

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: P629125

Luminaire Tested: GWS-SA1B-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-722-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

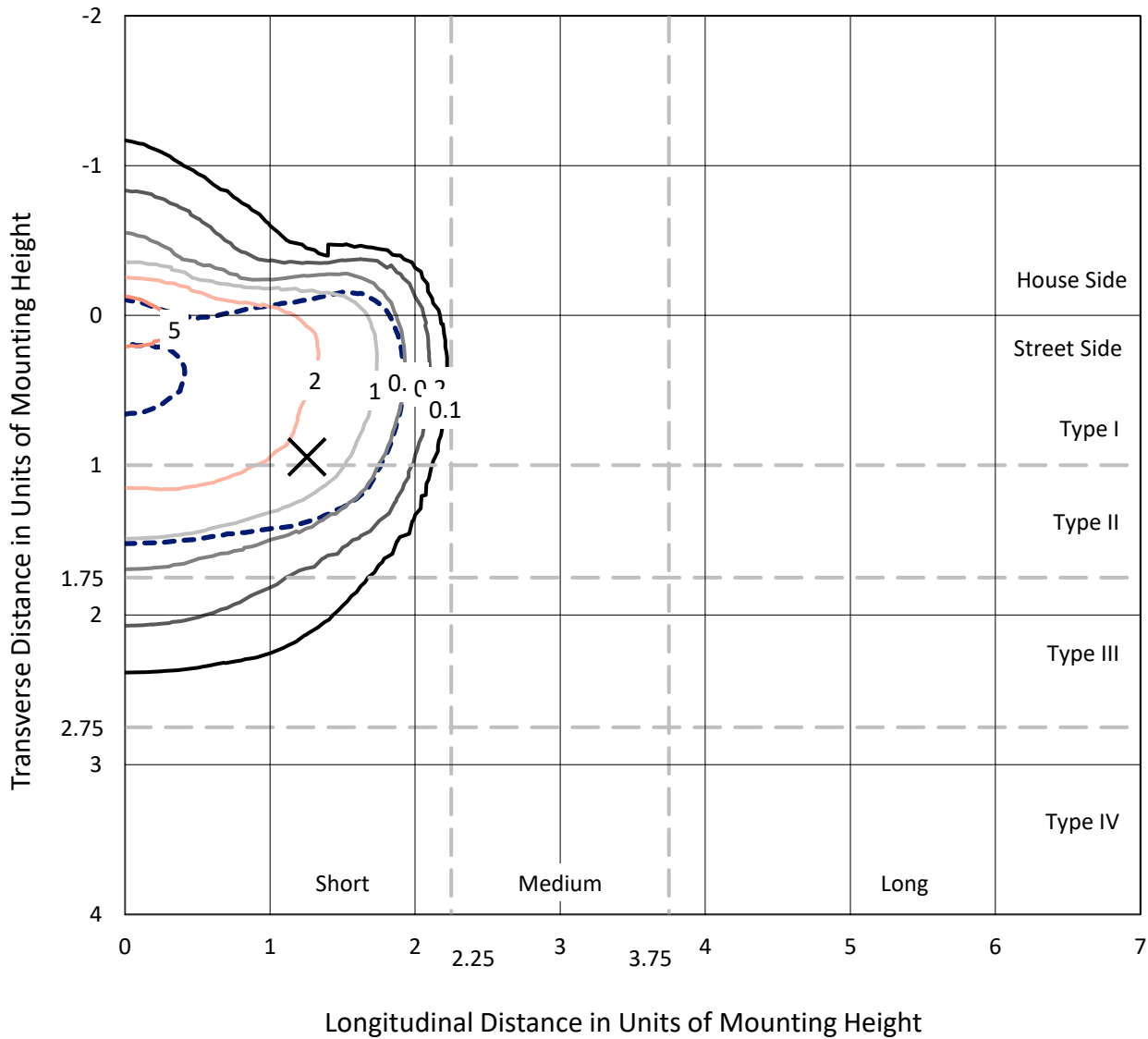
Lumens per Lamp: N/A  
Luminaire Lumens: 1544.1 lumens  
Efficiency: N/A  
Efficacy: 61.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

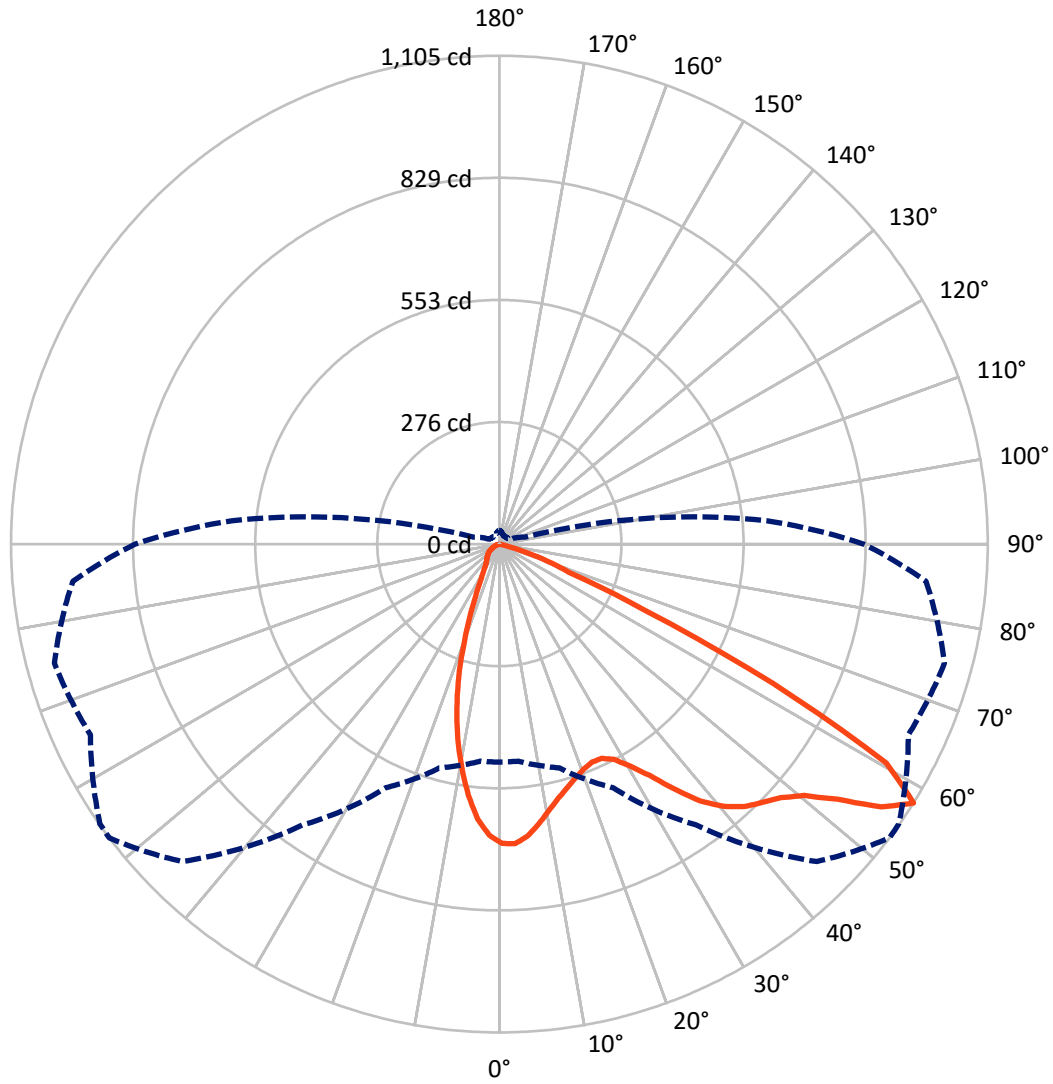
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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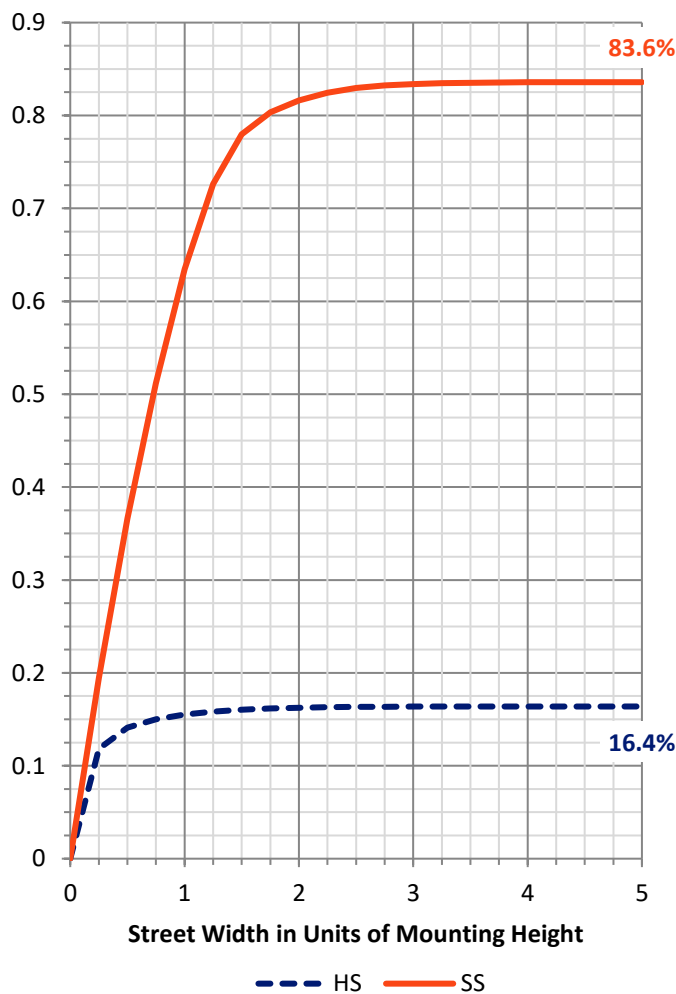
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	255.1	0.0	255.1
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	1289.0	0.0	1289.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	1544.1	0.0	1544.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.0	3.8
10°-20°	127.2	8.2
20°-30°	165.7	10.7
30°-40°	240.4	15.6
40°-50°	346.9	22.5
50°-60°	419.5	27.2
60°-70°	171.0	11.1
70°-80°	15.4	1.0
80°-90°	0.0	0.0
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°	1544.1	100.0
0°-180°	1544.1	100.0

**Coefficient of Utilization**



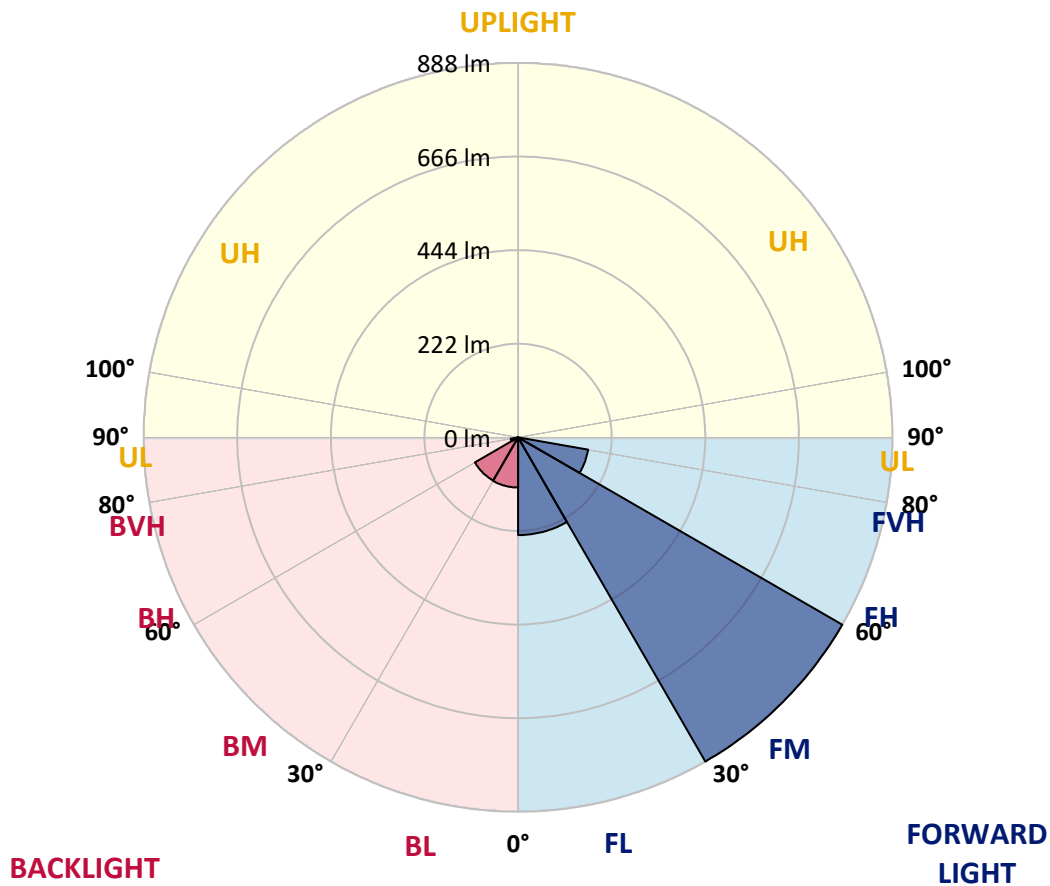
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.9	15.0			
FM (30°-60°)	888.4	57.5			
FH (60°-80°)	168.7	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	119.0	7.7	B1/500		
BM (30°-60°)	118.4	7.7	B0/220		
BH (60°-80°)	17.6	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3
2.5°	667.9	669.4	672.0	675.4	677.7	678.8	678.8	682.1	680.0	678.3	676.4
5°	639.3	640.8	644.4	649.9	655.4	659.4	663.9	667.3	668.6	668.6	665.4
7.5°	599.0	601.1	603.3	610.9	622.8	631.7	639.5	644.4	651.6	653.9	649.3
10°	555.6	557.7	562.8	573.2	586.9	600.1	613.4	619.6	631.9	638.3	633.2
12.5°	518.9	519.9	526.7	539.2	556.6	574.8	590.8	597.3	614.7	624.3	618.3
15°	488.6	489.2	496.0	509.8	529.9	552.2	572.5	579.1	600.5	615.1	606.0
17.5°	465.7	465.9	471.8	486.8	507.8	532.6	556.6	564.7	592.4	610.0	596.3
20°	454.2	453.6	457.8	470.9	490.7	515.5	543.9	553.9	587.8	609.2	588.9
22.5°	454.4	453.1	454.8	464.0	480.9	504.2	536.0	547.3	588.2	612.4	582.7
25°	465.2	463.3	463.7	468.6	480.5	501.7	537.1	549.2	595.8	623.2	580.4
27.5°	483.3	481.3	481.3	483.7	490.2	509.5	551.3	565.1	616.0	644.2	585.2
30°	506.8	504.7	504.0	506.4	511.7	529.5	582.9	597.3	650.6	678.7	600.3
32.5°	533.7	531.2	532.6	536.0	541.1	565.7	623.6	642.7	694.0	725.0	627.6
35°	562.1	560.0	566.1	573.4	581.4	615.8	679.8	696.4	747.2	782.7	669.2
37.5°	589.1	588.2	600.9	616.4	632.9	676.0	736.9	749.8	792.8	845.6	720.1
40°	616.2	616.0	637.8	665.0	691.3	736.0	780.3	790.9	820.6	894.4	768.9
42.5°	646.5	646.5	676.6	712.9	747.9	786.7	812.1	816.8	833.1	922.6	805.6
45°	675.4	677.1	712.0	754.2	795.6	826.3	834.0	834.4	838.2	939.3	836.1
47.5°	698.3	699.9	741.5	790.1	834.8	856.4	857.5	855.8	851.6	955.2	859.6
50°	716.9	719.2	762.7	814.2	861.7	885.3	894.0	892.3	881.7	972.2	876.0
52.5°	726.0	729.2	770.1	826.1	891.6	934.9	959.1	963.1	926.8	981.6	891.8
55°	653.3	658.0	695.7	772.3	908.2	1011.5	1049.6	1048.8	975.6	1009.8	930.0
57.5°	493.4	493.0	524.2	608.1	775.7	1015.9	1105.2	1103.7	1021.2	1042.6	969.2
60°	335.9	333.6	342.0	382.5	542.4	827.6	1005.9	1026.3	988.8	963.1	822.9
62.5°	276.5	274.4	271.8	260.6	311.5	515.5	694.9	726.0	721.0	669.4	516.1
65°	226.3	228.0	235.4	230.7	216.7	264.4	360.7	379.1	346.5	291.6	180.4
67.5°	166.9	167.7	177.3	202.3	194.7	176.0	169.8	172.8	101.2	46.6	30.1
70°	98.6	99.2	108.1	141.6	158.0	135.1	114.7	113.0	40.1	12.5	13.6
72.5°	55.8	54.7	56.4	67.4	86.1	71.7	59.0	53.7	12.1	7.0	7.0
75°	26.5	25.7	22.1	20.8	18.9	12.1	7.6	6.4	3.0	2.8	2.8
77.5°	0.2	0.6	0.4	0.6	0.6	0.4	0.2	0.2	0.6	0.6	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3
2.5°	673.0	667.3	666.0	665.6	660.3	654.6	648.8	646.5	643.1	641.0	642.7
5°	660.3	652.2	645.0	638.3	626.6	613.7	602.6	595.4	588.6	584.0	585.2
7.5°	642.3	631.7	615.3	598.4	576.8	557.5	536.0	522.7	510.4	503.6	506.8
10°	623.2	609.2	582.9	554.3	520.4	490.2	459.3	434.1	419.6	405.8	407.3
12.5°	604.5	585.9	546.6	503.2	460.4	415.8	369.2	334.4	310.6	293.3	290.7
15°	587.1	563.2	511.2	454.0	395.7	336.3	276.9	227.1	199.5	182.4	181.3
17.5°	571.5	542.0	474.5	402.5	329.5	253.4	185.1	147.8	131.9	124.5	123.8
20°	556.6	520.6	437.0	350.3	257.2	177.9	127.7	110.5	105.4	102.4	102.8
22.5°	542.2	497.4	397.6	292.4	192.8	124.9	99.0	92.4	91.8	92.2	92.4
25°	530.1	476.0	357.1	236.6	137.6	95.2	82.7	80.8	82.5	85.0	85.4
27.5°	523.8	458.6	317.6	180.4	99.5	77.4	71.7	72.5	75.5	78.2	78.5
30°	525.6	445.5	276.7	130.8	76.6	65.3	63.4	64.9	67.9	70.4	70.8
32.5°	537.7	438.9	234.9	95.2	63.0	57.0	56.2	57.3	60.0	61.9	62.1
35°	561.7	440.4	195.1	72.9	54.1	50.7	50.5	51.3	52.6	53.9	54.1
37.5°	597.1	452.7	155.9	60.6	49.0	46.6	45.8	45.8	46.7	47.3	47.7
40°	635.1	471.2	124.9	53.6	45.4	42.8	41.3	40.7	41.4	42.2	42.4
42.5°	666.5	489.8	101.4	48.6	42.6	39.0	37.1	36.7	37.7	39.0	39.4
45°	690.6	504.2	84.6	44.7	39.4	35.4	33.3	33.3	35.0	37.3	37.7
47.5°	712.5	515.7	72.1	41.1	36.3	32.2	30.1	30.5	33.3	36.3	36.9
50°	727.5	525.0	62.8	37.9	33.9	29.5	27.6	28.4	31.8	35.4	36.0
52.5°	743.6	536.3	56.8	35.0	31.6	27.4	25.7	26.3	30.1	34.1	34.8
55°	788.0	574.4	56.6	31.2	27.6	24.6	23.8	24.0	27.8	32.4	33.3
57.5°	824.4	607.9	60.4	26.3	23.1	21.6	21.2	21.4	24.8	29.9	31.0
60°	682.1	472.4	50.0	21.8	19.3	18.9	18.4	18.7	22.0	26.5	27.4
62.5°	403.7	270.1	23.8	16.7	16.5	16.1	15.5	16.3	19.3	23.3	23.8
65°	138.0	80.1	15.1	13.6	14.0	13.4	12.9	13.6	16.3	18.5	18.7
67.5°	26.5	21.2	12.1	11.4	11.5	10.4	10.2	11.0	12.5	12.9	12.7
70°	13.8	12.3	9.3	9.3	8.9	7.4	7.4	8.1	8.1	7.6	7.4
72.5°	7.2	6.8	6.1	6.8	5.7	4.5	4.5	4.9	4.5	3.8	3.8
75°	2.8	2.8	2.6	3.4	2.5	2.1	1.9	2.3	1.7	1.3	1.3
77.5°	0.8	0.8	0.8	0.9	0.6	0.6	0.4	0.4	0.2	0.0	0.0
80°	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)