

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: P629567

Luminaire Tested: GWS-SA1B-830-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629567  
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-SA1B-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2305.9 lumens  
Efficiency: N/A  
Efficacy: 92.2 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

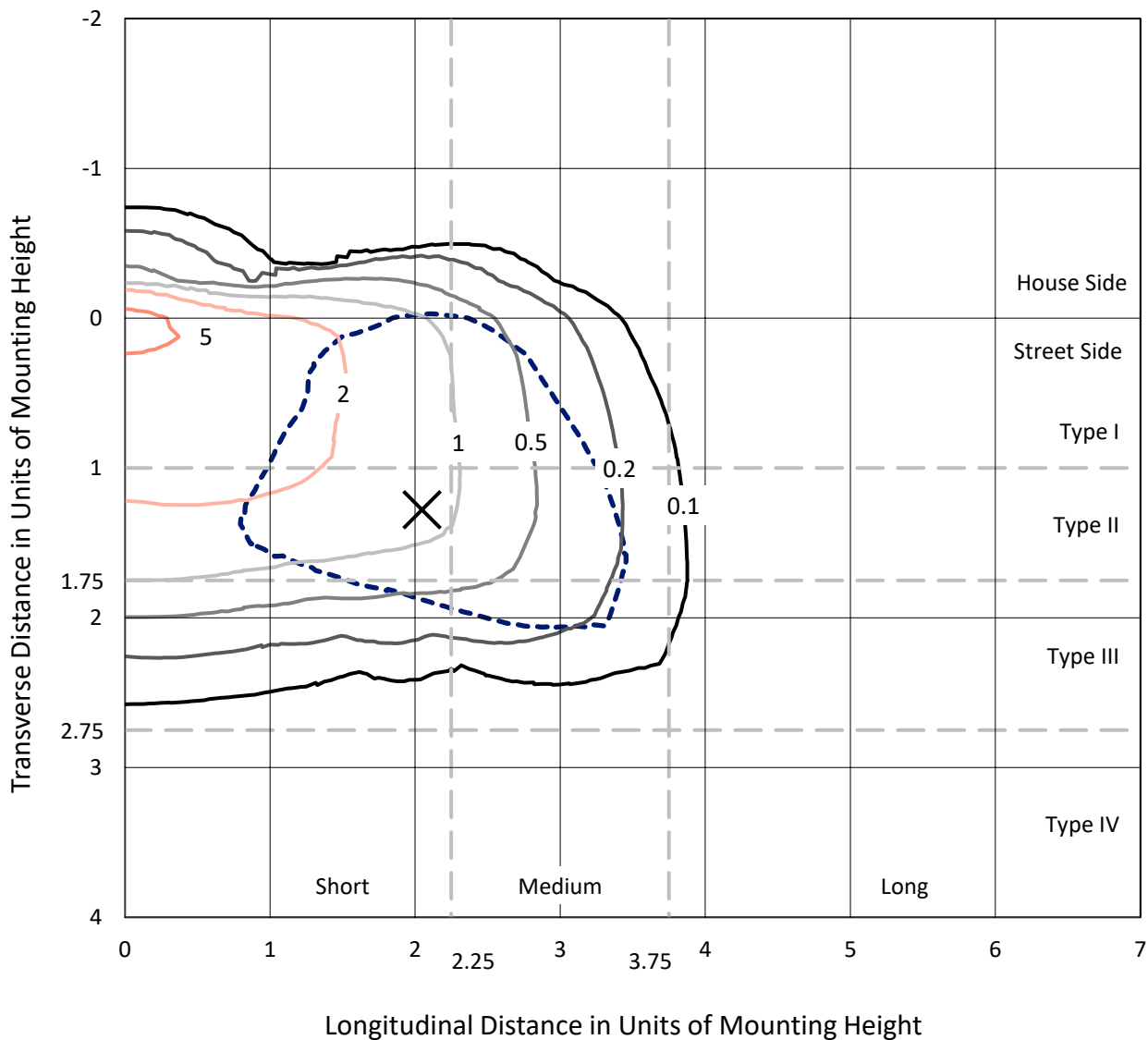
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

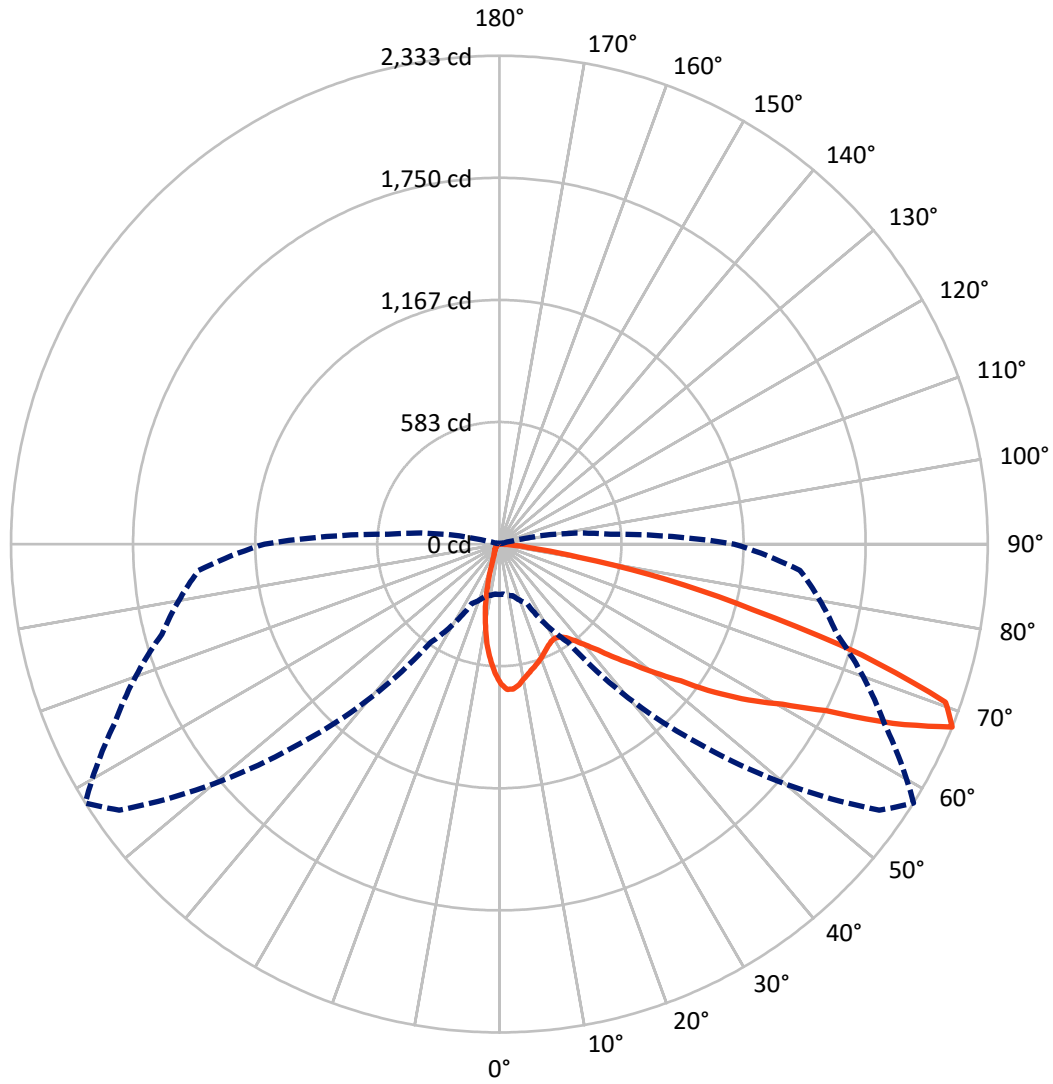
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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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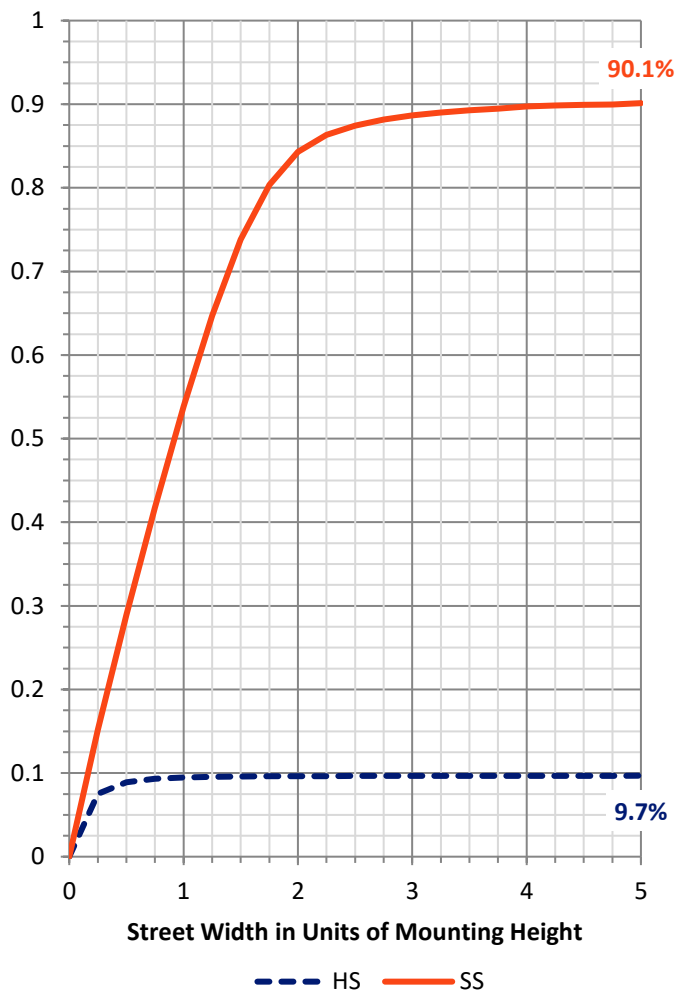
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	225.3	0.0	225.3
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	2080.6	0.0	2080.6
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	2305.9	0.0	2305.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.0	2.3
10°-20°	112.5	4.9
20°-30°	151.7	6.6
30°-40°	213.2	9.2
40°-50°	329.3	14.3
50°-60°	526.6	22.8
60°-70°	623.5	27.0
70°-80°	275.8	12.0
80°-90°	19.3	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°	2305.9	100.0
0°-180°	2305.9	100.0

**Coefficient of Utilization**



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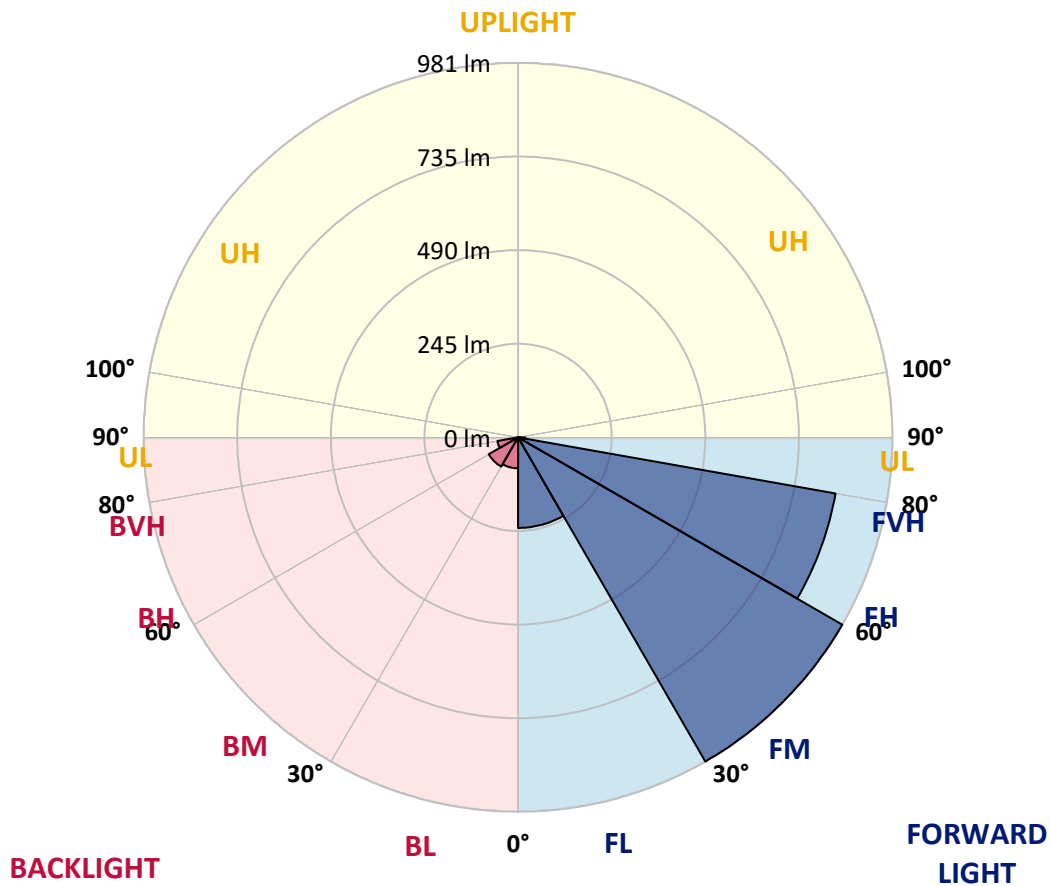
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.2	10.3			
FM (30°-60°)	980.7	42.5			
FH (60°-80°)	844.3	36.6			G1/1800
FVH (80°-90°)	18.5	0.8			G1/100
BL (0°-30°)	81.1	3.5	B0/110		
BM (30°-60°)	88.4	3.8	B0/220		
BH (60°-80°)	55.0	2.4	B0/110		G0/110
BVH (80°-90°)	0.8	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°	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1
2.5°	699.6	700.8	702.5	704.5	704.1	702.3	700.0	694.9	691.7	681.5	669.0
5°	677.2	677.0	681.0	684.9	691.9	695.5	700.6	695.9	694.3	682.1	661.9
7.5°	633.3	635.5	640.2	646.4	656.4	667.2	679.4	678.0	682.9	674.7	649.6
10°	590.2	589.0	596.4	605.5	620.8	634.7	652.5	652.3	665.1	664.3	635.7
12.5°	552.5	552.3	558.0	568.4	586.4	605.7	629.8	630.4	646.4	652.9	623.9
15°	520.6	521.0	526.6	537.4	555.9	579.6	607.6	612.7	630.6	643.9	612.3
17.5°	498.0	498.2	501.4	510.8	529.0	554.3	588.0	594.9	618.0	637.2	602.9
20°	487.6	486.8	487.4	492.1	506.1	529.2	568.0	577.0	606.4	632.5	594.3
22.5°	489.0	487.8	484.9	484.3	490.6	508.2	546.8	557.8	593.7	629.6	586.6
25°	501.7	499.0	494.9	488.8	486.3	495.1	528.2	539.6	581.9	629.8	580.6
27.5°	521.0	518.2	513.1	504.9	495.3	491.7	515.5	526.3	573.5	634.5	577.8
30°	545.7	543.5	538.6	528.8	515.9	500.8	512.9	521.9	569.4	644.1	579.0
32.5°	574.9	573.3	569.2	560.2	545.5	522.5	521.9	528.8	572.7	658.0	583.7
35°	603.1	603.7	603.9	599.0	583.3	555.3	546.6	549.0	586.1	678.8	594.3
37.5°	633.5	632.1	639.4	642.9	627.8	598.0	584.7	584.9	611.9	709.6	614.3
40°	656.6	657.0	672.9	687.2	680.8	652.1	633.1	632.9	651.5	751.9	646.6
42.5°	678.2	680.8	704.3	728.8	737.6	712.1	698.4	693.3	707.0	809.0	694.9
45°	701.3	705.1	738.0	772.9	796.0	780.8	770.0	772.1	773.7	875.5	760.0
47.5°	728.2	730.6	771.3	820.4	863.5	859.6	860.2	857.8	857.0	959.4	846.2
50°	760.8	766.6	813.3	872.1	930.9	956.6	965.1	966.2	952.9	1050.9	935.3
52.5°	830.2	837.2	877.2	928.6	1004.3	1058.4	1093.3	1086.4	1066.0	1139.4	1033.1
55°	912.1	917.4	956.0	1009.2	1094.1	1170.0	1252.9	1250.1	1200.1	1232.7	1113.5
57.5°	919.8	925.8	985.6	1067.2	1209.4	1308.0	1395.2	1404.3	1331.1	1298.8	1185.4
60°	832.7	844.7	926.4	1036.2	1253.5	1493.5	1551.1	1552.9	1427.2	1366.0	1273.1
62.5°	667.4	673.1	755.3	898.6	1185.6	1601.7	1789.3	1750.5	1550.7	1469.9	1412.1
65°	349.8	373.1	444.7	603.3	961.5	1563.9	2075.8	2065.2	1772.7	1618.6	1520.3
67.5°	240.0	239.8	256.7	314.5	573.3	1346.6	2216.4	2333.2	2029.5	1669.7	1441.9
70°	182.7	183.3	198.4	235.9	297.0	896.4	2062.1	2261.7	2077.2	1516.0	1166.2
72.5°	121.2	122.5	147.6	190.6	237.2	439.4	1602.5	1809.7	1747.8	1217.6	820.9
75°	72.5	73.5	91.4	138.6	210.8	245.9	1018.2	1251.1	1203.1	839.2	440.0
77.5°	29.8	30.6	46.9	86.3	154.3	191.0	563.1	818.6	720.6	333.7	120.2
80°	12.4	12.9	22.7	60.4	111.2	119.8	260.8	384.7	295.3	71.8	36.7
82.5°	4.5	4.7	8.4	33.3	69.2	90.2	131.6	152.0	83.3	23.5	19.8
85°	0.2	0.2	2.0	11.2	26.3	25.5	75.3	72.9	27.6	9.8	11.8
87.5°	0.0	0.0	0.2	0.2	0.4	1.0	7.1	12.7	5.9	2.4	5.1
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°	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1
2.5°	660.8	650.0	638.2	627.2	609.6	599.2	586.4	580.6	572.5	570.4	571.7
5°	647.4	628.8	600.4	574.7	541.5	514.7	487.8	476.3	461.7	451.9	447.8
7.5°	628.4	604.1	559.8	513.1	467.4	418.6	381.4	357.0	334.7	322.5	320.0
10°	609.2	577.6	514.1	447.2	376.3	318.0	267.8	230.6	200.4	186.7	176.1
12.5°	589.4	550.0	467.6	380.2	298.0	218.4	156.3	120.2	98.6	90.0	91.4
15°	571.2	523.5	421.4	313.3	209.8	131.8	86.3	72.9	67.8	66.1	65.9
17.5°	553.9	498.4	375.5	248.2	138.4	80.8	66.1	62.9	61.4	60.6	60.6
20°	538.2	474.3	330.6	186.9	89.4	64.1	59.8	58.2	56.9	56.3	56.3
22.5°	523.5	451.0	286.7	132.3	65.9	57.6	54.9	53.3	51.8	51.0	51.0
25°	510.2	430.0	244.9	91.0	56.7	52.7	49.8	48.0	45.5	44.1	44.1
27.5°	500.6	411.2	204.7	66.3	51.2	47.3	44.1	41.6	39.0	37.3	36.9
30°	494.9	395.3	164.1	54.5	46.1	42.2	38.6	35.5	32.5	30.8	30.6
32.5°	491.7	380.6	126.9	47.6	41.8	37.3	33.3	30.0	26.9	25.1	24.9
35°	492.9	369.2	95.1	42.9	37.8	33.1	28.6	25.3	22.7	21.0	20.6
37.5°	503.5	364.1	71.4	39.2	34.3	29.4	24.7	21.6	19.2	18.0	17.8
40°	524.1	365.1	56.1	36.3	31.4	25.7	21.2	18.4	16.5	15.5	15.3
42.5°	556.1	373.7	46.3	33.9	28.4	22.4	18.4	16.1	14.3	13.3	13.1
45°	603.9	391.4	40.4	31.0	25.1	19.4	15.9	13.9	12.2	11.0	10.8
47.5°	673.1	422.3	36.5	28.4	22.2	16.7	13.7	11.6	10.2	9.2	9.0
50°	746.8	459.2	33.3	25.7	19.8	14.5	11.6	9.6	8.4	7.3	7.1
52.5°	825.3	499.0	30.8	23.3	17.6	12.4	9.8	8.0	6.7	5.7	5.5
55°	900.9	539.0	28.0	21.6	14.9	10.6	8.2	6.5	5.3	4.5	4.5
57.5°	974.3	575.7	24.9	19.0	12.2	9.0	6.7	5.3	4.3	3.7	3.5
60°	1062.1	626.6	21.4	16.1	10.2	7.6	5.5	4.3	3.5	2.9	2.9
62.5°	1192.5	679.4	18.4	13.5	8.6	6.3	4.5	3.5	2.9	2.4	2.2
65°	1235.2	650.8	15.5	11.0	6.9	5.1	3.7	3.1	2.4	2.2	2.0
67.5°	1121.3	533.5	12.9	9.0	5.7	4.3	3.3	2.7	2.2	2.0	1.8
70°	874.9	378.6	10.0	6.7	4.7	3.5	2.9	2.4	2.0	1.8	1.8
72.5°	595.1	223.9	8.0	5.1	3.9	3.1	2.4	2.2	2.0	1.8	1.6
75°	293.1	79.6	6.1	3.9	3.1	2.7	2.2	2.0	1.8	1.6	1.6
77.5°	79.0	22.0	4.7	3.1	2.4	2.0	2.0	2.0	1.8	1.4	1.4
80°	26.7	9.2	3.5	2.2	2.0	1.6	1.4	1.8	1.6	1.4	1.2
82.5°	14.7	4.5	2.4	1.8	1.4	1.2	1.2	1.2	1.2	1.0	1.0
85°	9.4	2.4	1.6	1.4	1.4	1.0	0.8	0.8	0.6	0.6	0.6
87.5°	4.3	1.4	1.4	1.2	1.2	1.0	0.6	0.4	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)