

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: P643251

Luminaire Tested: GWS-SA6E-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 29677.8 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

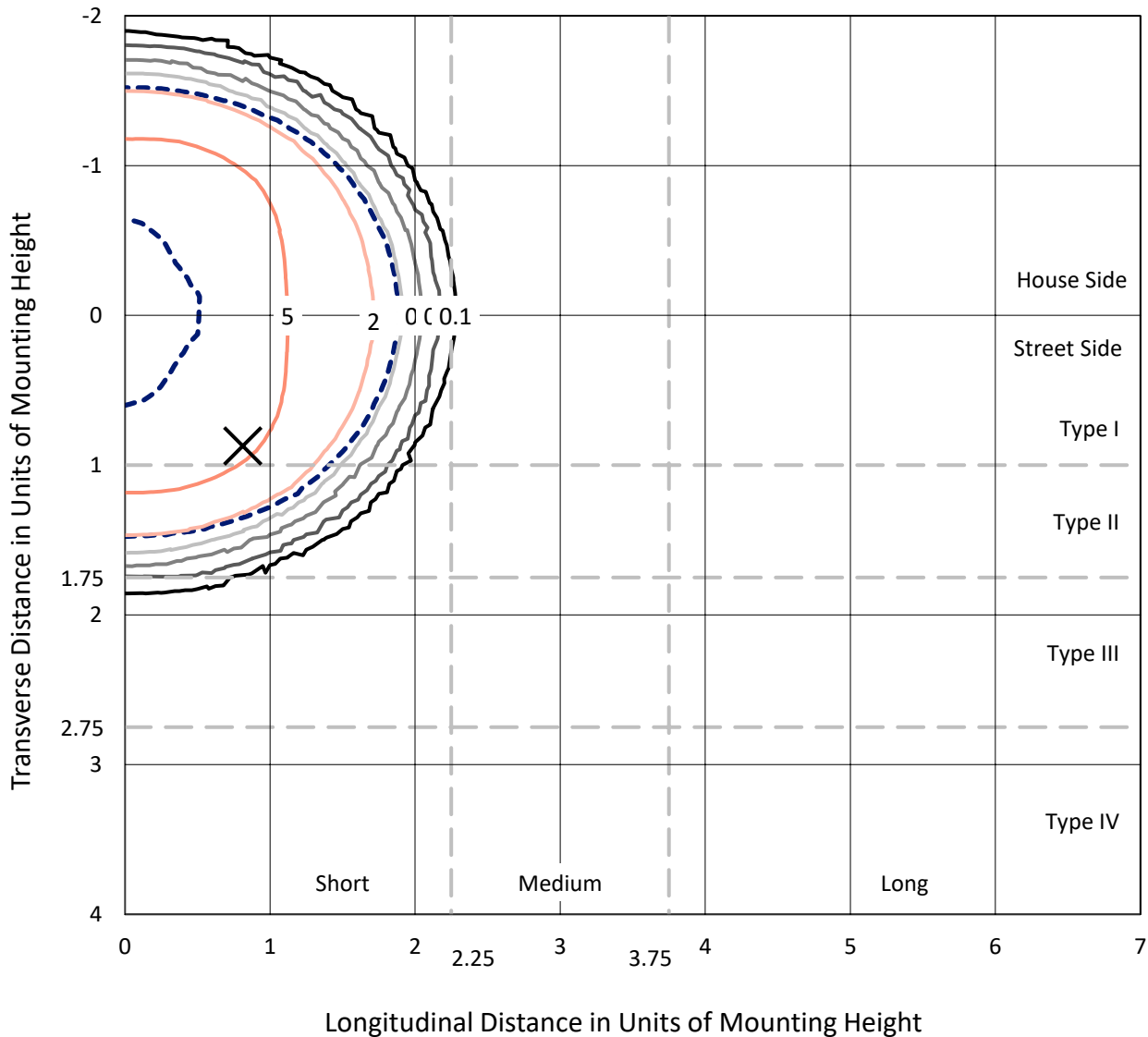
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

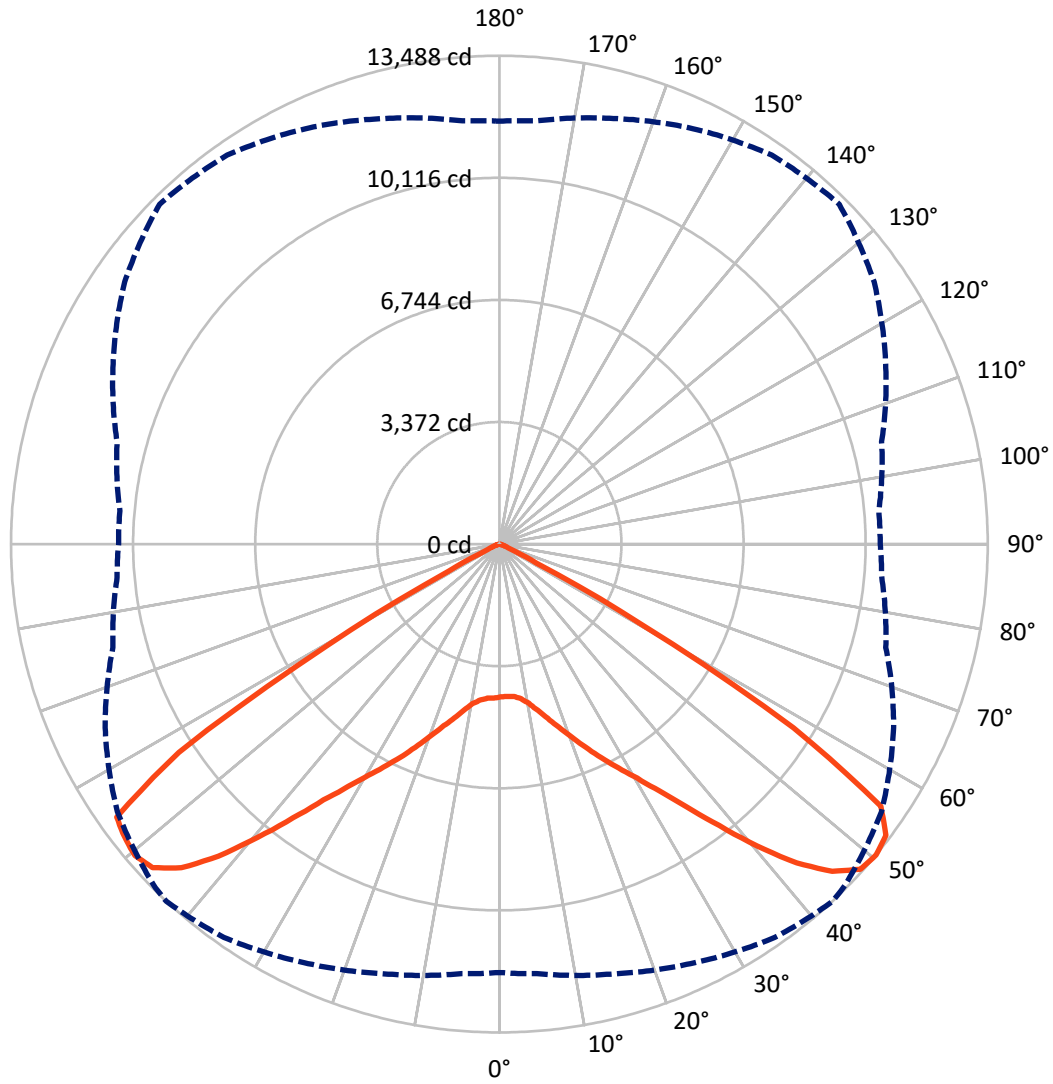
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14838.5	0.0	14838.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14839.3	0.0	14839.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	29677.8	0.0	29677.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.7	1.4
10°-20°	1430.5	4.8
20°-30°	2894.2	9.8
30°-40°	5369.7	18.1
40°-50°	8913.4	30.0
50°-60°	9096.5	30.7
60°-70°	1491.7	5.0
70°-80°	65.3	0.2
80°-90°	0.9	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°	29677.8	100.0
0°-180°	29677.8	100.0

Coefficient of Utilization



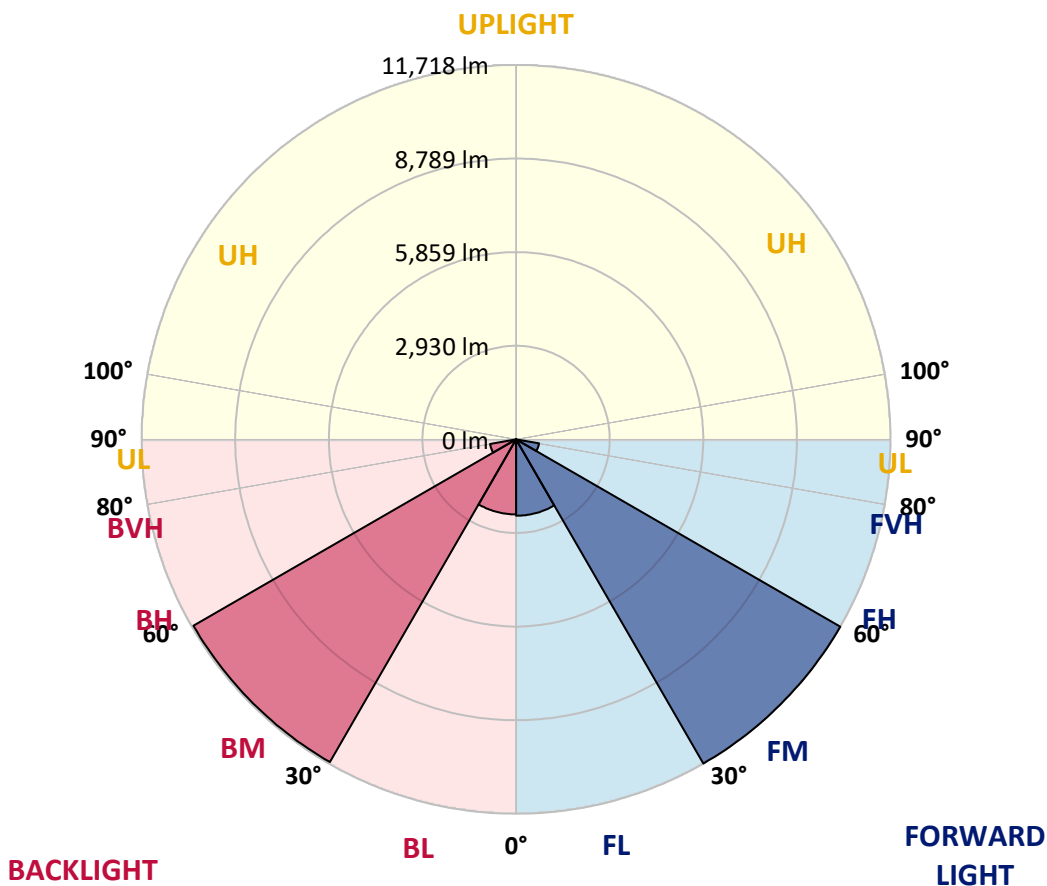
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2391.0	8.1			
FM (30°-60°)	11718.2	39.5			
FH (60°-80°)	729.8	2.5			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	2349.4	7.9	B3/2500		
BM (30°-60°)	11661.3	39.3	B5		
BH (60°-80°)	827.3	2.8	B2/1000		G1/1800
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4142.4	4152.3	4165.4	4178.5	4194.9	4211.4	4221.2	4250.7	4244.2	4270.4	4270.4
5°	4096.5	4106.3	4122.7	4152.3	4188.4	4224.5	4250.7	4309.8	4342.6	4395.2	4414.9
7.5°	4119.4	4132.6	4152.3	4198.2	4254.0	4309.8	4339.4	4434.6	4500.2	4598.7	4654.5
10°	4194.9	4208.1	4240.9	4319.7	4391.9	4470.7	4506.8	4628.2	4733.3	4867.8	4946.6
12.5°	4280.3	4296.7	4362.3	4480.5	4605.2	4710.3	4759.5	4894.1	5002.4	5153.4	5278.1
15°	4368.9	4395.2	4496.9	4670.9	4848.1	4989.3	5041.8	5186.2	5294.6	5455.4	5596.5
17.5°	4575.7	4605.2	4720.1	4907.2	5150.1	5314.2	5360.2	5511.2	5593.3	5701.6	5849.3
20°	4835.0	4890.8	5032.0	5258.4	5524.3	5681.9	5714.7	5862.4	5855.8	5901.8	6029.8
22.5°	5156.7	5196.1	5350.4	5619.5	5918.2	6092.2	6167.7	6230.0	6148.0	6108.6	6190.7
25°	5491.5	5537.4	5704.9	6000.3	6335.1	6535.3	6597.7	6646.9	6515.6	6367.9	6377.8
27.5°	5924.8	5957.6	6121.7	6436.8	6771.6	6998.1	7053.9	7139.3	6965.3	6729.0	6663.3
30°	6440.1	6472.9	6646.9	6978.4	7310.0	7503.6	7589.0	7694.0	7503.6	7208.2	7132.7
32.5°	7044.1	7076.9	7300.1	7641.5	7913.9	8124.0	8206.1	8317.7	8166.7	7835.1	7749.8
35°	7766.2	7785.9	8048.5	8419.4	8708.3	8911.8	8967.6	9098.9	8931.5	8600.0	8554.0
37.5°	8603.2	8626.2	8911.8	9341.8	9637.2	9863.7	9952.3	9988.4	9784.9	9414.0	9377.9
40°	9522.3	9597.8	9876.8	10339.6	10671.2	10956.7	11035.5	10914.1	10628.5	10123.0	10057.3
42.5°	10480.8	10546.4	10858.3	11360.5	11744.5	12036.6	12039.9	11777.3	11291.5	10592.4	10493.9
45°	11278.4	11304.7	11708.4	12213.9	12686.6	12893.4	12913.1	12437.1	11705.1	10864.8	10654.7
47.5°	11826.6	11869.2	12220.5	12706.3	13228.2	13415.3	13375.9	12781.8	11902.1	11042.1	10694.1
50°	11833.1	11905.4	12286.1	12755.5	13261.0	13487.5	13431.7	12880.2	12013.7	11048.6	10598.9
52.5°	10786.0	10904.2	11524.6	12204.1	12978.7	13366.0	13379.2	13008.2	11971.0	10943.6	10513.6
55°	8137.1	8265.1	9046.4	10205.1	11701.8	12781.8	12968.9	12857.3	11921.8	10989.6	10664.6
57.5°	4306.5	4208.1	4641.3	5790.2	7671.0	9581.4	10129.6	11022.4	11373.6	11045.4	10943.6
60°	938.8	1001.1	1332.7	1795.5	2993.6	4506.8	5041.8	6571.4	8389.9	9197.4	9781.6
62.5°	403.7	397.2	413.6	469.4	686.0	1142.3	1395.0	2278.0	3594.3	4936.8	5846.0
65°	331.5	334.8	347.9	347.9	325.0	328.2	344.7	521.9	840.3	1178.4	1582.1
67.5°	249.5	252.7	275.7	282.3	265.9	236.3	233.1	196.9	206.8	259.3	269.2
70°	157.6	157.6	170.7	177.3	177.3	164.1	160.8	141.1	137.9	157.6	177.3
72.5°	85.3	85.3	91.9	95.2	91.9	88.6	88.6	85.3	82.1	95.2	121.4
75°	36.1	36.1	39.4	39.4	36.1	36.1	36.1	36.1	36.1	42.7	65.6
77.5°	6.6	9.8	13.1	9.8	6.6	6.6	6.6	9.8	9.8	13.1	19.7
80°	3.3	3.3	6.6	3.3	0.0	0.0	0.0	0.0	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4293.4	4257.3	4270.4	4277.0	4267.2	4260.6	4224.5	4214.6	4198.2	4172.0	4165.4
5°	4437.8	4408.3	4405.0	4385.3	4339.4	4283.6	4214.6	4185.1	4152.3	4119.4	4112.9
7.5°	4680.7	4644.6	4621.7	4556.0	4451.0	4362.3	4247.5	4185.1	4142.4	4099.7	4089.9
10°	4992.6	4949.9	4884.2	4762.8	4621.7	4493.6	4359.1	4277.0	4211.4	4152.3	4149.0
12.5°	5324.1	5278.1	5160.0	5005.7	4835.0	4716.8	4546.2	4431.3	4332.8	4244.2	4234.3
15°	5672.0	5616.2	5455.4	5271.6	5114.0	4992.6	4805.5	4621.7	4470.7	4342.6	4329.5
17.5°	5937.9	5869.0	5678.6	5540.7	5412.7	5288.0	5077.9	4835.0	4634.8	4480.5	4444.4
20°	6105.3	6039.7	5859.1	5783.6	5724.5	5635.9	5386.5	5133.7	4910.5	4720.1	4687.3
22.5°	6266.1	6187.4	6029.8	6029.8	6075.8	6039.7	5770.5	5481.6	5219.1	4999.1	4949.9
25°	6446.7	6384.3	6272.7	6364.6	6479.5	6476.2	6200.5	5839.4	5537.4	5291.3	5242.0
27.5°	6709.3	6646.9	6607.5	6781.5	6925.9	6916.1	6614.1	6223.5	5905.1	5662.2	5616.2
30°	7172.1	7113.0	7070.3	7280.4	7464.2	7395.3	7063.8	6686.3	6364.6	6088.9	6056.1
32.5°	7789.2	7726.8	7671.0	7881.1	8045.2	7956.6	7641.5	7287.0	6916.1	6646.9	6581.3
35°	8600.0	8468.7	8412.9	8662.3	8731.2	8632.8	8330.8	8019.0	7625.1	7316.5	7273.9
37.5°	9437.0	9282.7	9243.3	9459.9	9571.5	9535.4	9180.9	8856.0	8429.3	8087.9	8038.7
40°	10152.5	10011.4	9942.5	10280.6	10533.3	10556.3	10237.9	9840.7	9338.5	8984.0	8895.4
42.5°	10572.7	10451.2	10434.8	10960.0	11373.6	11669.0	11288.3	10878.0	10349.5	9949.0	9876.8
45°	10667.9	10589.1	10727.0	11416.3	12059.6	12597.9	12273.0	11839.7	11268.6	10845.1	10776.2
47.5°	10658.0	10631.8	10878.0	11652.6	12466.6	13129.7	12968.9	12479.8	11928.3	11485.2	11419.6
50°	10516.9	10520.2	10930.5	11770.8	12630.8	13274.1	13113.3	12660.3	12167.9	11731.4	11678.9
52.5°	10461.1	10441.4	10832.0	11734.7	12798.2	13208.5	12847.4	12338.6	11790.5	11252.2	11173.4
55°	10658.0	10608.8	10845.1	11705.1	12817.9	13172.4	12220.5	11117.6	9995.0	9358.2	9305.7
57.5°	10953.4	10900.9	11012.5	11488.5	11790.5	10953.4	8993.8	7214.8	6059.4	5570.3	5356.9
60°	9781.6	9745.5	9660.2	9085.8	7792.5	5878.8	4004.6	2553.7	1834.9	1483.7	1483.7
62.5°	6069.2	6020.0	5557.1	4129.3	3000.1	1736.4	955.2	597.4	453.0	423.4	420.2
65°	1703.6	1693.7	1401.6	991.3	630.2	390.6	344.7	351.2	344.7	334.8	331.5
67.5°	256.0	282.3	282.3	229.8	219.9	246.2	288.9	308.5	292.1	275.7	269.2
70°	164.1	177.3	170.7	147.7	157.6	183.8	206.8	210.1	200.2	183.8	180.5
72.5°	114.9	128.0	105.0	95.2	98.5	108.3	118.2	118.2	114.9	108.3	101.8
75°	68.9	68.9	49.2	46.0	46.0	49.2	49.2	55.8	55.8	52.5	49.2
77.5°	23.0	26.3	16.4	13.1	13.1	13.1	16.4	19.7	19.7	16.4	13.1
80°	3.3	6.6	3.3	3.3	3.3	3.3	3.3	3.3	6.6	6.6	3.3
82.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
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)