

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: P629965

Luminaire Tested: GWS-SA1C-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3632.4 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

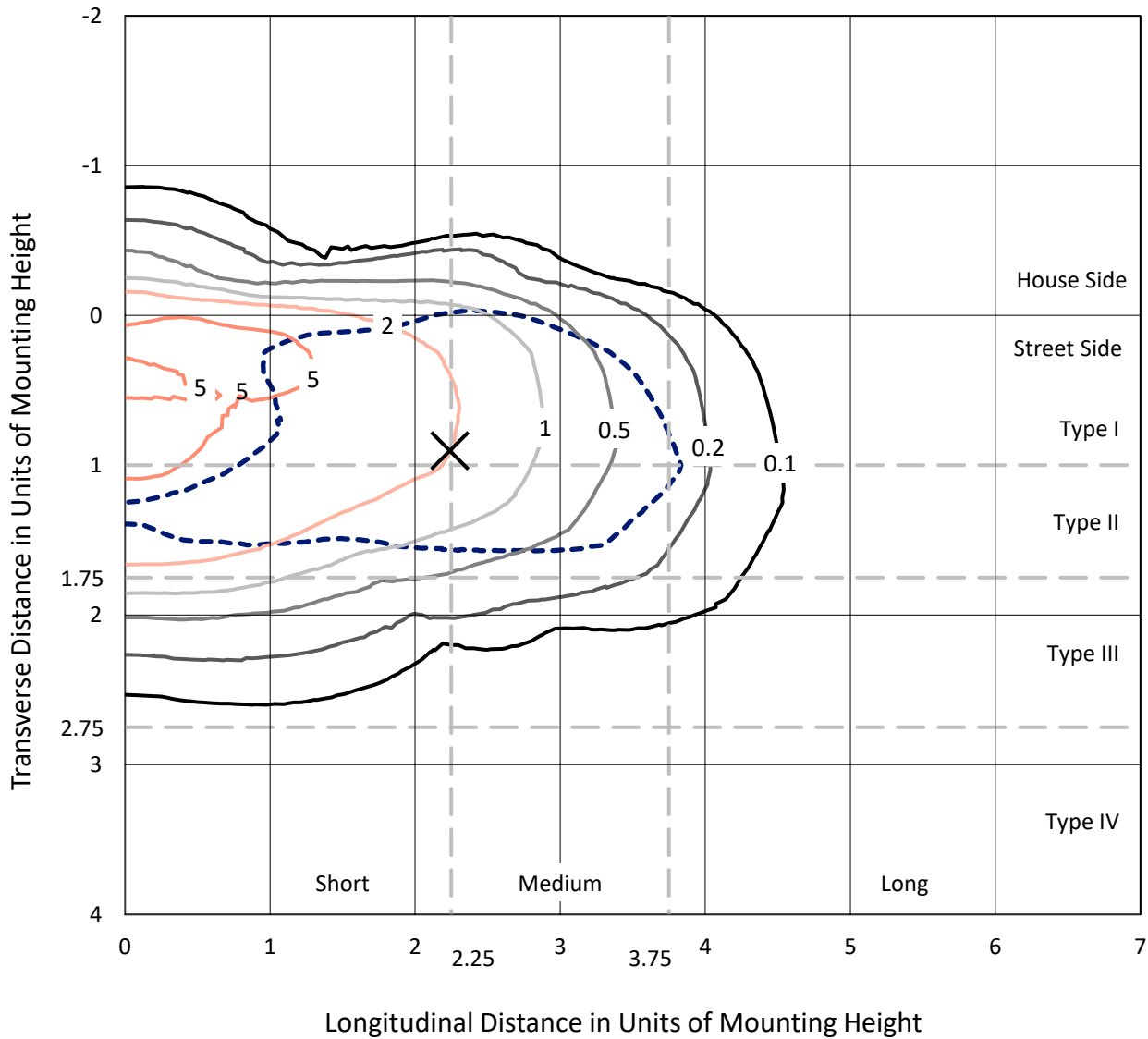
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

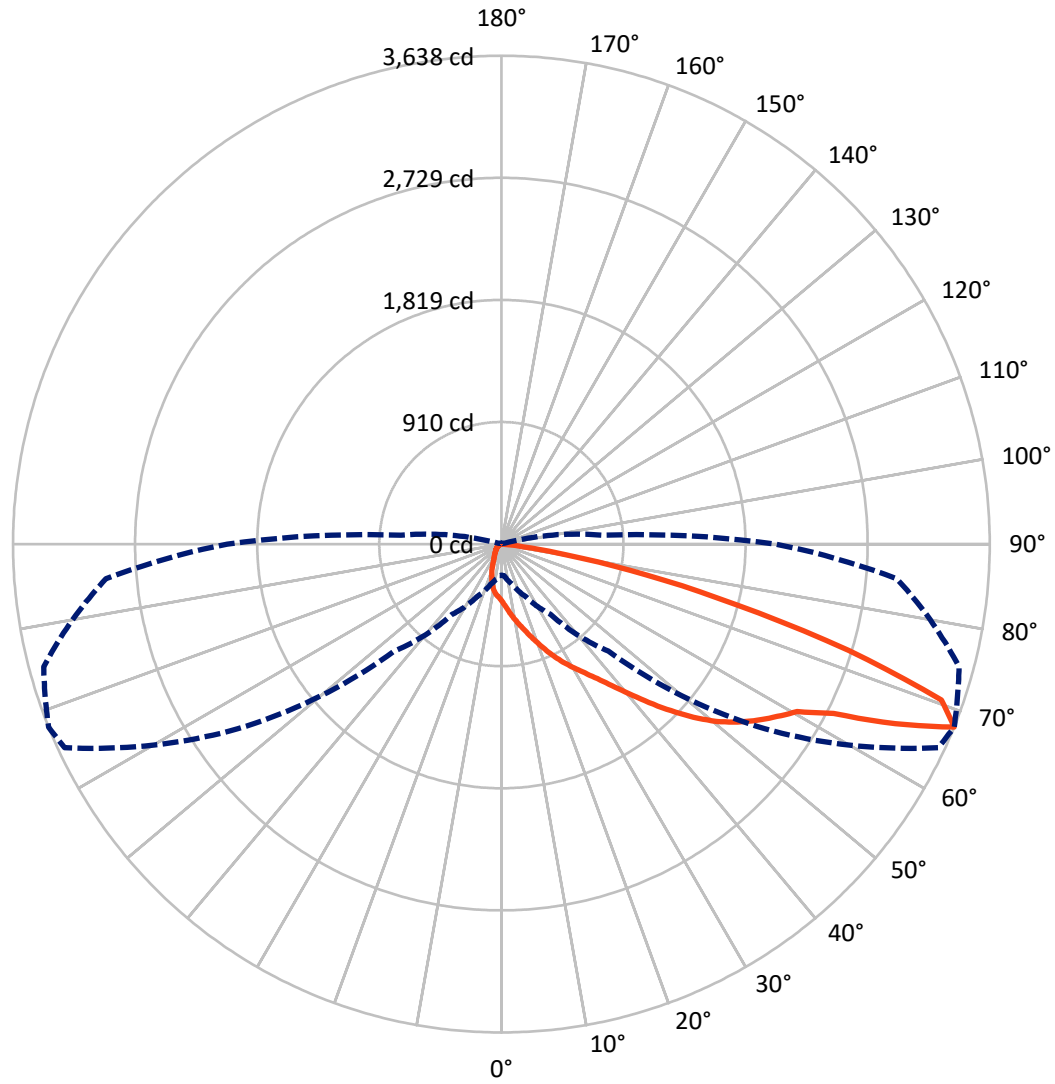
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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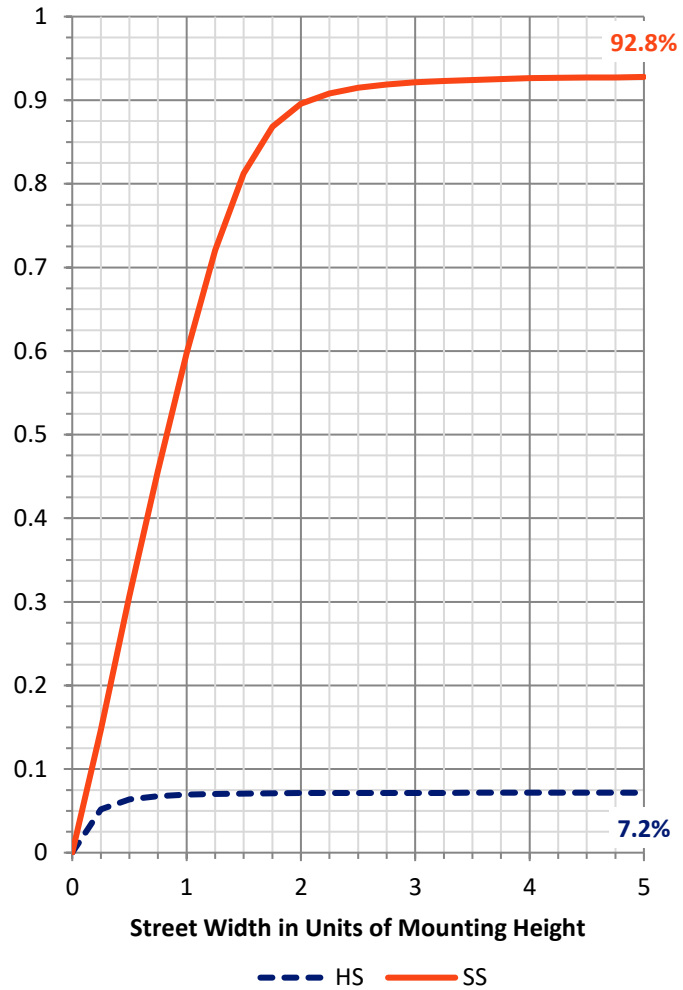
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	262.3	0.0	262.3
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	3370.1	0.0	3370.1
	% Fixture	92.8	0.0	92.8
Total	Lumens	3632.4	0.0	3632.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.1
10°-20°	118.4	3.3
20°-30°	203.5	5.6
30°-40°	353.7	9.7
40°-50°	617.2	17.0
50°-60°	931.0	25.6
60°-70°	933.5	25.7
70°-80°	411.9	11.3
80°-90°	22.0	0.6
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°	3632.4	100.0
0°-180°	3632.4	100.0

Coefficient of Utilization

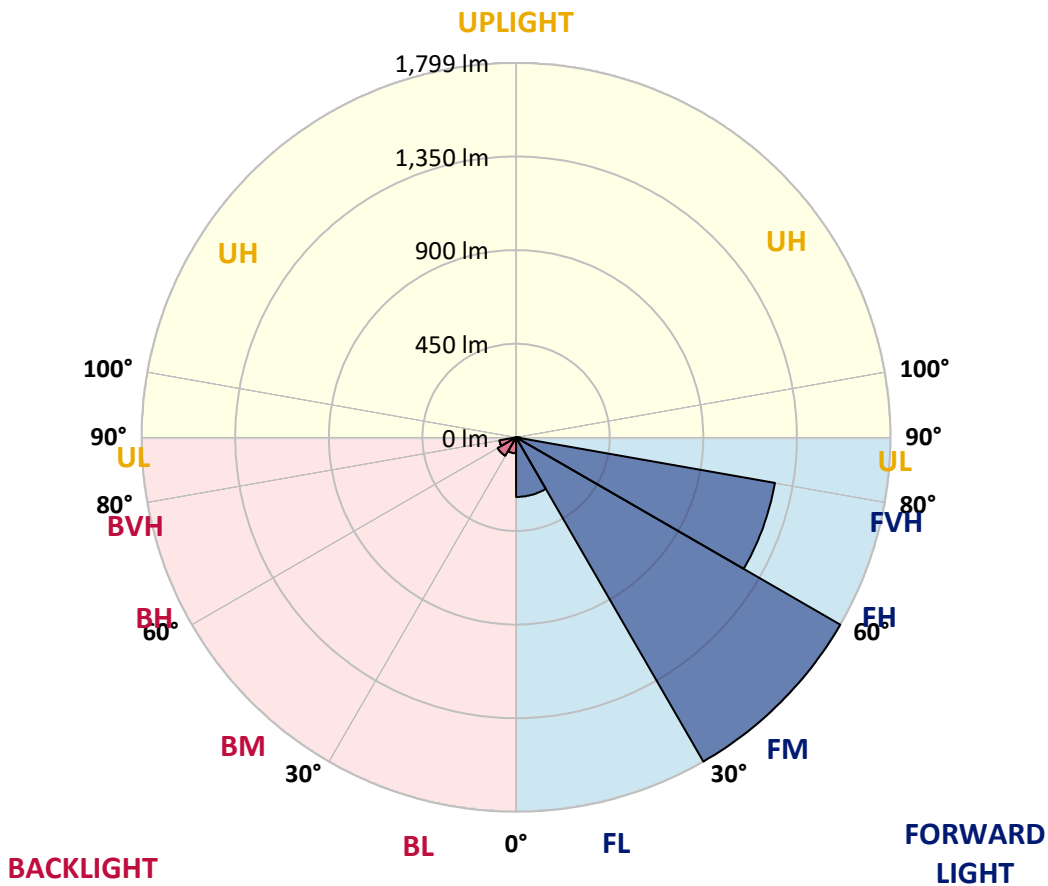


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.3	7.9			
FM (30°-60°)	1799.5	49.5			
FH (60°-80°)	1263.5	34.8			G1/1800
FVH (80°-90°)	20.8	0.6			G1/100
BL (0°-30°)	76.7	2.1	B0/110		
BM (30°-60°)	102.5	2.8	B0/220		
BH (60°-80°)	81.9	2.3	B0/110		G0/110
BVH (80°-90°)	1.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	422.7	422.7	422.7	422.7	422.7	422.7	422.7	422.7	422.7	422.7	422.7
2.5°	492.2	495.4	492.2	492.9	483.9	479.7	470.7	458.2	455.0	447.1	434.9
5°	552.4	555.2	552.0	551.3	540.9	533.3	518.3	496.8	490.5	474.9	450.9
7.5°	585.1	586.8	587.8	589.6	585.8	579.5	565.9	539.2	532.6	507.2	473.5
10°	588.5	589.9	595.1	605.6	613.2	617.0	609.4	584.7	574.3	549.6	501.3
12.5°	578.8	580.9	589.2	606.6	627.8	647.3	652.2	630.6	621.2	589.6	534.0
15°	565.9	567.7	579.2	602.8	634.8	670.6	690.7	681.4	670.9	637.9	570.1
17.5°	546.1	548.6	564.6	596.5	637.9	689.0	732.5	735.6	728.3	692.5	610.1
20°	535.0	536.7	551.0	584.0	635.8	702.6	771.4	800.9	792.9	755.4	656.0
22.5°	544.4	545.8	555.2	580.9	628.9	710.2	807.5	866.3	861.8	822.8	704.3
25°	593.8	598.3	592.7	597.2	632.0	714.4	836.7	931.7	932.7	893.4	754.4
27.5°	693.9	688.0	674.8	652.2	656.3	725.5	861.8	993.2	1002.2	962.2	798.9
30°	795.7	792.3	784.3	749.1	719.9	750.2	883.0	1056.1	1070.4	1030.0	838.5
32.5°	910.1	913.6	899.3	857.3	807.5	800.2	904.9	1115.9	1142.7	1106.9	885.1
35°	1046.7	1047.8	1019.6	973.0	916.7	883.0	944.2	1181.9	1231.3	1204.9	947.3
37.5°	1179.9	1186.1	1170.8	1097.5	1047.4	985.9	1009.2	1266.8	1336.3	1325.9	1025.5
40°	1297.7	1307.4	1302.6	1231.7	1166.0	1114.2	1110.0	1366.2	1463.2	1475.0	1128.8
42.5°	1391.6	1397.8	1401.6	1351.2	1293.2	1264.0	1234.4	1481.6	1613.0	1661.3	1255.3
45°	1490.6	1492.7	1500.7	1466.7	1415.9	1418.3	1381.5	1621.7	1770.8	1867.8	1400.6
47.5°	1616.8	1623.8	1620.0	1584.2	1538.3	1565.7	1533.4	1766.0	1926.6	2088.2	1549.4
50°	1770.5	1777.8	1774.3	1732.6	1681.5	1693.0	1672.8	1906.1	2076.7	2296.1	1673.1
52.5°	1849.7	1855.7	1898.8	1917.5	1890.8	1817.8	1791.7	2060.1	2203.6	2467.1	1786.8
55°	1811.5	1815.7	1909.5	1988.8	2086.8	2013.8	1911.3	2178.9	2315.6	2600.6	1871.3
57.5°	1653.0	1675.6	1803.2	1937.3	2143.5	2207.5	2105.3	2308.3	2423.3	2693.4	1954.4
60°	1327.9	1326.9	1509.8	1750.7	2032.9	2260.6	2379.2	2483.1	2531.4	2764.7	2065.6
62.5°	733.8	740.5	983.8	1301.2	1725.6	2123.0	2584.6	2785.2	2777.9	2889.2	2239.8
65°	365.4	378.6	510.7	745.3	1148.2	1754.5	2620.1	3246.2	3225.3	3182.2	2599.6
67.5°	231.9	237.1	310.1	433.1	638.3	1127.7	2399.3	3590.0	3638.3	3529.8	2956.6
70°	150.2	158.9	215.5	296.2	385.2	581.2	1757.6	3367.2	3478.0	3491.6	2734.1
72.5°	81.7	88.0	137.7	211.4	278.1	290.6	987.3	2526.9	2705.3	2961.8	2139.0
75°	46.6	51.1	75.4	143.6	204.1	176.9	437.7	1691.6	1805.2	2116.7	1532.7
77.5°	28.2	32.0	42.4	69.9	127.9	118.2	165.5	1029.7	1102.0	1262.9	804.4
80°	12.9	15.3	26.8	38.6	69.9	56.0	63.3	480.1	495.7	518.3	266.3
82.5°	5.9	7.0	12.2	22.9	39.6	32.3	24.3	110.9	156.1	147.7	67.8
85°	0.7	0.7	4.5	9.4	11.1	8.3	10.1	25.0	31.6	44.5	19.5
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	2.1	3.1	4.5	7.3	4.9
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°	422.7	422.7	422.7	422.7	422.7	422.7	422.7	422.7	422.7	422.7	422.7
2.5°	429.3	419.6	410.9	398.0	389.3	379.6	373.0	365.0	361.9	359.5	356.0
5°	439.1	423.4	402.2	378.6	359.1	340.7	323.6	312.5	302.8	301.4	296.5
7.5°	455.0	431.8	396.0	357.4	324.3	293.7	269.8	250.3	240.6	237.4	231.9
10°	476.3	444.3	386.6	327.5	279.8	243.3	216.2	194.3	179.0	173.5	169.3
12.5°	499.9	455.7	371.6	290.6	236.4	194.7	160.3	137.0	127.2	123.8	120.6
15°	527.0	466.5	348.0	253.8	194.0	143.2	118.9	108.8	104.6	103.6	102.6
17.5°	553.1	473.5	319.8	215.5	149.1	111.2	99.8	95.9	94.9	93.9	93.2
20°	582.6	478.3	286.8	179.4	115.8	94.2	88.6	85.9	83.8	81.7	81.3
22.5°	612.9	478.3	251.0	143.9	97.0	84.5	78.2	73.0	69.2	67.1	66.4
25°	641.7	471.7	215.5	115.1	85.5	75.1	67.1	61.2	56.0	53.5	52.8
27.5°	662.2	454.7	184.6	97.3	77.5	66.7	57.0	50.4	46.2	43.8	43.5
30°	675.1	429.3	156.1	86.9	70.6	58.1	48.3	42.8	39.6	37.9	37.2
32.5°	684.8	398.0	130.7	79.6	64.0	50.4	42.1	37.5	34.8	33.4	33.0
35°	704.3	368.5	111.9	73.0	57.0	44.1	36.8	33.4	31.3	29.5	29.2
37.5°	731.4	343.8	97.0	67.1	50.4	39.3	33.4	30.2	28.5	26.8	26.4
40°	771.4	328.2	85.9	61.2	44.5	35.5	30.6	27.8	25.4	23.6	23.3
42.5°	832.9	320.9	78.6	55.3	39.3	32.0	28.2	24.7	22.2	20.5	20.2
45°	906.3	324.7	72.3	49.4	35.8	29.5	25.0	21.6	19.1	17.4	17.0
47.5°	984.8	338.2	67.1	43.8	32.3	27.1	22.2	18.4	16.3	14.6	14.3
50°	1066.9	360.5	62.6	38.6	29.5	24.3	19.1	16.0	13.9	12.5	12.2
52.5°	1138.1	390.7	58.1	34.8	27.1	21.6	16.7	13.9	11.8	10.4	10.1
55°	1206.3	419.2	54.6	31.3	24.3	18.8	14.6	11.8	10.1	8.7	8.3
57.5°	1280.3	449.5	50.4	28.2	21.9	16.7	12.9	10.1	8.7	7.3	7.0
60°	1388.1	494.3	44.1	25.7	19.1	14.6	11.1	9.0	7.6	5.9	5.6
62.5°	1543.5	576.0	37.2	22.2	16.3	12.5	9.4	7.6	6.3	4.9	4.2
65°	1834.1	715.1	30.6	18.4	13.2	10.4	8.0	6.3	4.9	3.5	3.1
67.5°	2043.4	751.2	24.7	14.9	10.8	8.0	6.6	4.9	3.5	2.4	2.1
70°	1786.5	539.5	19.1	12.2	9.0	6.3	5.2	3.8	2.4	1.7	1.4
72.5°	1346.0	352.5	14.3	9.4	7.0	5.2	3.8	3.1	2.1	1.4	1.0
75°	948.7	203.7	10.4	7.0	4.9	3.8	3.1	2.4	1.7	1.0	1.0
77.5°	486.3	84.1	7.3	4.9	3.5	2.4	2.1	1.4	1.4	1.0	0.7
80°	147.7	27.8	4.2	3.1	2.4	1.7	1.0	1.0	1.0	0.7	0.3
82.5°	33.7	9.0	2.4	2.4	1.7	1.4	1.0	0.3	0.3	0.0	0.0
85°	8.7	2.8	2.1	1.7	1.7	1.4	0.7	0.3	0.0	0.0	0.0
87.5°	3.1	1.7	1.7	1.7	1.4	1.0	0.7	0.0	0.0	0.0	0.0
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)