

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: P628623

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628623  
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-SA1A-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**

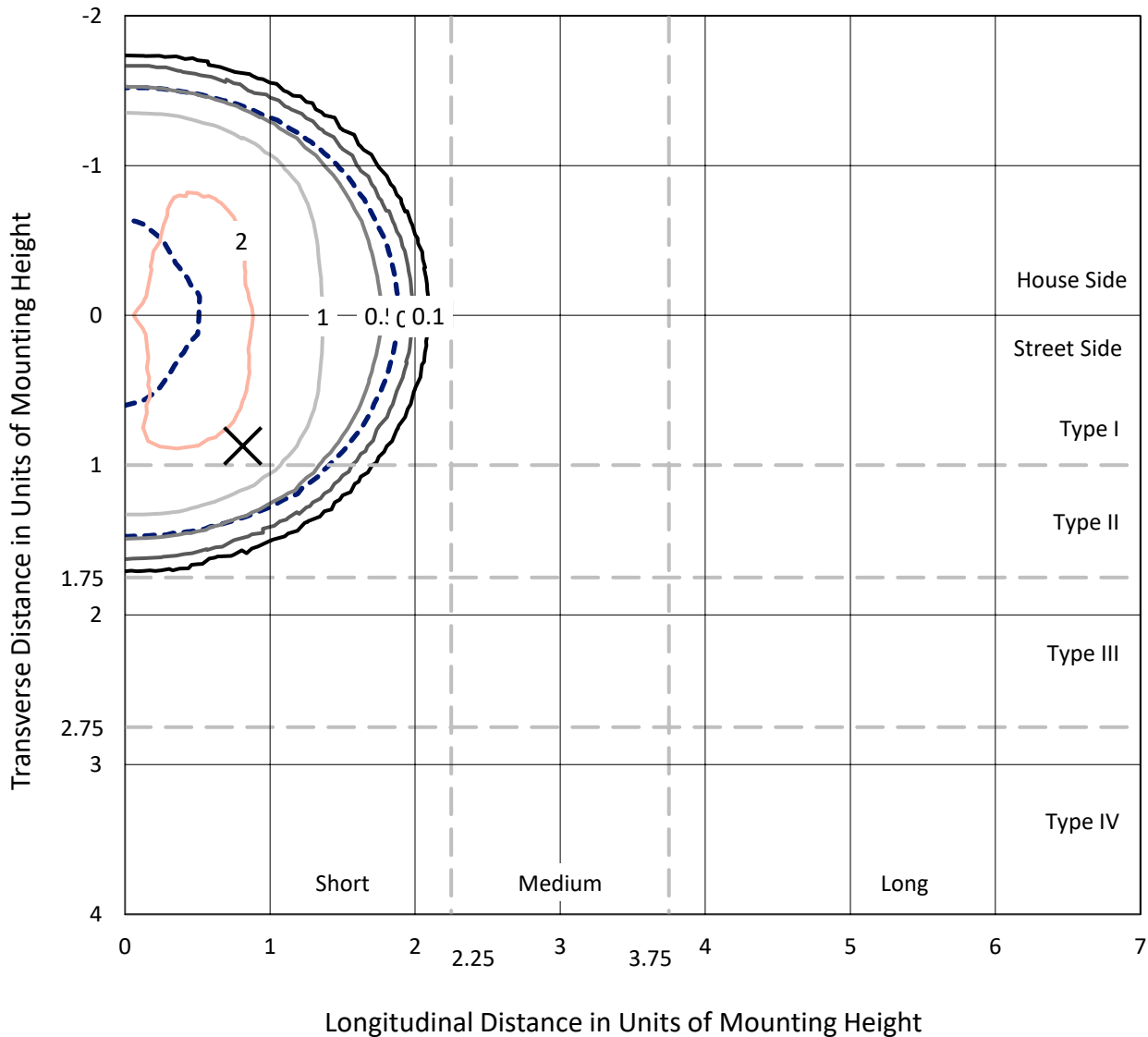
Lumens per Lamp: N/A  
Luminaire Lumens: 1357.6 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

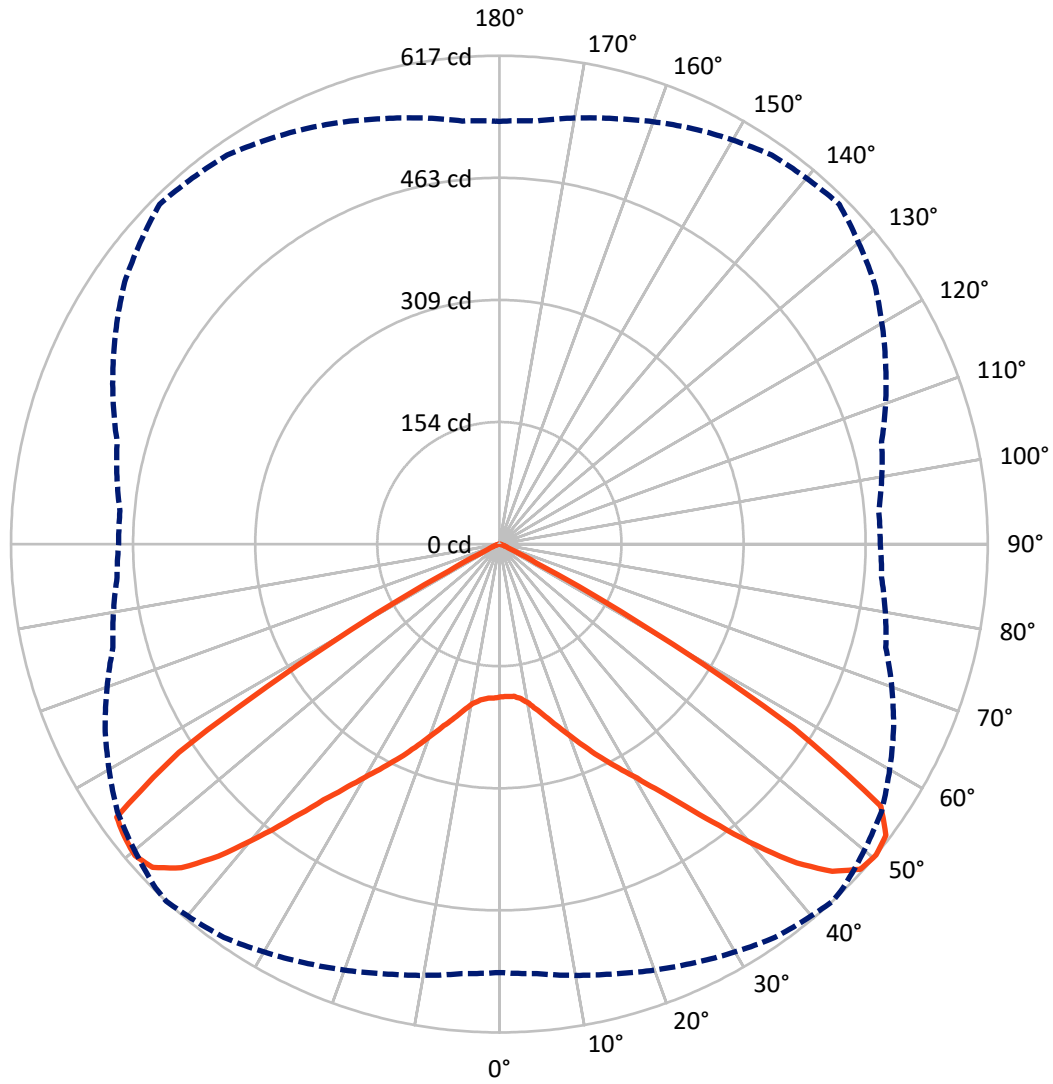
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 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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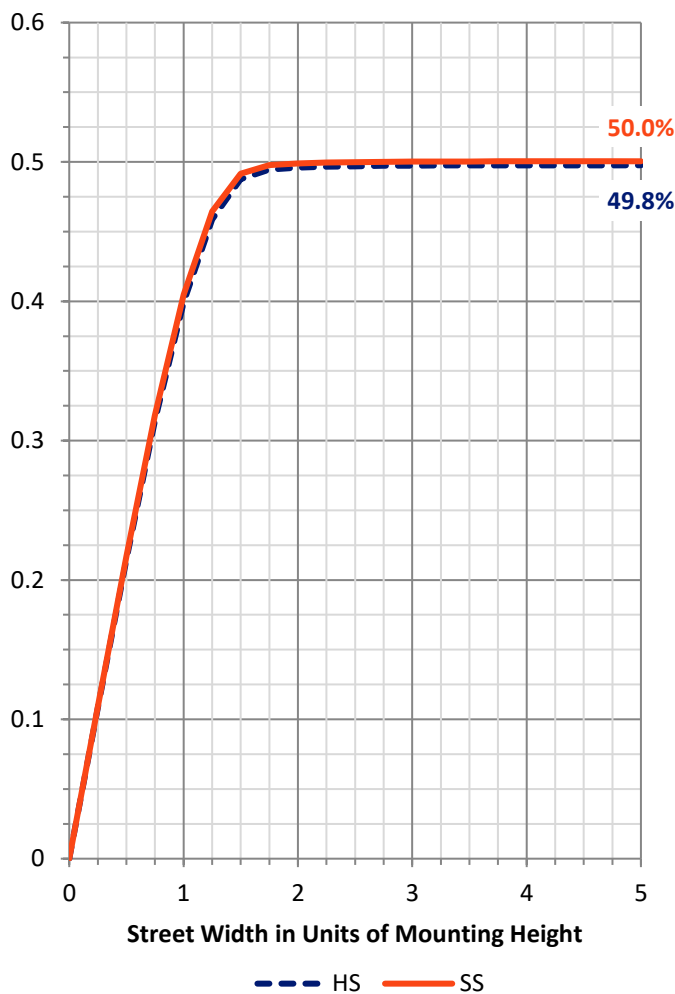
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	678.8	0.0	678.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	678.8	0.0	678.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1357.6	0.0	1357.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.0	1.4
10°-20°	65.4	4.8
20°-30°	132.4	9.8
30°-40°	245.6	18.1
40°-50°	407.7	30.0
50°-60°	416.1	30.6
60°-70°	68.2	5.0
70°-80°	3.0	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°	1357.6	100.0
0°-180°	1357.6	100.0

**Coefficient of Utilization**



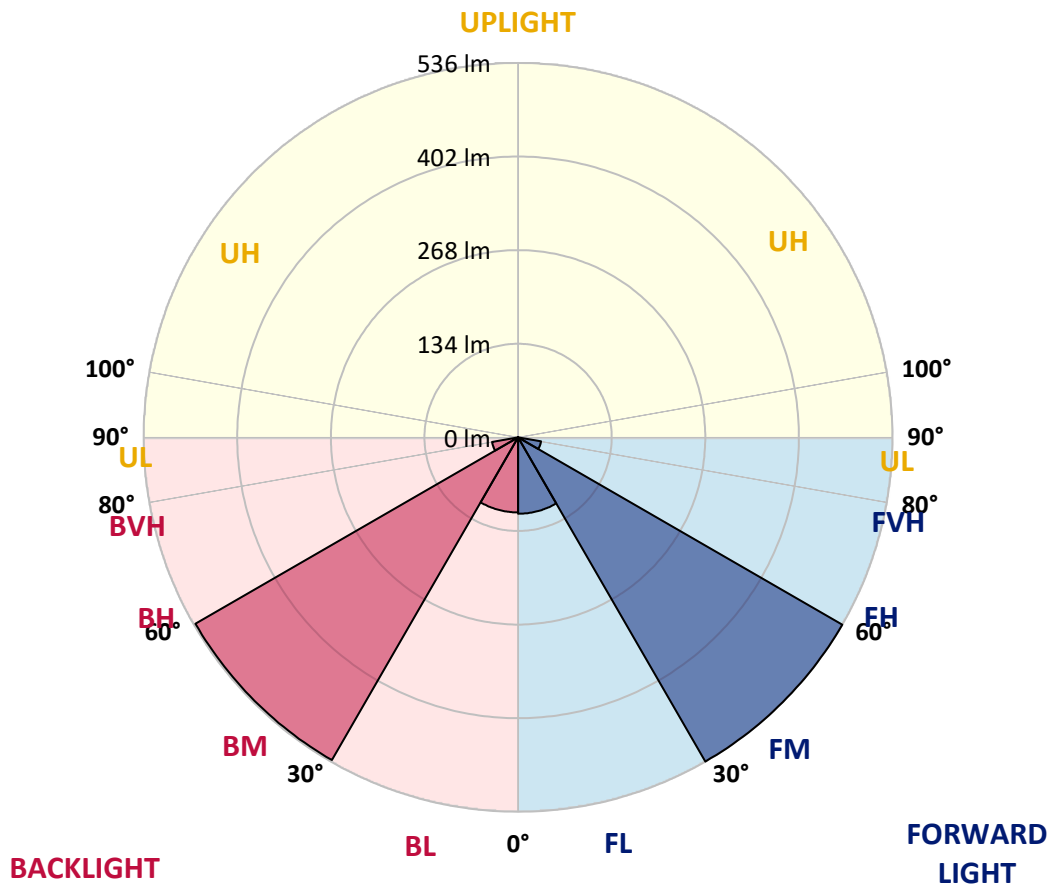
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.4	8.1			
FM (30°-60°)	536.0	39.5			
FH (60°-80°)	33.4	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	107.5	7.9	B0/110		
BM (30°-60°)	533.4	39.3	B1/1000		
BH (60°-80°)	37.9	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°	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1
2.5°	189.5	189.9	190.5	191.1	191.9	192.6	193.1	194.4	194.1	195.3	195.3
5°	187.4	187.8	188.6	189.9	191.6	193.2	194.4	197.2	198.7	201.1	202.0
7.5°	188.4	189.0	189.9	192.0	194.6	197.2	198.5	202.9	205.9	210.4	212.9
10°	191.9	192.5	194.0	197.6	200.9	204.5	206.2	211.7	216.5	222.7	226.3
12.5°	195.8	196.6	199.6	205.0	210.7	215.5	217.7	223.9	228.8	235.7	241.4
15°	199.9	201.1	205.7	213.7	221.8	228.2	230.6	237.2	242.2	249.6	256.0
17.5°	209.3	210.7	215.9	224.5	235.6	243.1	245.2	252.1	255.9	260.8	267.6
20°	221.2	223.7	230.2	240.5	252.7	259.9	261.4	268.2	267.9	270.0	275.8
22.5°	235.9	237.7	244.7	257.1	270.7	278.7	282.1	285.0	281.2	279.4	283.2
25°	251.2	253.3	261.0	274.5	289.8	299.0	301.8	304.1	298.1	291.3	291.7
27.5°	271.0	272.5	280.0	294.5	309.8	320.1	322.7	326.6	318.6	307.8	304.8
30°	294.6	296.1	304.1	319.2	334.4	343.3	347.2	352.0	343.3	329.7	326.3
32.5°	322.2	323.7	333.9	349.6	362.0	371.6	375.4	380.5	373.6	358.4	354.5
35°	355.3	356.2	368.2	385.1	398.4	407.7	410.2	416.2	408.6	393.4	391.3
37.5°	393.6	394.6	407.7	427.3	440.9	451.2	455.3	456.9	447.6	430.6	429.0
40°	435.6	439.0	451.8	473.0	488.1	501.2	504.8	499.3	486.2	463.1	460.1
42.5°	479.4	482.4	496.7	519.7	537.2	550.6	550.8	538.7	516.5	484.5	480.0
45°	515.9	517.1	535.6	558.7	580.3	589.8	590.7	568.9	535.4	497.0	487.4
47.5°	541.0	543.0	559.0	581.2	605.1	613.7	611.9	584.7	544.5	505.1	489.2
50°	541.3	544.6	562.0	583.5	606.6	617.0	614.4	589.2	549.6	505.4	484.8
52.5°	493.4	498.8	527.2	558.3	593.7	611.4	612.0	595.1	547.6	500.6	480.9
55°	372.2	378.1	413.8	466.8	535.3	584.7	593.3	588.2	545.4	502.7	487.8
57.5°	197.0	192.5	212.3	264.9	350.9	438.3	463.4	504.2	520.3	505.3	500.6
60°	42.9	45.8	61.0	82.1	136.9	206.2	230.6	300.6	383.8	420.7	447.5
62.5°	18.5	18.2	18.9	21.5	31.4	52.3	63.8	104.2	164.4	225.8	267.4
65°	15.2	15.3	15.9	15.9	14.9	15.0	15.8	23.9	38.4	53.9	72.4
67.5°	11.4	11.6	12.6	12.9	12.2	10.8	10.7	9.0	9.5	11.9	12.3
70°	7.2	7.2	7.8	8.1	8.1	7.5	7.4	6.5	6.3	7.2	8.1
72.5°	3.9	3.9	4.2	4.4	4.2	4.1	4.1	3.9	3.8	4.4	5.6
75°	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	2.0	3.0
77.5°	0.3	0.5	0.6	0.5	0.3	0.3	0.3	0.5	0.5	0.6	0.9
80°	0.2	0.2	0.3	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1
2.5°	196.4	194.7	195.3	195.6	195.2	194.9	193.2	192.8	192.0	190.8	190.5
5°	203.0	201.7	201.5	200.6	198.5	196.0	192.8	191.4	189.9	188.4	188.1
7.5°	214.1	212.5	211.4	208.4	203.6	199.6	194.3	191.4	189.5	187.5	187.1
10°	228.4	226.4	223.4	217.9	211.4	205.6	199.4	195.6	192.6	189.9	189.8
12.5°	243.5	241.4	236.0	229.0	221.2	215.8	208.0	202.7	198.2	194.1	193.7
15°	259.5	256.9	249.6	241.1	233.9	228.4	219.8	211.4	204.5	198.7	198.1
17.5°	271.6	268.5	259.8	253.5	247.6	241.9	232.3	221.2	212.0	205.0	203.3
20°	279.3	276.3	268.0	264.6	261.9	257.8	246.4	234.8	224.6	215.9	214.4
22.5°	286.6	283.0	275.8	275.8	277.9	276.3	264.0	250.8	238.7	228.7	226.4
25°	294.9	292.0	286.9	291.1	296.4	296.3	283.6	267.1	253.3	242.0	239.8
27.5°	306.9	304.1	302.3	310.2	316.8	316.4	302.6	284.7	270.1	259.0	256.9
30°	328.1	325.4	323.4	333.0	341.4	338.3	323.1	305.9	291.1	278.5	277.0
32.5°	356.3	353.5	350.9	360.5	368.0	364.0	349.6	333.3	316.4	304.1	301.1
35°	393.4	387.4	384.8	396.3	399.4	394.9	381.1	366.8	348.8	334.7	332.7
37.5°	431.7	424.6	422.8	432.7	437.8	436.2	420.0	405.1	385.6	370.0	367.7
40°	464.4	458.0	454.8	470.3	481.8	482.9	468.3	450.2	427.2	411.0	406.9
42.5°	483.6	478.1	477.3	501.4	520.3	533.8	516.4	497.6	473.4	455.1	451.8
45°	488.0	484.4	490.7	522.2	551.7	576.3	561.4	541.6	515.5	496.1	493.0
47.5°	487.5	486.3	497.6	533.0	570.3	600.6	593.3	570.9	545.7	525.4	522.4
50°	481.1	481.2	500.0	538.4	577.8	607.2	599.9	579.1	556.6	536.6	534.2
52.5°	478.5	477.6	495.5	536.8	585.4	604.2	587.7	564.4	539.4	514.7	511.1
55°	487.5	485.3	496.1	535.4	586.3	602.6	559.0	508.6	457.2	428.1	425.7
57.5°	501.1	498.7	503.8	525.5	539.4	501.1	411.4	330.0	277.2	254.8	245.1
60°	447.5	445.8	441.9	415.6	356.5	268.9	183.2	116.8	83.9	67.9	67.9
62.5°	277.6	275.4	254.2	188.9	137.2	79.4	43.7	27.3	20.7	19.4	19.2
65°	77.9	77.5	64.1	45.3	28.8	17.9	15.8	16.1	15.8	15.3	15.2
67.5°	11.7	12.9	12.9	10.5	10.1	11.3	13.2	14.1	13.4	12.6	12.3
70°	7.5	8.1	7.8	6.8	7.2	8.4	9.5	9.6	9.2	8.4	8.3
72.5°	5.3	5.9	4.8	4.4	4.5	5.0	5.4	5.4	5.3	5.0	4.7
75°	3.2	3.2	2.3	2.1	2.1	2.3	2.3	2.6	2.6	2.4	2.3
77.5°	1.1	1.2	0.8	0.6	0.6	0.6	0.8	0.9	0.9	0.8	0.6
80°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	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)