

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: P643804

Luminaire Tested: GWS-SA6F-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643804
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-SA6F-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: 29484.4 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

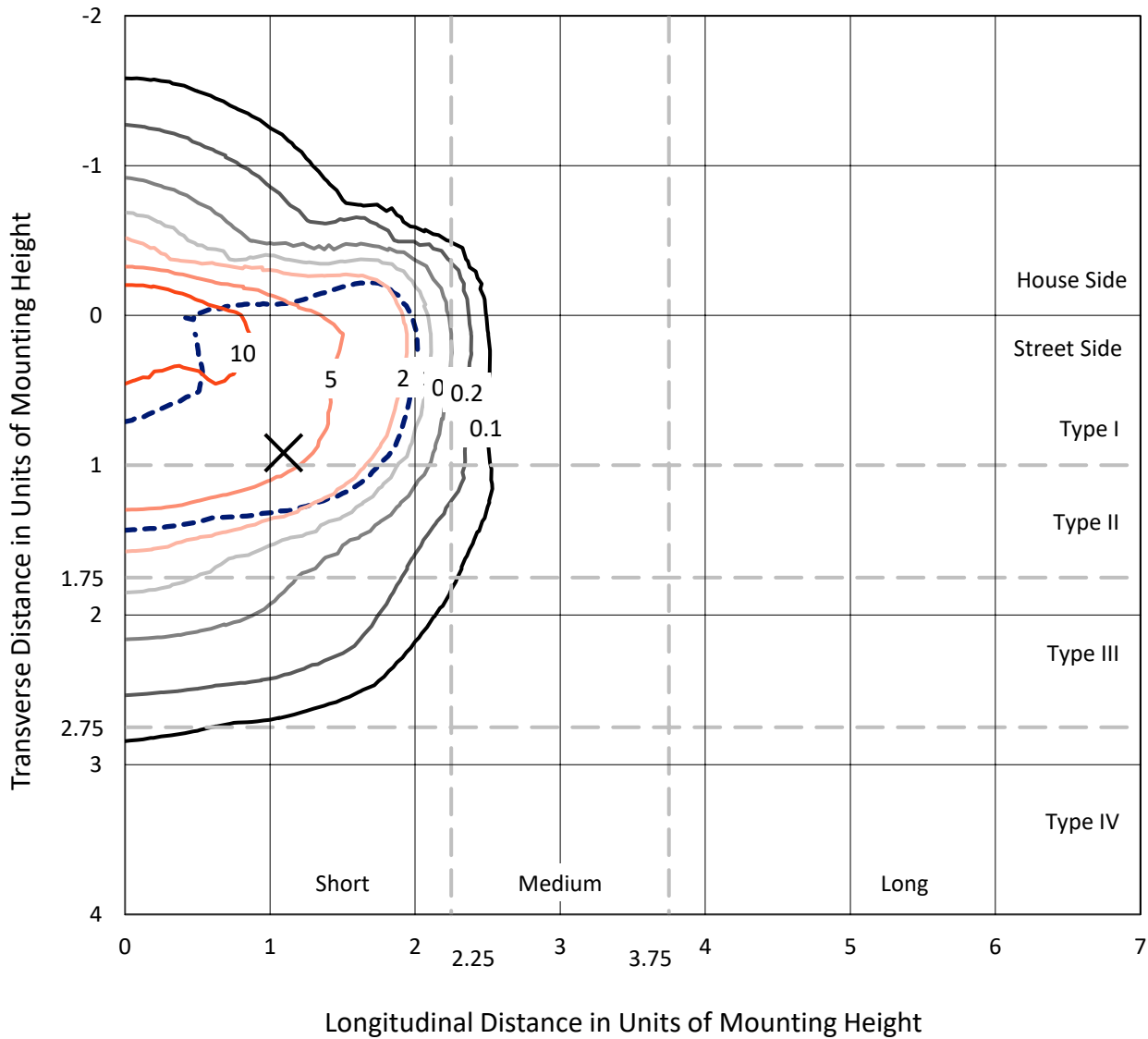
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

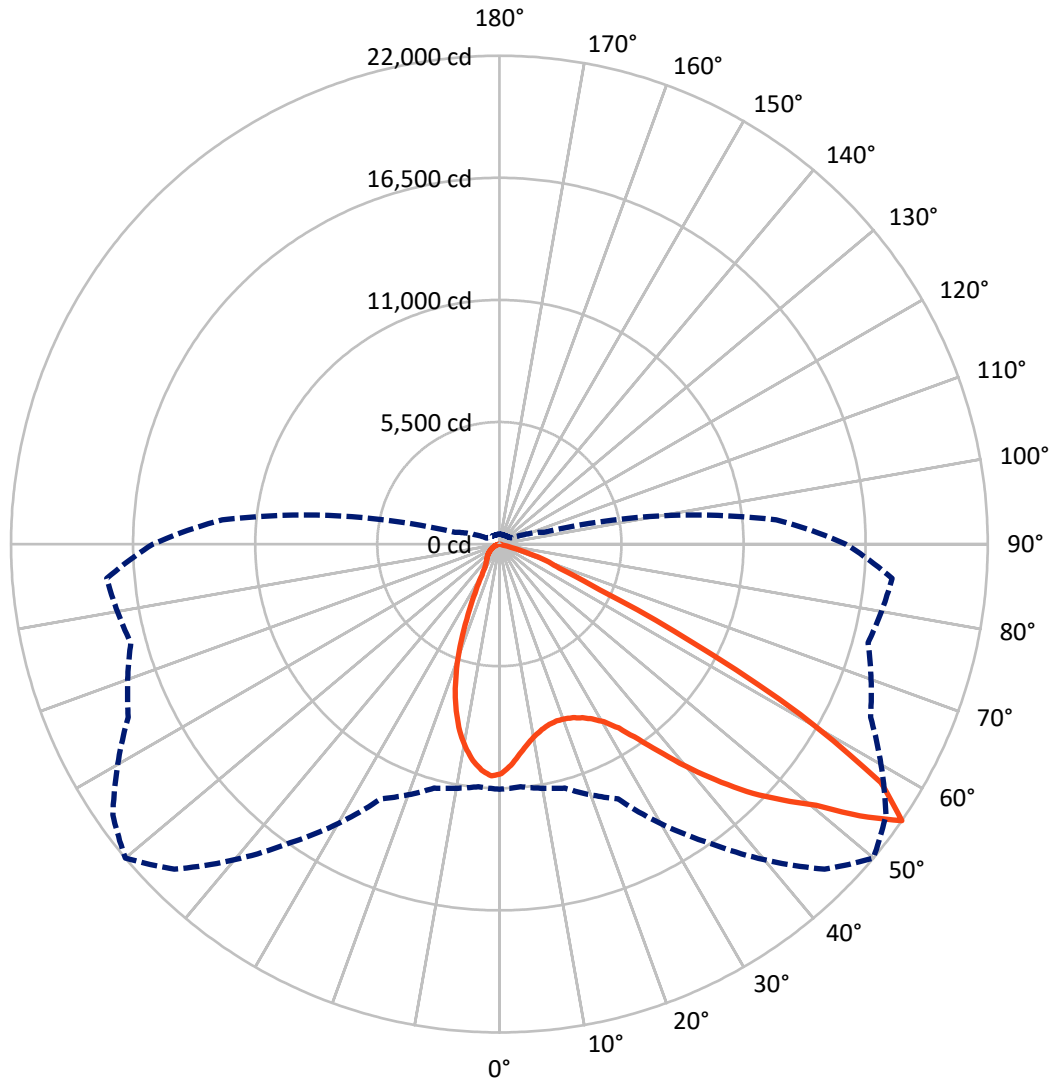
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 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	5809.8	0.0	5809.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	23674.6	0.0	23674.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	29484.4	0.0	29484.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	908.5	3.1
10°-20°	2235.6	7.6
20°-30°	3153.4	10.7
30°-40°	4666.5	15.8
40°-50°	6732.2	22.8
50°-60°	7941.1	26.9
60°-70°	3542.4	12.0
70°-80°	304.5	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°	29484.4	100.0
0°-180°	29484.4	100.0

Coefficient of Utilization



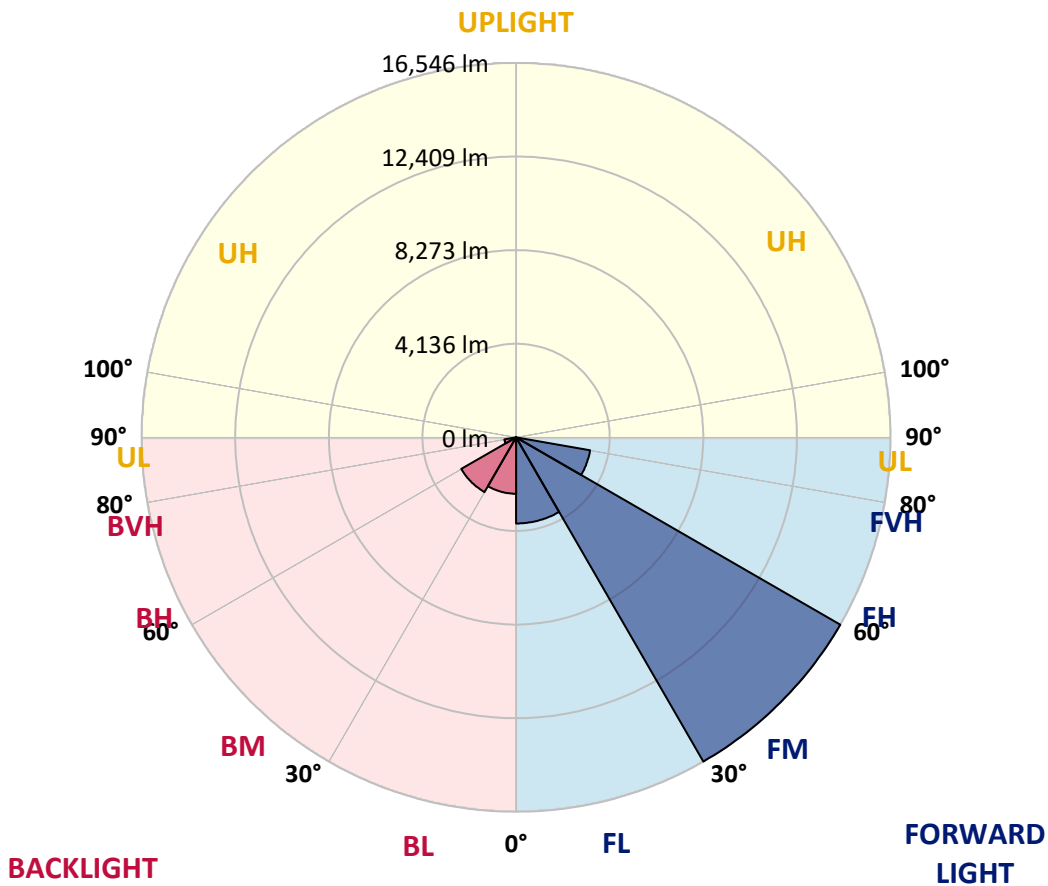
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3806.5	12.9			
FM (30°-60°)	16545.7	56.1			
FH (60°-80°)	3322.4	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2491.0	8.4	B3/2500		
BM (30°-60°)	2794.1	9.5	B3/5000		
BH (60°-80°)	524.6	1.8	B2/1000		G2/1000
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°	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8
2.5°	9610.5	9617.7	9621.3	9718.5	9754.5	9898.4	9974.0	10013.6	10118.0	10240.4	10341.2
5°	8966.2	8955.4	8973.4	9095.8	9175.0	9387.3	9502.5	9581.7	9812.1	10100.0	10341.2
7.5°	8404.7	8426.3	8447.9	8581.0	8699.8	8930.2	9095.8	9214.5	9534.9	9963.2	10370.0
10°	8008.7	8008.7	8041.1	8192.3	8332.7	8617.0	8782.6	8933.8	9315.3	9840.8	10402.4
12.5°	7717.2	7720.8	7760.4	7933.1	8095.1	8390.3	8563.0	8710.6	9131.8	9718.5	10409.6
15°	7580.4	7569.6	7602.0	7785.6	7965.5	8242.7	8422.7	8566.6	9002.2	9650.1	10445.6
17.5°	7544.4	7537.2	7562.4	7742.4	7925.9	8195.9	8372.3	8516.3	8984.2	9671.7	10553.5
20°	7648.8	7634.4	7623.6	7778.4	7951.1	8217.5	8401.1	8563.0	9070.6	9790.5	10719.1
22.5°	7897.2	7897.2	7872.0	7947.5	8062.7	8303.9	8494.7	8707.0	9297.3	10028.0	10963.9
25°	8354.3	8318.3	8271.5	8303.9	8289.5	8440.7	8667.4	8962.6	9725.7	10420.4	11262.6
27.5°	8876.2	8908.6	8829.4	8833.0	8707.0	8653.0	8915.8	9362.1	10362.8	10974.7	11705.4
30°	9585.3	9560.1	9563.7	9552.9	9261.3	9005.8	9290.1	9884.0	11165.4	11820.5	12281.3
32.5°	10139.6	10175.6	10294.4	10362.8	9981.2	9570.9	9873.2	10593.1	12079.7	12785.2	12986.7
35°	10726.3	10791.1	11032.3	11255.4	10935.1	10463.5	10787.5	11532.6	12940.0	13739.0	13796.6
37.5°	11345.4	11475.0	11762.9	12155.3	12104.9	11687.4	11982.5	12637.6	13616.7	14314.9	14466.1
40°	12054.5	12180.5	12652.0	13217.1	13335.9	13242.3	13339.5	13721.0	14063.0	14340.1	14754.1
42.5°	12832.0	13004.7	13602.3	14358.1	14804.5	14887.2	14660.5	14620.9	14257.3	14052.2	14692.9
45°	13749.8	13951.4	14628.1	15607.1	16316.2	16427.8	16035.5	15527.9	14379.7	13839.8	14509.3
47.5°	14779.3	14970.0	15643.1	16820.1	17874.8	17918.0	17234.1	16417.0	14743.3	14084.6	14649.7
50°	15124.8	15243.6	15826.7	17208.9	19152.6	19483.7	18493.9	17417.7	15474.0	14804.5	15333.6
52.5°	13937.0	13983.8	14491.3	15887.9	18893.4	21020.7	20333.2	18911.4	16773.4	15902.3	16388.2
55°	11043.1	10967.5	11377.8	12659.2	16420.6	20707.5	21999.7	21258.2	18447.1	17190.9	17759.6
57.5°	7724.4	7634.4	7540.8	8408.3	12252.5	17554.4	20272.0	21585.8	20041.6	18468.7	19239.0
60°	6349.4	6263.0	5809.5	5409.9	7407.6	12605.2	15571.1	18044.0	19912.1	18403.9	19192.2
62.5°	5485.5	5435.1	5251.6	4708.1	4358.9	7195.3	9750.9	12119.3	15279.6	14451.7	14494.9
65°	4308.5	4294.1	4420.1	4477.7	3855.0	3981.0	4974.4	6299.0	8260.7	7789.2	7386.0
67.5°	2944.3	2911.9	3149.5	3873.0	3707.4	3142.3	2911.9	2937.1	3574.2	2184.9	1734.9
70°	1871.7	1796.1	1799.7	2400.8	3016.3	2480.0	2246.0	1976.1	1778.1	323.9	367.1
72.5°	1198.6	1151.8	989.8	1083.4	1396.6	1209.4	1220.2	1051.0	701.9	172.8	201.6
75°	503.9	464.3	356.3	284.4	280.8	176.4	154.8	144.0	97.2	97.2	104.4
77.5°	3.6	0.0	0.0	3.6	7.2	3.6	3.6	7.2	14.4	21.6	25.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
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°	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8	10344.8
2.5°	10402.4	10316.0	10413.2	10449.2	10445.6	10449.2	10344.8	10272.8	10269.2	10179.2	10136.0
5°	10442.0	10373.6	10445.6	10398.8	10287.2	10146.8	9959.6	9797.7	9725.7	9621.3	9570.9
7.5°	10517.5	10445.6	10434.8	10247.6	9970.4	9675.3	9344.1	9049.0	8890.6	8699.8	8710.6
10°	10571.5	10488.7	10348.4	9966.8	9506.1	9034.6	8541.5	8102.3	7825.2	7569.6	7526.4
12.5°	10593.1	10470.7	10143.2	9567.3	8919.4	8303.9	7580.4	6954.1	6522.2	6187.4	6140.6
15°	10632.7	10434.8	9880.4	9085.0	8195.9	7324.8	6403.4	5546.7	4974.4	4589.3	4621.7
17.5°	10693.9	10395.2	9585.3	8545.1	7418.4	6187.4	4942.0	3959.4	3433.9	3210.7	3214.3
20°	10780.3	10348.4	9261.3	7951.1	6486.2	4902.4	3455.5	2714.0	2566.4	2559.2	2548.4
22.5°	10895.5	10301.6	8915.8	7299.6	5381.2	3433.9	2300.0	2069.7	2130.9	2249.6	2271.2
25°	11032.3	10244.0	8530.7	6565.4	4175.3	2253.2	1724.1	1688.1	1835.7	1994.1	2030.1
27.5°	11244.6	10215.2	8091.5	5730.3	2929.9	1616.1	1411.0	1432.6	1565.8	1698.9	1731.3
30°	11604.6	10269.2	7612.8	4794.4	1882.5	1288.6	1223.8	1256.2	1328.2	1396.6	1425.4
32.5°	12094.1	10427.6	7148.5	3772.2	1342.6	1119.4	1105.0	1123.0	1151.8	1191.4	1202.2
35°	12666.4	10701.1	6669.7	2699.6	1108.6	1022.2	1007.8	1007.8	1022.2	1029.4	1033.0
37.5°	13137.9	10989.1	6219.8	1796.1	993.4	946.7	925.1	914.3	910.7	917.9	921.5
40°	13343.1	11107.8	5730.3	1306.6	910.7	878.3	845.9	813.5	813.5	838.7	842.3
42.5°	13199.1	10974.7	5165.2	1079.8	853.1	806.3	755.9	727.1	741.5	766.7	773.9
45°	12893.2	10647.1	4542.5	953.8	795.5	734.3	676.7	658.7	673.1	705.5	712.7
47.5°	12842.8	10431.2	3797.4	871.1	734.3	673.1	611.9	593.9	611.9	637.1	644.3
50°	13343.1	10618.3	2969.5	799.1	676.7	608.3	557.9	539.9	550.7	565.1	572.3
52.5°	14257.3	11313.0	2397.2	730.7	608.3	543.5	511.1	489.5	489.5	503.9	507.5
55°	15607.1	12526.0	2069.7	651.5	529.1	493.1	464.3	442.7	442.7	449.9	453.5
57.5°	17162.1	13994.6	2145.3	547.1	464.3	446.3	421.1	403.1	410.3	410.3	410.3
60°	16946.1	13886.6	2296.4	460.7	410.3	403.1	381.5	374.3	392.3	377.9	370.7
62.5°	12482.8	9592.5	1202.2	377.9	352.7	345.5	331.1	345.5	370.7	331.1	316.7
65°	6061.4	4643.3	482.3	309.6	298.8	291.6	284.4	306.0	320.3	259.2	244.8
67.5°	1425.4	1159.0	313.2	262.8	248.4	234.0	241.2	244.8	234.0	176.4	169.2
70°	370.7	363.5	244.8	219.6	198.0	183.6	183.6	180.0	154.8	111.6	104.4
72.5°	201.6	198.0	176.4	165.6	136.8	122.4	126.0	111.6	86.4	64.8	61.2
75°	100.8	108.0	100.8	93.6	75.6	68.4	68.4	61.2	43.2	25.2	25.2
77.5°	21.6	25.2	25.2	21.6	18.0	14.4	14.4	18.0	7.2	0.0	0.0
80°	3.6	3.6	3.6	3.6	3.6	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)