

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: P639793

Luminaire Tested: GWS-SA5C-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639793  
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-SA5C-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**

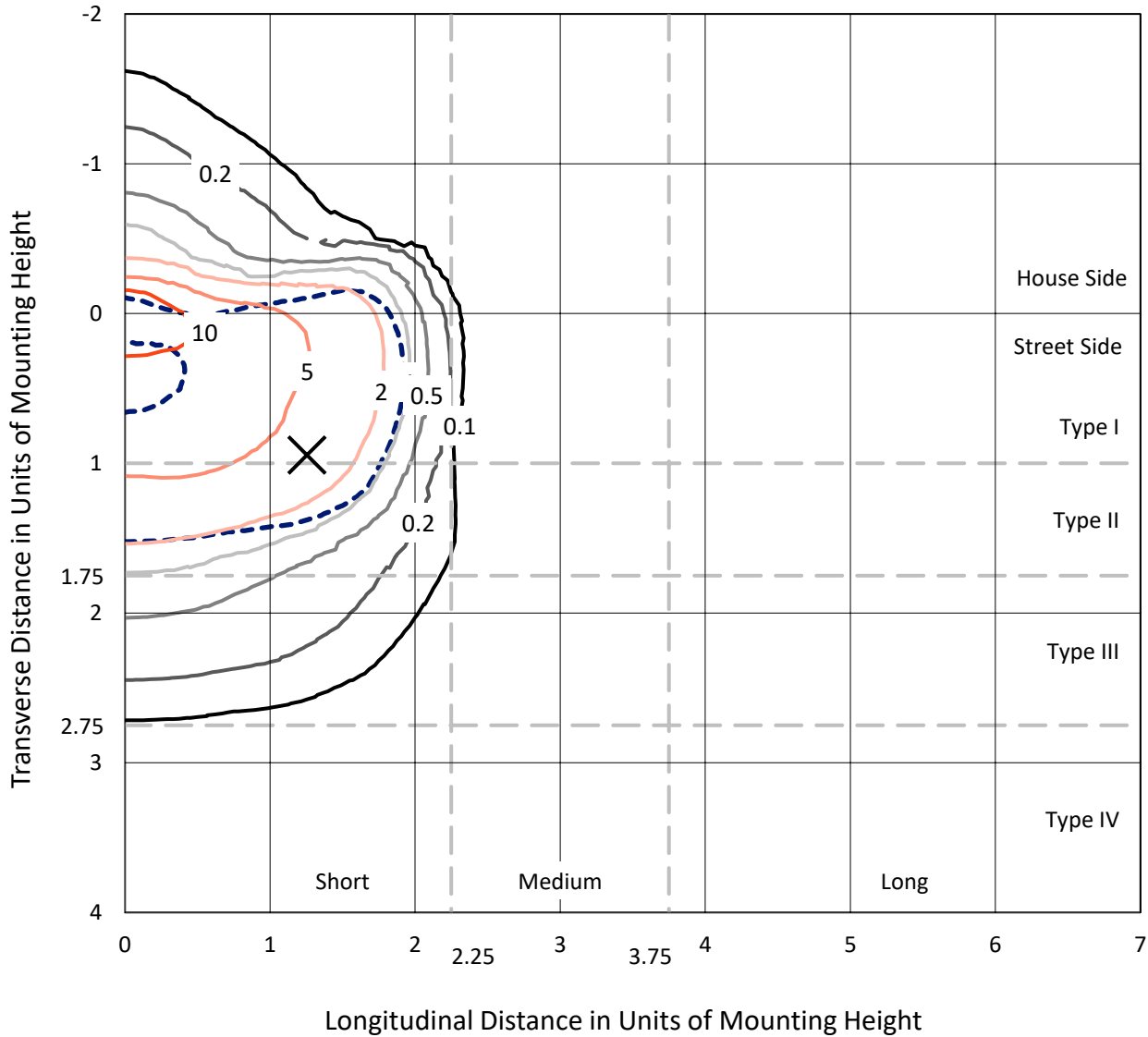
Lumens per Lamp: N/A  
Luminaire Lumens: 14247 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

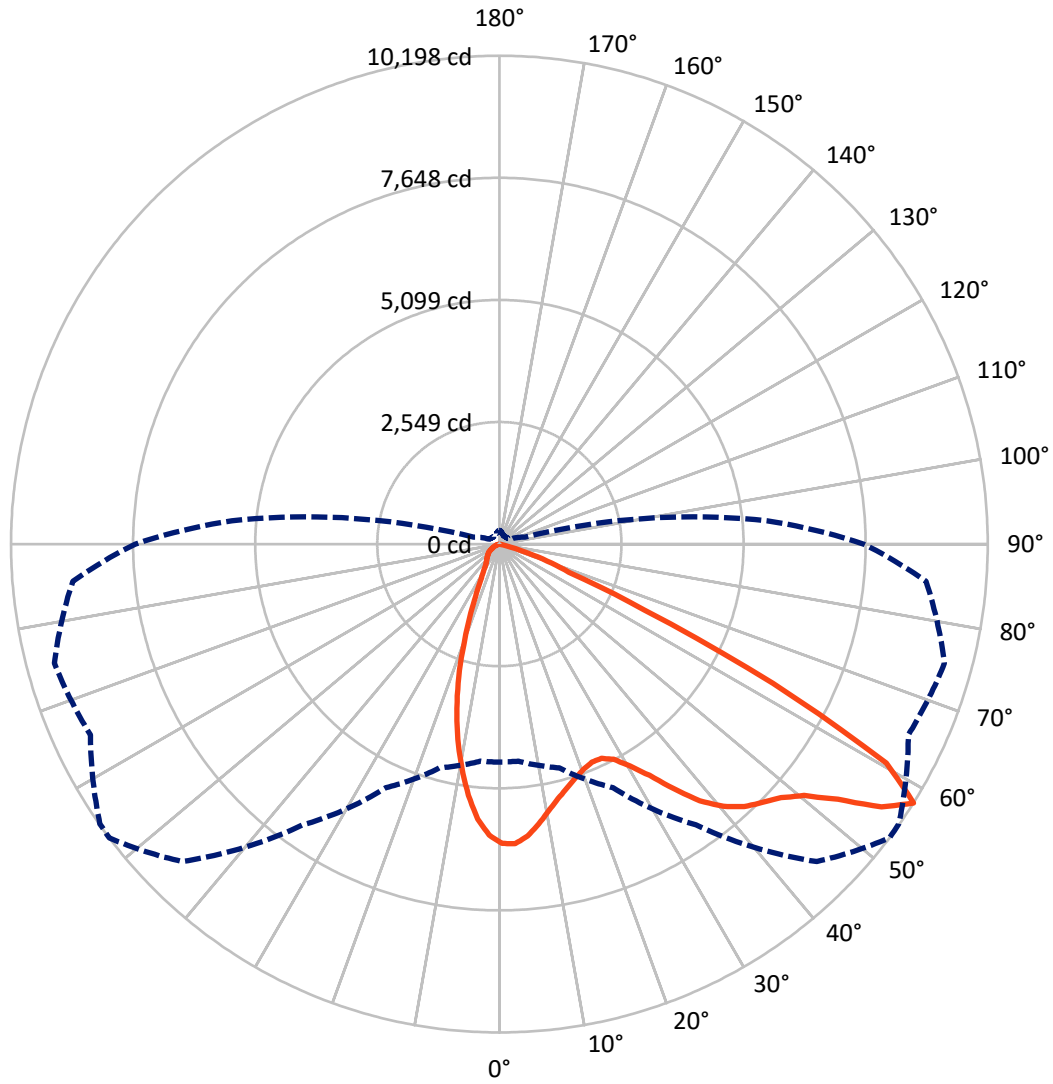
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 15.6 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
<b>House Side</b>	Lumens	2353.4	0.0	2353.4
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	11893.6	0.0	11893.6
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	14247.0	0.0	14247.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	534.7	3.8
10°-20°	1173.9	8.2
20°-30°	1529.2	10.7
30°-40°	2218.2	15.6
40°-50°	3200.7	22.5
50°-60°	3870.9	27.2
60°-70°	1577.6	11.1
70°-80°	141.8	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°	14247.0	100.0
0°-180°	14247.0	100.0

**Coefficient of Utilization**



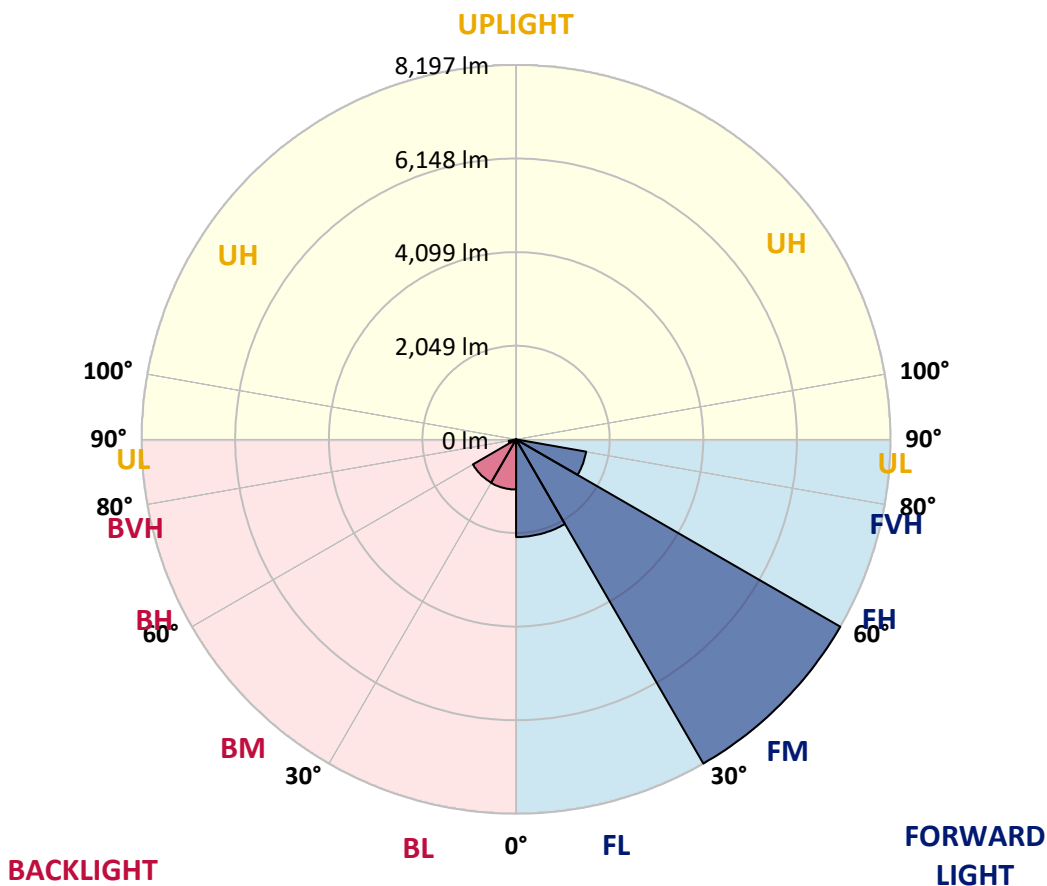
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2139.4	15.0			
FM (30°-60°)	8197.4	57.5			
FH (60°-80°)	1556.7	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1098.4	7.7	B3/2500		
BM (30°-60°)	1092.3	7.7	B2/2500		
BH (60°-80°)	162.7	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: 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°	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5
2.5°	6162.2	6176.2	6200.7	6232.1	6253.0	6263.5	6263.5	6293.2	6274.0	6258.3	6240.8
5°	5898.6	5912.5	5945.7	5996.4	6047.0	6083.7	6125.6	6157.0	6169.2	6169.2	6139.5
7.5°	5526.6	5545.8	5566.8	5636.6	5746.6	5828.7	5900.3	5945.7	6012.1	6033.0	5991.1
10°	5126.8	5146.0	5193.1	5289.2	5414.9	5537.1	5659.3	5717.0	5830.5	5889.8	5842.7
12.5°	4788.0	4796.7	4859.6	4974.8	5135.5	5303.1	5451.5	5510.9	5671.6	5760.6	5704.7
15°	4508.6	4513.9	4576.7	4704.2	4889.3	5095.3	5282.2	5343.3	5540.6	5675.1	5591.2
17.5°	4297.3	4299.1	4353.2	4491.2	4685.0	4913.7	5135.5	5210.6	5465.5	5627.9	5502.2
20°	4190.8	4185.6	4224.0	4344.5	4527.8	4756.6	5018.5	5111.0	5423.6	5620.9	5434.1
22.5°	4192.6	4180.3	4196.0	4281.6	4437.0	4651.8	4945.2	5049.9	5427.1	5650.6	5376.5
25°	4292.1	4274.6	4278.1	4323.5	4433.5	4629.1	4955.6	5067.4	5496.9	5750.1	5355.5
27.5°	4459.7	4440.5	4440.5	4463.2	4522.6	4700.7	5086.6	5214.1	5683.8	5944.0	5399.2
30°	4676.2	4657.0	4650.1	4672.8	4721.6	4885.8	5378.2	5510.9	6003.3	6261.8	5538.9
32.5°	4924.2	4901.5	4913.7	4945.2	4992.3	5219.3	5753.6	5930.0	6403.2	6689.6	5790.3
35°	5186.1	5166.9	5222.8	5290.9	5364.2	5682.0	6272.2	6425.9	6893.9	7222.2	6174.5
37.5°	5435.8	5427.1	5544.1	5687.3	5839.2	6237.3	6799.6	6918.3	7314.7	7801.9	6644.2
40°	5685.5	5683.8	5884.6	6136.0	6378.8	6790.9	7199.5	7297.2	7571.4	8252.4	7094.7
42.5°	5964.9	5964.9	6242.6	6577.8	6900.9	7258.8	7492.8	7536.5	7686.6	8512.6	7433.5
45°	6232.1	6247.8	6569.1	6958.5	7340.9	7623.8	7695.4	7698.9	7733.8	8666.2	7714.6
47.5°	6443.4	6457.3	6841.5	7290.3	7702.4	7901.4	7911.9	7896.2	7857.8	8812.9	7931.1
50°	6614.5	6635.5	7037.1	7512.0	7950.3	8168.6	8248.9	8233.2	8135.4	8970.1	8083.0
52.5°	6698.3	6728.0	7105.2	7622.0	8226.2	8626.1	8849.6	8886.3	8551.0	9057.4	8228.0
55°	6027.8	6071.4	6418.9	7126.1	8379.9	9333.3	9684.3	9677.3	9001.5	9317.6	8580.7
57.5°	4552.3	4548.8	4836.9	5610.4	7157.6	9373.4	10197.6	10183.7	9422.3	9619.7	8942.1
60°	3099.5	3078.5	3155.3	3529.0	5004.5	7636.0	9280.9	9469.5	9123.7	8886.3	7592.4
62.5°	2551.2	2531.9	2507.5	2404.5	2874.2	4756.6	6411.9	6698.3	6652.9	6176.2	4761.8
65°	2088.4	2104.1	2172.2	2128.6	1999.4	2439.4	3328.2	3497.6	3197.2	2690.8	1664.1
67.5°	1540.1	1547.1	1636.2	1866.7	1796.8	1623.9	1566.3	1594.3	934.2	429.6	277.6
70°	909.8	915.0	997.1	1306.1	1458.1	1246.8	1058.2	1042.5	370.2	115.2	125.7
72.5°	515.1	504.6	520.4	621.6	794.5	661.8	544.8	495.9	111.8	64.6	64.6
75°	244.5	237.5	204.3	192.1	174.6	111.8	69.8	59.4	27.9	26.2	26.2
77.5°	1.7	5.2	3.5	5.2	5.2	3.5	1.7	1.7	5.2	5.2	7.0
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°	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5	6249.5
2.5°	6209.4	6157.0	6144.8	6141.3	6092.4	6040.0	5985.9	5964.9	5933.5	5914.3	5930.0
5°	6092.4	6017.3	5951.0	5889.8	5781.6	5662.8	5559.8	5493.5	5430.6	5388.7	5399.2
7.5°	5926.5	5828.7	5676.8	5521.4	5322.3	5144.2	4945.2	4822.9	4709.4	4646.6	4676.2
10°	5750.1	5620.9	5378.2	5114.5	4802.0	4522.6	4238.0	4005.7	3871.3	3743.8	3757.8
12.5°	5577.3	5406.1	5042.9	4643.1	4248.4	3836.3	3406.8	3085.5	2865.5	2706.6	2682.1
15°	5416.6	5196.6	4716.4	4189.1	3651.2	3102.9	2554.6	2095.4	1840.5	1683.3	1672.8
17.5°	5273.4	5001.0	4377.7	3714.1	3040.1	2338.1	1707.8	1363.8	1217.1	1149.0	1142.0
20°	5135.5	4803.7	4031.9	3232.2	2373.0	1641.4	1178.7	1019.8	972.6	944.7	948.2
22.5°	5002.8	4588.9	3668.7	2697.8	1779.3	1152.5	913.2	852.1	846.9	850.4	852.1
25°	4891.0	4391.6	3295.0	2182.7	1269.5	878.3	763.1	745.6	761.3	784.0	787.5
27.5°	4833.4	4231.0	2930.1	1664.1	918.5	714.2	661.8	668.8	696.7	721.2	724.7
30°	4849.1	4110.5	2552.9	1206.6	707.2	602.4	585.0	598.9	626.9	649.6	653.1
32.5°	4960.9	4049.4	2167.0	878.3	581.5	525.6	518.6	529.1	553.5	571.0	572.7
35°	5182.6	4063.3	1800.3	672.3	499.4	468.0	466.2	473.2	485.4	497.7	499.4
37.5°	5509.2	4176.8	1438.8	558.8	452.3	429.6	422.6	422.6	431.3	436.5	440.0
40°	5860.2	4348.0	1152.5	494.2	419.1	394.6	380.7	375.4	382.4	389.4	391.1
42.5°	6150.0	4519.1	935.9	448.8	392.9	359.7	342.2	338.8	347.5	359.7	363.2
45°	6371.8	4651.8	780.5	412.1	363.2	326.5	307.3	307.3	323.0	344.0	347.5
47.5°	6574.3	4758.3	665.3	378.9	335.3	296.8	277.6	281.1	307.3	335.3	340.5
50°	6712.3	4843.9	579.7	349.2	312.6	272.4	254.9	261.9	293.4	326.5	331.8
52.5°	6860.7	4948.6	523.9	323.0	291.6	253.2	237.5	242.7	277.6	314.3	321.3
55°	7271.1	5299.6	522.1	288.1	254.9	227.0	220.0	221.8	256.7	298.6	307.3
57.5°	7606.3	5608.7	557.0	242.7	213.0	199.1	195.6	197.3	228.7	275.9	286.4
60°	6293.2	4358.4	461.0	200.8	178.1	174.6	169.4	172.9	202.6	244.5	253.2
62.5°	3724.6	2491.8	220.0	153.7	151.9	148.4	143.2	150.2	178.1	214.8	220.0
65°	1273.0	738.6	139.7	125.7	129.2	124.0	118.7	125.7	150.2	171.1	172.9
67.5°	244.5	195.6	111.8	104.8	106.5	96.0	94.3	101.3	115.2	118.7	117.0
70°	127.5	113.5	85.6	85.6	82.1	68.1	68.1	75.1	75.1	69.8	68.1
72.5°	66.4	62.9	55.9	62.9	52.4	41.9	41.9	45.4	41.9	34.9	34.9
75°	26.2	26.2	24.4	31.4	22.7	19.2	17.5	21.0	15.7	12.2	12.2
77.5°	7.0	7.0	7.0	8.7	5.2	5.2	3.5	3.5	1.7	0.0	0.0
80°	0.0	1.7	0.0	1.7	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)