

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: P628624

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1846.6 lumens
Efficiency: N/A
Efficacy: 93.7 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

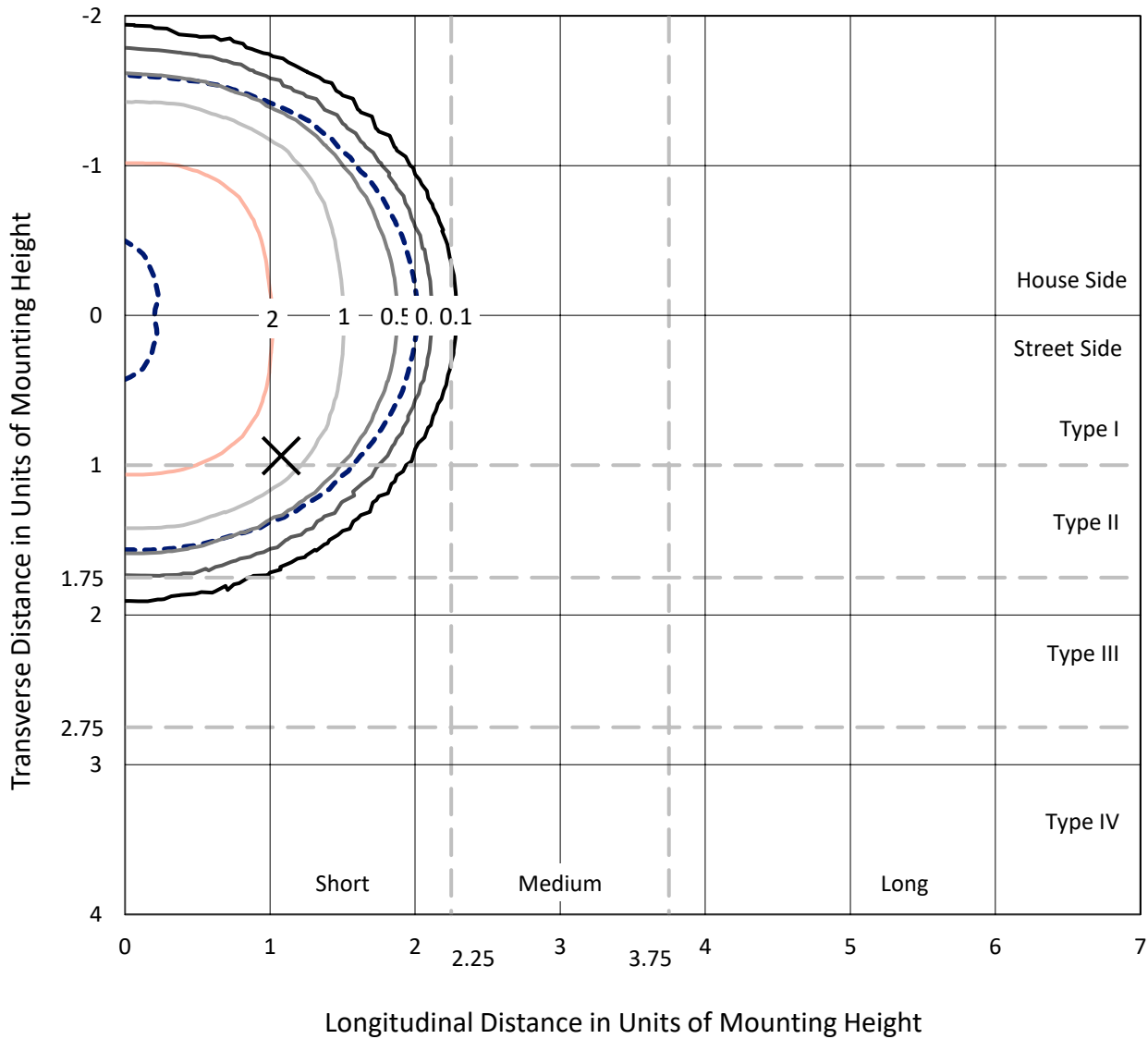


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Iso-Footcandle Lines of Horizontal Illumination

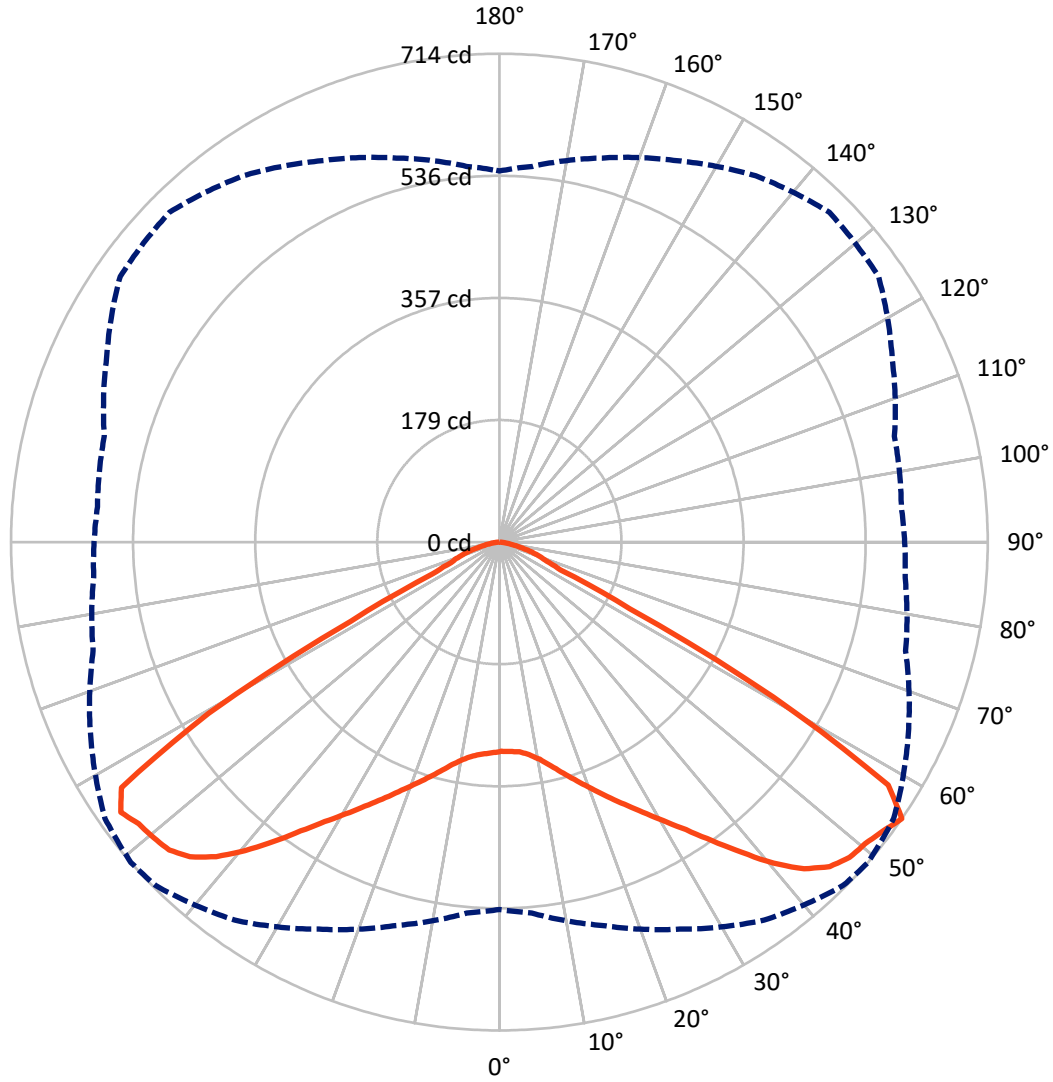
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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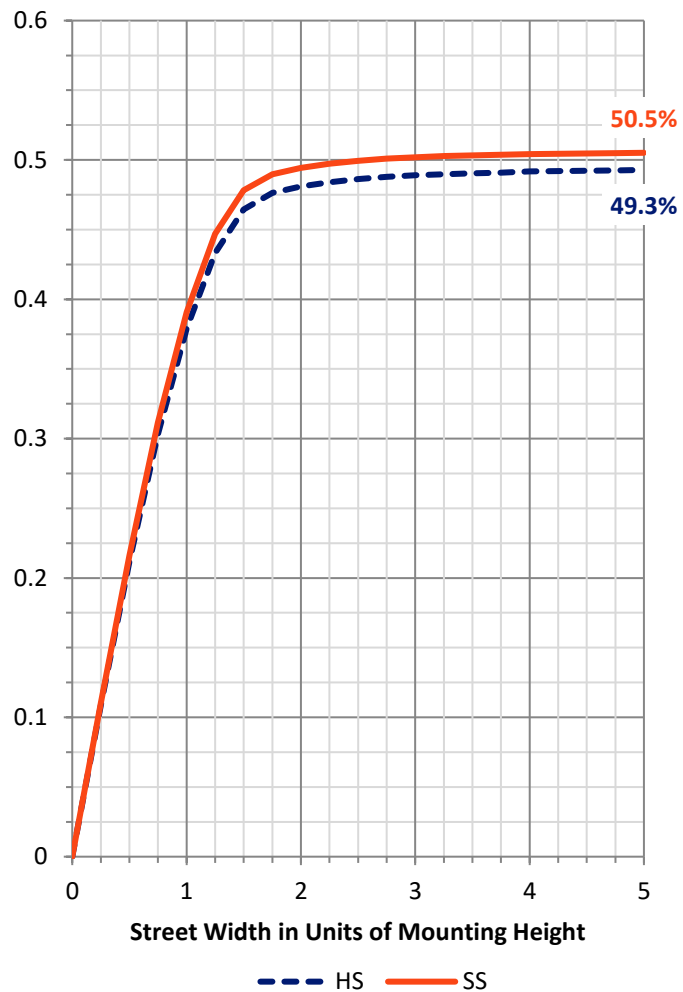
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	914.3	0.0	914.3
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	932.4	0.0	932.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	1846.6	0.0	1846.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	1.6
10°-20°	98.4	5.3
20°-30°	187.5	10.2
30°-40°	317.8	17.2
40°-50°	478.3	25.9
50°-60°	523.5	28.4
60°-70°	165.5	9.0
70°-80°	39.7	2.2
80°-90°	6.0	0.3
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°	1846.6	100.0
0°-180°	1846.6	100.0

Coefficient of Utilization



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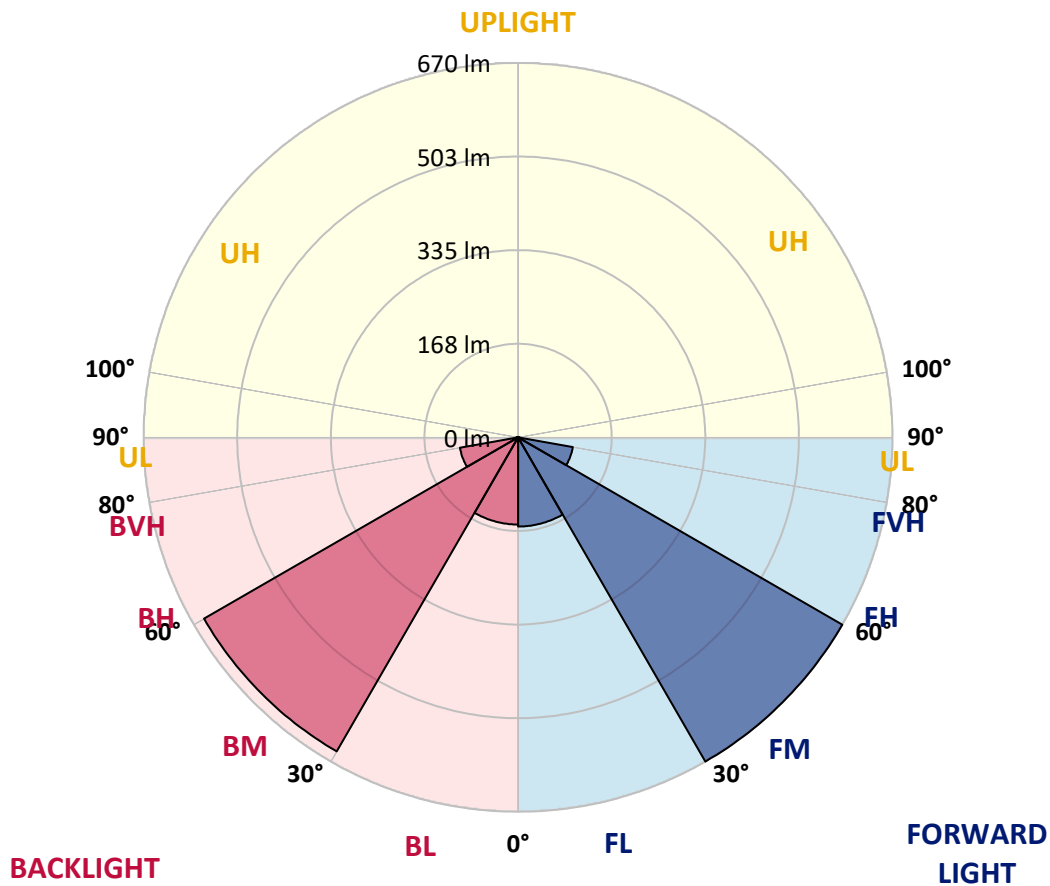
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.7	8.6			
FM (30°-60°)	670.4	36.3			
FH (60°-80°)	99.6	5.4			G0/660
FVH (80°-90°)	2.8	0.2			G0/10
BL (0°-30°)	156.1	8.5	B1/500		
BM (30°-60°)	649.3	35.2	B1/1000		
BH (60°-80°)	105.7	5.7	B0/110		G0/660
BVH (80°-90°)	3.2	0.2			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°	45°	49°	55°	65°	75°	85°
0°	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9
2.5°	301.4	301.7	302.3	303.3	304.4	305.9	306.5	307.3	307.1	308.0	308.0
5°	299.9	300.3	301.2	302.7	304.5	307.4	308.2	310.0	311.8	314.0	314.8
7.5°	301.7	302.3	303.3	305.8	308.5	312.2	313.7	316.7	320.2	324.2	325.9
10°	305.1	305.9	307.7	311.6	316.0	321.7	323.0	326.8	332.3	337.9	341.2
12.5°	309.1	310.3	313.6	319.7	326.2	333.7	335.8	340.4	346.4	353.7	358.2
15°	313.6	314.6	319.7	328.4	338.5	348.4	350.8	355.3	362.1	369.1	375.4
17.5°	323.0	324.8	330.8	340.9	352.6	364.3	367.0	372.1	377.5	383.1	389.1
20°	335.9	337.4	345.1	357.6	371.4	382.0	384.7	389.2	391.8	394.7	399.8
22.5°	348.8	351.0	359.7	374.4	390.6	402.2	404.3	408.5	406.7	405.8	409.1
25°	364.9	367.8	376.3	392.4	408.9	423.2	424.8	428.4	425.4	420.8	420.6
27.5°	384.9	387.4	396.3	412.8	429.2	444.1	447.2	452.0	445.4	439.7	435.6
30°	408.6	410.3	420.0	437.6	454.4	468.5	472.6	477.4	472.4	463.0	458.9
32.5°	436.2	438.5	449.8	468.2	483.3	497.4	501.4	507.4	502.0	491.4	486.3
35°	469.4	471.7	483.6	503.7	519.0	533.6	536.4	541.4	534.6	522.3	518.2
37.5°	505.5	508.3	523.3	542.4	558.5	575.5	575.6	577.1	567.5	552.2	547.7
40°	546.0	549.8	564.8	584.6	604.0	617.8	617.7	613.5	597.2	573.5	566.6
42.5°	586.1	589.1	604.3	624.7	644.1	657.2	653.2	643.0	619.6	587.3	578.2
45°	615.1	617.4	633.3	656.3	675.9	684.0	677.0	664.7	633.0	596.0	582.5
47.5°	628.8	631.8	647.8	670.7	692.9	697.5	689.1	677.6	640.8	604.1	586.0
50°	621.4	625.3	643.5	664.7	689.7	699.4	693.3	681.8	649.0	612.1	592.1
52.5°	602.3	606.1	629.1	654.8	683.1	702.2	702.1	692.6	658.5	614.4	592.4
55°	537.2	544.5	580.3	624.6	675.0	710.6	714.2	704.2	660.0	615.0	595.6
57.5°	349.6	362.5	396.5	454.1	555.3	646.3	670.7	673.1	649.2	612.4	596.2
60°	146.0	156.3	183.2	221.5	305.1	413.4	460.6	507.9	564.9	585.7	590.6
62.5°	90.7	91.6	94.3	103.0	131.0	183.8	214.1	258.4	343.3	415.5	448.9
65°	81.8	82.3	82.9	82.3	83.6	90.1	98.2	113.7	148.2	184.1	226.8
67.5°	72.1	72.7	73.1	72.7	73.1	73.4	74.3	75.7	82.0	87.1	91.0
70°	58.3	59.2	59.9	59.6	61.4	61.4	62.3	63.4	66.5	70.3	73.0
72.5°	44.5	43.7	44.6	44.9	46.6	47.5	48.8	50.0	53.6	55.9	59.3
75°	28.8	28.1	29.4	30.2	32.4	33.6	34.8	36.0	38.6	40.1	43.4
77.5°	15.6	15.5	16.8	17.9	20.3	21.8	22.7	23.6	25.7	26.1	28.2
80°	9.0	9.0	9.9	10.7	12.2	13.8	14.7	15.5	17.0	17.4	18.3
82.5°	5.0	5.0	5.4	5.9	7.1	8.0	8.7	9.3	10.7	11.1	11.6
85°	2.4	2.3	2.6	2.9	3.3	3.8	4.2	4.5	5.6	5.9	6.5
87.5°	0.3	0.3	0.3	0.5	0.6	0.9	1.1	1.1	1.7	2.0	2.3
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°	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9
2.5°	308.9	307.0	308.2	308.6	308.6	308.2	306.2	305.6	304.7	303.3	303.3
5°	315.8	314.3	314.6	313.9	312.1	309.8	306.2	304.4	302.9	301.2	301.1
7.5°	327.7	325.7	325.4	322.6	317.8	313.0	307.6	304.2	302.0	299.9	299.7
10°	343.1	341.3	339.1	333.4	326.3	319.3	311.9	307.4	304.1	301.1	300.9
12.5°	360.4	358.3	354.1	345.7	336.8	329.9	321.5	314.6	309.7	305.6	304.8
15°	379.2	376.2	369.0	359.1	350.4	343.0	334.0	324.1	316.6	310.1	309.4
17.5°	393.6	389.7	381.9	372.6	365.4	358.0	346.3	333.8	323.0	314.9	313.7
20°	403.5	400.4	391.5	384.6	380.4	373.9	360.3	346.1	334.0	323.8	323.2
22.5°	412.7	408.9	400.2	396.2	396.2	391.8	378.7	362.1	347.8	335.9	334.4
25°	423.0	419.0	412.4	411.9	414.0	412.1	396.3	378.4	361.8	348.4	346.0
27.5°	437.5	432.9	429.0	431.7	434.7	432.6	415.1	394.4	376.8	363.3	361.2
30°	460.4	454.9	451.3	454.6	460.4	454.3	435.2	413.3	395.6	380.7	379.6
32.5°	487.2	480.9	477.1	482.4	487.6	478.0	459.1	438.1	419.4	403.8	402.0
35°	519.3	511.3	505.8	512.8	518.2	508.8	490.0	470.0	449.3	433.1	430.7
37.5°	547.8	538.2	534.5	544.4	551.6	545.4	525.0	506.2	483.6	465.8	464.8
40°	568.6	559.1	556.4	572.8	585.4	583.9	565.5	544.1	522.7	502.3	500.4
42.5°	577.6	571.0	571.6	593.6	613.2	622.8	606.4	583.4	562.8	541.7	540.3
45°	579.5	575.5	580.3	607.9	633.6	653.2	639.3	620.1	596.8	576.4	575.8
47.5°	581.6	579.4	586.7	616.0	646.5	669.3	661.5	641.7	618.1	598.1	596.6
50°	586.6	585.7	593.9	621.7	652.6	673.7	664.8	645.1	621.0	601.3	597.7
52.5°	588.1	586.6	598.4	630.6	662.9	673.5	654.4	628.8	604.4	582.5	578.8
55°	592.7	590.0	598.1	633.9	677.0	682.2	653.8	615.4	581.5	551.6	542.7
57.5°	593.9	590.9	596.2	628.5	661.7	657.0	574.7	496.6	432.6	399.5	403.2
60°	587.5	588.4	579.4	575.8	530.7	468.5	351.9	281.3	220.9	195.4	200.9
62.5°	447.2	451.0	420.2	365.4	281.0	222.7	147.3	114.4	96.9	92.4	93.1
65°	225.7	230.8	198.8	164.4	122.2	98.8	85.4	82.7	81.8	80.8	80.8
67.5°	89.4	90.9	89.7	83.9	78.1	76.0	75.4	75.1	74.0	73.4	73.6
70°	71.8	73.0	71.2	67.6	65.2	65.0	64.7	64.1	63.4	63.4	63.8
72.5°	58.6	59.8	57.2	55.0	53.2	51.8	51.1	50.6	49.6	49.6	50.0
75°	43.1	43.9	41.7	41.4	39.5	38.1	36.9	36.3	35.0	34.4	34.8
77.5°	28.7	28.5	27.5	27.5	26.7	25.1	23.7	22.4	20.6	19.4	19.7
80°	18.6	18.6	18.2	18.2	17.4	16.1	14.4	13.1	12.0	11.1	11.1
82.5°	11.9	11.7	11.6	11.4	11.1	9.8	8.6	7.7	6.9	6.3	6.5
85°	6.6	6.6	6.3	6.3	5.7	5.0	4.4	3.8	3.3	3.2	3.2
87.5°	2.3	2.3	2.1	2.1	1.8	1.4	1.1	0.9	0.8	0.6	0.8
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)