

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: P641824

Luminaire Tested: GWS-SA6B-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641824  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-760-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

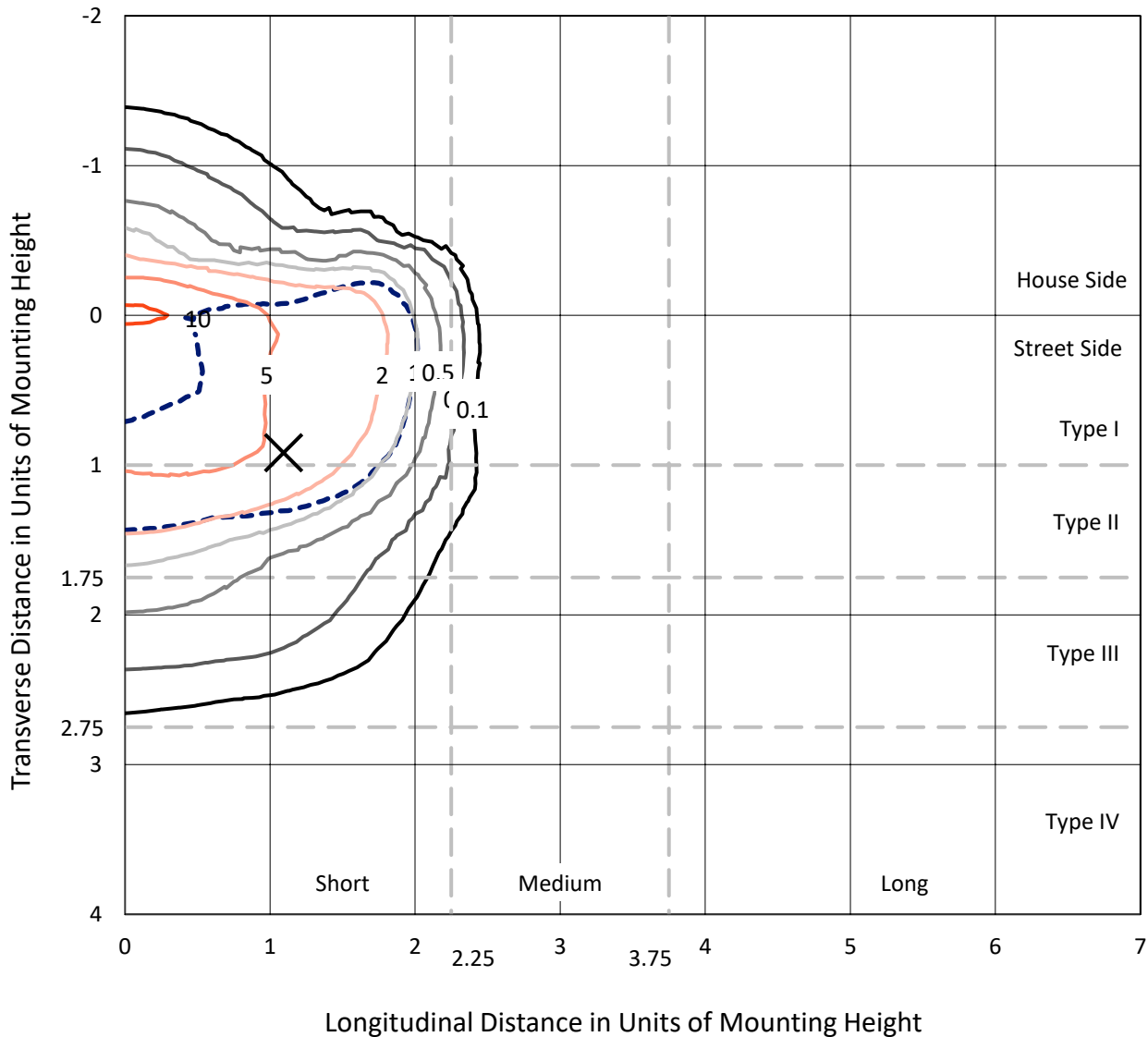
Lumens per Lamp: N/A  
Luminaire Lumens: 12542.9 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

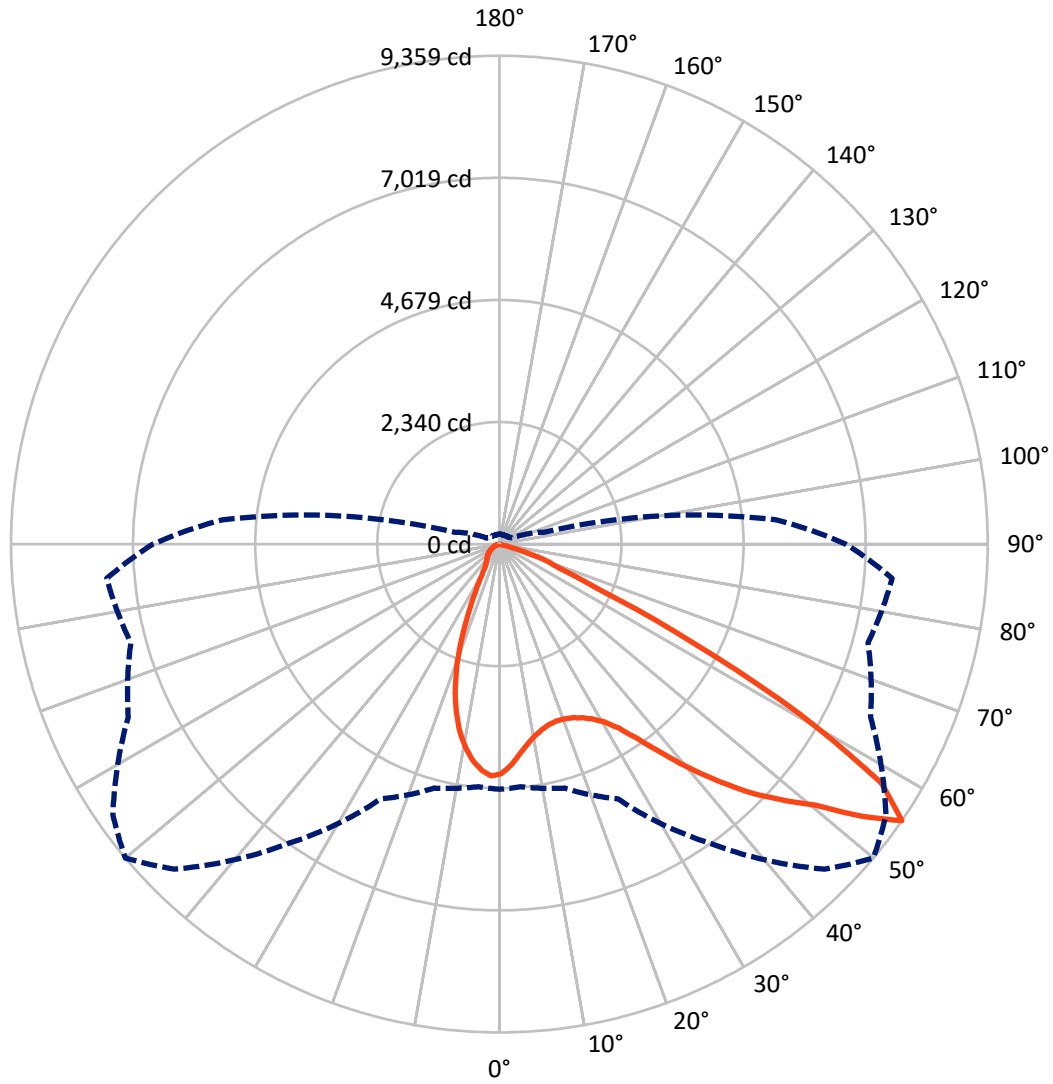
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2471.5	0.0	2471.5
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	10071.4	0.0	10071.4
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	12542.9	0.0	12542.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.5	3.1
10°-20°	951.1	7.6
20°-30°	1341.5	10.7
30°-40°	1985.2	15.8
40°-50°	2863.9	22.8
50°-60°	3378.2	26.9
60°-70°	1507.0	12.0
70°-80°	129.5	1.0
80°-90°	0.1	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°	12542.9	100.0
0°-180°	12542.9	100.0

**Coefficient of Utilization**



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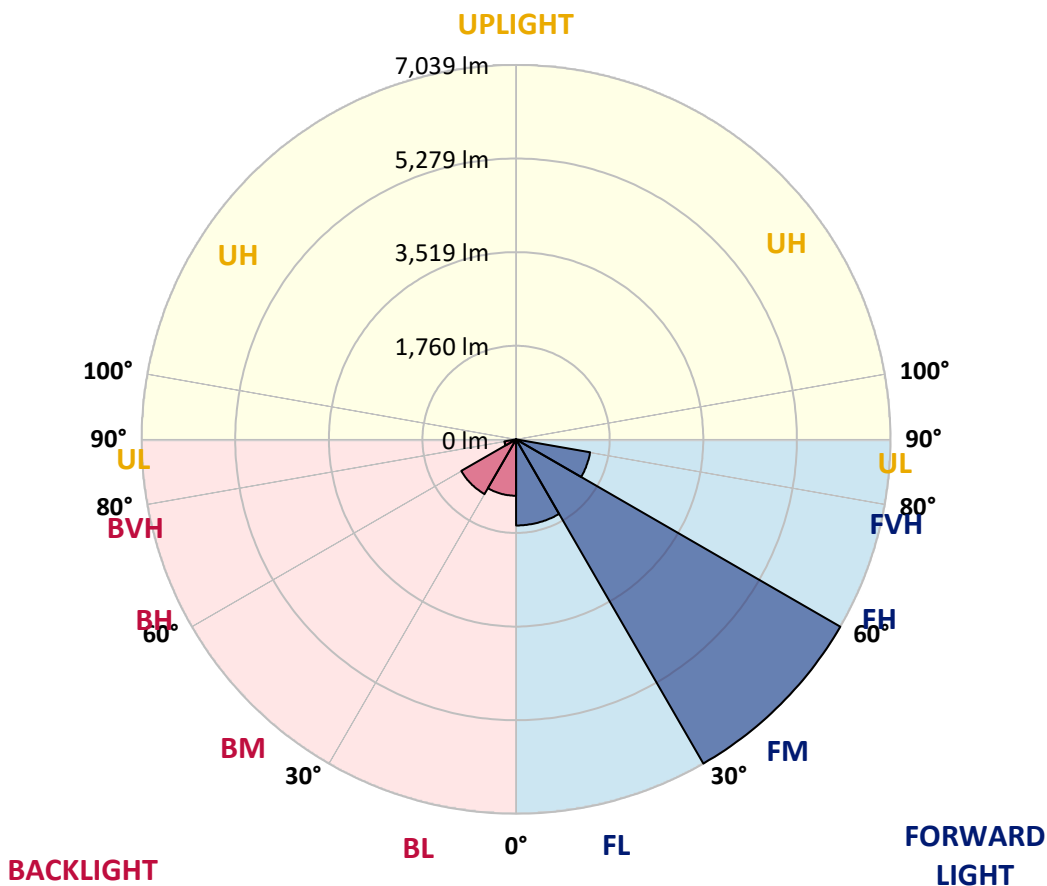
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1619.3	12.9			
FM (30°-60°)	7038.7	56.1			
FH (60°-80°)	1413.4	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1059.7	8.4	B3/2500		
BM (30°-60°)	1188.6	9.5	B2/2500		
BH (60°-80°)	223.2	1.8	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°	50°	55°	65°	75°	85°
0°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4088.4	4091.4	4093.0	4134.3	4149.6	4210.9	4243.0	4259.9	4304.3	4356.3	4399.2
5°	3814.3	3809.7	3817.3	3869.4	3903.1	3993.4	4042.4	4076.1	4174.1	4296.6	4399.2
7.5°	3575.4	3584.6	3593.8	3650.4	3701.0	3799.0	3869.4	3919.9	4056.2	4238.4	4411.5
10°	3407.0	3407.0	3420.8	3485.1	3544.8	3665.8	3736.2	3800.5	3962.8	4186.4	4425.2
12.5°	3283.0	3284.5	3301.3	3374.8	3443.7	3569.3	3642.8	3705.6	3884.7	4134.3	4428.3
15°	3224.8	3220.2	3234.0	3312.0	3388.6	3506.5	3583.1	3644.3	3829.6	4105.2	4443.6
17.5°	3209.5	3206.4	3217.1	3293.7	3371.8	3486.6	3561.6	3622.9	3821.9	4114.4	4489.6
20°	3253.9	3247.7	3243.1	3309.0	3382.5	3495.8	3573.9	3642.8	3858.7	4164.9	4560.0
22.5°	3359.5	3359.5	3348.8	3380.9	3429.9	3532.5	3613.7	3704.0	3955.2	4266.0	4664.1
25°	3554.0	3538.7	3518.8	3532.5	3526.4	3590.7	3687.2	3812.8	4137.4	4432.9	4791.2
27.5°	3776.0	3789.8	3756.1	3757.6	3704.0	3681.1	3792.8	3982.7	4408.4	4668.7	4979.6
30°	4077.7	4066.9	4068.5	4063.9	3939.8	3831.1	3952.1	4204.7	4749.9	5028.5	5224.5
32.5°	4313.5	4328.8	4379.3	4408.4	4246.1	4071.5	4200.2	4506.4	5138.8	5438.9	5524.7
35°	4563.1	4590.6	4693.2	4788.1	4651.9	4451.3	4589.1	4906.1	5504.8	5844.7	5869.2
37.5°	4826.4	4881.6	5004.1	5171.0	5149.5	4971.9	5097.5	5376.1	5792.6	6089.7	6154.0
40°	5128.1	5181.7	5382.3	5622.7	5673.2	5633.4	5674.7	5837.0	5982.5	6100.4	6276.5
42.5°	5458.8	5532.3	5786.5	6108.1	6297.9	6333.2	6236.7	6219.8	6065.2	5977.9	6250.5
45°	5849.3	5935.0	6222.9	6639.4	6941.1	6988.5	6821.6	6605.7	6117.3	5887.6	6172.4
47.5°	6287.2	6368.4	6654.7	7155.4	7604.1	7622.4	7331.5	6983.9	6271.9	5991.7	6232.1
50°	6434.2	6484.7	6732.8	7320.8	8147.7	8288.5	7867.4	7409.6	6582.7	6297.9	6523.0
52.5°	5928.9	5948.8	6164.7	6758.8	8037.4	8942.4	8649.9	8045.1	7135.5	6765.0	6971.7
55°	4697.8	4665.6	4840.2	5385.3	6985.5	8809.1	9358.9	9043.4	7847.5	7313.1	7555.1
57.5°	3286.0	3247.7	3207.9	3576.9	5212.3	7467.8	8623.9	9182.8	8525.9	7856.7	8184.4
60°	2701.1	2664.3	2471.4	2301.4	3151.3	5362.4	6624.1	7676.0	8470.7	7829.2	8164.5
62.5°	2333.6	2312.2	2234.1	2002.8	1854.3	3060.9	4148.1	5155.6	6500.1	6147.9	6166.3
65°	1832.9	1826.8	1880.3	1904.8	1639.9	1693.5	2116.2	2679.6	3514.2	3313.6	3142.1
67.5°	1252.5	1238.8	1339.8	1647.6	1577.2	1336.8	1238.8	1249.5	1520.5	929.5	738.1
70°	796.2	764.1	765.6	1021.3	1283.2	1055.0	955.5	840.6	756.4	137.8	156.2
72.5°	509.9	490.0	421.1	460.9	594.1	514.5	519.1	447.1	298.6	73.5	85.7
75°	214.4	197.5	151.6	121.0	119.4	75.0	65.8	61.2	41.3	41.3	44.4
77.5°	1.5	0.0	0.0	1.5	3.1	1.5	1.5	3.1	6.1	9.2	10.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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°	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7	4400.7
2.5°	4425.2	4388.5	4429.8	4445.2	4443.6	4445.2	4400.7	4370.1	4368.6	4330.3	4311.9
5°	4442.1	4413.0	4443.6	4423.7	4376.2	4316.5	4236.9	4168.0	4137.4	4093.0	4071.5
7.5°	4474.2	4443.6	4439.0	4359.4	4241.5	4115.9	3975.1	3849.5	3782.1	3701.0	3705.6
10°	4497.2	4462.0	4402.3	4240.0	4044.0	3843.4	3633.6	3446.8	3328.9	3220.2	3201.8
12.5°	4506.4	4454.3	4315.0	4070.0	3794.4	3532.5	3224.8	2958.3	2774.6	2632.2	2612.3
15°	4523.2	4439.0	4203.2	3864.8	3486.6	3116.0	2724.1	2359.6	2116.2	1952.3	1966.1
17.5°	4549.3	4422.2	4077.7	3635.1	3155.9	2632.2	2102.4	1684.3	1460.8	1365.9	1367.4
20°	4586.0	4402.3	3939.8	3382.5	2759.3	2085.5	1470.0	1154.5	1091.8	1088.7	1084.1
22.5°	4635.0	4382.4	3792.8	3105.3	2289.2	1460.8	978.5	880.5	906.5	957.0	966.2
25°	4693.2	4357.9	3629.0	2793.0	1776.2	958.5	733.5	718.1	780.9	848.3	863.6
27.5°	4783.6	4345.6	3442.2	2437.7	1246.4	687.5	600.2	609.4	666.1	722.7	736.5
30°	4936.7	4368.6	3238.5	2039.6	800.8	548.2	520.6	534.4	565.0	594.1	606.4
32.5°	5144.9	4436.0	3041.0	1604.7	571.1	476.2	470.1	477.7	490.0	506.8	511.4
35°	5388.4	4552.3	2837.4	1148.4	471.6	434.9	428.7	428.7	434.9	437.9	439.5
37.5°	5589.0	4674.8	2646.0	764.1	422.6	402.7	393.5	388.9	387.4	390.5	392.0
40°	5676.3	4725.4	2437.7	555.8	387.4	373.6	359.8	346.1	346.1	356.8	358.3
42.5°	5615.0	4668.7	2197.3	459.4	362.9	343.0	321.6	309.3	315.4	326.2	329.2
45°	5484.9	4529.4	1932.4	405.8	338.4	312.4	287.9	280.2	286.3	300.1	303.2
47.5°	5463.4	4437.5	1615.4	370.6	312.4	286.3	260.3	252.7	260.3	271.0	274.1
50°	5676.3	4517.1	1263.3	339.9	287.9	258.8	237.3	229.7	234.3	240.4	243.5
52.5°	6065.2	4812.6	1019.8	310.8	258.8	231.2	217.4	208.2	208.2	214.4	215.9
55°	6639.4	5328.7	880.5	277.2	225.1	209.8	197.5	188.3	188.3	191.4	192.9
57.5°	7300.9	5953.4	912.6	232.7	197.5	189.9	179.2	171.5	174.6	174.6	174.6
60°	7209.0	5907.5	976.9	196.0	174.6	171.5	162.3	159.2	166.9	160.8	157.7
62.5°	5310.3	4080.7	511.4	160.8	150.1	147.0	140.9	147.0	157.7	140.9	134.7
65°	2578.6	1975.3	205.2	131.7	127.1	124.0	121.0	130.2	136.3	110.2	104.1
67.5°	606.4	493.1	133.2	111.8	105.7	99.5	102.6	104.1	99.5	75.0	72.0
70°	157.7	154.7	104.1	93.4	84.2	78.1	78.1	76.6	65.8	47.5	44.4
72.5°	85.7	84.2	75.0	70.4	58.2	52.1	53.6	47.5	36.7	27.6	26.0
75°	42.9	45.9	42.9	39.8	32.2	29.1	29.1	26.0	18.4	10.7	10.7
77.5°	9.2	10.7	10.7	9.2	7.7	6.1	6.1	7.7	3.1	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	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)