

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: P628977

Luminaire Tested: GWS-SA1A-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2149.1 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

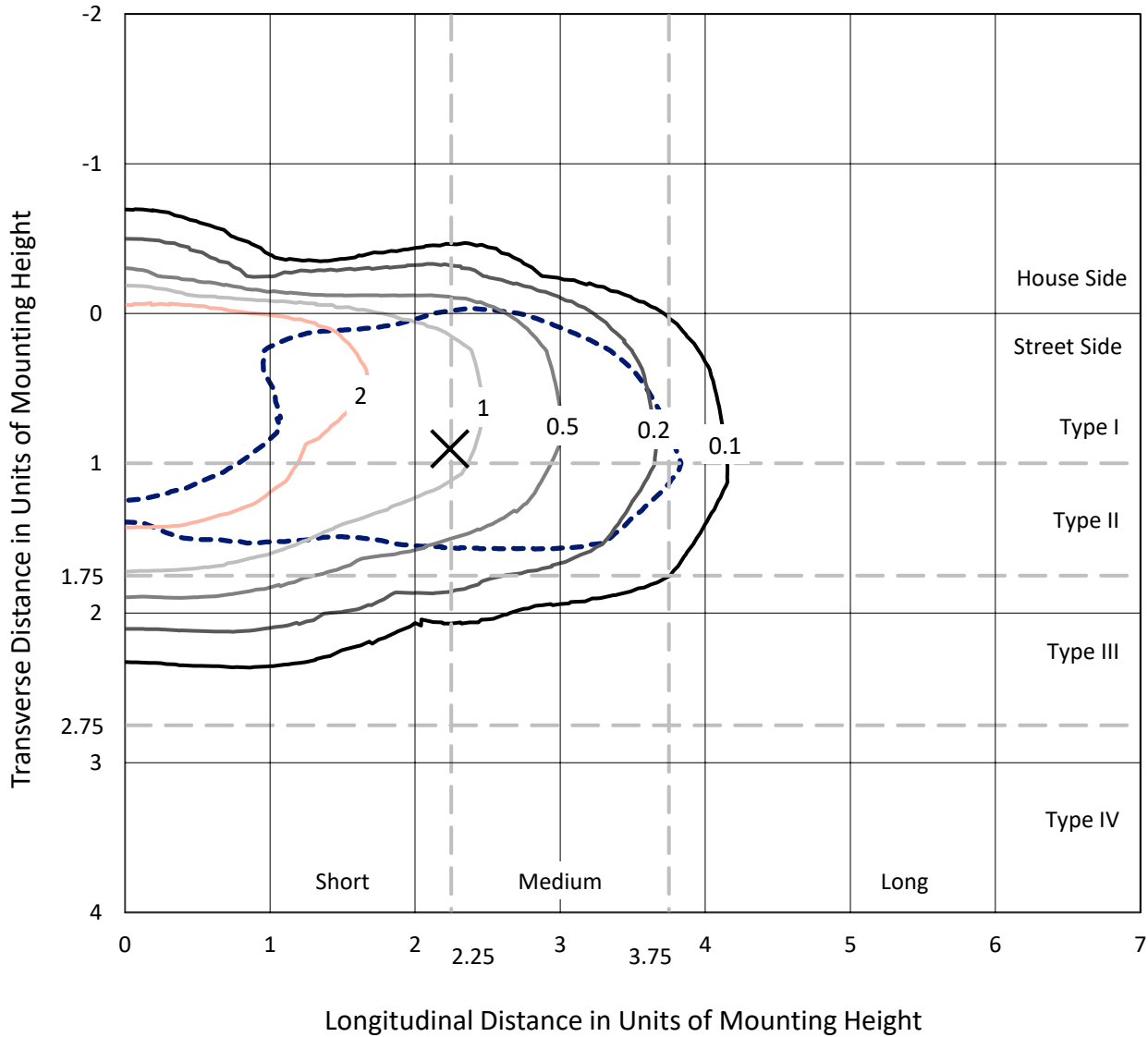
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

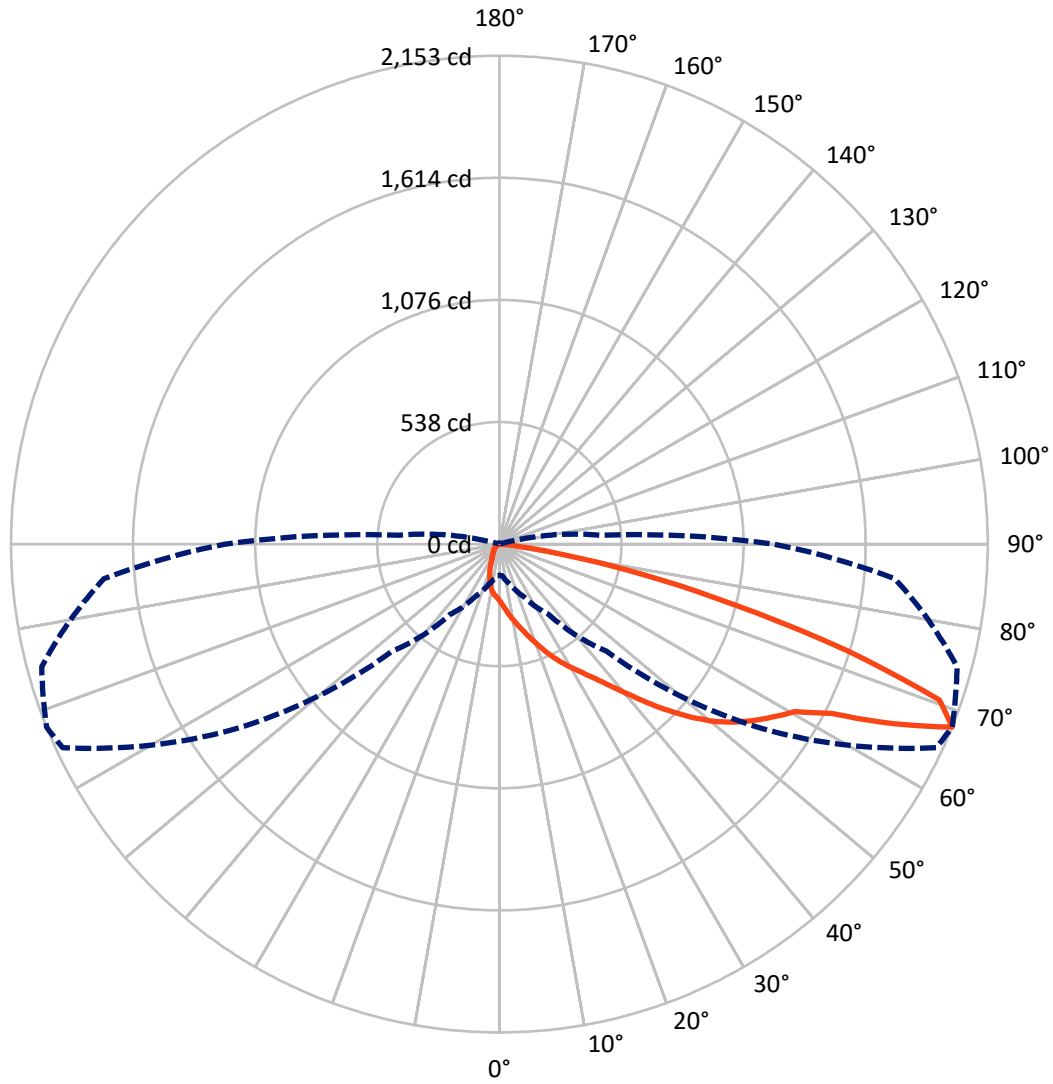
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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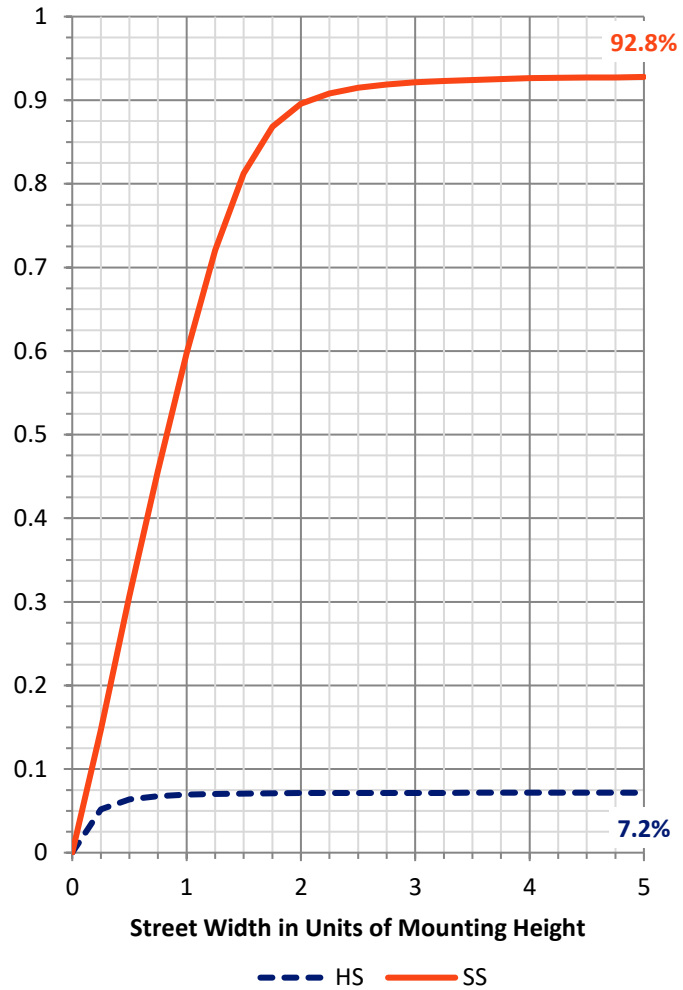
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	155.2	0.0	155.2
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	1993.9	0.0	1993.9
	% Fixture	92.8	0.0	92.8
Total	Lumens	2149.1	0.0	2149.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	1.1
10°-20°	70.0	3.3
20°-30°	120.4	5.6
30°-40°	209.3	9.7
40°-50°	365.2	17.0
50°-60°	550.8	25.6
60°-70°	552.3	25.7
70°-80°	243.7	11.3
80°-90°	13.0	0.6
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°	2149.1	100.0
0°-180°	2149.1	100.0

Coefficient of Utilization



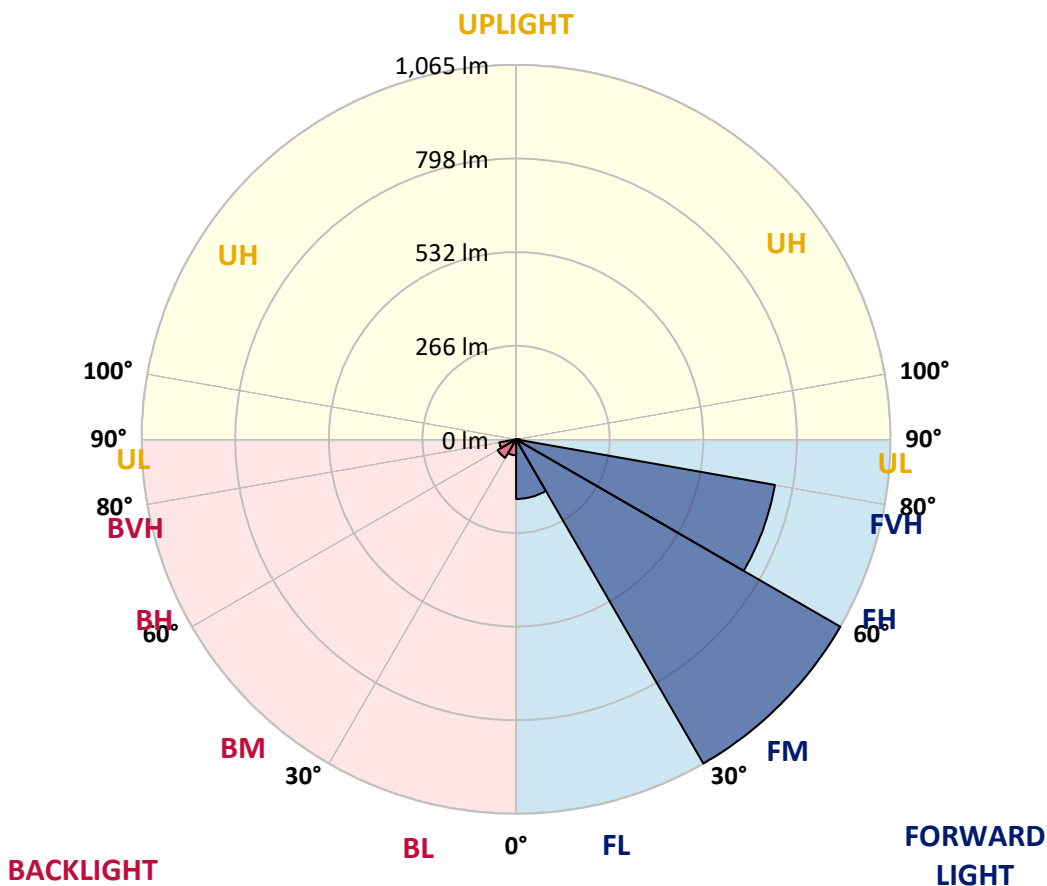
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.4	7.9			
FM (30°-60°)	1064.7	49.5			
FH (60°-80°)	747.6	34.8			G1/1800
FVH (80°-90°)	12.3	0.6			G1/100
BL (0°-30°)	45.4	2.1	B0/110		
BM (30°-60°)	60.6	2.8	B0/220		
BH (60°-80°)	48.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1
2.5°	291.2	293.1	291.2	291.6	286.3	283.8	278.5	271.1	269.2	264.5	257.3
5°	326.8	328.5	326.6	326.2	320.0	315.5	306.7	293.9	290.2	281.0	266.8
7.5°	346.2	347.2	347.8	348.8	346.6	342.9	334.8	319.0	315.1	300.1	280.1
10°	348.2	349.0	352.1	358.3	362.8	365.1	360.5	345.9	339.8	325.2	296.6
12.5°	342.4	343.7	348.6	358.9	371.4	383.0	385.8	373.1	367.5	348.8	315.9
15°	334.8	335.9	342.7	356.6	375.6	396.7	408.7	403.1	397.0	377.4	337.3
17.5°	323.1	324.6	334.0	352.9	377.4	407.6	433.4	435.2	430.9	409.7	361.0
20°	316.5	317.6	326.0	345.5	376.2	415.7	456.4	473.9	469.1	446.9	388.1
22.5°	322.1	322.9	328.5	343.7	372.1	420.2	477.8	512.5	509.9	486.8	416.7
25°	351.3	354.0	350.7	353.3	373.9	422.7	495.1	551.2	551.8	528.6	446.3
27.5°	410.5	407.0	399.2	385.8	388.3	429.2	509.9	587.6	593.0	569.3	472.6
30°	470.8	468.7	464.0	443.2	426.0	443.8	522.4	624.8	633.3	609.4	496.1
32.5°	538.5	540.5	532.1	507.2	477.8	473.5	535.4	660.2	676.1	654.9	523.6
35°	619.3	619.9	603.2	575.7	542.4	522.4	558.6	699.3	728.5	712.9	560.5
37.5°	698.1	701.8	692.7	649.3	619.7	583.3	597.1	749.5	790.6	784.4	606.7
40°	767.8	773.5	770.7	728.7	689.8	659.2	656.7	808.3	865.7	872.7	667.8
42.5°	823.3	827.0	829.3	799.5	765.1	747.8	730.4	876.6	954.3	982.9	742.7
45°	881.9	883.2	887.9	867.7	837.7	839.2	817.4	959.5	1047.7	1105.1	828.7
47.5°	956.6	960.7	958.4	937.3	910.1	926.4	907.2	1044.8	1139.8	1235.5	916.7
50°	1047.5	1051.8	1049.8	1025.1	994.8	1001.6	989.7	1127.7	1228.7	1358.5	989.9
52.5°	1094.4	1097.9	1123.4	1134.5	1118.7	1075.5	1060.0	1218.8	1303.8	1459.7	1057.2
55°	1071.8	1074.2	1129.8	1176.7	1234.7	1191.5	1130.8	1289.2	1370.0	1538.7	1107.1
57.5°	978.0	991.4	1066.8	1146.2	1268.2	1306.0	1245.6	1365.7	1433.8	1593.6	1156.3
60°	785.7	785.1	893.2	1035.8	1202.8	1337.5	1407.6	1469.1	1497.7	1635.7	1222.1
62.5°	434.2	438.1	582.1	769.8	1021.0	1256.1	1529.2	1647.9	1643.5	1709.4	1325.2
65°	216.2	224.0	302.1	441.0	679.3	1038.0	1550.2	1920.6	1908.3	1882.7	1538.0
67.5°	137.2	140.3	183.5	256.3	377.6	667.2	1419.6	2124.0	2152.6	2088.4	1749.3
70°	88.9	94.0	127.5	175.2	227.9	343.9	1039.9	1992.2	2057.8	2065.8	1617.6
72.5°	48.3	52.0	81.4	125.1	164.5	171.9	584.1	1495.1	1600.6	1752.3	1265.5
75°	27.6	30.2	44.6	84.9	120.7	104.7	258.9	1000.8	1068.1	1252.4	906.8
77.5°	16.7	18.9	25.1	41.3	75.7	69.9	97.9	609.2	652.0	747.2	475.9
80°	7.6	9.0	15.8	22.8	41.3	33.1	37.4	284.0	293.3	306.7	157.5
82.5°	3.5	4.1	7.2	13.6	23.4	19.1	14.4	65.6	92.3	87.4	40.1
85°	0.4	0.4	2.7	5.6	6.6	4.9	6.0	14.8	18.7	26.3	11.5
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	1.2	1.9	2.7	4.3	2.9
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°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1
2.5°	254.0	248.2	243.1	235.5	230.4	224.6	220.7	216.0	214.1	212.7	210.6
5°	259.8	250.5	238.0	224.0	212.5	201.6	191.5	184.9	179.1	178.3	175.4
7.5°	269.2	255.4	234.3	211.4	191.9	173.8	159.6	148.1	142.3	140.5	137.2
10°	281.8	262.9	228.7	193.7	165.6	144.0	127.9	115.0	105.9	102.6	100.2
12.5°	295.8	269.6	219.9	171.9	139.9	115.2	94.8	81.0	75.3	73.2	71.4
15°	311.8	276.0	205.9	150.1	114.8	84.7	70.3	64.4	61.9	61.3	60.7
17.5°	327.2	280.1	189.2	127.5	88.2	65.8	59.0	56.8	56.1	55.5	55.1
20°	344.7	283.0	169.7	106.1	68.5	55.7	52.4	50.8	49.6	48.3	48.1
22.5°	362.6	283.0	148.5	85.1	57.4	50.0	46.3	43.2	40.9	39.7	39.3
25°	379.7	279.1	127.5	68.1	50.6	44.4	39.7	36.2	33.1	31.7	31.3
27.5°	391.8	269.0	109.2	57.6	45.9	39.5	33.7	29.8	27.4	25.9	25.7
30°	399.4	254.0	92.3	51.4	41.8	34.3	28.6	25.3	23.4	22.4	22.0
32.5°	405.2	235.5	77.3	47.1	37.8	29.8	24.9	22.2	20.6	19.7	19.5
35°	416.7	218.0	66.2	43.2	33.7	26.1	21.8	19.7	18.5	17.5	17.3
37.5°	432.7	203.4	57.4	39.7	29.8	23.2	19.7	17.9	16.9	15.8	15.6
40°	456.4	194.2	50.8	36.2	26.3	21.0	18.1	16.5	15.0	14.0	13.8
42.5°	492.8	189.8	46.5	32.7	23.2	18.9	16.7	14.6	13.2	12.1	11.9
45°	536.2	192.1	42.8	29.2	21.2	17.5	14.8	12.8	11.3	10.3	10.1
47.5°	582.7	200.1	39.7	25.9	19.1	16.0	13.2	10.9	9.7	8.6	8.4
50°	631.2	213.3	37.0	22.8	17.5	14.4	11.3	9.5	8.2	7.4	7.2
52.5°	673.4	231.2	34.3	20.6	16.0	12.8	9.9	8.2	7.0	6.2	6.0
55°	713.7	248.0	32.3	18.5	14.4	11.1	8.6	7.0	6.0	5.1	4.9
57.5°	757.5	265.9	29.8	16.7	13.0	9.9	7.6	6.0	5.1	4.3	4.1
60°	821.3	292.5	26.1	15.2	11.3	8.6	6.6	5.3	4.5	3.5	3.3
62.5°	913.2	340.8	22.0	13.2	9.7	7.4	5.6	4.5	3.7	2.9	2.5
65°	1085.1	423.1	18.1	10.9	7.8	6.2	4.7	3.7	2.9	2.1	1.9
67.5°	1209.0	444.5	14.6	8.8	6.4	4.7	3.9	2.9	2.1	1.4	1.2
70°	1057.0	319.2	11.3	7.2	5.3	3.7	3.1	2.3	1.4	1.0	0.8
72.5°	796.4	208.6	8.4	5.6	4.1	3.1	2.3	1.9	1.2	0.8	0.6
75°	561.3	120.5	6.2	4.1	2.9	2.3	1.9	1.4	1.0	0.6	0.6
77.5°	287.7	49.8	4.3	2.9	2.1	1.4	1.2	0.8	0.8	0.6	0.4
80°	87.4	16.5	2.5	1.9	1.4	1.0	0.6	0.6	0.6	0.4	0.2
82.5°	20.0	5.3	1.4	1.4	1.0	0.8	0.6	0.2	0.2	0.0	0.0
85°	5.1	1.6	1.2	1.0	1.0	0.8	0.4	0.2	0.0	0.0	0.0
87.5°	1.9	1.0	1.0	1.0	0.8	0.6	0.4	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)