

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: P628635

Luminaire Tested: GWS-SA1A-722-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-722-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

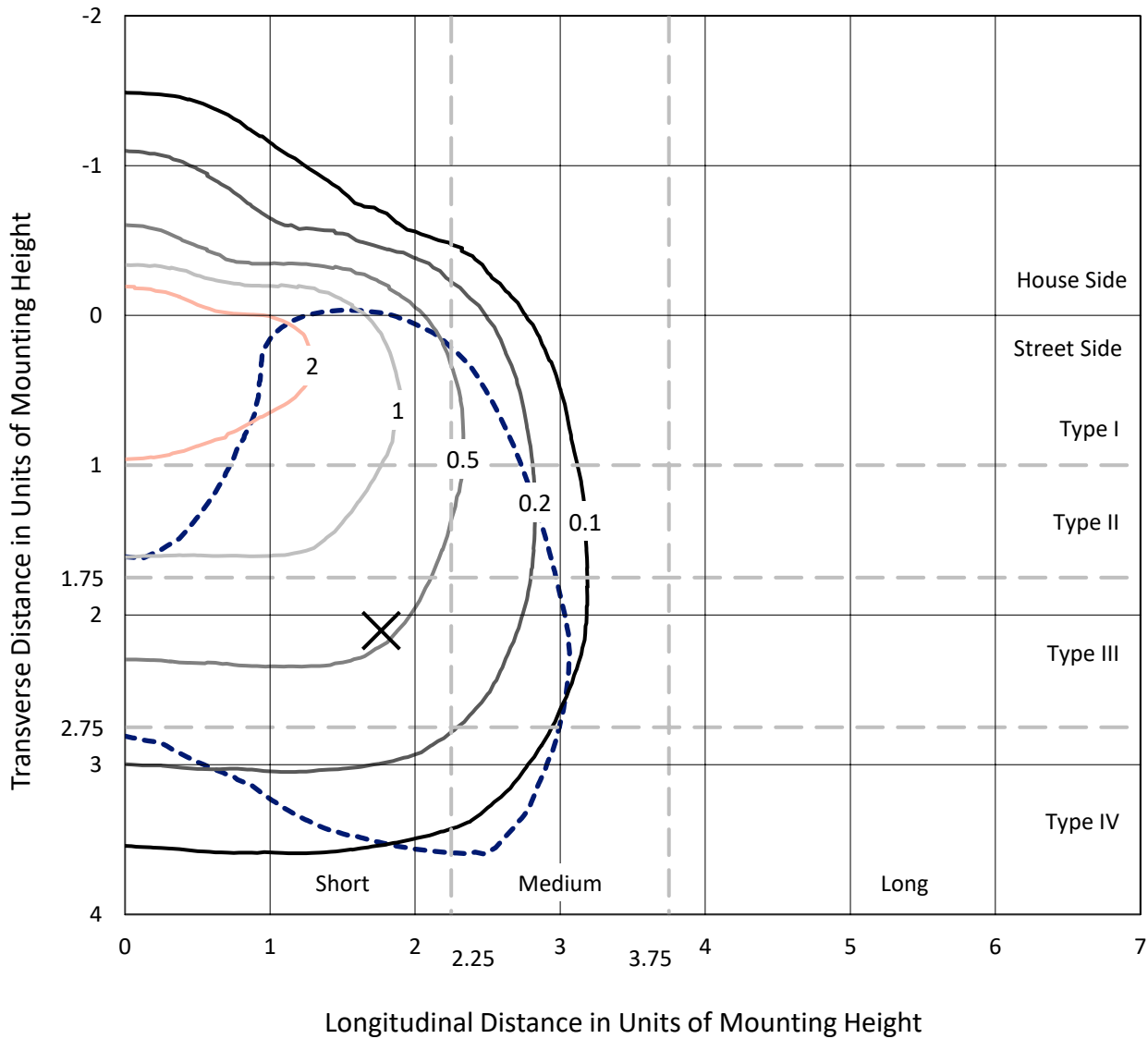
Lumens per Lamp: N/A  
Luminaire Lumens: 2011.7 lumens  
Efficiency: N/A  
Efficacy: 102.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

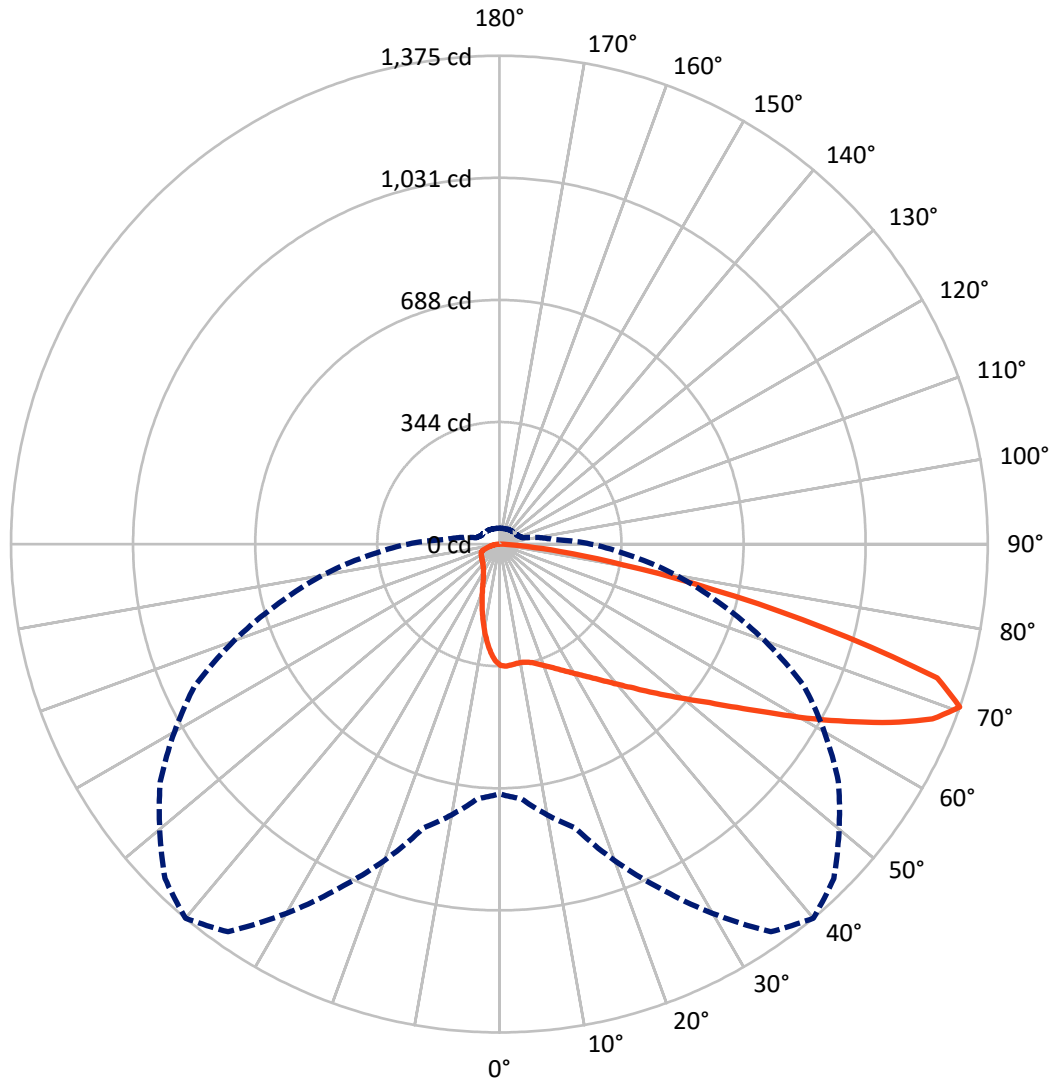
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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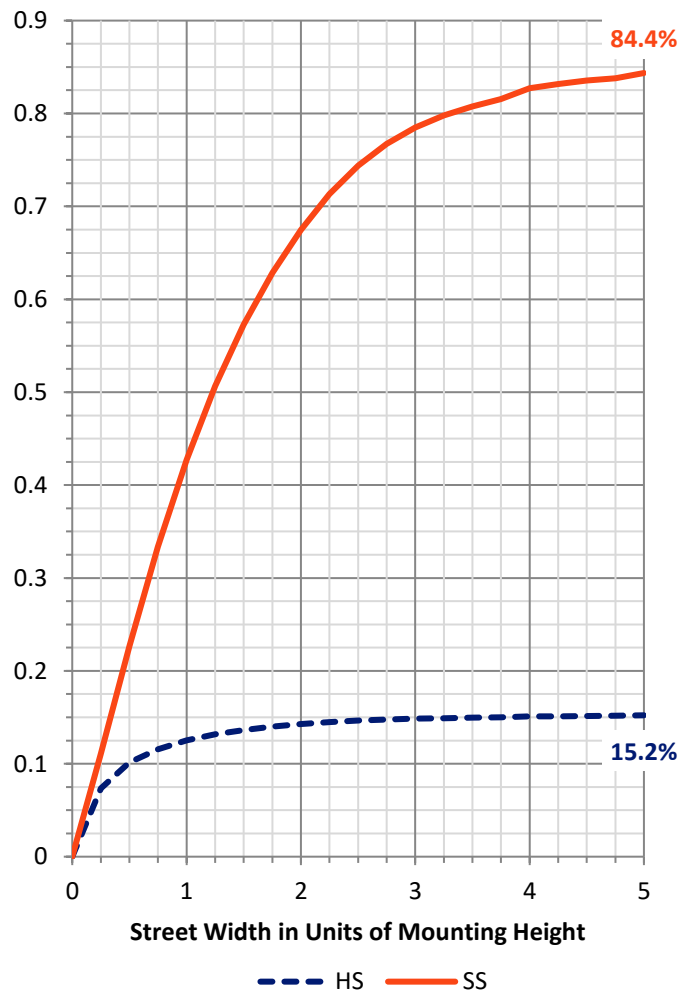
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	309.9	0.0	309.9
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	1701.8	0.0	1701.8
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	2011.7	0.0	2011.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.2	1.5
10°-20°	78.7	3.9
20°-30°	123.5	6.1
30°-40°	185.7	9.2
40°-50°	286.6	14.2
50°-60°	425.7	21.2
60°-70°	536.6	26.7
70°-80°	310.3	15.4
80°-90°	34.4	1.7
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°	2011.7	100.0
0°-180°	2011.7	100.0

**Coefficient of Utilization**



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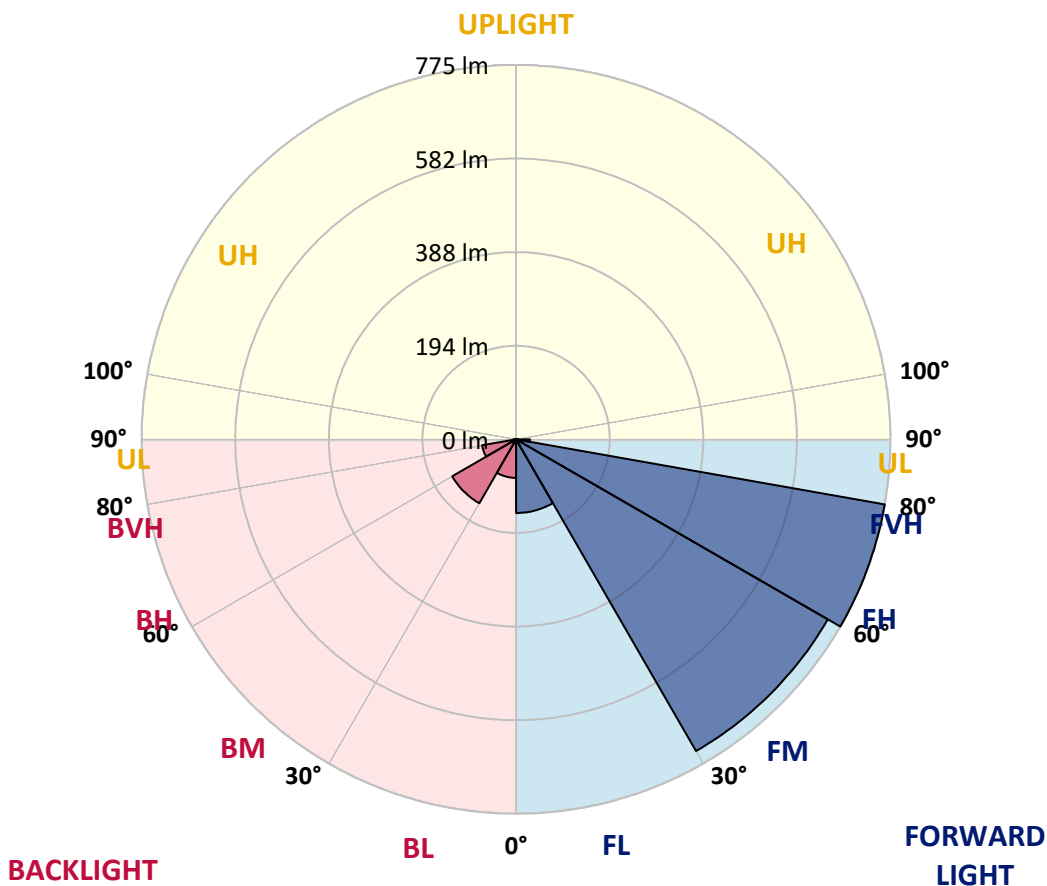
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.5	7.6			
FM (30°-60°)	745.3	37.0			
FH (60°-80°)	775.4	38.5			G1/1800
FVH (80°-90°)	28.7	1.4			G1/100
BL (0°-30°)	79.9	4.0	B0/110		
BM (30°-60°)	152.7	7.6	B0/220		
BH (60°-80°)	71.5	3.6	B0/110		G0/110
BVH (80°-90°)	5.8	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6
2.5°	343.7	344.3	344.8	345.4	345.1	344.2	344.9	344.9	343.3	341.5	339.8
5°	344.2	344.9	344.8	344.6	343.4	341.9	341.9	341.0	338.2	335.3	332.6
7.5°	343.3	343.1	343.0	342.5	341.2	339.5	339.2	337.4	333.7	329.7	325.8
10°	339.2	339.1	339.5	340.6	340.3	338.8	338.8	337.1	332.8	327.9	322.8
12.5°	335.9	335.9	337.7	340.6	341.6	341.0	341.2	340.0	335.0	329.3	323.3
15°	336.4	336.5	340.4	345.1	347.0	346.6	346.7	345.4	339.8	334.1	326.0
17.5°	339.4	340.1	346.9	353.3	355.9	355.3	354.2	352.0	345.7	339.2	329.3
20°	345.7	346.9	355.6	363.7	366.7	365.3	363.5	359.0	352.1	345.1	332.9
22.5°	358.1	358.9	368.5	376.4	378.8	377.2	373.6	367.1	359.2	351.8	337.3
25°	375.7	376.6	385.8	393.1	392.5	390.6	385.6	377.6	368.2	360.4	343.6
27.5°	396.6	398.1	407.1	412.9	409.0	406.2	400.6	391.0	380.4	373.3	353.2
30°	419.4	420.0	427.7	433.5	427.5	423.6	416.8	406.5	396.9	391.6	367.6
32.5°	441.5	442.1	448.7	452.0	445.7	442.8	437.0	426.0	419.2	416.4	389.1
35°	464.7	464.6	470.0	472.8	466.4	465.2	459.2	450.8	449.6	453.3	420.4
37.5°	488.0	486.7	489.5	493.3	489.7	490.9	487.0	484.1	488.8	498.5	462.2
40°	506.6	506.6	509.6	514.3	515.5	520.7	518.5	522.2	537.3	560.5	513.8
42.5°	523.2	523.3	529.6	536.8	545.5	553.6	555.4	565.2	596.3	632.8	578.7
45°	540.4	540.6	549.1	559.6	578.1	593.6	597.2	619.1	663.5	708.0	649.1
47.5°	560.4	558.7	570.6	588.2	614.4	636.7	646.0	677.1	733.2	787.9	715.5
50°	582.9	579.5	592.7	623.0	655.4	685.9	701.5	737.1	808.0	861.6	778.0
52.5°	608.3	606.3	620.2	657.1	706.6	741.8	763.0	809.7	880.7	935.0	827.5
55°	639.8	635.2	655.1	702.1	766.7	811.5	836.5	881.4	960.1	1001.7	865.4
57.5°	674.4	669.3	696.0	758.4	844.8	893.9	925.3	962.2	1034.9	1052.8	887.6
60°	711.6	709.9	741.6	824.5	937.9	994.9	1017.6	1051.1	1099.9	1082.3	882.0
62.5°	745.7	745.1	791.2	896.1	1036.5	1099.3	1117.3	1126.2	1146.8	1080.4	837.9
65°	781.6	786.7	849.0	979.2	1149.6	1211.2	1218.7	1196.2	1162.5	1029.2	747.5
67.5°	786.1	796.0	885.3	1057.0	1256.8	1314.9	1308.9	1222.7	1116.0	886.7	585.9
70°	703.0	720.3	827.4	1068.8	1332.4	1375.1	1331.8	1165.5	947.0	642.4	368.5
72.5°	587.4	602.3	696.9	911.5	1234.9	1289.4	1230.7	986.5	669.3	368.5	187.7
75°	457.2	474.5	561.7	724.5	924.5	946.3	916.9	688.0	367.9	152.0	85.3
77.5°	279.0	291.5	359.3	490.9	646.9	614.3	520.6	385.8	161.4	72.8	52.7
80°	123.4	131.1	177.0	263.7	373.7	353.3	278.5	164.7	88.3	46.2	36.8
82.5°	66.2	71.2	87.2	104.4	164.1	171.6	139.2	94.9	47.4	26.4	21.0
85°	29.1	32.0	39.6	37.8	53.9	53.0	53.5	65.2	22.7	12.2	13.7
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	1.7	8.7	2.3	3.6	3.2
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°	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6
2.5°	338.0	335.3	334.6	333.7	332.0	329.1	327.0	324.6	323.6	322.4	322.5
5°	329.6	326.3	323.1	319.1	314.0	308.3	304.4	299.9	297.5	295.2	295.8
7.5°	322.4	317.3	310.8	302.3	293.1	282.9	274.6	268.2	263.8	260.8	262.3
10°	317.9	311.9	300.6	286.7	271.2	255.6	243.7	232.6	225.7	220.3	220.0
12.5°	317.0	309.2	292.8	272.5	250.2	229.3	211.9	196.9	187.7	180.9	183.5
15°	317.9	308.0	286.1	259.5	231.2	203.0	181.4	164.1	153.2	147.0	146.6
17.5°	318.9	306.8	278.4	245.4	211.4	179.1	154.1	135.7	124.5	118.3	118.5
20°	319.8	305.0	269.4	229.9	191.3	156.9	130.9	113.5	103.5	99.0	99.7
22.5°	321.3	303.2	259.8	213.4	170.7	135.4	112.6	98.5	92.5	89.5	89.6
25°	324.2	302.1	249.9	195.4	150.5	118.3	100.0	90.5	86.8	85.0	84.8
27.5°	330.0	303.0	239.5	177.9	132.1	105.3	91.9	85.7	83.2	82.0	81.8
30°	339.8	306.6	230.5	160.2	116.4	95.1	86.3	82.6	81.1	80.0	79.9
32.5°	354.7	313.4	220.7	143.7	103.6	87.5	82.0	80.0	79.0	78.4	78.4
35°	377.2	325.7	211.1	129.3	93.7	81.7	78.5	77.8	76.9	76.6	76.9
37.5°	409.6	345.4	202.4	116.7	86.6	77.2	74.8	75.1	74.3	74.8	75.2
40°	450.8	371.6	195.1	106.3	81.4	73.9	71.5	72.5	72.1	72.5	73.3
42.5°	502.9	404.2	189.5	98.2	77.6	71.2	68.9	70.0	69.7	70.3	71.0
45°	561.0	447.2	186.9	92.5	74.9	69.2	66.8	67.6	67.3	67.7	68.5
47.5°	616.7	486.2	189.2	89.2	72.7	67.6	65.0	65.3	65.2	65.0	65.5
50°	664.8	517.3	195.7	88.1	71.2	65.9	63.5	63.7	63.2	62.3	62.6
52.5°	703.9	542.2	199.6	88.1	70.4	64.1	61.9	62.0	61.1	59.9	60.1
55°	729.8	552.3	196.4	88.0	70.1	62.6	60.2	60.4	59.5	58.0	58.1
57.5°	737.1	542.5	183.2	86.3	69.8	61.4	58.6	58.9	58.3	56.6	56.6
60°	716.6	506.8	159.0	82.6	69.1	60.7	57.4	57.8	57.5	55.9	55.9
62.5°	662.6	443.3	130.2	76.9	67.0	59.8	56.3	57.2	58.0	57.1	56.9
65°	561.7	355.1	105.9	70.6	64.3	58.3	54.8	57.1	58.7	59.9	59.9
67.5°	421.5	254.2	86.3	64.0	60.2	55.3	52.9	55.0	56.2	56.9	57.4
70°	256.9	149.6	68.0	56.3	54.4	50.8	49.0	46.8	45.2	44.9	45.0
72.5°	125.7	85.6	55.3	47.9	46.4	43.1	39.0	38.1	37.4	36.9	36.8
75°	69.2	59.6	45.6	39.8	37.1	33.0	32.1	30.6	30.3	29.7	29.9
77.5°	49.0	47.0	37.7	32.3	28.2	26.1	26.6	25.5	25.5	25.1	24.9
80°	36.8	36.9	29.0	23.6	20.9	20.1	20.6	20.6	20.3	20.1	20.0
82.5°	23.3	26.3	19.5	15.2	14.9	15.0	14.9	14.7	15.0	14.6	14.4
85°	16.1	18.9	11.9	9.0	9.0	8.9	9.2	9.0	9.3	8.9	8.9
87.5°	3.6	8.4	4.4	2.7	2.9	2.7	2.9	3.0	3.3	3.5	3.5
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)