

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: P636383

Luminaire Tested: GWS-SA3F-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636383
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-SA3F-760-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14428.3 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

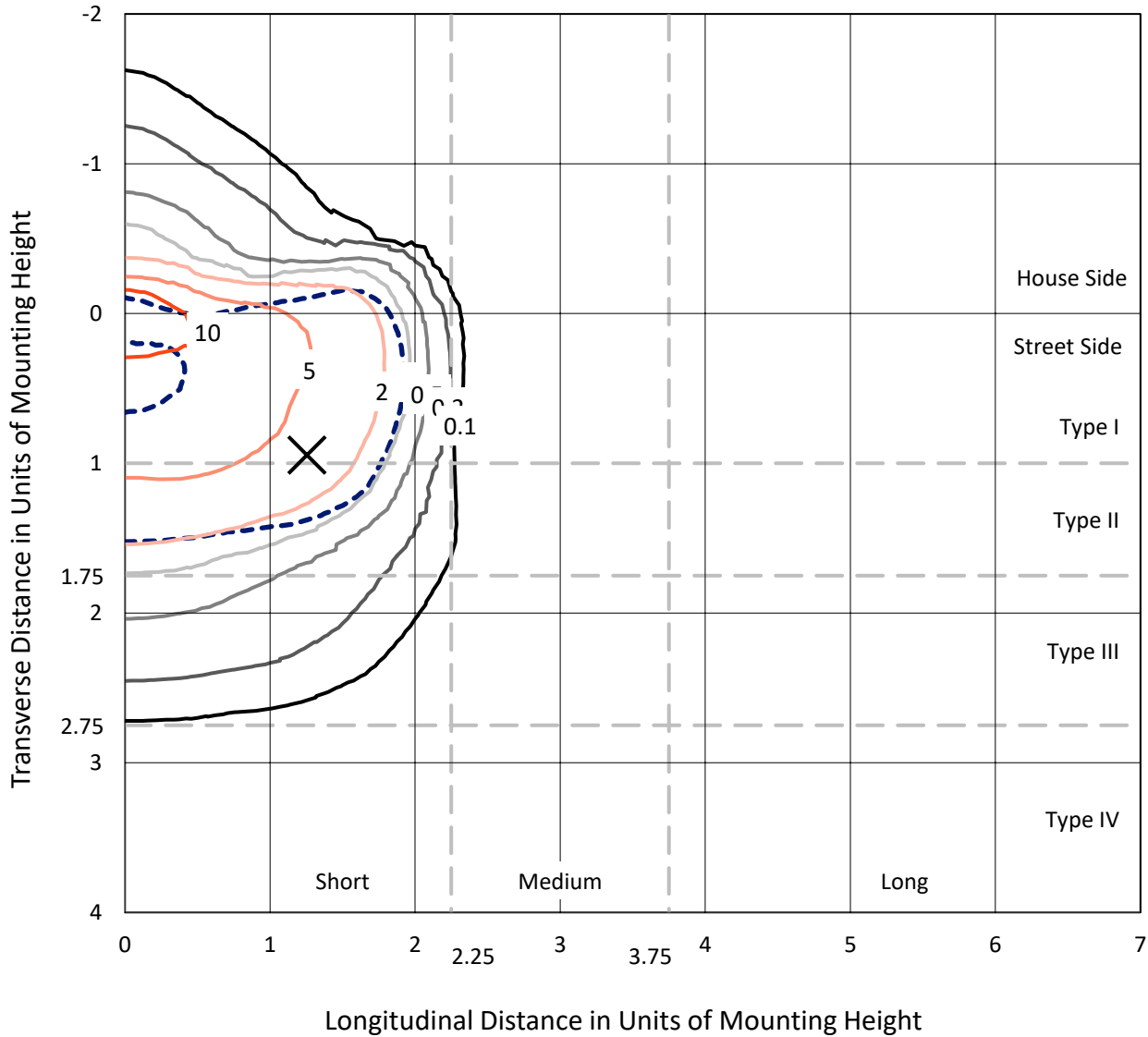
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

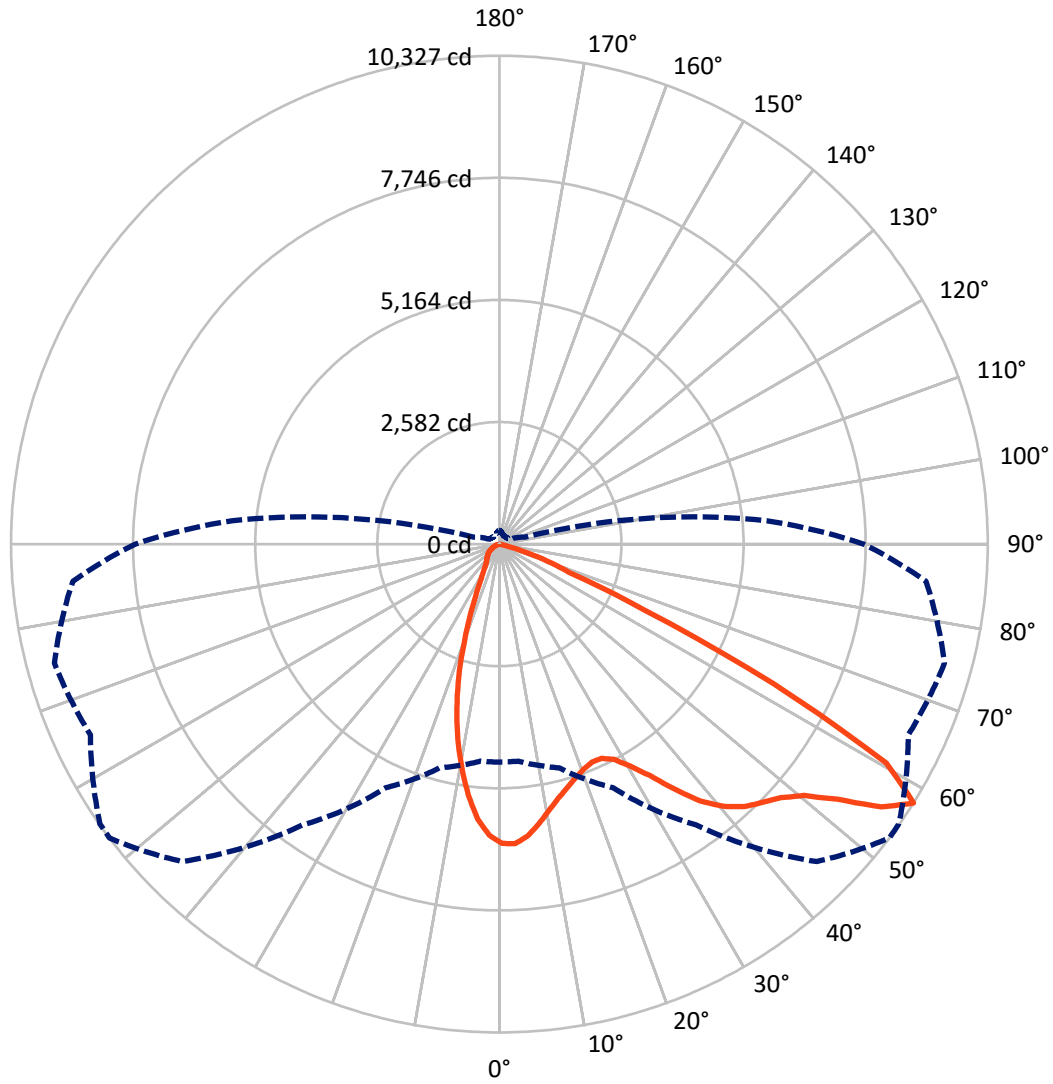
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 15.8 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	2383.4	0.0	2383.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	12044.9	0.0	12044.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	14428.3	0.0	14428.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.5	3.8
10°-20°	1188.8	8.2
20°-30°	1548.7	10.7
30°-40°	2246.4	15.6
40°-50°	3241.4	22.5
50°-60°	3920.2	27.2
60°-70°	1597.7	11.1
70°-80°	143.6	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°	14428.3	100.0
0°-180°	14428.3	100.0

Coefficient of Utilization



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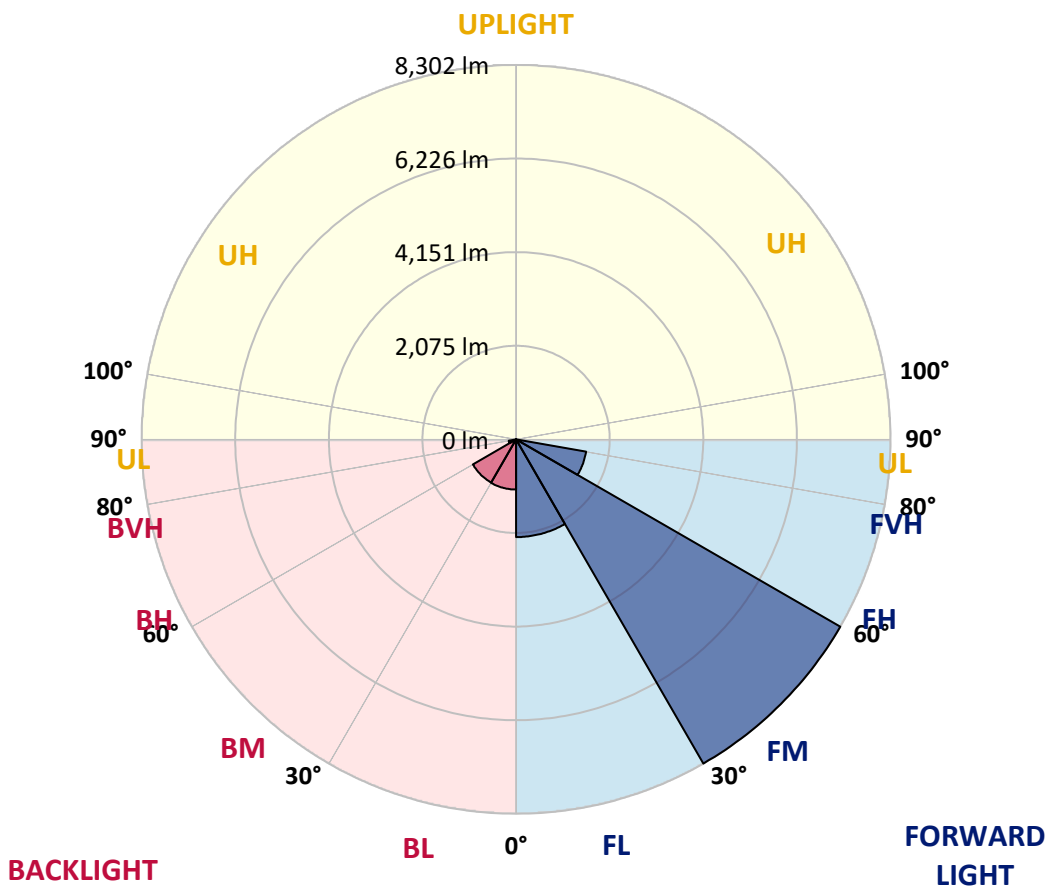
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2166.7	15.0			
FM (30°-60°)	8301.8	57.5			
FH (60°-80°)	1576.5	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1112.4	7.7	B3/2500		
BM (30°-60°)	1106.2	7.7	B2/2500		
BH (60°-80°)	164.8	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: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1
2.5°	6240.7	6254.8	6279.6	6311.4	6332.6	6343.2	6343.2	6373.3	6353.8	6337.9	6320.2
5°	5973.6	5987.8	6021.4	6072.7	6123.9	6161.1	6203.5	6235.4	6247.7	6247.7	6217.7
7.5°	5597.0	5616.4	5637.6	5708.4	5819.8	5902.9	5975.4	6021.4	6088.6	6109.8	6067.4
10°	5192.0	5211.5	5259.2	5356.5	5483.8	5607.6	5731.4	5789.7	5904.7	5964.8	5917.0
12.5°	4848.9	4857.8	4921.4	5038.1	5200.8	5370.6	5520.9	5581.0	5743.7	5833.9	5777.3
15°	4566.0	4571.3	4635.0	4764.0	4951.5	5160.2	5349.4	5411.3	5611.1	5747.3	5662.4
17.5°	4352.0	4353.8	4408.6	4548.3	4744.6	4976.3	5200.8	5276.9	5535.1	5699.5	5572.2
20°	4244.1	4238.8	4277.7	4399.8	4585.4	4817.1	5082.4	5176.1	5492.6	5692.5	5503.2
22.5°	4245.9	4233.5	4249.4	4336.1	4493.5	4711.0	5008.1	5114.2	5496.2	5722.5	5444.9
25°	4346.7	4329.0	4332.6	4378.5	4489.9	4688.0	5018.7	5131.9	5566.9	5823.3	5423.7
27.5°	4516.5	4497.0	4497.0	4520.0	4580.1	4760.5	5151.3	5280.4	5756.1	6019.6	5467.9
30°	4735.8	4716.3	4709.2	4732.2	4781.7	4948.0	5446.6	5581.0	6079.7	6341.5	5609.3
32.5°	4986.9	4963.9	4976.3	5008.1	5055.8	5285.7	5826.9	6005.5	6484.7	6774.7	5864.0
35°	5252.1	5232.7	5289.3	5358.2	5432.5	5754.3	6352.1	6507.7	6981.6	7314.1	6253.0
37.5°	5505.0	5496.2	5614.6	5759.7	5913.5	6316.7	6886.1	7006.4	7407.8	7901.2	6728.7
40°	5757.9	5756.1	5959.5	6214.1	6459.9	6877.3	7291.1	7390.1	7667.7	8357.4	7185.0
42.5°	6040.8	6040.8	6322.0	6661.5	6988.7	7351.2	7588.2	7632.4	7784.5	8620.9	7528.0
45°	6311.4	6327.3	6652.7	7047.0	7434.3	7720.8	7793.3	7796.8	7832.2	8776.5	7812.8
47.5°	6525.4	6539.5	6928.6	7383.0	7800.4	8002.0	8012.6	7996.7	7957.8	8925.1	8032.0
50°	6698.7	6719.9	7126.6	7607.6	8051.5	8272.5	8353.9	8338.0	8238.9	9084.2	8185.9
52.5°	6783.6	6813.6	7195.6	7719.0	8330.9	8735.9	8962.2	8999.3	8659.8	9172.6	8332.7
55°	6104.5	6148.7	6500.6	7216.8	8486.5	9452.1	9807.5	9800.4	9116.1	9436.1	8689.9
57.5°	4610.2	4606.7	4898.4	5681.8	7248.6	9492.7	10327.4	10313.3	9542.2	9742.1	9055.9
60°	3138.9	3117.7	3195.5	3573.9	5068.2	7733.2	9399.0	9590.0	9239.8	8999.3	7689.0
62.5°	2583.6	2564.2	2539.4	2435.1	2910.8	4817.1	6493.5	6783.6	6737.6	6254.8	4822.4
65°	2115.0	2130.9	2199.9	2155.7	2024.8	2470.4	3370.6	3542.1	3237.9	2725.1	1685.3
67.5°	1559.7	1566.8	1657.0	1890.4	1819.7	1644.6	1586.2	1614.5	946.1	435.0	281.2
70°	921.3	926.6	1009.8	1322.8	1476.6	1262.6	1071.6	1055.7	374.9	116.7	127.3
72.5°	521.7	511.1	527.0	629.5	804.6	670.2	551.7	502.2	113.2	65.4	65.4
75°	247.6	240.5	206.9	194.5	176.8	113.2	70.7	60.1	28.3	26.5	26.5
77.5°	1.8	5.3	3.5	5.3	5.3	3.5	1.8	1.8	5.3	5.3	7.1
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°	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1	6329.1
2.5°	6288.4	6235.4	6223.0	6219.4	6169.9	6116.9	6062.0	6040.8	6009.0	5989.5	6005.5
5°	6169.9	6093.9	6026.7	5964.8	5855.1	5734.9	5630.6	5563.4	5499.7	5457.3	5467.9
7.5°	6001.9	5902.9	5749.0	5591.7	5390.1	5209.7	5008.1	4884.3	4769.4	4705.7	4735.8
10°	5823.3	5692.5	5446.6	5179.6	4863.1	4580.1	4291.9	4056.7	3920.5	3791.4	3805.6
12.5°	5648.2	5474.9	5107.1	4702.2	4302.5	3885.2	3450.1	3124.7	2901.9	2741.0	2716.3
15°	5485.6	5262.7	4776.4	4242.4	3697.7	3142.4	2587.2	2122.1	1863.9	1704.7	1694.1
17.5°	5340.5	5064.7	4433.4	3761.4	3078.8	2367.9	1729.5	1381.1	1232.6	1163.6	1156.5
20°	5200.8	4864.8	4083.2	3273.3	2403.2	1662.3	1193.7	1032.7	985.0	956.7	960.2
22.5°	5066.4	4647.3	3715.4	2732.2	1802.0	1167.1	924.9	863.0	857.7	861.2	863.0
25°	4953.3	4447.5	3337.0	2210.5	1285.6	889.5	772.8	755.1	771.0	794.0	797.5
27.5°	4894.9	4284.8	2967.4	1685.3	930.2	723.3	670.2	677.3	705.6	730.3	733.9
30°	4910.8	4162.8	2585.4	1222.0	716.2	610.1	592.4	606.6	634.9	657.8	661.4
32.5°	5024.0	4100.9	2194.6	889.5	588.9	532.3	525.2	535.8	560.6	578.3	580.0
35°	5248.6	4115.0	1823.2	680.8	505.8	473.9	472.2	479.2	491.6	504.0	505.8
37.5°	5579.3	4230.0	1457.2	565.9	458.0	435.0	428.0	428.0	436.8	442.1	445.6
40°	5934.7	4403.3	1167.1	500.5	424.4	399.7	385.5	380.2	387.3	394.4	396.1
42.5°	6228.3	4576.6	947.9	454.5	397.9	364.3	346.6	343.1	351.9	364.3	367.8
45°	6452.9	4711.0	790.5	417.3	367.8	330.7	311.2	311.2	327.2	348.4	351.9
47.5°	6658.0	4818.9	673.8	383.7	339.5	300.6	281.2	284.7	311.2	339.5	344.8
50°	6797.7	4905.5	587.1	353.7	316.5	275.9	258.2	265.3	297.1	330.7	336.0
52.5°	6948.0	5011.6	530.5	327.2	295.3	256.4	240.5	245.8	281.2	318.3	325.4
55°	7363.6	5367.1	528.7	291.8	258.2	229.9	222.8	224.6	260.0	302.4	311.2
57.5°	7703.1	5680.1	564.1	245.8	215.7	201.6	198.1	199.8	231.7	279.4	290.0
60°	6373.3	4413.9	466.9	203.4	180.4	176.8	171.5	175.1	205.1	247.6	256.4
62.5°	3772.0	2523.5	222.8	155.6	153.9	150.3	145.0	152.1	180.4	217.5	222.8
65°	1289.2	748.0	141.5	127.3	130.9	125.6	120.3	127.3	152.1	173.3	175.1
67.5°	247.6	198.1	113.2	106.1	107.9	97.3	95.5	102.6	116.7	120.3	118.5
70°	129.1	114.9	86.7	86.7	83.1	69.0	69.0	76.0	76.0	70.7	69.0
72.5°	67.2	63.7	56.6	63.7	53.1	42.4	42.4	46.0	42.4	35.4	35.4
75°	26.5	26.5	24.8	31.8	23.0	19.5	17.7	21.2	15.9	12.4	12.4
77.5°	7.1	7.1	7.1	8.8	5.3	5.3	3.5	3.5	1.8	0.0	0.0
80°	0.0	1.8	0.0	1.8	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)