

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: P628633

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

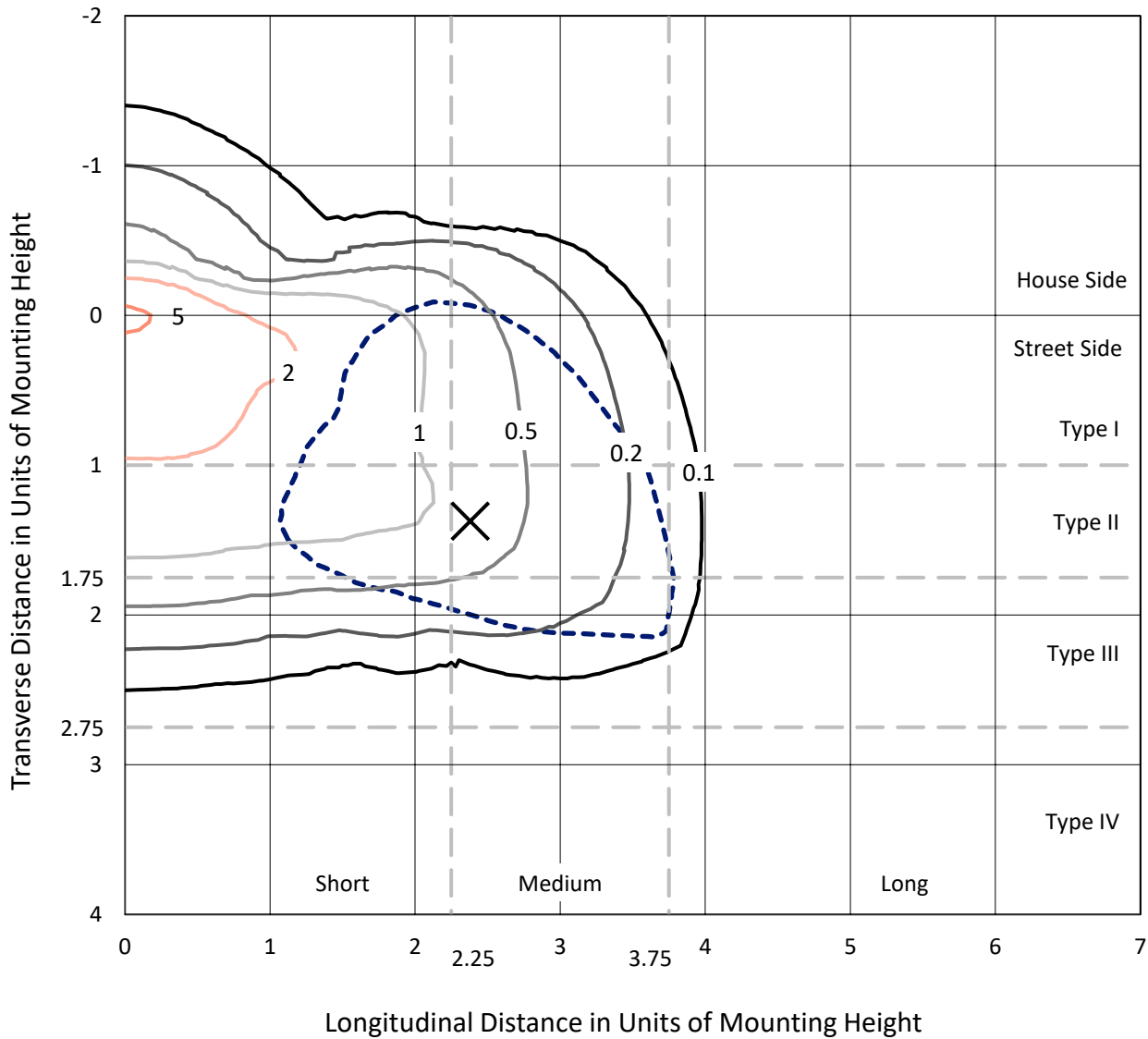
Lumens per Lamp: N/A  
Luminaire Lumens: 2052.4 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

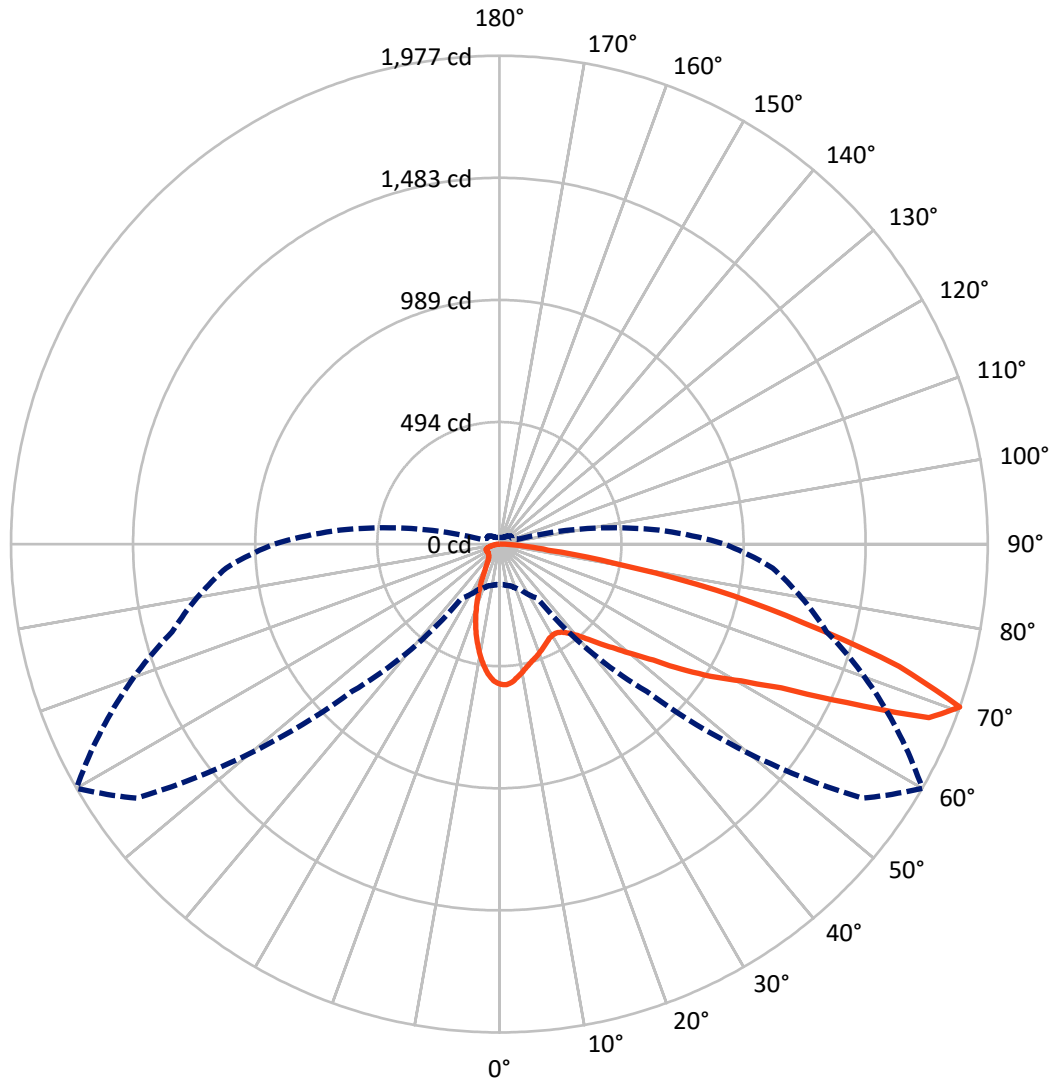
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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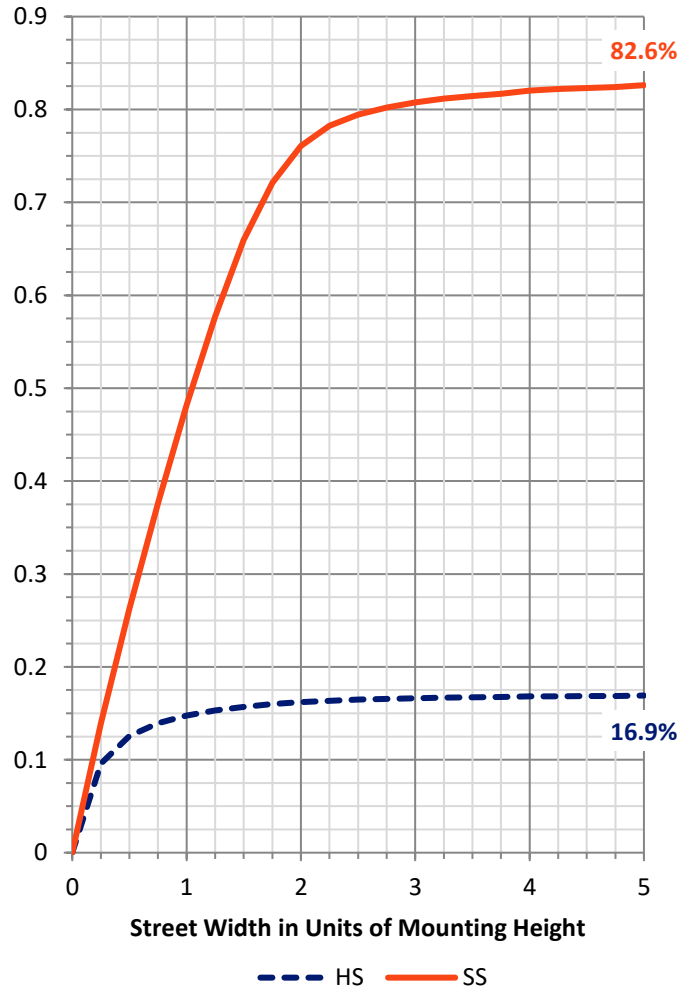
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	351.0	0.0	351.0
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	1701.4	0.0	1701.4
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	2052.4	0.0	2052.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.0	2.4
10°-20°	109.7	5.3
20°-30°	140.5	6.8
30°-40°	184.6	9.0
40°-50°	267.8	13.0
50°-60°	417.8	20.4
60°-70°	547.0	26.7
70°-80°	302.5	14.7
80°-90°	33.6	1.6
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°	2052.4	100.0
0°-180°	2052.4	100.0

**Coefficient of Utilization**



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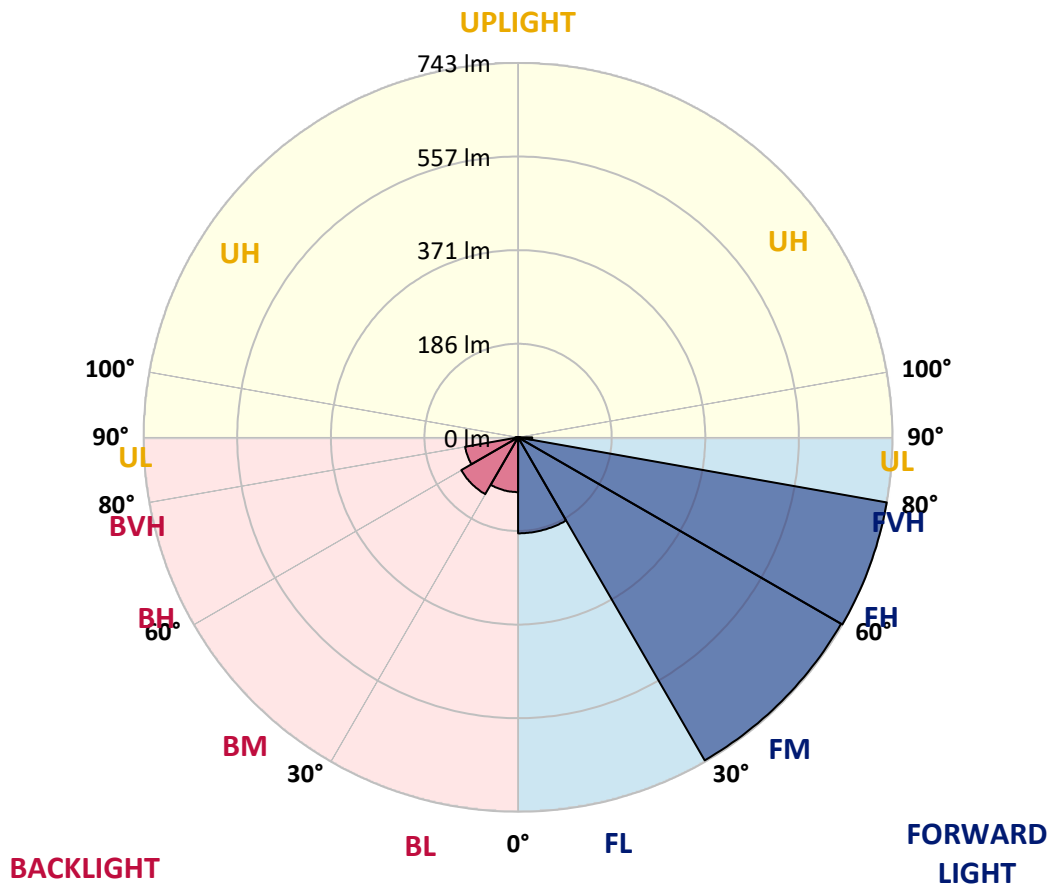
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.5	9.3			
FM (30°-60°)	740.1	36.1			
FH (60°-80°)	742.9	36.2			G1/1800
FVH (80°-90°)	28.0	1.4			G1/100
BL (0°-30°)	108.6	5.3	B0/110		
BM (30°-60°)	130.1	6.3	B0/220		
BH (60°-80°)	106.7	5.2	B0/110		G0/110
BVH (80°-90°)	5.6	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9
2.5°	560.0	560.6	562.2	564.6	567.0	568.2	571.2	570.3	569.7	568.5	567.0
5°	535.2	536.4	537.9	542.5	547.8	552.0	558.8	559.5	559.8	560.4	558.0
7.5°	503.7	504.0	507.6	513.7	520.6	527.8	539.1	542.2	545.0	548.0	546.0
10°	468.8	469.6	472.3	481.1	493.0	503.7	518.8	524.1	529.8	536.4	533.7
12.5°	440.3	440.4	444.8	454.3	467.2	481.6	500.5	506.8	514.3	524.7	522.3
15°	417.6	417.6	421.7	429.8	444.6	461.6	484.1	492.2	502.5	516.4	512.2
17.5°	399.6	399.7	402.3	410.9	424.1	442.8	469.6	480.5	491.8	510.3	504.0
20°	390.1	389.4	389.8	395.1	406.3	424.5	455.0	467.8	482.9	506.1	496.4
22.5°	389.7	388.3	386.4	386.8	393.4	408.4	439.4	454.9	473.9	502.6	488.8
25°	397.3	395.8	392.4	388.5	387.9	396.9	424.7	442.2	464.6	501.1	481.4
27.5°	410.3	409.2	404.7	398.8	392.7	392.4	413.6	431.9	457.9	502.6	476.2
30°	427.4	425.6	422.7	415.2	405.9	396.3	409.2	426.3	453.3	507.4	473.9
32.5°	446.7	445.7	443.0	435.5	425.6	410.3	412.7	427.5	453.3	515.8	474.4
35°	467.3	467.2	467.2	462.2	451.2	432.2	426.3	437.7	460.3	529.3	479.2
37.5°	487.3	487.1	491.9	493.7	481.3	460.7	449.6	458.2	475.4	549.3	491.0
40°	503.5	504.1	514.6	523.6	516.7	497.6	482.0	486.4	500.1	577.7	511.8
42.5°	519.9	521.5	537.3	553.2	555.9	539.4	523.6	526.2	535.3	615.2	542.7
45°	537.7	538.5	560.6	582.8	595.9	586.1	573.2	576.6	578.7	661.6	588.8
47.5°	555.0	557.0	585.5	616.0	640.8	639.9	632.6	631.6	632.0	718.1	643.3
50°	578.6	581.4	614.9	651.7	688.1	704.7	706.8	698.9	695.6	780.9	711.2
52.5°	623.3	623.3	653.4	689.6	738.4	779.7	793.8	780.7	770.2	847.2	783.3
55°	679.3	681.8	705.6	734.9	796.8	858.5	906.2	891.8	862.1	919.5	858.8
57.5°	704.3	707.3	745.1	790.6	873.2	948.1	1014.4	1009.3	965.9	994.5	937.2
60°	659.2	665.5	717.6	793.9	942.4	1092.8	1139.5	1124.6	1062.6	1073.4	1022.2
62.5°	549.9	556.8	614.6	721.1	932.8	1249.1	1336.6	1281.8	1183.3	1172.9	1135.4
65°	328.1	327.8	397.3	538.5	814.3	1292.5	1648.7	1546.4	1369.8	1309.6	1251.9
67.5°	208.6	208.1	222.7	285.3	541.9	1186.2	1849.3	1875.9	1623.1	1410.1	1261.5
70°	164.6	164.4	174.9	203.5	268.0	844.1	1793.4	1977.4	1776.2	1371.8	1110.8
72.5°	120.0	120.3	136.5	170.4	206.8	423.8	1452.2	1691.9	1633.6	1210.9	901.7
75°	86.2	86.6	96.4	130.5	190.7	231.7	965.7	1272.2	1242.9	970.7	620.3
77.5°	54.8	55.4	64.0	91.5	154.1	187.1	585.5	898.1	827.0	546.9	220.6
80°	33.5	35.4	42.6	68.2	123.1	140.4	292.7	473.2	414.2	150.0	74.2
82.5°	17.3	18.8	25.7	42.2	84.8	123.3	165.6	198.8	128.2	62.8	39.5
85°	5.4	6.3	9.0	17.1	40.4	76.4	109.6	98.8	58.9	29.6	18.3
87.5°	1.4	1.4	1.5	1.5	1.7	3.5	21.2	22.4	15.6	9.3	7.5
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°	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9
2.5°	564.0	560.4	558.9	558.8	555.0	549.6	546.0	543.4	541.9	541.6	541.6
5°	554.0	549.3	543.1	538.5	528.4	518.2	509.7	504.9	499.3	498.5	498.4
7.5°	540.6	533.8	522.1	509.1	491.5	474.5	460.1	450.3	440.6	438.8	438.2
10°	526.2	517.0	497.0	474.1	447.8	422.4	400.3	383.1	371.7	363.6	362.0
12.5°	511.9	499.8	470.5	436.2	400.2	365.5	332.3	304.1	283.7	271.8	269.7
15°	498.5	481.6	441.5	397.8	350.9	303.5	256.5	219.8	191.2	180.9	178.5
17.5°	486.4	465.2	413.4	358.0	299.6	237.6	184.1	151.5	134.7	129.6	128.4
20°	474.2	448.4	384.9	316.1	245.1	175.5	134.5	119.2	112.9	111.0	110.4
22.5°	461.2	429.9	353.8	274.8	190.0	131.4	110.1	103.3	101.4	101.5	101.4
25°	448.1	411.2	321.2	229.9	141.5	106.6	96.1	93.6	94.0	95.4	95.7
27.5°	437.3	394.5	289.2	180.6	110.5	91.8	86.8	86.6	88.3	90.1	90.4
30°	429.5	379.6	257.7	138.9	91.0	81.5	79.6	80.5	82.4	83.8	84.2
32.5°	423.9	366.9	224.0	109.2	79.7	74.3	73.4	74.3	75.5	76.9	77.2
35°	422.0	357.5	191.0	89.0	72.1	69.1	68.5	68.9	69.5	70.3	70.6
37.5°	426.3	352.9	156.5	77.5	67.4	65.6	64.7	64.4	64.6	64.9	65.0
40°	439.2	355.0	128.2	70.7	64.4	62.8	61.3	60.7	60.5	60.8	60.7
42.5°	461.5	363.9	107.8	66.8	62.0	59.6	58.0	57.4	57.4	58.1	58.1
45°	494.0	381.3	93.1	64.0	59.9	56.9	55.1	54.8	55.4	56.6	56.8
47.5°	541.8	406.8	84.2	61.9	58.0	54.5	52.7	52.6	53.8	55.7	55.9
50°	598.4	443.6	79.4	60.4	56.6	52.6	50.8	50.9	52.3	54.4	54.8
52.5°	666.6	493.7	79.7	59.8	55.9	51.4	49.6	49.3	50.6	52.7	53.2
55°	737.0	554.7	85.6	59.9	54.8	50.8	48.4	47.3	48.5	50.0	50.2
57.5°	814.5	623.5	100.2	59.6	53.5	50.2	47.3	44.9	45.7	46.6	47.0
60°	901.9	704.4	131.5	60.2	52.9	48.8	45.2	42.0	41.9	42.5	42.6
62.5°	1018.7	814.5	166.8	61.3	54.2	47.2	42.0	38.7	38.1	38.4	38.6
65°	1108.1	867.1	155.7	60.4	57.1	46.0	39.0	35.6	34.4	34.1	34.1
67.5°	1071.7	797.5	108.4	58.0	58.4	46.1	36.6	32.3	30.8	30.0	29.9
70°	912.0	647.8	75.4	55.6	56.9	45.8	34.1	29.6	27.6	26.6	26.4
72.5°	720.5	494.6	61.0	50.8	51.7	41.3	30.3	26.6	24.9	23.6	23.6
75°	463.7	301.8	50.9	45.2	42.2	32.1	26.3	23.7	22.1	20.7	20.7
77.5°	156.0	112.0	39.5	38.3	31.5	24.2	22.1	20.4	19.1	17.9	17.7
80°	63.4	53.2	29.0	29.0	22.1	18.5	17.3	16.5	15.6	14.1	14.1
82.5°	36.8	32.3	20.3	17.6	14.7	12.8	12.0	11.3	11.3	10.2	10.2
85°	17.7	17.9	12.2	10.8	8.4	7.4	7.1	6.6	6.5	5.9	5.7
87.5°	9.6	9.8	6.2	4.8	3.3	2.9	2.4	2.3	2.1	2.0	2.0
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)