

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: P628852

Luminaire Tested: GWS-SA1A-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628852
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2303.2 lumens
Efficiency: N/A
Efficacy: 116.9 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

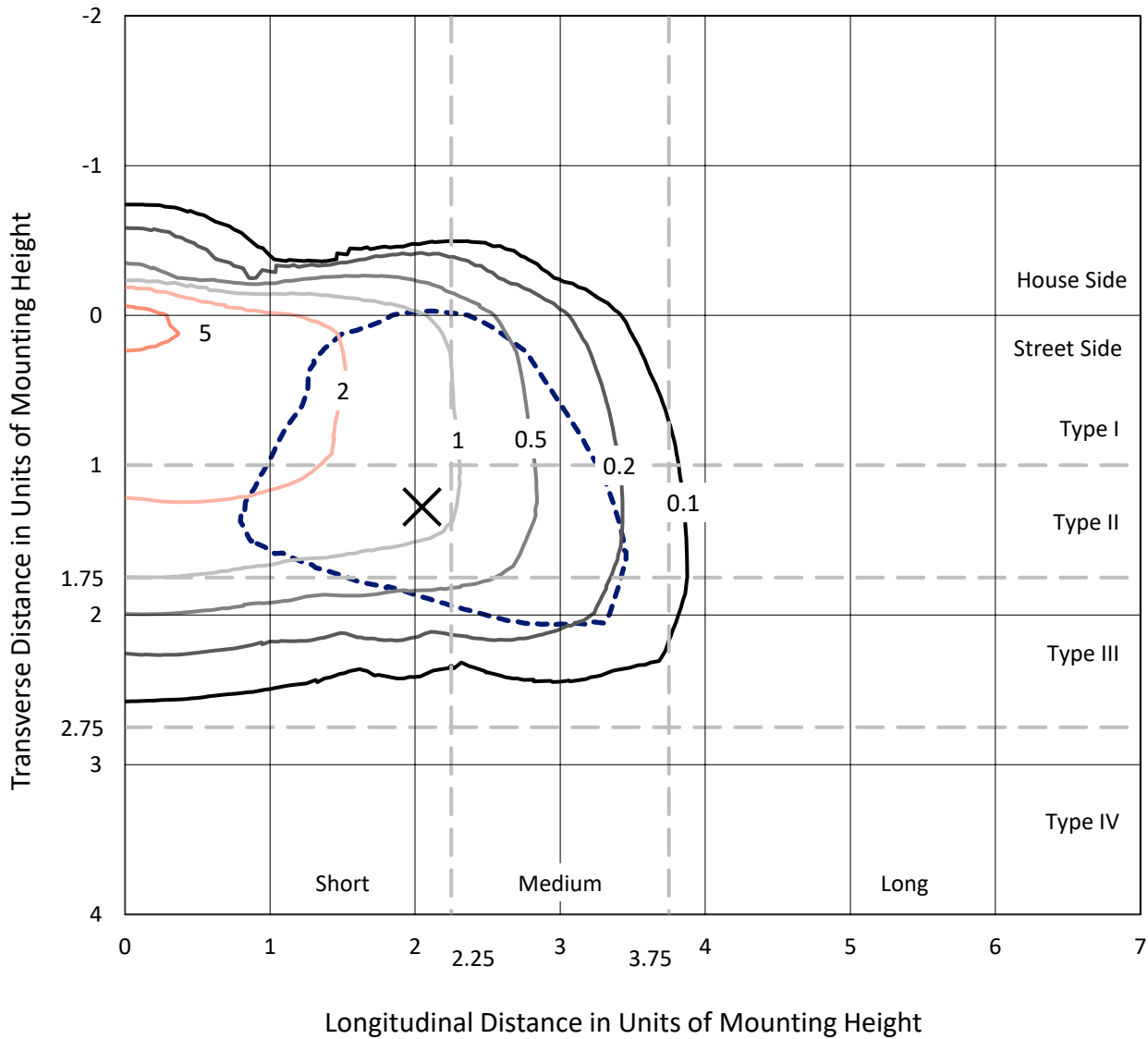
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

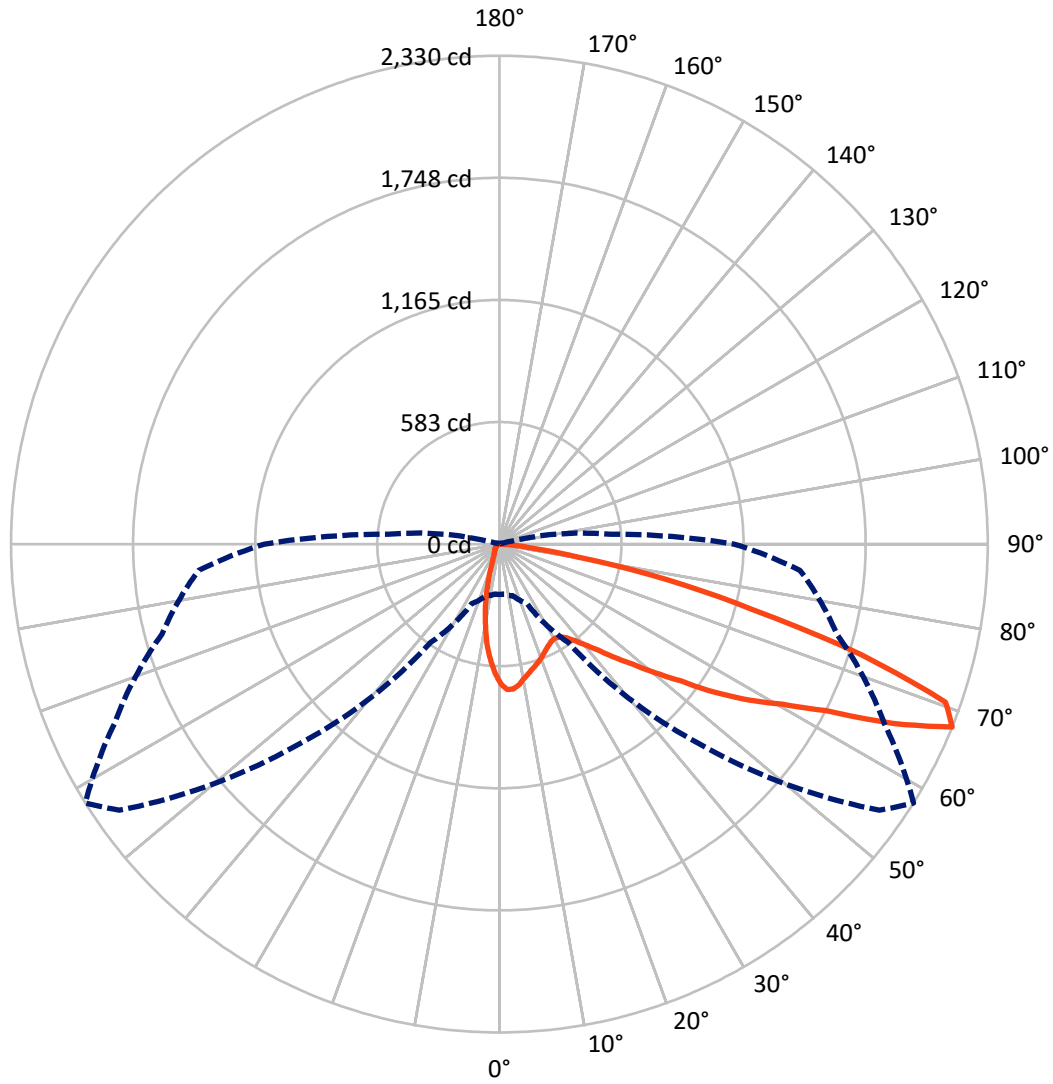
✕ Max cd
 - - - 1/2 Max cd



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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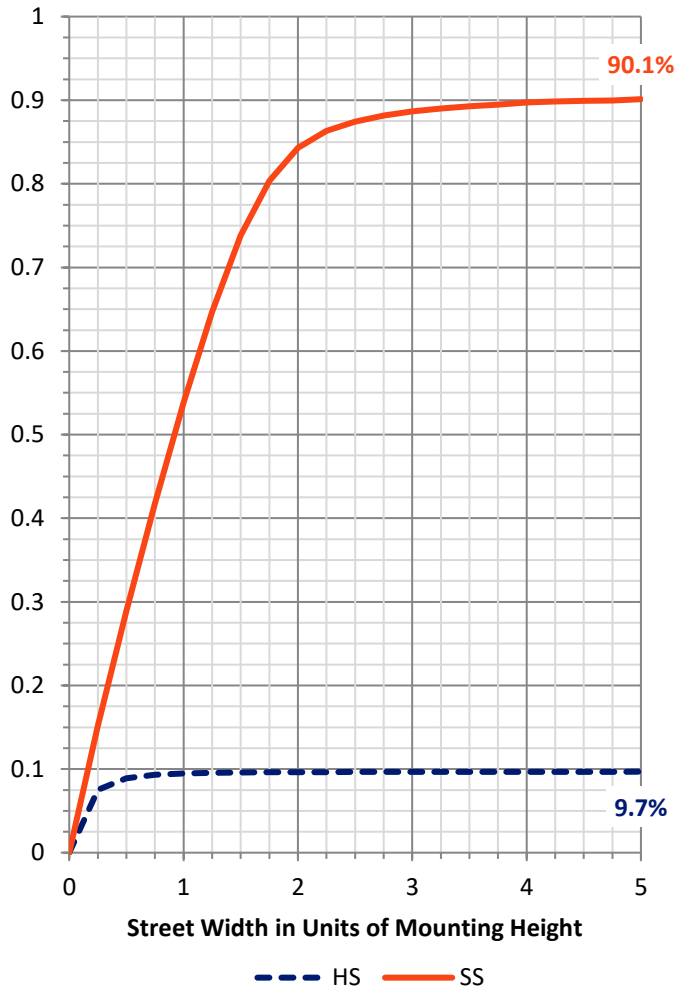
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.0	0.0	225.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2078.2	0.0	2078.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	2303.2	0.0	2303.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	2.3
10°-20°	112.4	4.9
20°-30°	151.5	6.6
30°-40°	213.0	9.2
40°-50°	328.9	14.3
50°-60°	525.9	22.8
60°-70°	622.8	27.0
70°-80°	275.5	12.0
80°-90°	19.2	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°	2303.2	100.0
0°-180°	2303.2	100.0

Coefficient of Utilization



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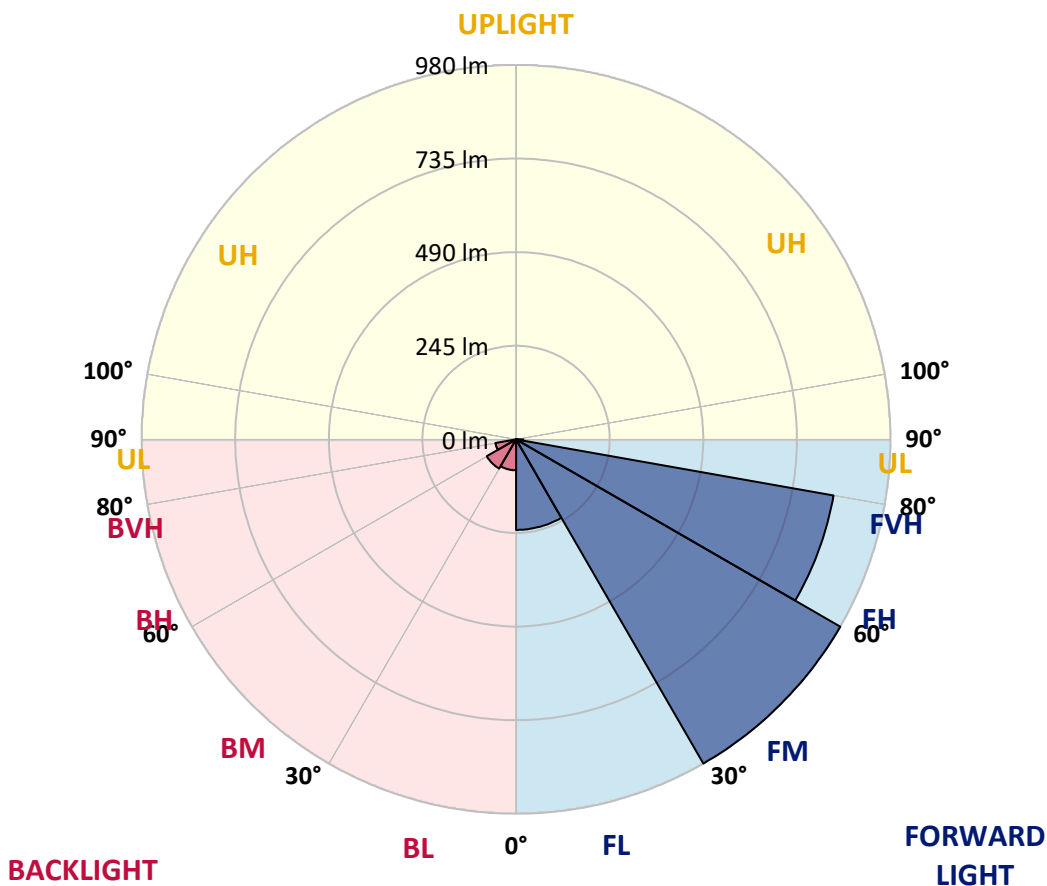
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.9	10.3			
FM (30°-60°)	979.5	42.5			
FH (60°-80°)	843.3	36.6			G1/1800
FVH (80°-90°)	18.4	0.8			G1/100
BL (0°-30°)	81.0	3.5	B0/110		
BM (30°-60°)	88.3	3.8	B0/220		
BH (60°-80°)	54.9	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°	664.4	664.4	664.4	664.4	664.4	664.4	664.4	664.4	664.4	664.4	664.4
2.5°	698.8	700.0	701.7	703.7	703.3	701.5	699.2	694.1	690.9	680.7	668.2
5°	676.4	676.2	680.3	684.1	691.1	694.7	699.8	695.1	693.5	681.3	661.1
7.5°	632.6	634.8	639.5	645.6	655.6	666.4	678.6	677.2	682.1	673.9	648.9
10°	589.5	588.3	595.7	604.8	620.1	634.0	651.7	651.5	664.4	663.5	635.0
12.5°	551.8	551.6	557.3	567.7	585.7	605.0	629.1	629.7	645.6	652.1	623.2
15°	520.0	520.4	525.9	536.7	555.3	578.9	606.9	612.0	629.9	643.2	611.6
17.5°	497.4	497.6	500.9	510.2	528.4	553.7	587.3	594.2	617.3	636.4	602.2
20°	487.0	486.2	486.8	491.5	505.6	528.6	567.3	576.3	605.6	631.7	593.6
22.5°	488.4	487.2	484.4	483.7	490.1	507.6	546.1	557.1	593.0	628.9	585.9
25°	501.1	498.4	494.3	488.2	485.8	494.5	527.6	539.0	581.2	629.1	580.0
27.5°	520.4	517.6	512.5	504.3	494.7	491.1	514.9	525.7	572.8	633.8	577.1
30°	545.1	542.9	538.0	528.2	515.3	500.3	512.3	521.2	568.7	643.4	578.3
32.5°	574.2	572.6	568.5	559.6	544.9	521.9	521.2	528.2	572.0	657.2	583.0
35°	602.4	603.0	603.2	598.3	582.6	554.7	545.9	548.4	585.5	678.0	593.6
37.5°	632.8	631.3	638.7	642.1	627.0	597.3	584.0	584.2	611.1	708.8	613.6
40°	655.8	656.2	672.1	686.4	680.0	651.3	632.3	632.1	650.7	751.0	645.8
42.5°	677.4	680.0	703.5	728.0	736.7	711.2	697.6	692.5	706.1	808.1	694.1
45°	700.4	704.3	737.1	772.0	795.0	779.9	769.1	771.2	772.8	874.5	759.1
47.5°	727.3	729.8	770.4	819.5	862.5	858.6	859.2	856.8	856.0	958.3	845.2
50°	760.0	765.7	812.3	871.1	929.8	955.5	964.0	965.0	951.8	1049.6	934.2
52.5°	829.3	836.2	876.2	927.5	1003.2	1057.2	1092.0	1085.1	1064.7	1138.1	1031.9
55°	911.0	916.3	954.8	1008.0	1092.8	1168.7	1251.4	1248.6	1198.6	1231.3	1112.2
57.5°	918.8	924.7	984.4	1065.9	1208.0	1306.5	1393.5	1402.7	1329.5	1297.3	1184.0
60°	831.7	843.7	925.3	1035.0	1252.1	1491.8	1549.3	1551.1	1425.5	1364.4	1271.6
62.5°	666.6	672.3	754.5	897.6	1184.2	1599.8	1787.2	1748.4	1548.9	1468.1	1410.4
65°	349.4	372.6	444.2	602.6	960.3	1562.1	2073.4	2062.8	1770.7	1616.7	1518.5
67.5°	239.7	239.5	256.4	314.1	572.6	1345.0	2213.8	2330.4	2027.1	1667.7	1440.2
70°	182.4	183.1	198.1	235.7	296.6	895.3	2059.7	2259.1	2074.8	1514.2	1164.8
72.5°	121.1	122.3	147.4	190.4	236.9	438.9	1600.6	1807.5	1745.8	1216.2	819.9
75°	72.4	73.4	91.3	138.4	210.6	245.6	1017.0	1249.6	1201.7	838.2	439.5
77.5°	29.8	30.6	46.9	86.2	154.1	190.8	562.4	817.6	719.8	333.3	120.1
80°	12.4	12.8	22.6	60.3	111.1	119.7	260.5	384.3	295.0	71.8	36.7
82.5°	4.5	4.7	8.4	33.2	69.1	90.1	131.5	151.9	83.2	23.4	19.8
85°	0.2	0.2	2.0	11.2	26.3	25.5	75.2	72.8	27.5	9.8	11.8
87.5°	0.0	0.0	0.2	0.2	0.4	1.0	7.1	12.6	5.9	2.4	5.1
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°	664.4	664.4	664.4	664.4	664.4	664.4	664.4	664.4	664.4	664.4	664.4
2.5°	660.1	649.3	637.4	626.4	608.9	598.5	585.7	580.0	571.8	569.8	571.0
5°	646.6	628.1	599.7	574.0	540.8	514.1	487.2	475.8	461.1	451.3	447.2
7.5°	627.7	603.4	559.2	512.5	466.8	418.1	381.0	356.5	334.3	322.1	319.6
10°	608.5	576.9	513.5	446.6	375.9	317.6	267.5	230.4	200.2	186.5	175.9
12.5°	588.7	549.4	467.0	379.8	297.6	218.1	156.1	120.1	98.5	89.9	91.3
15°	570.6	522.9	421.0	312.9	209.6	131.7	86.2	72.8	67.7	66.0	65.8
17.5°	553.3	497.8	375.1	247.9	138.2	80.7	66.0	62.8	61.4	60.5	60.5
20°	537.6	473.8	330.2	186.7	89.3	64.0	59.7	58.1	56.9	56.3	56.3
22.5°	522.9	450.5	286.4	132.1	65.8	57.5	54.8	53.2	51.8	51.0	51.0
25°	509.6	429.5	244.6	90.9	56.7	52.6	49.7	47.9	45.5	44.0	44.0
27.5°	500.0	410.8	204.5	66.3	51.2	47.3	44.0	41.6	38.9	37.3	36.9
30°	494.3	394.9	163.9	54.4	46.1	42.2	38.5	35.5	32.4	30.8	30.6
32.5°	491.1	380.2	126.8	47.5	41.8	37.3	33.2	30.0	26.9	25.1	24.9
35°	492.3	368.8	95.0	42.8	37.7	33.0	28.5	25.3	22.6	21.0	20.6
37.5°	502.9	363.7	71.3	39.1	34.2	29.4	24.7	21.6	19.2	17.9	17.7
40°	523.5	364.7	56.1	36.3	31.4	25.7	21.2	18.3	16.5	15.5	15.3
42.5°	555.5	373.3	46.3	33.8	28.3	22.4	18.3	16.1	14.3	13.3	13.0
45°	603.2	391.0	40.4	31.0	25.1	19.4	15.9	13.9	12.2	11.0	10.8
47.5°	672.3	421.8	36.5	28.3	22.2	16.7	13.7	11.6	10.2	9.2	9.0
50°	745.9	458.7	33.2	25.7	19.8	14.5	11.6	9.6	8.4	7.3	7.1
52.5°	824.4	498.4	30.8	23.2	17.5	12.4	9.8	8.0	6.7	5.7	5.5
55°	899.8	538.4	27.9	21.6	14.9	10.6	8.2	6.5	5.3	4.5	4.5
57.5°	973.2	575.1	24.9	19.0	12.2	9.0	6.7	5.3	4.3	3.7	3.5
60°	1060.8	625.8	21.4	16.1	10.2	7.5	5.5	4.3	3.5	2.9	2.9
62.5°	1191.1	678.6	18.3	13.5	8.6	6.3	4.5	3.5	2.9	2.4	2.2
65°	1233.7	650.1	15.5	11.0	6.9	5.1	3.7	3.1	2.4	2.2	2.0
67.5°	1120.0	532.9	12.8	9.0	5.7	4.3	3.3	2.7	2.2	2.0	1.8
70°	873.9	378.1	10.0	6.7	4.7	3.5	2.9	2.4	2.0	1.8	1.8
72.5°	594.4	223.6	8.0	5.1	3.9	3.1	2.4	2.2	2.0	1.8	1.6
75°	292.7	79.5	6.1	3.9	3.1	2.7	2.2	2.0	1.8	1.6	1.6
77.5°	78.9	22.0	4.7	3.1	2.4	2.0	2.0	2.0	1.8	1.4	1.4
80°	26.7	9.2	3.5	2.2	2.0	1.6	1.4	1.8	1.6	1.4	1.2
82.5°	14.7	4.5	2.4	1.8	1.4	1.2	1.2	1.2	1.2	1.0	1.0
85°	9.4	2.4	1.6	1.4	1.4	1.0	0.8	0.8	0.6	0.6	0.6
87.5°	4.3	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)