

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: P628821

Luminaire Tested: GWS-SA1A-735-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628821  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-735-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

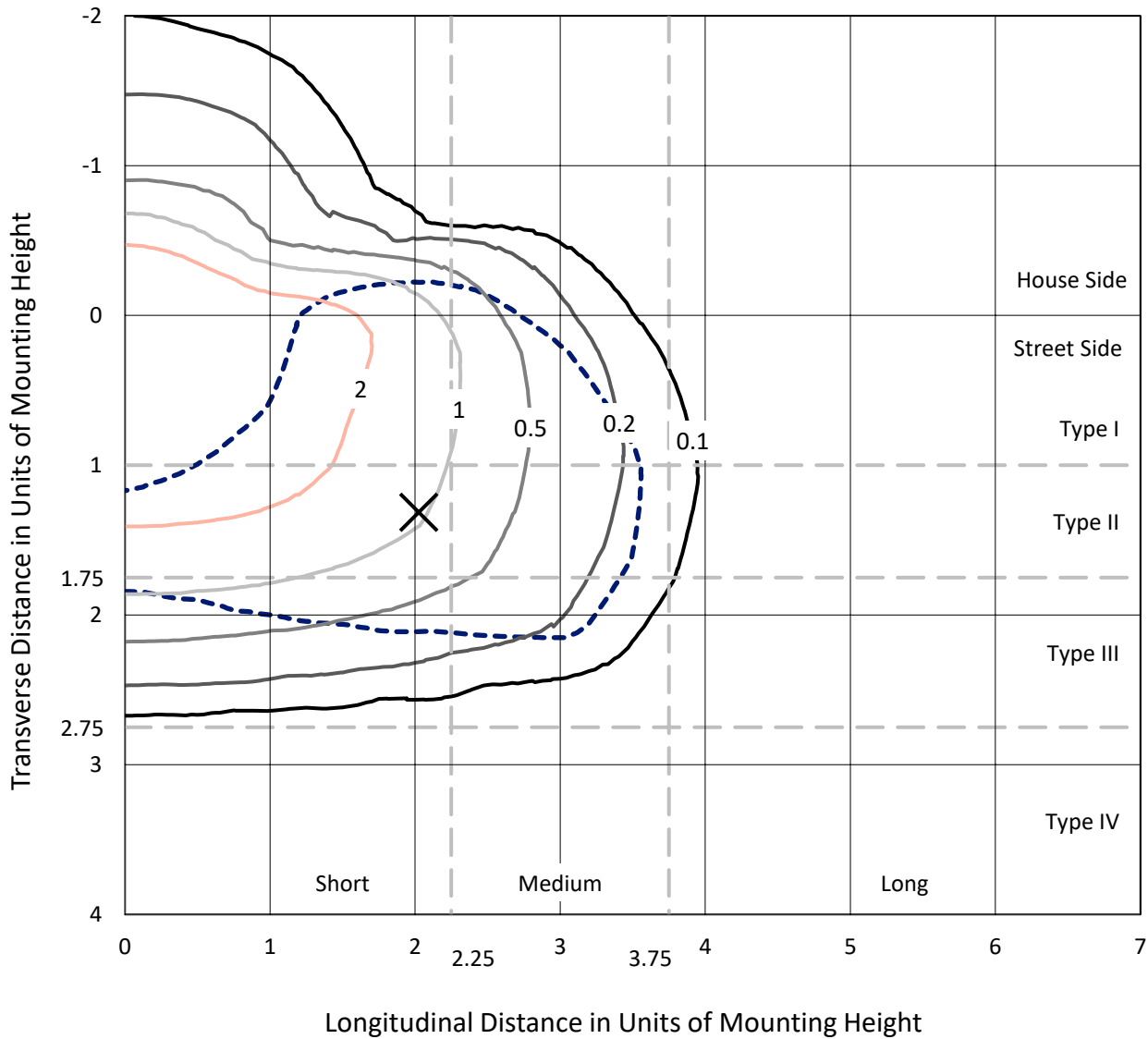
Lumens per Lamp: N/A  
Luminaire Lumens: 2806.7 lumens  
Efficiency: N/A  
Efficacy: 142.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

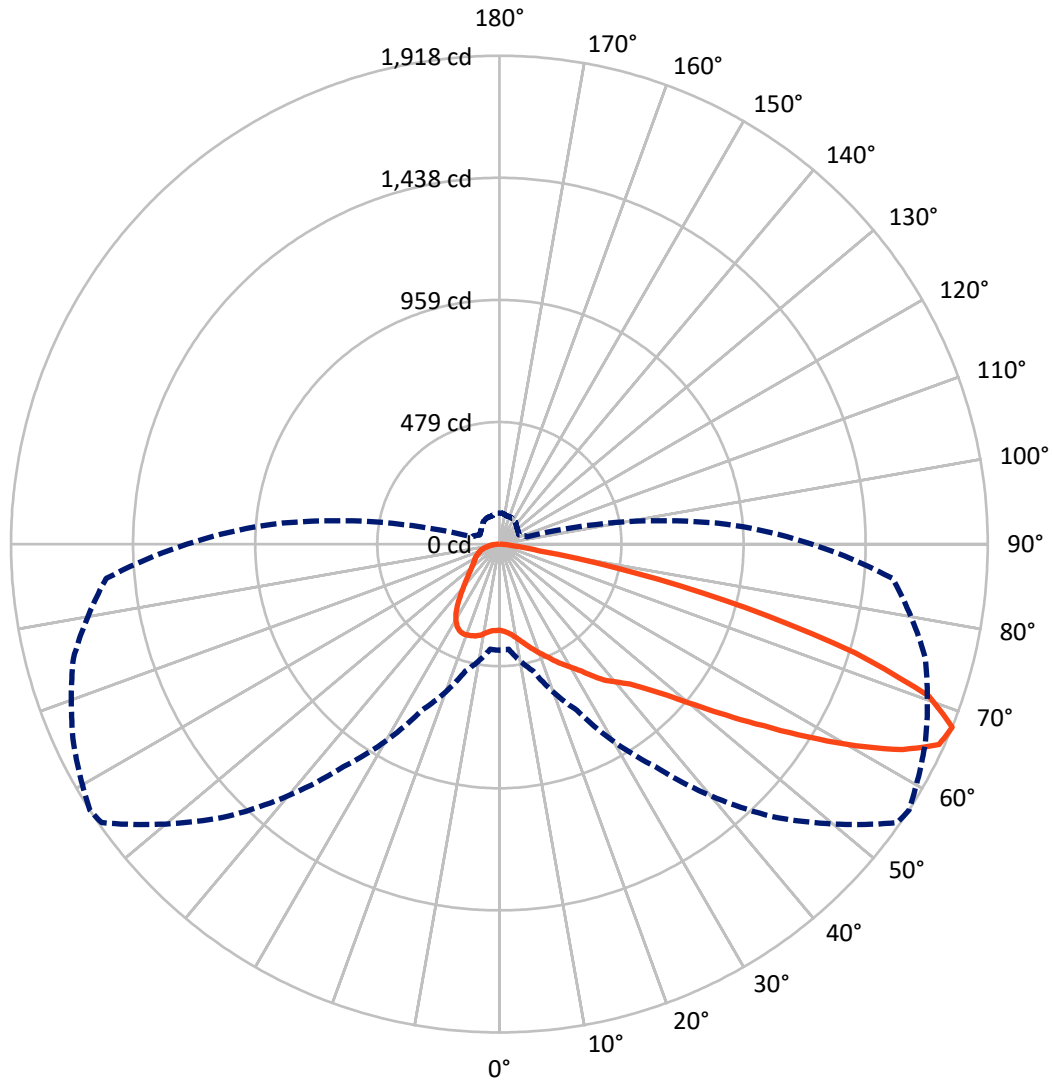
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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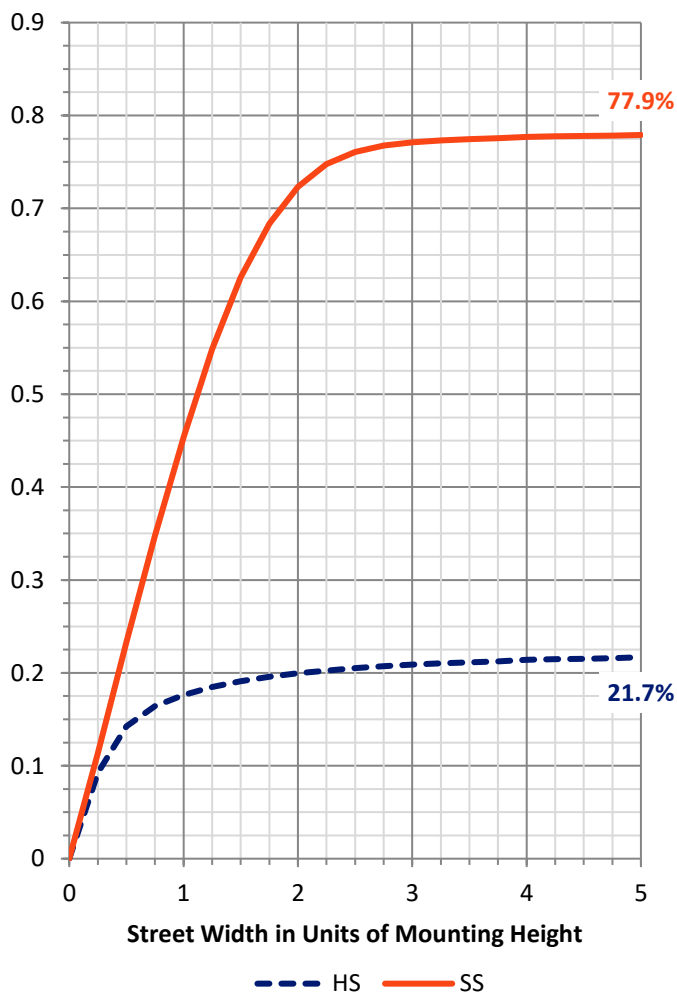
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	617.1	0.0	617.1
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	2189.6	0.0	2189.6
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	2806.7	0.0	2806.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.5	1.2
10°-20°	111.0	4.0
20°-30°	198.0	7.1
30°-40°	287.8	10.3
40°-50°	416.6	14.8
50°-60°	651.9	23.2
60°-70°	760.5	27.1
70°-80°	317.5	11.3
80°-90°	30.0	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°	2806.7	100.0
0°-180°	2806.7	100.0

**Coefficient of Utilization**



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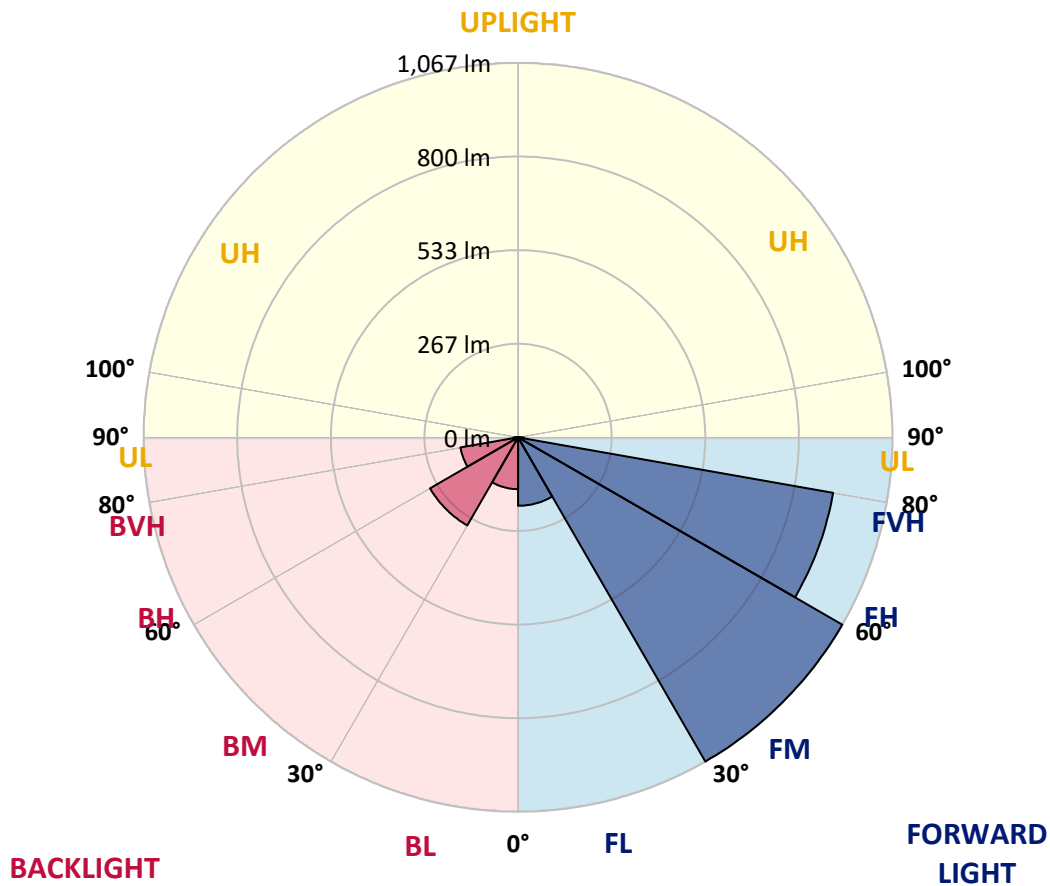
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.0	6.9			
FM (30°-60°)	1066.6	38.0			
FH (60°-80°)	911.4	32.5			G1/1800
FVH (80°-90°)	16.7	0.6			G1/100
BL (0°-30°)	147.6	5.3	B1/500		
BM (30°-60°)	289.7	10.3	B1/1000		
BH (60°-80°)	166.6	5.9	B1/500		G1/500
BVH (80°-90°)	13.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2
2.5°	343.0	342.6	342.4	343.6	343.2	343.0	343.0	342.8	342.4	340.8	338.6
5°	352.5	351.7	350.9	351.9	351.1	350.3	350.1	349.6	348.2	345.8	342.4
7.5°	362.3	361.5	361.7	362.3	361.7	361.3	360.7	360.3	358.1	354.3	349.6
10°	376.2	376.2	376.6	377.2	377.4	376.8	375.6	375.0	372.4	367.5	361.1
12.5°	396.3	395.9	395.9	395.5	396.1	395.5	394.3	393.3	390.1	383.8	374.6
15°	422.8	421.2	419.8	417.2	416.4	414.2	414.6	414.0	411.0	402.5	390.9
17.5°	451.2	451.0	448.8	443.5	438.3	434.7	435.5	435.3	433.7	422.2	407.4
20°	476.1	477.1	475.1	471.1	464.1	457.2	456.8	457.8	455.8	444.3	423.6
22.5°	504.1	503.3	501.3	496.0	490.8	483.6	481.1	480.3	479.5	466.5	440.3
25°	530.6	533.0	530.4	525.6	517.5	509.7	507.7	508.5	506.3	489.0	458.2
27.5°	564.2	565.2	563.6	556.9	550.1	539.1	535.2	535.2	534.4	510.1	472.3
30°	600.0	602.8	600.0	594.5	587.5	571.6	563.4	562.6	560.2	531.8	488.8
32.5°	636.0	638.0	636.0	630.7	622.7	608.8	597.0	595.1	591.9	555.5	505.7
35°	667.9	669.7	669.3	670.5	663.9	646.4	639.2	638.4	629.9	586.5	528.6
37.5°	702.9	705.1	702.1	704.5	701.9	685.4	683.2	679.2	667.1	615.7	552.7
40°	742.7	744.7	739.9	740.9	737.9	728.7	717.4	712.0	694.1	647.2	590.7
42.5°	785.4	790.0	792.2	790.4	783.3	778.1	758.4	751.6	736.7	704.1	653.3
45°	847.1	853.9	857.1	852.5	849.5	842.1	817.9	809.7	801.8	784.3	740.5
47.5°	913.6	919.9	930.1	932.1	934.5	928.9	894.9	886.9	888.3	886.3	847.9
50°	966.7	971.9	995.1	1019.8	1040.3	1041.9	998.5	989.8	997.5	1003.9	977.2
52.5°	1005.3	1009.9	1040.5	1091.6	1138.0	1172.4	1125.6	1115.7	1121.9	1136.4	1124.1
55°	1036.7	1043.1	1075.1	1153.5	1247.4	1301.7	1271.7	1259.3	1256.6	1274.5	1281.6
57.5°	1053.2	1055.2	1100.0	1202.0	1327.6	1428.6	1441.6	1427.5	1402.6	1412.5	1449.1
60°	1015.6	1019.0	1080.3	1214.4	1391.0	1554.4	1620.0	1608.3	1555.2	1560.7	1601.1
62.5°	911.6	916.4	990.2	1155.1	1396.2	1638.5	1784.6	1777.2	1706.0	1676.7	1688.7
65°	731.3	732.9	809.3	1008.3	1292.2	1648.9	1899.4	1897.6	1811.4	1742.6	1690.9
67.5°	417.0	414.2	516.3	719.2	1066.4	1513.0	1906.9	1917.5	1845.6	1731.8	1550.2
70°	180.8	181.2	228.2	354.9	690.2	1222.9	1771.2	1789.5	1746.6	1551.0	1233.3
72.5°	83.6	84.8	105.2	153.6	294.8	758.6	1444.2	1460.7	1423.9	1241.4	897.3
75°	59.1	60.1	70.2	88.1	135.5	295.6	966.1	1000.7	1018.6	928.5	591.3
77.5°	44.8	46.2	51.3	61.1	83.6	104.8	462.2	544.7	648.8	577.7	304.6
80°	28.6	28.6	34.0	40.8	51.1	54.5	133.5	158.2	317.5	238.1	119.6
82.5°	19.3	19.9	23.1	25.9	29.4	31.0	57.3	61.1	91.7	81.0	49.3
85°	10.3	10.7	12.1	11.9	14.1	12.3	24.1	23.9	33.6	36.8	18.7
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	2.6	2.8	7.0	11.3	6.2
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°	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2
2.5°	339.8	337.4	338.6	338.2	339.4	339.4	337.2	336.6	336.8	334.4	333.6
5°	342.8	340.0	340.6	339.8	341.0	342.0	341.0	341.0	342.2	340.4	339.4
7.5°	349.6	346.4	346.4	345.4	346.8	347.6	346.8	348.0	350.3	348.4	347.4
10°	360.5	356.7	356.9	355.7	356.3	355.9	352.7	351.7	352.3	350.7	349.8
12.5°	374.6	369.4	369.4	366.9	365.5	361.3	354.7	352.3	352.7	351.3	350.7
15°	388.1	383.2	382.2	377.4	371.0	363.1	357.1	355.5	355.9	354.5	353.5
17.5°	403.9	397.7	394.1	385.2	373.4	365.3	359.3	355.5	352.3	349.0	348.2
20°	418.6	410.8	404.1	390.5	376.0	364.9	353.7	344.2	336.4	332.2	331.2
22.5°	433.7	423.6	412.0	394.1	375.8	357.7	337.0	322.7	311.0	304.8	306.0
25°	448.0	435.3	419.4	397.5	369.4	341.6	313.5	292.1	278.9	274.0	272.6
27.5°	459.8	444.1	426.3	395.9	356.1	318.5	281.3	257.6	244.7	239.3	237.9
30°	473.1	455.4	436.1	388.5	335.2	286.1	244.9	225.6	216.3	211.1	211.3
32.5°	488.4	469.9	450.0	374.2	308.4	251.1	214.9	201.7	194.2	189.0	188.2
35°	508.9	490.6	459.2	352.7	274.5	219.0	194.4	183.6	174.3	167.5	166.1
37.5°	534.2	521.8	460.2	323.9	238.1	196.8	179.8	168.1	156.8	147.8	146.8
40°	577.7	563.4	452.0	287.9	207.1	182.6	167.5	154.0	140.9	130.9	129.5
42.5°	639.6	610.2	434.3	247.3	183.8	171.3	155.8	138.7	125.5	118.4	117.4
45°	718.4	662.5	407.8	209.1	166.5	160.2	143.6	125.7	118.6	113.6	112.6
47.5°	814.9	723.4	377.2	179.3	153.0	150.2	131.1	121.2	115.0	110.8	109.8
50°	930.3	801.0	352.1	156.0	140.9	138.5	127.1	118.6	113.6	110.2	109.4
52.5°	1062.0	887.3	339.8	139.3	130.5	128.1	125.7	118.0	113.8	111.2	110.2
55°	1198.7	978.2	328.3	126.5	121.6	123.1	125.9	120.0	116.8	113.4	112.4
57.5°	1330.8	1063.4	300.2	116.4	115.2	120.6	126.9	122.0	118.2	114.8	113.6
60°	1421.9	1110.1	252.5	108.4	110.4	117.6	124.3	119.0	114.2	112.8	112.2
62.5°	1446.4	1104.4	196.0	100.1	104.6	111.0	117.4	114.0	109.0	111.2	111.4
65°	1389.1	1044.1	147.2	92.1	96.9	102.3	110.4	109.0	107.2	113.2	113.4
67.5°	1226.9	895.9	112.2	85.0	89.1	95.7	108.2	114.0	114.4	122.0	121.2
70°	928.3	669.3	87.9	78.4	83.0	95.7	115.2	117.8	113.0	120.0	118.4
72.5°	641.8	441.7	74.8	72.6	75.6	91.3	115.0	115.0	109.8	109.8	106.8
75°	398.7	259.8	65.1	65.1	65.1	79.8	111.8	106.0	96.7	92.5	90.1
77.5°	196.8	126.3	54.7	56.7	54.5	66.8	91.3	86.7	81.0	76.6	75.0
80°	84.0	63.1	44.2	46.4	43.8	50.3	72.4	71.4	65.9	60.1	58.3
82.5°	38.6	32.6	35.4	36.4	32.0	37.8	52.9	52.9	49.9	41.8	38.8
85°	16.5	17.3	24.5	24.5	20.1	21.3	28.3	26.9	24.1	19.7	18.1
87.5°	5.6	8.4	12.5	10.9	4.2	1.8	1.0	0.4	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)