

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: P628632

Luminaire Tested: GWS-SA1A-722-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-722-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

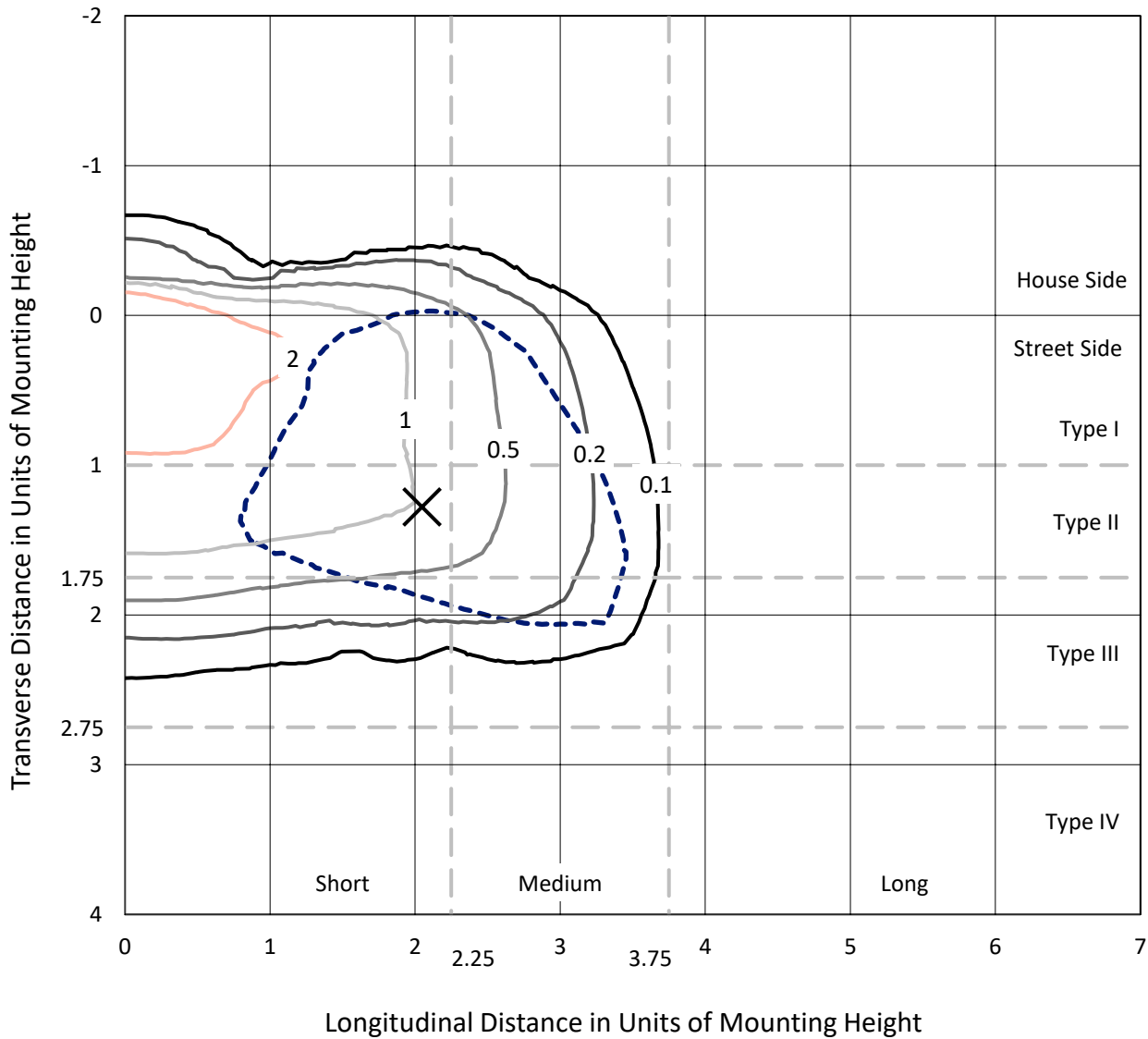
Lumens per Lamp: N/A  
Luminaire Lumens: 1696.5 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

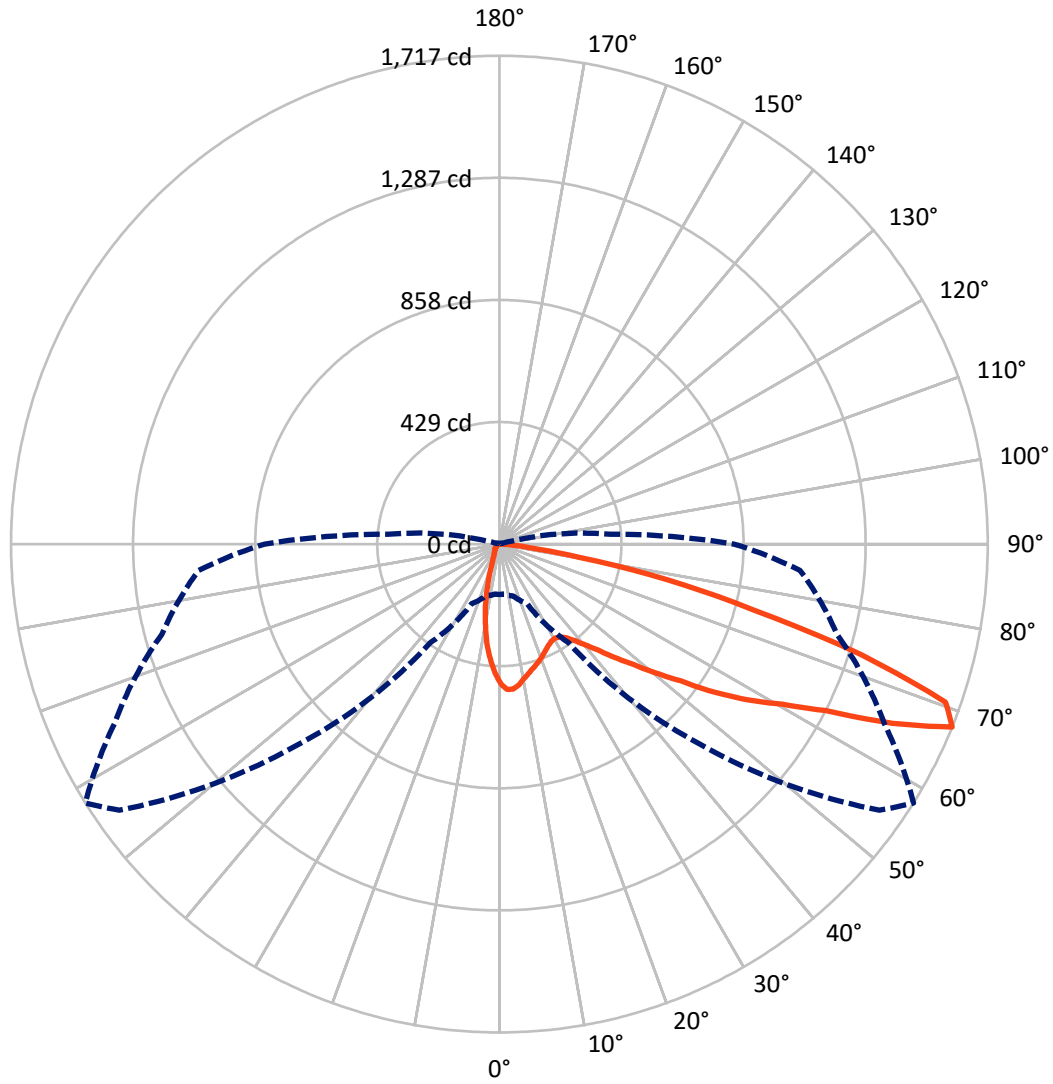
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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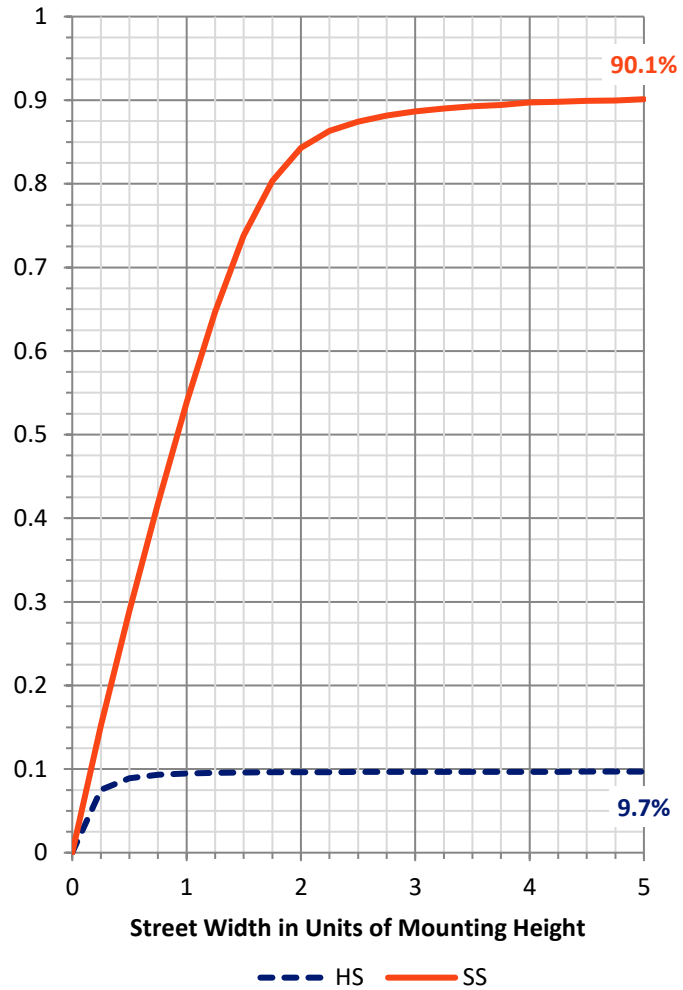
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	165.8	0.0	165.8
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	1530.8	0.0	1530.8
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	1696.5	0.0	1696.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.8	2.3
10°-20°	82.8	4.9
20°-30°	111.6	6.6
30°-40°	156.9	9.2
40°-50°	242.3	14.3
50°-60°	387.4	22.8
60°-70°	458.7	27.0
70°-80°	202.9	12.0
80°-90°	14.2	0.8
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°	1696.5	100.0
0°-180°	1696.5	100.0

**Coefficient of Utilization**

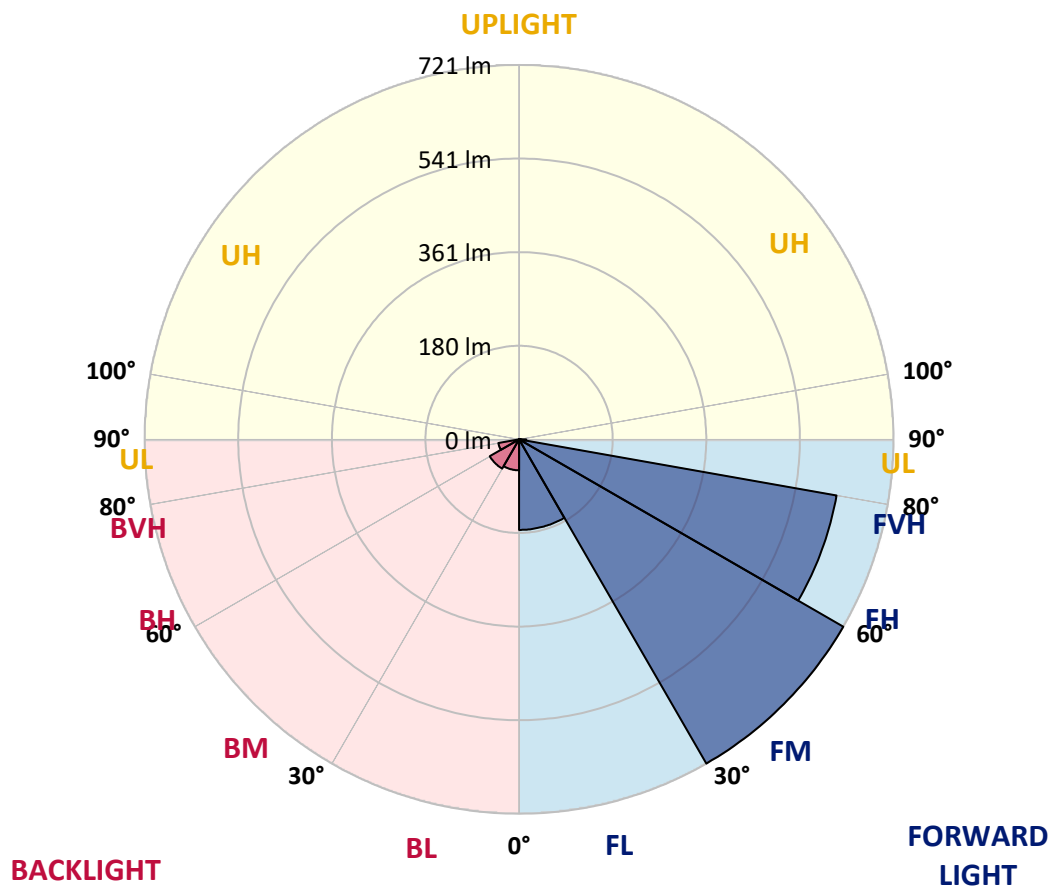


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.5	10.3			
FM (30°-60°)	721.5	42.5			
FH (60°-80°)	621.2	36.6			G0/660
FVH (80°-90°)	13.6	0.8			G1/100
BL (0°-30°)	59.6	3.5	B0/110		
BM (30°-60°)	65.0	3.8	B0/220		
BH (60°-80°)	40.5	2.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4
2.5°	514.7	515.6	516.8	518.3	518.0	516.7	515.0	511.3	508.9	501.4	492.2
5°	498.2	498.1	501.1	503.9	509.0	511.7	515.5	512.0	510.8	501.8	486.9
7.5°	465.9	467.6	471.0	475.5	482.9	490.9	499.9	498.8	502.4	496.4	477.9
10°	434.2	433.3	438.7	445.5	456.8	467.0	480.0	479.9	489.4	488.7	467.7
12.5°	406.5	406.3	410.5	418.2	431.4	445.7	463.4	463.8	475.5	480.3	459.0
15°	383.0	383.3	387.4	395.4	409.0	426.4	447.0	450.8	464.0	473.7	450.5
17.5°	366.4	366.5	368.9	375.8	389.2	407.8	432.6	437.7	454.7	468.8	443.6
20°	358.7	358.1	358.6	362.0	372.4	389.3	417.9	424.5	446.1	465.3	437.2
22.5°	359.8	358.9	356.8	356.3	361.0	373.9	402.3	410.4	436.8	463.2	431.5
25°	369.1	367.1	364.1	359.6	357.8	364.3	388.6	397.0	428.1	463.4	427.2
27.5°	383.3	381.2	377.5	371.5	364.4	361.7	379.3	387.2	421.9	466.8	425.1
30°	401.5	399.9	396.3	389.0	379.6	368.5	377.3	383.9	418.9	473.9	426.0
32.5°	423.0	421.8	418.8	412.2	401.4	384.4	383.9	389.0	421.3	484.1	429.4
35°	443.7	444.2	444.3	440.7	429.1	408.6	402.1	403.9	431.2	499.4	437.2
37.5°	466.1	465.0	470.4	473.0	461.9	439.9	430.2	430.3	450.2	522.1	452.0
40°	483.0	483.3	495.1	505.6	500.9	479.7	465.8	465.6	479.3	553.2	475.7
42.5°	499.0	500.9	518.2	536.2	542.7	523.9	513.8	510.1	520.1	595.2	511.3
45°	515.9	518.8	543.0	568.6	585.6	574.5	566.5	568.0	569.2	644.2	559.2
47.5°	535.7	537.5	567.4	603.6	635.3	632.4	632.9	631.1	630.5	705.9	622.5
50°	559.8	564.0	598.4	641.6	684.9	703.8	710.1	710.8	701.1	773.1	688.2
52.5°	610.8	615.9	645.4	683.2	738.9	778.7	804.4	799.3	784.3	838.3	760.1
55°	671.0	674.9	703.3	742.5	805.0	860.8	921.8	919.7	882.9	906.9	819.2
57.5°	676.7	681.1	725.1	785.2	889.8	962.3	1026.4	1033.2	979.3	955.6	872.1
60°	612.6	621.5	681.5	762.3	922.2	1098.8	1141.2	1142.5	1050.0	1005.0	936.7
62.5°	491.0	495.2	555.7	661.1	872.2	1178.4	1316.4	1287.9	1140.9	1081.4	1038.9
65°	257.4	274.5	327.2	443.9	707.4	1150.6	1527.2	1519.4	1304.2	1190.9	1118.5
67.5°	176.6	176.4	188.9	231.4	421.8	990.7	1630.7	1716.6	1493.1	1228.4	1060.8
70°	134.4	134.8	145.9	173.6	218.5	659.5	1517.2	1664.0	1528.3	1115.3	858.0
72.5°	89.2	90.1	108.6	140.2	174.5	323.3	1179.0	1331.4	1285.9	895.8	603.9
75°	53.3	54.1	67.3	102.0	155.1	180.9	749.1	920.4	885.2	617.4	323.7
77.5°	21.9	22.5	34.5	63.5	113.5	140.5	414.3	602.3	530.2	245.5	88.4
80°	9.2	9.5	16.7	44.4	81.8	88.1	191.9	283.0	217.3	52.9	27.0
82.5°	3.3	3.5	6.2	24.5	50.9	66.4	96.8	111.9	61.3	17.3	14.6
85°	0.2	0.2	1.5	8.3	19.4	18.8	55.4	53.6	20.3	7.2	8.7
87.5°	0.0	0.0	0.2	0.2	0.3	0.8	5.3	9.3	4.4	1.8	3.8
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°	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4
2.5°	486.2	478.2	469.5	461.4	448.5	440.9	431.4	427.2	421.2	419.7	420.6
5°	476.3	462.6	441.8	422.8	398.4	378.7	358.9	350.5	339.6	332.4	329.4
7.5°	462.3	444.5	411.9	377.5	343.9	308.0	280.6	262.6	246.3	237.2	235.4
10°	448.2	424.9	378.2	329.0	276.9	233.9	197.0	169.7	147.5	137.4	129.6
12.5°	433.6	404.7	344.0	279.7	219.2	160.7	115.0	88.4	72.5	66.2	67.3
15°	420.3	385.1	310.1	230.5	154.4	97.0	63.5	53.6	49.9	48.6	48.5
17.5°	407.5	366.7	276.3	182.6	101.8	59.5	48.6	46.2	45.2	44.6	44.6
20°	396.0	349.0	243.2	137.5	65.8	47.1	44.0	42.8	41.9	41.4	41.4
22.5°	385.1	331.8	211.0	97.3	48.5	42.3	40.4	39.2	38.1	37.5	37.5
25°	375.4	316.4	180.2	67.0	41.7	38.7	36.6	35.3	33.5	32.4	32.4
27.5°	368.3	302.6	150.6	48.8	37.7	34.8	32.4	30.6	28.7	27.5	27.2
30°	364.1	290.8	120.7	40.1	33.9	31.1	28.4	26.1	23.9	22.7	22.5
32.5°	361.7	280.0	93.4	35.0	30.8	27.5	24.5	22.1	19.8	18.5	18.3
35°	362.6	271.6	70.0	31.5	27.8	24.3	21.0	18.6	16.7	15.5	15.2
37.5°	370.4	267.9	52.6	28.8	25.2	21.6	18.2	15.9	14.1	13.2	13.1
40°	385.6	268.6	41.3	26.7	23.1	18.9	15.6	13.5	12.2	11.4	11.3
42.5°	409.2	274.9	34.1	24.9	20.9	16.5	13.5	11.9	10.5	9.8	9.6
45°	444.3	288.0	29.7	22.8	18.5	14.3	11.7	10.2	9.0	8.1	8.0
47.5°	495.2	310.7	26.9	20.9	16.4	12.3	10.1	8.6	7.5	6.8	6.6
50°	549.4	337.8	24.5	18.9	14.6	10.7	8.6	7.1	6.2	5.4	5.3
52.5°	607.2	367.1	22.7	17.1	12.9	9.2	7.2	5.9	5.0	4.2	4.1
55°	662.8	396.6	20.6	15.9	11.0	7.8	6.0	4.8	3.9	3.3	3.3
57.5°	716.8	423.6	18.3	14.0	9.0	6.6	5.0	3.9	3.2	2.7	2.6
60°	781.4	461.0	15.8	11.9	7.5	5.6	4.1	3.2	2.6	2.1	2.1
62.5°	877.3	499.9	13.5	9.9	6.3	4.7	3.3	2.6	2.1	1.8	1.7
65°	908.7	478.8	11.4	8.1	5.1	3.8	2.7	2.3	1.8	1.7	1.5
67.5°	824.9	392.5	9.5	6.6	4.2	3.2	2.4	2.0	1.7	1.5	1.4
70°	643.7	278.5	7.4	5.0	3.5	2.6	2.1	1.8	1.5	1.4	1.4
72.5°	437.8	164.7	5.9	3.8	2.9	2.3	1.8	1.7	1.5	1.4	1.2
75°	215.6	58.6	4.5	2.9	2.3	2.0	1.7	1.5	1.4	1.2	1.2
77.5°	58.1	16.2	3.5	2.3	1.8	1.5	1.5	1.5	1.4	1.1	1.1
80°	19.7	6.8	2.6	1.7	1.5	1.2	1.1	1.4	1.2	1.1	0.9
82.5°	10.8	3.3	1.8	1.4	1.1	0.9	0.9	0.9	0.9	0.8	0.8
85°	6.9	1.8	1.2	1.1	1.1	0.8	0.6	0.6	0.5	0.5	0.5
87.5°	3.2	1.1	1.1	0.9	0.9	0.8	0.5	0.3	0.2	0.2	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)