

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: P641718

Luminaire Tested: GWS-SA6B-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641718
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12383.7 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

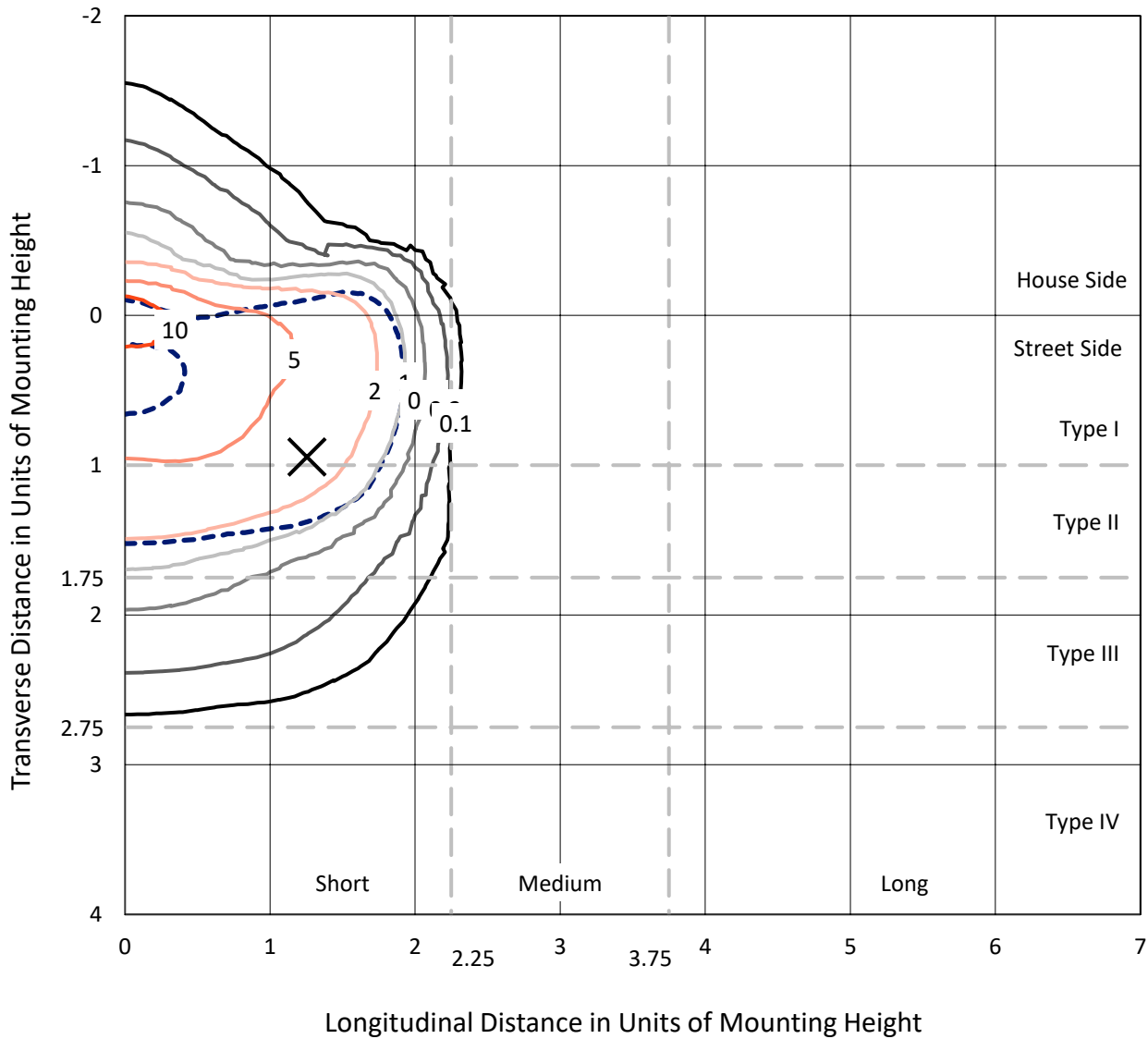
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641718
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Iso-Footcandle Lines of Horizontal Illumination

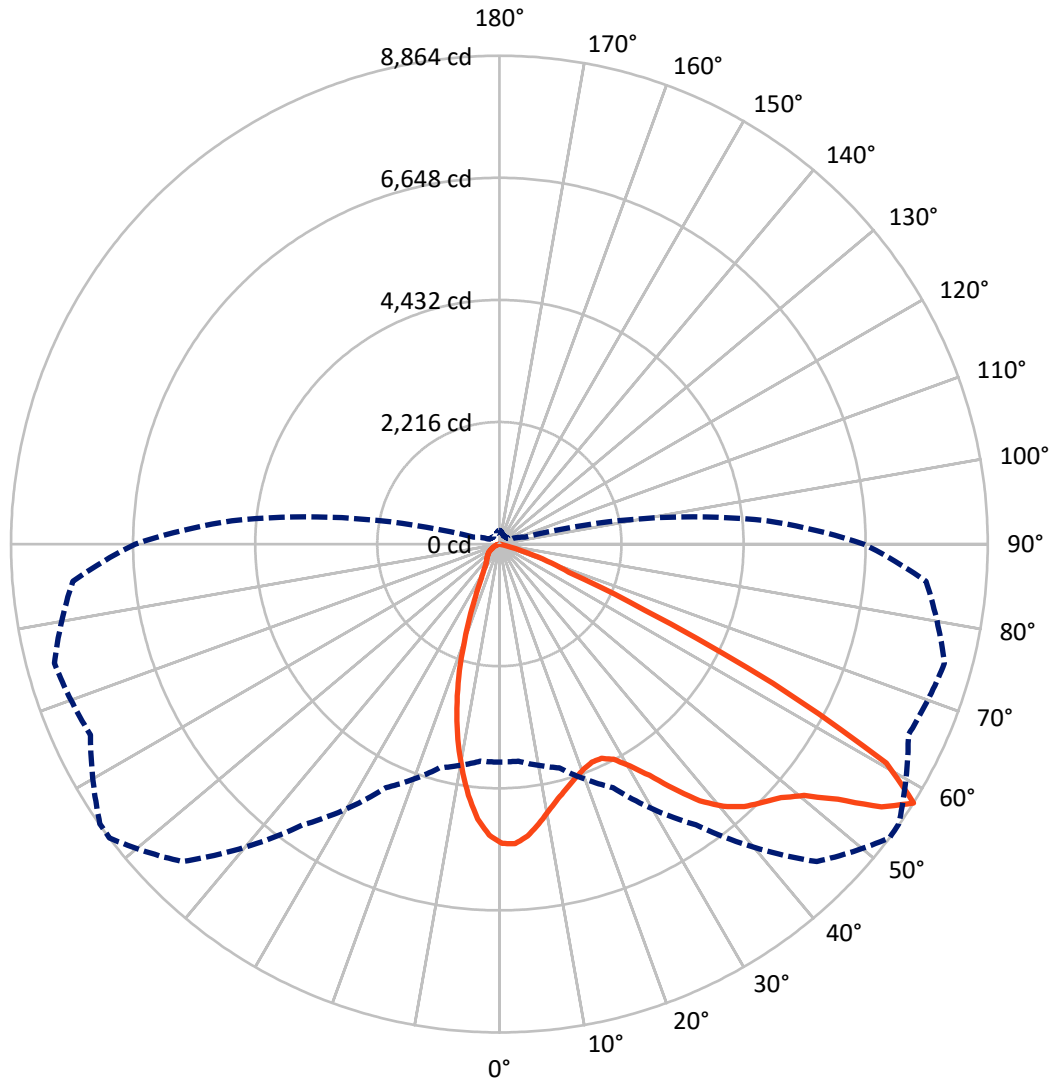
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.6 fc
 Type II - Short - N/A

REPORT NUMBER: P641718
CATALOG NUMBER: GWS-SA6B-740-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P641718

CATALOG NUMBER: GWS-SA6B-740-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2045.6	0.0	2045.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	10338.1	0.0	10338.1
	% Fixture	83.5	0.0	83.5
Total	Lumens	12383.7	0.0	12383.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.8	3.8
10°-20°	1020.3	8.2
20°-30°	1329.2	10.7
30°-40°	1928.1	15.6
40°-50°	2782.1	22.5
50°-60°	3364.7	27.2
60°-70°	1371.3	11.1
70°-80°	123.2	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°	12383.7	100.0
0°-180°	12383.7	100.0

Coefficient of Utilization



REPORT NUMBER: P641718

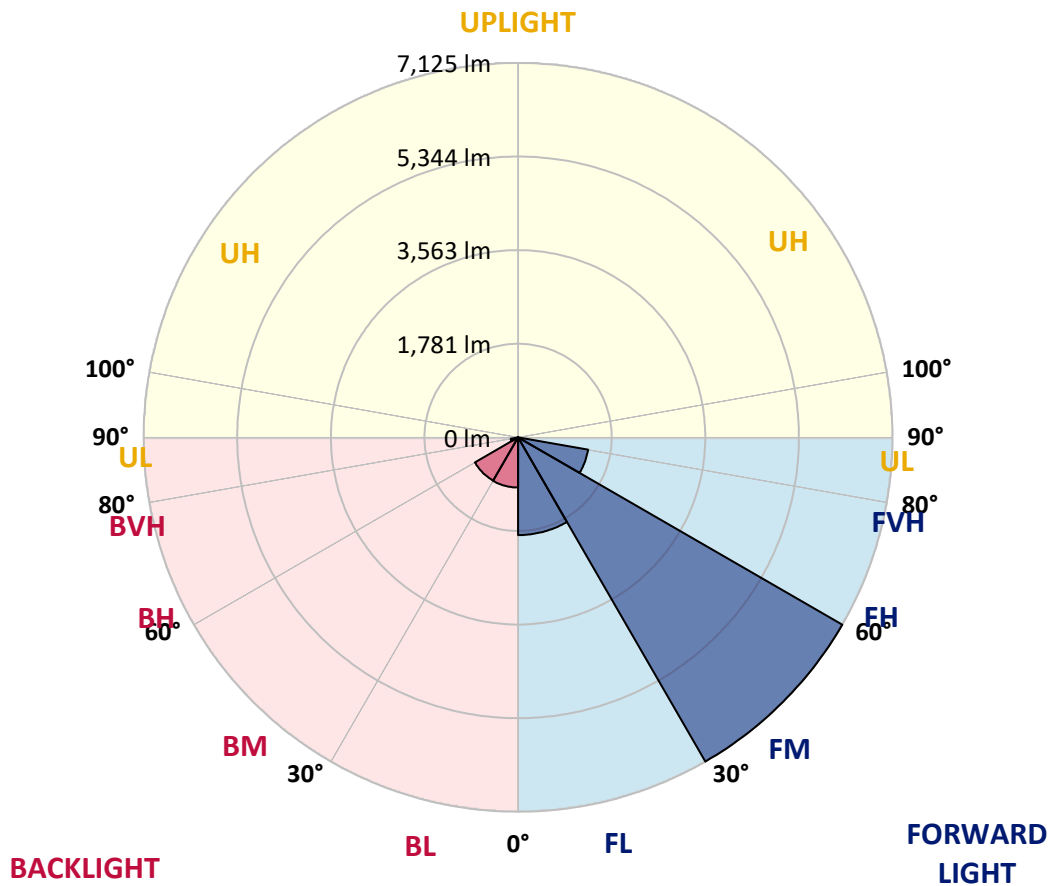
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1859.6	15.0			
FM (30°-60°)	7125.3	57.5			
FH (60°-80°)	1353.1	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	954.7	7.7	B2/1000		
BM (30°-60°)	949.5	7.7	B1/1000		
BH (60°-80°)	141.4	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





REPORT NUMBER: P641718

CATALOG NUMBER: GWS-SA6B-740-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2
2.5°	5356.3	5368.4	5389.7	5417.0	5435.2	5444.3	5444.3	5470.1	5453.4	5439.8	5424.6
5°	5127.1	5139.3	5168.1	5212.1	5256.1	5288.0	5324.4	5351.8	5362.4	5362.4	5336.6
7.5°	4803.8	4820.5	4838.7	4899.4	4995.1	5066.4	5128.6	5168.1	5225.8	5244.0	5207.6
10°	4456.3	4472.9	4513.9	4597.4	4706.7	4812.9	4919.2	4969.3	5067.9	5119.5	5078.6
12.5°	4161.8	4169.4	4224.0	4324.2	4463.8	4609.6	4738.6	4790.2	4929.8	5007.2	4958.6
15°	3919.0	3923.5	3978.1	4088.9	4249.8	4428.9	4591.3	4644.5	4816.0	4932.8	4860.0
17.5°	3735.3	3736.8	3783.9	3903.8	4072.3	4271.1	4463.8	4529.1	4750.7	4891.9	4782.6
20°	3642.7	3638.2	3671.6	3776.3	3935.6	4134.5	4362.1	4442.6	4714.3	4885.8	4723.4
22.5°	3644.2	3633.6	3647.3	3721.6	3856.7	4043.4	4298.4	4389.5	4717.3	4911.6	4673.3
25°	3730.7	3715.6	3718.6	3758.1	3853.7	4023.7	4307.5	4404.6	4778.0	4998.1	4655.1
27.5°	3876.5	3859.8	3859.8	3879.5	3931.1	4085.9	4421.3	4532.1	4940.4	5166.6	4693.0
30°	4064.7	4048.0	4041.9	4061.6	4104.1	4246.8	4674.8	4790.2	5218.2	5442.8	4814.5
32.5°	4280.2	4260.5	4271.1	4298.4	4339.4	4536.7	5001.1	5154.4	5565.8	5814.7	5033.0
35°	4507.9	4491.2	4539.7	4598.9	4662.7	4938.9	5451.9	5585.5	5992.3	6277.6	5366.9
37.5°	4724.9	4717.3	4819.0	4943.5	5075.5	5421.6	5910.3	6013.5	6358.1	6781.5	5775.2
40°	4941.9	4940.4	5115.0	5333.5	5544.5	5902.7	6257.9	6342.9	6581.2	7173.1	6166.8
42.5°	5184.8	5184.8	5426.1	5717.5	5998.3	6309.5	6512.9	6550.8	6681.3	7399.3	6461.3
45°	5417.0	5430.7	5710.0	6048.4	6380.8	6626.7	6688.9	6692.0	6722.3	7532.8	6705.6
47.5°	5600.7	5612.8	5946.7	6336.8	6695.0	6868.0	6877.1	6863.5	6830.1	7660.3	6893.8
50°	5749.4	5767.6	6116.7	6529.6	6910.5	7100.3	7170.1	7156.4	7071.4	7796.9	7025.9
52.5°	5822.3	5848.1	6175.9	6625.2	7150.3	7497.9	7692.2	7724.1	7432.7	7872.8	7151.9
55°	5239.4	5277.4	5579.4	6194.1	7283.9	8112.6	8417.7	8411.6	7824.2	8099.0	7458.5
57.5°	3956.9	3953.9	4204.3	4876.7	6221.5	8147.5	8863.9	8851.8	8190.0	8361.5	7772.6
60°	2694.1	2675.9	2742.7	3067.5	4350.0	6637.3	8067.1	8231.0	7930.5	7724.1	6599.4
62.5°	2217.5	2200.8	2179.6	2090.0	2498.3	4134.5	5573.4	5822.3	5782.8	5368.4	4139.0
65°	1815.3	1828.9	1888.1	1850.2	1737.9	2120.4	2892.9	3040.1	2779.1	2338.9	1446.5
67.5°	1338.7	1344.8	1422.2	1622.5	1561.8	1411.6	1361.5	1385.7	812.0	373.4	241.3
70°	790.8	795.3	866.7	1135.3	1267.4	1083.7	919.8	906.1	321.8	100.2	109.3
72.5°	447.8	438.6	452.3	540.3	690.6	575.2	473.6	431.1	97.1	56.2	56.2
75°	212.5	206.4	177.6	167.0	151.8	97.1	60.7	51.6	24.3	22.8	22.8
77.5°	1.5	4.6	3.0	4.6	4.6	3.0	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



REPORT NUMBER: P641718

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2	5432.2
2.5°	5397.3	5351.8	5341.1	5338.1	5295.6	5250.1	5203.0	5184.8	5157.5	5140.8	5154.4
5°	5295.6	5230.3	5172.7	5119.5	5025.4	4922.2	4832.7	4775.0	4720.3	4683.9	4693.0
7.5°	5151.4	5066.4	4934.4	4799.3	4626.2	4471.4	4298.4	4192.2	4093.5	4038.9	4064.7
10°	4998.1	4885.8	4674.8	4445.6	4173.9	3931.1	3683.7	3481.8	3365.0	3254.2	3266.3
12.5°	4847.8	4699.1	4383.4	4035.8	3692.8	3334.6	2961.2	2681.9	2490.7	2352.6	2331.3
15°	4708.2	4517.0	4099.6	3641.2	3173.7	2697.1	2220.5	1821.4	1599.8	1463.2	1454.0
17.5°	4583.7	4347.0	3805.1	3228.4	2642.5	2032.3	1484.4	1185.4	1057.9	998.7	992.6
20°	4463.8	4175.5	3504.6	2809.4	2062.7	1426.7	1024.5	886.4	845.4	821.1	824.2
22.5°	4348.5	3988.8	3188.9	2345.0	1546.6	1001.7	793.8	740.7	736.1	739.2	740.7
25°	4251.4	3817.3	2864.1	1897.2	1103.4	763.5	663.3	648.1	661.8	681.5	684.5
27.5°	4201.3	3677.6	2546.9	1446.5	798.4	620.8	575.2	581.3	605.6	626.9	629.9
30°	4214.9	3572.9	2219.0	1048.8	614.7	523.6	508.5	520.6	544.9	564.6	567.7
32.5°	4312.1	3519.8	1883.6	763.5	505.4	456.9	450.8	459.9	481.1	496.3	497.8
35°	4504.8	3531.9	1564.8	584.4	434.1	406.8	405.3	411.3	421.9	432.6	434.1
37.5°	4788.7	3630.6	1250.7	485.7	393.1	373.4	367.3	367.3	374.9	379.4	382.5
40°	5093.7	3779.3	1001.7	429.5	364.3	343.0	330.9	326.3	332.4	338.5	340.0
42.5°	5345.7	3928.1	813.5	390.1	341.5	312.7	297.5	294.5	302.0	312.7	315.7
45°	5538.4	4043.4	678.5	358.2	315.7	283.8	267.1	267.1	280.8	299.0	302.0
47.5°	5714.5	4136.0	578.3	329.4	291.4	258.0	241.3	244.4	267.1	291.4	296.0
50°	5834.4	4210.4	503.9	303.6	271.7	236.8	221.6	227.7	255.0	283.8	288.4
52.5°	5963.4	4301.4	455.3	280.8	253.5	220.1	206.4	211.0	241.3	273.2	279.3
55°	6320.1	4606.5	453.8	250.4	221.6	197.3	191.2	192.8	223.1	259.5	267.1
57.5°	6611.5	4875.2	484.2	211.0	185.2	173.0	170.0	171.5	198.8	239.8	248.9
60°	5470.1	3788.4	400.7	174.5	154.8	151.8	147.2	150.3	176.1	212.5	220.1
62.5°	3237.5	2165.9	191.2	133.6	132.0	129.0	124.5	130.5	154.8	186.7	191.2
65°	1106.5	642.0	121.4	109.3	112.3	107.8	103.2	109.3	130.5	148.7	150.3
67.5°	212.5	170.0	97.1	91.1	92.6	83.5	82.0	88.0	100.2	103.2	101.7
70°	110.8	98.7	74.4	74.4	71.3	59.2	59.2	65.3	65.3	60.7	59.2
72.5°	57.7	54.6	48.6	54.6	45.5	36.4	36.4	39.5	36.4	30.4	30.4
75°	22.8	22.8	21.2	27.3	19.7	16.7	15.2	18.2	13.7	10.6	10.6
77.5°	6.1	6.1	6.1	7.6	4.6	4.6	3.0	3.0	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)