

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: P629347

Luminaire Tested: GWS-SA1B-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629347
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-SA1B-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: 2902.8 lumens
Efficiency: N/A
Efficacy: 116.1 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

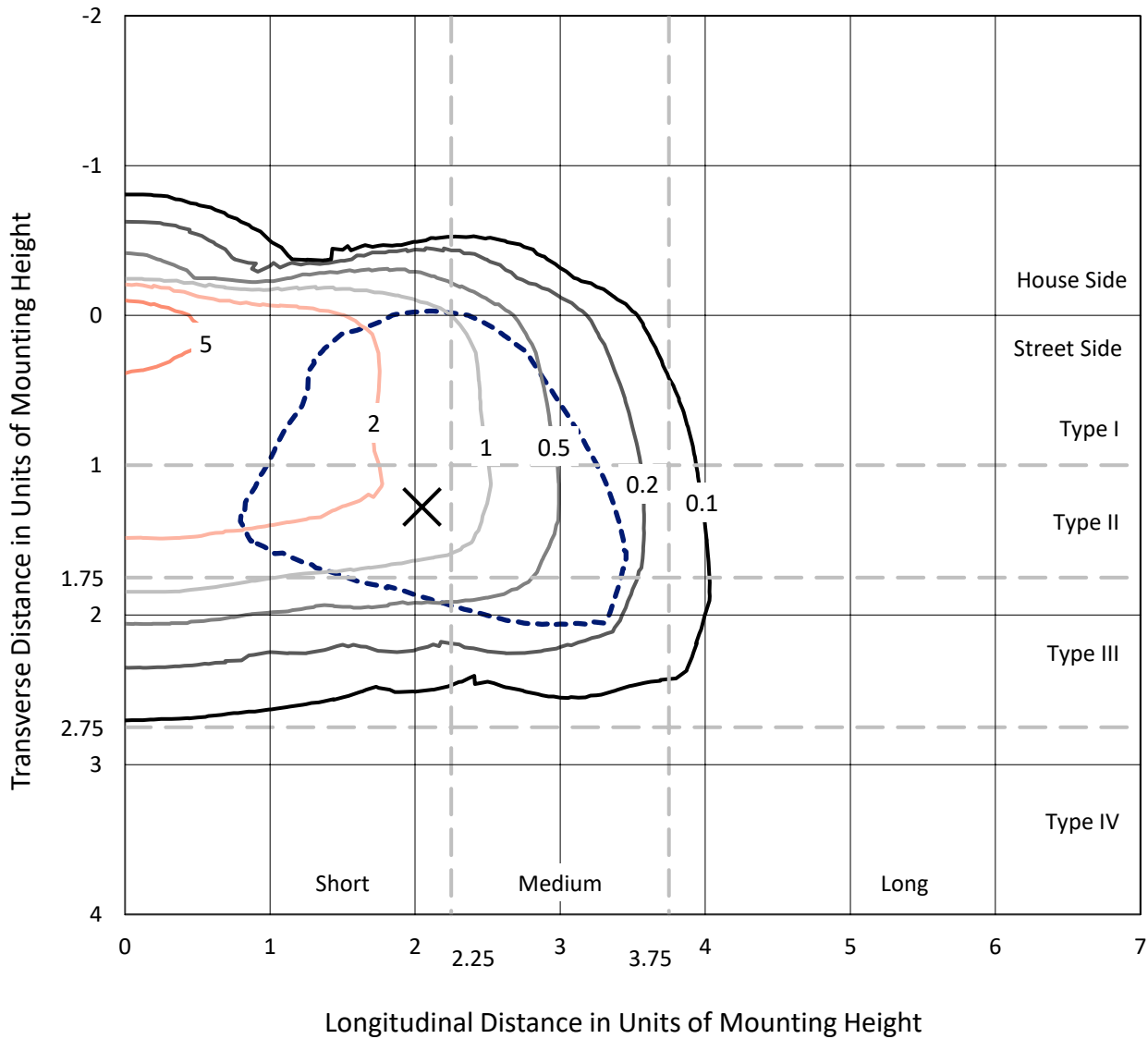
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

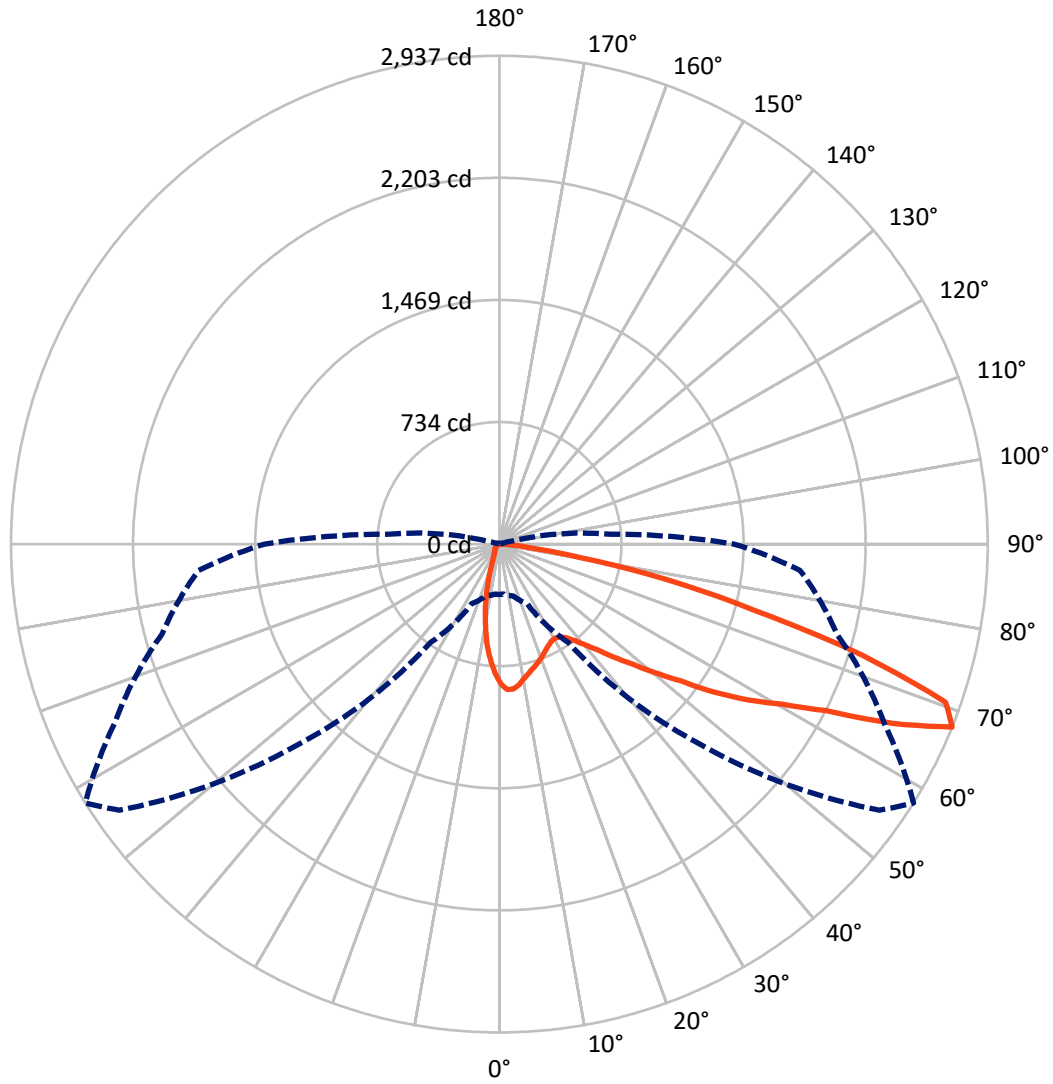
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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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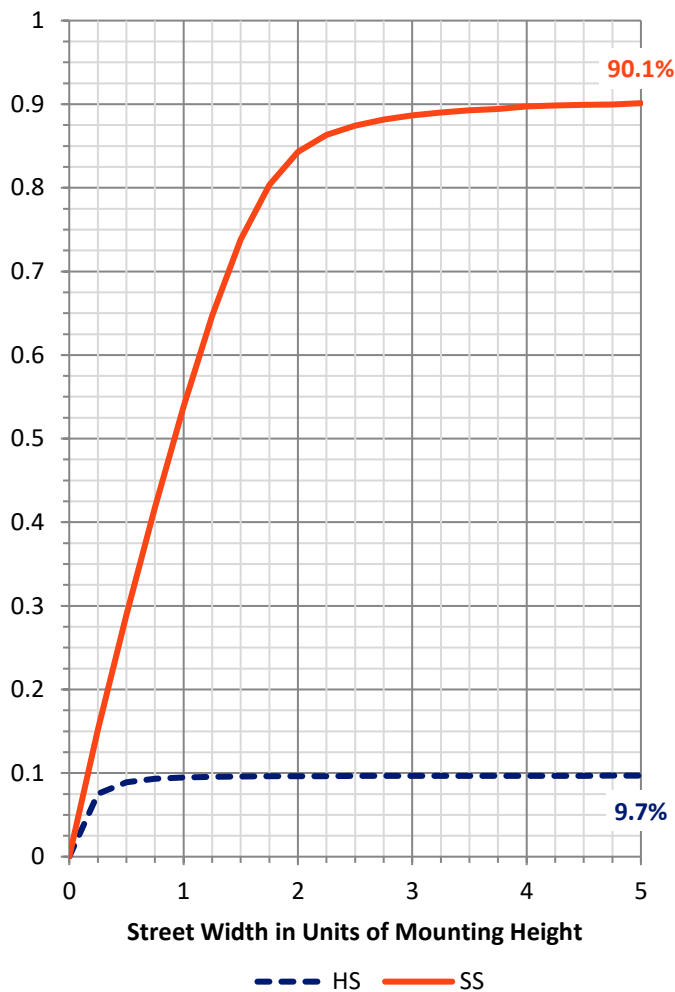
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	283.6	0.0	283.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2619.2	0.0	2619.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	2902.8	0.0	2902.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	2.3
10°-20°	141.6	4.9
20°-30°	191.0	6.6
30°-40°	268.4	9.2
40°-50°	414.5	14.3
50°-60°	662.9	22.8
60°-70°	784.9	27.0
70°-80°	347.2	12.0
80°-90°	24.3	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°	2902.8	100.0
0°-180°	2902.8	100.0

Coefficient of Utilization



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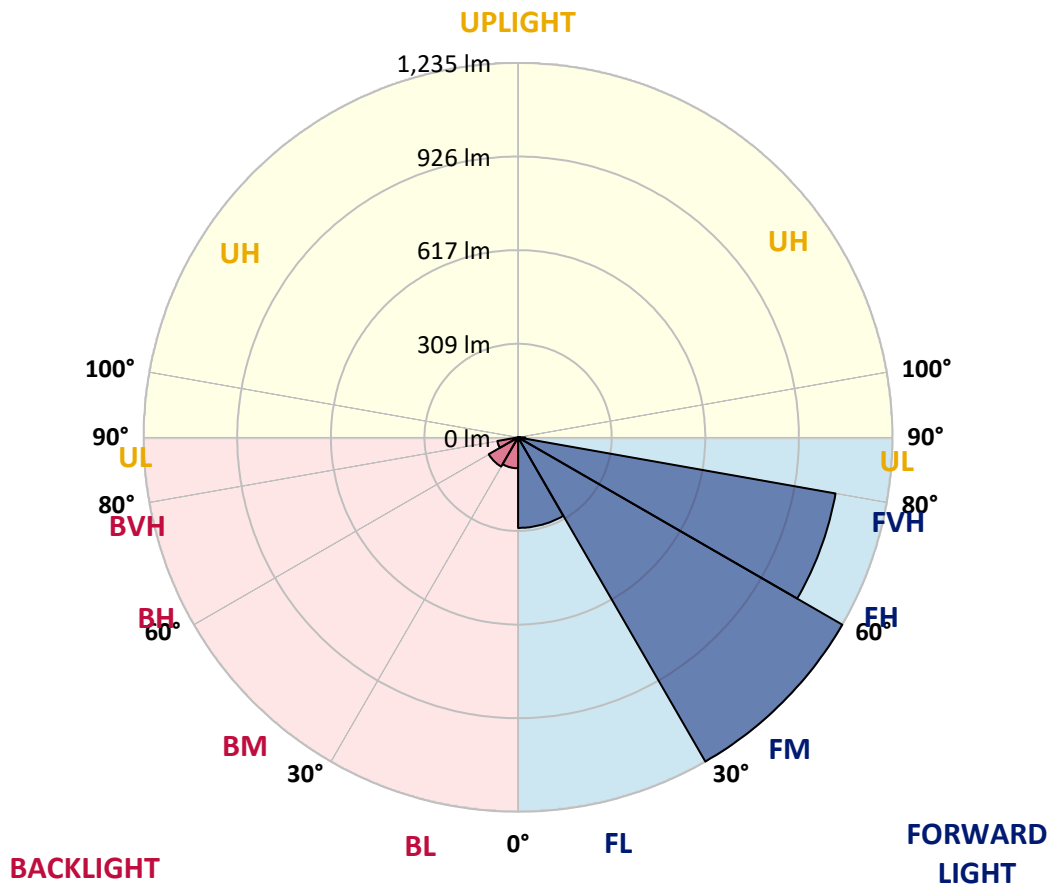
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.6	10.3			
FM (30°-60°)	1234.5	42.5			
FH (60°-80°)	1062.8	36.6			G1/1800
FVH (80°-90°)	23.2	0.8			G1/100
BL (0°-30°)	102.1	3.5	B0/110		
BM (30°-60°)	111.3	3.8	B0/220		
BH (60°-80°)	69.2	2.4	B0/110		G0/110
BVH (80°-90°)	1.0	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°	837.3	837.3	837.3	837.3	837.3	837.3	837.3	837.3	837.3	837.3	837.3
2.5°	880.7	882.3	884.3	886.9	886.4	884.1	881.2	874.8	870.7	857.9	842.2
5°	852.5	852.2	857.3	862.2	871.0	875.6	882.0	876.1	874.0	858.6	833.2
7.5°	797.2	800.1	806.0	813.7	826.3	839.9	855.3	853.5	859.7	849.4	817.8
10°	743.0	741.5	750.7	762.3	781.6	799.0	821.4	821.1	837.3	836.3	800.3
12.5°	695.5	695.2	702.4	715.5	738.1	762.5	792.9	793.6	813.7	821.9	785.4
15°	655.4	655.9	662.9	676.5	699.9	729.7	764.9	771.3	793.9	810.6	770.8
17.5°	626.9	627.1	631.3	643.1	665.9	697.8	740.2	748.9	778.0	802.1	758.9
20°	613.8	612.8	613.5	619.4	637.2	666.2	715.0	726.3	763.3	796.2	748.2
22.5°	615.6	614.0	610.4	609.7	617.6	639.7	688.3	702.2	747.4	792.6	738.4
25°	631.5	628.2	623.0	615.3	612.2	623.3	664.9	679.3	732.5	792.9	730.9
27.5°	655.9	652.3	645.9	635.6	623.5	618.9	649.0	662.6	721.9	798.8	727.3
30°	687.0	684.2	678.0	665.7	649.5	630.5	645.6	656.9	716.8	810.8	728.9
32.5°	723.7	721.7	716.6	705.2	686.7	657.7	656.9	665.7	720.9	828.3	734.8
35°	759.2	760.0	760.2	754.1	734.3	699.1	688.0	691.1	737.9	854.5	748.2
37.5°	797.5	795.7	804.9	809.3	790.3	752.8	736.1	736.3	770.2	893.3	773.3
40°	826.5	827.0	847.1	865.1	857.1	820.9	797.0	796.7	820.1	946.5	813.9
42.5°	853.7	857.1	886.6	917.5	928.5	896.4	879.2	872.8	890.0	1018.4	874.8
45°	882.8	887.7	929.0	973.0	1002.0	983.0	969.4	971.9	974.0	1102.2	956.8
47.5°	916.7	919.8	970.9	1032.8	1087.0	1082.1	1082.9	1079.8	1078.8	1207.8	1065.2
50°	957.8	965.0	1023.8	1097.8	1171.8	1204.2	1215.0	1216.3	1199.6	1322.9	1177.5
52.5°	1045.2	1053.9	1104.2	1169.0	1264.3	1332.4	1376.3	1367.6	1341.9	1434.4	1300.5
55°	1148.2	1154.9	1203.4	1270.5	1377.4	1472.9	1577.2	1573.6	1510.7	1551.8	1401.8
57.5°	1157.9	1165.4	1240.7	1343.4	1522.5	1646.6	1756.3	1767.9	1675.6	1635.0	1492.2
60°	1048.2	1063.4	1166.2	1304.4	1578.0	1880.1	1952.6	1954.9	1796.6	1719.6	1602.7
62.5°	840.1	847.3	950.9	1131.2	1492.5	2016.3	2252.4	2203.6	1952.1	1850.3	1777.6
65°	440.4	469.7	559.8	759.5	1210.4	1968.8	2613.1	2599.8	2231.6	2037.6	1913.8
67.5°	302.1	301.9	323.2	395.9	721.7	1695.2	2790.2	2937.1	2554.8	2101.9	1815.1
70°	229.9	230.7	249.7	297.0	373.8	1128.4	2595.9	2847.2	2614.9	1908.4	1468.0
72.5°	152.6	154.2	185.8	240.0	298.5	553.1	2017.3	2278.1	2200.3	1532.8	1033.3
75°	91.2	92.5	115.1	174.4	265.4	309.6	1281.8	1574.9	1514.5	1056.5	553.9
77.5°	37.5	38.5	59.1	108.7	194.2	240.5	708.8	1030.5	907.2	420.1	151.3
80°	15.7	16.2	28.5	76.0	140.0	150.8	328.3	484.3	371.8	90.4	46.2
82.5°	5.7	5.9	10.5	41.9	87.1	113.6	165.7	191.4	104.8	29.5	24.9
85°	0.3	0.3	2.6	14.1	33.1	32.1	94.8	91.7	34.7	12.3	14.9
87.5°	0.0	0.0	0.3	0.3	0.5	1.3	9.0	15.9	7.5	3.1	6.4
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°	837.3	837.3	837.3	837.3	837.3	837.3	837.3	837.3	837.3	837.3	837.3
2.5°	831.9	818.3	803.4	789.5	767.4	754.3	738.1	730.9	720.7	718.1	719.6
5°	815.0	791.6	755.9	723.5	681.6	648.0	614.0	599.7	581.2	568.8	563.7
7.5°	791.1	760.5	704.7	645.9	588.3	526.9	480.2	449.4	421.3	405.9	402.9
10°	766.9	727.1	647.2	562.9	473.8	400.3	337.1	290.3	252.3	235.1	221.7
12.5°	742.0	692.4	588.6	478.6	375.1	274.9	196.8	151.3	124.1	113.3	115.1
15°	719.1	659.0	530.5	394.4	264.1	166.0	108.7	91.7	85.3	83.2	83.0
17.5°	697.3	627.4	472.7	312.4	174.2	101.7	83.2	79.1	77.3	76.3	76.3
20°	677.5	597.1	416.2	235.3	112.5	80.7	75.3	73.2	71.7	70.9	70.9
22.5°	659.0	567.8	361.0	166.5	83.0	72.5	69.1	67.1	65.3	64.2	64.2
25°	642.3	541.3	308.3	114.6	71.4	66.3	62.7	60.4	57.3	55.5	55.5
27.5°	630.2	517.7	257.7	83.5	64.5	59.6	55.5	52.4	49.1	47.0	46.5
30°	623.0	497.7	206.6	68.6	58.1	53.2	48.6	44.7	40.9	38.8	38.5
32.5°	618.9	479.2	159.8	59.9	52.7	47.0	41.9	37.8	33.9	31.6	31.3
35°	620.5	464.8	119.7	54.0	47.5	41.6	36.0	31.9	28.5	26.5	25.9
37.5°	633.8	458.3	89.9	49.3	43.2	37.0	31.1	27.2	24.2	22.6	22.4
40°	659.8	459.6	70.7	45.7	39.6	32.4	26.7	23.1	20.8	19.5	19.3
42.5°	700.1	470.4	58.3	42.6	35.7	28.3	23.1	20.3	18.0	16.7	16.4
45°	760.2	492.8	50.9	39.1	31.6	24.4	20.0	17.5	15.4	13.9	13.6
47.5°	847.3	531.6	46.0	35.7	28.0	21.1	17.2	14.6	12.8	11.6	11.3
50°	940.1	578.1	41.9	32.4	24.9	18.2	14.6	12.1	10.5	9.2	9.0
52.5°	1039.0	628.2	38.8	29.3	22.1	15.7	12.3	10.0	8.5	7.2	6.9
55°	1134.0	678.5	35.2	27.2	18.8	13.4	10.3	8.2	6.7	5.7	5.7
57.5°	1226.5	724.8	31.3	23.9	15.4	11.3	8.5	6.7	5.4	4.6	4.4
60°	1337.0	788.7	27.0	20.3	12.8	9.5	6.9	5.4	4.4	3.6	3.6
62.5°	1501.2	855.3	23.1	17.0	10.8	8.0	5.7	4.4	3.6	3.1	2.8
65°	1554.9	819.3	19.5	13.9	8.7	6.4	4.6	3.9	3.1	2.8	2.6
67.5°	1411.5	671.6	16.2	11.3	7.2	5.4	4.1	3.3	2.8	2.6	2.3
70°	1101.4	476.6	12.6	8.5	5.9	4.4	3.6	3.1	2.6	2.3	2.3
72.5°	749.2	281.8	10.0	6.4	4.9	3.9	3.1	2.8	2.6	2.3	2.1
75°	368.9	100.2	7.7	4.9	3.9	3.3	2.8	2.6	2.3	2.1	2.1
77.5°	99.4	27.7	5.9	3.9	3.1	2.6	2.6	2.6	2.3	1.8	1.8
80°	33.7	11.6	4.4	2.8	2.6	2.1	1.8	2.3	2.1	1.8	1.5
82.5°	18.5	5.7	3.1	2.3	1.8	1.5	1.5	1.5	1.5	1.3	1.3
85°	11.8	3.1	2.1	1.8	1.8	1.3	1.0	1.0	0.8	0.8	0.8
87.5°	5.4	1.8	1.8	1.5	1.5	1.3	0.8	0.5	0.3	0.3	0.3
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)