

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: P628648

Luminaire Tested: GWS-SA1A-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2078.3 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

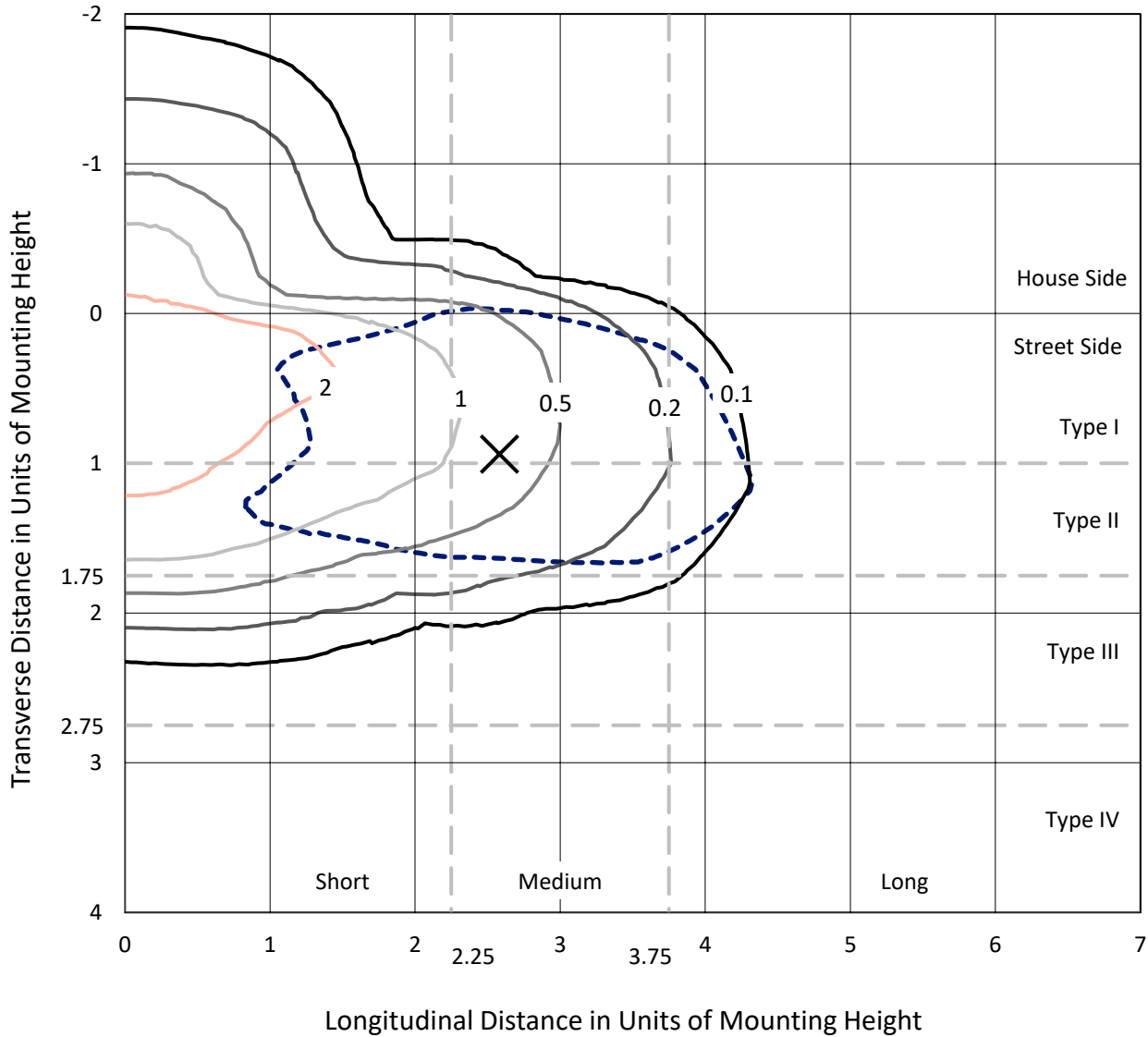
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628648
 CATALOG NUMBER: GWS-SA1A-722-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

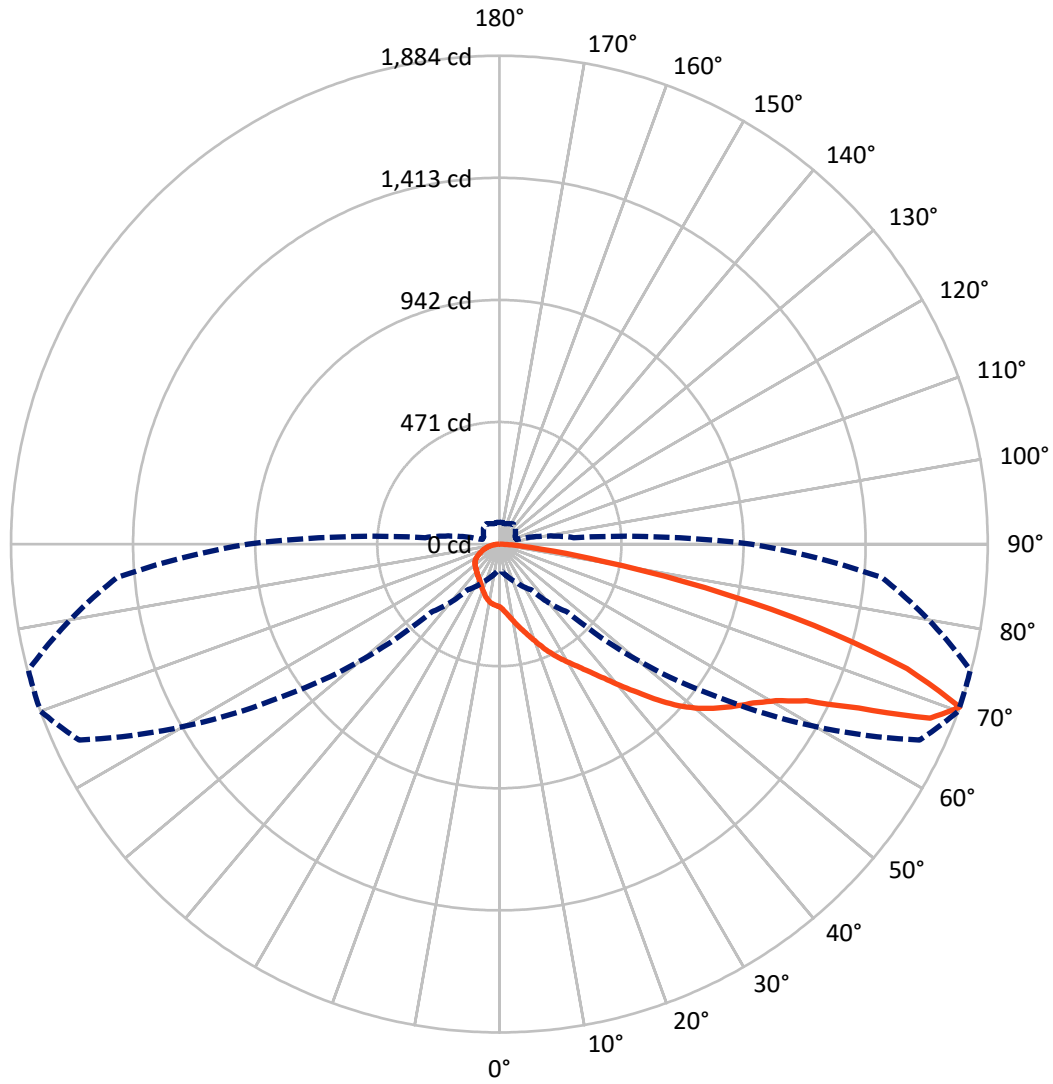
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P628648
CATALOG NUMBER: GWS-SA1A-722-U-T2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P628648

CATALOG NUMBER: GWS-SA1A-722-U-T2-W

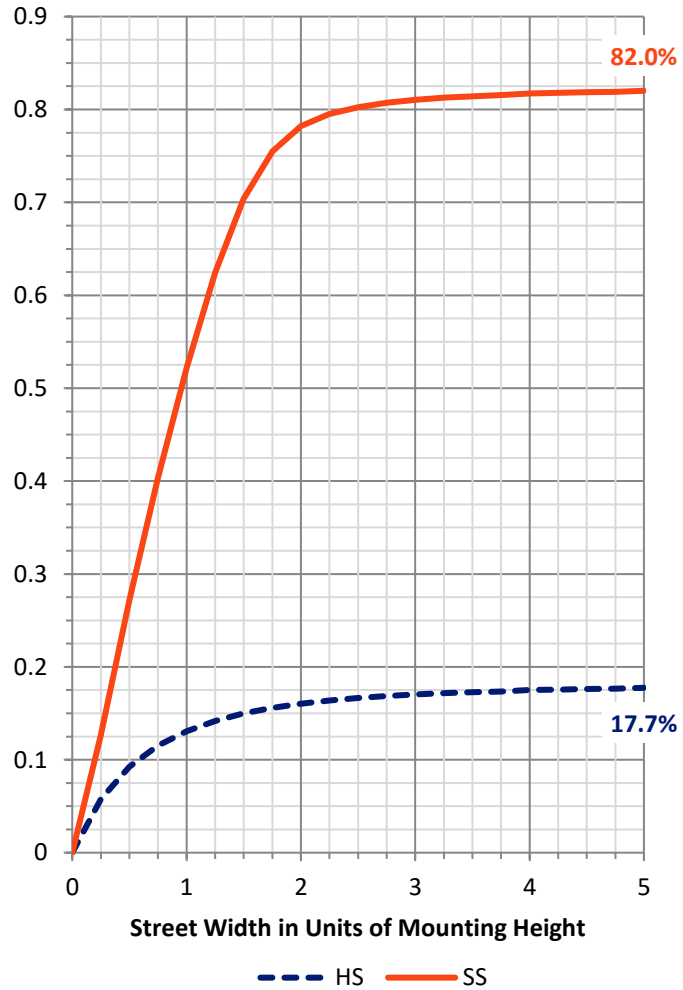
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	372.4	0.0	372.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	1705.9	0.0	1705.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	2078.3	0.0	2078.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	1.2
10°-20°	80.1	3.9
20°-30°	142.0	6.8
30°-40°	213.7	10.3
40°-50°	323.2	15.6
50°-60°	463.1	22.3
60°-70°	511.9	24.6
70°-80°	288.9	13.9
80°-90°	30.9	1.5
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°	2078.3	100.0
0°-180°	2078.3	100.0

Coefficient of Utilization



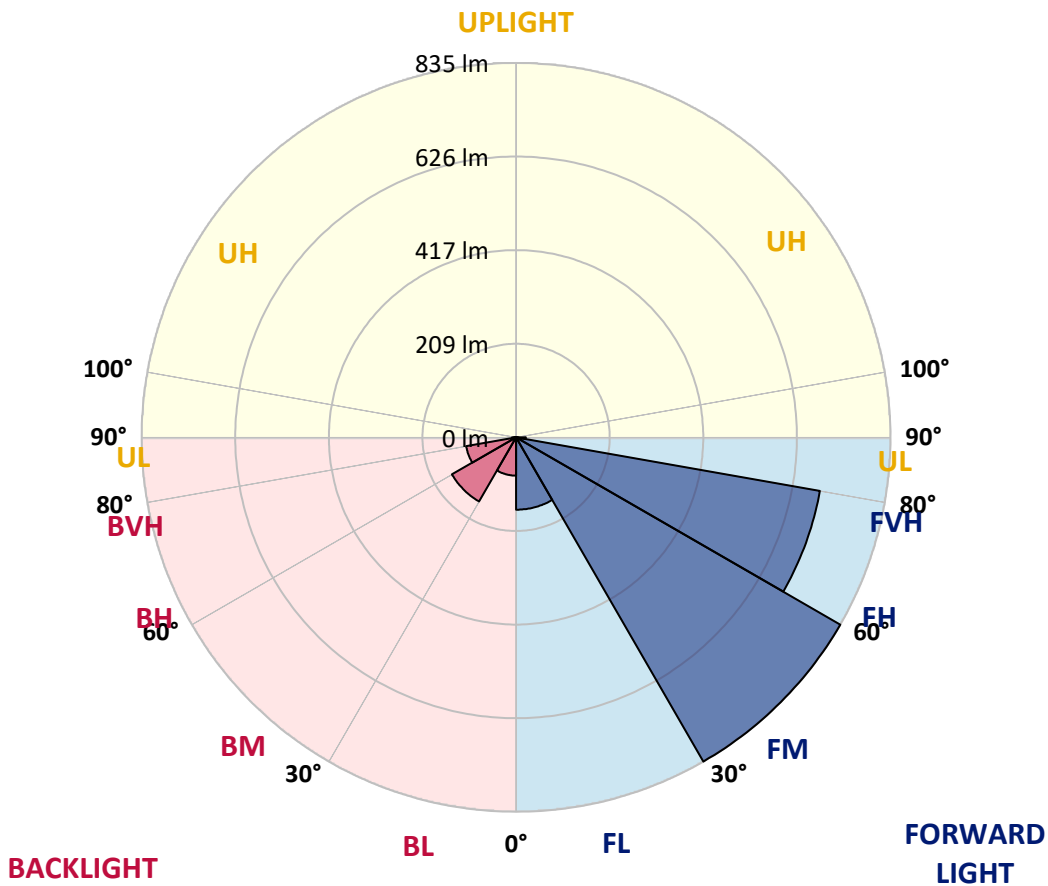
REPORT NUMBER: P628648

CATALOG NUMBER: GWS-SA1A-722-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.3	7.8			
FM (30°-60°)	834.8	40.2			
FH (60°-80°)	687.8	33.1			G1/1800
FVH (80°-90°)	21.8	1.1			G1/100
BL (0°-30°)	85.4	4.1	B0/110		
BM (30°-60°)	165.1	7.9	B0/220		
BH (60°-80°)	112.9	5.4	B1/500		G1/500
BVH (80°-90°)	9.1	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 II Medium





REPORT NUMBER: P628648
 CATALOG NUMBER: GWS-SA1A-722-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4
2.5°	268.5	268.1	268.4	268.1	266.4	262.3	259.0	254.8	252.0	250.3	246.4
5°	300.0	299.6	298.5	297.0	294.0	288.5	280.2	271.1	265.5	261.3	253.0
7.5°	322.7	322.7	322.6	320.8	318.7	312.8	303.0	291.0	282.9	275.7	262.2
10°	334.3	335.0	336.1	338.6	338.2	335.0	325.9	313.0	302.7	294.3	274.2
12.5°	340.6	341.0	342.8	348.1	353.5	354.2	348.8	335.3	324.2	313.0	287.6
15°	348.7	348.8	351.2	357.6	365.5	373.5	372.1	358.6	347.2	334.7	302.4
17.5°	355.0	356.1	360.4	367.8	377.7	388.6	395.2	386.8	372.7	358.5	318.7
20°	357.3	358.0	363.7	375.0	388.5	404.0	418.7	416.4	402.2	385.3	337.0
22.5°	365.4	365.4	369.6	379.0	394.9	417.5	441.3	447.2	434.6	414.9	356.7
25°	383.2	382.6	384.6	388.5	400.5	428.3	463.7	481.3	467.2	445.1	376.3
27.5°	407.7	407.4	407.3	407.9	411.9	437.7	482.6	513.1	499.0	474.1	393.9
30°	434.3	433.4	435.3	433.5	432.6	449.0	498.7	541.7	530.7	502.8	408.5
32.5°	470.5	468.8	468.4	462.5	458.9	466.6	511.6	574.1	565.4	533.7	424.8
35°	518.2	516.7	509.1	499.8	489.1	492.7	527.7	605.8	606.4	572.4	446.3
37.5°	566.4	566.7	560.7	538.8	527.8	525.7	552.2	644.4	657.3	618.7	474.1
40°	606.5	608.3	608.3	585.2	568.8	566.9	586.6	690.2	715.9	675.5	509.2
42.5°	637.0	638.7	643.9	627.3	610.0	616.7	628.3	736.1	782.2	745.6	553.7
45°	670.5	671.9	674.7	665.1	655.0	673.1	675.6	791.1	858.2	824.3	605.3
47.5°	715.0	713.8	714.1	707.0	699.2	728.3	727.7	837.3	931.6	910.5	661.3
50°	770.2	772.5	770.4	756.4	747.2	773.8	777.3	888.6	996.2	995.8	717.8
52.5°	823.4	824.3	835.4	836.0	817.2	811.7	820.7	940.2	1050.7	1073.9	772.0
55°	826.1	829.5	862.9	886.9	917.2	872.6	864.5	989.5	1103.4	1150.3	828.3
57.5°	768.6	774.1	830.7	882.5	966.9	977.3	939.6	1053.1	1156.2	1225.5	893.5
60°	645.7	657.3	734.2	813.5	944.6	1052.5	1093.2	1139.6	1225.4	1302.4	972.6
62.5°	412.4	416.9	524.7	657.4	843.8	1045.2	1260.5	1292.1	1330.8	1402.6	1094.6
65°	206.5	220.9	284.1	392.4	608.5	921.0	1345.1	1571.2	1523.8	1574.1	1292.2
67.5°	140.1	144.8	176.7	235.8	356.8	652.5	1292.7	1806.4	1792.4	1800.7	1502.9
70°	103.3	106.3	131.5	167.0	215.8	370.5	1029.1	1788.7	1884.0	1881.0	1480.8
72.5°	75.4	76.9	96.0	127.5	159.9	191.6	628.5	1444.9	1644.7	1731.3	1295.1
75°	54.8	56.6	66.7	95.4	124.3	119.5	310.2	1043.7	1254.2	1420.9	1055.1
77.5°	40.8	43.1	47.8	59.8	87.1	85.6	134.1	677.7	811.2	928.0	640.9
80°	29.4	29.9	32.6	38.3	55.3	50.2	63.8	353.3	405.2	443.9	251.2
82.5°	17.9	18.3	21.8	23.6	34.2	31.5	33.2	114.4	164.0	174.0	93.9
85°	5.3	5.6	9.9	10.8	14.3	13.5	13.4	46.6	55.6	71.0	36.9
87.5°	0.0	0.0	0.0	0.0	0.2	0.9	1.7	8.3	12.5	17.3	9.0
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: P628648
 CATALOG NUMBER: GWS-SA1A-722-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4
2.5°	244.9	241.5	239.7	236.5	234.3	232.0	229.8	227.7	226.8	225.4	225.7
5°	249.3	243.9	238.5	232.3	227.1	222.7	218.8	215.3	213.8	212.5	213.1
7.5°	255.9	247.8	237.4	226.2	217.9	211.9	207.8	205.4	204.7	203.6	203.6
10°	264.3	252.1	234.0	217.9	208.0	203.2	201.4	201.2	202.0	202.1	201.8
12.5°	273.6	256.3	228.9	208.1	199.7	198.2	199.6	202.1	204.7	206.0	205.7
15°	283.2	259.0	220.1	198.8	193.7	195.7	200.0	205.1	210.1	212.6	212.5
17.5°	292.2	259.6	208.9	189.8	188.5	193.4	200.9	208.9	215.6	219.2	219.4
20°	302.3	258.6	197.3	181.7	183.2	191.3	201.2	210.8	218.8	222.4	223.3
22.5°	311.5	255.0	186.1	174.0	178.7	188.8	198.8	207.8	214.9	218.3	219.5
25°	319.7	248.1	173.7	167.6	175.2	185.2	192.8	199.1	204.1	206.2	207.8
27.5°	324.2	237.7	164.4	162.5	171.9	180.1	184.3	186.2	187.9	187.3	188.5
30°	325.1	224.8	156.3	158.4	167.0	173.0	173.9	171.9	169.1	164.4	165.5
32.5°	324.2	209.9	149.6	154.1	161.4	165.0	163.8	158.7	151.8	144.6	145.1
35°	324.5	194.9	144.0	149.3	155.0	156.9	153.9	146.9	139.5	132.9	132.6
37.5°	327.8	182.3	139.4	144.6	148.7	149.0	145.7	138.3	134.6	129.6	129.0
40°	337.0	173.0	135.2	140.0	142.5	142.4	138.6	133.4	135.9	134.3	133.8
42.5°	352.0	167.3	131.7	135.0	136.8	137.1	134.1	130.8	136.4	134.3	133.5
45°	376.2	167.0	129.3	130.0	132.9	135.0	132.9	129.1	131.2	121.0	119.1
47.5°	404.9	172.1	127.5	125.7	130.6	134.4	131.1	125.1	120.7	111.4	110.1
50°	439.4	182.5	125.8	121.0	127.3	132.1	128.8	120.6	114.0	109.0	108.3
52.5°	480.4	196.1	123.7	115.8	122.4	130.9	128.8	120.1	111.4	106.9	106.2
55°	523.3	211.9	121.3	109.5	116.8	131.2	129.9	117.0	109.5	107.1	106.5
57.5°	576.6	230.8	117.0	102.1	111.9	128.5	125.7	115.2	108.1	106.2	105.6
60°	645.9	258.9	108.7	94.6	106.2	123.7	121.9	112.2	104.5	102.9	102.4
62.5°	755.5	306.5	98.7	87.4	99.4	113.7	116.4	106.5	100.0	99.9	99.7
65°	934.2	363.7	86.8	80.9	92.4	105.4	109.0	100.6	95.4	97.0	96.9
67.5°	1059.4	368.7	77.0	74.2	84.1	96.4	101.7	94.6	88.9	92.1	91.9
70°	970.4	287.6	68.6	67.1	75.2	86.6	93.7	87.1	81.4	84.4	83.8
72.5°	818.4	220.4	60.7	59.8	66.2	76.4	83.5	79.6	73.6	73.6	72.2
75°	657.7	181.9	52.3	51.8	56.2	66.1	74.0	67.4	61.9	61.6	60.7
77.5°	377.2	119.2	43.8	43.5	44.9	55.3	57.5	56.2	52.0	50.0	49.4
80°	150.3	62.0	34.5	32.6	33.9	40.5	45.4	43.1	39.5	37.1	35.7
82.5°	58.3	31.1	24.3	21.3	23.3	29.3	32.9	32.1	29.7	24.3	22.8
85°	23.7	15.2	14.6	12.3	13.5	15.8	18.9	16.4	13.5	9.6	9.2
87.5°	6.3	5.6	5.4	3.3	2.6	0.8	0.2	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)