

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: P629457

Luminaire Tested: GWS-SA1B-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629457
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2928.6 lumens
Efficiency: N/A
Efficacy: 117.1 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

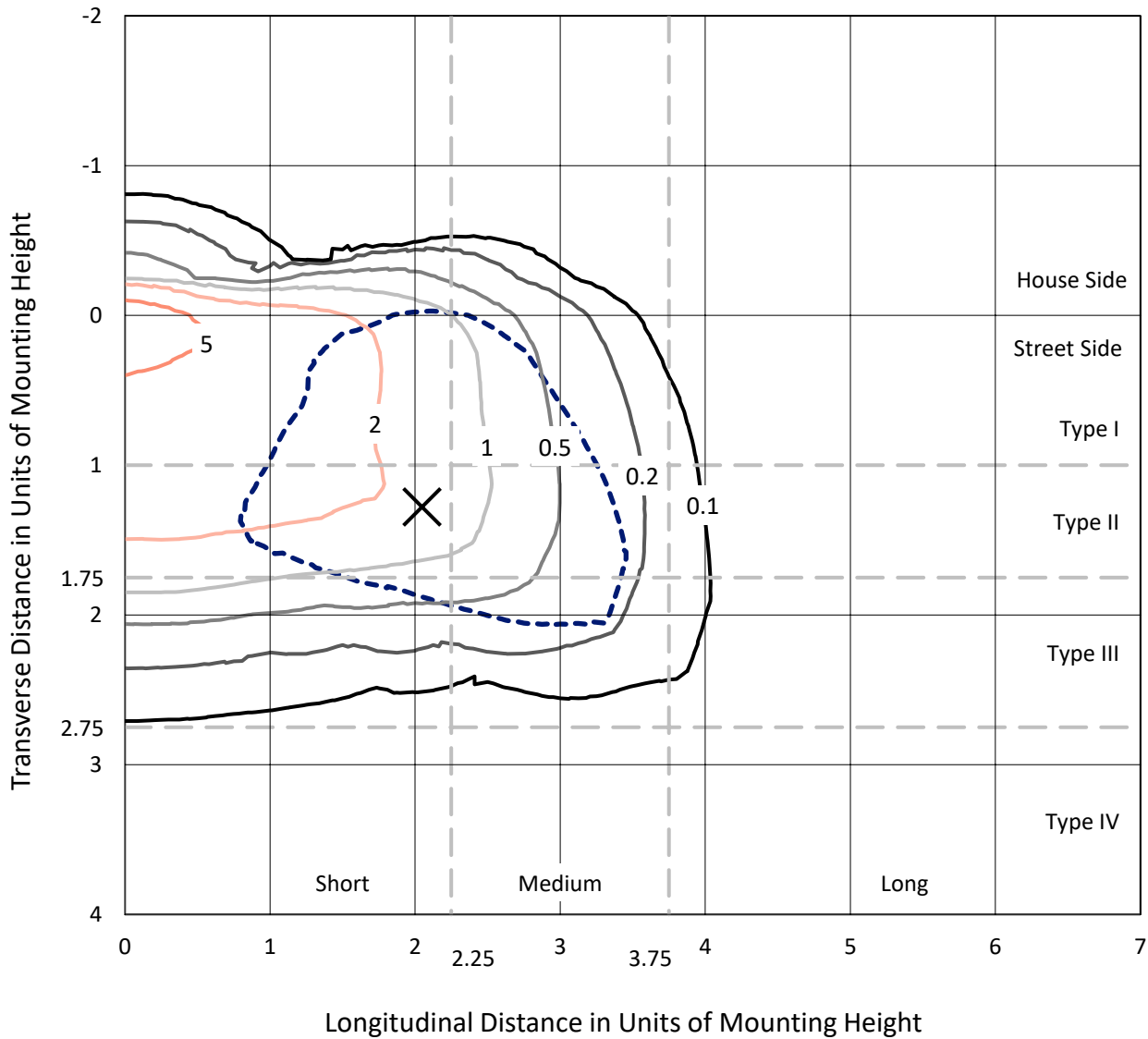
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

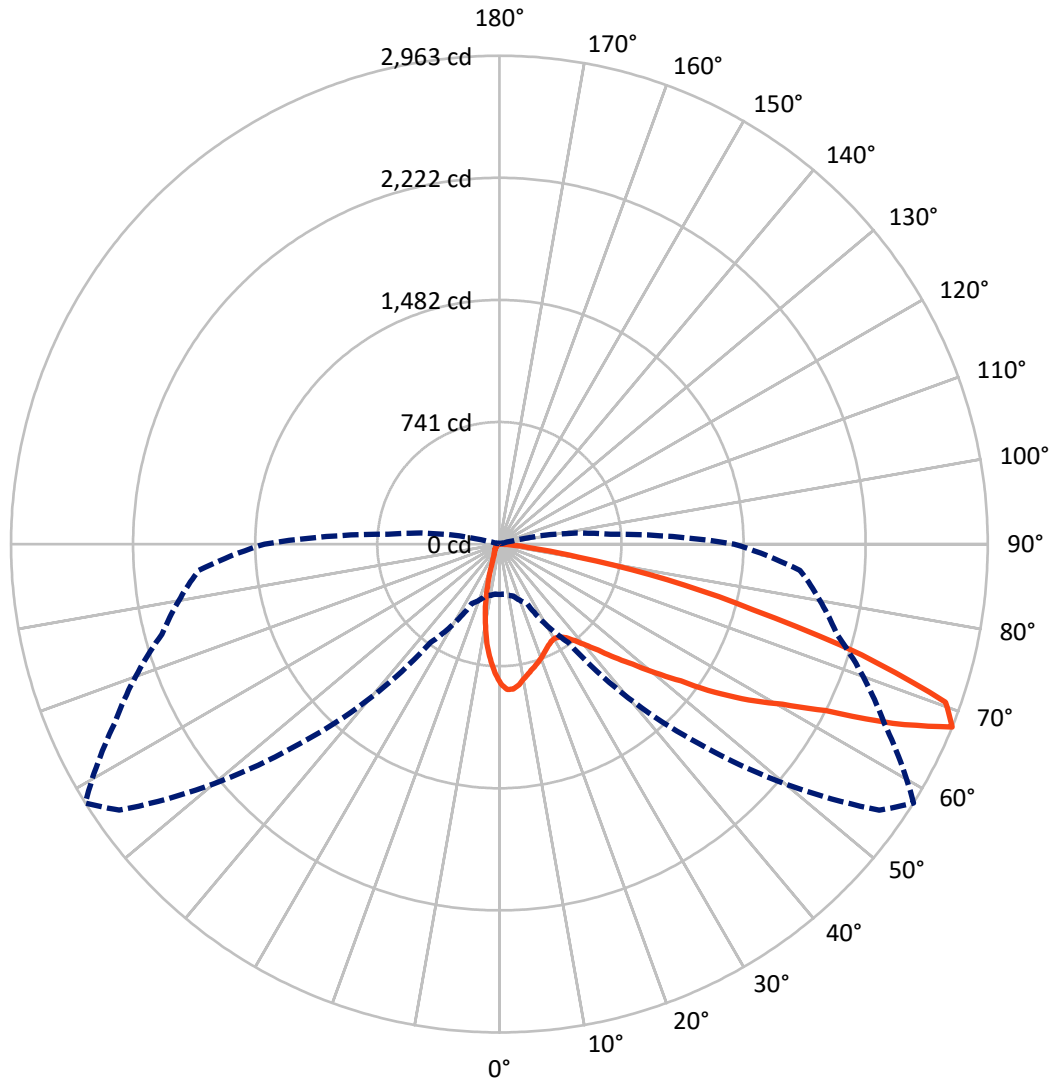
✕ Max cd
 - - - 1/2 Max cd



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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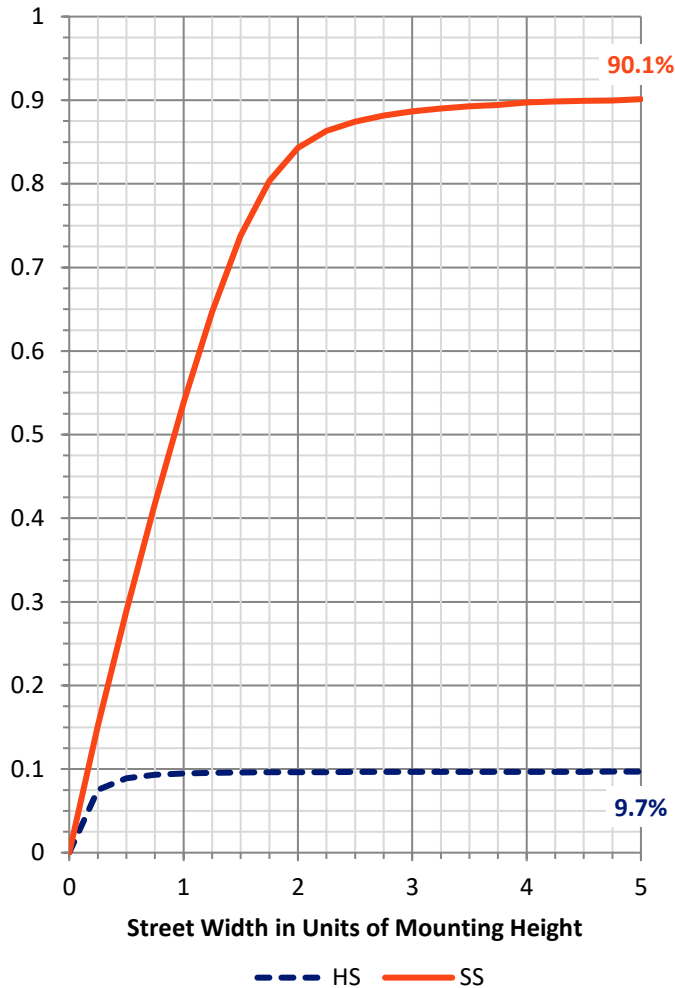
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	286.1	0.0	286.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2642.5	0.0	2642.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	2928.6	0.0	2928.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	2.3
10°-20°	142.9	4.9
20°-30°	192.7	6.6
30°-40°	270.8	9.2
40°-50°	418.2	14.3
50°-60°	668.8	22.8
60°-70°	791.8	27.0
70°-80°	350.3	12.0
80°-90°	24.5	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°	2928.6	100.0
0°-180°	2928.6	100.0

Coefficient of Utilization



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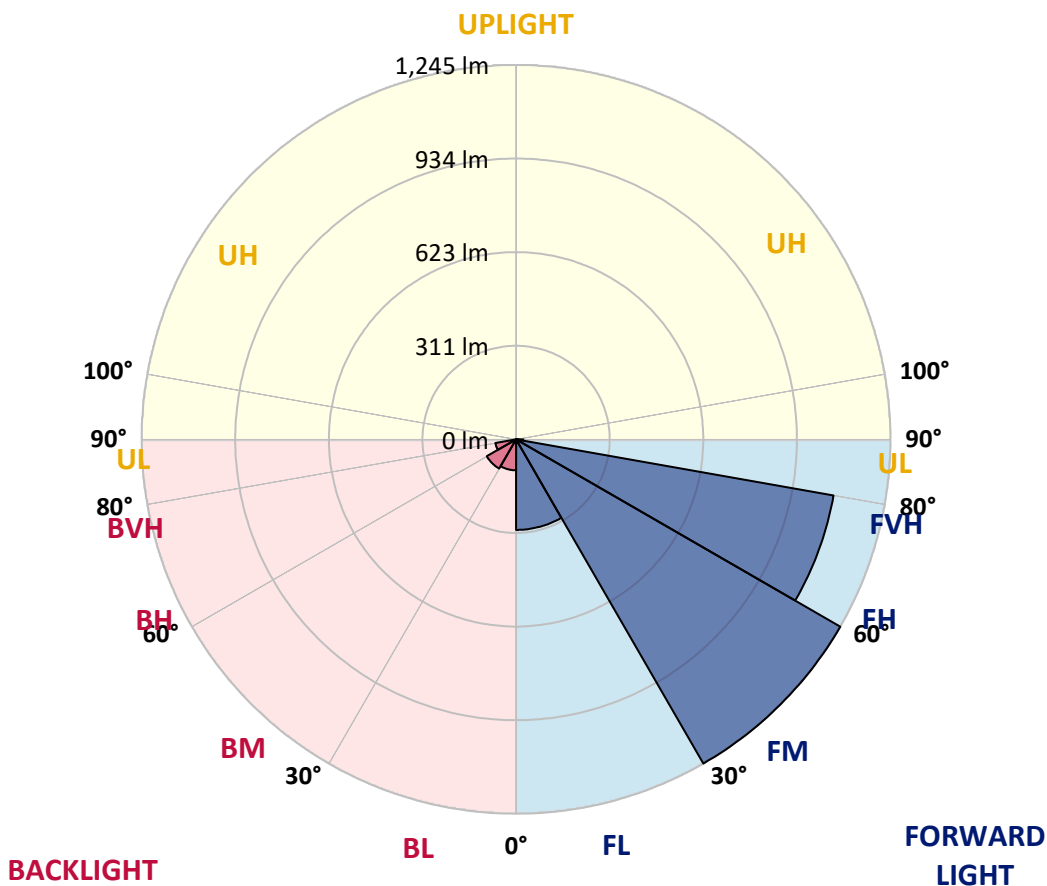
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.3	10.3			
FM (30°-60°)	1245.5	42.5			
FH (60°-80°)	1072.3	36.6			G1/1800
FVH (80°-90°)	23.4	0.8			G1/100
BL (0°-30°)	103.0	3.5	B0/110		
BM (30°-60°)	112.3	3.8	B0/220		
BH (60°-80°)	69.8	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°	844.7	844.7	844.7	844.7	844.7	844.7	844.7	844.7	844.7	844.7	844.7
2.5°	888.6	890.1	892.2	894.8	894.3	891.9	889.1	882.6	878.4	865.5	849.7
5°	860.0	859.8	865.0	869.9	878.7	883.4	889.8	883.9	881.8	866.3	840.6
7.5°	804.3	807.2	813.1	820.9	833.6	847.3	862.9	861.1	867.3	856.9	825.0
10°	749.6	748.1	757.4	769.1	788.5	806.1	828.7	828.4	844.7	843.7	807.4
12.5°	701.7	701.4	708.7	721.9	744.7	769.3	799.9	800.7	820.9	829.2	792.4
15°	661.2	661.7	668.7	682.5	706.1	736.1	771.7	778.1	800.9	817.8	777.6
17.5°	632.5	632.7	636.9	648.8	671.9	704.0	746.8	755.6	784.9	809.2	765.7
20°	619.2	618.2	619.0	624.9	642.8	672.1	721.4	732.8	770.1	803.3	754.8
22.5°	621.1	619.5	615.9	615.1	623.1	645.4	694.4	708.4	754.0	799.6	745.0
25°	637.1	633.8	628.6	620.8	617.7	628.8	670.8	685.3	739.0	799.9	737.4
27.5°	661.7	658.1	651.6	641.3	629.1	624.4	654.7	668.5	728.4	805.9	733.8
30°	693.1	690.3	684.0	671.6	655.3	636.1	651.4	662.8	723.2	818.0	735.4
32.5°	730.2	728.1	722.9	711.5	692.9	663.6	662.8	671.6	727.3	835.7	741.3
35°	765.9	766.7	767.0	760.8	740.8	705.3	694.1	697.3	744.4	862.1	754.8
37.5°	804.6	802.8	812.1	816.5	797.3	759.5	742.6	742.9	777.1	901.3	780.2
40°	833.9	834.4	854.6	872.7	864.7	828.2	804.1	803.8	827.4	954.9	821.2
42.5°	861.3	864.7	894.5	925.6	936.8	904.4	887.0	880.5	897.9	1027.5	882.6
45°	890.6	895.5	937.3	981.6	1010.9	991.7	978.0	980.6	982.6	1112.0	965.3
47.5°	924.8	928.0	979.5	1042.0	1096.7	1091.8	1092.5	1089.4	1088.4	1218.5	1074.7
50°	966.3	973.6	1032.9	1107.6	1182.2	1214.9	1225.8	1227.1	1210.2	1334.6	1187.9
52.5°	1054.4	1063.3	1114.1	1179.4	1275.5	1344.2	1388.6	1379.7	1353.8	1447.1	1312.1
55°	1158.4	1165.1	1214.1	1281.8	1389.6	1486.0	1591.3	1587.6	1524.1	1565.6	1414.2
57.5°	1168.2	1175.7	1251.7	1355.4	1536.0	1661.2	1771.9	1783.6	1690.5	1649.6	1505.5
60°	1057.6	1072.8	1176.5	1316.0	1592.0	1896.9	1970.0	1972.3	1812.6	1734.9	1616.9
62.5°	847.6	854.9	959.3	1141.3	1505.7	2034.2	2272.4	2223.2	1969.4	1866.8	1793.4
65°	444.3	473.8	564.8	766.2	1221.1	1986.3	2636.4	2622.9	2251.4	2055.7	1930.8
67.5°	304.8	304.6	326.1	399.4	728.1	1710.2	2815.0	2963.2	2577.5	2120.5	1831.3
70°	232.0	232.8	251.9	299.6	377.1	1138.4	2619.0	2872.5	2638.2	1925.4	1481.1
72.5°	154.0	155.5	187.4	242.1	301.2	558.1	2035.3	2298.4	2219.8	1546.4	1042.5
75°	92.0	93.3	116.1	176.0	267.8	312.3	1293.2	1588.9	1528.0	1065.8	558.8
77.5°	37.8	38.9	59.6	109.6	196.0	242.6	715.1	1039.7	915.2	423.8	152.7
80°	15.8	16.3	28.8	76.7	141.3	152.2	331.3	488.6	375.1	91.2	46.7
82.5°	5.7	6.0	10.6	42.3	87.9	114.6	167.2	193.1	105.8	29.8	25.1
85°	0.3	0.3	2.6	14.3	33.4	32.4	95.6	92.5	35.0	12.4	15.0
87.5°	0.0	0.0	0.3	0.3	0.5	1.3	9.1	16.1	7.5	3.1	6.5
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°	844.7	844.7	844.7	844.7	844.7	844.7	844.7	844.7	844.7	844.7	844.7
2.5°	839.3	825.6	810.5	796.5	774.2	761.0	744.7	737.4	727.1	724.5	726.0
5°	822.2	798.6	762.6	729.9	687.7	653.7	619.5	605.0	586.3	573.9	568.7
7.5°	798.1	767.2	711.0	651.6	593.6	531.6	484.5	453.3	425.1	409.5	406.4
10°	773.7	733.5	652.9	567.9	478.0	403.8	340.1	292.9	254.5	237.2	223.7
12.5°	748.6	698.6	593.8	482.9	378.4	277.3	198.6	152.7	125.2	114.3	116.1
15°	725.5	664.9	535.3	397.9	266.5	167.4	109.6	92.5	86.1	84.0	83.7
17.5°	703.5	633.0	476.9	315.2	175.7	102.6	84.0	79.8	78.0	77.0	77.0
20°	683.5	602.4	419.9	237.4	113.5	81.4	75.9	73.9	72.3	71.5	71.5
22.5°	664.9	572.8	364.2	168.0	83.7	73.1	69.7	67.7	65.8	64.8	64.8
25°	648.0	546.1	311.0	115.6	72.1	66.9	63.2	60.9	57.8	56.0	56.0
27.5°	635.8	522.3	260.0	84.2	65.1	60.1	56.0	52.9	49.5	47.4	46.9
30°	628.6	502.1	208.4	69.2	58.6	53.7	49.0	45.1	41.2	39.1	38.9
32.5°	624.4	483.4	161.2	60.4	53.1	47.4	42.3	38.1	34.2	31.9	31.6
35°	626.0	468.9	120.8	54.4	48.0	42.0	36.3	32.1	28.8	26.7	26.2
37.5°	639.5	462.4	90.7	49.8	43.5	37.3	31.4	27.5	24.4	22.8	22.6
40°	665.6	463.7	71.3	46.1	39.9	32.7	27.0	23.3	21.0	19.7	19.4
42.5°	706.3	474.6	58.8	43.0	36.0	28.5	23.3	20.5	18.1	16.8	16.6
45°	767.0	497.2	51.3	39.4	31.9	24.6	20.2	17.6	15.6	14.0	13.7
47.5°	854.9	536.3	46.4	36.0	28.3	21.3	17.4	14.8	13.0	11.7	11.4
50°	948.4	583.2	42.3	32.7	25.1	18.4	14.8	12.2	10.6	9.3	9.1
52.5°	1048.2	633.8	39.1	29.5	22.3	15.8	12.4	10.1	8.6	7.3	7.0
55°	1144.1	684.6	35.5	27.5	18.9	13.5	10.4	8.3	6.7	5.7	5.7
57.5°	1237.4	731.2	31.6	24.1	15.6	11.4	8.6	6.7	5.4	4.7	4.4
60°	1348.9	795.8	27.2	20.5	13.0	9.6	7.0	5.4	4.4	3.6	3.6
62.5°	1514.5	862.9	23.3	17.1	10.9	8.0	5.7	4.4	3.6	3.1	2.9
65°	1568.7	826.6	19.7	14.0	8.8	6.5	4.7	3.9	3.1	2.9	2.6
67.5°	1424.1	677.6	16.3	11.4	7.3	5.4	4.1	3.4	2.9	2.6	2.3
70°	1111.2	480.8	12.7	8.6	6.0	4.4	3.6	3.1	2.6	2.3	2.3
72.5°	755.8	284.3	10.1	6.5	4.9	3.9	3.1	2.9	2.6	2.3	2.1
75°	372.2	101.1	7.8	4.9	3.9	3.4	2.9	2.6	2.3	2.1	2.1
77.5°	100.3	28.0	6.0	3.9	3.1	2.6	2.6	2.6	2.3	1.8	1.8
80°	34.0	11.7	4.4	2.9	2.6	2.1	1.8	2.3	2.1	1.8	1.6
82.5°	18.7	5.7	3.1	2.3	1.8	1.6	1.6	1.6	1.6	1.3	1.3
85°	11.9	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	1.6	1.6	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)