

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: P628634

Luminaire Tested: GWS-SA1A-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1650.4 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

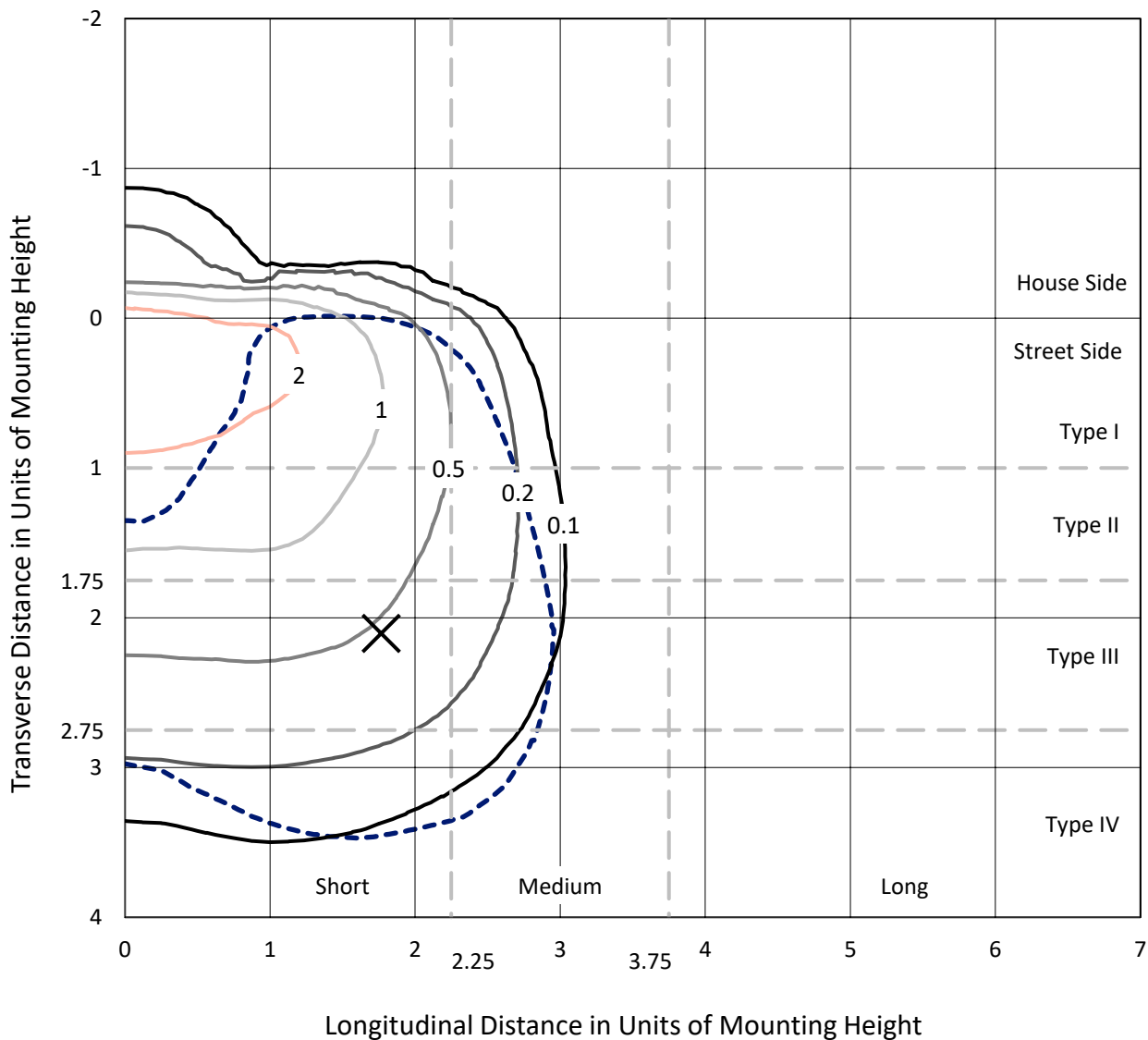
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

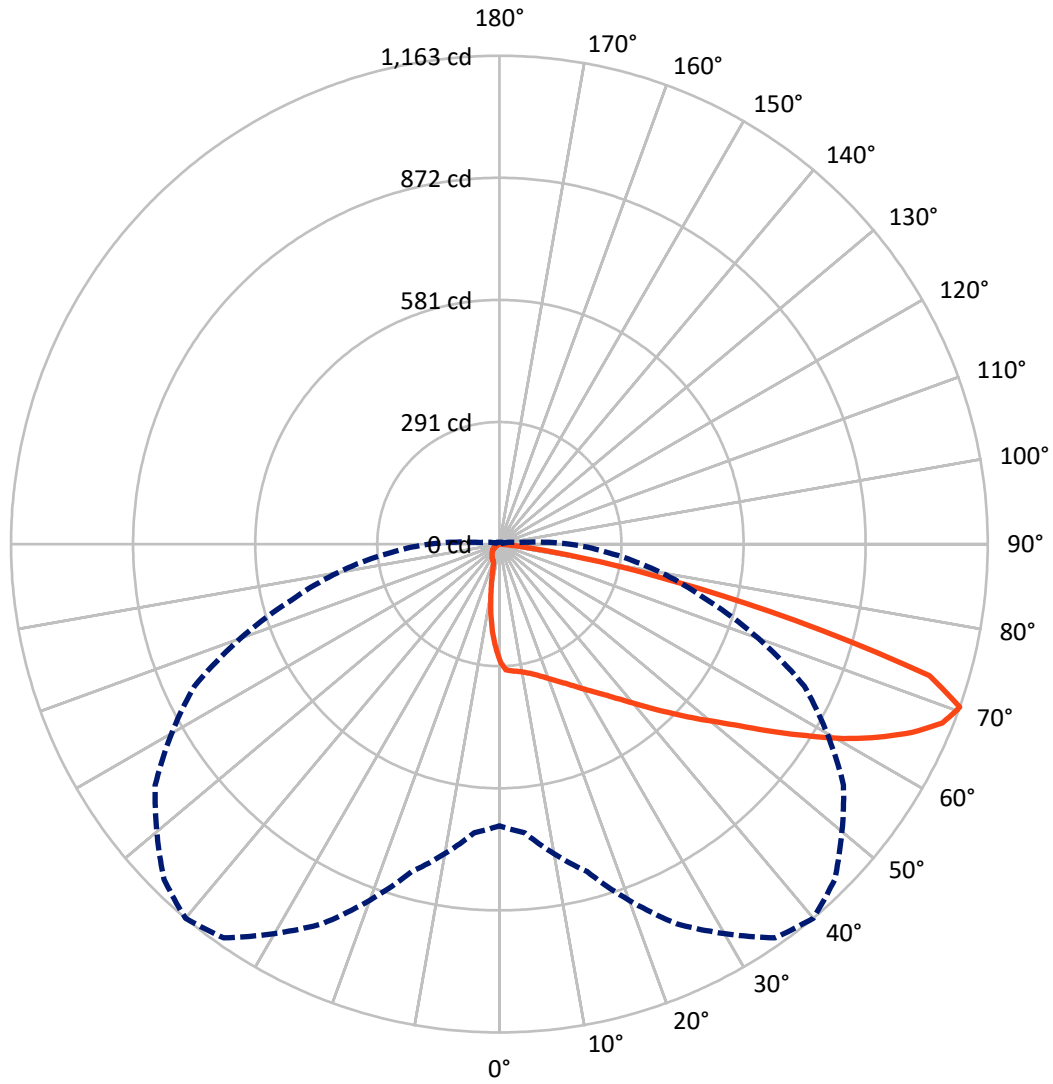
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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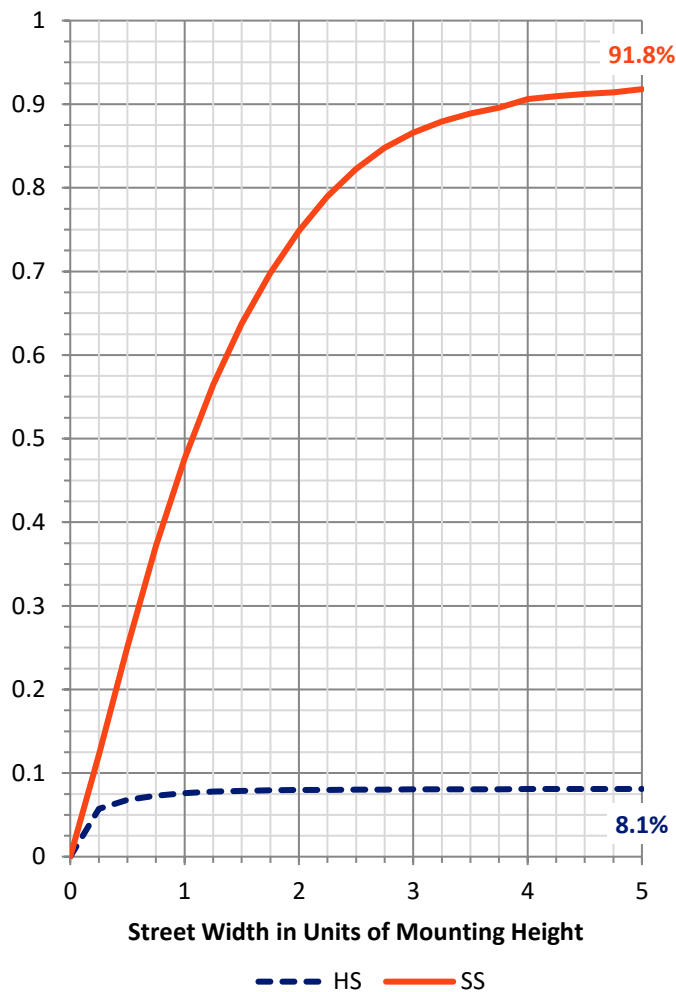
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	135.0	0.0	135.0
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	1515.4	0.0	1515.4
	% Fixture	91.8	0.0	91.8
Total	Lumens	1650.4	0.0	1650.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	1.4
10°-20°	60.0	3.6
20°-30°	100.5	6.1
30°-40°	157.8	9.6
40°-50°	249.6	15.1
50°-60°	364.1	22.1
60°-70°	451.4	27.4
70°-80°	228.4	13.8
80°-90°	14.9	0.9
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°	1650.4	100.0
0°-180°	1650.4	100.0

Coefficient of Utilization



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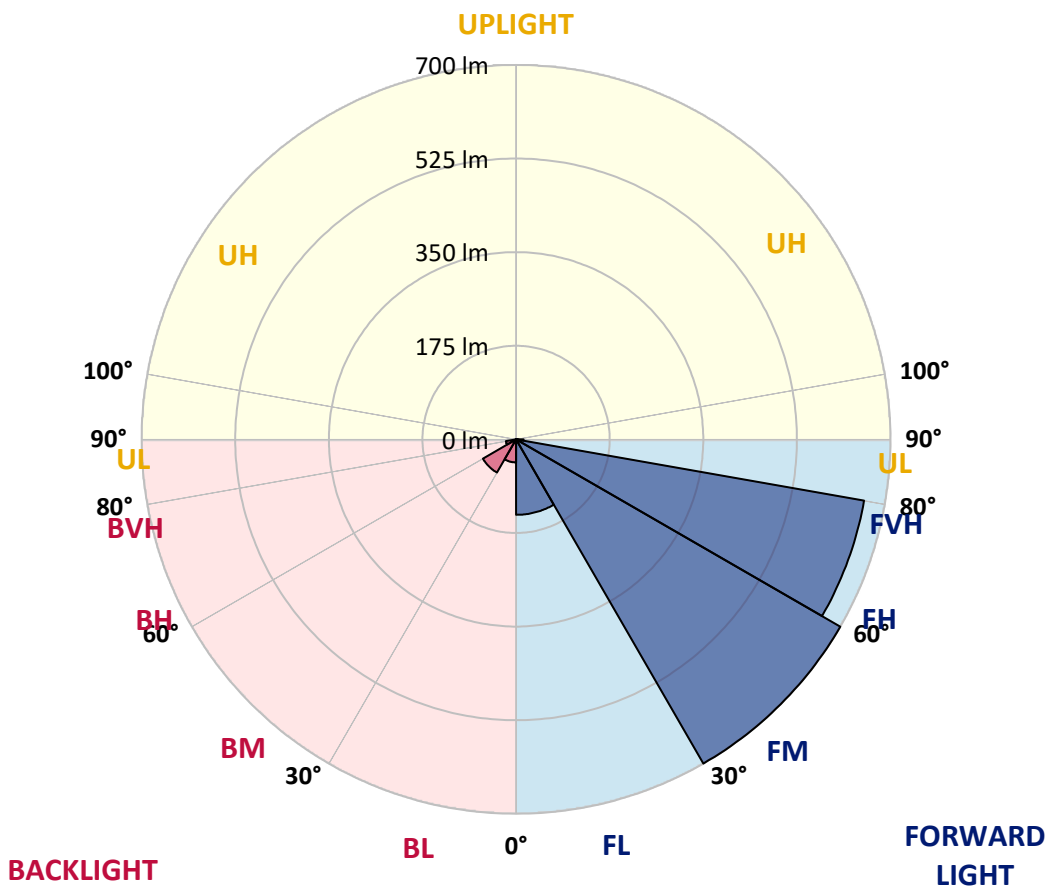
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.1	8.5			
FM (30°-60°)	699.9	42.4			
FH (60°-80°)	660.5	40.0			G1/1800
FVH (80°-90°)	13.9	0.8			G1/100
BL (0°-30°)	43.1	2.6	B0/110		
BM (30°-60°)	71.6	4.3	B0/220		
BH (60°-80°)	19.3	1.2	B0/110		G0/110
BVH (80°-90°)	1.0	0.1			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	280.1	280.1	280.1	280.1	280.1	280.1	280.1	280.1	280.1	280.1	280.1
2.5°	301.1	302.1	302.0	302.4	301.4	299.7	299.4	297.2	293.1	288.0	282.3
5°	307.2	308.4	307.5	307.1	305.1	303.3	302.9	300.5	295.8	288.9	279.0
7.5°	312.5	312.8	312.2	311.1	308.3	305.9	304.2	300.9	295.4	288.5	277.0
10°	313.4	313.2	313.5	313.7	311.9	309.8	308.4	303.9	296.9	289.5	277.2
12.5°	312.3	312.3	314.3	316.5	316.5	315.5	314.1	310.1	301.8	293.1	280.2
15°	313.7	314.1	317.9	322.1	323.5	322.4	321.8	317.6	309.0	299.4	285.6
17.5°	318.5	318.9	325.0	331.3	332.9	331.7	330.5	326.3	317.1	306.6	291.8
20°	325.6	326.8	334.4	342.5	344.0	342.5	340.1	334.3	325.1	314.4	297.6
22.5°	338.5	339.2	347.5	356.0	356.8	354.4	350.8	342.7	333.1	322.7	304.2
25°	355.6	356.6	364.9	373.2	371.2	367.6	362.6	353.5	342.5	332.5	312.6
27.5°	376.0	377.2	385.3	392.5	387.4	383.2	377.7	366.2	355.1	346.0	323.5
30°	398.1	399.1	406.3	412.8	406.0	401.1	394.5	382.8	371.5	364.6	338.8
32.5°	419.4	419.3	426.2	431.4	424.5	420.6	414.6	402.7	393.7	390.7	361.6
35°	439.2	439.2	444.9	450.2	445.2	443.1	437.6	428.1	423.0	426.6	392.1
37.5°	459.2	458.1	463.6	469.4	469.0	469.1	466.0	461.4	461.7	474.5	434.0
40°	475.7	475.3	481.6	489.2	495.2	500.0	498.1	499.7	509.2	533.1	487.6
42.5°	488.9	490.0	498.1	510.3	525.4	535.2	536.5	543.3	567.6	604.6	548.1
45°	504.1	504.2	515.5	534.1	558.3	573.8	579.2	596.6	631.1	678.7	614.5
47.5°	522.7	520.9	533.5	559.7	594.6	617.5	627.1	648.9	702.3	751.1	668.5
50°	543.3	540.0	554.2	589.8	635.3	663.9	683.4	715.2	772.9	810.6	708.8
52.5°	567.2	564.0	580.2	624.5	684.1	718.8	743.9	776.0	833.4	855.9	732.8
55°	597.5	594.3	611.5	666.1	741.8	786.9	813.1	840.2	889.7	889.4	750.2
57.5°	631.1	626.8	650.5	718.7	813.7	860.6	887.3	900.5	932.5	915.4	761.9
60°	669.7	665.8	698.7	781.3	896.8	940.2	957.0	951.6	967.6	930.7	757.9
62.5°	704.6	702.8	743.6	847.7	975.9	1012.5	1017.2	993.6	993.5	931.0	730.5
65°	740.8	744.2	804.9	924.1	1055.5	1080.1	1072.2	1035.4	1003.8	894.2	649.8
67.5°	754.3	764.3	845.3	993.2	1118.3	1137.5	1123.5	1056.2	960.7	770.5	494.8
70°	670.8	689.7	807.1	997.1	1144.2	1162.6	1129.1	1000.1	801.0	510.4	271.0
72.5°	510.1	532.2	672.6	816.4	1029.1	1070.8	1013.6	814.8	516.3	223.6	91.0
75°	285.5	309.3	500.9	614.8	690.9	729.0	708.0	522.7	228.7	58.4	27.2
77.5°	96.6	104.5	233.1	380.4	456.0	421.8	357.1	259.6	84.1	22.2	14.4
80°	57.2	60.2	86.8	189.4	240.0	199.0	157.1	96.0	42.8	11.9	10.1
82.5°	17.1	20.3	47.9	70.3	94.0	58.6	49.6	54.8	22.2	6.5	8.4
85°	0.0	0.0	10.2	21.8	24.6	9.6	9.6	31.1	4.1	2.7	6.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.5	0.6	1.4
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°	280.1	280.1	280.1	280.1	280.1	280.1	280.1	280.1	280.1	280.1	280.1
2.5°	278.3	273.0	266.8	261.0	255.4	248.2	244.8	240.6	237.0	235.0	236.1
5°	272.7	264.4	251.8	239.1	226.1	214.0	203.0	195.7	189.1	185.6	186.4
7.5°	267.9	256.8	237.1	216.2	195.5	174.6	157.7	144.5	134.2	130.0	129.3
10°	265.8	251.8	224.0	194.0	162.2	134.1	110.1	95.5	85.1	80.0	80.9
12.5°	266.8	249.3	212.9	172.2	130.9	98.2	75.2	61.6	54.2	51.2	50.5
15°	269.8	248.7	203.0	150.0	101.1	68.6	52.0	46.4	44.9	44.6	44.6
17.5°	273.3	248.8	192.8	127.5	76.7	50.9	44.4	43.4	42.9	42.6	42.8
20°	276.7	248.8	181.1	104.7	57.7	44.0	42.3	41.6	41.1	41.0	41.0
22.5°	281.0	248.8	168.0	83.5	46.3	41.7	40.4	39.9	39.5	39.3	39.2
25°	286.1	249.0	153.6	65.3	42.0	39.8	38.7	38.3	37.8	37.5	37.5
27.5°	293.4	250.2	137.7	50.9	39.6	38.0	37.1	36.6	36.2	35.7	35.7
30°	304.1	253.2	119.8	42.0	37.4	36.0	35.1	34.8	34.4	33.9	33.8
32.5°	320.0	258.4	101.4	37.7	35.3	33.9	32.9	32.6	32.1	31.7	31.5
35°	342.2	268.0	83.3	35.0	32.6	31.2	30.6	30.5	29.9	29.4	29.4
37.5°	374.8	283.7	66.1	32.3	30.3	29.3	28.5	28.2	27.6	27.2	27.0
40°	414.6	303.9	51.4	30.2	28.2	27.2	26.4	26.0	25.2	24.6	24.3
42.5°	465.4	328.7	40.5	27.9	26.3	25.2	24.6	23.7	22.7	21.8	21.6
45°	518.2	354.2	33.5	25.8	24.5	23.6	22.8	21.6	20.1	19.1	18.8
47.5°	558.8	370.2	29.3	23.6	22.5	21.8	20.9	19.4	17.6	16.4	16.1
50°	587.7	372.6	26.1	21.5	20.9	20.1	18.8	17.0	15.0	13.8	13.5
52.5°	602.0	361.7	23.6	19.5	19.1	18.3	16.7	14.7	12.6	11.4	11.1
55°	608.5	341.3	21.2	17.9	17.3	16.4	14.6	12.5	10.4	9.3	9.0
57.5°	605.9	311.1	19.1	16.2	15.5	14.4	12.5	10.2	8.6	7.5	7.4
60°	587.0	268.8	17.0	14.6	13.7	12.5	10.5	8.4	6.9	6.2	6.0
62.5°	546.1	216.2	14.9	12.6	12.0	10.8	9.0	6.9	5.7	5.3	5.1
65°	462.5	152.9	12.8	10.7	10.4	9.2	7.5	5.7	5.0	4.7	4.5
67.5°	332.5	93.0	10.8	9.2	8.9	7.8	6.3	5.0	4.5	4.4	4.4
70°	167.1	44.0	8.6	7.5	7.5	6.5	5.4	4.5	4.4	4.2	4.2
72.5°	56.8	18.8	6.5	5.9	6.2	5.6	4.7	4.2	4.2	4.2	4.2
75°	19.4	9.9	4.5	4.2	4.5	4.5	4.1	4.1	4.2	4.2	4.2
77.5°	12.6	6.6	3.2	2.9	3.5	3.5	3.5	3.8	4.1	4.1	4.1
80°	10.4	3.6	2.1	2.0	2.6	2.6	2.9	3.5	3.8	3.8	3.8
82.5°	8.9	2.3	1.2	1.4	1.8	2.0	2.4	2.9	3.3	3.5	3.5
85°	6.0	1.2	0.9	1.1	1.2	1.5	2.0	2.4	2.7	3.0	3.0
87.5°	1.7	0.5	0.6	0.8	0.8	1.1	1.5	1.8	2.1	2.3	2.3
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)