

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: P634090

Luminaire Tested: GWS-SA3B-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634090
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-SA3B-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5739 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

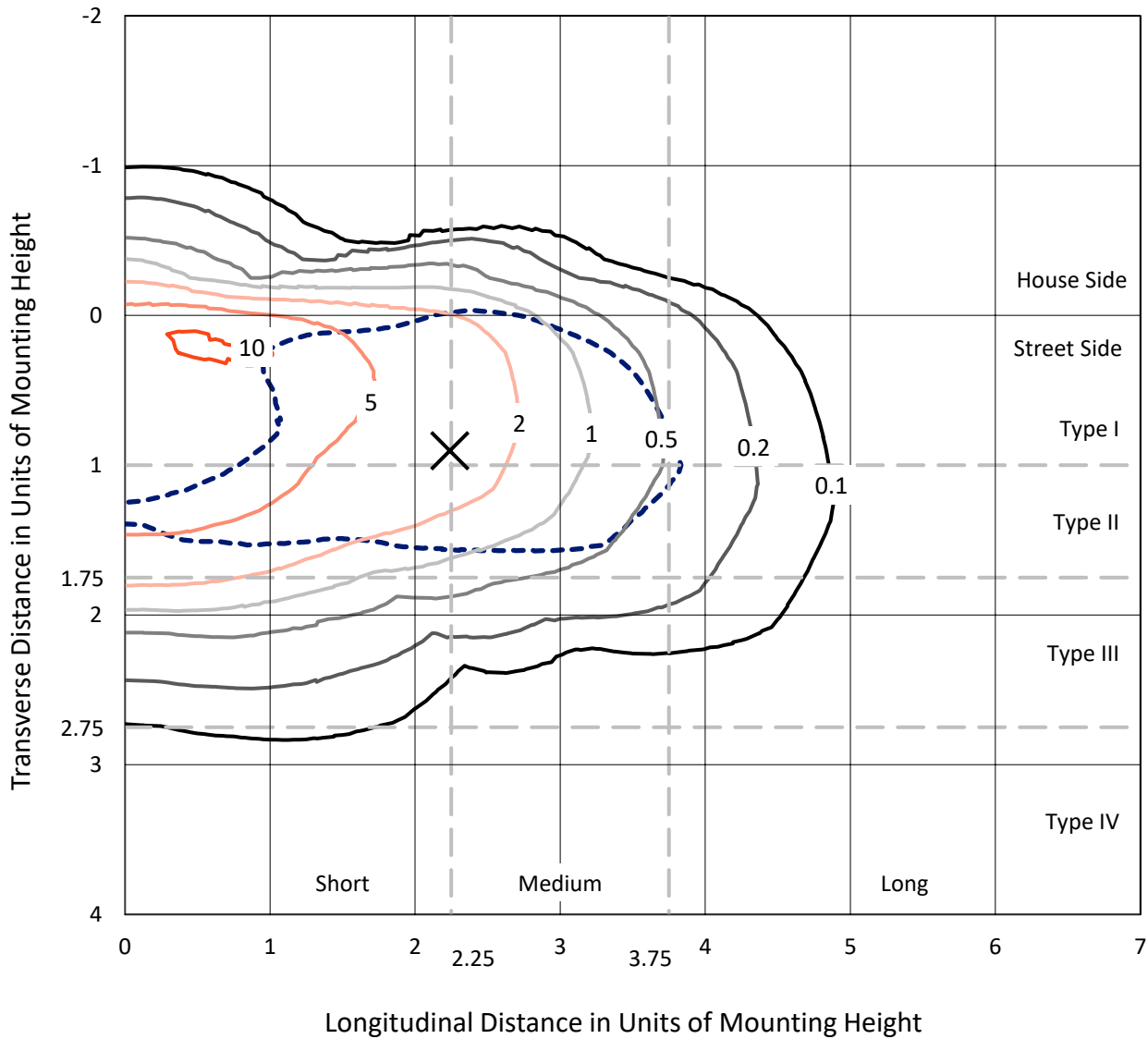
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634090
 CATALOG NUMBER: GWS-SA3B-722-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

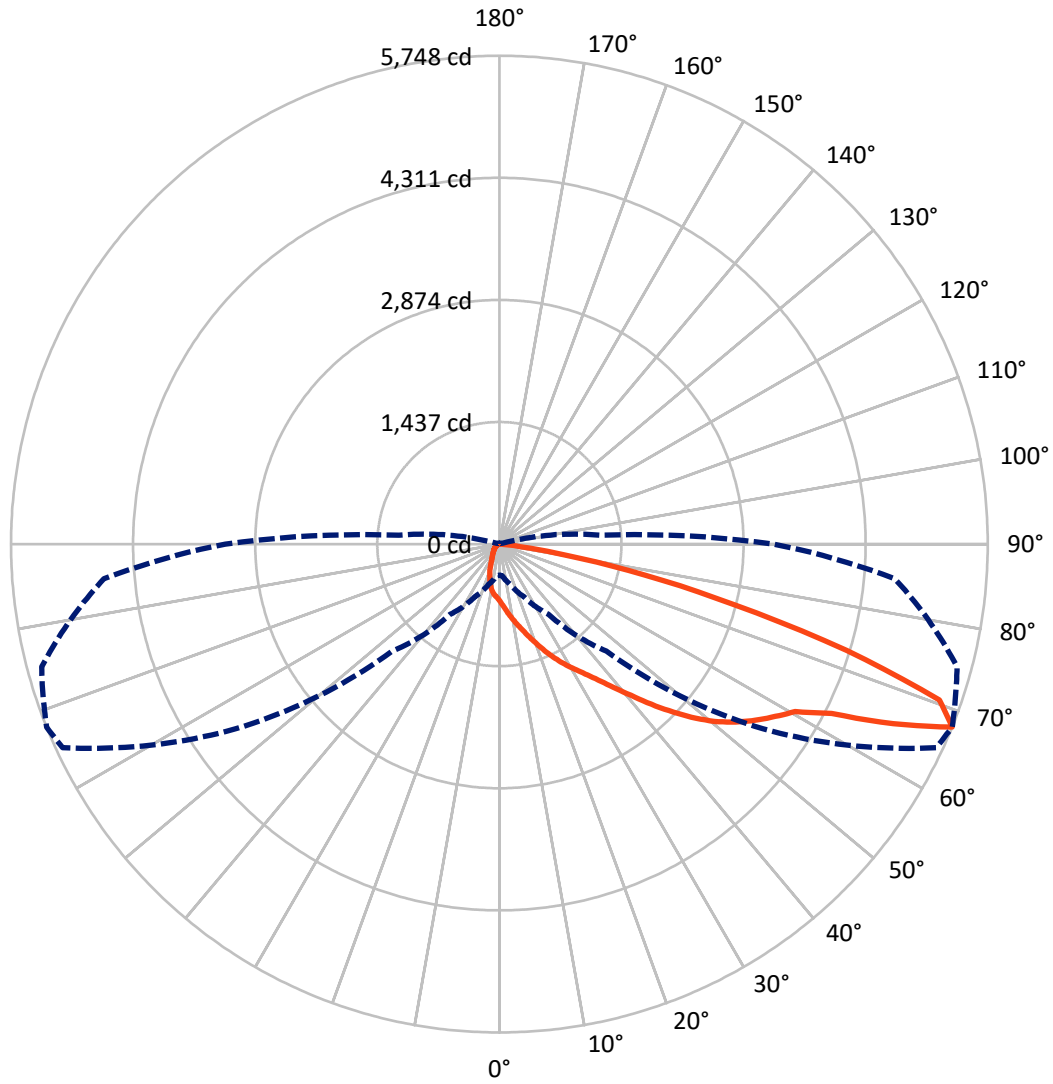
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Short - N/A

REPORT NUMBER: P634090
CATALOG NUMBER: GWS-SA3B-722-U-T2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634090
 CATALOG NUMBER: GWS-SA3B-722-U-T2-W-HSS

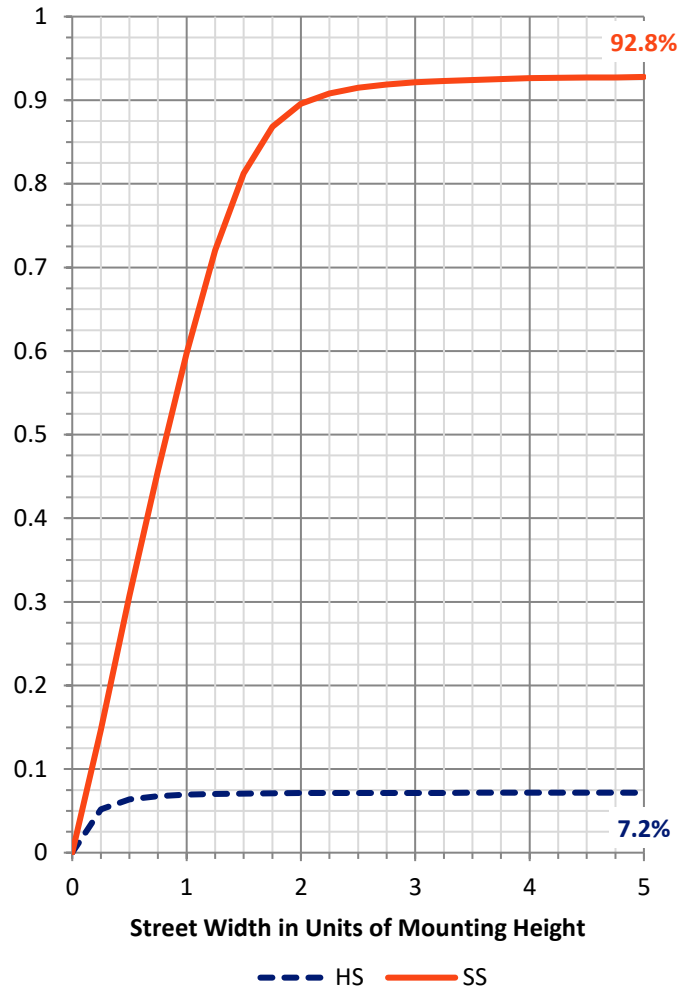
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	414.4	0.0	414.4
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	5324.6	0.0	5324.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	5739.0	0.0	5739.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.1
10°-20°	187.1	3.3
20°-30°	321.5	5.6
30°-40°	558.9	9.7
40°-50°	975.2	17.0
50°-60°	1470.9	25.6
60°-70°	1474.9	25.7
70°-80°	650.7	11.3
80°-90°	34.7	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°	5739.0	100.0
0°-180°	5739.0	100.0

Coefficient of Utilization



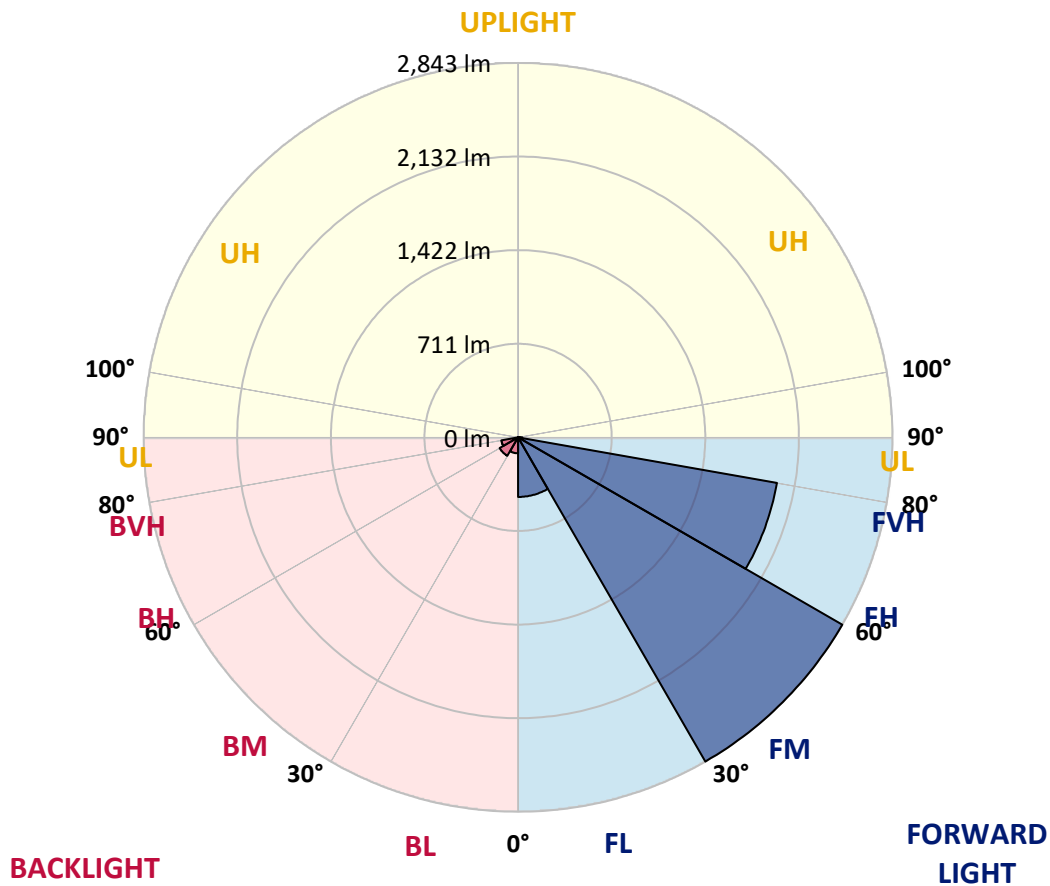
REPORT NUMBER: P634090

CATALOG NUMBER: GWS-SA3B-722-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.4	7.9			
FM (30°-60°)	2843.1	49.5			
FH (60°-80°)	1996.3	34.8			G2/5000
FVH (80°-90°)	32.8	0.6			G1/100
BL (0°-30°)	121.2	2.1	B1/500		
BM (30°-60°)	161.9	2.8	B0/220		
BH (60°-80°)	129.3	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





REPORT NUMBER: P634090
 CATALOG NUMBER: GWS-SA3B-722-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	667.9	667.9	667.9	667.9	667.9	667.9	667.9	667.9	667.9	667.9	667.9
2.5°	777.7	782.7	777.7	778.8	764.5	757.9	743.7	723.9	719.0	706.3	687.1
5°	872.7	877.1	872.2	871.1	854.6	842.5	818.9	784.9	775.0	750.3	712.4
7.5°	924.4	927.1	928.8	931.5	925.5	915.6	894.2	851.9	841.4	801.3	748.1
10°	929.9	932.1	940.3	956.8	968.9	974.9	962.8	923.8	907.3	868.3	792.0
12.5°	914.5	917.8	931.0	958.4	991.9	1022.7	1030.4	996.3	981.5	931.5	843.6
15°	894.2	896.9	915.0	952.4	1002.9	1059.5	1091.3	1076.5	1060.0	1007.9	900.8
17.5°	862.9	866.7	892.0	942.5	1007.9	1088.6	1157.2	1162.2	1150.7	1094.1	963.9
20°	845.3	848.0	870.5	922.7	1004.6	1110.0	1218.8	1265.4	1252.8	1193.5	1036.4
22.5°	860.1	862.3	877.1	917.8	993.6	1122.1	1275.9	1368.7	1361.6	1300.0	1112.8
25°	938.1	945.2	936.5	943.6	998.5	1128.7	1322.0	1472.0	1473.6	1411.5	1191.8
27.5°	1096.3	1086.9	1066.1	1030.4	1037.0	1146.3	1361.6	1569.2	1583.5	1520.3	1262.1
30°	1257.2	1251.7	1239.1	1183.6	1137.5	1185.3	1395.1	1668.6	1691.1	1627.4	1324.8
32.5°	1437.9	1443.4	1420.9	1354.4	1275.9	1264.3	1429.7	1763.1	1805.3	1748.8	1398.4
35°	1653.8	1655.4	1610.9	1537.3	1448.3	1395.1	1491.7	1867.4	1945.4	1903.7	1496.7
37.5°	1864.1	1874.0	1849.8	1733.9	1654.9	1557.6	1594.4	2001.4	2111.3	2094.8	1620.3
40°	2050.3	2065.7	2058.0	1946.0	1842.1	1760.3	1753.7	2158.5	2311.7	2330.4	1783.4
42.5°	2198.6	2208.5	2214.5	2134.9	2043.2	1997.0	1950.3	2340.9	2548.5	2624.8	1983.3
45°	2355.1	2358.4	2371.1	2317.2	2237.0	2240.9	2182.7	2562.2	2797.8	2951.1	2212.9
47.5°	2554.5	2565.5	2559.5	2502.9	2430.4	2473.8	2422.7	2790.1	3043.9	3299.3	2448.0
50°	2797.3	2808.8	2803.3	2737.4	2656.7	2674.8	2642.9	3011.5	3281.1	3627.7	2643.5
52.5°	2922.5	2931.8	2999.9	3029.6	2987.3	2872.0	2830.8	3254.8	3481.6	3897.9	2823.1
55°	2862.1	2868.7	3017.0	3142.2	3297.1	3181.7	3019.7	3442.6	3658.5	4108.9	2956.5
57.5°	2611.6	2647.3	2848.9	3060.9	3386.6	3487.7	3326.2	3646.9	3828.7	4255.5	3087.8
60°	2098.1	2096.4	2385.3	2766.0	3211.9	3571.7	3759.0	3923.2	3999.6	4368.1	3263.6
62.5°	1159.4	1169.9	1554.3	2055.8	2726.4	3354.2	4083.6	4400.5	4389.0	4564.7	3538.7
65°	577.2	598.1	806.8	1177.6	1814.1	2772.0	4139.6	5128.8	5095.8	5027.7	4107.2
67.5°	366.3	374.6	489.9	684.4	1008.4	1781.7	3790.8	5672.0	5748.3	5577.0	4671.3
70°	237.3	251.0	340.5	468.0	608.6	918.3	2776.9	5319.9	5495.1	5516.5	4319.8
72.5°	129.1	139.0	217.5	333.9	439.4	459.2	1559.8	3992.4	4274.2	4679.5	3379.5
75°	73.6	80.7	119.2	226.8	322.4	279.6	691.5	2672.6	2852.2	3344.3	2421.6
77.5°	44.5	50.5	67.0	110.4	202.1	186.7	261.4	1626.8	1741.1	1995.4	1270.9
80°	20.3	24.2	42.3	61.0	110.4	88.4	100.0	758.5	783.2	818.9	420.7
82.5°	9.3	11.0	19.2	36.2	62.6	51.1	38.4	175.2	246.6	233.4	107.1
85°	1.1	1.1	7.1	14.8	17.6	13.2	15.9	39.5	50.0	70.3	30.8
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	3.3	4.9	7.1	11.5	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634090
 CATALOG NUMBER: GWS-SA3B-722-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	667.9	667.9	667.9	667.9	667.9	667.9	667.9	667.9	667.9	667.9	667.9
2.5°	678.3	662.9	649.2	628.9	615.1	599.8	589.3	576.7	571.8	567.9	562.4
5°	693.7	669.0	635.5	598.1	567.4	538.3	511.3	493.8	478.4	476.2	468.5
7.5°	719.0	682.2	625.6	564.6	512.4	464.1	426.2	395.5	380.1	375.1	366.3
10°	752.5	701.9	610.8	517.4	442.1	384.5	341.6	307.0	282.9	274.1	267.5
12.5°	789.8	720.1	587.1	459.2	373.5	307.6	253.2	216.4	201.0	195.5	190.6
15°	832.6	737.1	549.8	400.9	306.5	226.3	187.8	171.9	165.3	163.7	162.0
17.5°	873.8	748.1	505.3	340.5	235.6	175.8	157.6	151.6	149.9	148.3	147.2
20°	920.5	755.8	453.1	283.4	182.9	148.8	140.1	135.7	132.4	129.1	128.5
22.5°	968.3	755.8	396.5	227.4	153.2	133.5	123.6	115.3	109.3	106.0	104.9
25°	1013.9	745.3	340.5	181.8	135.1	118.6	106.0	96.7	88.4	84.6	83.5
27.5°	1046.3	718.4	291.6	153.8	122.5	105.5	90.1	79.6	73.0	69.2	68.7
30°	1066.6	678.3	246.6	137.3	111.5	91.7	76.3	67.6	62.6	59.9	58.8
32.5°	1082.0	628.9	206.5	125.8	101.1	79.6	66.5	59.3	54.9	52.7	52.2
35°	1112.8	582.2	176.9	115.3	90.1	69.8	58.2	52.7	49.4	46.7	46.1
37.5°	1155.6	543.2	153.2	106.0	79.6	62.1	52.7	47.8	45.0	42.3	41.7
40°	1218.8	518.5	135.7	96.7	70.3	56.0	48.3	43.9	40.1	37.3	36.8
42.5°	1316.0	506.9	124.1	87.3	62.1	50.5	44.5	39.0	35.2	32.4	31.9
45°	1431.9	513.0	114.2	78.0	56.6	46.7	39.5	34.1	30.2	27.5	26.9
47.5°	1556.0	534.4	106.0	69.2	51.1	42.8	35.2	29.1	25.8	23.1	22.5
50°	1685.6	569.6	98.9	61.0	46.7	38.4	30.2	25.3	22.0	19.8	19.2
52.5°	1798.2	617.3	91.7	54.9	42.8	34.1	26.4	22.0	18.7	16.5	15.9
55°	1905.9	662.4	86.2	49.4	38.4	29.7	23.1	18.7	15.9	13.7	13.2
57.5°	2022.8	710.2	79.6	44.5	34.6	26.4	20.3	15.9	13.7	11.5	11.0
60°	2193.1	781.0	69.8	40.6	30.2	23.1	17.6	14.3	12.1	9.3	8.8
62.5°	2438.6	910.1	58.8	35.2	25.8	19.8	14.8	12.1	9.9	7.7	6.6
65°	2897.8	1129.8	48.3	29.1	20.9	16.5	12.6	9.9	7.7	5.5	4.9
67.5°	3228.4	1186.9	39.0	23.6	17.0	12.6	10.4	7.7	5.5	3.8	3.3
70°	2822.5	852.4	30.2	19.2	14.3	9.9	8.2	6.0	3.8	2.7	2.2
72.5°	2126.7	556.9	22.5	14.8	11.0	8.2	6.0	4.9	3.3	2.2	1.6
75°	1498.9	321.9	16.5	11.0	7.7	6.0	4.9	3.8	2.7	1.6	1.6
77.5°	768.4	132.9	11.5	7.7	5.5	3.8	3.3	2.2	2.2	1.6	1.1
80°	233.4	43.9	6.6	4.9	3.8	2.7	1.6	1.6	1.6	1.1	0.5
82.5°	53.3	14.3	3.8	3.8	2.7	2.2	1.6	0.5	0.5	0.0	0.0
85°	13.7	4.4	3.3	2.7	2.7	2.2	1.1	0.5	0.0	0.0	0.0
87.5°	4.9	2.7	2.7	2.7	2.2	1.6	1.1	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)