	0.0	1.3	0.0	1.3	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)