

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: P642976

Luminaire Tested: GWS-SA6E-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642976
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-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: 21370.8 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

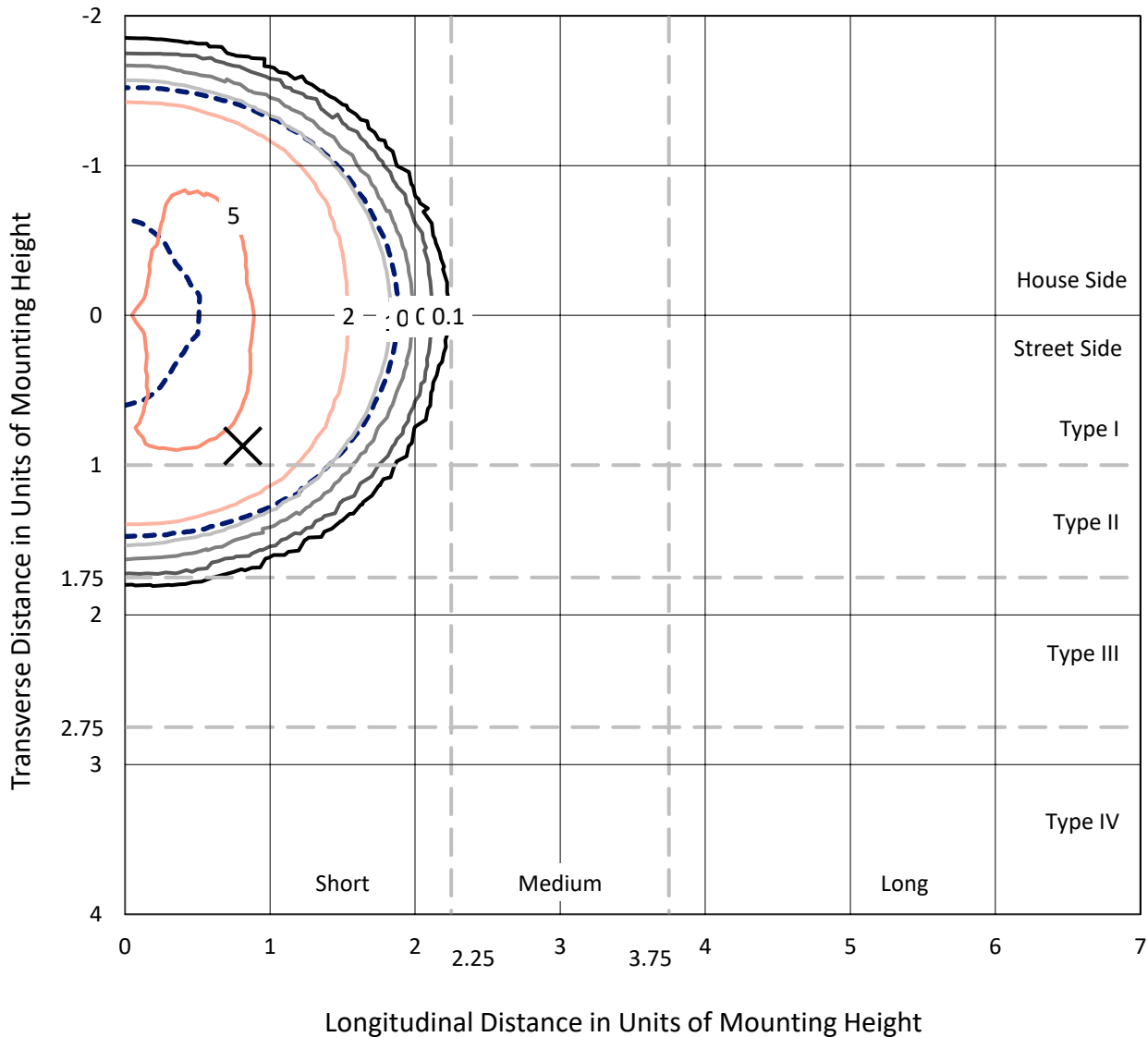
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642976
 CATALOG NUMBER: GWS-SA6E-722-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

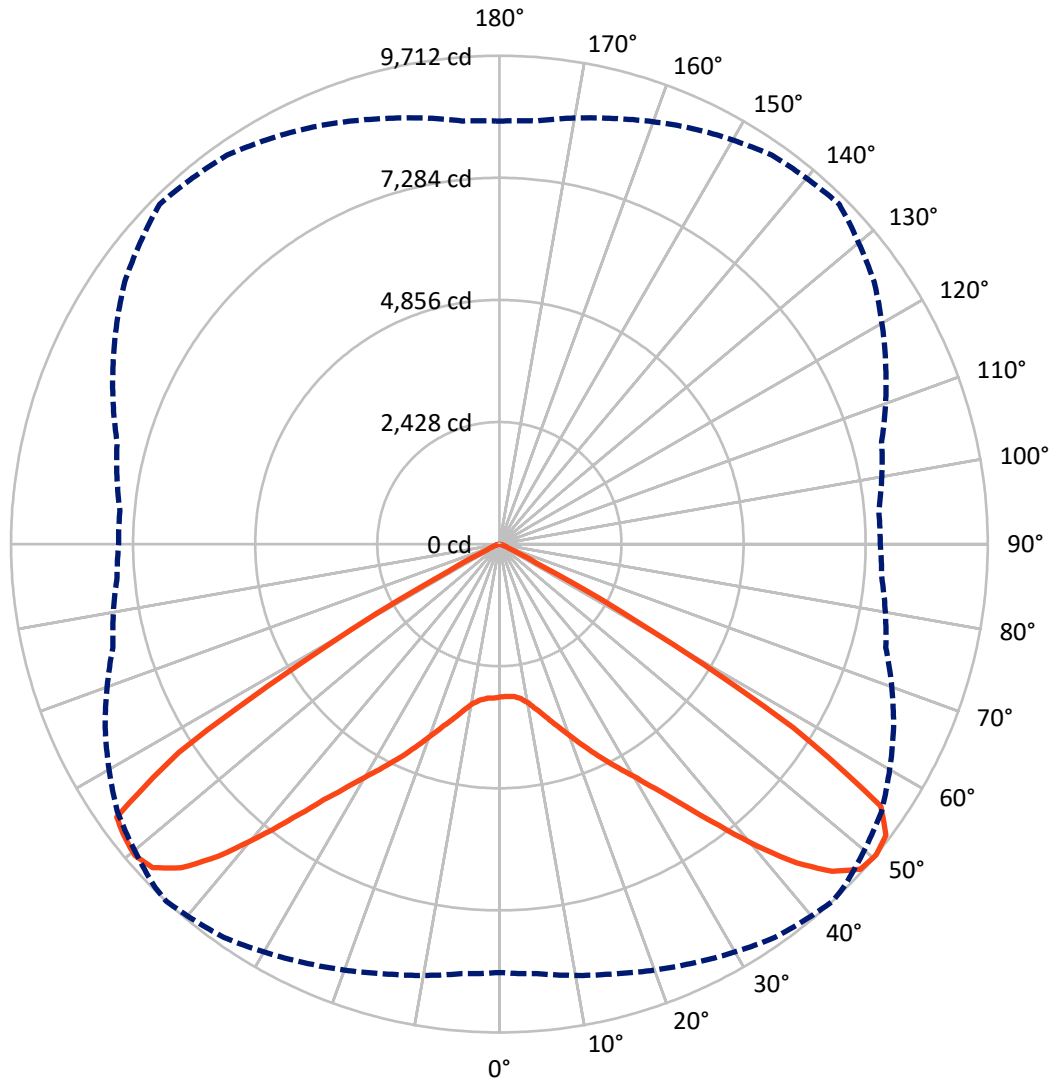
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

REPORT NUMBER: P642976
CATALOG NUMBER: GWS-SA6E-722-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642976

CATALOG NUMBER: GWS-SA6E-722-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10685.1	0.0	10685.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10685.7	0.0	10685.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21370.8	0.0	21370.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.3	1.4
10°-20°	1030.1	4.8
20°-30°	2084.1	9.8
30°-40°	3866.7	18.1
40°-50°	6418.5	30.0
50°-60°	6550.3	30.7
60°-70°	1074.2	5.0
70°-80°	47.0	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°	21370.8	100.0
0°-180°	21370.8	100.0

Coefficient of Utilization



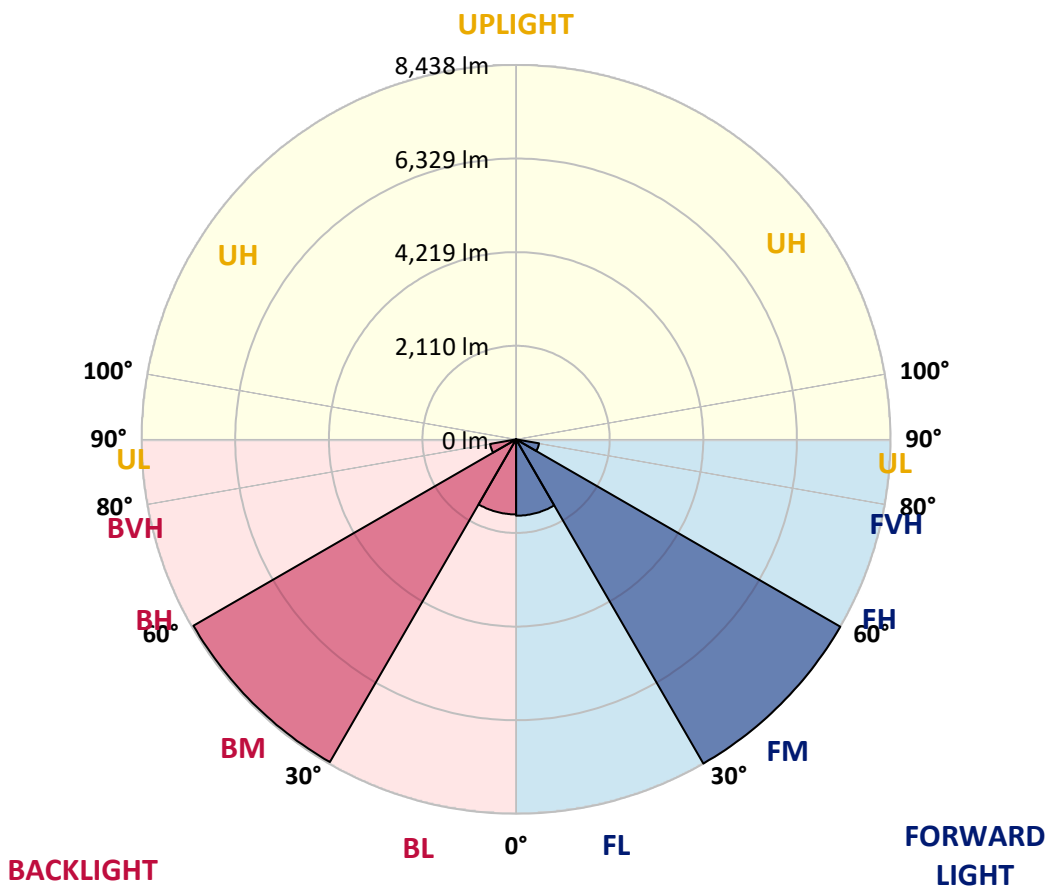
REPORT NUMBER: P642976

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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°)	1721.7	8.1			
FM (30°-60°)	8438.2	39.5			
FH (60°-80°)	525.5	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1691.8	7.9	B3/2500		
BM (30°-60°)	8397.2	39.3	B4/8500		
BH (60°-80°)	595.7	2.8	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





REPORT NUMBER: P642976

CATALOG NUMBER: GWS-SA6E-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7
2.5°	2982.9	2990.0	2999.5	3008.9	3020.7	3032.6	3039.7	3060.9	3056.2	3075.1	3075.1
5°	2949.8	2956.9	2968.7	2990.0	3016.0	3042.0	3060.9	3103.5	3127.1	3164.9	3179.1
7.5°	2966.4	2975.8	2990.0	3023.1	3063.3	3103.5	3124.7	3193.3	3240.6	3311.5	3351.7
10°	3020.7	3030.2	3053.8	3110.6	3162.6	3219.3	3245.3	3332.8	3408.4	3505.3	3562.0
12.5°	3082.2	3094.0	3141.3	3226.4	3316.2	3391.8	3427.3	3524.2	3602.2	3710.9	3800.8
15°	3146.0	3164.9	3238.2	3363.5	3491.1	3592.8	3630.6	3734.6	3812.6	3928.4	4030.0
17.5°	3294.9	3316.2	3398.9	3533.7	3708.6	3826.8	3859.8	3968.6	4027.7	4105.7	4212.0
20°	3481.7	3521.8	3623.5	3786.6	3978.0	4091.5	4115.1	4221.5	4216.8	4249.8	4342.0
22.5°	3713.3	3741.7	3852.8	4046.6	4261.7	4386.9	4441.3	4486.2	4427.1	4398.8	4457.9
25°	3954.4	3987.5	4108.0	4320.8	4561.9	4706.0	4750.9	4786.4	4691.9	4585.5	4592.6
27.5°	4266.4	4290.0	4408.2	4635.1	4876.2	5039.3	5079.5	5140.9	5015.7	4845.5	4798.2
30°	4637.5	4661.1	4786.4	5025.1	5263.9	5403.3	5464.8	5540.4	5403.3	5190.6	5136.2
32.5°	5072.4	5096.0	5256.8	5502.6	5698.8	5850.0	5909.1	5989.5	5880.8	5642.0	5580.6
35°	5592.4	5606.6	5795.7	6062.8	6270.8	6417.3	6457.5	6552.0	6431.5	6192.8	6159.7
37.5°	6195.1	6211.7	6417.3	6727.0	6939.7	7102.8	7166.6	7192.6	7046.1	6779.0	6753.0
40°	6857.0	6911.3	7112.2	7445.5	7684.2	7889.9	7946.6	7859.1	7653.5	7289.5	7242.2
42.5°	7547.1	7594.4	7819.0	8180.6	8457.2	8667.5	8669.9	8480.8	8131.0	7627.5	7556.6
45°	8121.5	8140.4	8431.2	8795.2	9135.5	9284.4	9298.6	8955.9	8428.8	7823.7	7672.4
47.5°	8516.2	8547.0	8799.9	9149.7	9525.5	9660.3	9631.9	9204.1	8570.6	7951.3	7700.8
50°	8521.0	8573.0	8847.2	9185.2	9549.2	9712.3	9672.1	9275.0	8651.0	7956.1	7632.2
52.5°	7767.0	7852.1	8298.8	8788.1	9345.9	9624.8	9634.3	9367.2	8620.2	7880.4	7570.8
55°	5859.5	5951.7	6514.2	7348.6	8426.4	9204.1	9338.8	9258.4	8584.8	7913.5	7679.5
57.5°	3101.1	3030.2	3342.2	4169.5	5523.9	6899.5	7294.2	7937.1	8190.1	7953.7	7880.4
60°	676.0	720.9	959.6	1292.9	2155.7	3245.3	3630.6	4732.0	6041.5	6623.0	7043.7
62.5°	290.7	286.0	297.8	338.0	494.0	822.6	1004.6	1640.4	2588.2	3554.9	4209.7
65°	238.7	241.1	250.5	250.5	234.0	236.4	248.2	375.8	605.1	848.6	1139.3
67.5°	179.6	182.0	198.5	203.3	191.5	170.2	167.8	141.8	148.9	186.7	193.8
70°	113.5	113.5	122.9	127.6	127.6	118.2	115.8	101.6	99.3	113.5	127.6
72.5°	61.5	61.5	66.2	68.5	66.2	63.8	63.8	61.5	59.1	68.5	87.5
75°	26.0	26.0	28.4	28.4	26.0	26.0	26.0	26.0	26.0	30.7	47.3
77.5°	4.7	7.1	9.5	7.1	4.7	4.7	4.7	7.1	7.1	9.5	14.2
80°	2.4	2.4	4.7	2.4	0.0	0.0	0.0	0.0	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
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: P642976

CATALOG NUMBER: GWS-SA6E-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7	3039.7
2.5°	3091.7	3065.7	3075.1	3079.8	3072.7	3068.0	3042.0	3034.9	3023.1	3004.2	2999.5
5°	3195.7	3174.4	3172.0	3157.8	3124.7	3084.6	3034.9	3013.7	2990.0	2966.4	2961.7
7.5°	3370.6	3344.6	3328.0	3280.8	3205.1	3141.3	3058.6	3013.7	2982.9	2952.2	2945.1
10°	3595.1	3564.4	3517.1	3429.7	3328.0	3235.8	3138.9	3079.8	3032.6	2990.0	2987.7
12.5°	3833.8	3800.8	3715.7	3604.6	3481.7	3396.6	3273.7	3190.9	3120.0	3056.2	3049.1
15°	4084.4	4044.2	3928.4	3796.0	3682.6	3595.1	3460.4	3328.0	3219.3	3127.1	3117.7
17.5°	4275.8	4226.2	4089.1	3989.8	3897.7	3807.8	3656.6	3481.7	3337.5	3226.4	3200.4
20°	4396.4	4349.1	4219.1	4164.8	4122.2	4058.4	3878.8	3696.8	3536.0	3398.9	3375.3
22.5°	4512.2	4455.5	4342.0	4342.0	4375.1	4349.1	4155.3	3947.3	3758.2	3599.8	3564.4
25°	4642.2	4597.3	4516.9	4583.1	4665.9	4663.5	4464.9	4204.9	3987.5	3810.2	3774.8
27.5°	4831.3	4786.4	4758.0	4883.3	4987.3	4980.2	4762.8	4481.5	4252.2	4077.3	4044.2
30°	5164.6	5122.0	5091.3	5242.6	5374.9	5325.3	5086.6	4814.8	4583.1	4384.6	4360.9
32.5°	5608.9	5564.0	5523.9	5675.1	5793.3	5729.5	5502.6	5247.3	4980.2	4786.4	4739.1
35°	6192.8	6098.2	6058.0	6237.7	6287.3	6216.4	5999.0	5774.4	5490.8	5268.6	5237.9
37.5°	6795.5	6684.4	6656.0	6812.0	6892.4	6866.4	6611.1	6377.1	6069.9	5824.0	5788.6
40°	7310.8	7209.1	7159.5	7403.0	7585.0	7601.5	7372.2	7086.2	6724.6	6469.3	6405.5
42.5°	7613.3	7525.9	7514.1	7892.2	8190.1	8402.8	8128.6	7833.1	7452.6	7164.2	7112.2
45°	7681.9	7625.1	7724.4	8220.8	8684.1	9071.7	8837.7	8525.7	8114.4	7809.5	7759.9
47.5°	7674.8	7655.9	7833.1	8391.0	8977.2	9454.6	9338.8	8986.6	8589.5	8270.4	8223.2
50°	7573.1	7575.5	7871.0	8476.1	9095.3	9558.6	9442.8	9116.6	8762.1	8447.7	8409.9
52.5°	7533.0	7518.8	7800.1	8450.1	9215.9	9511.3	9251.3	8885.0	8490.2	8102.6	8045.9
55°	7674.8	7639.3	7809.5	8428.8	9230.1	9485.3	8799.9	8005.7	7197.3	6738.8	6701.0
57.5°	7887.5	7849.7	7930.1	8272.8	8490.2	7887.5	6476.4	5195.3	4363.3	4011.1	3857.5
60°	7043.7	7017.7	6956.2	6542.6	5611.3	4233.3	2883.7	1838.9	1321.3	1068.4	1068.4
62.5°	4370.4	4334.9	4001.7	2973.5	2160.4	1250.4	687.8	430.2	326.2	304.9	302.5
65°	1226.7	1219.6	1009.3	713.8	453.8	281.3	248.2	252.9	248.2	241.1	238.7
67.5°	184.4	203.3	203.3	165.5	158.4	177.3	208.0	222.2	210.4	198.5	193.8
70°	118.2	127.6	122.9	106.4	113.5	132.4	148.9	151.3	144.2	132.4	130.0
72.5°	82.7	92.2	75.6	68.5	70.9	78.0	85.1	85.1	82.7	78.0	73.3
75°	49.6	49.6	35.5	33.1	33.1	35.5	35.5	40.2	40.2	37.8	35.5
77.5°	16.5	18.9	11.8	9.5	9.5	9.5	11.8	14.2	14.2	11.8	9.5
80°	2.4	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	2.4
82.5°	2.4	2.4	2.4	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
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)