

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: P629118

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629118  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-722-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

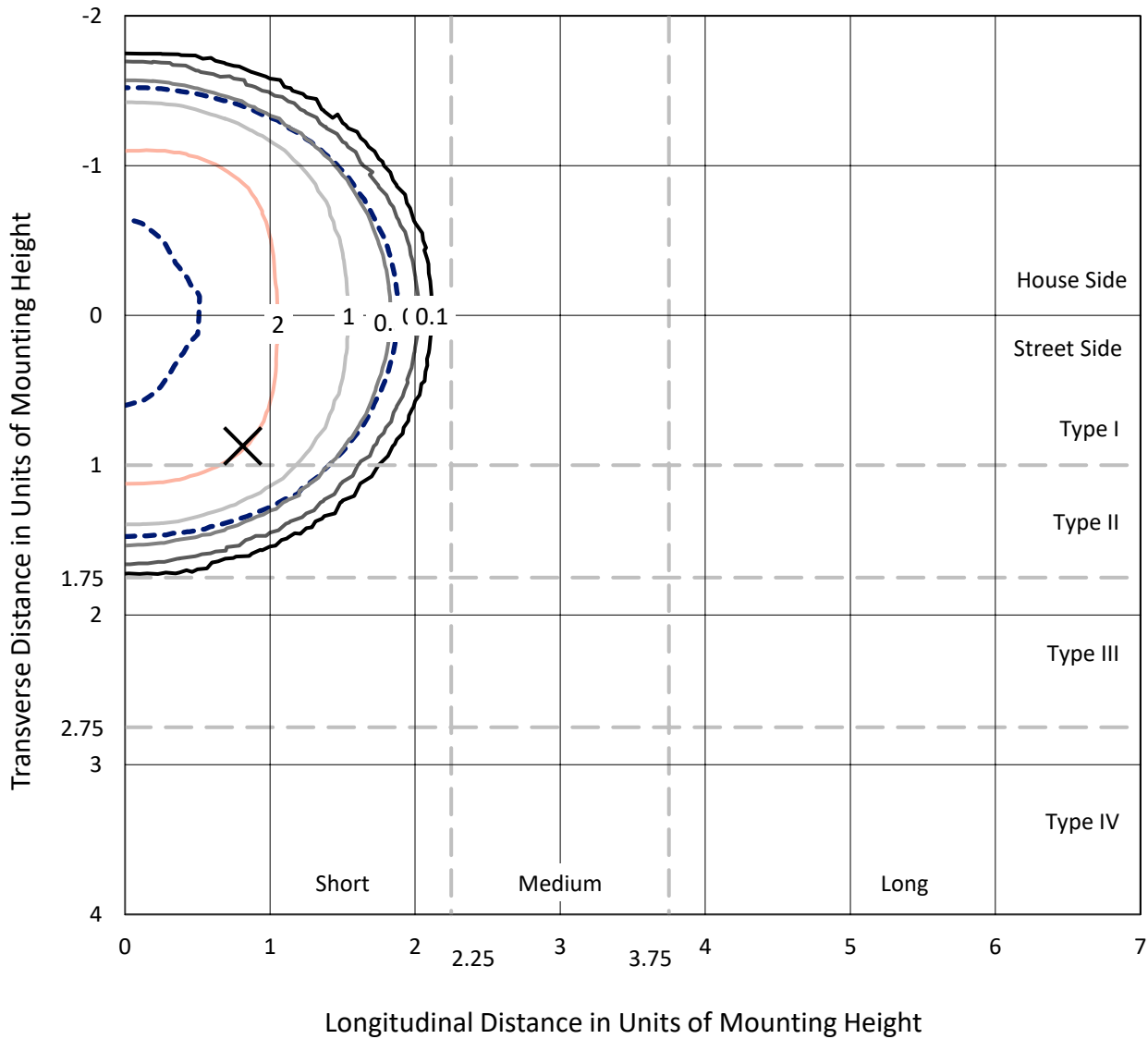
Lumens per Lamp: N/A  
Luminaire Lumens: 1711 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

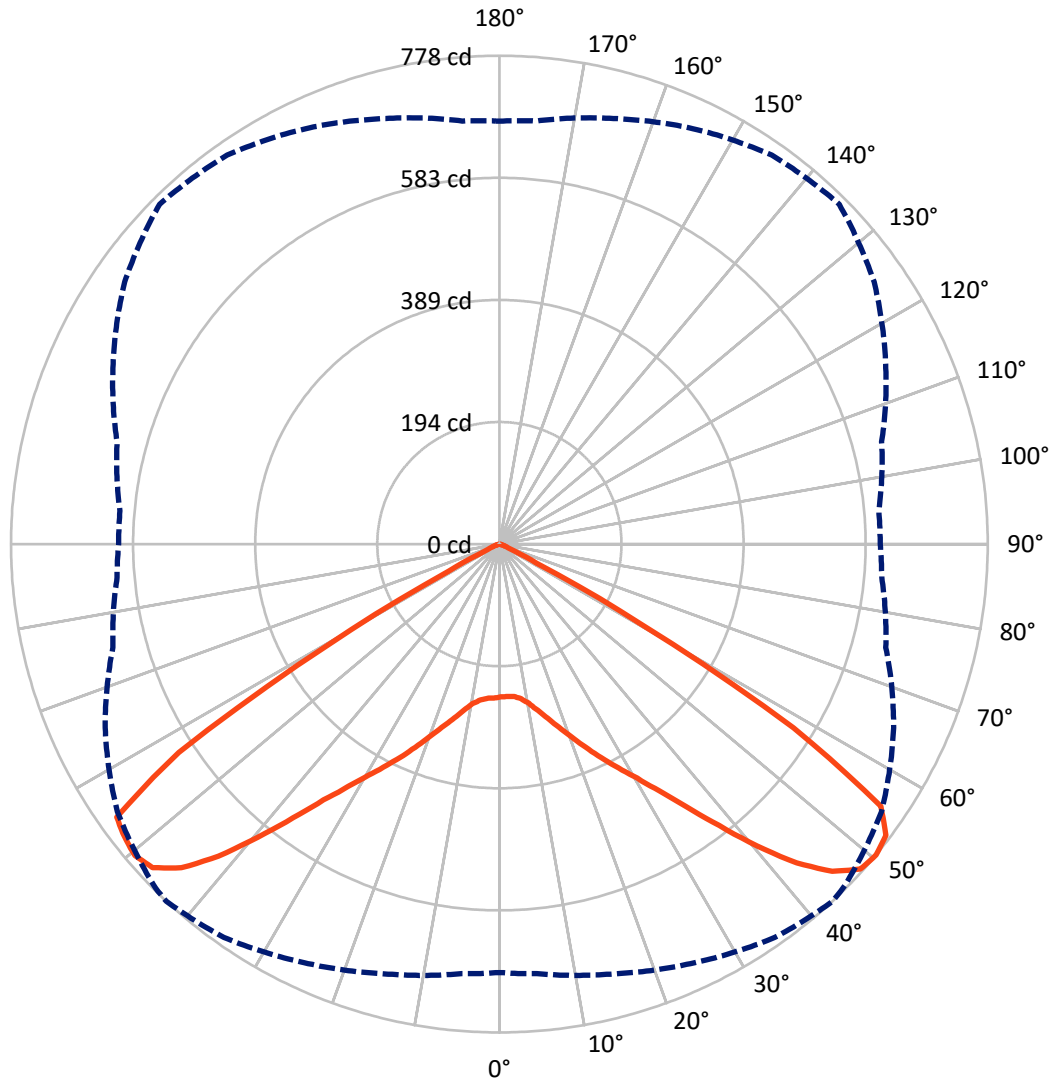
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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 CATALOG NUMBER: GWS-SA1B-722-U-RW-W-GRSBK

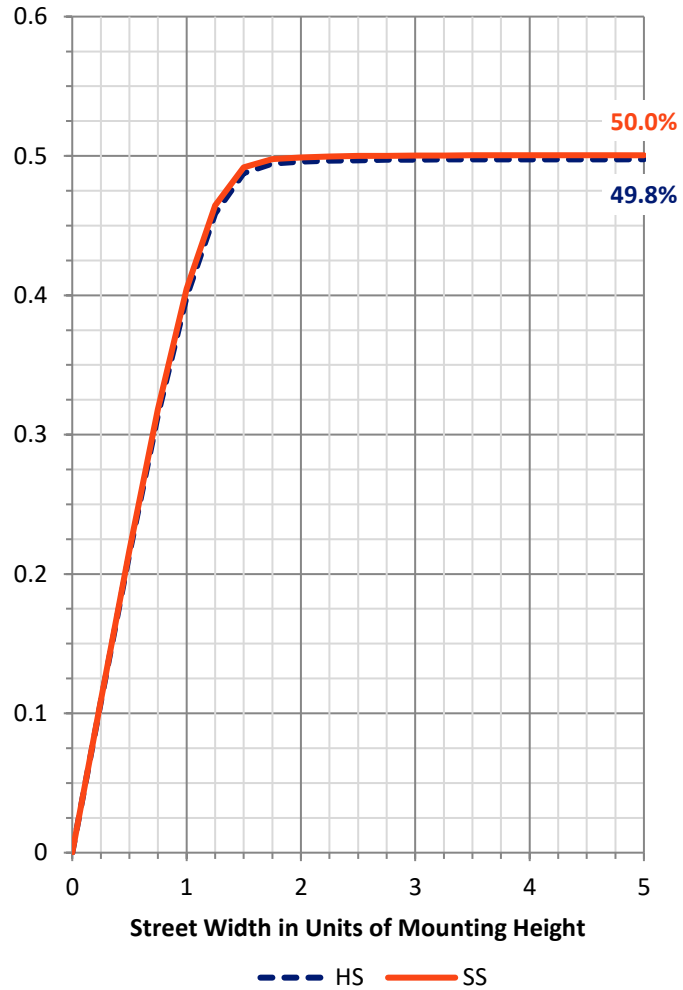
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	855.5	0.0	855.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	855.5	0.0	855.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1711.0	0.0	1711.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.0	1.4
10°-20°	82.5	4.8
20°-30°	166.9	9.8
30°-40°	309.6	18.1
40°-50°	513.9	30.0
50°-60°	524.4	30.7
60°-70°	86.0	5.0
70°-80°	3.8	0.2
80°-90°	0.1	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°	1711.0	100.0
0°-180°	1711.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629118

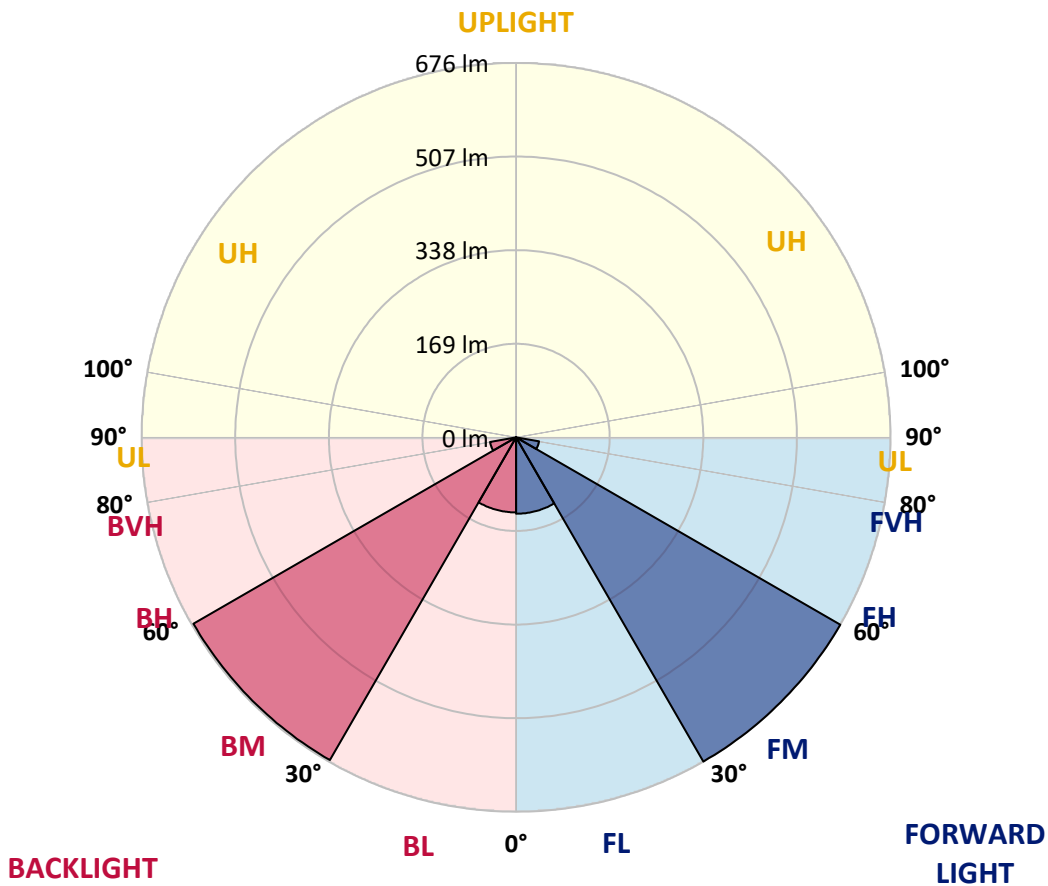
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.8	8.1			
FM (30°-60°)	675.6	39.5			
FH (60°-80°)	42.1	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	135.4	7.9	B1/500		
BM (30°-60°)	672.3	39.3	B1/1000		
BH (60°-80°)	47.7	2.8	B0/110		G0/660
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 V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	238.8	239.4	240.1	240.9	241.8	242.8	243.4	245.1	244.7	246.2	246.2
5°	236.2	236.7	237.7	239.4	241.5	243.6	245.1	248.5	250.4	253.4	254.5
7.5°	237.5	238.3	239.4	242.0	245.3	248.5	250.2	255.7	259.4	265.1	268.3
10°	241.8	242.6	244.5	249.0	253.2	257.7	259.8	266.8	272.9	280.6	285.2
12.5°	246.8	247.7	251.5	258.3	265.5	271.6	274.4	282.2	288.4	297.1	304.3
15°	251.9	253.4	259.3	269.3	279.5	287.6	290.7	299.0	305.2	314.5	322.7
17.5°	263.8	265.5	272.1	282.9	296.9	306.4	309.0	317.7	322.5	328.7	337.2
20°	278.8	282.0	290.1	303.2	318.5	327.6	329.5	338.0	337.6	340.3	347.6
22.5°	297.3	299.6	308.5	324.0	341.2	351.2	355.6	359.2	354.4	352.2	356.9
25°	316.6	319.2	328.9	345.9	365.2	376.8	380.4	383.2	375.6	367.1	367.7
27.5°	341.6	343.5	352.9	371.1	390.4	403.5	406.7	411.6	401.6	387.9	384.2
30°	371.3	373.2	383.2	402.3	421.4	432.6	437.5	443.6	432.6	415.6	411.2
32.5°	406.1	408.0	420.9	440.6	456.3	468.4	473.1	479.5	470.8	451.7	446.8
35°	447.7	448.9	464.0	485.4	502.1	513.8	517.0	524.6	514.9	495.8	493.2
37.5°	496.0	497.3	513.8	538.6	555.6	568.7	573.8	575.9	564.1	542.7	540.7
40°	549.0	553.3	569.4	596.1	615.2	631.7	636.2	629.2	612.8	583.6	579.8
42.5°	604.2	608.0	626.0	655.0	677.1	693.9	694.1	679.0	651.0	610.7	605.0
45°	650.2	651.7	675.0	704.2	731.4	743.3	744.5	717.0	674.8	626.4	614.3
47.5°	681.8	684.3	704.5	732.5	762.6	773.4	771.2	736.9	686.2	636.6	616.5
50°	682.2	686.4	708.3	735.4	764.5	777.6	774.4	742.6	692.6	637.0	611.1
52.5°	621.8	628.7	664.4	703.6	748.3	770.6	771.3	750.0	690.2	630.9	606.1
55°	469.1	476.5	521.5	588.3	674.6	736.9	747.7	741.3	687.3	633.6	614.8
57.5°	248.3	242.6	267.6	333.8	442.3	552.4	584.0	635.5	655.7	636.8	630.9
60°	54.1	57.7	76.8	103.5	172.6	259.8	290.7	378.9	483.7	530.3	563.9
62.5°	23.3	22.9	23.8	27.1	39.6	65.9	80.4	131.3	207.2	284.6	337.0
65°	19.1	19.3	20.1	20.1	18.7	18.9	19.9	30.1	48.4	67.9	91.2
67.5°	14.4	14.6	15.9	16.3	15.3	13.6	13.4	11.4	11.9	14.9	15.5
70°	9.1	9.1	9.8	10.2	10.2	9.5	9.3	8.1	7.9	9.1	10.2
72.5°	4.9	4.9	5.3	5.5	5.3	5.1	5.1	4.9	4.7	5.5	7.0
75°	2.1	2.1	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.5	3.8
77.5°	0.4	0.6	0.8	0.6	0.4	0.4	0.4	0.6	0.6	0.8	1.1
80°	0.2	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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



REPORT NUMBER: P629118  
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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	247.5	245.4	246.2	246.6	246.0	245.6	243.6	243.0	242.0	240.5	240.1
5°	255.9	254.1	254.0	252.8	250.2	247.0	243.0	241.3	239.4	237.5	237.1
7.5°	269.9	267.8	266.4	262.7	256.6	251.5	244.9	241.3	238.8	236.4	235.8
10°	287.8	285.4	281.6	274.6	266.4	259.1	251.3	246.6	242.8	239.4	239.2
12.5°	306.9	304.3	297.5	288.6	278.8	271.9	262.1	255.5	249.8	244.7	244.1
15°	327.0	323.8	314.5	303.9	294.8	287.8	277.0	266.4	257.7	250.4	249.6
17.5°	342.3	338.4	327.4	319.4	312.1	304.9	292.8	278.8	267.2	258.3	256.2
20°	352.0	348.2	337.8	333.4	330.0	324.9	310.5	296.0	283.1	272.1	270.2
22.5°	361.3	356.7	347.6	347.6	350.3	348.2	332.7	316.0	300.9	288.2	285.4
25°	371.7	368.1	361.6	366.9	373.6	373.4	357.5	336.7	319.2	305.1	302.2
27.5°	386.8	383.2	380.9	391.0	399.3	398.7	381.3	358.8	340.4	326.4	323.8
30°	413.5	410.1	407.6	419.7	430.3	426.4	407.2	385.5	366.9	351.0	349.1
32.5°	449.1	445.5	442.3	454.4	463.8	458.7	440.6	420.1	398.7	383.2	379.4
35°	495.8	488.2	485.0	499.4	503.4	497.7	480.3	462.3	439.6	421.8	419.4
37.5°	544.1	535.2	532.9	545.4	551.8	549.7	529.3	510.6	486.0	466.3	463.4
40°	585.3	577.2	573.2	592.7	607.3	608.6	590.2	567.3	538.4	517.9	512.8
42.5°	609.5	602.5	601.6	631.9	655.7	672.7	650.8	627.1	596.7	573.6	569.4
45°	615.0	610.5	618.4	658.2	695.3	726.3	707.6	682.6	649.7	625.2	621.3
47.5°	614.5	612.9	627.1	671.8	718.7	757.0	747.7	719.5	687.7	662.2	658.4
50°	606.3	606.5	630.2	678.6	728.2	765.3	756.0	729.9	701.5	676.3	673.3
52.5°	603.1	602.0	624.5	676.5	737.8	761.5	740.7	711.4	679.8	648.7	644.2
55°	614.5	611.6	625.2	674.8	739.0	759.4	704.5	641.0	576.2	539.5	536.5
57.5°	631.5	628.5	634.9	662.3	679.8	631.5	518.5	415.9	349.3	321.1	308.8
60°	563.9	561.9	556.9	523.8	449.3	338.9	230.9	147.2	105.8	85.5	85.5
62.5°	349.9	347.1	320.4	238.1	173.0	100.1	55.1	34.4	26.1	24.4	24.2
65°	98.2	97.6	80.8	57.2	36.3	22.5	19.9	20.2	19.9	19.3	19.1
67.5°	14.8	16.3	16.3	13.2	12.7	14.2	16.7	17.8	16.8	15.9	15.5
70°	9.5	10.2	9.8	8.5	9.1	10.6	11.9	12.1	11.5	10.6	10.4
72.5°	6.6	7.4	6.1	5.5	5.7	6.2	6.8	6.8	6.6	6.2	5.9
75°	4.0	4.0	2.8	2.6	2.6	2.8	2.8	3.2	3.2	3.0	2.8
77.5°	1.3	1.5	0.9	0.8	0.8	0.8	0.9	1.1	1.1	0.9	0.8
80°	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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)