

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: P628797

Luminaire Tested: GWS-SA1A-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2271.7 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

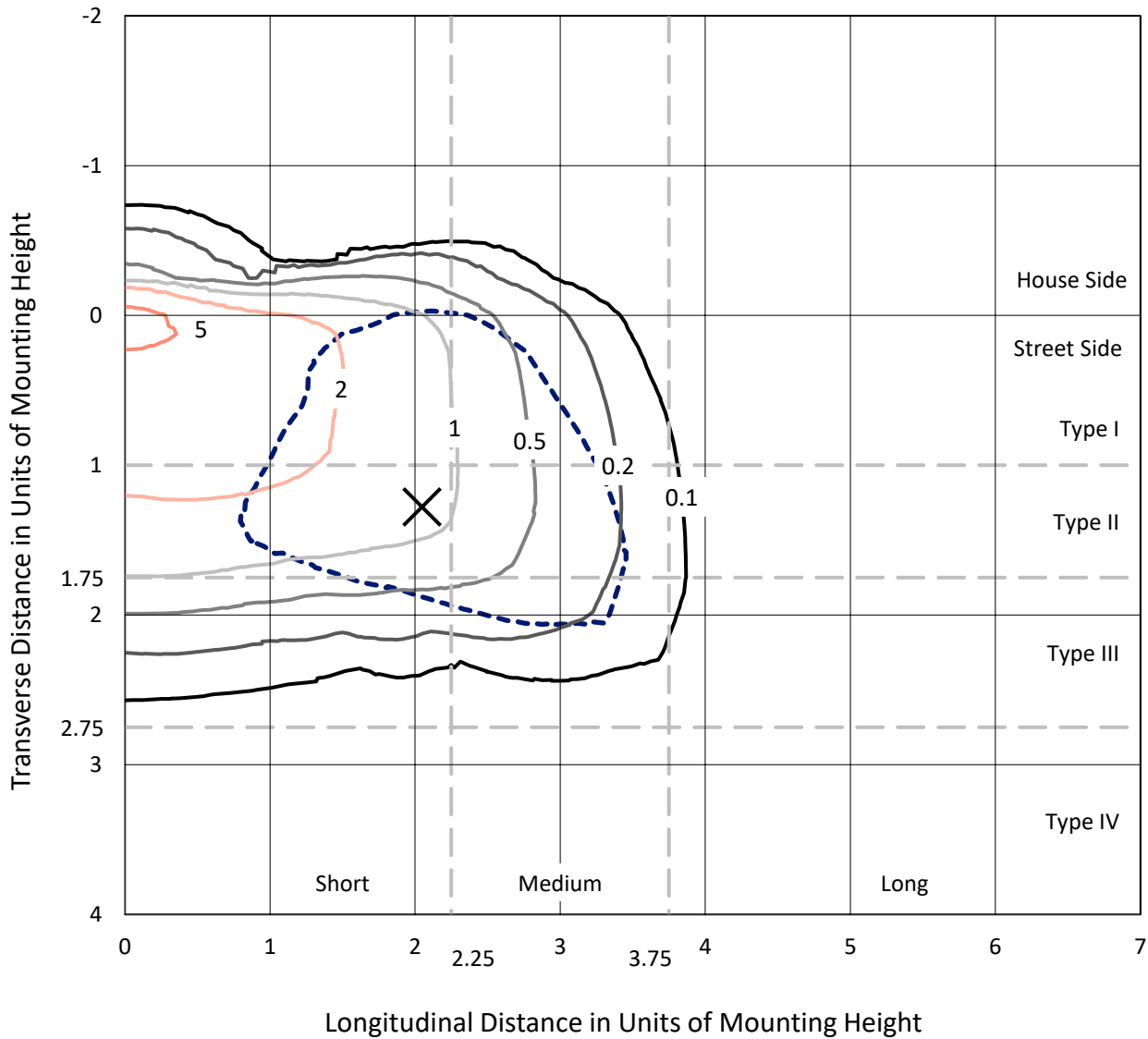
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

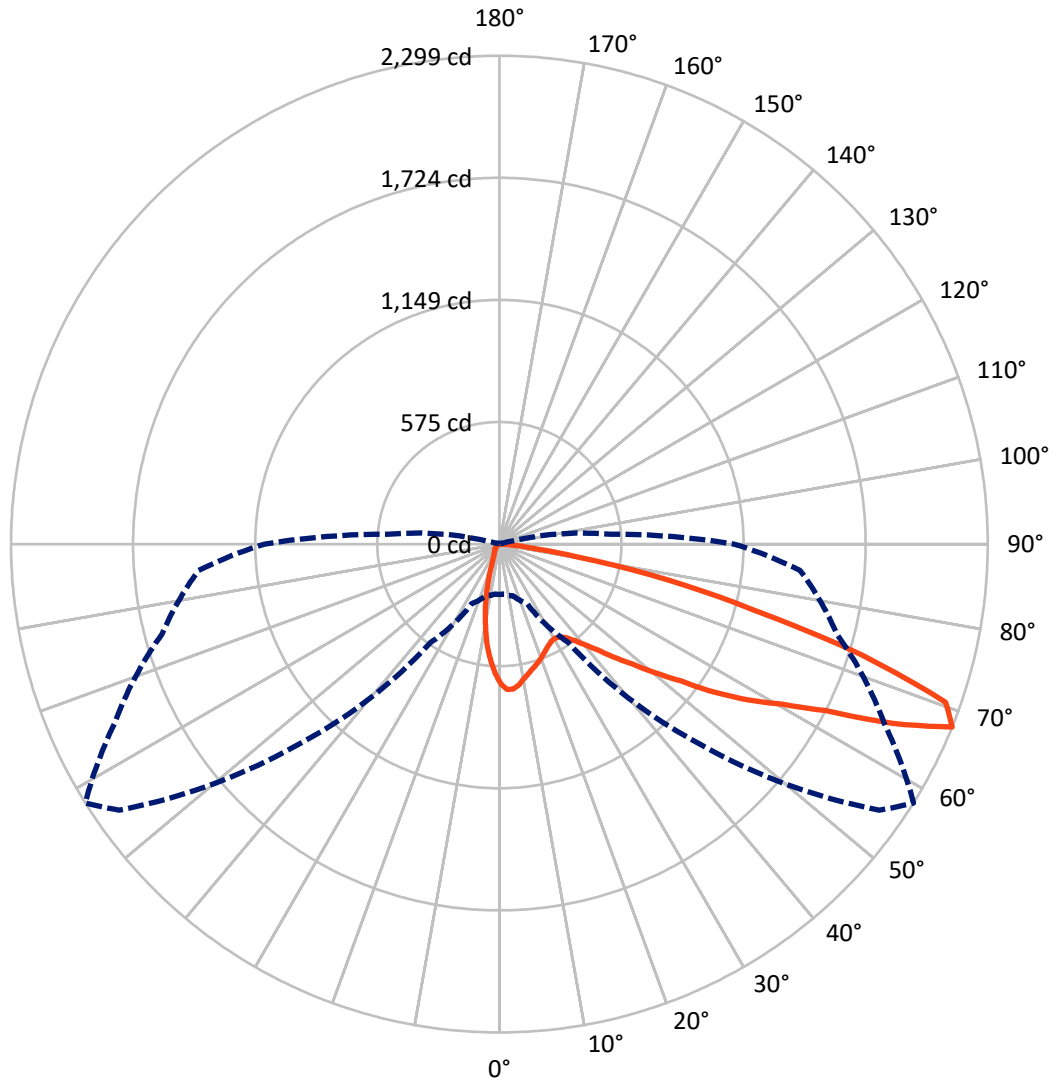
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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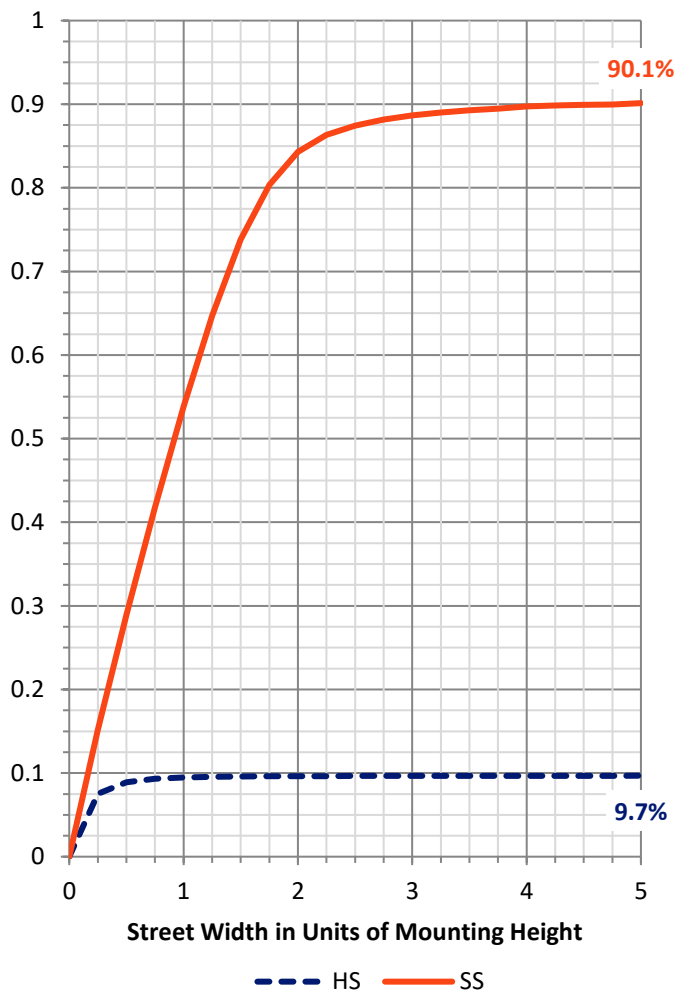
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	221.9	0.0	221.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2049.8	0.0	2049.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	2271.7	0.0	2271.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	2.3
10°-20°	110.8	4.9
20°-30°	149.5	6.6
30°-40°	210.0	9.2
40°-50°	324.4	14.3
50°-60°	518.7	22.8
60°-70°	614.2	27.0
70°-80°	271.7	12.0
80°-90°	19.0	0.8
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°	2271.7	100.0
0°-180°	2271.7	100.0

Coefficient of Utilization



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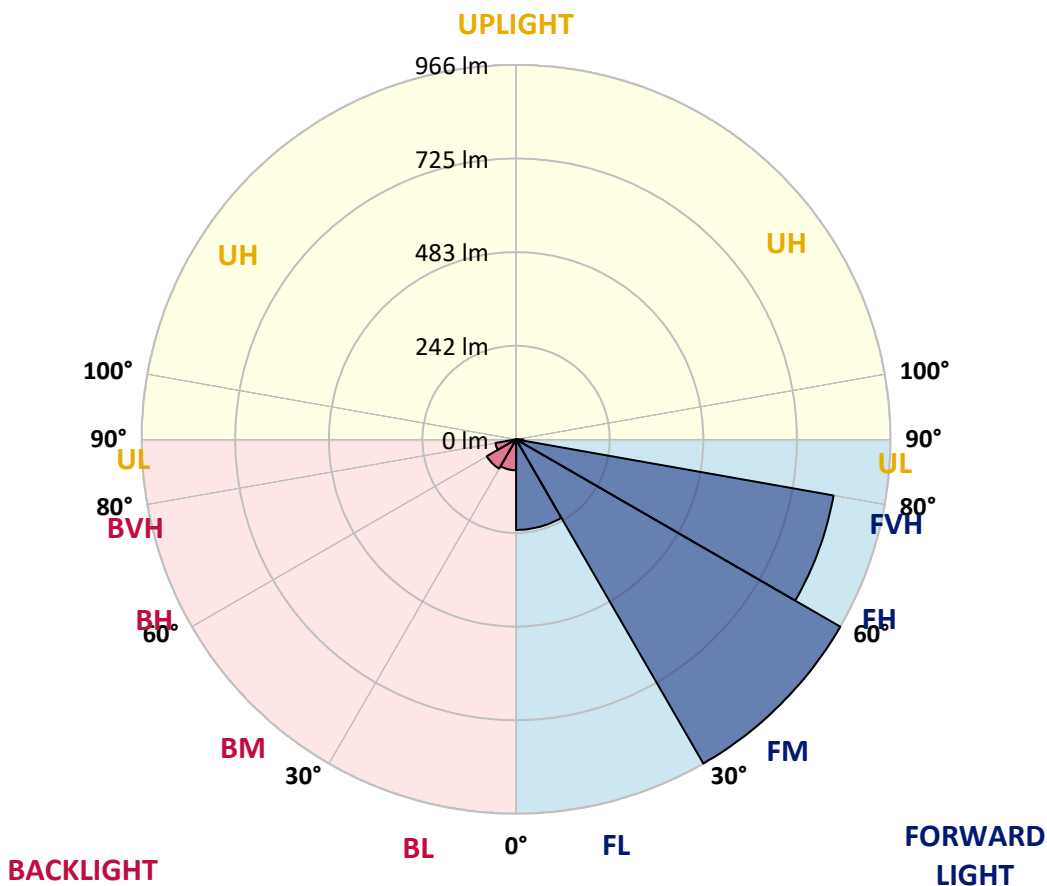
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.7	10.3			
FM (30°-60°)	966.1	42.5			
FH (60°-80°)	831.8	36.6			G1/1800
FVH (80°-90°)	18.2	0.8			G1/100
BL (0°-30°)	79.9	3.5	B0/110		
BM (30°-60°)	87.1	3.8	B0/220		
BH (60°-80°)	54.2	2.4	B0/110		G0/110
BVH (80°-90°)	0.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3
2.5°	689.2	690.5	692.1	694.1	693.7	691.9	689.6	684.6	681.4	671.3	659.1
5°	667.1	666.9	670.9	674.8	681.6	685.2	690.2	685.6	684.0	672.0	652.0
7.5°	623.9	626.1	630.7	636.8	646.6	657.3	669.3	667.9	672.8	664.7	640.0
10°	581.5	580.3	587.5	596.6	611.6	625.3	642.8	642.6	655.3	654.5	626.3
12.5°	544.3	544.1	549.7	560.0	577.7	596.8	620.5	621.1	636.8	643.2	614.7
15°	512.9	513.3	518.7	529.4	547.7	571.0	598.6	603.6	621.3	634.4	603.2
17.5°	490.6	490.8	494.0	503.3	521.2	546.1	579.3	586.1	608.8	627.7	593.9
20°	480.3	479.5	480.1	484.8	498.6	521.4	559.6	568.4	597.4	623.1	585.5
22.5°	481.7	480.5	477.7	477.1	483.4	500.6	538.6	549.5	584.9	620.3	577.9
25°	494.2	491.6	487.6	481.5	479.1	487.8	520.4	531.6	573.2	620.5	572.0
27.5°	513.3	510.5	505.5	497.4	488.0	484.4	507.9	518.5	565.0	625.1	569.2
30°	537.6	535.4	530.6	521.0	508.3	493.4	505.3	514.1	561.0	634.6	570.4
32.5°	566.4	564.8	560.8	551.9	537.4	514.7	514.1	521.0	564.2	648.2	575.0
35°	594.1	594.7	594.9	590.1	574.6	547.1	538.4	540.9	577.5	668.7	585.5
37.5°	624.1	622.7	629.9	633.3	618.5	589.1	576.0	576.2	602.8	699.1	605.2
40°	646.8	647.2	662.9	677.0	670.7	642.4	623.7	623.5	641.8	740.7	637.0
42.5°	668.1	670.7	693.9	718.0	726.6	701.5	688.0	683.0	696.5	797.0	684.6
45°	690.9	694.7	727.0	761.4	784.1	769.3	758.6	760.6	762.2	862.6	748.8
47.5°	717.4	719.8	759.8	808.3	850.7	846.9	847.5	845.1	844.3	945.2	833.6
50°	749.6	755.2	801.2	859.1	917.0	942.4	950.8	951.8	938.8	1035.3	921.5
52.5°	817.9	824.8	864.2	914.8	989.4	1042.7	1077.1	1070.3	1050.2	1122.5	1017.8
55°	898.6	903.8	941.8	994.3	1077.9	1152.7	1234.3	1231.5	1182.3	1214.4	1097.0
57.5°	906.2	912.0	970.9	1051.4	1191.5	1288.6	1374.5	1383.5	1311.3	1279.6	1167.8
60°	820.3	832.2	912.6	1020.8	1234.9	1471.4	1528.1	1529.9	1406.0	1345.7	1254.2
62.5°	657.5	663.1	744.1	885.3	1168.0	1577.9	1762.7	1724.5	1527.7	1448.1	1391.2
65°	344.6	367.5	438.1	594.3	947.2	1540.7	2045.0	2034.6	1746.4	1594.6	1497.7
67.5°	236.5	236.2	252.9	309.8	564.8	1326.6	2183.5	2298.6	1999.4	1644.9	1420.5
70°	180.0	180.6	195.4	232.4	292.5	883.1	2031.5	2228.2	2046.4	1493.5	1148.9
72.5°	119.4	120.6	145.4	187.8	233.6	432.9	1578.7	1782.8	1721.9	1199.5	808.7
75°	71.4	72.4	90.1	136.5	207.7	242.3	1003.1	1232.5	1185.3	826.8	433.5
77.5°	29.4	30.2	46.2	85.0	152.0	188.2	554.7	806.5	710.0	328.7	118.4
80°	12.3	12.7	22.3	59.5	109.6	118.0	257.0	379.0	290.9	70.8	36.2
82.5°	4.4	4.6	8.2	32.8	68.2	88.9	129.7	149.8	82.0	23.1	19.5
85°	0.2	0.2	2.0	11.1	25.9	25.1	74.2	71.8	27.1	9.7	11.7
87.5°	0.0	0.0	0.2	0.2	0.4	1.0	7.0	12.5	5.8	2.4	5.0
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°	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3
2.5°	651.0	640.4	628.7	617.9	600.6	590.3	577.7	572.0	564.0	562.0	563.2
5°	637.8	619.5	591.5	566.2	533.4	507.1	480.5	469.3	454.8	445.2	441.1
7.5°	619.1	595.1	551.5	505.5	460.4	412.4	375.8	351.7	329.7	317.7	315.3
10°	600.2	569.0	506.5	440.5	370.8	313.3	263.8	227.2	197.4	184.0	173.5
12.5°	580.7	541.9	460.6	374.6	293.6	215.1	154.0	118.4	97.1	88.7	90.1
15°	562.8	515.7	415.2	308.6	206.7	129.9	85.0	71.8	66.8	65.1	64.9
17.5°	545.7	491.0	370.0	244.5	136.3	79.6	65.1	61.9	60.5	59.7	59.7
20°	530.2	467.3	325.7	184.2	88.1	63.1	58.9	57.3	56.1	55.5	55.5
22.5°	515.7	444.3	282.5	130.3	64.9	56.7	54.1	52.5	51.1	50.3	50.3
25°	502.7	423.6	241.3	89.7	55.9	51.9	49.1	47.2	44.8	43.4	43.4
27.5°	493.2	405.1	201.7	65.3	50.5	46.6	43.4	41.0	38.4	36.8	36.4
30°	487.6	389.5	161.7	53.7	45.4	41.6	38.0	35.0	32.0	30.4	30.2
32.5°	484.4	375.0	125.1	46.8	41.2	36.8	32.8	29.6	26.5	24.7	24.5
35°	485.6	363.7	93.7	42.2	37.2	32.6	28.1	24.9	22.3	20.7	20.3
37.5°	496.0	358.7	70.4	38.6	33.8	29.0	24.3	21.3	18.9	17.7	17.5
40°	516.3	359.7	55.3	35.8	31.0	25.3	20.9	18.1	16.3	15.3	15.1
42.5°	547.9	368.1	45.6	33.4	27.9	22.1	18.1	15.9	14.1	13.1	12.9
45°	594.9	385.6	39.8	30.6	24.7	19.1	15.7	13.7	12.1	10.9	10.7
47.5°	663.1	416.0	36.0	27.9	21.9	16.5	13.5	11.5	10.1	9.0	8.8
50°	735.7	452.4	32.8	25.3	19.5	14.3	11.5	9.4	8.2	7.2	7.0
52.5°	813.1	491.6	30.4	22.9	17.3	12.3	9.7	7.8	6.6	5.6	5.4
55°	887.5	531.0	27.5	21.3	14.7	10.5	8.0	6.4	5.2	4.4	4.4
57.5°	959.9	567.2	24.5	18.7	12.1	8.8	6.6	5.2	4.2	3.6	3.4
60°	1046.3	617.3	21.1	15.9	10.1	7.4	5.4	4.2	3.4	2.8	2.8
62.5°	1174.8	669.3	18.1	13.3	8.4	6.2	4.4	3.4	2.8	2.4	2.2
65°	1216.8	641.2	15.3	10.9	6.8	5.0	3.6	3.0	2.4	2.2	2.0
67.5°	1104.6	525.6	12.7	8.8	5.6	4.2	3.2	2.6	2.2	2.0	1.8
70°	862.0	373.0	9.9	6.6	4.6	3.4	2.8	2.4	2.0	1.8	1.8
72.5°	586.3	220.6	7.8	5.0	3.8	3.0	2.4	2.2	2.0	1.8	1.6
75°	288.7	78.4	6.0	3.8	3.0	2.6	2.2	2.0	1.8	1.6	1.6
77.5°	77.8	21.7	4.6	3.0	2.4	2.0	2.0	2.0	1.8	1.4	1.4
80°	26.3	9.0	3.4	2.2	2.0	1.6	1.4	1.8	1.6	1.4	1.2
82.5°	14.5	4.4	2.4	1.8	1.4	1.2	1.2	1.2	1.2	1.0	1.0
85°	9.2	2.4	1.6	1.4	1.4	1.0	0.8	0.8	0.6	0.6	0.6
87.5°	4.2	1.4	1.4	1.2	1.2	1.0	0.6	0.4	0.2	0.2	0.2
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)