

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: P643471

Luminaire Tested: GWS-SA6F-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643471
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-SA6F-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23760.5 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

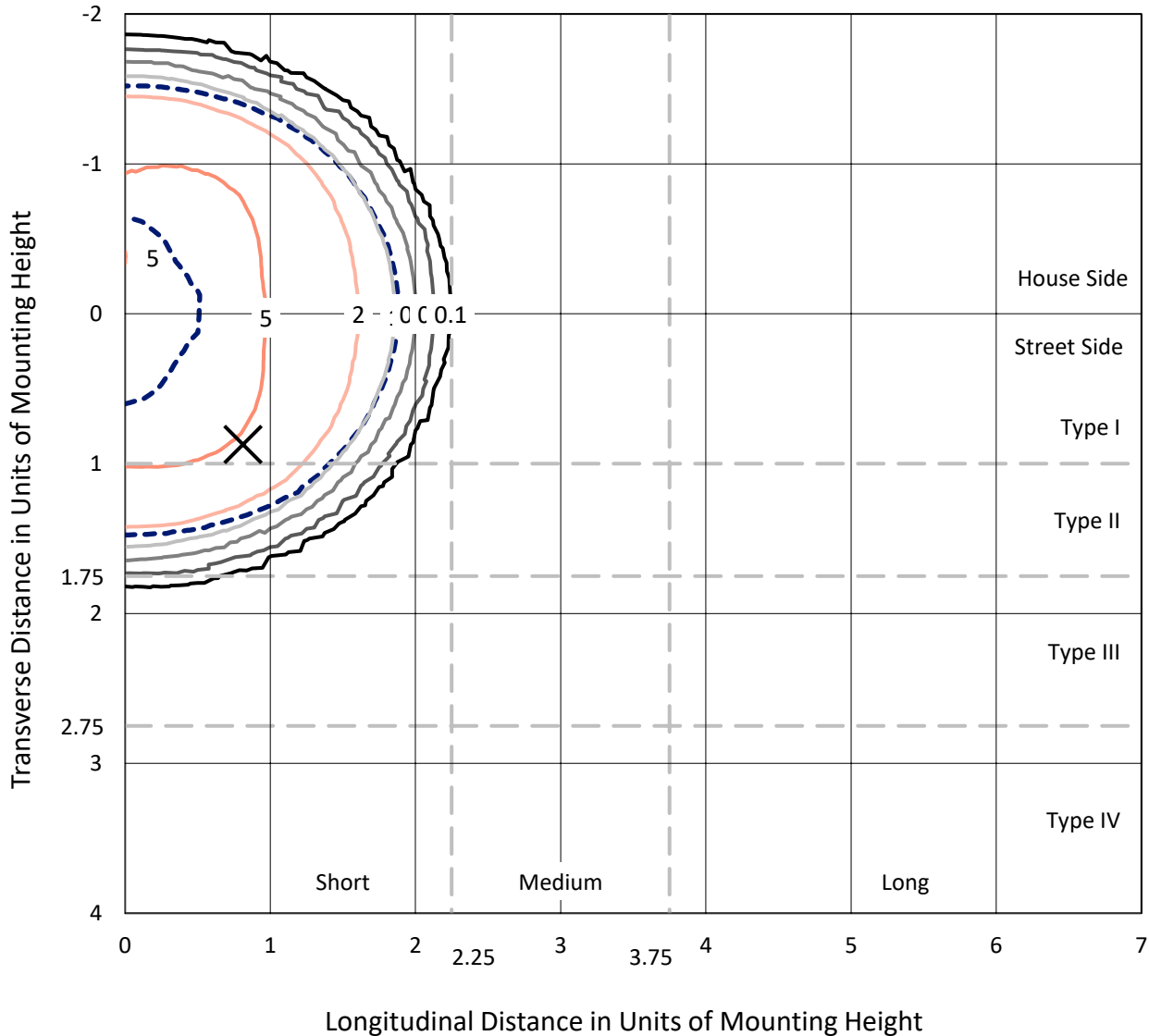
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643471
 CATALOG NUMBER: GWS-SA6F-722-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

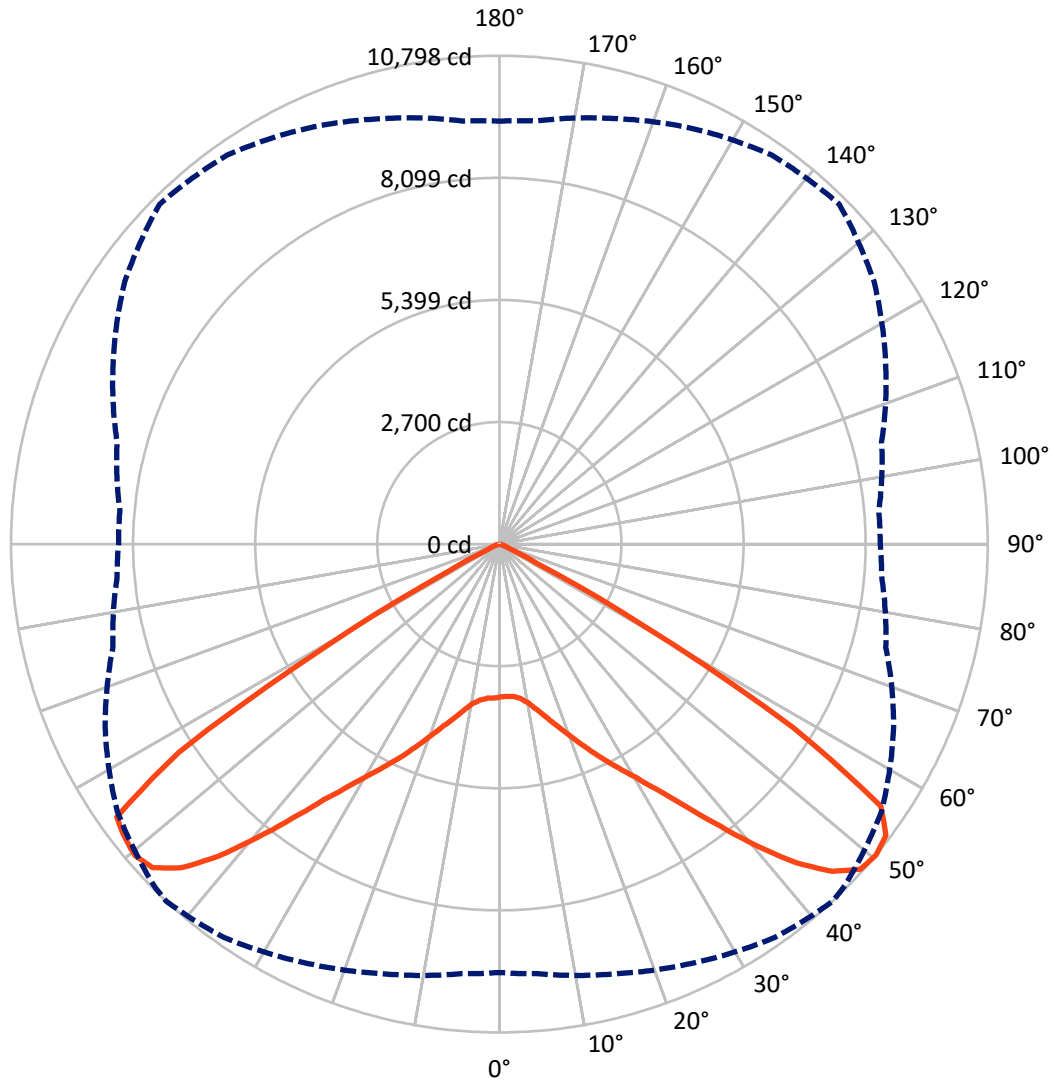
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

REPORT NUMBER: P643471
CATALOG NUMBER: GWS-SA6F-722-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643471

CATALOG NUMBER: GWS-SA6F-722-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11880.0	0.0	11880.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11880.5	0.0	11880.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23760.5	0.0	23760.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.8	1.4
10°-20°	1145.3	4.8
20°-30°	2317.1	9.8
30°-40°	4299.0	18.1
40°-50°	7136.2	30.0
50°-60°	7282.8	30.7
60°-70°	1194.3	5.0
70°-80°	52.3	0.2
80°-90°	0.7	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°	23760.5	100.0
0°-180°	23760.5	100.0

Coefficient of Utilization



REPORT NUMBER: P643471

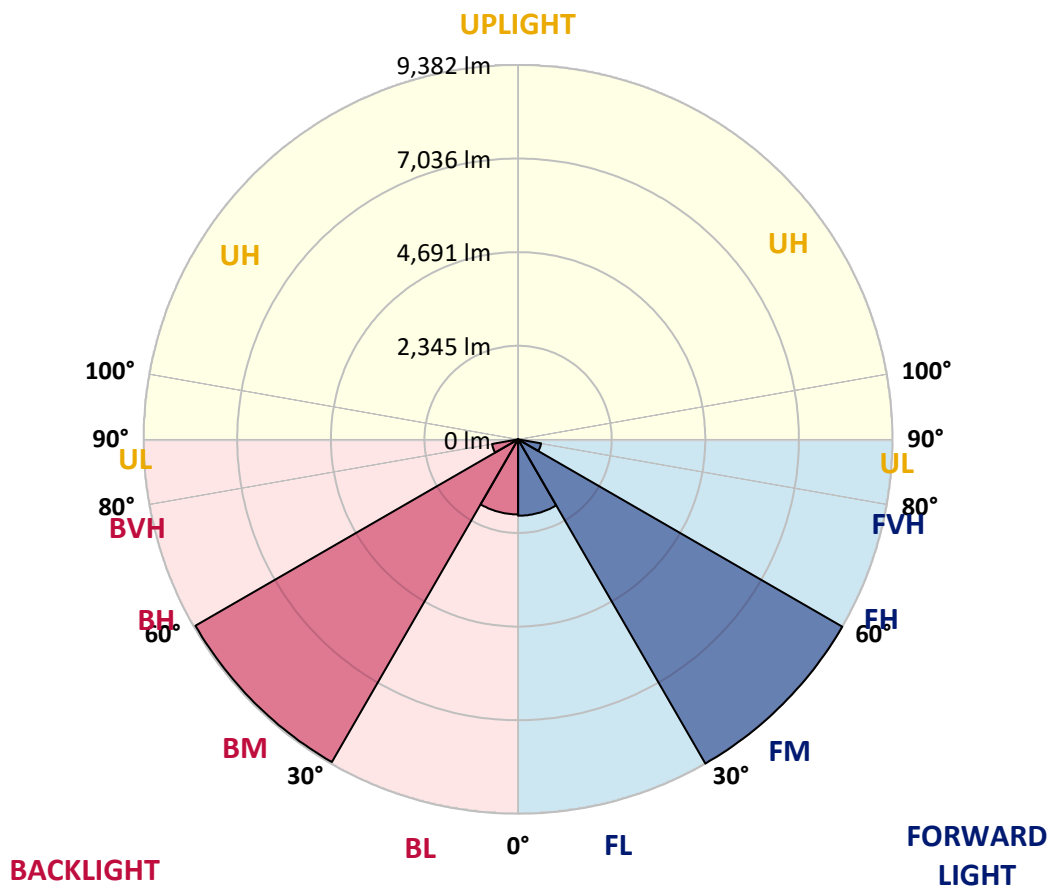
CATALOG NUMBER: GWS-SA6F-722-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1914.2	8.1			
FM (30°-60°)	9381.8	39.5			
FH (60°-80°)	584.3	2.5			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	1881.0	7.9	B3/2500		
BM (30°-60°)	9336.2	39.3	B5		
BH (60°-80°)	662.3	2.8	B2/1000		G1/1800
BVH (80°-90°)	0.5	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





REPORT NUMBER: P643471

CATALOG NUMBER: GWS-SA6F-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6
2.5°	3316.5	3324.4	3334.9	3345.4	3358.5	3371.7	3379.6	3403.2	3398.0	3419.0	3419.0
5°	3279.7	3287.6	3300.7	3324.4	3353.3	3382.2	3403.2	3450.5	3476.8	3518.8	3534.6
7.5°	3298.1	3308.6	3324.4	3361.2	3405.8	3450.5	3474.2	3550.4	3602.9	3681.8	3726.4
10°	3358.5	3369.0	3395.3	3458.4	3516.2	3579.3	3608.2	3705.4	3789.5	3897.3	3960.3
12.5°	3426.9	3440.0	3492.6	3587.2	3687.0	3771.1	3810.5	3918.3	4005.0	4125.9	4225.8
15°	3497.8	3518.8	3600.3	3739.6	3881.5	3994.5	4036.5	4152.2	4238.9	4367.7	4480.7
17.5°	3663.4	3687.0	3779.0	3928.8	4123.3	4254.7	4291.5	4412.3	4478.0	4564.8	4683.0
20°	3871.0	3915.7	4028.7	4210.0	4422.9	4549.0	4575.3	4693.5	4688.3	4725.1	4827.6
22.5°	4128.5	4160.1	4283.6	4499.1	4738.2	4877.5	4937.9	4987.9	4922.2	4890.6	4956.3
25°	4396.6	4433.4	4567.4	4803.9	5072.0	5232.3	5282.2	5321.6	5216.5	5098.2	5106.1
27.5°	4743.5	4769.7	4901.1	5153.4	5421.5	5602.8	5647.5	5715.8	5576.5	5387.3	5334.8
30°	5156.1	5182.3	5321.6	5587.0	5852.5	6007.5	6075.8	6159.9	6007.5	5771.0	5710.6
32.5°	5639.6	5665.9	5844.6	6117.9	6336.0	6504.2	6569.9	6659.2	6538.4	6272.9	6204.6
35°	6217.8	6233.5	6443.8	6740.7	6972.0	7134.9	7179.6	7284.7	7150.7	6885.3	6848.5
37.5°	6887.9	6906.3	7134.9	7479.2	7715.7	7897.0	7968.0	7996.9	7833.9	7537.0	7508.1
40°	7623.7	7684.2	7907.5	8278.1	8543.5	8772.1	8835.2	8738.0	8509.3	8104.6	8052.1
42.5°	8391.1	8443.6	8693.3	9095.4	9402.8	9636.7	9639.4	9429.1	9040.2	8480.4	8401.6
45°	9029.7	9050.7	9373.9	9778.6	10157.1	10322.6	10338.4	9957.3	9371.3	8698.5	8530.4
47.5°	9468.5	9502.7	9783.9	10172.8	10590.7	10740.5	10708.9	10233.3	9529.0	8840.5	8561.9
50°	9473.8	9531.6	9836.5	10212.2	10617.0	10798.3	10753.6	10312.1	9618.3	8845.7	8485.7
52.5°	8635.5	8730.1	9226.8	9770.8	10391.0	10701.0	10711.6	10414.6	9584.2	8761.6	8417.4
55°	6514.7	6617.2	7242.7	8170.3	9368.7	10233.3	10383.1	10293.7	9544.7	8798.4	8538.2
57.5°	3447.9	3369.0	3715.9	4635.7	6141.5	7671.0	8109.9	8824.7	9105.9	8843.1	8761.6
60°	751.6	801.5	1067.0	1437.5	2396.7	3608.2	4036.5	5261.2	6717.1	7363.5	7831.3
62.5°	323.2	318.0	331.1	375.8	549.2	914.5	1116.9	1823.8	2877.6	3952.5	4680.4
65°	265.4	268.1	278.6	278.6	260.2	262.8	275.9	417.8	672.8	943.4	1266.7
67.5°	199.7	202.4	220.7	226.0	212.9	189.2	186.6	157.7	165.6	207.6	215.5
70°	126.1	126.1	136.7	141.9	141.9	131.4	128.8	113.0	110.4	126.1	141.9
72.5°	68.3	68.3	73.6	76.2	73.6	71.0	71.0	68.3	65.7	76.2	97.2
75°	28.9	28.9	31.5	31.5	28.9	28.9	28.9	28.9	28.9	34.2	52.6
77.5°	5.3	7.9	10.5	7.9	5.3	5.3	5.3	7.9	7.9	10.5	15.8
80°	2.6	2.6	5.3	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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: P643471

CATALOG NUMBER: GWS-SA6F-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6	3379.6
2.5°	3437.4	3408.5	3419.0	3424.2	3416.3	3411.1	3382.2	3374.3	3361.2	3340.1	3334.9
5°	3553.0	3529.3	3526.7	3511.0	3474.2	3429.5	3374.3	3350.6	3324.4	3298.1	3292.8
7.5°	3747.5	3718.6	3700.2	3647.6	3563.5	3492.6	3400.6	3350.6	3316.5	3282.3	3274.4
10°	3997.1	3963.0	3910.4	3813.2	3700.2	3597.7	3489.9	3424.2	3371.7	3324.4	3321.7
12.5°	4262.5	4225.8	4131.2	4007.6	3871.0	3776.4	3639.7	3547.7	3468.9	3398.0	3390.1
15°	4541.1	4496.4	4367.7	4220.5	4094.4	3997.1	3847.3	3700.2	3579.3	3476.8	3466.3
17.5°	4754.0	4698.8	4546.4	4436.0	4333.5	4233.6	4065.5	3871.0	3710.7	3587.2	3558.3
20°	4888.0	4835.4	4690.9	4630.5	4583.2	4512.2	4312.5	4110.1	3931.4	3779.0	3752.7
22.5°	5016.8	4953.7	4827.6	4827.6	4864.4	4835.4	4620.0	4388.7	4178.5	4002.4	3963.0
25°	5161.3	5111.4	5022.0	5095.6	5187.6	5185.0	4964.2	4675.1	4433.4	4236.3	4196.9
27.5°	5371.5	5321.6	5290.1	5429.4	5545.0	5537.1	5295.3	4982.6	4727.7	4533.2	4496.4
30°	5742.1	5694.8	5660.6	5828.8	5976.0	5920.8	5655.4	5353.2	5095.6	4874.9	4848.6
32.5°	6236.1	6186.2	6141.5	6309.7	6441.1	6370.2	6117.9	5834.1	5537.1	5321.6	5269.1
35°	6885.3	6780.1	6735.5	6935.2	6990.4	6911.5	6669.8	6420.1	6104.7	5857.7	5823.6
37.5°	7555.4	7431.9	7400.3	7573.8	7663.1	7634.2	7350.4	7090.2	6748.6	6475.3	6435.9
40°	8128.3	8015.3	7960.1	8230.8	8433.1	8451.5	8196.6	7878.6	7476.5	7192.7	7121.8
42.5°	8464.7	8367.4	8354.3	8774.8	9105.9	9342.4	9037.6	8709.1	8286.0	7965.3	7907.5
45°	8540.9	8477.8	8588.2	9140.0	9655.1	10086.1	9825.9	9479.0	9021.8	8682.8	8627.6
47.5°	8533.0	8512.0	8709.1	9329.3	9981.0	10511.8	10383.1	9991.5	9550.0	9195.2	9142.7
50°	8420.0	8422.6	8751.1	9423.9	10112.4	10627.5	10498.7	10136.0	9741.8	9392.3	9350.3
52.5°	8375.3	8359.5	8672.3	9395.0	10246.4	10574.9	10285.8	9878.5	9439.6	9008.6	8945.6
55°	8533.0	8493.6	8682.8	9371.3	10262.2	10546.0	9783.9	8900.9	8002.1	7492.3	7450.3
57.5°	8769.5	8727.5	8816.8	9197.9	9439.6	8769.5	7200.6	5776.3	4851.2	4459.6	4288.8
60°	7831.3	7802.4	7734.1	7274.2	6238.8	4706.7	3206.1	2044.6	1469.0	1187.8	1187.8
62.5°	4859.1	4819.7	4449.1	3306.0	2402.0	1390.2	764.7	478.3	362.7	339.0	336.4
65°	1363.9	1356.0	1122.1	793.6	504.6	312.7	275.9	281.2	275.9	268.1	265.4
67.5°	205.0	226.0	226.0	184.0	176.1	197.1	231.3	247.0	233.9	220.7	215.5
70°	131.4	141.9	136.7	118.3	126.1	147.2	165.6	168.2	160.3	147.2	144.5
72.5°	92.0	102.5	84.1	76.2	78.8	86.7	94.6	94.6	92.0	86.7	81.5
75°	55.2	55.2	39.4	36.8	36.8	39.4	39.4	44.7	44.7	42.0	39.4
77.5°	18.4	21.0	13.1	10.5	10.5	10.5	13.1	15.8	15.8	13.1	10.5
80°	2.6	5.3	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3	2.6
82.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
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)