

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: P628986

Luminaire Tested: GWS-SA1A-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2871 lumens
Efficiency: N/A
Efficacy: 145.7 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

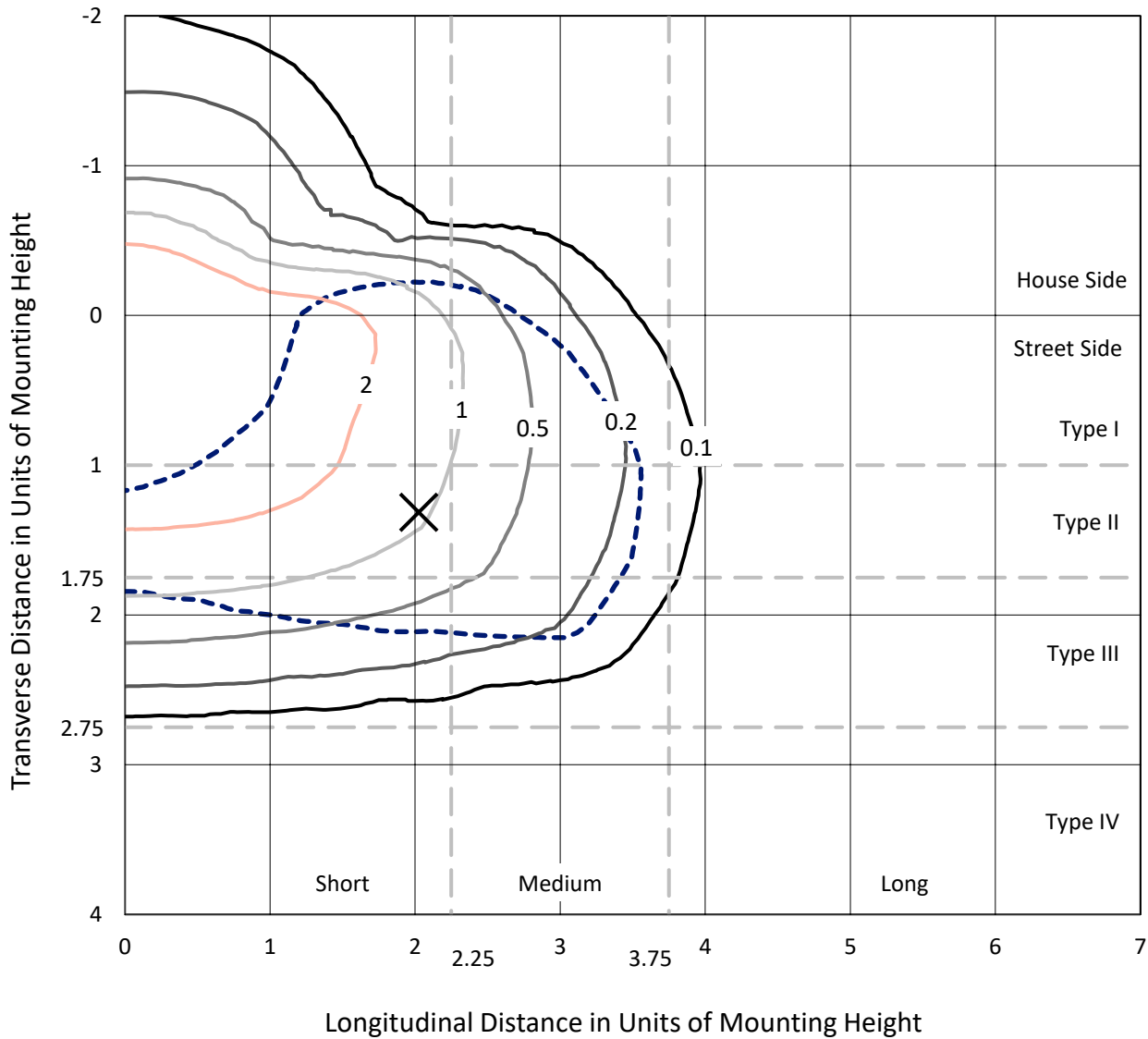
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628986
 CATALOG NUMBER: GWS-SA1A-760-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

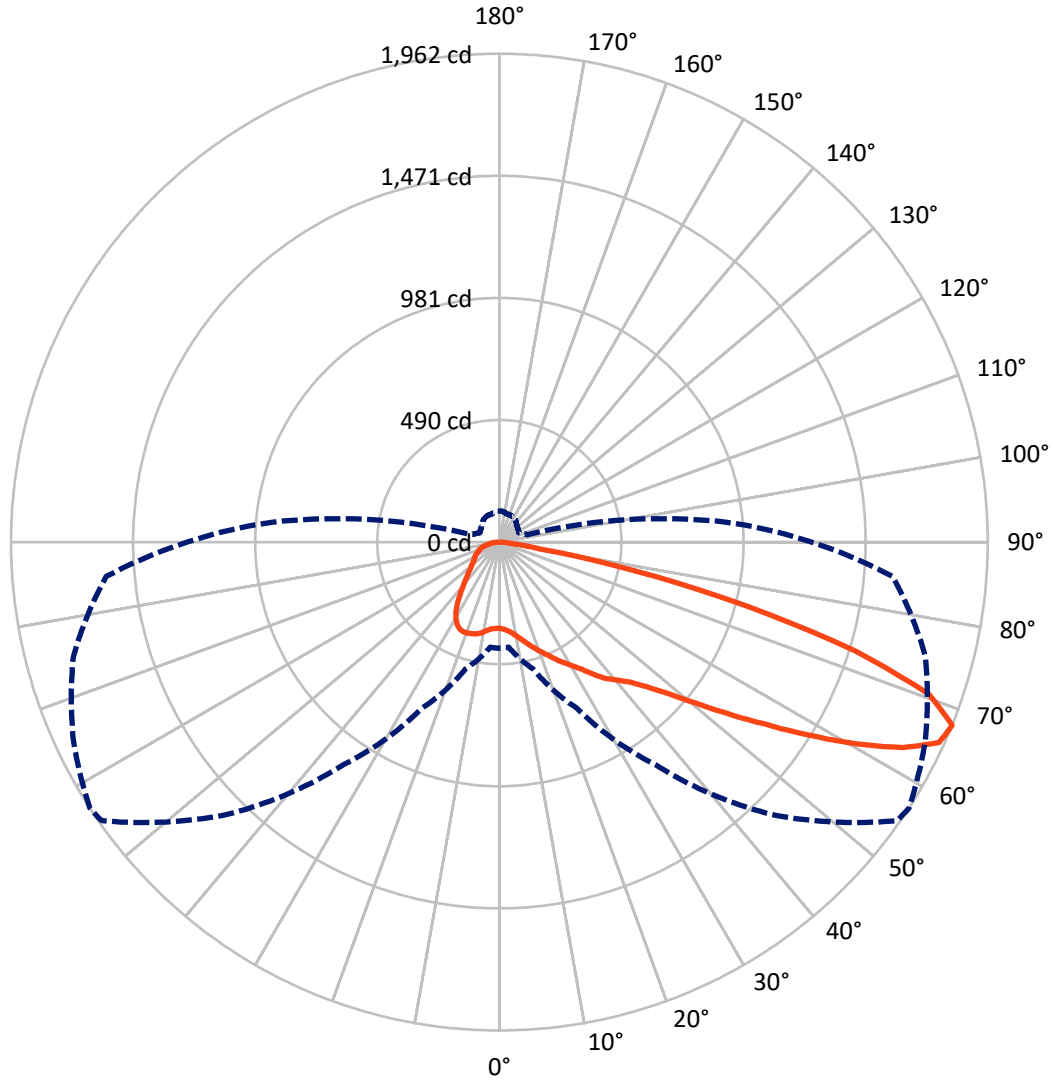
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

REPORT NUMBER: P628986
CATALOG NUMBER: GWS-SA1A-760-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P628986

CATALOG NUMBER: GWS-SA1A-760-U-T3-W

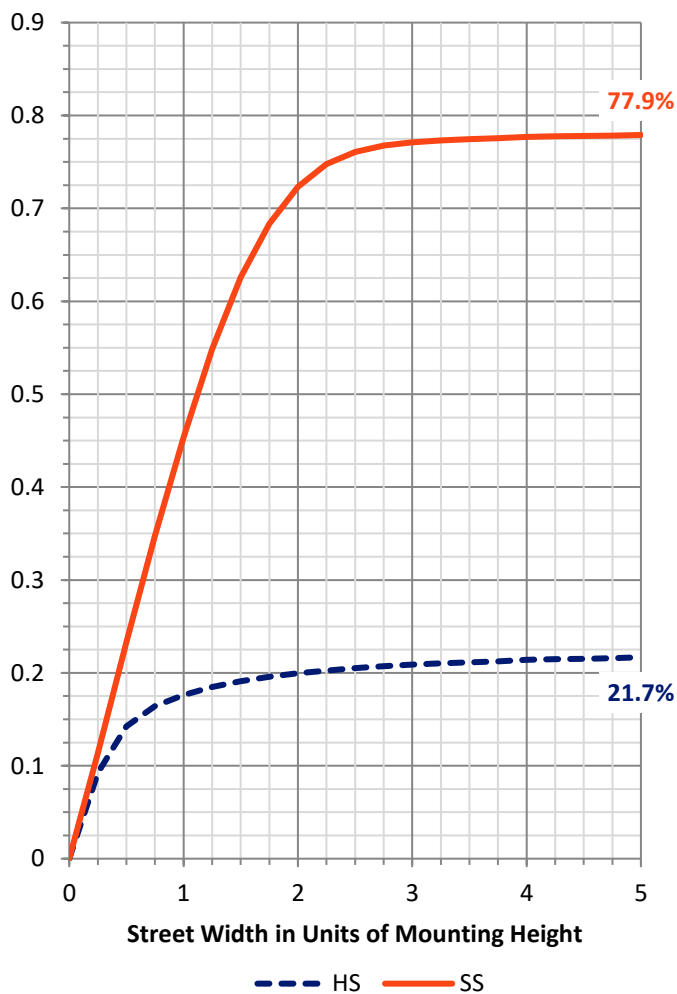
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	631.2	0.0	631.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2239.8	0.0	2239.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	2871.0	0.0	2871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	1.2
10°-20°	113.6	4.0
20°-30°	202.5	7.1
30°-40°	294.4	10.3
40°-50°	426.1	14.8
50°-60°	666.8	23.2
60°-70°	777.9	27.1
70°-80°	324.7	11.3
80°-90°	30.6	1.1
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°	2871.0	100.0
0°-180°	2871.0	100.0

Coefficient of Utilization



REPORT NUMBER: P628986

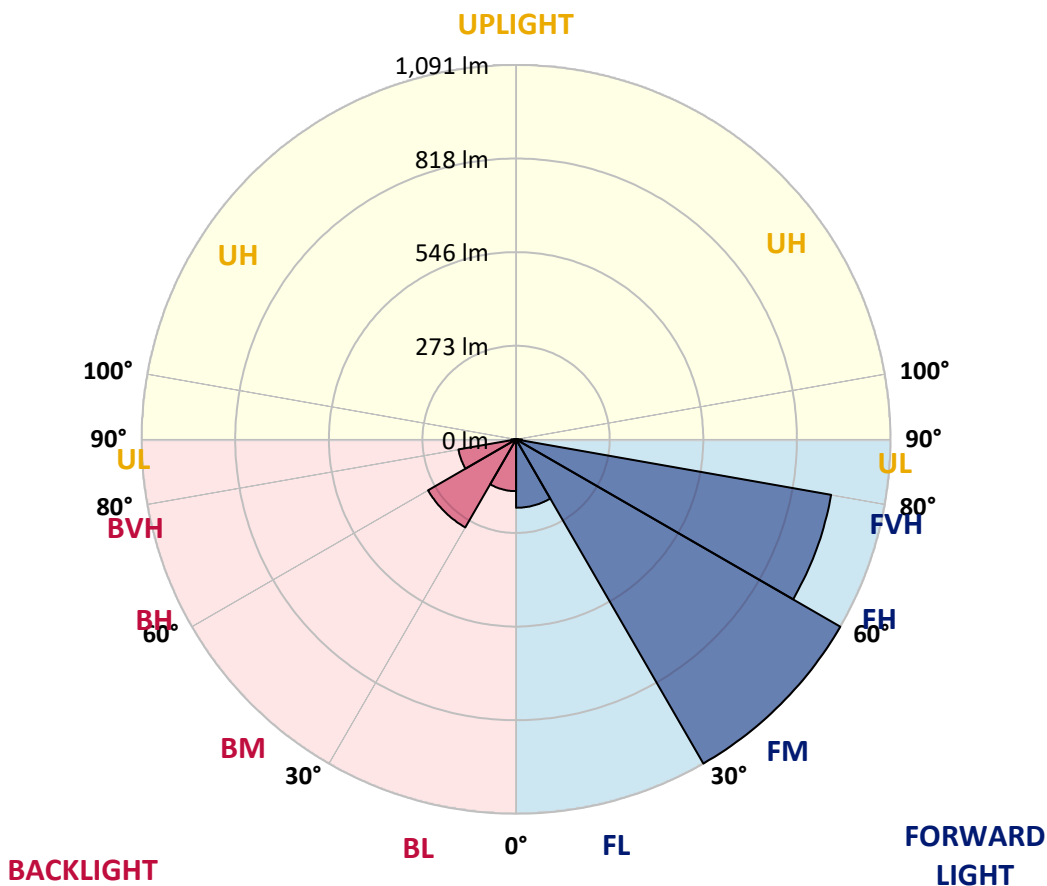
CATALOG NUMBER: GWS-SA1A-760-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.4	6.9			
FM (30°-60°)	1091.0	38.0			
FH (60°-80°)	932.3	32.5			G1/1800
FVH (80°-90°)	17.1	0.6			G1/100
BL (0°-30°)	151.0	5.3	B1/500		
BM (30°-60°)	296.3	10.3	B1/1000		
BH (60°-80°)	170.4	5.9	B1/500		G1/500
BVH (80°-90°)	13.6	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: P628986
 CATALOG NUMBER: GWS-SA1A-760-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9
2.5°	350.9	350.5	350.3	351.5	351.1	350.9	350.9	350.7	350.3	348.6	346.3
5°	360.5	359.7	358.9	359.9	359.1	358.3	358.1	357.7	356.2	353.8	350.3
7.5°	370.6	369.8	370.0	370.6	370.0	369.6	369.0	368.6	366.3	362.4	357.7
10°	384.8	384.8	385.2	385.8	386.0	385.4	384.2	383.6	380.9	376.0	369.4
12.5°	405.4	405.0	405.0	404.6	405.2	404.6	403.3	402.3	399.0	392.6	383.2
15°	432.5	430.9	429.4	426.8	425.9	423.7	424.1	423.5	420.4	411.8	399.8
17.5°	461.5	461.3	459.1	453.7	448.4	444.7	445.5	445.3	443.6	431.9	416.7
20°	487.0	488.1	486.0	481.9	474.7	467.7	467.3	468.3	466.3	454.5	433.3
22.5°	515.6	514.8	512.7	507.4	502.0	494.6	492.2	491.3	490.5	477.2	450.4
25°	542.8	545.2	542.6	537.6	529.4	521.4	519.3	520.1	517.9	500.2	468.7
27.5°	577.1	578.1	576.5	569.7	562.7	551.4	547.5	547.5	546.7	521.8	483.1
30°	613.7	616.6	613.7	608.2	601.0	584.7	576.3	575.5	573.0	544.0	500.0
32.5°	650.5	652.6	650.5	645.2	637.0	622.8	610.6	608.8	605.5	568.3	517.3
35°	683.2	685.1	684.7	685.9	679.1	661.2	653.8	653.0	644.4	599.9	540.7
37.5°	719.0	721.3	718.2	720.7	718.0	701.1	698.9	694.8	682.4	629.8	565.4
40°	759.7	761.8	756.9	757.9	754.8	745.3	733.8	728.3	710.0	662.0	604.3
42.5°	803.3	808.1	810.3	808.5	801.3	795.9	775.8	768.8	753.6	720.3	668.2
45°	866.5	873.5	876.8	872.0	869.0	861.3	836.7	828.2	820.2	802.3	757.5
47.5°	934.6	940.9	951.4	953.5	956.0	950.2	915.4	907.2	908.6	906.6	867.3
50°	988.9	994.2	1017.9	1043.2	1064.1	1065.8	1021.4	1012.5	1020.3	1026.9	999.6
52.5°	1028.3	1033.1	1064.3	1116.6	1164.1	1199.3	1151.3	1141.3	1147.6	1162.4	1149.9
55°	1060.4	1067.0	1099.7	1179.9	1276.0	1331.5	1300.9	1288.1	1285.4	1303.7	1310.9
57.5°	1077.3	1079.4	1125.2	1229.5	1358.0	1461.3	1474.6	1460.3	1434.7	1444.8	1482.3
60°	1038.8	1042.3	1105.1	1242.2	1422.8	1590.0	1657.1	1645.1	1590.9	1596.4	1637.7
62.5°	932.5	937.4	1012.9	1181.6	1428.2	1676.0	1825.5	1817.9	1745.1	1715.1	1727.4
65°	748.0	749.7	827.8	1031.4	1321.8	1686.7	1943.0	1941.1	1852.9	1782.5	1729.7
67.5°	426.6	423.7	528.2	735.7	1090.9	1547.7	1950.6	1961.5	1887.8	1771.4	1585.7
70°	184.9	185.3	233.4	363.0	706.1	1250.9	1811.7	1830.5	1786.7	1586.5	1261.6
72.5°	85.6	86.8	107.6	157.1	301.5	776.0	1477.3	1494.2	1456.6	1269.8	917.9
75°	60.5	61.5	71.8	90.1	138.6	302.3	988.2	1023.6	1041.9	949.8	604.9
77.5°	45.9	47.3	52.4	62.5	85.6	107.2	472.8	557.2	663.7	590.9	311.6
80°	29.2	29.2	34.8	41.8	52.2	55.7	136.6	161.9	324.8	243.5	122.4
82.5°	19.7	20.4	23.7	26.5	30.0	31.7	58.6	62.5	93.8	82.9	50.4
85°	10.5	10.9	12.3	12.1	14.4	12.5	24.7	24.5	34.3	37.6	19.1
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	2.7	2.9	7.2	11.5	6.4
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: P628986
 CATALOG NUMBER: GWS-SA1A-760-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9
2.5°	347.6	345.1	346.3	345.9	347.2	347.2	344.9	344.3	344.5	342.0	341.2
5°	350.7	347.8	348.4	347.6	348.8	349.8	348.8	348.8	350.0	348.2	347.2
7.5°	357.7	354.4	354.4	353.3	354.8	355.6	354.8	356.0	358.3	356.4	355.4
10°	368.8	364.9	365.1	363.8	364.4	364.0	360.7	359.7	360.3	358.7	357.9
12.5°	383.2	377.8	377.8	375.3	373.9	369.6	362.8	360.3	360.7	359.3	358.7
15°	396.9	392.0	391.0	386.0	379.5	371.4	365.3	363.6	364.0	362.6	361.6
17.5°	413.2	406.8	403.1	394.1	381.9	373.7	367.5	363.6	360.3	357.0	356.2
20°	428.2	420.2	413.4	399.4	384.6	373.3	361.8	352.1	344.1	339.8	338.7
22.5°	443.6	433.3	421.4	403.1	384.4	365.9	344.7	330.1	318.2	311.8	313.0
25°	458.2	445.3	429.0	406.6	377.8	349.4	320.6	298.8	285.3	280.3	278.9
27.5°	470.4	454.3	436.0	405.0	364.2	325.8	287.7	263.5	250.3	244.7	243.3
30°	483.9	465.8	446.1	397.4	342.9	292.7	250.5	230.8	221.3	216.0	216.2
32.5°	499.6	480.6	460.3	382.8	315.5	256.9	219.9	206.3	198.7	193.3	192.5
35°	520.5	501.8	469.7	360.7	280.7	224.0	198.9	187.8	178.3	171.3	169.9
37.5°	546.5	533.7	470.8	331.3	243.5	201.4	183.9	171.9	160.4	151.2	150.1
40°	590.9	576.3	462.3	294.5	211.8	186.7	171.3	157.5	144.2	133.9	132.5
42.5°	654.2	624.2	444.2	253.0	188.0	175.2	159.4	141.9	128.3	121.1	120.1
45°	734.9	677.7	417.1	213.9	170.3	163.9	146.8	128.5	121.3	116.2	115.2
47.5°	833.6	740.0	385.8	183.5	156.5	153.6	134.1	124.0	117.6	113.3	112.3
50°	951.6	819.4	360.1	159.6	144.2	141.7	130.0	121.3	116.2	112.7	111.9
52.5°	1086.3	907.6	347.6	142.5	133.5	131.0	128.5	120.7	116.4	113.7	112.7
55°	1226.2	1000.6	335.9	129.4	124.4	125.9	128.7	122.8	119.5	116.0	115.0
57.5°	1361.3	1087.8	307.1	119.1	117.8	123.4	129.8	124.8	120.9	117.4	116.2
60°	1454.5	1135.5	258.3	110.9	112.9	120.3	127.1	121.8	116.8	115.4	114.8
62.5°	1479.6	1129.7	200.5	102.4	106.9	113.5	120.1	116.6	111.5	113.7	113.9
65°	1421.0	1068.0	150.6	94.2	99.1	104.7	112.9	111.5	109.6	115.8	116.0
67.5°	1255.0	916.5	114.8	87.0	91.1	97.9	110.7	116.6	117.0	124.8	124.0
70°	949.6	684.7	89.9	80.2	84.9	97.9	117.8	120.5	115.6	122.8	121.1
72.5°	656.5	451.9	76.5	74.2	77.3	93.4	117.6	117.6	112.3	112.3	109.2
75°	407.8	265.7	66.6	66.6	66.6	81.7	114.4	108.4	98.9	94.6	92.1
77.5°	201.4	129.2	55.9	58.0	55.7	68.3	93.4	88.6	82.9	78.4	76.7
80°	86.0	64.6	45.2	47.5	44.8	51.4	74.0	73.0	67.5	61.5	59.6
82.5°	39.5	33.3	36.2	37.2	32.7	38.7	54.1	54.1	51.0	42.8	39.7
85°	16.9	17.7	25.1	25.1	20.6	21.8	29.0	27.6	24.7	20.2	18.5
87.5°	5.8	8.6	12.8	11.1	4.3	1.9	1.0	0.4	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)