

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: P629159

Luminaire Tested: GWS-SA1B-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2617.4 lumens
Efficiency: N/A
Efficacy: 104.7 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

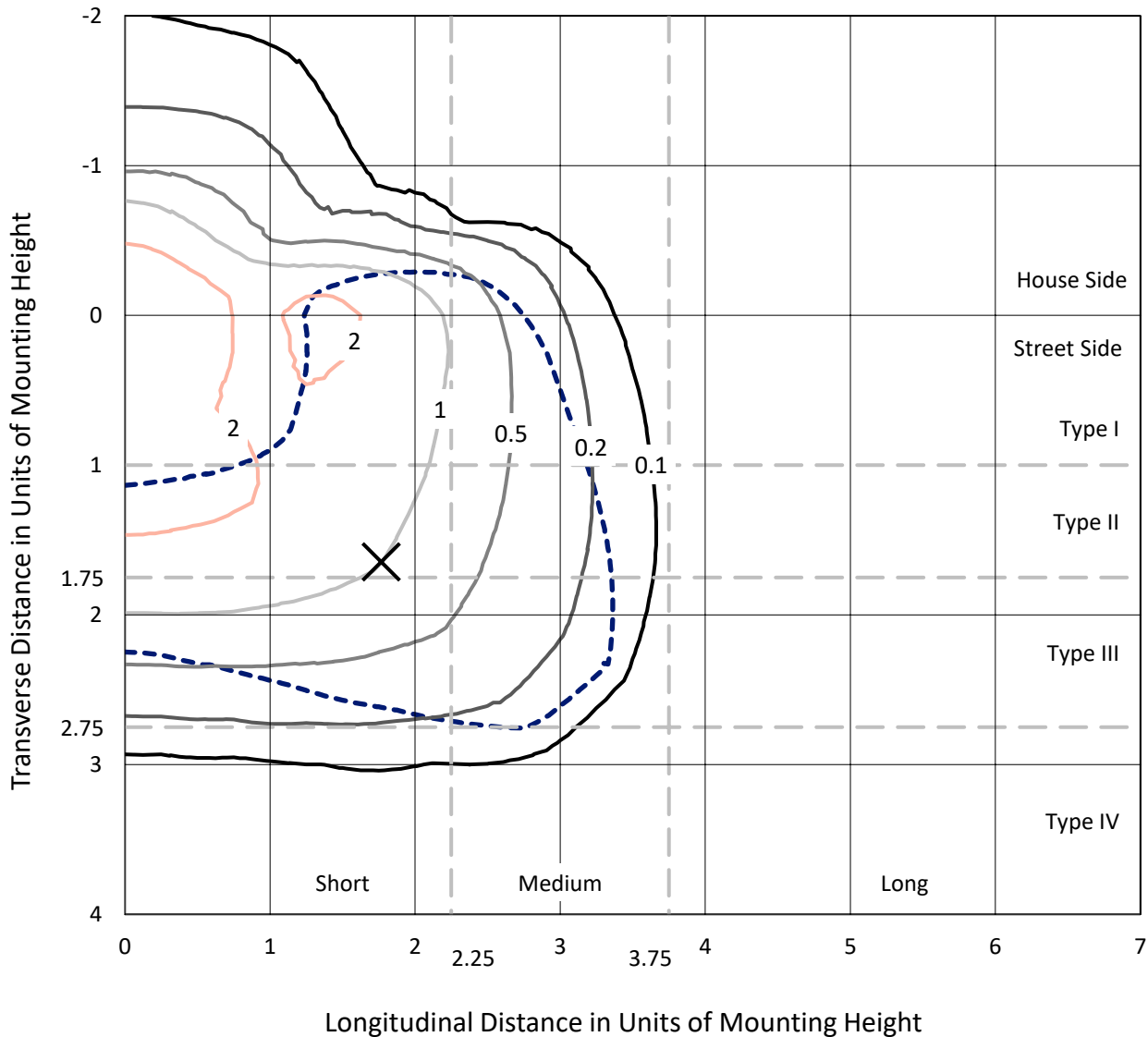
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629159
 CATALOG NUMBER: GWS-SA1B-722-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

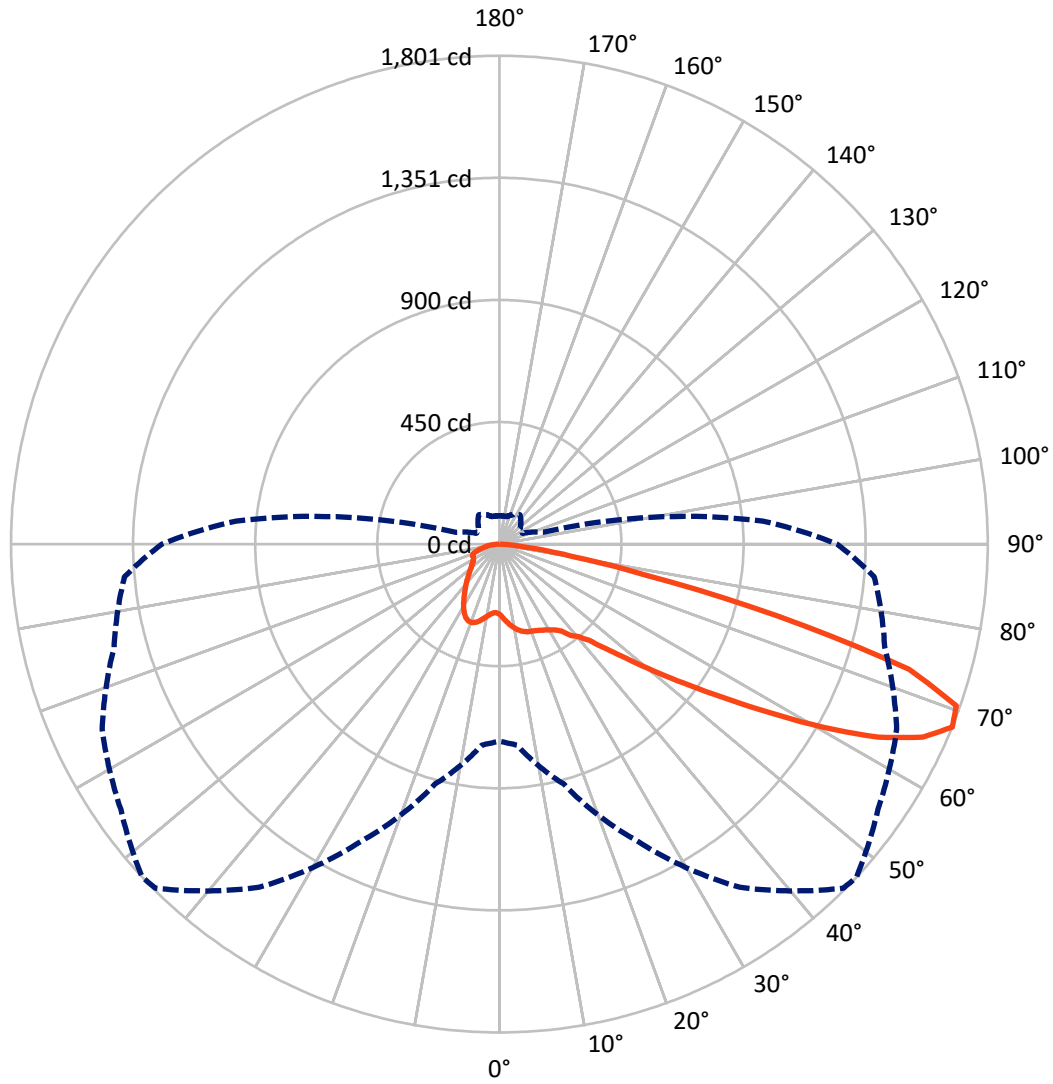
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

REPORT NUMBER: P629159
CATALOG NUMBER: GWS-SA1B-722-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629159

CATALOG NUMBER: GWS-SA1B-722-U-T4W-W

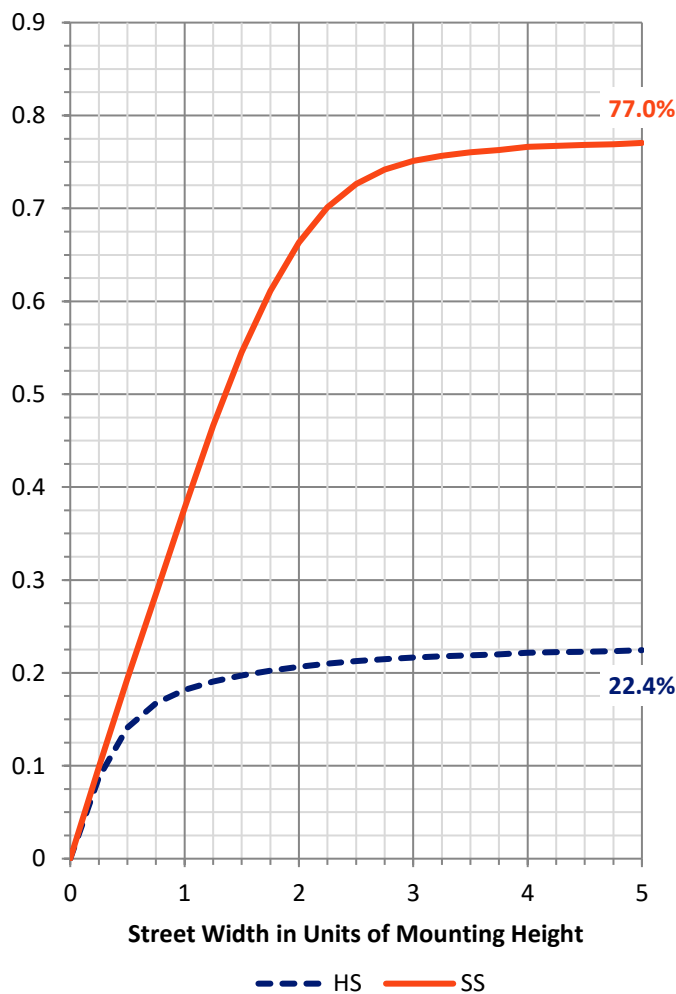
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	596.5	0.0	596.5
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	2020.9	0.0	2020.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	2617.4	0.0	2617.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	1.0
10°-20°	88.3	3.4
20°-30°	150.2	5.7
30°-40°	220.0	8.4
40°-50°	335.2	12.8
50°-60°	599.7	22.9
60°-70°	800.2	30.6
70°-80°	361.9	13.8
80°-90°	35.5	1.4
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°	2617.4	100.0
0°-180°	2617.4	100.0

Coefficient of Utilization



REPORT NUMBER: P629159

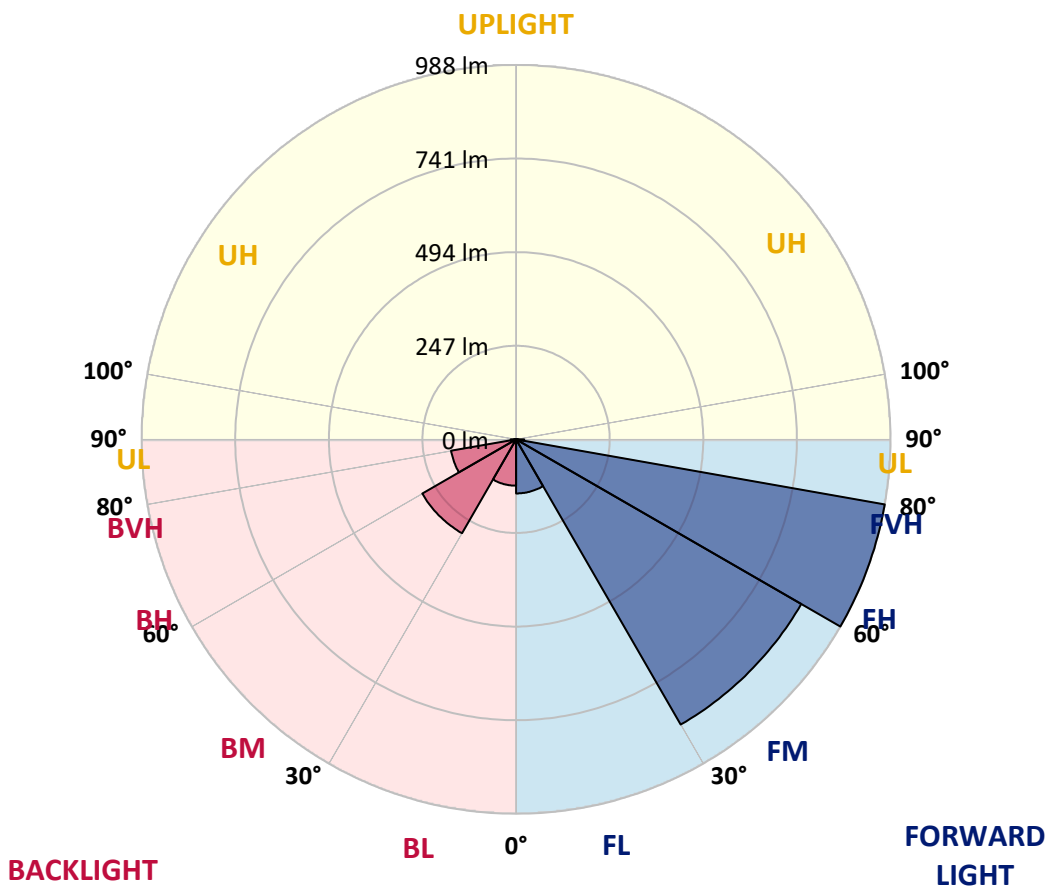
CATALOG NUMBER: GWS-SA1B-722-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.7	5.5			
FM (30°-60°)	869.0	33.2			
FH (60°-80°)	988.0	37.7			G1/1800
FVH (80°-90°)	21.1	0.8			G1/100
BL (0°-30°)	122.3	4.7	B1/500		
BM (30°-60°)	285.8	10.9	B1/1000		
BH (60°-80°)	174.1	6.6	B1/500		G1/500
BVH (80°-90°)	14.4	0.5			G1/100
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: P629159
 CATALOG NUMBER: GWS-SA1B-722-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	276.7	277.6	277.4	275.9	275.0	273.3	273.5	270.8	266.8	264.2	261.2
5°	301.1	302.6	300.7	298.3	294.5	289.0	288.4	282.4	274.8	269.5	264.0
7.5°	322.3	323.2	321.0	316.8	311.3	303.9	302.6	295.4	286.0	277.6	269.7
10°	338.8	339.9	336.9	331.4	324.2	316.8	315.9	308.5	298.5	288.6	278.6
12.5°	352.8	353.1	349.9	342.5	334.8	327.2	326.3	319.5	310.2	300.2	289.2
15°	360.9	361.1	357.1	349.0	341.6	335.0	334.4	328.5	320.0	310.6	298.8
17.5°	360.3	360.7	357.9	350.7	344.3	340.3	339.7	335.9	329.3	320.8	309.1
20°	353.3	353.7	351.8	347.1	343.7	342.5	342.7	341.6	337.6	330.6	318.7
22.5°	347.8	348.4	346.7	343.3	342.9	345.6	346.1	346.7	344.8	338.6	327.0
25°	350.5	351.4	348.8	344.1	344.8	350.7	351.8	353.7	352.2	346.9	336.9
27.5°	368.9	369.4	362.6	353.0	350.7	356.9	358.6	361.7	360.5	355.6	347.8
30°	411.4	411.1	396.5	372.8	363.4	365.8	367.2	371.5	371.9	368.7	361.3
32.5°	471.4	469.5	447.0	409.4	381.9	375.9	377.4	383.2	387.6	384.2	374.2
35°	534.8	533.1	508.3	464.2	416.2	395.2	393.5	398.0	404.6	395.2	380.8
37.5°	595.2	592.6	567.2	512.7	458.4	429.0	426.6	422.0	418.1	399.9	388.9
40°	662.2	659.2	637.0	575.3	504.9	455.0	448.7	430.7	427.1	415.6	410.1
42.5°	733.7	733.7	715.4	654.6	561.1	492.1	483.9	456.9	460.6	453.1	446.6
45°	805.3	807.4	792.8	734.5	636.3	562.1	549.0	510.6	519.7	516.3	513.1
47.5°	866.2	870.2	867.4	816.1	728.2	647.2	627.4	587.4	606.9	615.1	624.2
50°	931.9	936.2	933.4	913.2	835.9	750.4	732.6	691.3	724.8	749.3	779.0
52.5°	1029.4	1035.6	1011.9	1004.2	966.7	867.5	851.6	804.7	865.5	906.0	972.2
55°	1111.7	1111.5	1103.2	1121.0	1107.1	1010.8	993.2	950.6	1028.2	1071.2	1168.1
57.5°	1149.9	1154.4	1183.0	1233.4	1261.0	1185.9	1169.0	1125.5	1202.9	1225.2	1329.9
60°	1169.6	1175.3	1230.5	1330.1	1404.5	1377.0	1370.4	1314.9	1358.5	1355.8	1466.3
62.5°	1142.0	1153.3	1242.1	1374.4	1506.8	1569.1	1567.0	1483.2	1490.8	1464.8	1550.9
65°	1015.2	1027.5	1166.8	1352.2	1565.3	1715.2	1715.8	1635.5	1592.4	1517.8	1536.7
67.5°	726.0	743.6	915.8	1209.9	1544.7	1794.1	1800.8	1704.6	1616.2	1470.9	1387.6
70°	395.7	408.6	543.5	879.5	1358.8	1775.2	1787.5	1671.3	1511.0	1272.4	1068.1
72.5°	179.8	184.0	252.8	482.6	928.3	1528.0	1579.5	1491.5	1240.9	939.8	679.2
75°	82.3	84.2	110.1	230.9	485.1	1022.5	1058.7	1110.9	863.6	593.5	354.1
77.5°	51.7	52.2	62.6	105.6	241.9	510.4	548.5	661.4	505.7	293.7	148.0
80°	30.5	31.0	39.0	57.2	113.6	233.5	269.7	261.5	237.7	126.8	67.4
82.5°	15.3	15.9	22.5	32.6	61.9	92.9	109.4	110.0	88.6	68.7	38.0
85°	5.5	5.7	7.4	12.9	26.3	30.7	34.3	41.8	43.3	39.9	18.4
87.5°	0.0	0.0	0.2	0.4	0.8	3.0	3.2	6.1	12.7	14.2	7.4
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: P629159
 CATALOG NUMBER: GWS-SA1B-722-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	260.2	257.4	256.4	255.5	254.0	253.4	252.3	251.1	251.1	250.0	249.4
5°	261.5	257.8	255.3	254.2	253.2	253.8	253.8	254.2	255.5	254.7	255.1
7.5°	266.3	261.9	258.5	257.6	257.6	259.8	261.4	263.3	265.7	266.1	266.1
10°	274.6	269.5	265.9	265.3	266.3	269.5	271.8	274.0	277.1	277.3	277.6
12.5°	283.7	278.6	275.0	275.7	276.7	280.9	283.3	285.2	288.2	288.2	288.0
15°	293.2	287.5	284.4	286.0	288.8	293.5	293.9	294.1	295.6	295.2	295.0
17.5°	303.0	296.9	294.7	296.9	300.0	302.2	300.3	297.7	297.1	296.4	296.0
20°	312.6	306.4	305.5	307.2	308.1	306.2	300.3	295.4	293.2	292.0	291.6
22.5°	321.0	315.7	315.1	315.1	310.4	303.8	295.0	288.4	285.4	283.9	283.5
25°	330.8	325.9	324.9	319.8	307.7	295.6	283.9	277.8	275.4	274.6	274.8
27.5°	342.4	339.0	335.9	321.4	300.2	281.2	268.0	265.3	264.4	265.3	265.9
30°	356.6	353.1	346.3	319.5	288.0	262.5	249.8	249.6	252.5	254.9	255.3
32.5°	368.1	366.6	355.4	313.4	271.0	241.9	231.1	231.8	236.9	240.4	240.9
35°	377.2	379.6	363.0	303.4	250.8	222.4	213.9	214.2	217.1	221.8	222.0
37.5°	390.1	398.4	369.8	288.0	227.5	205.5	197.8	194.9	194.6	195.9	196.3
40°	416.0	428.5	374.7	265.7	205.0	190.4	181.7	176.2	171.5	167.9	166.7
42.5°	455.2	469.5	377.6	238.6	184.9	175.4	165.6	158.6	150.3	142.7	140.0
45°	527.1	531.8	377.6	209.9	167.1	161.4	151.6	143.3	132.7	123.8	121.9
47.5°	642.1	627.0	377.9	182.1	151.4	149.1	140.6	131.2	119.4	112.0	110.9
50°	815.5	762.3	385.7	159.0	138.3	138.7	132.5	122.1	111.5	106.0	105.0
52.5°	1011.9	929.0	406.5	141.9	127.4	130.2	126.8	116.8	107.3	102.6	101.6
55°	1196.7	1082.3	424.3	129.8	118.1	123.0	122.8	113.6	105.0	100.3	99.7
57.5°	1353.7	1187.4	421.7	120.0	110.1	116.4	119.2	111.5	103.5	99.5	99.0
60°	1451.4	1243.0	384.0	110.9	104.1	111.7	117.1	110.9	104.3	103.3	103.5
62.5°	1493.8	1232.8	311.7	104.1	100.1	109.4	119.4	114.9	111.3	113.6	114.9
65°	1427.9	1145.0	229.4	99.0	96.3	110.0	124.7	121.1	111.3	112.8	113.4
67.5°	1245.1	974.7	165.8	93.9	91.6	111.7	132.3	120.2	104.8	104.8	103.7
70°	897.3	701.0	120.4	88.8	86.9	109.2	132.7	113.7	97.5	96.9	94.1
72.5°	539.9	413.5	93.9	83.1	79.7	96.9	124.3	106.2	90.3	85.5	82.1
75°	280.5	207.2	78.7	76.8	68.3	82.1	113.7	94.4	77.2	73.1	71.2
77.5°	120.2	96.9	67.6	68.5	56.8	69.1	91.8	81.8	68.5	63.2	61.5
80°	59.2	55.1	53.4	54.9	45.4	53.4	79.1	71.5	58.1	52.0	49.6
82.5°	33.9	32.2	38.4	39.0	32.4	44.7	66.8	60.6	48.1	41.4	37.5
85°	15.7	16.8	23.3	23.5	20.1	30.7	43.7	34.1	25.5	21.2	20.3
87.5°	6.2	7.4	10.2	10.0	5.9	5.7	3.8	2.1	1.7	1.5	1.3
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)