

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: P631105

Luminaire Tested: GWS-SA1F-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631105
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-SA1F-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5026.2 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

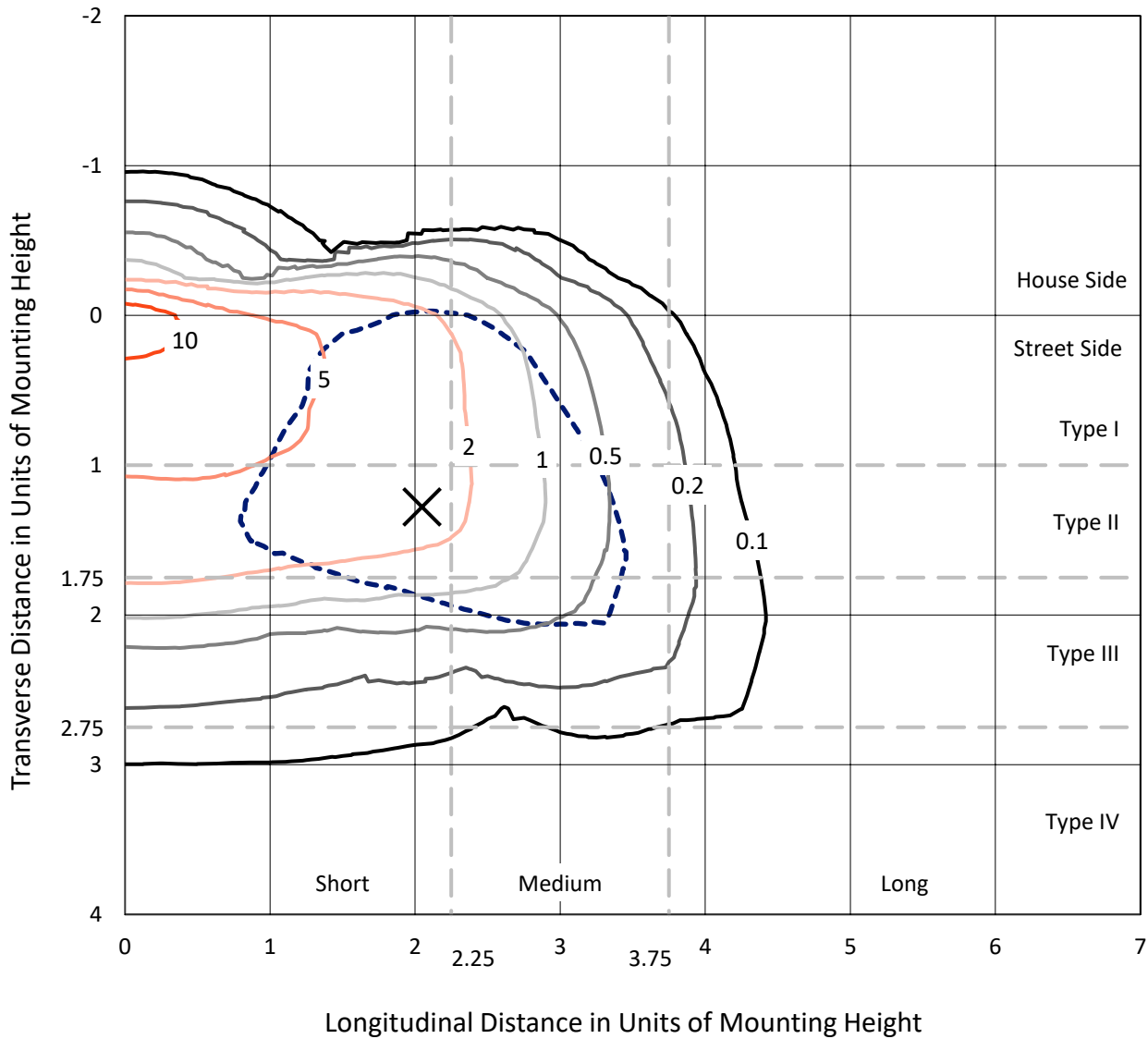
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

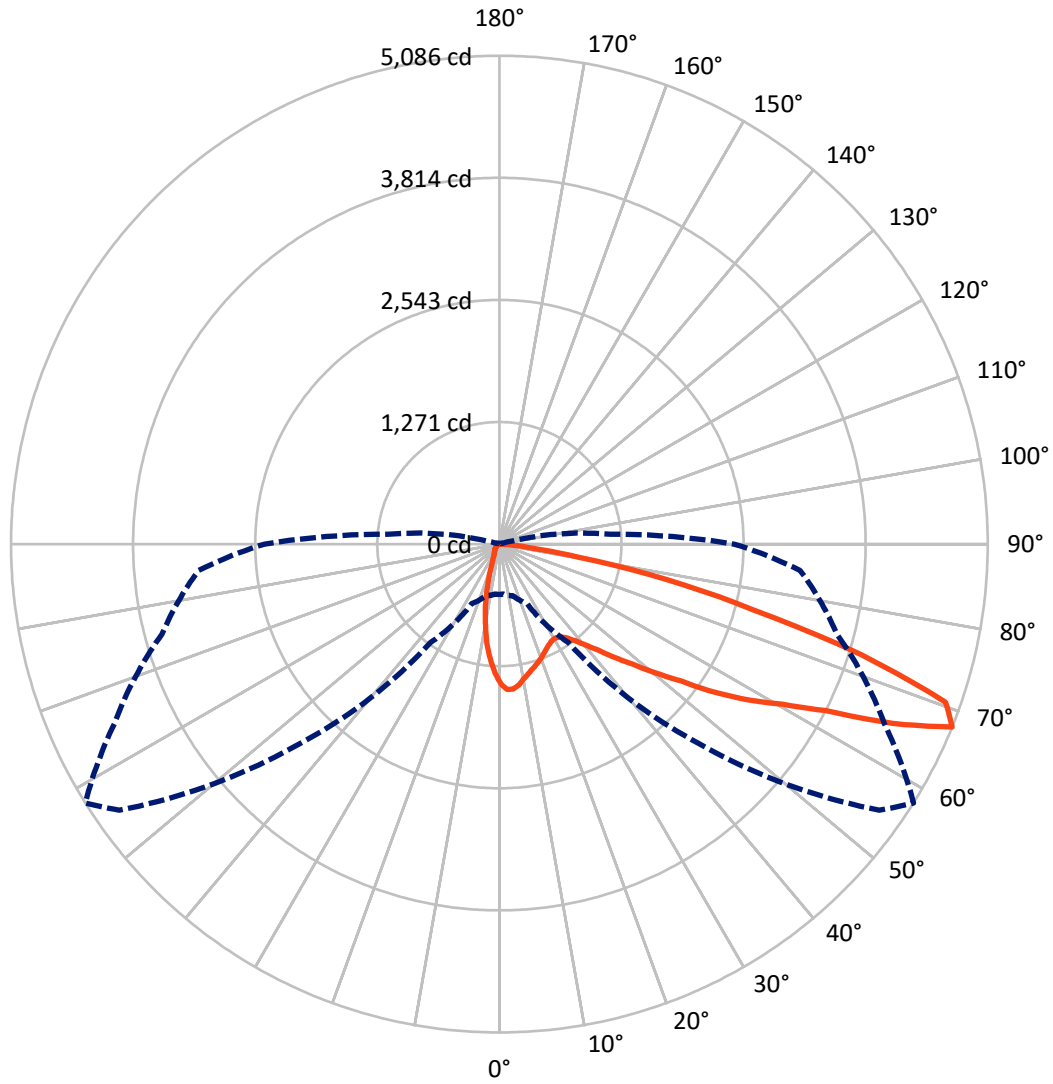
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 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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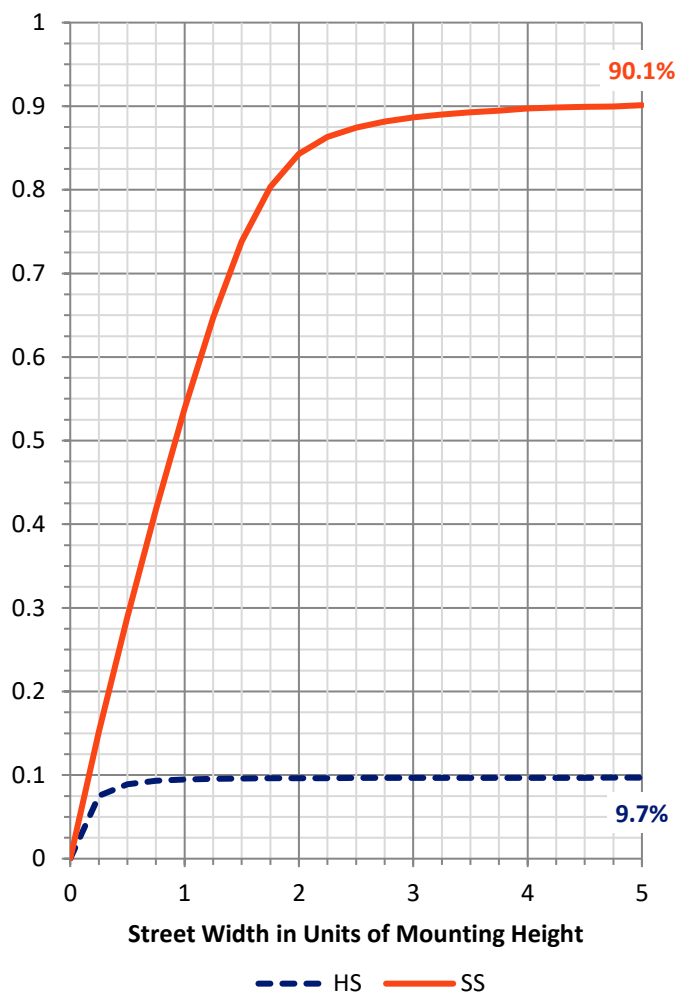
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	491.0	0.0	491.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4535.2	0.0	4535.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	5026.2	0.0	5026.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	2.3
10°-20°	245.2	4.9
20°-30°	330.7	6.6
30°-40°	464.7	9.2
40°-50°	717.7	14.3
50°-60°	1147.7	22.8
60°-70°	1359.0	27.0
70°-80°	601.2	12.0
80°-90°	42.0	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°	5026.2	100.0
0°-180°	5026.2	100.0

Coefficient of Utilization

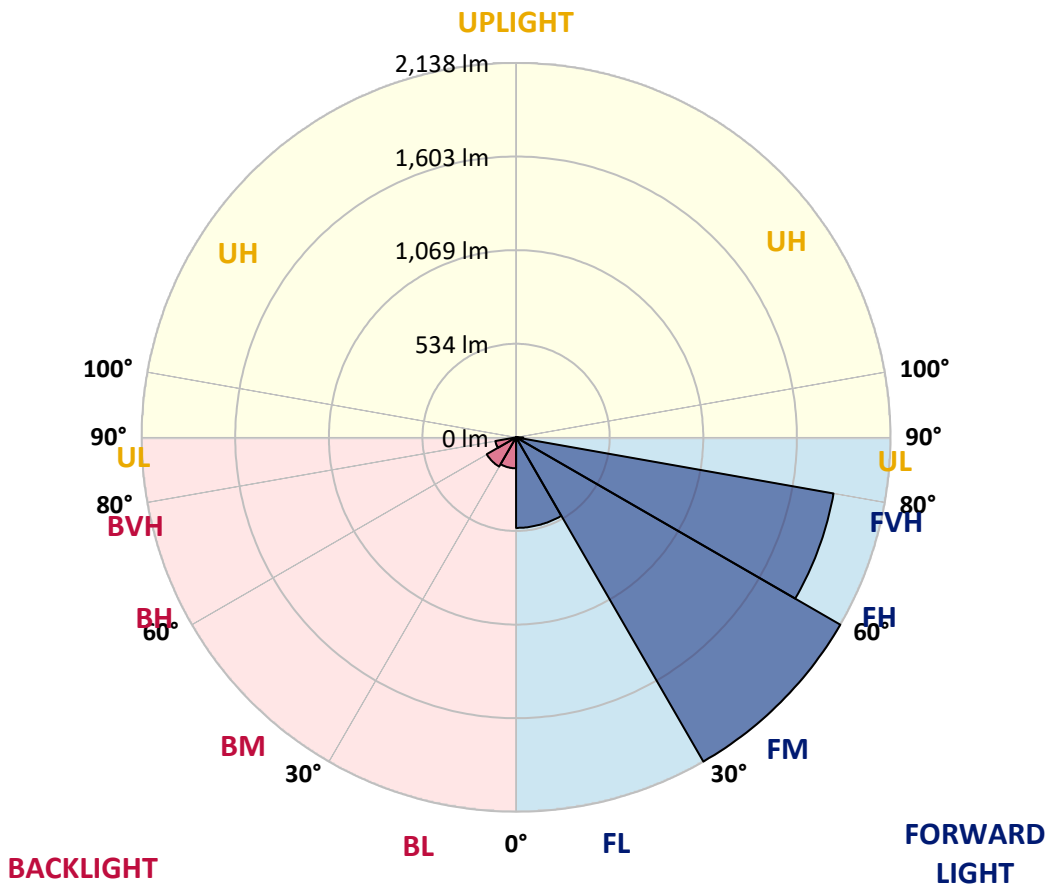


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.1	10.3			
FM (30°-60°)	2137.5	42.5			
FH (60°-80°)	1840.3	36.6			G2/5000
FVH (80°-90°)	40.2	0.8			G1/100
BL (0°-30°)	176.7	3.5	B1/500		
BM (30°-60°)	192.7	3.8	B0/220		
BH (60°-80°)	119.9	2.4	B1/500		G1/500
BVH (80°-90°)	1.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8
2.5°	1525.0	1527.6	1531.2	1535.6	1534.8	1530.8	1525.9	1514.7	1507.6	1485.4	1458.2
5°	1476.0	1475.6	1484.5	1492.9	1508.1	1516.1	1527.2	1517.0	1513.4	1486.7	1442.7
7.5°	1380.4	1385.3	1395.5	1408.9	1430.7	1454.2	1480.9	1477.8	1488.5	1470.7	1416.0
10°	1286.5	1283.9	1299.9	1319.9	1353.3	1383.5	1422.2	1421.8	1449.8	1448.0	1385.7
12.5°	1204.2	1203.8	1216.2	1238.9	1278.1	1320.3	1372.8	1374.2	1408.9	1423.1	1359.9
15°	1134.8	1135.7	1147.7	1171.3	1211.8	1263.4	1324.3	1335.5	1374.6	1403.5	1334.6
17.5°	1085.5	1085.9	1093.0	1113.5	1153.1	1208.2	1281.6	1296.8	1347.0	1388.8	1314.1
20°	1062.8	1061.0	1062.3	1072.6	1103.2	1153.5	1238.0	1257.6	1321.7	1378.6	1295.4
22.5°	1065.9	1063.2	1057.0	1055.6	1069.4	1107.7	1191.8	1215.8	1294.1	1372.4	1278.5
25°	1093.5	1087.7	1078.8	1065.4	1060.1	1079.2	1151.3	1176.2	1268.3	1372.8	1265.6
27.5°	1135.7	1129.5	1118.4	1100.6	1079.7	1071.7	1123.7	1147.3	1250.1	1383.1	1259.4
30°	1189.6	1184.7	1174.0	1152.6	1124.6	1091.7	1117.9	1137.5	1241.2	1404.0	1262.1
32.5°	1253.2	1249.6	1240.7	1221.1	1189.1	1138.8	1137.5	1152.6	1248.3	1434.2	1272.3
35°	1314.6	1315.9	1316.3	1305.7	1271.4	1210.5	1191.3	1196.7	1277.6	1479.6	1295.4
37.5°	1380.8	1377.7	1393.7	1401.3	1368.4	1303.4	1274.5	1275.0	1333.7	1546.8	1339.0
40°	1431.1	1432.0	1466.7	1497.8	1484.0	1421.3	1379.9	1379.5	1420.0	1638.9	1409.3
42.5°	1478.3	1484.0	1535.2	1588.6	1607.7	1552.1	1522.3	1511.2	1541.0	1763.4	1514.7
45°	1528.5	1537.0	1608.6	1684.7	1734.9	1702.0	1678.4	1682.9	1686.5	1908.4	1656.7
47.5°	1587.3	1592.6	1681.1	1788.3	1882.2	1873.7	1875.1	1869.7	1868.0	2091.3	1844.4
50°	1658.4	1670.9	1772.8	1900.9	2029.0	2085.0	2103.7	2106.0	2077.0	2290.6	2038.8
52.5°	1809.7	1824.8	1912.0	2024.1	2189.1	2307.0	2383.1	2368.0	2323.5	2483.6	2251.9
55°	1988.1	1999.6	2083.7	2199.8	2384.9	2550.4	2731.0	2724.8	2615.8	2686.9	2427.1
57.5°	2005.0	2017.9	2148.2	2326.2	2636.2	2851.1	3041.0	3061.1	2901.4	2831.1	2583.7
60°	1815.0	1841.3	2019.2	2258.5	2732.3	3255.5	3380.9	3384.9	3110.9	2977.4	2775.0
62.5°	1454.7	1467.1	1646.4	1958.7	2584.2	3491.2	3900.1	3815.5	3380.0	3203.9	3078.0
65°	762.5	813.2	969.3	1315.0	2095.7	3408.9	4524.6	4501.5	3864.0	3528.2	3313.7
67.5°	523.2	522.7	559.6	685.5	1249.6	2935.2	4831.2	5085.6	4423.7	3639.4	3142.9
70°	398.1	399.5	432.4	514.3	647.3	1953.8	4494.8	4929.9	4527.8	3304.4	2541.9
72.5°	264.2	266.9	321.6	415.5	516.9	957.8	3493.0	3944.6	3809.8	2654.0	1789.2
75°	157.9	160.1	199.3	302.1	459.5	536.1	2219.4	2727.0	2622.4	1829.3	959.1
77.5°	64.9	66.7	102.3	188.2	336.3	416.4	1227.4	1784.3	1570.8	727.3	262.0
80°	27.1	28.0	49.4	131.7	242.4	261.1	568.5	838.6	643.7	156.6	80.1
82.5°	9.8	10.2	18.2	72.5	150.8	196.6	286.9	331.4	181.5	51.2	43.2
85°	0.4	0.4	4.4	24.5	57.4	55.6	164.2	158.8	60.1	21.4	25.8
87.5°	0.0	0.0	0.4	0.4	0.9	2.2	15.6	27.6	12.9	5.3	11.1
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°	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8	1449.8
2.5°	1440.4	1416.9	1391.1	1367.0	1328.8	1306.1	1278.1	1265.6	1247.8	1243.4	1246.0
5°	1411.1	1370.6	1308.8	1252.7	1180.2	1121.9	1063.2	1038.3	1006.3	984.9	976.0
7.5°	1369.7	1316.8	1220.2	1118.4	1018.7	912.4	831.4	778.1	729.6	702.9	697.5
10°	1327.9	1258.9	1120.6	974.7	820.3	693.1	583.7	502.7	436.9	407.0	383.9
12.5°	1284.7	1198.9	1019.2	828.8	649.5	476.0	340.8	262.0	214.9	196.2	199.3
15°	1245.2	1141.1	918.6	682.9	457.3	287.4	188.2	158.8	147.7	144.1	143.7
17.5°	1207.3	1086.3	818.5	540.9	301.6	176.2	144.1	137.0	133.9	132.1	132.1
20°	1173.1	1033.8	720.7	407.5	194.8	139.7	130.3	126.8	124.1	122.8	122.8
22.5°	1141.1	983.1	625.0	288.3	143.7	125.4	119.7	116.1	113.0	111.2	111.2
25°	1112.1	937.3	533.8	198.4	123.7	114.8	108.5	104.5	99.2	96.1	96.1
27.5°	1091.2	896.4	446.2	144.6	111.7	103.2	96.1	90.8	85.0	81.4	80.5
30°	1078.8	861.7	357.7	118.8	100.5	92.1	84.1	77.4	70.7	67.2	66.7
32.5°	1071.7	829.7	276.7	103.7	91.2	81.4	72.5	65.4	58.7	54.7	54.3
35°	1074.3	804.7	207.3	93.4	82.3	72.1	62.3	55.2	49.4	45.8	44.9
37.5°	1097.5	793.6	155.7	85.4	74.7	64.1	53.8	47.2	41.8	39.1	38.7
40°	1142.4	795.9	122.3	79.2	68.5	56.1	46.3	40.0	36.0	33.8	33.4
42.5°	1212.2	814.5	101.0	73.8	61.8	48.9	40.0	35.1	31.1	28.9	28.5
45°	1316.3	853.2	88.1	67.6	54.7	42.3	34.7	30.3	26.7	24.0	23.6
47.5°	1467.1	920.4	79.6	61.8	48.5	36.5	29.8	25.4	22.2	20.0	19.6
50°	1627.7	1000.9	72.5	56.1	43.2	31.6	25.4	20.9	18.2	16.0	15.6
52.5°	1799.0	1087.7	67.2	50.7	38.3	27.1	21.4	17.3	14.7	12.5	12.0
55°	1963.6	1174.9	60.9	47.2	32.5	23.1	17.8	14.2	11.6	9.8	9.8
57.5°	2123.8	1254.9	54.3	41.4	26.7	19.6	14.7	11.6	9.3	8.0	7.6
60°	2315.0	1365.7	46.7	35.1	22.2	16.5	12.0	9.3	7.6	6.2	6.2
62.5°	2599.3	1480.9	40.0	29.4	18.7	13.8	9.8	7.6	6.2	5.3	4.9
65°	2692.3	1418.7	33.8	24.0	15.1	11.1	8.0	6.7	5.3	4.9	4.4
67.5°	2444.0	1162.9	28.0	19.6	12.5	9.3	7.1	5.8	4.9	4.4	4.0
70°	1907.1	825.2	21.8	14.7	10.2	7.6	6.2	5.3	4.4	4.0	4.0
72.5°	1297.2	488.0	17.3	11.1	8.5	6.7	5.3	4.9	4.4	4.0	3.6
75°	638.8	173.5	13.3	8.5	6.7	5.8	4.9	4.4	4.0	3.6	3.6
77.5°	172.2	48.0	10.2	6.7	5.3	4.4	4.4	4.4	4.0	3.1	3.1
80°	58.3	20.0	7.6	4.9	4.4	3.6	3.1	4.0	3.6	3.1	2.7
82.5°	32.0	9.8	5.3	4.0	3.1	2.7	2.7	2.7	2.7	2.2	2.2
85°	20.5	5.3	3.6	3.1	3.1	2.2	1.8	1.8	1.3	1.3	1.3
87.5°	9.3	3.1	3.1	2.7	2.7	2.2	1.3	0.9	0.4	0.4	0.4
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)