

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: P642814

Luminaire Tested: GWS-SA6D-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21221.2 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

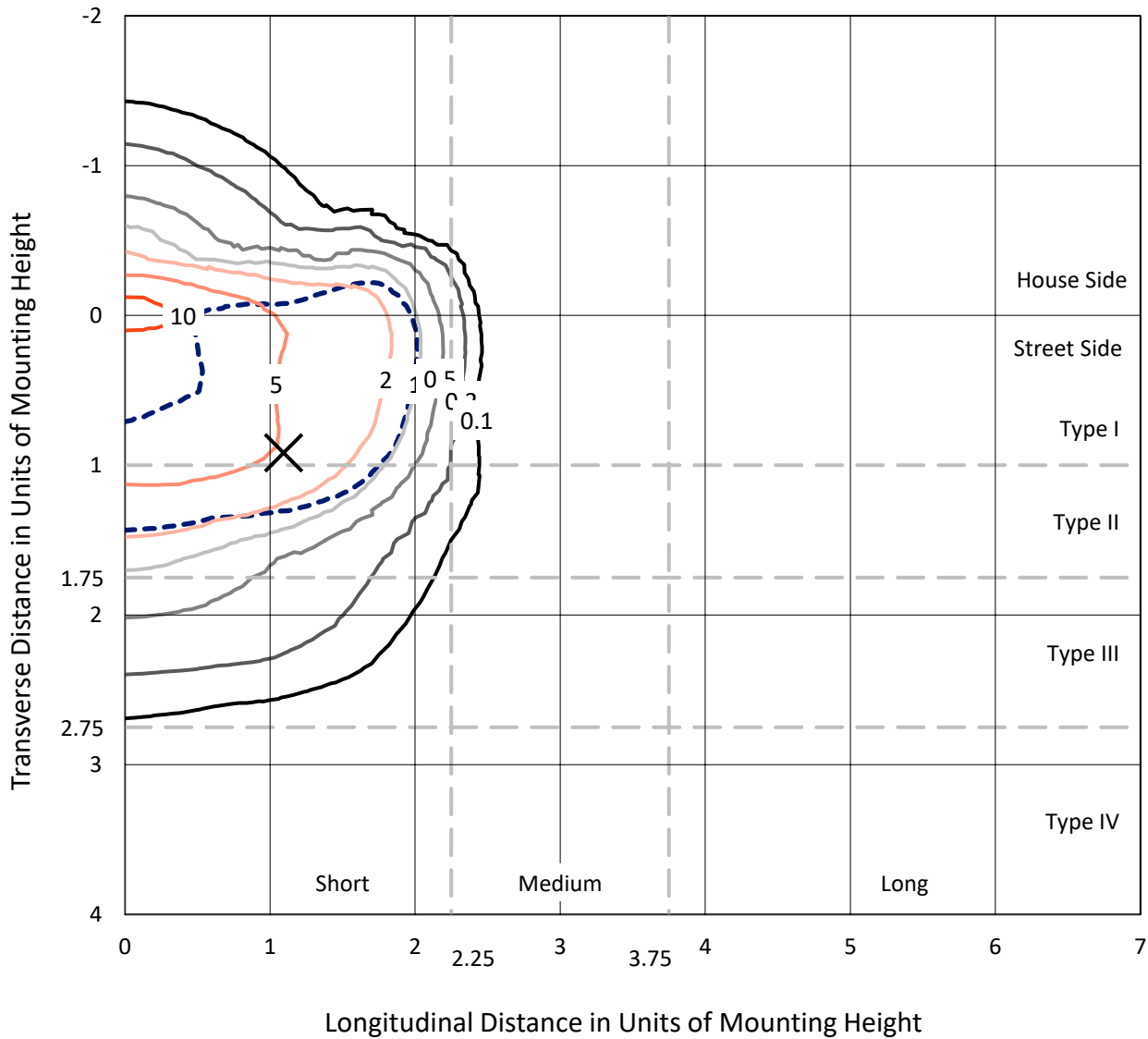
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

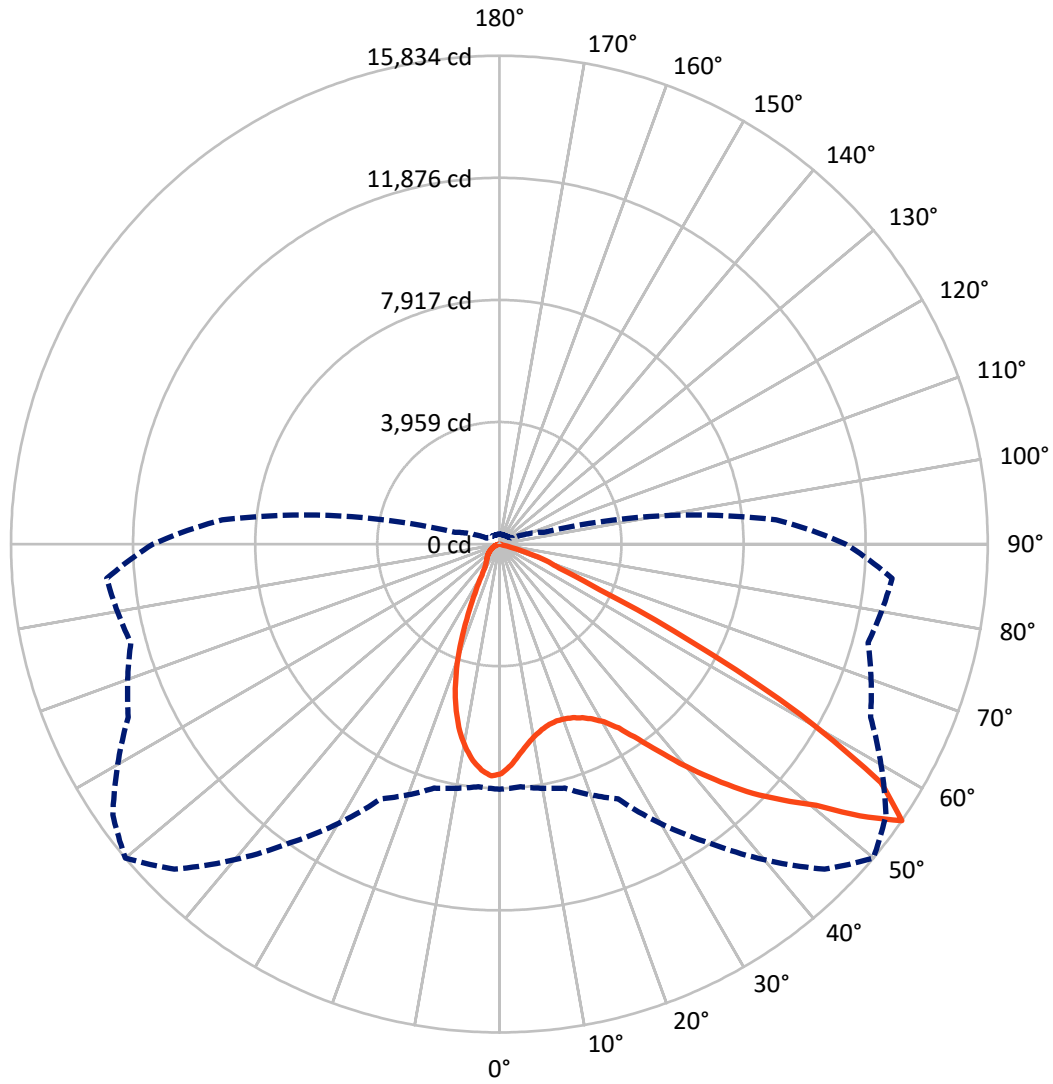
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4181.6	0.0	4181.6
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	17039.6	0.0	17039.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	21221.2	0.0	21221.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.9	3.1
10°-20°	1609.1	7.6
20°-30°	2269.7	10.7
30°-40°	3358.7	15.8
40°-50°	4845.4	22.8
50°-60°	5715.6	26.9
60°-70°	2549.6	12.0
70°-80°	219.2	1.0
80°-90°	0.1	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°	21221.2	100.0
0°-180°	21221.2	100.0

Coefficient of Utilization



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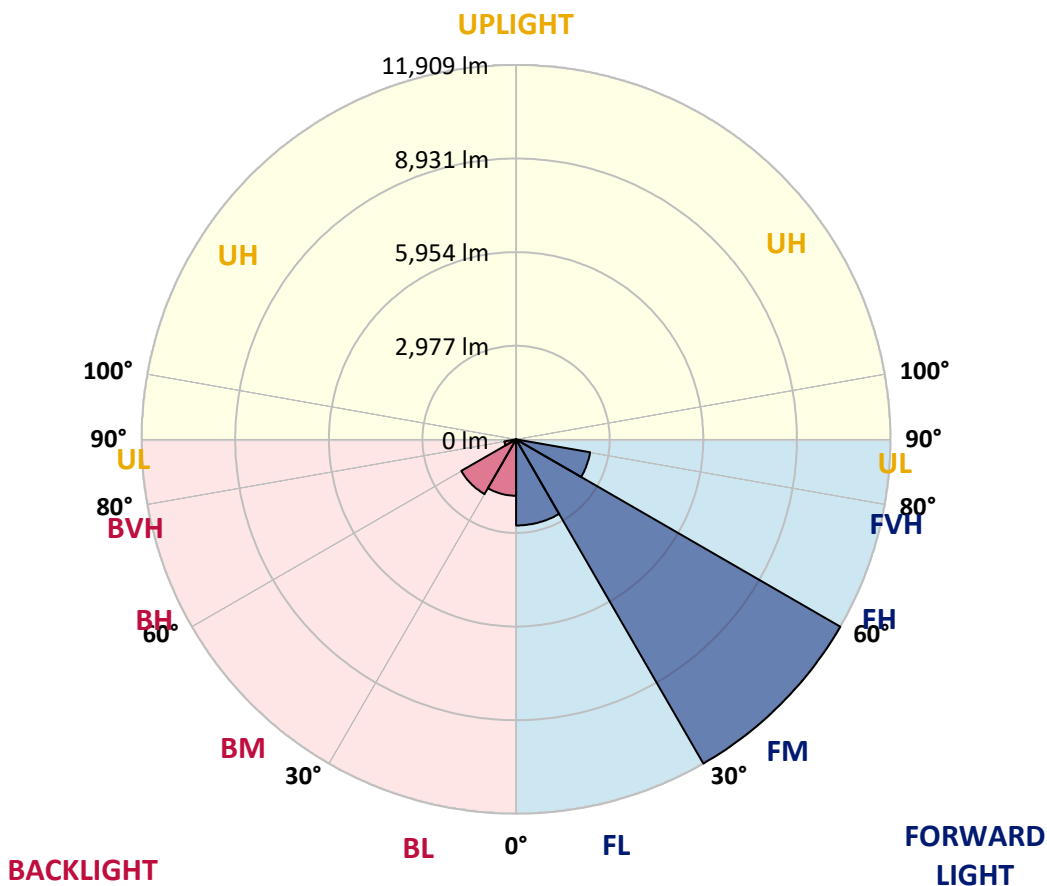
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2739.7	12.9			
FM (30°-60°)	11908.6	56.1			
FH (60°-80°)	2391.2	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1792.9	8.4	B3/2500		
BM (30°-60°)	2011.0	9.5	B2/2500		
BH (60°-80°)	377.6	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6
2.5°	6917.1	6922.3	6924.9	6994.8	7020.7	7124.3	7178.7	7207.2	7282.4	7370.4	7443.0
5°	6453.4	6445.6	6458.5	6546.6	6603.6	6756.5	6839.4	6896.4	7062.2	7269.4	7443.0
7.5°	6049.2	6064.8	6080.3	6176.2	6261.6	6427.4	6546.6	6632.1	6862.7	7171.0	7463.7
10°	5764.2	5764.2	5787.6	5896.4	5997.4	6202.1	6321.2	6430.0	6704.6	7082.9	7487.0
12.5°	5554.4	5557.0	5585.5	5709.8	5826.4	6038.8	6163.2	6269.4	6572.5	6994.8	7492.2
15°	5455.9	5448.2	5471.5	5603.6	5733.1	5932.6	6062.2	6165.8	6479.3	6945.6	7518.1
17.5°	5430.0	5424.9	5443.0	5572.5	5704.6	5898.9	6025.9	6129.5	6466.3	6961.1	7595.8
20°	5505.2	5494.8	5487.0	5598.4	5722.8	5914.5	6046.6	6163.2	6528.5	7046.6	7715.0
22.5°	5683.9	5683.9	5665.8	5720.2	5803.1	5976.7	6114.0	6266.8	6691.7	7217.6	7891.2
25°	6012.9	5987.0	5953.4	5976.7	5966.3	6075.1	6238.3	6450.8	7000.0	7500.0	8106.2
27.5°	6388.6	6411.9	6354.9	6357.5	6266.8	6228.0	6417.1	6738.3	7458.5	7898.9	8424.8
30°	6898.9	6880.8	6883.4	6875.6	6665.8	6481.8	6686.5	7114.0	8036.2	8507.8	8839.4
32.5°	7297.9	7323.8	7409.3	7458.5	7183.9	6888.6	7106.2	7624.3	8694.3	9202.0	9347.1
35°	7720.2	7766.8	7940.4	8101.0	7870.4	7531.1	7764.2	8300.5	9313.4	9888.6	9930.0
37.5°	8165.8	8259.0	8466.3	8748.7	8712.4	8411.9	8624.3	9095.8	9800.5	10303.1	10411.9
40°	8676.1	8766.8	9106.2	9512.9	9598.4	9531.1	9601.0	9875.6	10121.7	10321.2	10619.1
42.5°	9235.7	9360.1	9790.1	10334.2	10655.4	10715.0	10551.8	10523.3	10261.6	10114.0	10575.1
45°	9896.3	10041.4	10528.5	11233.1	11743.5	11823.8	11541.4	11176.1	10349.7	9961.1	10443.0
47.5°	10637.3	10774.6	11259.0	12106.2	12865.3	12896.3	12404.1	11816.0	10611.4	10137.3	10544.0
50°	10886.0	10971.5	11391.2	12386.0	13784.9	14023.3	13310.8	12536.2	11137.3	10655.4	11036.2
52.5°	10031.1	10064.7	10430.0	11435.2	13598.4	15129.5	14634.7	13611.4	12072.5	11445.6	11795.3
55°	7948.2	7893.8	8189.1	9111.4	11818.6	14904.1	15834.2	15300.5	13277.2	12373.0	12782.4
57.5°	5559.6	5494.8	5427.4	6051.8	8818.6	12634.7	14590.6	15536.2	14424.8	13292.7	13847.1
60°	4569.9	4507.8	4181.3	3893.8	5331.6	9072.5	11207.2	12987.0	14331.6	13246.1	13813.4
62.5°	3948.2	3911.9	3779.8	3388.6	3137.3	5178.7	7018.1	8722.8	10997.4	10401.5	10432.6
65°	3101.0	3090.7	3181.3	3222.8	2774.6	2865.3	3580.3	4533.7	5945.6	5606.2	5316.0
67.5°	2119.2	2095.8	2266.8	2787.6	2668.4	2261.7	2095.8	2114.0	2572.5	1572.5	1248.7
70°	1347.1	1292.7	1295.3	1728.0	2171.0	1785.0	1616.6	1422.3	1279.8	233.2	264.2
72.5°	862.7	829.0	712.4	779.8	1005.2	870.5	878.2	756.5	505.2	124.4	145.1
75°	362.7	334.2	256.5	204.7	202.1	126.9	111.4	103.6	69.9	69.9	75.1
77.5°	2.6	0.0	0.0	2.6	5.2	2.6	2.6	5.2	10.4	15.5	18.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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°	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6	7445.6
2.5°	7487.0	7424.9	7494.8	7520.7	7518.1	7520.7	7445.6	7393.8	7391.2	7326.4	7295.3
5°	7515.5	7466.3	7518.1	7484.4	7404.1	7303.1	7168.4	7051.8	7000.0	6924.9	6888.6
7.5°	7569.9	7518.1	7510.3	7375.6	7176.1	6963.7	6725.4	6512.9	6398.9	6261.6	6269.4
10°	7608.8	7549.2	7448.2	7173.6	6842.0	6502.6	6147.7	5831.6	5632.1	5448.2	5417.1
12.5°	7624.3	7536.3	7300.5	6886.0	6419.7	5976.7	5455.9	5005.2	4694.3	4453.4	4419.7
15°	7652.8	7510.3	7111.4	6538.8	5898.9	5272.0	4608.8	3992.2	3580.3	3303.1	3326.4
17.5°	7696.9	7481.8	6898.9	6150.2	5339.4	4453.4	3557.0	2849.7	2471.5	2310.9	2313.5
20°	7759.0	7448.2	6665.8	5722.8	4668.4	3528.5	2487.0	1953.4	1847.1	1842.0	1834.2
22.5°	7841.9	7414.5	6417.1	5253.9	3873.0	2471.5	1655.4	1489.6	1533.7	1619.2	1634.7
25°	7940.4	7373.0	6139.9	4725.4	3005.2	1621.8	1240.9	1215.0	1321.2	1435.2	1461.1
27.5°	8093.2	7352.3	5823.8	4124.3	2108.8	1163.2	1015.5	1031.1	1126.9	1222.8	1246.1
30°	8352.3	7391.2	5479.3	3450.8	1354.9	927.5	880.8	904.1	956.0	1005.2	1025.9
32.5°	8704.6	7505.2	5145.1	2715.0	966.3	805.7	795.3	808.3	829.0	857.5	865.3
35°	9116.6	7702.1	4800.5	1943.0	797.9	735.7	725.4	725.4	735.7	740.9	743.5
37.5°	9455.9	7909.3	4476.7	1292.7	715.0	681.3	665.8	658.0	655.4	660.6	663.2
40°	9603.6	7994.8	4124.3	940.4	655.4	632.1	608.8	585.5	585.5	603.6	606.2
42.5°	9500.0	7898.9	3717.6	777.2	614.0	580.3	544.0	523.3	533.7	551.8	557.0
45°	9279.8	7663.2	3269.4	686.5	572.5	528.5	487.0	474.1	484.5	507.8	513.0
47.5°	9243.5	7507.8	2733.2	626.9	528.5	484.5	440.4	427.5	440.4	458.5	463.7
50°	9603.6	7642.5	2137.3	575.1	487.0	437.8	401.6	388.6	396.4	406.7	411.9
52.5°	10261.6	8142.5	1725.4	525.9	437.8	391.2	367.9	352.3	352.3	362.7	365.3
55°	11233.1	9015.5	1489.6	468.9	380.8	354.9	334.2	318.7	318.7	323.8	326.4
57.5°	12352.3	10072.5	1544.0	393.8	334.2	321.2	303.1	290.2	295.3	295.3	295.3
60°	12196.9	9994.8	1652.8	331.6	295.3	290.2	274.6	269.4	282.4	272.0	266.8
62.5°	8984.4	6904.1	865.3	272.0	253.9	248.7	238.3	248.7	266.8	238.3	228.0
65°	4362.7	3342.0	347.1	222.8	215.0	209.8	204.7	220.2	230.6	186.5	176.2
67.5°	1025.9	834.2	225.4	189.1	178.8	168.4	173.6	176.2	168.4	126.9	121.8
70°	266.8	261.7	176.2	158.0	142.5	132.1	132.1	129.5	111.4	80.3	75.1
72.5°	145.1	142.5	126.9	119.2	98.4	88.1	90.7	80.3	62.2	46.6	44.0
75°	72.5	77.7	72.5	67.4	54.4	49.2	49.2	44.0	31.1	18.1	18.1
77.5°	15.5	18.1	18.1	15.5	13.0	10.4	10.4	13.0	5.2	0.0	0.0
80°	2.6	2.6	2.6	2.6	2.6	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)