

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: P630130

Luminaire Tested: GWS-SA1D-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630130
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-SA1D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3345.7 lumens
Efficiency: N/A
Efficacy: 75.5 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

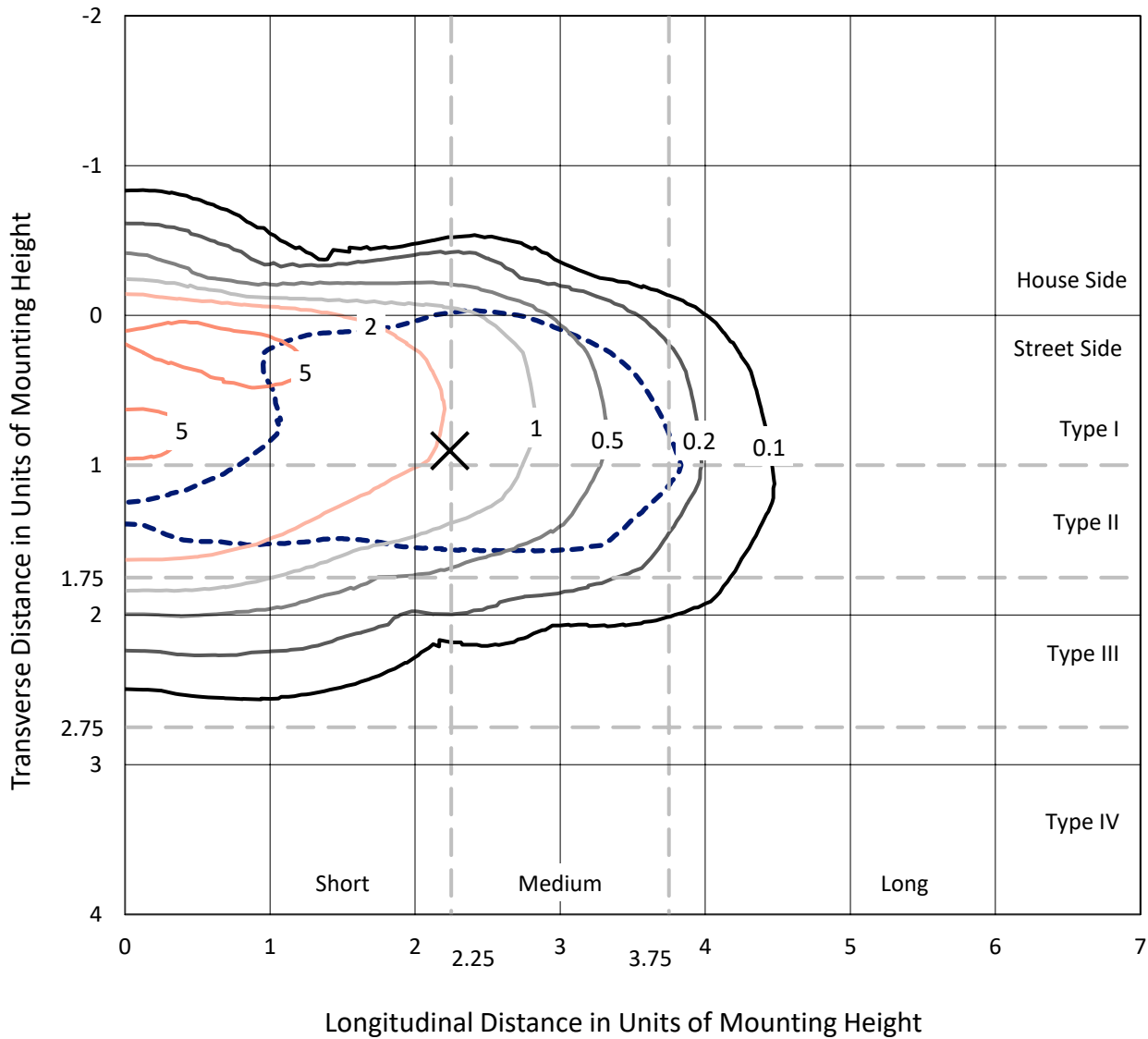
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

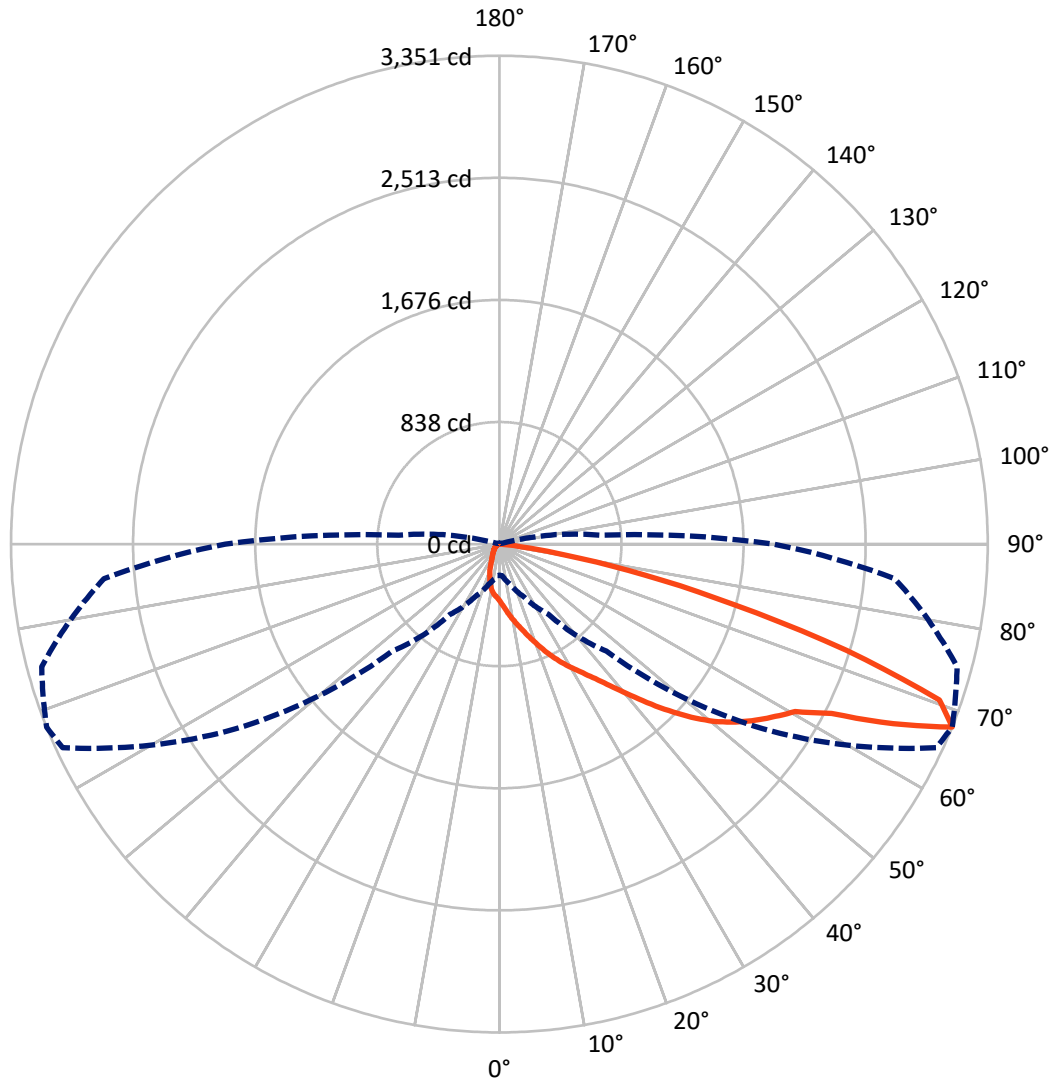
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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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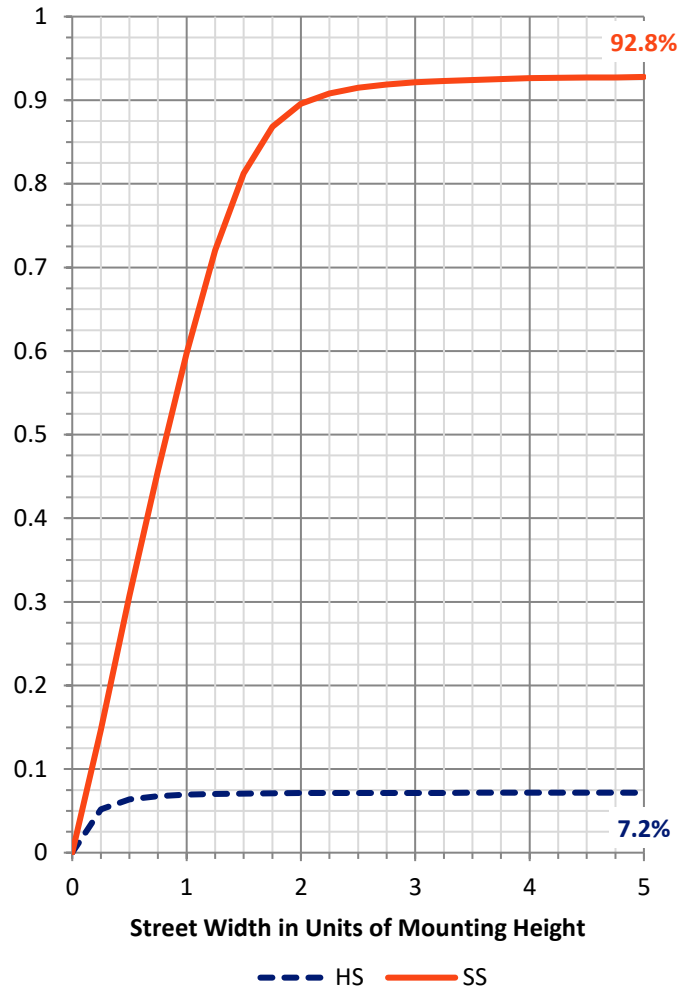
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.6	0.0	241.6
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	3104.1	0.0	3104.1
	% Fixture	92.8	0.0	92.8
Total	Lumens	3345.7	0.0	3345.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	1.1
10°-20°	109.1	3.3
20°-30°	187.4	5.6
30°-40°	325.8	9.7
40°-50°	568.5	17.0
50°-60°	857.5	25.6
60°-70°	859.8	25.7
70°-80°	379.4	11.3
80°-90°	20.3	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°	3345.7	100.0
0°-180°	3345.7	100.0

Coefficient of Utilization

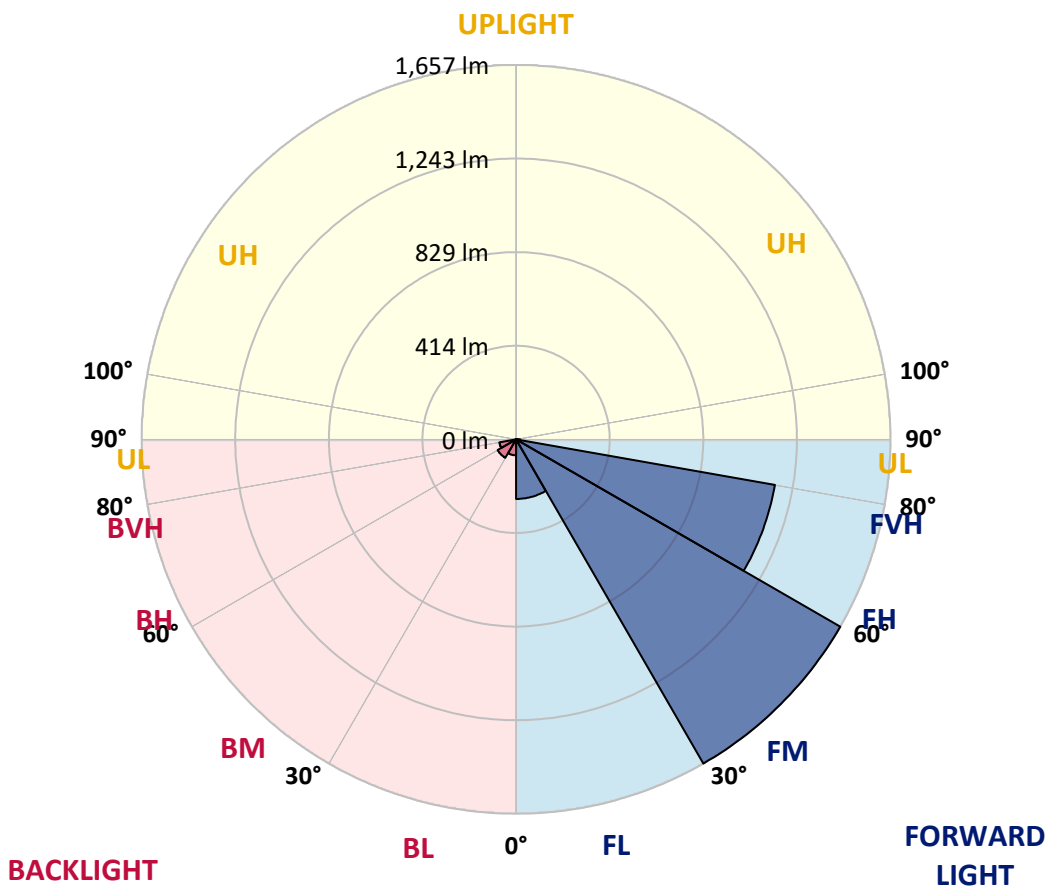


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.7	7.9			
FM (30°-60°)	1657.5	49.5			
FH (60°-80°)	1163.8	34.8			G1/1800
FVH (80°-90°)	19.1	0.6			G1/100
BL (0°-30°)	70.7	2.1	B0/110		
BM (30°-60°)	94.4	2.8	B0/220		
BH (60°-80°)	75.4	2.3	B0/110		G0/110
BVH (80°-90°)	1.1	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°	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4
2.5°	453.4	456.3	453.4	454.0	445.7	441.9	433.5	422.0	419.1	411.8	400.6
5°	508.8	511.3	508.5	507.8	498.2	491.2	477.4	457.6	451.8	437.4	415.3
7.5°	538.9	540.5	541.4	543.0	539.5	533.8	521.3	496.6	490.5	467.2	436.1
10°	542.1	543.4	548.2	557.8	564.8	568.3	561.3	538.6	529.0	506.2	461.7
12.5°	533.1	535.0	542.7	558.7	578.3	596.2	600.7	580.8	572.2	543.0	491.8
15°	521.3	522.9	533.4	555.2	584.7	617.7	636.2	627.6	618.0	587.6	525.1
17.5°	503.0	505.3	520.0	549.5	587.6	634.6	674.6	677.5	670.8	637.8	561.9
20°	492.8	494.4	507.5	537.9	585.6	647.1	710.5	737.7	730.4	695.8	604.2
22.5°	501.4	502.7	511.3	535.0	579.2	654.2	743.8	797.9	793.8	757.9	648.7
25°	546.9	551.1	545.9	550.1	582.1	658.0	770.7	858.1	859.1	822.9	694.8
27.5°	639.1	633.7	621.5	600.7	604.5	668.2	793.8	914.8	923.1	886.3	735.8
30°	732.9	729.7	722.4	690.0	663.1	691.0	813.3	972.7	985.9	948.7	772.3
32.5°	838.3	841.5	828.3	789.6	743.8	737.1	833.5	1027.8	1052.5	1019.5	815.2
35°	964.1	965.1	939.1	896.2	844.3	813.3	869.6	1088.7	1134.1	1109.8	872.5
37.5°	1086.7	1092.5	1078.4	1010.8	964.7	908.1	929.5	1166.8	1230.8	1221.2	944.6
40°	1195.3	1204.2	1199.8	1134.4	1073.9	1026.2	1022.4	1258.4	1347.7	1358.6	1039.7
42.5°	1281.7	1287.5	1291.0	1244.6	1191.1	1164.2	1137.0	1364.7	1485.7	1530.2	1156.2
45°	1373.0	1374.9	1382.3	1350.9	1304.1	1306.4	1272.4	1493.7	1631.1	1720.4	1290.1
47.5°	1489.2	1495.6	1492.1	1459.1	1416.9	1442.1	1412.4	1626.6	1774.5	1923.4	1427.1
50°	1630.7	1637.5	1634.3	1595.8	1548.8	1559.3	1540.8	1755.6	1912.8	2114.9	1541.1
52.5°	1703.7	1709.2	1748.9	1766.2	1741.5	1674.3	1650.3	1897.5	2029.7	2272.4	1645.8
55°	1668.5	1672.4	1758.8	1831.8	1922.1	1854.9	1760.4	2007.0	2132.8	2395.4	1723.6
57.5°	1522.5	1543.3	1660.8	1784.4	1974.3	2033.2	1939.1	2126.1	2232.1	2480.9	1800.1
60°	1223.1	1222.2	1390.6	1612.5	1872.5	2082.2	2191.4	2287.1	2331.6	2546.5	1902.6
62.5°	675.9	682.0	906.1	1198.5	1589.4	1955.4	2380.6	2565.4	2558.7	2661.1	2063.0
65°	336.5	348.7	470.4	686.5	1057.6	1616.0	2413.3	2990.0	2970.7	2931.0	2394.4
67.5°	213.6	218.4	285.6	399.0	587.9	1038.7	2210.0	3306.6	3351.1	3251.2	2723.2
70°	138.3	146.3	198.5	272.8	354.8	535.4	1618.9	3101.4	3203.5	3216.0	2518.3
72.5°	75.2	81.0	126.8	194.7	256.2	267.7	909.3	2327.5	2491.7	2728.0	1970.1
75°	42.9	47.1	69.5	132.2	188.0	163.0	403.1	1558.1	1662.8	1949.7	1411.7
77.5°	25.9	29.5	39.1	64.4	117.8	108.9	152.4	948.4	1015.0	1163.3	740.9
80°	11.8	14.1	24.7	35.5	64.4	51.6	58.3	442.2	456.6	477.4	245.3
82.5°	5.4	6.4	11.2	21.1	36.5	29.8	22.4	102.1	143.8	136.1	62.4
85°	0.6	0.6	4.2	8.6	10.2	7.7	9.3	23.1	29.1	41.0	17.9
87.5°	0.0	0.0	0.3	0.3	0.6	1.0	1.9	2.9	4.2	6.7	4.5
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°	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4
2.5°	395.4	386.5	378.5	366.6	358.6	349.7	343.6	336.2	333.3	331.1	327.9
5°	404.4	390.0	370.5	348.7	330.8	313.8	298.1	287.9	278.9	277.6	273.1
7.5°	419.1	397.7	364.7	329.2	298.7	270.6	248.5	230.5	221.6	218.7	213.6
10°	438.7	409.2	356.1	301.6	257.8	224.1	199.2	179.0	164.9	159.8	155.9
12.5°	460.4	419.8	342.3	267.7	217.7	179.3	147.6	126.2	117.2	114.0	111.1
15°	485.4	429.7	320.5	233.7	178.7	131.9	109.5	100.2	96.4	95.4	94.5
17.5°	509.4	436.1	294.6	198.5	137.4	102.5	91.9	88.4	87.4	86.5	85.8
20°	536.6	440.6	264.2	165.2	106.6	86.8	81.6	79.1	77.2	75.2	74.9
22.5°	564.5	440.6	231.2	132.6	89.3	77.8	72.0	67.2	63.7	61.8	61.2
25°	591.1	434.5	198.5	106.0	78.8	69.2	61.8	56.4	51.6	49.3	48.7
27.5°	610.0	418.8	170.0	89.7	71.4	61.5	52.5	46.4	42.6	40.3	40.0
30°	621.8	395.4	143.8	80.0	65.0	53.5	44.5	39.4	36.5	34.9	34.3
32.5°	630.8	366.6	120.4	73.3	58.9	46.4	38.7	34.6	32.0	30.7	30.4
35°	648.7	339.4	103.1	67.2	52.5	40.7	33.9	30.7	28.8	27.2	26.9
37.5°	673.7	316.7	89.3	61.8	46.4	36.2	30.7	27.9	26.3	24.7	24.3
40°	710.5	302.3	79.1	56.4	41.0	32.7	28.2	25.6	23.4	21.8	21.5
42.5°	767.2	295.5	72.4	50.9	36.2	29.5	25.9	22.7	20.5	18.9	18.6
45°	834.7	299.1	66.6	45.5	33.0	27.2	23.1	19.9	17.6	16.0	15.7
47.5°	907.1	311.5	61.8	40.3	29.8	25.0	20.5	17.0	15.0	13.4	13.1
50°	982.7	332.0	57.6	35.5	27.2	22.4	17.6	14.7	12.8	11.5	11.2
52.5°	1048.3	359.9	53.5	32.0	25.0	19.9	15.4	12.8	10.9	9.6	9.3
55°	1111.1	386.2	50.3	28.8	22.4	17.3	13.4	10.9	9.3	8.0	7.7
57.5°	1179.3	414.0	46.4	25.9	20.2	15.4	11.8	9.3	8.0	6.7	6.4
60°	1278.5	455.3	40.7	23.7	17.6	13.4	10.2	8.3	7.0	5.4	5.1
62.5°	1421.7	530.6	34.3	20.5	15.0	11.5	8.6	7.0	5.8	4.5	3.8
65°	1689.3	658.6	28.2	17.0	12.2	9.6	7.4	5.8	4.5	3.2	2.9
67.5°	1882.1	691.9	22.7	13.8	9.9	7.4	6.1	4.5	3.2	2.2	1.9
70°	1645.5	496.9	17.6	11.2	8.3	5.8	4.8	3.5	2.2	1.6	1.3
72.5°	1239.8	324.7	13.1	8.6	6.4	4.8	3.5	2.9	1.9	1.3	1.0
75°	873.8	187.6	9.6	6.4	4.5	3.5	2.9	2.2	1.6	1.0	1.0
77.5°	447.9	77.5	6.7	4.5	3.2	2.2	1.9	1.3	1.3	1.0	0.6
80°	136.1	25.6	3.8	2.9	2.2	1.6	1.0	1.0	1.0	0.6	0.3
82.5°	31.1	8.3	2.2	2.2	1.6	1.3	1.0	0.3	0.3	0.0	0.0
85°	8.0	2.6	1.9	1.6	1.6	1.3	0.6	0.3	0.0	0.0	0.0
87.5°	2.9	1.6	1.6	1.6	1.3	1.0	0.6	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)