

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: P#

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

Issue Date: 3/8/2023

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/8/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2156.3 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

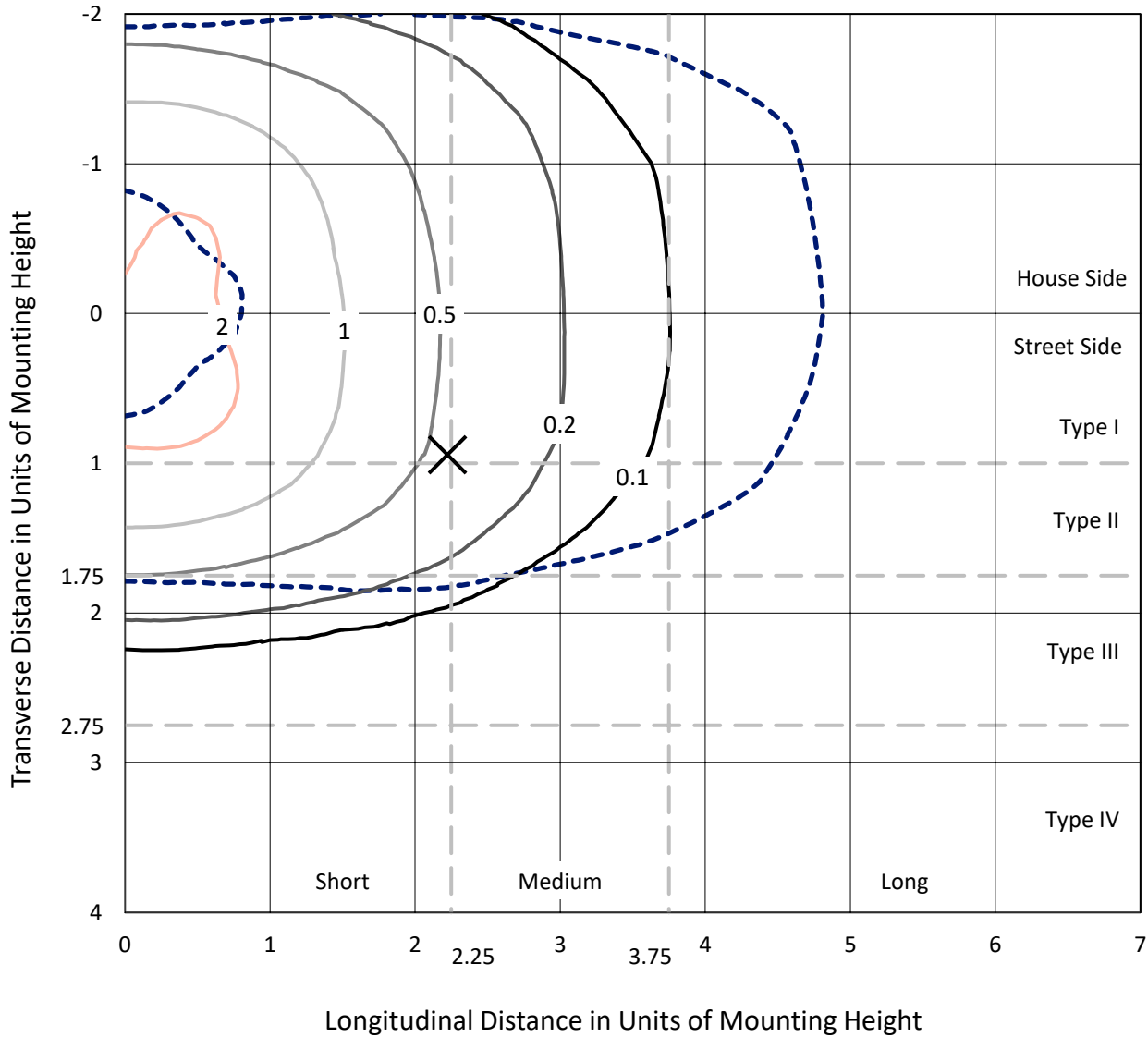
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P#
 CATALOG NUMBER: GWS-SA1A-722-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination

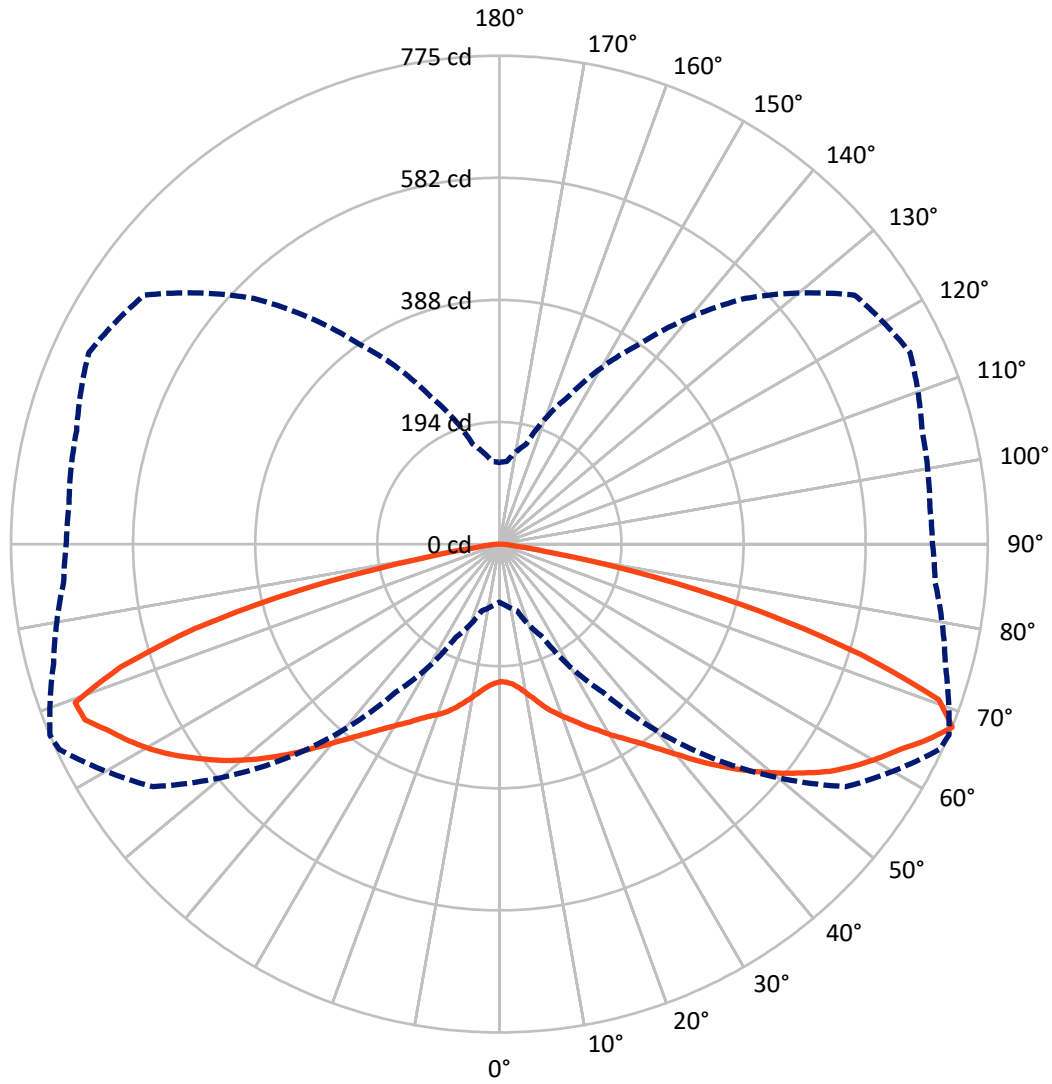
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

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CATALOG NUMBER: GWS-SA1A-722-U-RW-W

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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 CATALOG NUMBER: GWS-SA1A-722-U-RW-W

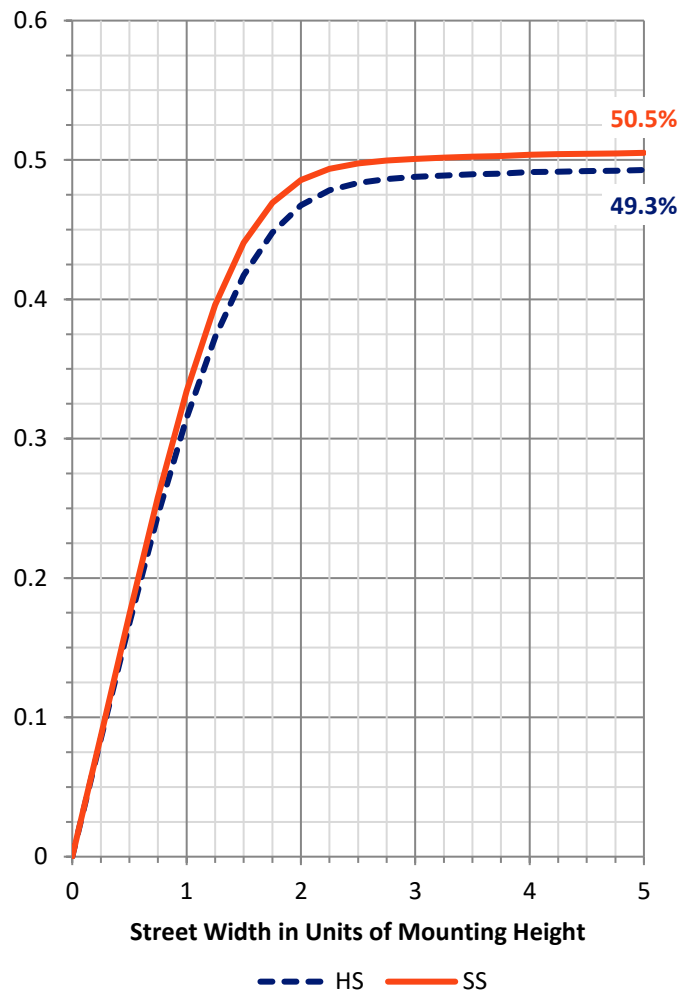
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1066.3	0.0	1066.3
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	1090.1	0.0	1090.1
	% Fixture	50.6	0.0	50.6
Total	Lumens	2156.3	0.0	2156.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	1.0
10°-20°	72.4	3.4
20°-30°	142.0	6.6
30°-40°	241.9	11.2
40°-50°	388.4	18.0
50°-60°	527.8	24.5
60°-70°	504.9	23.4
70°-80°	240.0	11.1
80°-90°	17.4	0.8
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°	2156.3	100.0
0°-180°	2156.3	100.0

Coefficient of Utilization



REPORT NUMBER: P#

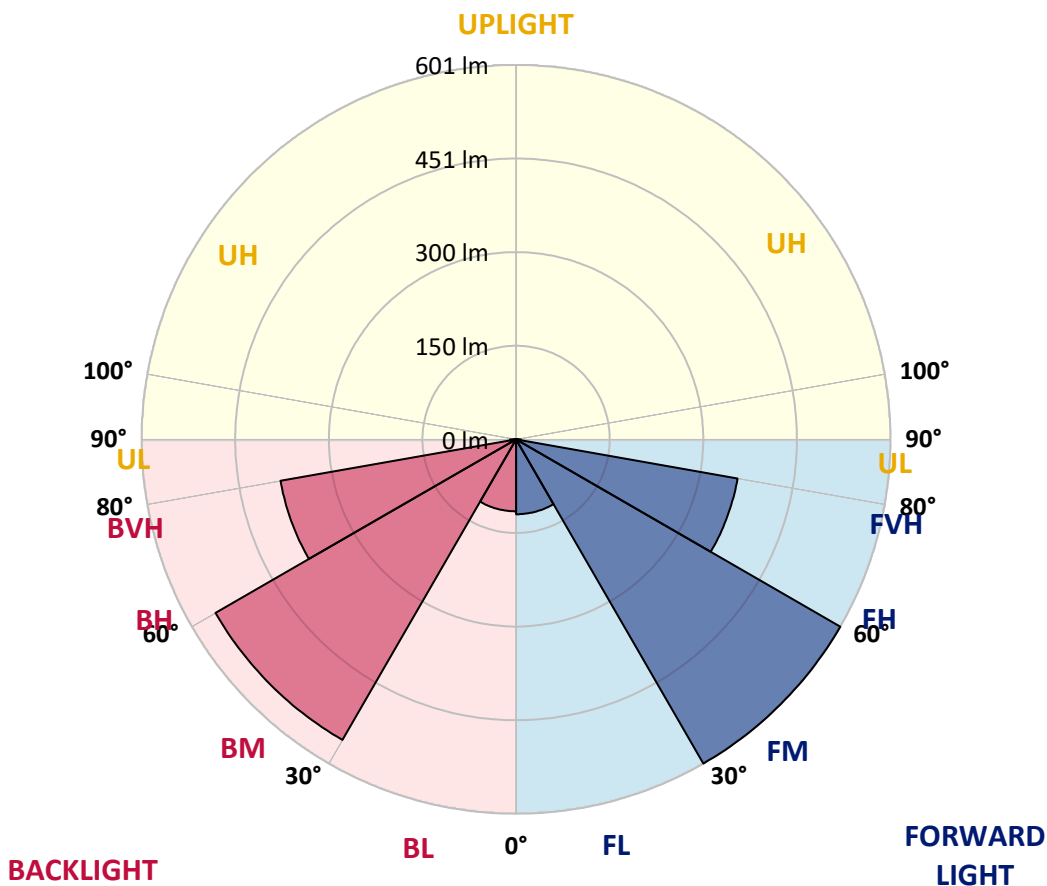
CATALOG NUMBER: GWS-SA1A-722-U-RW-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.2	5.6			
FM (30°-60°)	601.0	27.9			
FH (60°-80°)	361.0	16.7			G0/660
FVH (80°-90°)	7.8	0.4			G0/10
BL (0°-30°)	115.5	5.4	B1/500		
BM (30°-60°)	557.2	25.8	B1/1000		
BH (60°-80°)	383.9	17.8	B1/500		G1/500
BVH (80°-90°)	9.6	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P#
 CATALOG NUMBER: GWS-SA1A-722-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3
2.5°	213.8	214.1	214.6	215.5	216.4	217.7	219.1	218.9	219.5	220.0	220.4
5°	212.6	212.9	213.7	214.9	216.2	218.5	221.3	222.5	223.4	225.1	226.6
7.5°	215.2	215.8	216.8	218.5	220.6	223.4	227.3	229.4	230.8	233.8	236.4
10°	218.6	219.4	221.5	224.6	227.8	232.2	237.1	240.3	241.2	245.1	249.9
12.5°	221.9	222.8	226.3	232.0	237.7	243.6	249.4	253.3	253.6	258.9	264.3
15°	227.2	227.9	232.6	240.0	248.7	256.8	264.0	266.7	267.9	271.6	278.4
17.5°	238.8	239.7	245.7	253.6	262.8	271.3	278.6	280.8	280.8	284.0	289.5
20°	251.2	252.1	260.1	270.3	281.4	290.1	295.7	293.6	292.8	293.7	297.6
22.5°	265.2	266.8	274.5	286.4	300.0	310.7	313.5	307.2	305.1	303.0	303.9
25°	283.1	285.0	292.5	305.1	318.5	329.8	331.4	321.6	320.4	313.1	310.4
27.5°	303.6	305.1	314.4	326.9	339.4	348.8	350.6	338.6	334.6	324.4	318.0
30°	330.2	331.6	339.7	352.0	362.8	369.4	371.7	355.1	352.0	336.4	326.6
32.5°	359.2	359.8	368.1	379.9	389.5	395.8	392.7	373.5	368.8	351.2	337.9
35°	392.4	392.4	403.0	412.6	420.3	422.1	416.1	394.2	388.8	369.7	353.0
37.5°	425.0	425.9	435.8	447.2	453.9	453.6	442.7	418.7	412.5	391.8	373.3
40°	460.3	462.2	472.1	484.9	491.3	490.4	473.6	446.9	440.6	416.1	398.1
42.5°	492.7	495.8	507.4	520.5	527.5	526.9	509.4	479.3	473.2	445.5	427.5
45°	518.5	521.8	536.2	554.4	565.7	564.6	546.9	513.0	505.4	476.5	456.6
47.5°	541.2	544.6	560.7	579.9	597.8	599.6	583.4	546.9	538.9	509.7	487.3
50°	558.6	560.3	578.3	599.3	620.0	630.1	616.0	581.0	571.4	542.4	517.2
52.5°	557.3	559.5	581.7	610.3	638.0	654.6	644.8	613.1	603.8	572.3	547.6
55°	529.8	532.0	558.5	600.1	648.1	672.4	671.4	643.7	637.0	602.8	579.3
57.5°	489.7	494.6	520.9	565.8	634.9	686.7	690.9	671.7	664.6	632.6	610.7
60°	417.9	424.5	454.8	513.1	592.5	681.9	711.8	695.3	690.9	660.4	639.1
62.5°	303.6	308.4	348.8	425.3	529.8	647.7	729.3	719.6	716.3	685.3	664.8
65°	181.8	192.8	225.2	300.8	427.4	583.1	719.7	751.4	748.0	711.0	686.7
67.5°	92.1	97.0	109.8	163.1	287.4	482.5	671.5	771.2	775.4	732.9	694.5
70°	57.1	58.4	62.0	80.5	143.6	317.0	549.1	719.6	740.2	729.5	674.2
72.5°	45.8	46.1	46.7	50.2	68.9	148.2	347.2	563.6	600.7	681.3	645.3
75°	38.0	38.1	38.3	39.3	42.9	60.5	168.9	387.3	430.7	579.0	598.3
77.5°	30.5	29.7	30.3	30.8	31.7	33.8	58.3	206.6	250.6	380.1	462.7
80°	19.8	19.5	20.7	21.2	22.1	23.4	31.1	70.1	85.1	138.3	147.2
82.5°	10.7	10.1	12.6	12.2	12.6	13.7	18.3	25.7	28.8	41.7	35.3
85°	3.3	3.3	3.5	4.1	5.0	4.8	8.0	12.6	14.0	17.9	13.2
87.5°	0.6	0.6	0.6	0.6	0.6	0.8	1.7	2.6	3.5	6.2	4.7
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: P#
 CATALOG NUMBER: GWS-SA1A-722-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3
2.5°	221.3	220.0	220.7	221.2	221.0	220.7	219.2	218.9	218.2	217.0	216.7
5°	227.9	226.4	226.6	226.1	224.6	222.7	219.4	217.7	216.4	214.9	214.7
7.5°	238.3	236.7	236.2	234.1	229.9	225.4	220.1	217.1	214.9	212.9	212.6
10°	251.5	249.9	248.4	243.4	236.5	230.5	223.6	219.2	215.9	213.5	213.1
12.5°	266.2	264.9	261.1	253.9	245.7	238.6	231.6	226.1	221.3	217.7	217.3
15°	282.6	279.6	273.9	264.6	256.8	251.1	242.5	235.2	227.5	222.7	221.6
17.5°	294.0	291.5	284.7	275.7	269.5	264.6	254.5	244.0	233.7	226.6	225.1
20°	302.1	299.4	291.8	285.2	283.2	279.0	267.3	255.1	243.1	234.4	232.5
22.5°	308.0	305.1	297.3	294.0	296.7	296.0	284.6	270.7	256.5	246.1	243.7
25°	313.5	310.8	303.9	305.1	312.3	314.6	302.3	286.2	270.0	257.8	255.0
27.5°	318.8	315.3	312.2	318.8	329.0	333.2	320.1	302.0	284.4	271.9	269.7
30°	326.9	322.9	322.4	332.0	348.2	351.8	337.4	319.2	301.8	289.2	286.4
32.5°	337.1	333.4	333.7	348.1	366.8	369.9	357.5	340.6	323.2	310.5	306.6
35°	350.9	346.3	348.8	366.5	385.5	391.0	381.1	367.0	350.0	337.1	332.8
37.5°	370.0	363.2	368.5	387.1	406.2	414.5	406.8	396.3	379.5	366.4	362.3
40°	394.3	388.8	390.9	411.4	431.1	441.0	436.2	425.9	409.2	395.5	390.9
42.5°	423.2	417.6	416.9	438.8	458.4	473.5	468.8	459.3	442.1	426.5	422.0
45°	451.4	446.3	447.3	469.7	491.8	508.2	503.5	492.4	473.6	455.6	452.0
47.5°	480.8	476.6	477.5	501.2	525.6	541.9	536.1	522.6	500.6	481.4	477.1
50°	511.0	506.2	507.6	532.5	558.8	574.2	565.2	545.2	521.1	502.3	498.5
52.5°	541.0	535.3	538.8	562.4	589.5	601.9	585.2	561.0	537.6	519.0	514.8
55°	575.6	569.6	565.8	591.0	617.9	623.0	600.2	572.0	544.2	523.0	520.5
57.5°	607.1	602.0	594.9	620.2	640.0	636.2	611.8	569.0	528.1	500.9	497.3
60°	635.3	631.0	624.8	646.3	655.3	646.9	602.5	533.4	488.5	460.1	458.4
62.5°	661.3	656.7	651.0	669.3	668.1	648.6	560.1	478.7	418.7	388.2	385.5
65°	681.9	677.7	676.0	690.5	688.5	616.3	494.2	389.2	305.9	271.5	270.4
67.5°	687.7	686.1	695.0	719.4	688.9	551.4	387.6	258.1	164.3	131.7	129.7
70°	665.8	665.7	691.1	726.0	626.5	421.2	228.7	116.4	82.6	73.3	72.1
72.5°	637.3	636.8	657.0	626.3	464.6	230.5	96.3	62.3	51.7	49.1	49.1
75°	590.4	589.2	604.4	476.5	261.3	86.8	51.1	42.8	40.5	40.1	40.1
77.5°	481.3	471.2	447.3	294.5	91.1	42.6	33.8	33.6	32.3	32.1	32.1
80°	158.3	158.3	184.0	112.3	40.2	26.3	23.9	25.1	23.7	22.8	22.7
82.5°	25.8	35.6	50.6	32.1	21.8	16.4	14.7	15.6	16.4	13.1	13.1
85°	10.2	13.4	19.5	15.0	10.1	6.6	7.1	7.8	6.9	6.0	5.9
87.5°	3.9	4.8	6.9	3.6	2.1	1.2	0.8	0.8	0.6	0.6	0.6
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)