

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: P628630

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628630  
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-SA1A-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**

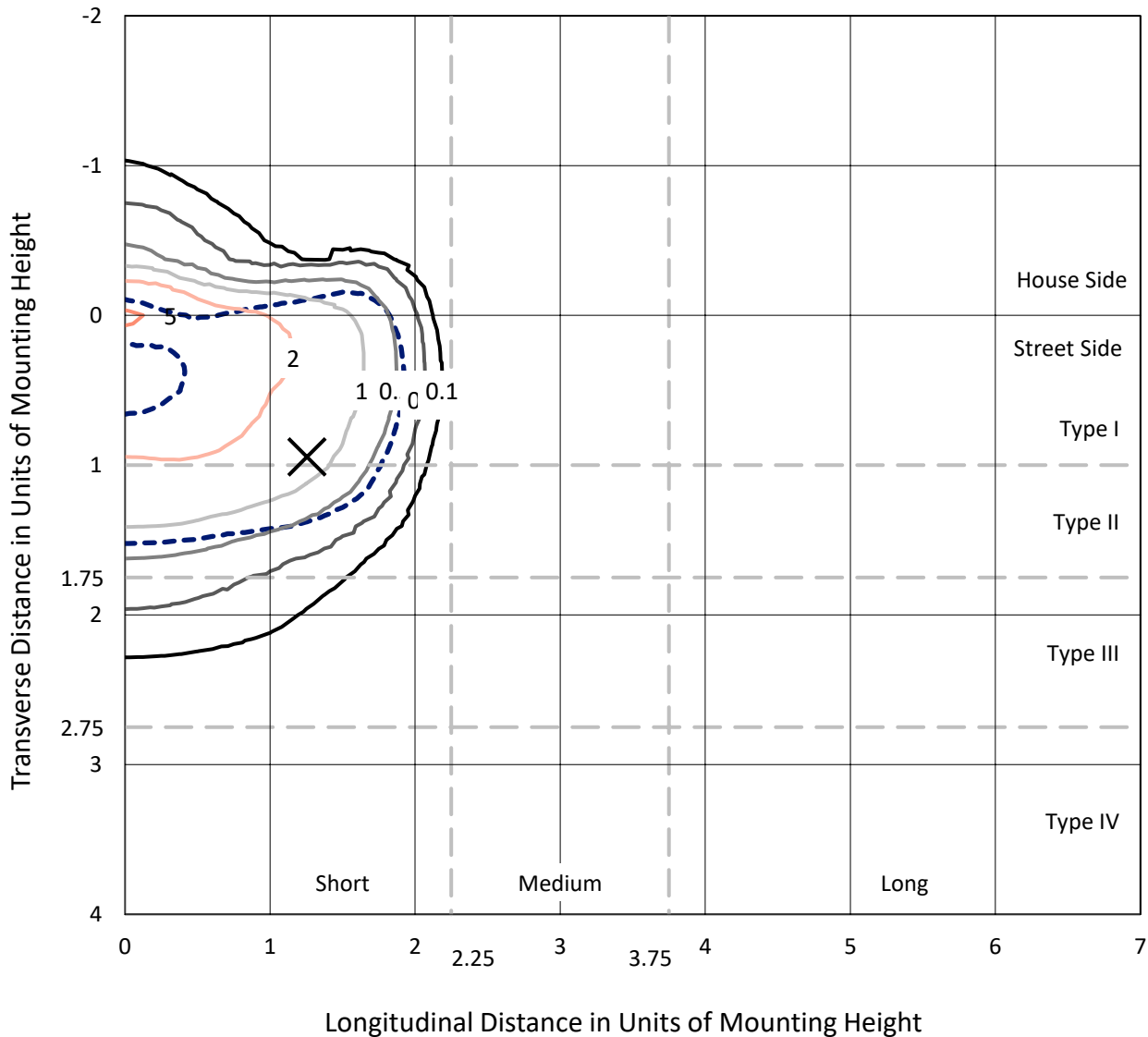
Lumens per Lamp: N/A  
Luminaire Lumens: 1225.2 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

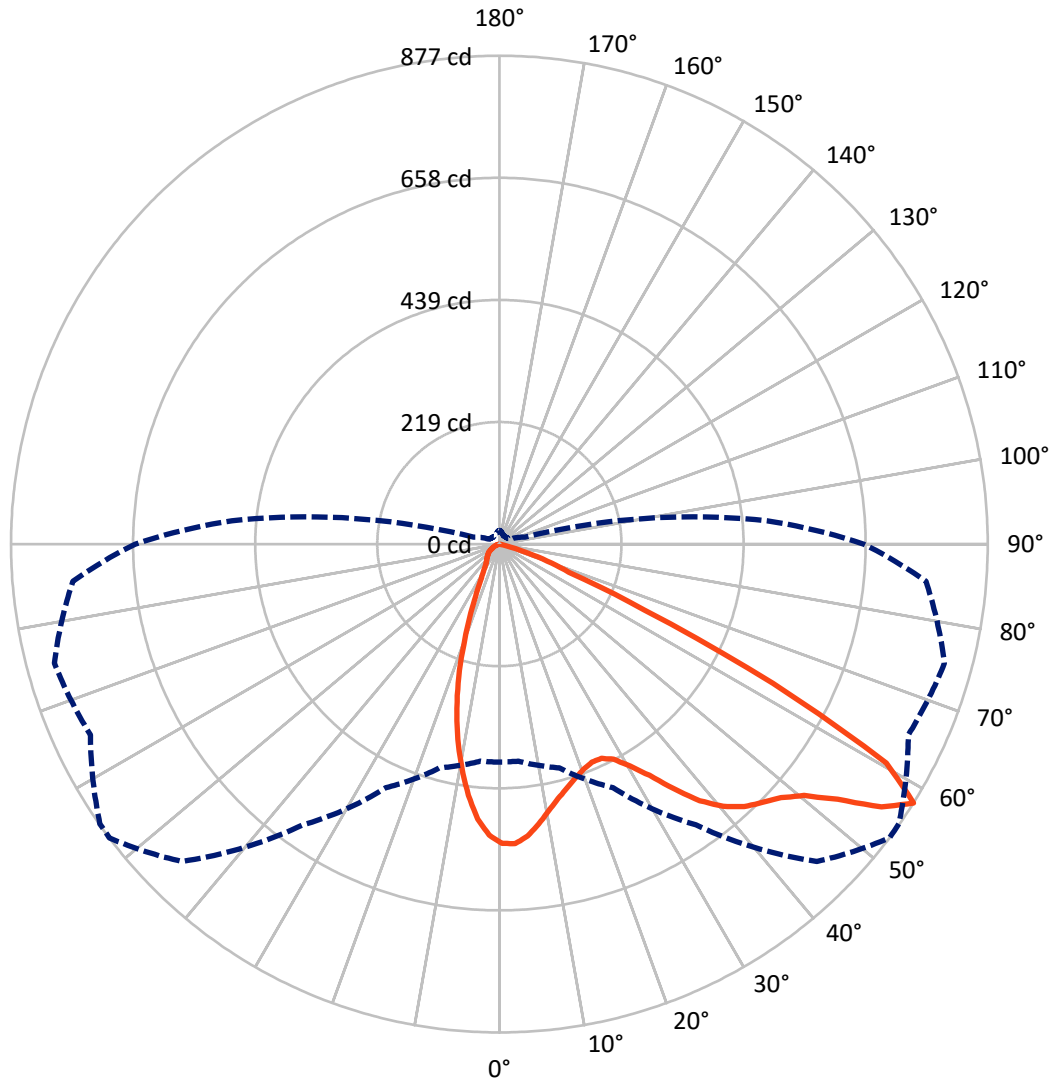
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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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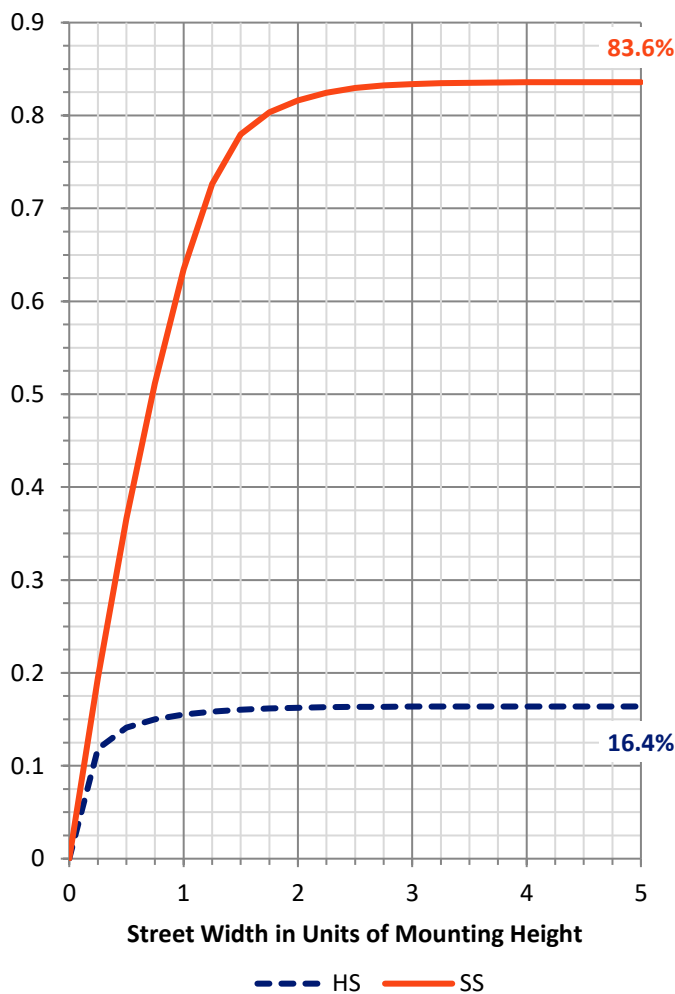
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	202.4	0.0	202.4
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	1022.8	0.0	1022.8
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	1225.2	0.0	1225.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.0	3.8
10°-20°	100.9	8.2
20°-30°	131.5	10.7
30°-40°	190.8	15.6
40°-50°	275.2	22.5
50°-60°	332.9	27.2
60°-70°	135.7	11.1
70°-80°	12.2	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°	1225.2	100.0
0°-180°	1225.2	100.0

**Coefficient of Utilization**



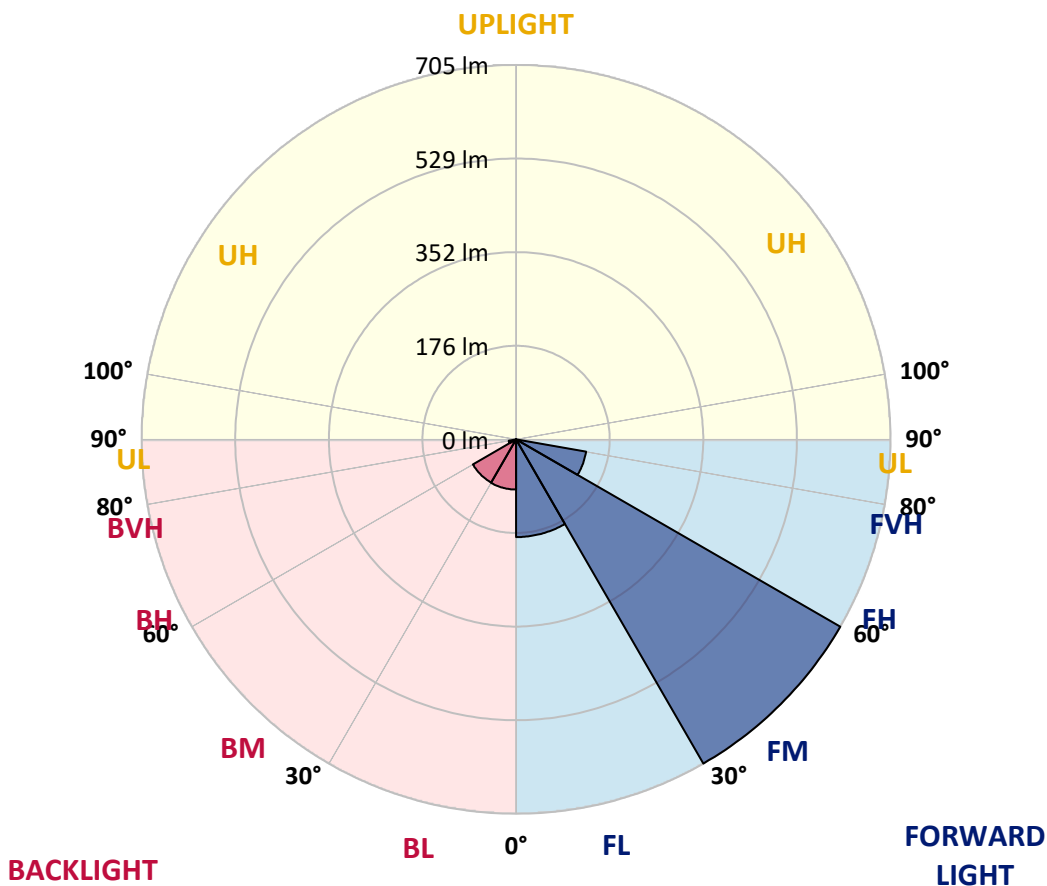
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.0	15.0			
FM (30°-60°)	705.0	57.5			
FH (60°-80°)	133.9	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	94.5	7.7	B0/110		
BM (30°-60°)	93.9	7.7	B0/220		
BH (60°-80°)	14.0	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: B0-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4
2.5°	529.9	531.1	533.2	535.9	537.7	538.6	538.6	541.2	539.5	538.2	536.7
5°	507.3	508.5	511.3	515.7	520.0	523.2	526.8	529.5	530.5	530.5	528.0
7.5°	475.3	476.9	478.7	484.7	494.2	501.3	507.4	511.3	517.0	518.8	515.2
10°	440.9	442.5	446.6	454.9	465.7	476.2	486.7	491.6	501.4	506.5	502.5
12.5°	411.8	412.5	417.9	427.8	441.6	456.1	468.8	473.9	487.7	495.4	490.6
15°	387.7	388.2	393.6	404.5	420.5	438.2	454.3	459.5	476.5	488.0	480.8
17.5°	369.6	369.7	374.4	386.2	402.9	422.6	441.6	448.1	470.0	484.0	473.2
20°	360.4	359.9	363.3	373.6	389.4	409.1	431.6	439.5	466.4	483.4	467.3
22.5°	360.5	359.5	360.8	368.2	381.6	400.0	425.3	434.3	466.7	485.9	462.4
25°	369.1	367.6	367.9	371.8	381.3	398.1	426.2	435.8	472.7	494.5	460.6
27.5°	383.5	381.9	381.9	383.8	388.9	404.2	437.4	448.4	488.8	511.2	464.3
30°	402.1	400.5	399.9	401.8	406.0	420.2	462.5	473.9	516.3	538.5	476.3
32.5°	423.5	421.5	422.6	425.3	429.3	448.8	494.8	510.0	550.7	575.3	497.9
35°	446.0	444.3	449.1	455.0	461.3	488.6	539.4	552.6	592.9	621.1	531.0
37.5°	467.5	466.7	476.8	489.1	502.2	536.4	584.7	595.0	629.0	670.9	571.4
40°	488.9	488.8	506.1	527.7	548.6	584.0	619.1	627.5	651.1	709.7	610.1
42.5°	513.0	513.0	536.8	565.7	593.5	624.2	644.4	648.1	661.0	732.1	639.3
45°	535.9	537.3	564.9	598.4	631.3	655.6	661.8	662.1	665.1	745.3	663.4
47.5°	554.1	555.3	588.3	626.9	662.4	679.5	680.4	679.0	675.7	757.9	682.1
50°	568.8	570.6	605.2	646.0	683.7	702.5	709.4	708.0	699.6	771.4	695.1
52.5°	576.0	578.6	611.0	655.5	707.4	741.8	761.0	764.2	735.4	778.9	707.6
55°	518.4	522.1	552.0	612.8	720.6	802.6	832.8	832.2	774.1	801.3	737.9
57.5°	391.5	391.2	416.0	482.5	615.5	806.1	877.0	875.8	810.3	827.3	769.0
60°	266.5	264.7	271.3	303.5	430.4	656.7	798.1	814.3	784.6	764.2	652.9
62.5°	219.4	217.7	215.6	206.8	247.2	409.1	551.4	576.0	572.1	531.1	409.5
65°	179.6	180.9	186.8	183.1	171.9	209.8	286.2	300.8	275.0	231.4	143.1
67.5°	132.4	133.0	140.7	160.5	154.5	139.7	134.7	137.1	80.3	36.9	23.9
70°	78.2	78.7	85.7	112.3	125.4	107.2	91.0	89.6	31.8	9.9	10.8
72.5°	44.3	43.4	44.7	53.5	68.3	56.9	46.9	42.6	9.6	5.6	5.6
75°	21.0	20.4	17.6	16.5	15.0	9.6	6.0	5.1	2.4	2.3	2.3
77.5°	0.2	0.5	0.3	0.5	0.5	0.3	0.2	0.2	0.5	0.5	0.6
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°	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4
2.5°	534.0	529.5	528.4	528.1	523.9	519.4	514.8	513.0	510.3	508.6	510.0
5°	523.9	517.5	511.8	506.5	497.2	487.0	478.1	472.4	467.0	463.4	464.3
7.5°	509.7	501.3	488.2	474.8	457.7	442.4	425.3	414.8	405.0	399.6	402.1
10°	494.5	483.4	462.5	439.8	413.0	388.9	364.5	344.5	332.9	322.0	323.2
12.5°	479.6	464.9	433.7	399.3	365.4	329.9	293.0	265.3	246.4	232.8	230.7
15°	465.8	446.9	405.6	360.2	314.0	266.8	219.7	180.2	158.3	144.8	143.9
17.5°	453.5	430.1	376.5	319.4	261.4	201.1	146.9	117.3	104.7	98.8	98.2
20°	441.6	413.1	346.7	278.0	204.1	141.2	101.4	87.7	83.6	81.2	81.5
22.5°	430.2	394.6	315.5	232.0	153.0	99.1	78.5	73.3	72.8	73.1	73.3
25°	420.6	377.7	283.4	187.7	109.2	75.5	65.6	64.1	65.5	67.4	67.7
27.5°	415.7	363.9	252.0	143.1	79.0	61.4	56.9	57.5	59.9	62.0	62.3
30°	417.0	353.5	219.5	103.8	60.8	51.8	50.3	51.5	53.9	55.9	56.2
32.5°	426.6	348.2	186.4	75.5	50.0	45.2	44.6	45.5	47.6	49.1	49.3
35°	445.7	349.4	154.8	57.8	42.9	40.2	40.1	40.7	41.7	42.8	42.9
37.5°	473.8	359.2	123.7	48.1	38.9	36.9	36.3	36.3	37.1	37.5	37.8
40°	504.0	373.9	99.1	42.5	36.0	33.9	32.7	32.3	32.9	33.5	33.6
42.5°	528.9	388.6	80.5	38.6	33.8	30.9	29.4	29.1	29.9	30.9	31.2
45°	548.0	400.0	67.1	35.4	31.2	28.1	26.4	26.4	27.8	29.6	29.9
47.5°	565.4	409.2	57.2	32.6	28.8	25.5	23.9	24.2	26.4	28.8	29.3
50°	577.2	416.6	49.9	30.0	26.9	23.4	21.9	22.5	25.2	28.1	28.5
52.5°	590.0	425.6	45.0	27.8	25.1	21.8	20.4	20.9	23.9	27.0	27.6
55°	625.3	455.8	44.9	24.8	21.9	19.5	18.9	19.1	22.1	25.7	26.4
57.5°	654.1	482.3	47.9	20.9	18.3	17.1	16.8	17.0	19.7	23.7	24.6
60°	541.2	374.8	39.6	17.3	15.3	15.0	14.6	14.9	17.4	21.0	21.8
62.5°	320.3	214.3	18.9	13.2	13.1	12.8	12.3	12.9	15.3	18.5	18.9
65°	109.5	63.5	12.0	10.8	11.1	10.7	10.2	10.8	12.9	14.7	14.9
67.5°	21.0	16.8	9.6	9.0	9.2	8.3	8.1	8.7	9.9	10.2	10.1
70°	11.0	9.8	7.4	7.4	7.1	5.9	5.9	6.5	6.5	6.0	5.9
72.5°	5.7	5.4	4.8	5.4	4.5	3.6	3.6	3.9	3.6	3.0	3.0
75°	2.3	2.3	2.1	2.7	2.0	1.7	1.5	1.8	1.4	1.1	1.1
77.5°	0.6	0.6	0.6	0.8	0.5	0.5	0.3	0.3	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)