

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: P641773

Luminaire Tested: GWS-SA6B-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641773  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

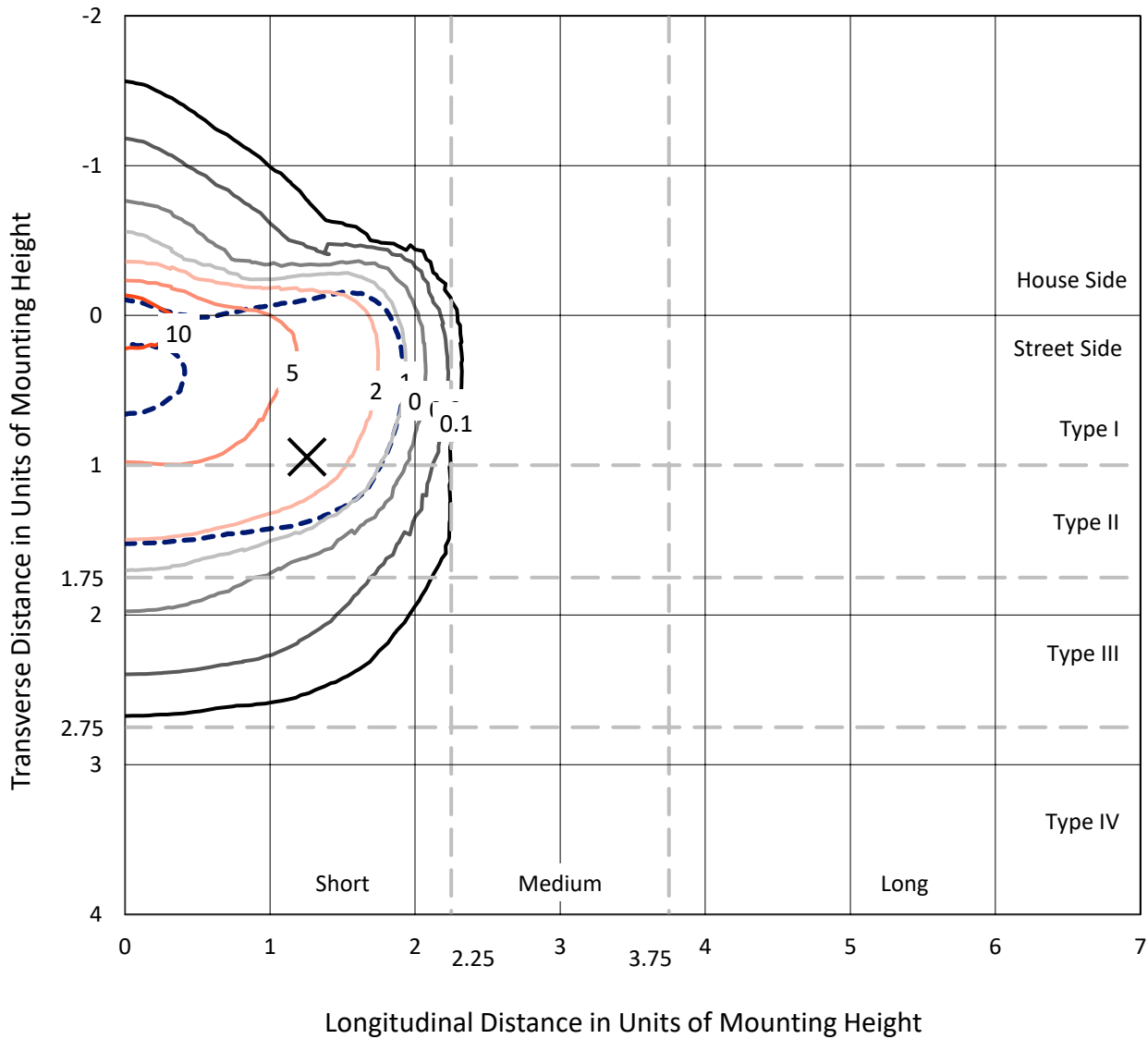
Lumens per Lamp: N/A  
Luminaire Lumens: 12667.5 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

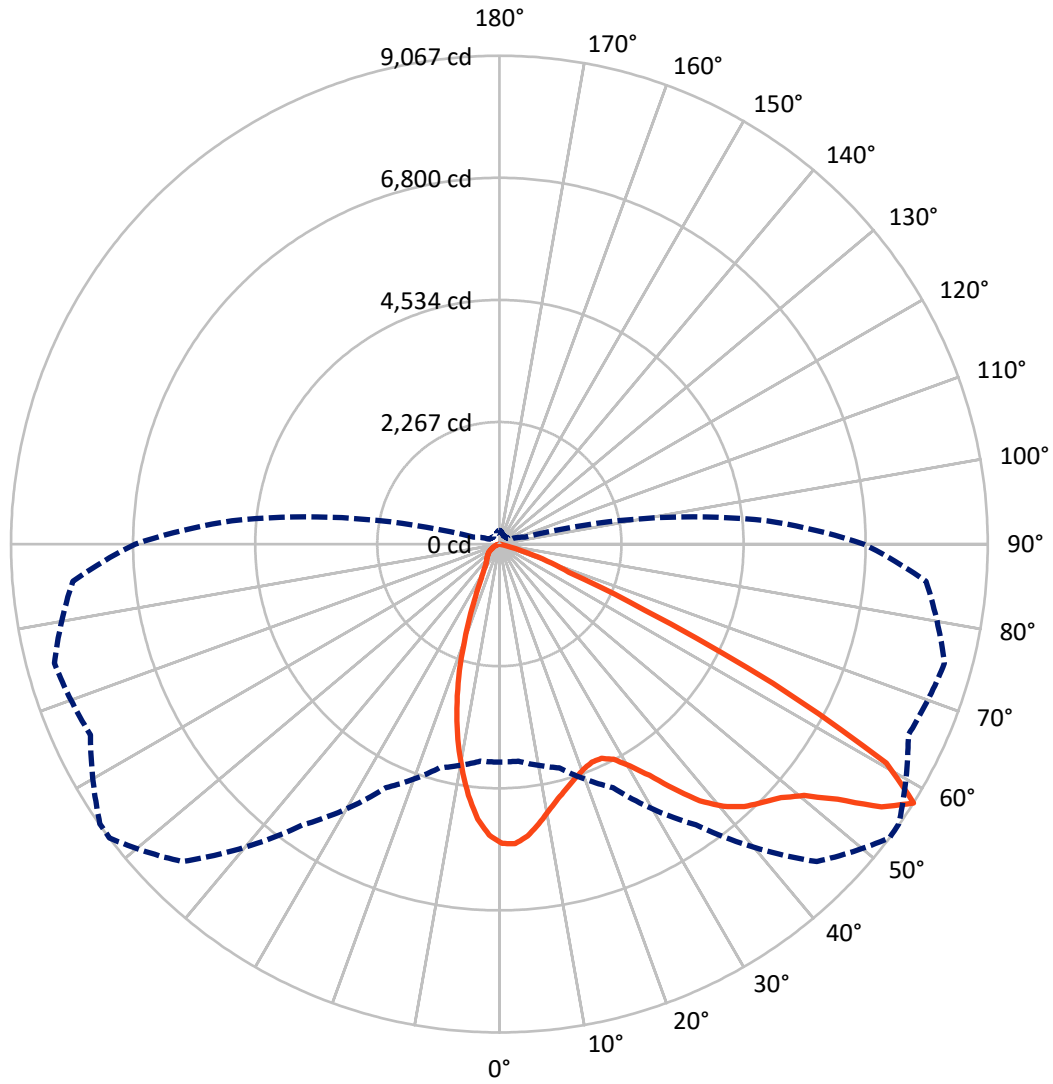
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.9 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
<b>House Side</b>	Lumens	2092.5	0.0	2092.5
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	10575.0	0.0	10575.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	12667.5	0.0	12667.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.4	3.8
10°-20°	1043.7	8.2
20°-30°	1359.7	10.7
30°-40°	1972.3	15.6
40°-50°	2845.8	22.5
50°-60°	3441.8	27.2
60°-70°	1402.7	11.1
70°-80°	126.1	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°	12667.5	100.0
0°-180°	12667.5	100.0

**Coefficient of Utilization**



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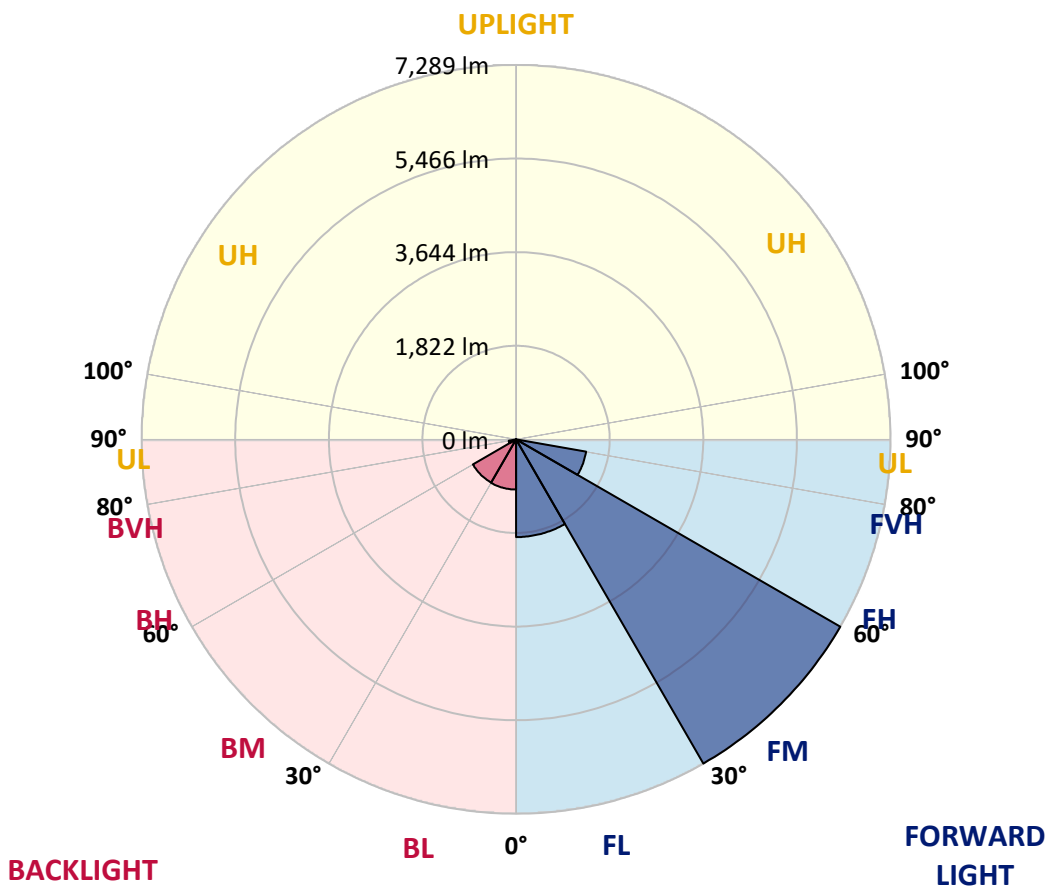
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1902.2	15.0			
FM (30°-60°)	7288.6	57.5			
FH (60°-80°)	1384.1	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	976.6	7.7	B2/1000		
BM (30°-60°)	971.2	7.7	B1/1000		
BH (60°-80°)	144.7	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°	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7
2.5°	5479.1	5491.5	5513.2	5541.2	5559.8	5569.1	5569.1	5595.5	5578.4	5564.5	5548.9
5°	5244.6	5257.0	5286.5	5331.6	5376.6	5409.2	5446.5	5474.4	5485.3	5485.3	5458.9
7.5°	4913.9	4931.0	4949.6	5011.7	5109.5	5182.5	5246.2	5286.5	5345.5	5364.2	5326.9
10°	4558.4	4575.5	4617.4	4702.8	4814.6	4923.2	5031.9	5083.2	5184.1	5236.9	5194.9
12.5°	4257.2	4264.9	4320.8	4423.3	4566.1	4715.2	4847.2	4899.9	5042.8	5122.0	5072.3
15°	4008.8	4013.4	4069.3	4182.7	4347.2	4530.4	4696.6	4750.9	4926.3	5045.9	4971.4
17.5°	3820.9	3822.5	3870.6	3993.2	4165.6	4369.0	4566.1	4632.9	4859.6	5004.0	4892.2
20°	3726.2	3721.5	3755.7	3862.8	4025.8	4229.2	4462.1	4544.4	4822.3	4997.8	4831.6
22.5°	3727.7	3716.9	3730.9	3806.9	3945.1	4136.1	4396.9	4490.1	4825.4	5024.2	4780.4
25°	3816.2	3800.7	3803.8	3844.2	3942.0	4115.9	4406.2	4505.6	4887.5	5112.6	4761.8
27.5°	3965.3	3948.2	3948.2	3968.4	4021.2	4179.5	4522.7	4636.0	5053.7	5285.0	4800.6
30°	4157.8	4140.7	4134.5	4154.7	4198.2	4344.1	4781.9	4899.9	5337.8	5567.6	4924.8
32.5°	4378.3	4358.1	4369.0	4396.9	4438.8	4640.7	5115.8	5272.6	5693.3	5947.9	5148.4
35°	4611.2	4594.1	4643.8	4704.3	4769.5	5052.1	5576.9	5713.5	6129.6	6421.5	5489.9
37.5°	4833.2	4825.4	4929.4	5056.8	5191.8	5545.8	6045.8	6151.3	6503.8	6936.9	5907.6
40°	5055.2	5053.7	5232.2	5455.8	5671.6	6038.0	6401.3	6488.2	6732.0	7337.5	6308.1
42.5°	5303.6	5303.6	5550.5	5848.6	6135.8	6454.1	6662.1	6700.9	6834.5	7568.8	6609.3
45°	5541.2	5555.1	5840.8	6187.0	6527.1	6778.6	6842.2	6845.3	6876.4	7705.5	6859.3
47.5°	5729.0	5741.4	6083.0	6482.0	6848.4	7025.4	7034.7	7020.8	6986.6	7835.9	7051.8
50°	5881.2	5899.8	6256.9	6679.2	7068.9	7263.0	7334.4	7320.4	7233.5	7975.6	7186.9
52.5°	5955.7	5982.1	6317.5	6777.0	7314.2	7669.8	7868.5	7901.1	7603.0	8053.2	7315.8
55°	5359.5	5398.3	5707.3	6336.1	7450.8	8298.5	8610.6	8604.4	8003.6	8284.6	7629.4
57.5°	4047.6	4044.5	4300.6	4988.4	6364.0	8334.3	9067.1	9054.7	8377.7	8553.2	7950.8
60°	2755.8	2737.2	2805.5	3137.8	4449.7	6789.4	8252.0	8419.6	8112.2	7901.1	6750.6
62.5°	2268.3	2251.2	2229.5	2137.9	2555.5	4229.2	5701.1	5955.7	5915.3	5491.5	4233.9
65°	1856.9	1870.9	1931.4	1892.6	1777.7	2169.0	2959.2	3109.8	2842.8	2392.5	1479.6
67.5°	1369.4	1375.6	1454.8	1659.7	1597.6	1443.9	1392.7	1417.5	830.6	381.9	246.9
70°	808.9	813.6	886.5	1161.3	1296.4	1108.5	940.9	926.9	329.1	102.5	111.8
72.5°	458.0	448.7	462.7	552.7	706.4	588.4	484.4	440.9	99.4	57.4	57.4
75°	217.4	211.2	181.7	170.8	155.3	99.4	62.1	52.8	24.8	23.3	23.3
77.5°	1.6	4.7	3.1	4.7	4.7	3.1	1.6	1.6	4.7	4.7	6.2
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°	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7	5556.7
2.5°	5521.0	5474.4	5463.5	5460.4	5417.0	5370.4	5322.2	5303.6	5275.7	5258.6	5272.6
5°	5417.0	5350.2	5291.2	5236.9	5140.6	5035.0	4943.4	4884.4	4828.5	4791.3	4800.6
7.5°	5269.5	5182.5	5047.4	4909.3	4732.3	4573.9	4396.9	4288.2	4187.3	4131.4	4157.8
10°	5112.6	4997.8	4781.9	4547.5	4269.6	4021.2	3768.1	3561.6	3442.1	3328.7	3341.2
12.5°	4958.9	4806.8	4483.9	4128.3	3777.4	3411.0	3029.1	2743.4	2547.8	2406.5	2384.8
15°	4816.1	4620.5	4193.5	3724.6	3246.4	2758.9	2271.4	1863.1	1636.4	1496.7	1487.4
17.5°	4688.8	4446.6	3892.3	3302.3	2703.0	2078.9	1518.4	1212.6	1082.1	1021.6	1015.4
20°	4566.1	4271.2	3584.9	2873.8	2110.0	1459.4	1048.0	906.7	864.8	839.9	843.1
22.5°	4448.1	4080.2	3262.0	2398.7	1582.1	1024.7	812.0	757.7	753.0	756.1	757.7
25°	4348.8	3904.7	2929.7	1940.7	1128.7	780.9	678.5	663.0	676.9	697.1	700.2
27.5°	4297.5	3761.9	2605.2	1479.6	816.7	635.0	588.4	594.6	619.5	641.2	644.3
30°	4311.5	3654.8	2269.9	1072.8	628.8	535.6	520.1	532.5	557.4	577.6	580.7
32.5°	4410.9	3600.4	1926.8	780.9	517.0	467.3	461.1	470.4	492.2	507.7	509.2
35°	4608.1	3612.9	1600.7	597.7	444.0	416.1	414.5	420.7	431.6	442.5	444.0
37.5°	4898.4	3713.8	1279.3	496.8	402.1	381.9	375.7	375.7	383.5	388.1	391.3
40°	5210.5	3865.9	1024.7	439.4	372.6	350.9	338.5	333.8	340.0	346.2	347.8
42.5°	5468.2	4018.1	832.2	399.0	349.3	319.8	304.3	301.2	309.0	319.8	322.9
45°	5665.4	4136.1	694.0	366.4	322.9	290.3	273.3	273.3	287.2	305.9	309.0
47.5°	5845.5	4230.8	591.5	336.9	298.1	263.9	246.9	250.0	273.3	298.1	302.8
50°	5968.1	4306.9	515.5	310.5	277.9	242.2	226.7	232.9	260.8	290.3	295.0
52.5°	6100.1	4400.0	465.8	287.2	259.3	225.1	211.2	215.8	246.9	279.5	285.7
55°	6464.9	4712.1	464.2	256.2	226.7	201.8	195.6	197.2	228.2	265.5	273.3
57.5°	6763.0	4986.9	495.3	215.8	189.4	177.0	173.9	175.4	203.4	245.3	254.6
60°	5595.5	3875.2	409.9	178.5	158.4	155.3	150.6	153.7	180.1	217.4	225.1
62.5°	3311.7	2215.5	195.6	136.6	135.1	132.0	127.3	133.5	158.4	191.0	195.6
65°	1131.8	656.7	124.2	111.8	114.9	110.2	105.6	111.8	133.5	152.2	153.7
67.5°	217.4	173.9	99.4	93.2	94.7	85.4	83.8	90.0	102.5	105.6	104.0
70°	113.3	100.9	76.1	76.1	73.0	60.6	60.6	66.8	66.8	62.1	60.6
72.5°	59.0	55.9	49.7	55.9	46.6	37.3	37.3	40.4	37.3	31.1	31.1
75°	23.3	23.3	21.7	27.9	20.2	17.1	15.5	18.6	14.0	10.9	10.9
77.5°	6.2	6.2	6.2	7.8	4.7	4.7	3.1	3.1	1.6	0.0	0.0
80°	0.0	1.6	0.0	1.6	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)