

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: P628628

Luminaire Tested: GWS-SA1A-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

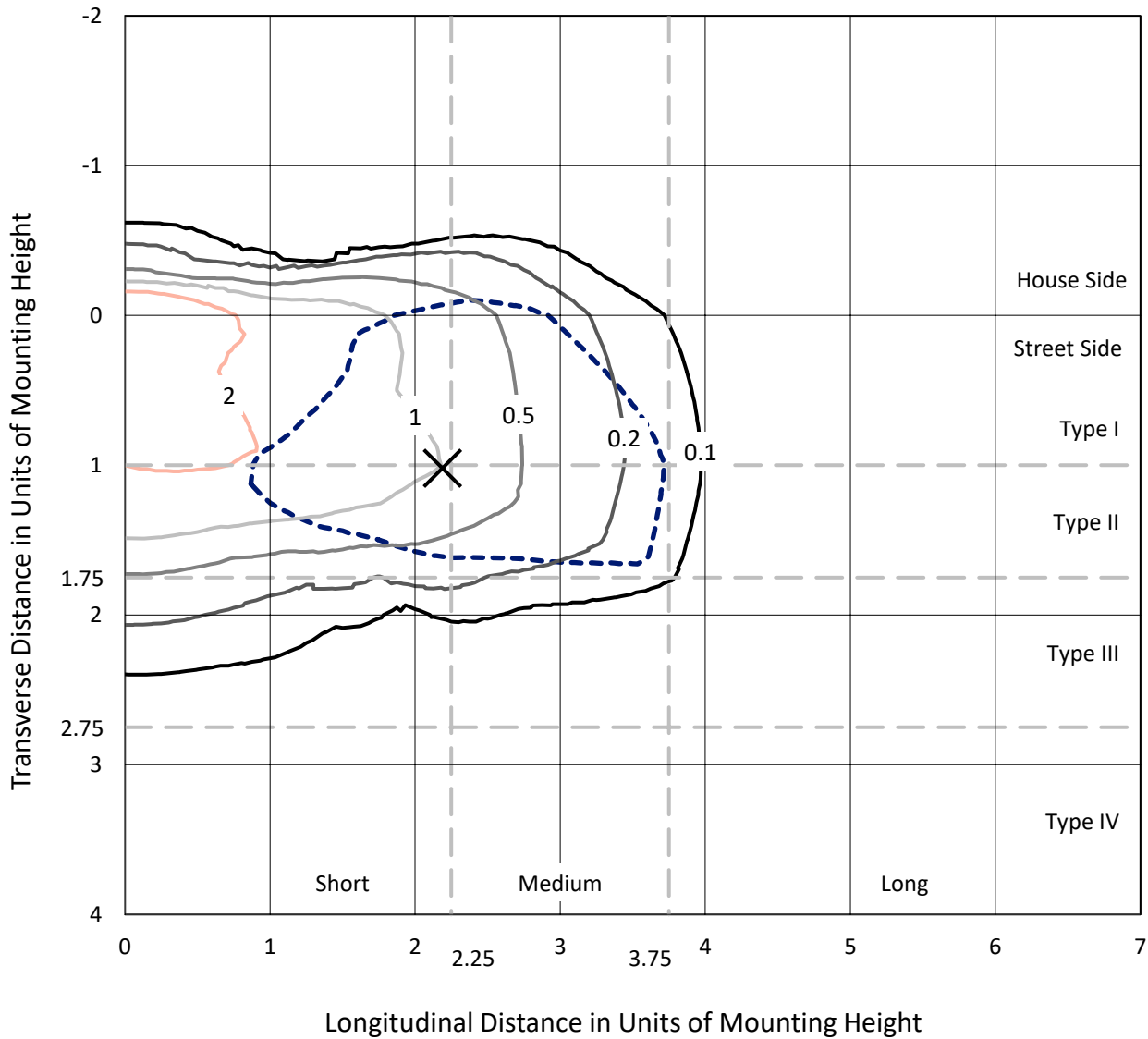
Lumens per Lamp: N/A  
Luminaire Lumens: 1660.5 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

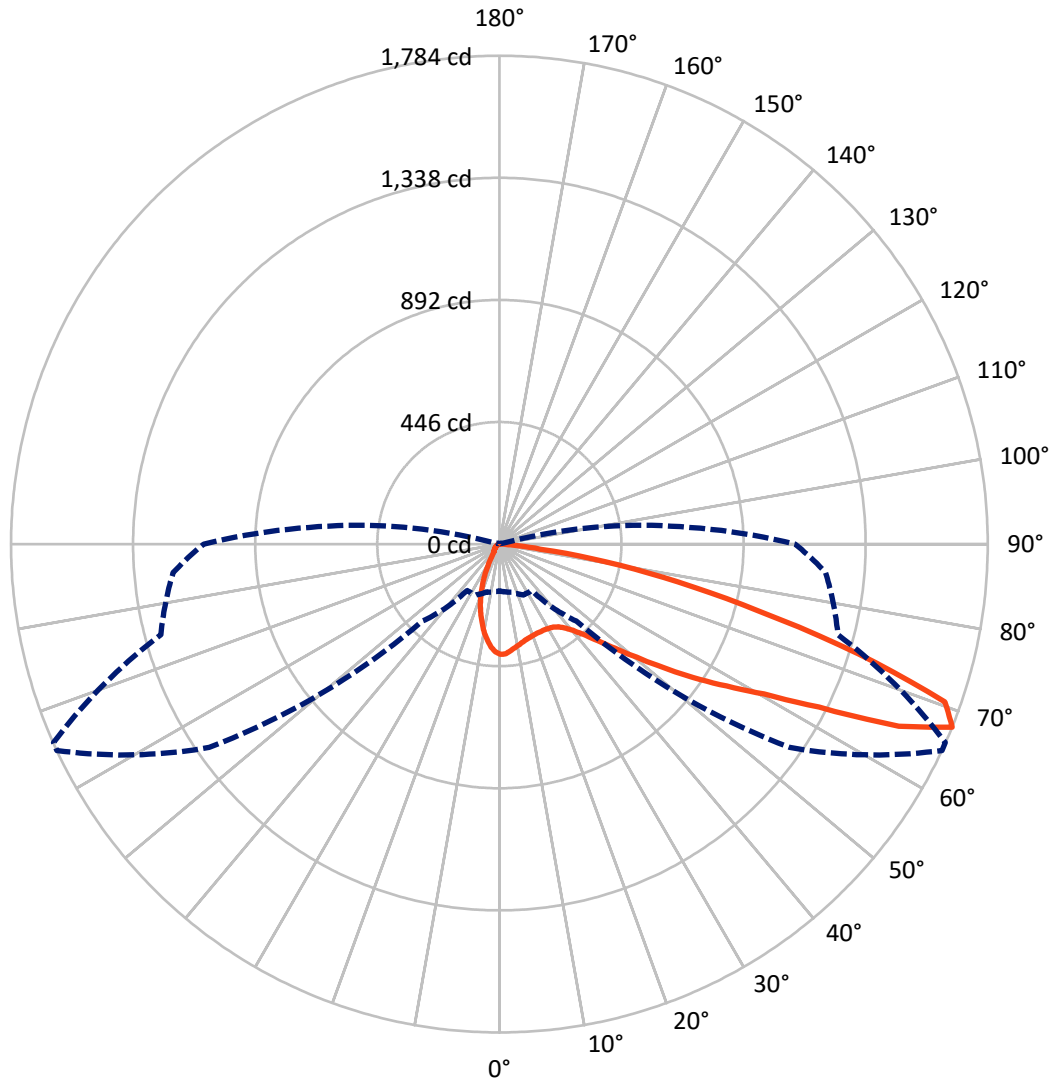
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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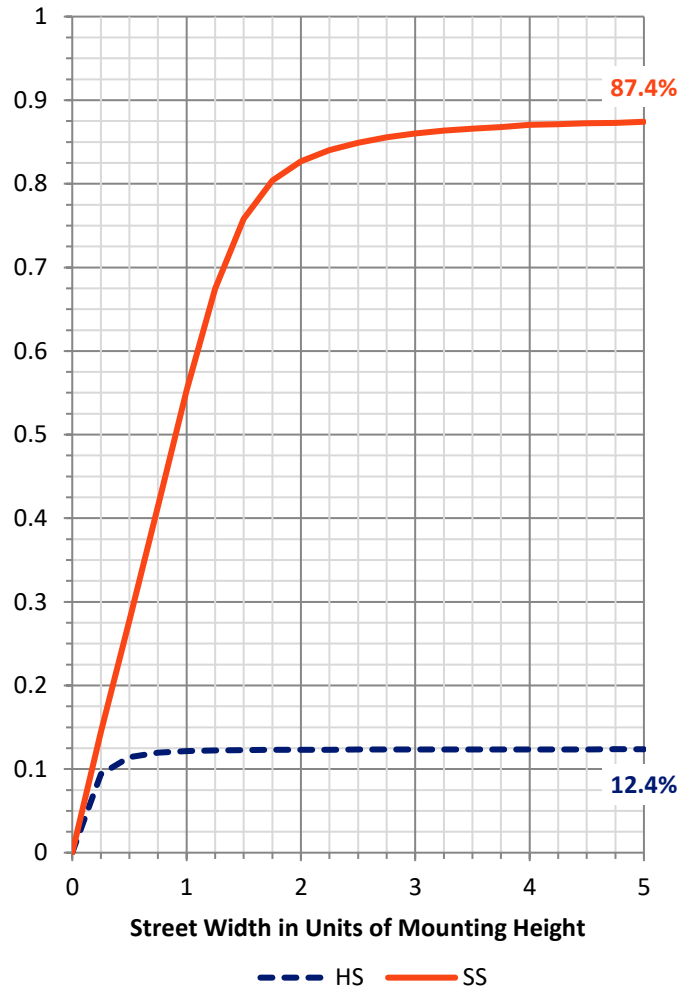
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	207.4	0.0	207.4
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	1453.2	0.0	1453.2
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	1660.5	0.0	1660.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.4	2.0
10°-20°	75.2	4.5
20°-30°	107.4	6.5
30°-40°	156.3	9.4
40°-50°	244.8	14.7
50°-60°	381.9	23.0
60°-70°	419.5	25.3
70°-80°	223.3	13.4
80°-90°	18.6	1.1
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°	1660.5	100.0
0°-180°	1660.5	100.0

**Coefficient of Utilization**



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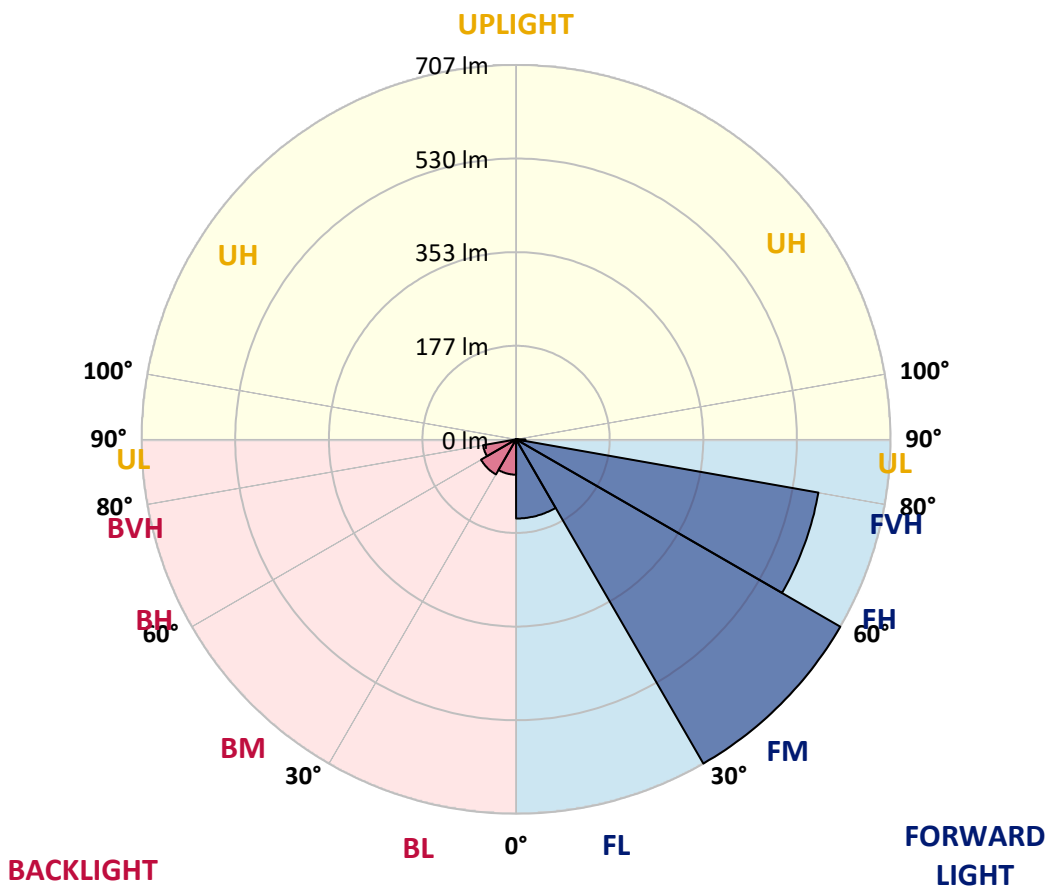
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.4	9.0			
FM (30°-60°)	706.7	42.6			
FH (60°-80°)	579.5	34.9			G0/660
FVH (80°-90°)	17.6	1.1			G1/100
BL (0°-30°)	66.6	4.0	B0/110		
BM (30°-60°)	76.4	4.6	B0/220		
BH (60°-80°)	63.4	3.8	B0/110		G0/110
BVH (80°-90°)	1.0	0.1			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7
2.5°	388.8	390.0	388.3	392.4	393.1	397.6	400.2	402.0	401.8	404.1	404.1
5°	365.9	367.1	366.2	370.6	374.0	381.1	387.0	393.7	394.0	400.9	403.5
7.5°	346.6	346.7	346.7	352.1	356.6	365.3	374.0	384.4	385.6	396.3	403.0
10°	330.6	331.1	331.2	337.4	342.4	352.9	364.0	376.4	377.8	392.2	402.7
12.5°	319.7	319.8	320.4	326.9	332.3	343.3	354.5	368.8	370.6	387.6	401.4
15°	314.4	314.1	314.4	319.8	325.2	335.8	347.3	362.6	364.6	383.7	401.5
17.5°	314.1	313.7	313.4	317.4	320.9	330.2	341.9	358.6	360.7	381.9	403.2
20°	318.5	318.2	316.7	318.5	319.2	326.9	338.5	355.4	357.5	381.6	406.8
22.5°	329.9	329.1	326.9	325.2	321.2	325.7	336.1	353.2	355.6	382.3	411.4
25°	346.9	346.6	343.7	339.7	329.3	327.5	336.2	353.2	355.4	383.2	416.4
27.5°	372.4	370.6	367.0	359.9	345.1	334.6	339.2	354.1	356.3	384.4	420.4
30°	398.4	398.2	397.0	389.8	367.7	348.1	345.5	356.5	358.6	385.5	424.2
32.5°	425.2	425.7	428.7	423.1	399.0	368.2	356.9	361.4	362.9	387.6	427.5
35°	450.8	451.7	459.6	461.6	437.0	398.7	375.5	371.3	371.5	392.2	431.9
37.5°	475.2	478.3	491.0	500.5	484.3	435.6	402.4	388.2	387.0	401.5	438.5
40°	503.0	508.7	524.8	540.9	535.8	484.4	439.1	414.0	411.4	418.6	450.3
42.5°	533.8	540.0	561.3	583.8	586.2	543.4	484.9	451.7	447.3	447.5	472.5
45°	566.8	575.1	599.9	632.3	646.9	609.2	541.3	502.6	498.2	491.8	508.3
47.5°	610.2	617.4	641.3	678.7	706.6	679.8	615.3	568.0	560.1	550.6	563.8
50°	647.6	653.9	674.5	721.4	779.5	770.8	699.3	649.9	642.2	626.2	637.1
52.5°	655.9	660.8	679.8	732.5	835.2	885.6	802.1	748.8	743.4	713.7	717.9
55°	618.8	626.3	643.3	701.8	849.7	997.9	935.6	860.4	849.1	801.7	809.2
57.5°	525.1	538.5	554.4	630.5	810.3	1057.7	1122.1	978.6	968.4	886.4	886.5
60°	384.9	395.7	406.3	476.0	716.6	1053.7	1291.4	1111.3	1092.7	955.6	953.1
62.5°	279.9	285.5	285.3	310.1	492.1	984.3	1380.3	1311.3	1267.9	1029.6	1015.1
65°	220.1	220.0	226.4	234.5	274.8	759.8	1391.2	1603.4	1556.5	1128.9	1098.6
67.5°	171.3	174.6	181.1	205.0	206.5	397.6	1294.8	1784.0	1783.1	1280.4	1196.3
70°	132.1	136.6	145.8	180.6	190.7	222.5	968.8	1726.8	1741.4	1348.1	1127.1
72.5°	84.8	84.5	98.1	146.0	183.2	185.4	535.8	1371.7	1388.2	1221.1	911.3
75°	47.4	47.8	55.4	89.3	170.7	174.5	265.3	978.1	991.2	952.0	700.2
77.5°	18.6	19.2	26.0	47.0	112.6	155.9	157.7	667.0	669.0	590.0	429.5
80°	7.5	8.0	13.2	29.1	68.6	105.0	112.6	393.0	385.0	228.4	124.9
82.5°	2.3	2.4	5.3	16.5	35.9	74.6	76.0	150.8	142.3	49.1	31.8
85°	0.2	0.2	1.2	5.1	12.8	18.8	50.6	49.1	43.5	12.3	14.1
87.5°	0.0	0.0	0.2	0.2	0.3	0.6	5.4	9.0	9.2	2.3	6.3
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°	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7
2.5°	404.1	398.7	398.2	394.0	389.8	384.6	378.4	373.9	370.7	365.2	364.1
5°	403.5	396.3	389.5	377.5	364.1	349.7	337.1	325.4	318.0	313.1	311.0
7.5°	402.3	393.1	377.5	354.8	332.4	307.2	287.6	269.5	257.2	250.0	246.9
10°	401.4	389.1	363.7	329.3	294.6	259.8	229.9	203.2	188.3	176.6	174.6
12.5°	399.6	383.2	346.0	299.4	254.7	208.4	170.3	137.5	114.9	104.7	101.1
15°	397.8	377.0	328.2	267.9	211.1	154.1	107.8	76.3	60.7	55.9	55.6
17.5°	397.5	371.5	309.0	238.0	165.5	100.9	61.4	49.4	46.1	44.9	44.9
20°	398.4	366.8	290.1	203.6	120.6	61.4	45.8	42.8	40.8	39.8	39.8
22.5°	399.3	362.0	271.9	168.9	80.0	44.9	40.4	37.8	35.6	34.4	33.8
25°	399.9	356.8	251.8	134.1	52.3	39.0	35.4	32.1	29.4	27.9	27.9
27.5°	399.7	350.5	231.5	100.0	40.5	34.7	30.3	26.9	24.2	22.5	22.7
30°	398.5	343.6	210.5	69.8	35.4	30.3	26.0	22.4	19.7	18.3	18.2
32.5°	397.6	336.2	186.2	49.1	31.8	26.6	22.1	18.6	16.4	15.3	15.2
35°	396.6	329.0	163.1	37.4	28.7	23.0	18.6	15.8	14.0	13.1	13.1
37.5°	396.9	321.5	138.0	32.1	25.5	20.0	15.9	13.5	12.0	11.1	11.0
40°	401.5	317.0	113.4	29.1	22.7	17.3	13.8	11.7	10.2	9.3	9.2
42.5°	413.1	317.1	89.8	26.9	20.1	14.7	12.0	10.1	8.7	7.7	7.5
45°	436.2	323.4	68.9	24.5	17.4	12.8	10.4	8.6	7.2	6.3	6.2
47.5°	474.0	342.2	52.3	22.4	15.2	11.1	8.9	7.2	6.0	5.3	5.1
50°	534.3	376.1	41.1	19.8	12.8	9.6	7.5	6.0	5.0	4.2	4.1
52.5°	606.6	427.0	35.3	17.6	11.0	8.4	6.5	5.0	4.1	3.5	3.3
55°	689.8	487.9	32.6	15.3	9.3	7.2	5.3	4.1	3.3	2.9	2.6
57.5°	766.1	542.7	32.4	13.1	8.0	6.2	4.4	3.5	2.9	2.3	2.1
60°	840.4	588.5	30.5	10.8	6.9	5.1	3.8	2.9	2.4	2.0	1.8
62.5°	907.9	625.7	25.5	8.7	5.9	4.2	3.2	2.6	2.1	1.7	1.7
65°	992.5	673.2	19.5	7.1	4.8	3.5	2.7	2.3	2.0	1.5	1.5
67.5°	1080.1	698.2	14.0	5.9	3.9	3.0	2.4	2.1	1.7	1.4	1.4
70°	978.3	590.0	10.1	4.8	3.3	2.6	2.1	2.0	1.7	1.4	1.2
72.5°	764.0	425.4	7.5	3.8	2.9	2.4	2.0	1.8	1.5	1.2	1.2
75°	566.5	248.1	5.7	3.0	2.3	2.0	2.0	1.8	1.5	1.2	1.1
77.5°	308.0	86.5	4.4	2.4	1.8	1.5	1.7	1.7	1.4	1.1	0.9
80°	81.5	23.7	3.0	1.8	1.5	1.2	1.2	1.5	1.2	0.9	0.9
82.5°	23.7	6.9	2.1	1.5	1.2	1.1	1.1	1.1	0.9	0.8	0.6
85°	11.6	2.6	1.5	1.2	1.1	0.9	0.8	0.8	0.6	0.5	0.5
87.5°	5.1	1.1	1.2	1.1	1.1	0.8	0.6	0.5	0.5	0.3	0.2
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)