

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: P641828

Luminaire Tested: GWS-SA6B-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641828
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-SA6B-760-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12493.9 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

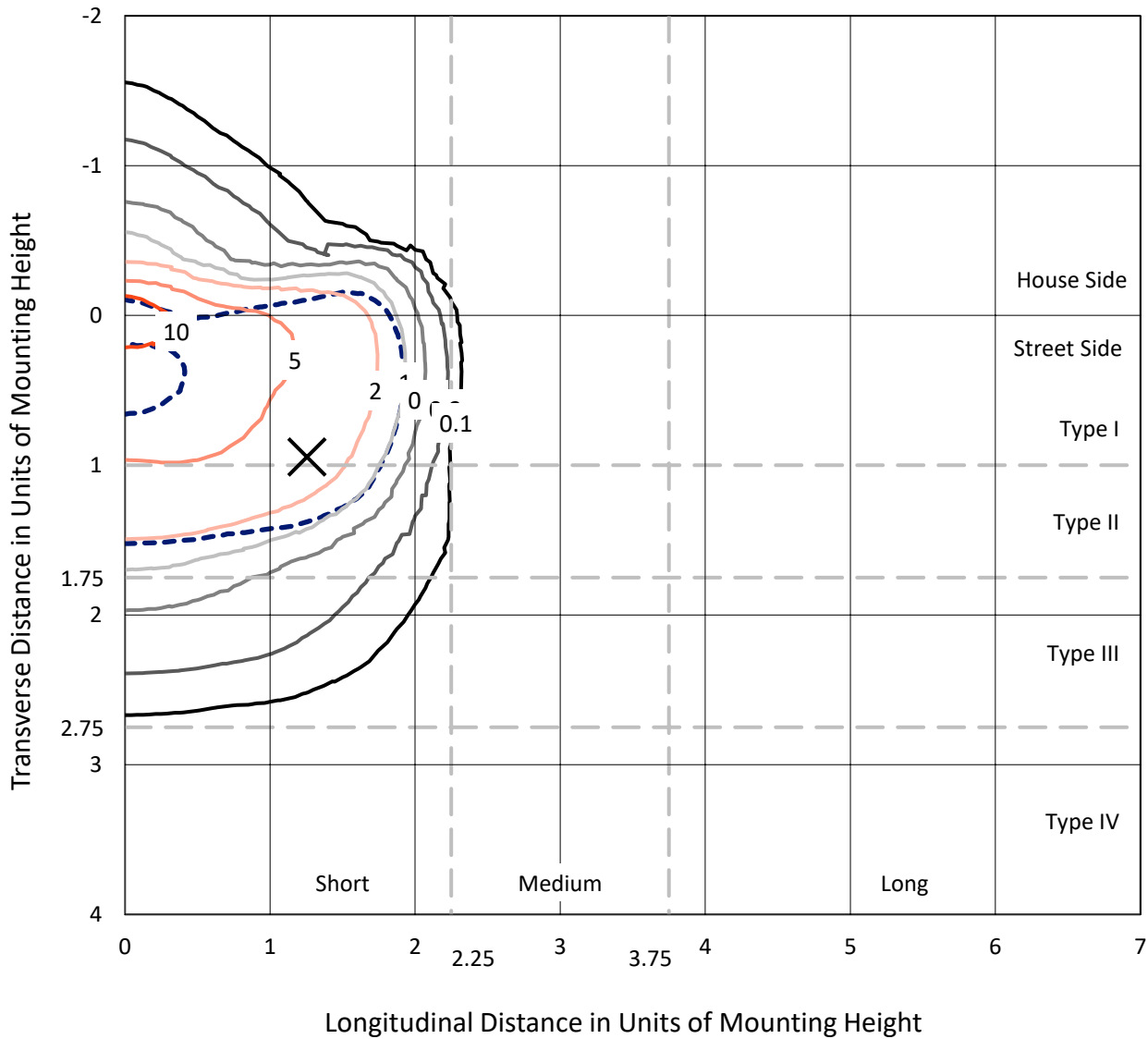
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

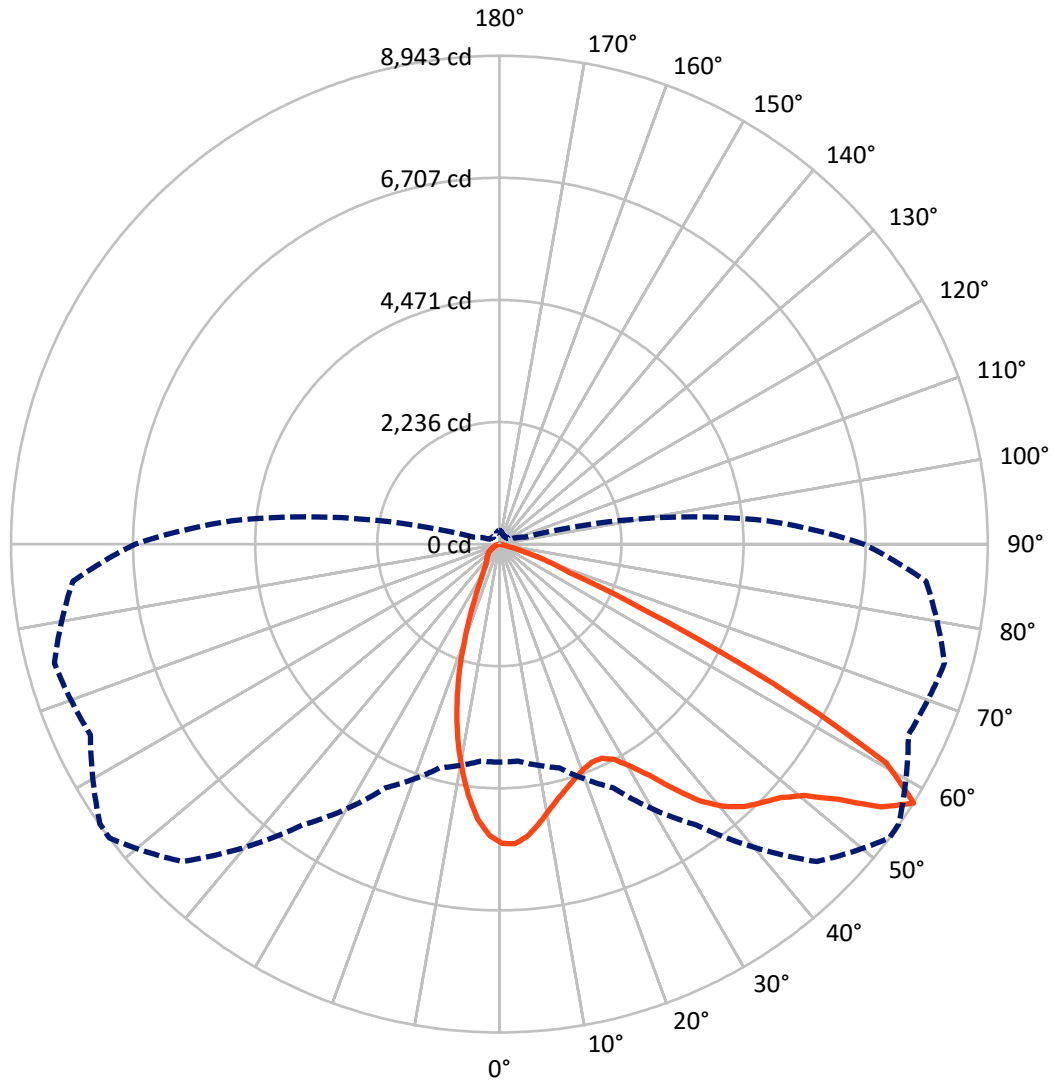
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.7 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	2063.8	0.0	2063.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	10430.1	0.0	10430.1
	% Fixture	83.5	0.0	83.5
Total	Lumens	12493.9	0.0	12493.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.9	3.8
10°-20°	1029.4	8.2
20°-30°	1341.1	10.7
30°-40°	1945.2	15.6
40°-50°	2806.8	22.5
50°-60°	3394.6	27.2
60°-70°	1383.5	11.1
70°-80°	124.3	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°	12493.9	100.0
0°-180°	12493.9	100.0

Coefficient of Utilization



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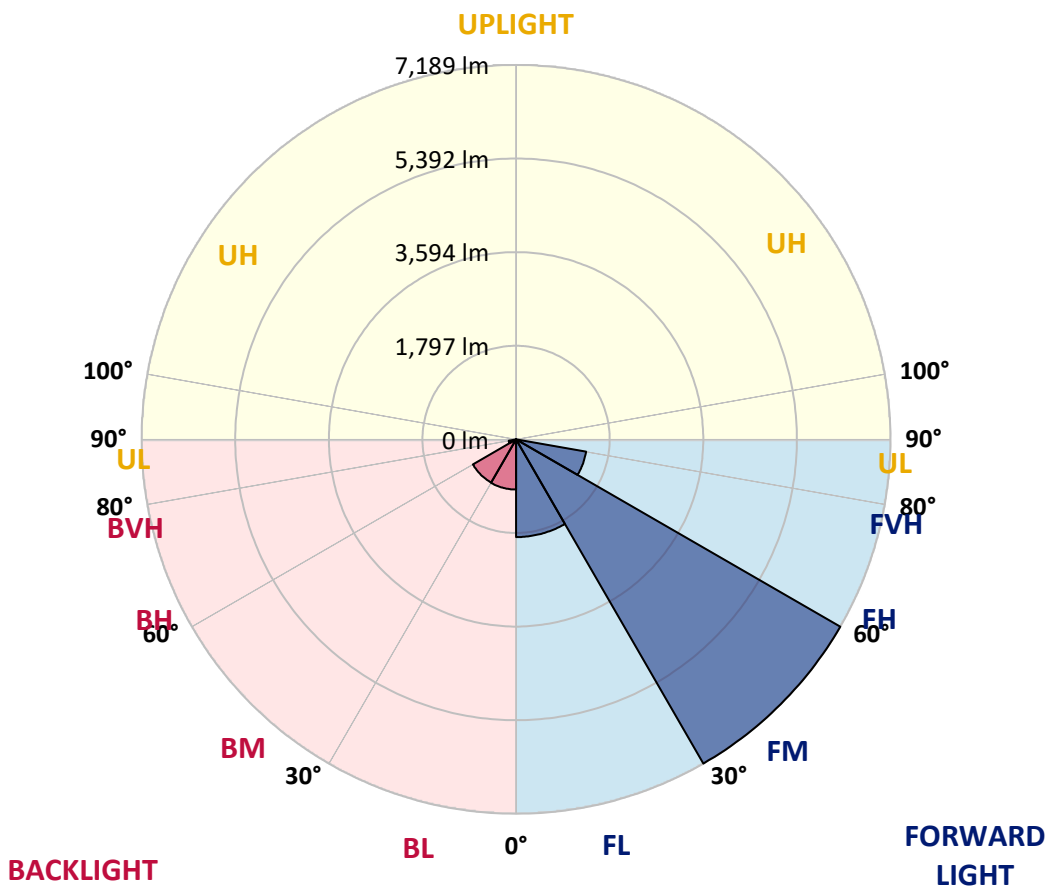
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1876.2	15.0			
FM (30°-60°)	7188.7	57.5			
FH (60°-80°)	1365.2	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	963.2	7.7	B2/1000		
BM (30°-60°)	957.9	7.7	B1/1000		
BH (60°-80°)	142.7	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°	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5
2.5°	5404.0	5416.2	5437.7	5465.2	5483.6	5492.8	5492.8	5518.8	5502.0	5488.2	5472.9
5°	5172.7	5185.0	5214.1	5258.5	5302.9	5335.1	5371.8	5399.4	5410.1	5410.1	5384.1
7.5°	4846.6	4863.4	4881.8	4943.0	5039.5	5111.5	5174.3	5214.1	5272.3	5290.7	5253.9
10°	4495.9	4512.8	4554.1	4638.3	4748.6	4855.8	4963.0	5013.5	5113.0	5165.1	5123.7
12.5°	4198.8	4206.5	4261.6	4362.7	4503.6	4650.6	4780.7	4832.8	4973.7	5051.8	5002.8
15°	3953.8	3958.4	4013.5	4125.3	4287.7	4468.3	4632.2	4685.8	4858.8	4976.7	4903.2
17.5°	3768.5	3770.1	3817.5	3938.5	4108.5	4309.1	4503.6	4569.4	4793.0	4935.4	4825.1
20°	3675.1	3670.5	3704.2	3809.9	3970.7	4171.3	4401.0	4482.1	4756.2	4929.3	4765.4
22.5°	3676.7	3665.9	3679.7	3754.8	3891.0	4079.4	4336.7	4428.5	4759.3	4955.3	4714.9
25°	3763.9	3748.6	3751.7	3791.5	3888.0	4059.5	4345.8	4443.8	4820.5	5042.6	4696.5
27.5°	3911.0	3894.1	3894.1	3914.0	3966.1	4122.3	4460.7	4572.5	4984.4	5212.6	4734.8
30°	4100.8	4084.0	4077.9	4097.8	4140.6	4284.6	4716.4	4832.8	5264.6	5491.3	4857.3
32.5°	4318.3	4298.4	4309.1	4336.7	4378.0	4577.1	5045.6	5200.3	5615.3	5866.4	5077.8
35°	4548.0	4531.1	4580.1	4639.9	4704.2	4982.9	5500.4	5635.2	6045.6	6333.5	5414.7
37.5°	4766.9	4759.3	4861.9	4987.5	5120.7	5469.8	5962.9	6067.0	6414.6	6841.9	5826.6
40°	4985.9	4984.4	5160.5	5381.0	5593.9	5955.2	6313.6	6399.3	6639.7	7236.9	6221.7
42.5°	5230.9	5230.9	5474.4	5768.4	6051.7	6365.6	6570.8	6609.1	6740.8	7465.1	6518.8
45°	5465.2	5479.0	5760.8	6102.2	6437.6	6685.7	6748.5	6751.5	6782.1	7599.9	6765.3
47.5°	5650.5	5662.8	5999.6	6393.2	6754.6	6929.2	6938.3	6924.6	6890.9	7728.5	6955.2
50°	5800.6	5819.0	6171.2	6587.7	6972.0	7163.4	7233.9	7220.1	7134.3	7866.3	7088.4
52.5°	5874.1	5900.1	6230.9	6684.1	7214.0	7564.6	7760.6	7792.8	7498.8	7942.9	7215.5
55°	5286.1	5324.3	5629.1	6249.3	7348.7	8184.8	8492.6	8486.5	7893.9	8171.0	7524.8
57.5°	3992.1	3989.0	4241.7	4920.1	6276.8	8220.0	8942.8	8930.6	8262.9	8436.0	7841.8
60°	2718.1	2699.7	2767.1	3094.8	4388.7	6696.4	8138.9	8304.3	8001.1	7792.8	6658.1
62.5°	2237.2	2220.4	2199.0	2108.6	2520.5	4171.3	5622.9	5874.1	5834.3	5416.2	4175.9
65°	1831.4	1845.2	1904.9	1866.7	1753.3	2139.2	2918.7	3067.2	2803.8	2359.7	1459.3
67.5°	1350.6	1356.7	1434.8	1637.0	1575.7	1424.1	1373.6	1398.1	819.2	376.7	243.5
70°	797.8	802.4	874.4	1145.4	1278.6	1093.4	928.0	914.2	324.6	101.1	110.3
72.5°	451.7	442.5	456.3	545.1	696.7	580.4	477.8	434.9	98.0	56.7	56.7
75°	214.4	208.3	179.2	168.4	153.1	98.0	61.3	52.1	24.5	23.0	23.0
77.5°	1.5	4.6	3.1	4.6	4.6	3.1	1.5	1.5	4.6	4.6	6.1
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°	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5	5480.5
2.5°	5445.3	5399.4	5388.7	5385.6	5342.7	5296.8	5249.3	5230.9	5203.4	5186.5	5200.3
5°	5342.7	5276.9	5218.7	5165.1	5070.1	4966.0	4875.7	4817.5	4762.4	4725.6	4734.8
7.5°	5197.2	5111.5	4978.3	4842.0	4667.4	4511.2	4336.7	4229.5	4129.9	4074.8	4100.8
10°	5042.6	4929.3	4716.4	4485.2	4211.1	3966.1	3716.5	3512.8	3394.9	3283.1	3295.4
12.5°	4891.0	4740.9	4422.4	4071.7	3725.7	3364.3	2987.6	2705.8	2512.9	2373.5	2352.1
15°	4750.1	4557.2	4136.1	3673.6	3202.0	2721.1	2240.3	1837.6	1614.0	1476.2	1467.0
17.5°	4624.5	4385.7	3839.0	3257.1	2666.0	2050.4	1497.6	1195.9	1067.3	1007.6	1001.5
20°	4503.6	4212.6	3535.8	2834.4	2081.0	1439.4	1033.6	894.3	852.9	828.4	831.5
22.5°	4387.2	4024.3	3217.3	2365.9	1560.4	1010.7	800.9	747.3	742.7	745.7	747.3
25°	4289.2	3851.2	2889.6	1914.1	1113.3	770.2	669.2	653.9	667.6	687.6	690.6
27.5°	4238.6	3710.3	2569.5	1459.3	805.5	626.3	580.4	586.5	611.0	632.4	635.5
30°	4252.4	3604.7	2238.8	1058.1	620.2	528.3	513.0	525.2	549.7	569.6	572.7
32.5°	4350.4	3551.1	1900.3	770.2	509.9	460.9	454.8	464.0	485.4	500.7	502.3
35°	4544.9	3563.3	1578.8	589.6	438.0	410.4	408.9	415.0	425.7	436.4	438.0
37.5°	4831.3	3662.9	1261.8	490.0	396.6	376.7	370.6	370.6	378.2	382.8	385.9
40°	5139.1	3812.9	1010.7	433.4	367.5	346.1	333.8	329.2	335.4	341.5	343.0
42.5°	5393.3	3963.0	820.8	393.5	344.5	315.4	300.1	297.1	304.7	315.4	318.5
45°	5587.7	4079.4	684.5	361.4	318.5	286.4	269.5	269.5	283.3	301.7	304.7
47.5°	5765.4	4172.8	583.4	332.3	294.0	260.3	243.5	246.5	269.5	294.0	298.6
50°	5886.3	4247.8	508.4	306.3	274.1	238.9	223.6	229.7	257.3	286.4	290.9
52.5°	6016.5	4339.7	459.4	283.3	255.7	222.0	208.3	212.9	243.5	275.6	281.8
55°	6376.3	4647.5	457.9	252.7	223.6	199.1	192.9	194.5	225.1	261.9	269.5
57.5°	6670.4	4918.5	488.5	212.9	186.8	174.6	171.5	173.0	200.6	241.9	251.1
60°	5518.8	3822.1	404.3	176.1	156.2	153.1	148.5	151.6	177.6	214.4	222.0
62.5°	3266.3	2185.2	192.9	134.8	133.2	130.2	125.6	131.7	156.2	188.4	192.9
65°	1116.3	647.7	122.5	110.3	113.3	108.7	104.1	110.3	131.7	150.1	151.6
67.5°	214.4	171.5	98.0	91.9	93.4	84.2	82.7	88.8	101.1	104.1	102.6
70°	111.8	99.5	75.0	75.0	72.0	59.7	59.7	65.8	65.8	61.3	59.7
72.5°	58.2	55.1	49.0	55.1	45.9	36.8	36.8	39.8	36.8	30.6	30.6
75°	23.0	23.0	21.4	27.6	19.9	16.8	15.3	18.4	13.8	10.7	10.7
77.5°	6.1	6.1	6.1	7.7	4.6	4.6	3.1	3.1	1.5	0.0	0.0
80°	0.0	1.5	0.0	1.5	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)