

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: P631621

Luminaire Tested: GWS-SA2B-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3139.1 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

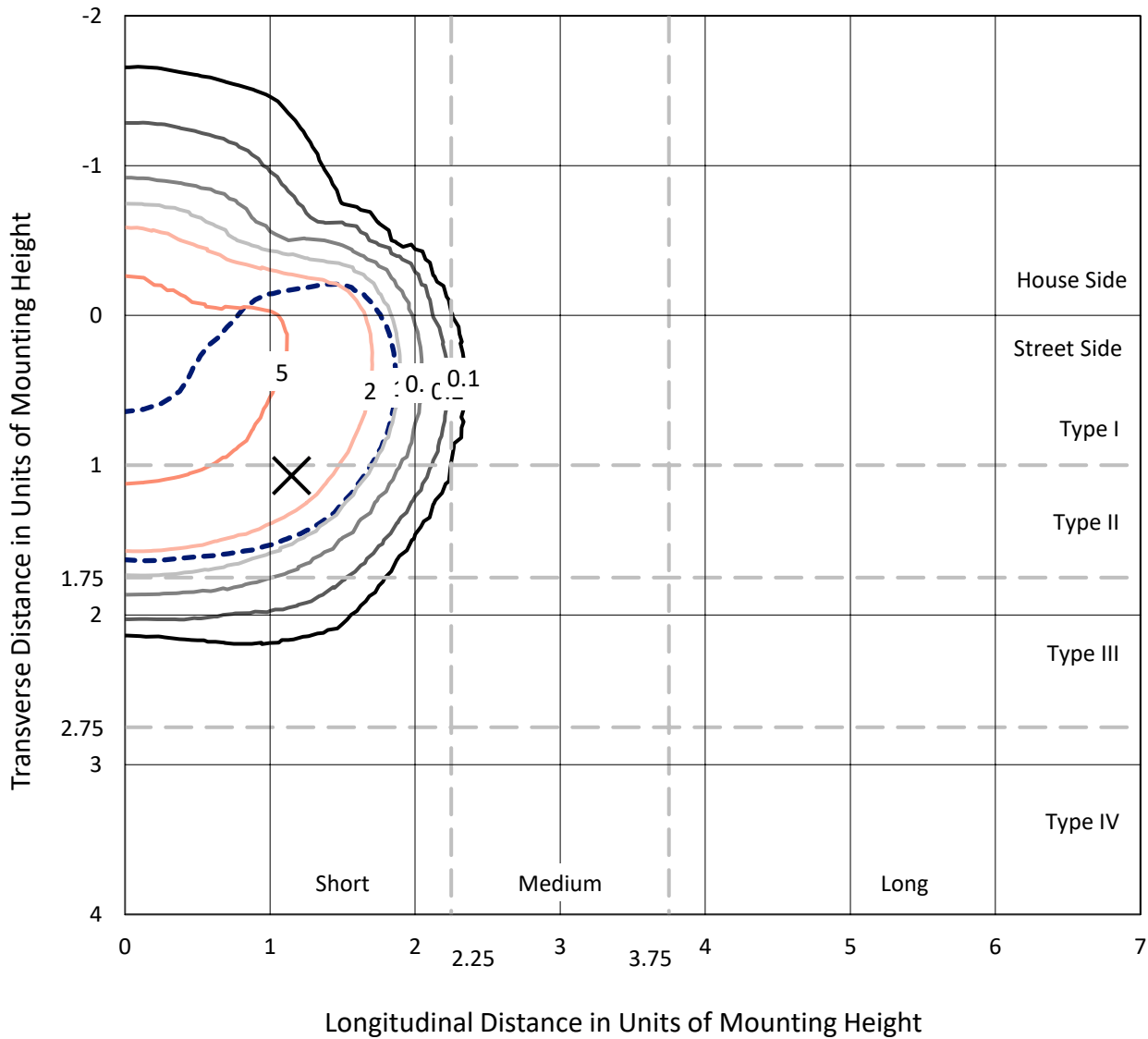
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

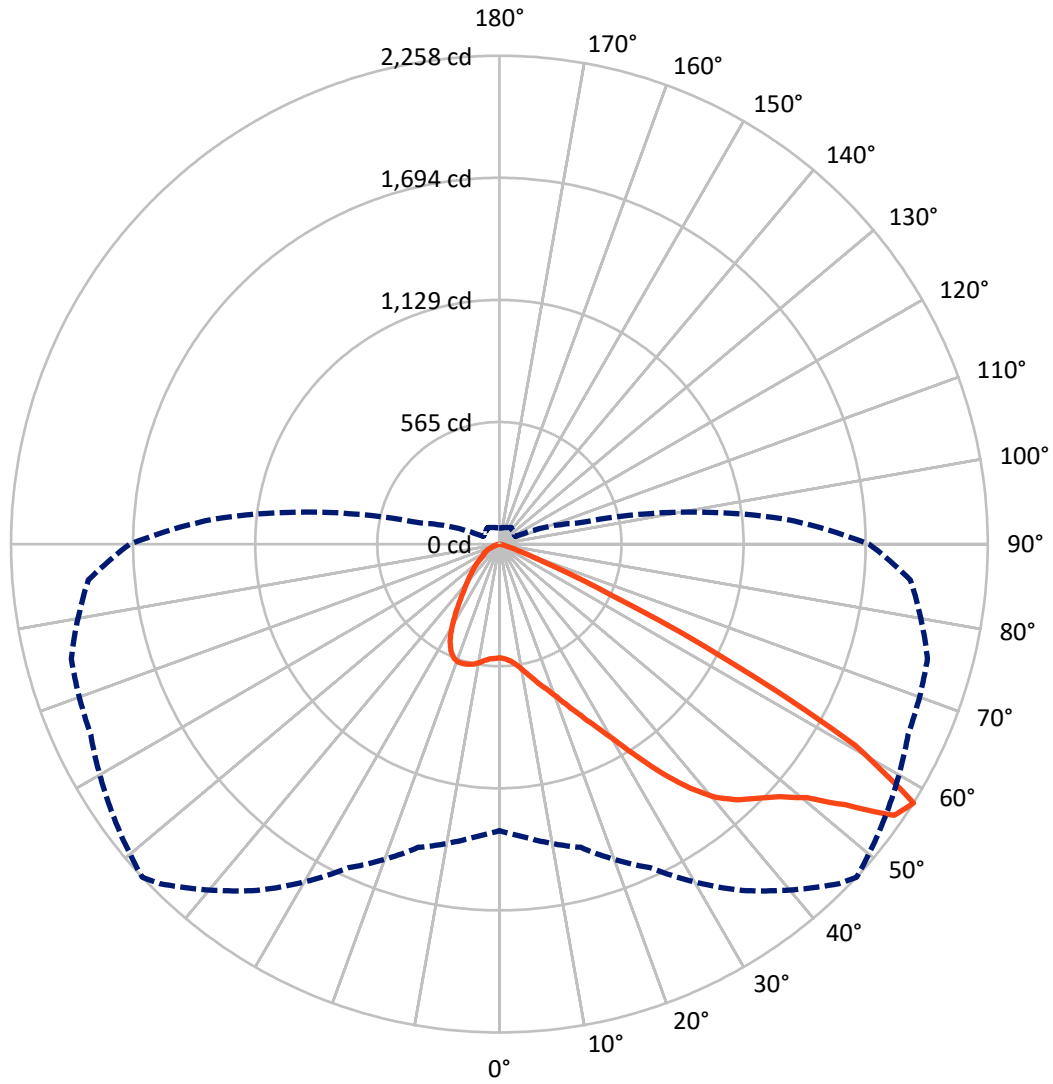
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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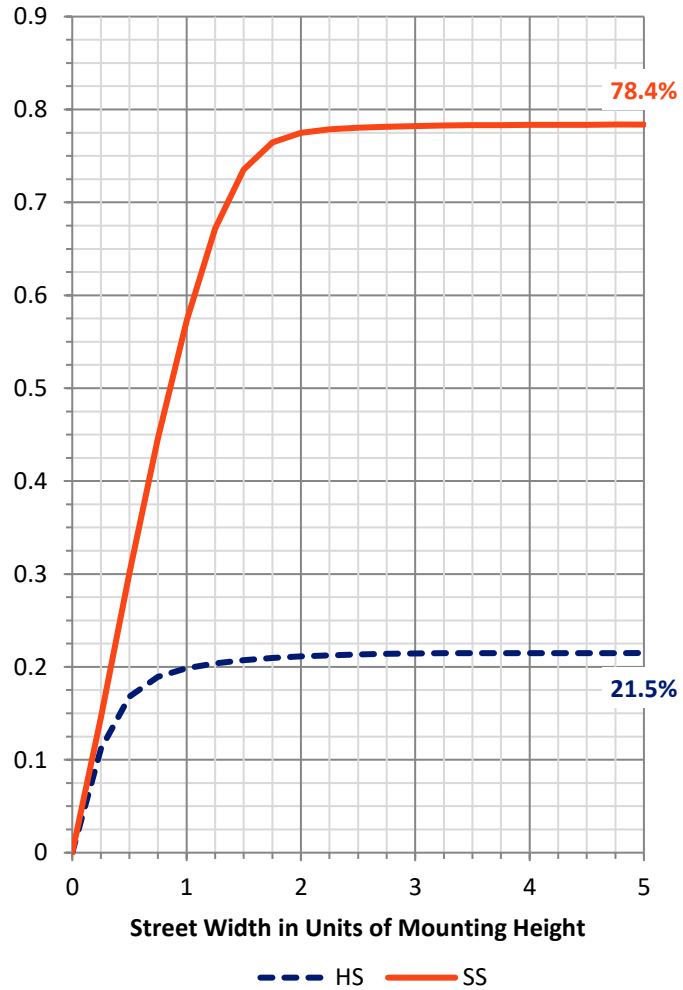
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	681.0	0.0	681.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2458.1	0.0	2458.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	3139.1	0.0	3139.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	1.7
10°-20°	176.4	5.6
20°-30°	327.5	10.4
30°-40°	524.3	16.7
40°-50°	766.5	24.4
50°-60°	945.9	30.1
60°-70°	316.1	10.1
70°-80°	29.4	0.9
80°-90°	0.6	0.0
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°	3139.1	100.0
0°-180°	3139.1	100.0

Coefficient of Utilization



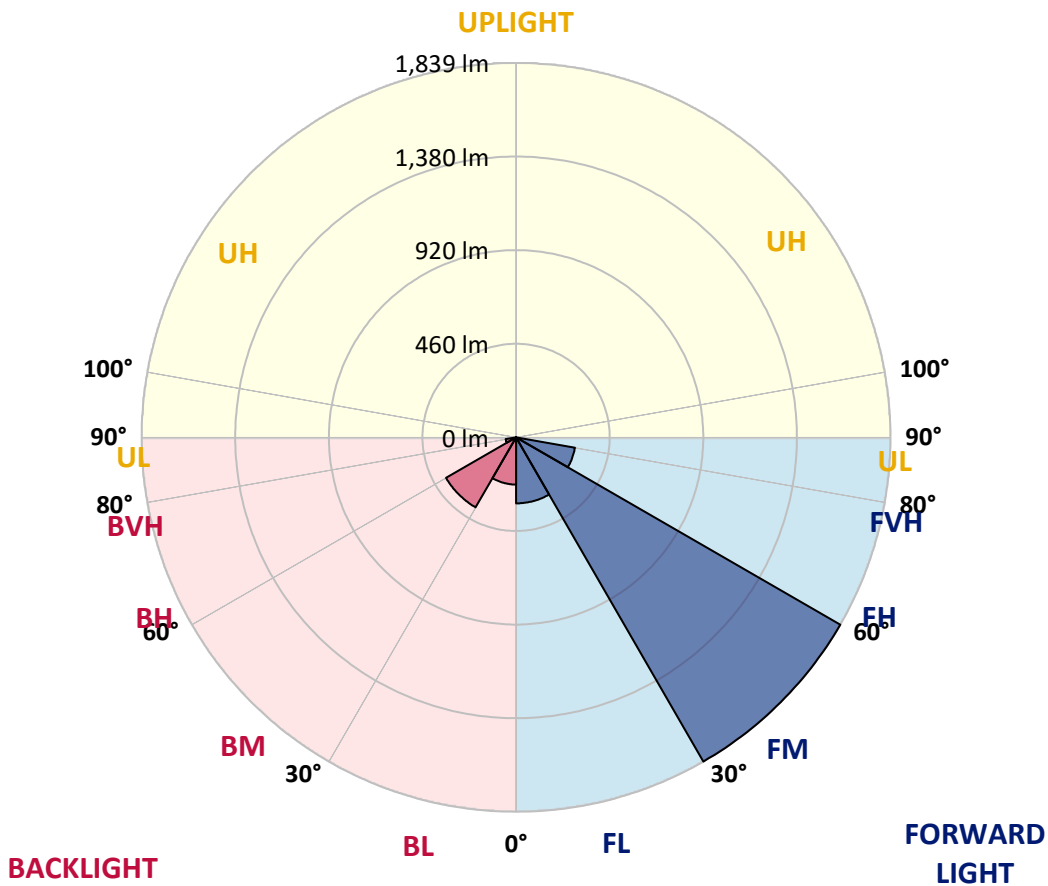
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.4	10.3			
FM (30°-60°)	1839.5	58.6			
FH (60°-80°)	293.8	9.4			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	231.8	7.4	B1/500		
BM (30°-60°)	397.2	12.7	B1/1000		
BH (60°-80°)	51.8	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	531.0	530.6	530.2	532.4	531.7	531.3	532.0	532.0	532.0	529.9	525.5
5°	543.7	543.7	543.3	545.5	543.7	542.6	543.0	543.0	541.5	537.5	532.0
7.5°	563.8	563.0	562.3	564.5	562.7	562.3	563.0	560.8	558.3	551.7	544.1
10°	592.5	592.5	591.4	593.6	592.2	591.4	591.4	590.0	585.3	575.0	563.8
12.5°	632.3	630.4	627.9	626.1	625.3	625.0	625.3	623.2	618.1	604.9	589.3
15°	675.6	674.2	670.2	667.2	663.2	662.5	664.7	662.9	657.8	639.9	617.7
17.5°	730.3	732.1	721.9	715.7	704.1	703.3	704.1	707.0	703.3	680.4	647.9
20°	776.9	778.4	770.7	766.4	755.8	751.1	752.5	757.3	753.2	726.3	681.1
22.5°	826.9	828.7	820.7	811.6	806.8	806.8	812.3	818.8	813.4	778.0	719.0
25°	886.6	888.1	881.5	869.5	861.1	871.7	879.7	897.2	888.1	840.0	763.8
27.5°	955.1	955.5	946.0	933.6	929.3	948.9	957.0	983.9	980.3	909.6	811.2
30°	1028.4	1028.7	1026.6	1018.2	1014.2	1040.0	1051.0	1090.0	1087.4	996.0	875.7
32.5°	1104.5	1104.5	1108.6	1107.8	1112.6	1154.8	1172.3	1216.8	1214.2	1101.6	955.9
35°	1181.1	1181.4	1188.4	1205.9	1225.5	1281.7	1304.6	1358.5	1352.7	1228.1	1058.3
37.5°	1268.2	1264.5	1274.0	1300.2	1344.0	1408.8	1430.7	1482.1	1475.5	1357.5	1192.0
40°	1373.1	1366.6	1366.6	1397.2	1446.7	1521.4	1540.0	1565.5	1543.3	1462.0	1323.2
42.5°	1489.0	1482.8	1474.8	1501.8	1543.3	1601.6	1616.9	1610.0	1591.8	1560.8	1472.6
45°	1606.3	1596.9	1602.3	1618.7	1642.8	1670.5	1676.3	1644.2	1635.9	1644.6	1596.1
47.5°	1695.6	1689.1	1702.6	1725.5	1745.2	1749.2	1745.2	1700.7	1700.0	1731.0	1681.8
50°	1725.5	1726.2	1763.4	1813.7	1845.4	1848.7	1843.2	1792.2	1785.3	1794.4	1728.1
52.5°	1728.4	1731.3	1785.6	1881.5	1967.8	2007.2	2002.8	1947.8	1880.0	1870.2	1798.0
55°	1658.1	1675.2	1751.0	1891.0	2074.6	2200.3	2214.9	2109.6	2009.0	2000.6	1948.5
57.5°	1325.4	1360.4	1451.8	1651.2	1955.5	2220.4	2258.3	2182.5	2085.2	2049.5	1908.1
60°	792.2	835.6	923.4	1168.0	1488.3	1825.0	1890.2	1900.8	1856.0	1752.8	1463.9
62.5°	340.0	336.4	444.6	631.9	885.2	1159.9	1189.5	1235.4	1274.4	1166.5	888.4
65°	116.6	126.8	176.4	285.0	443.1	538.6	564.8	606.0	661.4	545.9	325.4
67.5°	72.2	76.5	101.7	168.4	239.1	235.4	223.8	217.2	211.4	144.7	89.3
70°	52.5	56.1	71.4	115.9	160.7	113.0	98.0	79.4	88.2	81.3	63.4
72.5°	35.3	38.3	49.2	70.3	82.4	55.0	51.0	57.9	70.0	66.7	51.7
75°	21.1	23.0	28.1	34.3	33.5	28.4	28.8	40.8	53.6	49.9	36.8
77.5°	14.6	15.3	18.6	22.2	16.4	8.7	8.0	11.3	18.2	18.2	12.4
80°	3.6	4.7	4.7	2.9	2.6	2.2	2.2	3.3	5.1	3.6	1.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
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°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
2.5°	528.0	523.7	526.6	525.9	528.0	528.8	525.5	524.8	525.1	520.8	519.3
5°	533.1	528.0	529.5	528.0	530.6	532.8	531.7	533.1	535.0	531.7	530.2
7.5°	544.1	539.0	538.6	536.4	540.1	541.5	541.2	545.2	548.8	546.6	544.4
10°	563.0	556.1	555.4	553.5	554.6	555.7	551.7	552.5	555.7	553.2	552.1
12.5°	586.3	578.0	576.1	571.8	571.8	566.3	557.6	555.7	558.3	556.5	554.6
15°	611.5	600.2	597.3	589.6	582.3	572.1	563.0	560.8	562.7	560.5	559.0
17.5°	639.6	626.8	617.3	603.8	587.8	575.8	565.6	560.8	557.9	553.5	553.2
20°	667.2	650.5	634.4	612.9	591.8	573.6	556.8	544.4	533.9	527.3	524.8
22.5°	699.3	674.5	648.7	618.4	588.2	560.5	531.0	509.8	491.6	485.4	482.5
25°	733.6	701.5	662.9	623.5	575.8	531.3	491.2	459.9	435.8	427.8	424.5
27.5°	771.5	727.4	677.5	622.4	550.3	489.8	436.6	397.6	373.9	366.6	369.2
30°	819.6	760.9	695.7	611.1	512.0	431.5	369.2	336.4	318.5	311.6	311.9
32.5°	883.7	809.0	722.3	587.1	462.8	365.1	310.5	286.4	274.4	265.3	264.6
35°	975.5	882.3	747.1	548.4	403.0	306.1	266.4	247.4	230.7	220.1	221.9
37.5°	1085.6	974.4	760.5	496.3	336.0	260.2	233.2	213.9	195.0	179.3	181.1
40°	1216.1	1095.1	759.4	427.8	274.8	228.9	205.5	182.9	159.3	145.0	146.5
42.5°	1361.5	1209.1	735.8	355.3	227.8	203.3	178.9	150.5	127.5	118.8	119.2
45°	1487.5	1301.7	694.2	280.2	191.7	178.6	151.2	122.1	111.9	105.7	105.3
47.5°	1580.8	1369.5	634.8	220.5	162.5	156.0	124.3	109.3	101.3	96.2	95.5
50°	1633.0	1393.2	569.2	172.7	137.4	132.3	111.1	99.1	93.7	90.4	89.6
52.5°	1702.9	1421.6	522.2	136.3	115.2	108.2	102.4	92.2	88.6	86.0	84.9
55°	1813.7	1476.6	481.4	108.2	95.8	94.4	96.6	88.2	86.0	82.0	80.5
57.5°	1709.5	1326.5	373.9	83.8	80.9	86.4	93.3	84.2	78.7	75.1	73.6
60°	1202.9	881.9	188.0	67.4	72.2	80.9	87.8	76.2	70.7	71.4	70.7
62.5°	663.2	441.3	84.5	56.5	62.7	71.4	75.1	66.0	62.3	68.5	69.6
65°	216.8	150.1	48.8	43.7	49.6	58.3	64.9	62.7	62.0	69.2	71.4
67.5°	66.7	49.6	33.2	31.3	34.3	43.0	54.7	67.8	72.9	75.1	76.2
70°	49.9	39.0	28.4	26.6	28.1	32.8	46.3	56.5	53.2	53.6	52.8
72.5°	40.1	31.0	24.4	23.3	23.3	22.6	24.4	30.6	34.6	36.4	36.4
75°	28.1	21.9	18.6	17.1	13.5	10.9	9.8	9.8	8.7	8.4	8.0
77.5°	9.5	8.0	7.3	5.8	4.0	3.3	2.9	2.6	1.8	1.1	0.7
80°	1.5	1.1	0.7	0.7	0.7	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	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)