

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: P628659

Luminaire Tested: GWS-SA1A-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1639.8 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G0

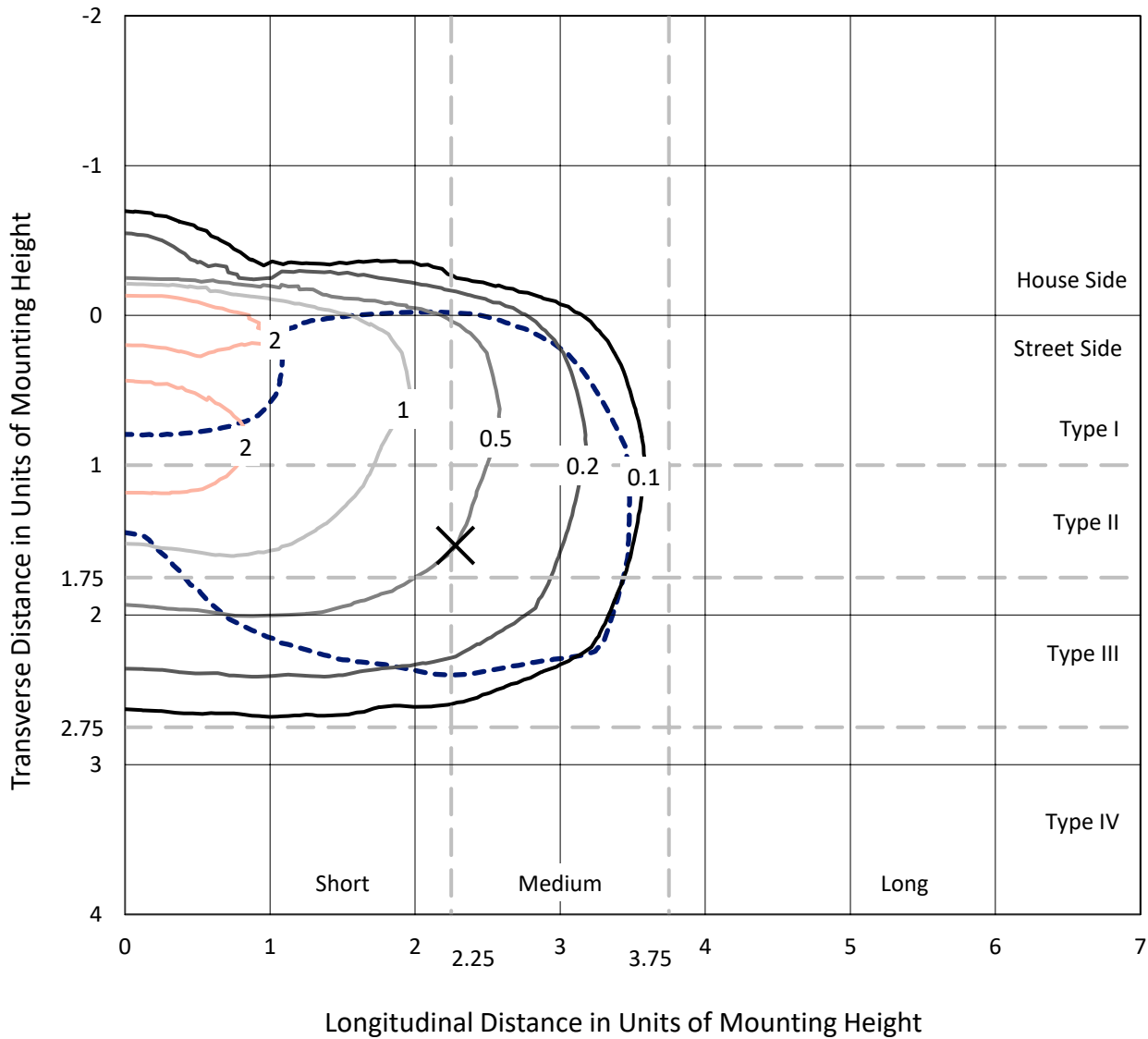
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

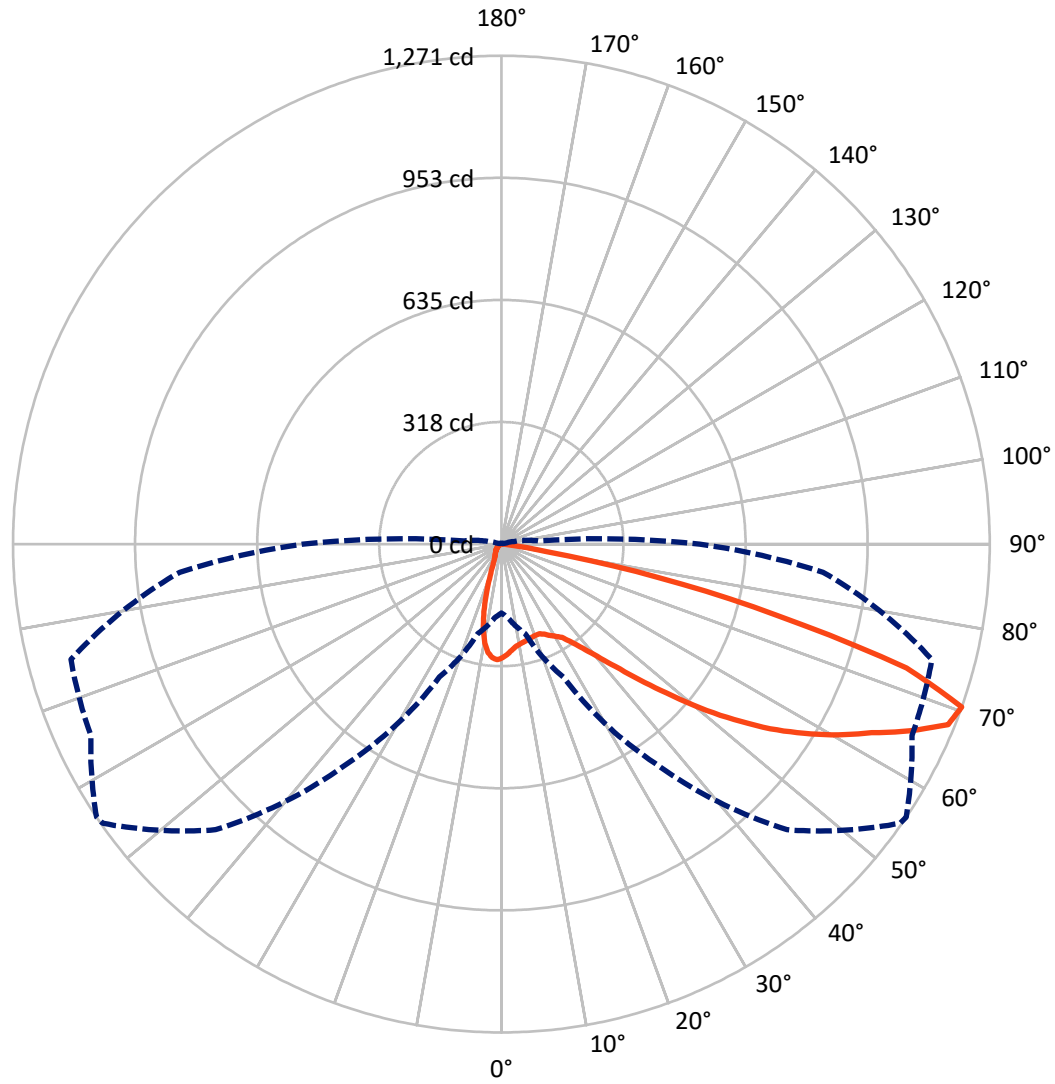
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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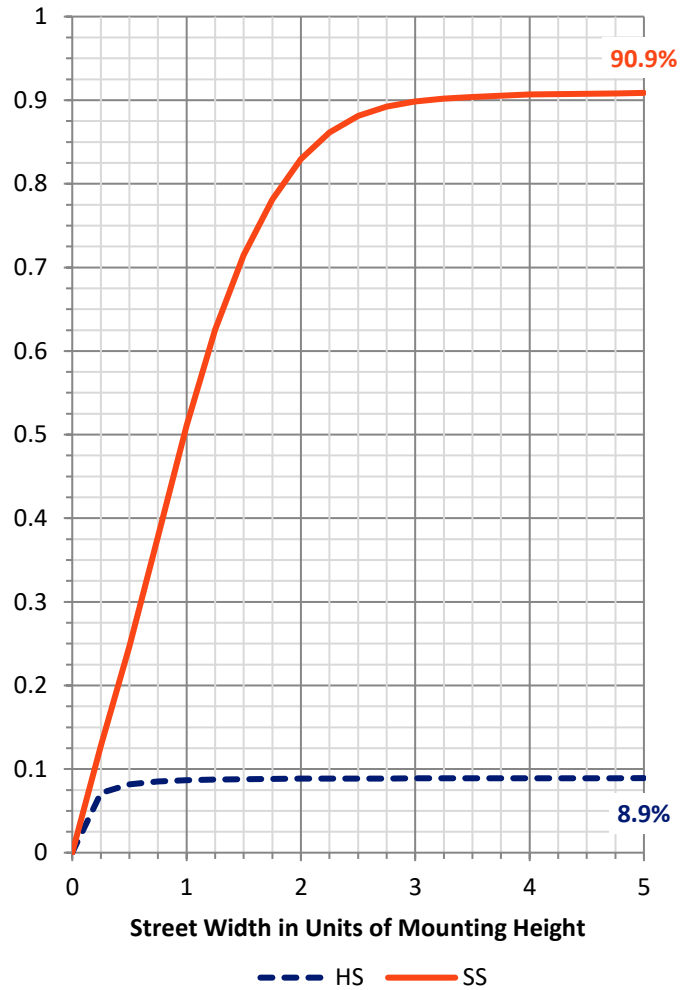
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	147.3	0.0	147.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	1492.5	0.0	1492.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	1639.8	0.0	1639.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	1.5
10°-20°	57.1	3.5
20°-30°	90.4	5.5
30°-40°	156.0	9.5
40°-50°	263.4	16.1
50°-60°	387.0	23.6
60°-70°	458.8	28.0
70°-80°	195.7	11.9
80°-90°	6.2	0.4
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°	1639.8	100.0
0°-180°	1639.8	100.0

Coefficient of Utilization



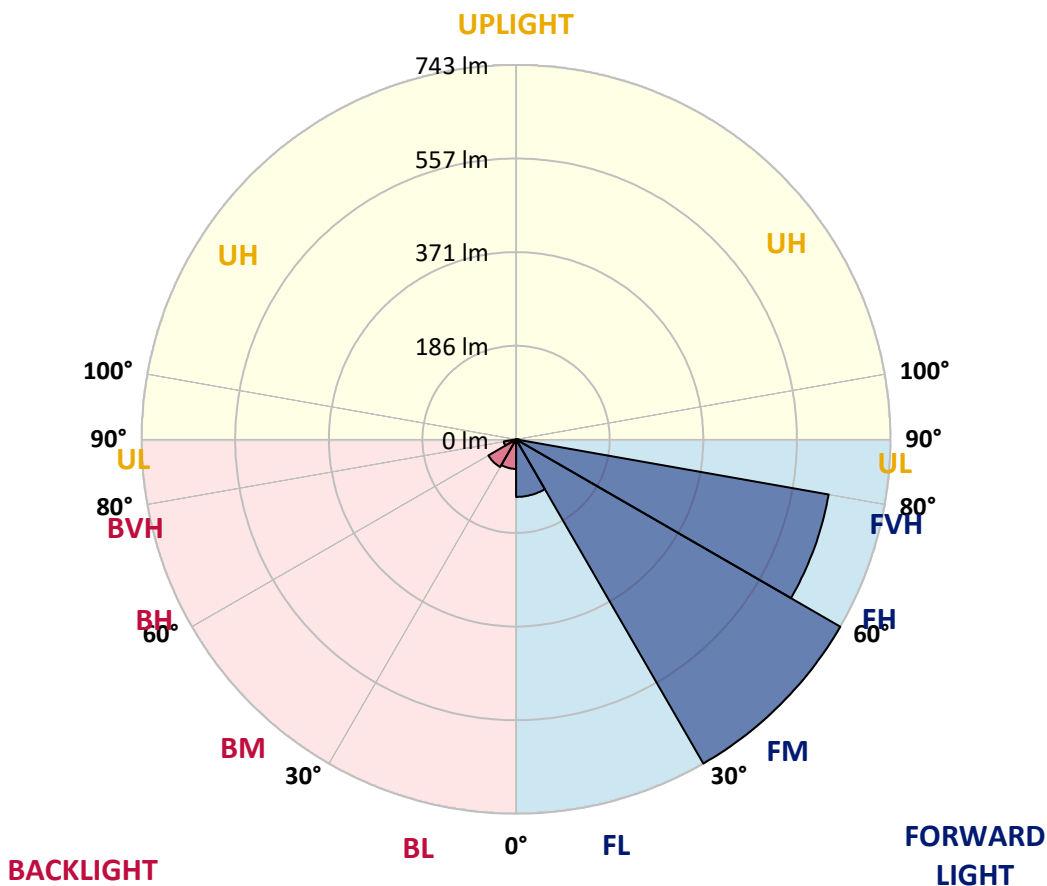
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.3	7.0			
FM (30°-60°)	742.9	45.3			
FH (60°-80°)	629.9	38.4			G0/660
FVH (80°-90°)	5.5	0.3			G0/10
BL (0°-30°)	58.7	3.6	B0/110		
BM (30°-60°)	63.4	3.9	B0/220		
BH (60°-80°)	24.6	1.5	B0/110		G0/110
BVH (80°-90°)	0.6	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-G0
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7
2.5°	275.3	274.8	275.1	277.4	281.6	283.5	286.8	287.4	290.1	293.6	294.9
5°	257.4	255.9	256.6	259.8	264.6	270.0	276.2	277.8	284.6	292.2	297.9
7.5°	241.0	239.4	241.2	246.1	252.9	258.7	267.9	268.9	279.8	293.3	303.6
10°	215.3	215.8	219.4	228.1	238.5	250.6	262.9	264.4	277.8	296.7	312.8
12.5°	195.7	194.6	198.5	208.4	223.0	240.7	259.2	261.1	278.0	302.0	324.5
15°	186.5	186.2	187.9	195.1	209.2	230.1	255.7	258.3	279.9	306.8	335.6
17.5°	186.8	186.4	186.2	190.4	200.9	222.1	252.0	255.3	281.6	312.0	347.3
20°	199.9	197.8	194.0	192.1	198.4	217.0	249.4	253.2	284.0	317.6	359.8
22.5°	227.2	227.9	217.9	207.4	204.4	217.6	249.1	253.5	289.2	326.3	375.1
25°	281.9	280.7	262.0	238.5	222.1	224.5	254.4	259.6	299.6	338.8	389.5
27.5°	350.3	351.4	325.9	288.3	254.1	238.8	264.0	269.2	311.6	346.6	399.1
30°	425.0	423.9	396.6	355.0	299.4	262.5	273.6	278.3	317.6	350.8	409.0
32.5°	495.5	493.1	466.1	422.6	357.2	299.9	286.8	289.5	325.6	359.9	422.4
35°	555.8	555.6	532.0	485.6	416.7	346.7	309.5	311.7	340.4	374.5	442.1
37.5°	617.9	615.8	589.4	547.0	477.8	398.1	344.2	343.3	363.8	396.0	466.3
40°	669.0	667.6	647.4	606.7	541.3	454.8	386.2	383.5	391.6	425.7	499.9
42.5°	706.8	707.0	700.7	675.9	608.6	520.5	439.1	434.9	434.7	470.6	544.3
45°	735.5	737.5	746.9	743.2	688.1	596.9	506.8	502.4	495.1	528.9	595.2
47.5°	748.9	751.4	780.0	795.0	757.6	672.7	587.4	578.3	563.9	606.4	652.2
50°	747.5	752.0	791.8	837.5	820.6	749.6	675.3	670.9	647.4	688.4	708.5
52.5°	716.9	726.5	792.6	863.3	869.1	820.5	766.1	758.0	746.6	773.9	761.3
55°	633.7	645.4	760.9	871.6	907.0	882.4	855.0	848.4	829.5	854.7	807.4
57.5°	588.5	598.6	694.2	867.5	939.1	939.6	934.2	928.8	913.1	934.6	861.5
60°	561.3	571.4	658.6	852.6	968.3	999.9	1008.5	1007.9	985.4	1025.5	924.9
62.5°	521.5	535.3	621.5	814.0	989.0	1059.4	1085.2	1081.2	1056.1	1120.1	987.6
65°	441.2	453.2	545.5	750.4	976.8	1108.7	1168.4	1170.5	1141.5	1209.1	1037.2
67.5°	309.3	318.2	409.9	616.7	894.2	1124.9	1253.6	1253.4	1204.0	1254.8	1015.3
70°	179.3	191.5	242.2	381.3	695.7	1051.1	1266.3	1270.7	1178.6	1159.4	840.2
72.5°	69.4	79.4	137.2	202.6	362.8	805.2	1089.3	1102.1	986.4	894.4	584.7
75°	20.7	23.1	64.6	107.8	145.7	388.9	737.5	741.1	676.6	557.9	299.7
77.5°	15.5	17.1	28.2	54.5	51.1	117.9	381.6	416.7	359.2	199.3	82.6
80°	10.5	12.5	20.1	26.6	18.9	31.4	107.2	117.7	109.6	44.7	20.7
82.5°	4.7	6.0	14.3	13.4	6.9	9.0	33.0	35.1	22.7	13.5	7.2
85°	0.5	0.6	5.4	5.9	2.6	2.1	6.9	6.9	5.0	4.7	3.0
87.5°	0.0	0.0	0.2	0.3	0.3	0.5	0.6	0.8	0.9	1.2	1.5
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°	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7
2.5°	298.4	296.6	298.8	300.6	301.1	297.8	295.8	293.0	292.4	292.5	291.8
5°	302.4	301.5	303.2	301.2	296.1	286.5	278.3	269.1	264.1	261.3	261.0
7.5°	309.9	309.5	307.7	298.8	282.9	261.6	241.0	220.9	208.4	203.9	203.2
10°	321.1	320.1	312.8	291.8	257.8	216.8	182.3	153.5	135.9	130.8	124.5
12.5°	333.8	332.0	315.9	276.6	220.0	163.2	120.1	87.8	72.7	68.2	68.2
15°	346.1	342.2	314.1	251.5	173.4	106.2	67.1	50.8	46.1	44.9	44.9
17.5°	358.7	351.2	307.1	217.3	119.8	62.8	44.7	41.6	41.0	41.1	41.3
20°	370.6	358.9	294.6	176.1	76.4	43.8	40.1	39.3	39.0	39.3	39.2
22.5°	383.5	365.9	275.7	131.2	49.7	39.5	38.1	37.5	37.2	37.7	37.7
25°	396.3	371.1	250.6	88.3	39.5	36.8	36.0	35.4	35.1	35.3	35.3
27.5°	402.9	369.1	217.7	56.3	35.4	34.1	33.3	32.6	32.1	32.0	32.1
30°	407.4	363.1	177.5	40.1	32.1	30.5	29.7	29.1	27.9	27.2	27.5
32.5°	414.5	357.1	133.8	33.6	29.4	26.9	25.7	24.2	22.5	21.8	21.8
35°	422.9	348.8	93.9	30.3	26.6	23.9	21.6	19.1	17.1	16.5	16.5
37.5°	434.0	341.0	62.5	28.1	24.2	21.3	18.2	15.2	13.1	12.8	12.6
40°	450.6	334.4	44.0	26.4	22.1	18.6	14.9	11.7	10.2	9.8	9.8
42.5°	472.3	327.7	34.8	24.8	20.3	16.1	11.9	9.3	8.1	7.8	7.7
45°	499.0	319.7	30.3	23.3	18.5	13.4	9.5	7.8	6.9	6.6	6.6
47.5°	528.0	308.9	28.2	21.3	16.4	10.8	8.0	6.8	6.3	6.2	6.0
50°	556.5	294.3	26.4	19.5	14.0	8.9	6.9	6.2	5.9	5.7	5.7
52.5°	581.4	277.4	24.2	17.4	11.4	7.7	6.2	5.7	5.4	5.1	5.0
55°	602.8	258.9	21.3	15.0	9.3	6.8	5.7	5.3	5.0	4.7	4.5
57.5°	630.2	248.4	17.1	12.2	7.7	6.0	5.3	4.8	4.5	4.1	4.1
60°	660.7	240.7	12.8	9.6	6.6	5.6	4.8	4.4	4.1	3.6	3.6
62.5°	685.2	229.3	10.1	7.8	5.7	5.0	4.4	3.9	3.6	3.2	3.2
65°	694.5	205.7	8.3	6.2	4.7	4.4	3.9	3.6	3.2	2.7	2.7
67.5°	652.5	158.6	6.9	5.0	3.9	3.8	3.5	3.3	2.7	2.4	2.3
70°	516.7	96.7	5.7	4.1	3.3	3.2	3.2	2.9	2.4	2.3	2.1
72.5°	354.1	49.9	4.7	3.3	2.9	2.9	2.7	2.6	2.3	2.1	2.1
75°	184.0	16.7	3.6	2.6	2.3	2.4	2.4	2.3	2.1	2.1	2.0
77.5°	52.7	7.5	2.7	2.0	1.8	1.8	2.0	2.0	2.0	1.8	1.8
80°	13.7	4.4	2.0	1.5	1.5	1.5	1.5	1.7	1.8	1.7	1.7
82.5°	5.6	2.4	1.4	1.2	1.2	1.2	1.2	1.4	1.5	1.5	1.5
85°	3.5	1.2	1.1	1.1	1.1	0.9	0.9	1.1	1.1	1.2	1.2
87.5°	2.1	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
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)