

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: P630390

Luminaire Tested: GWS-SA1D-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630390
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-SA1D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5023.7 lumens
Efficiency: N/A
Efficacy: 113.4 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

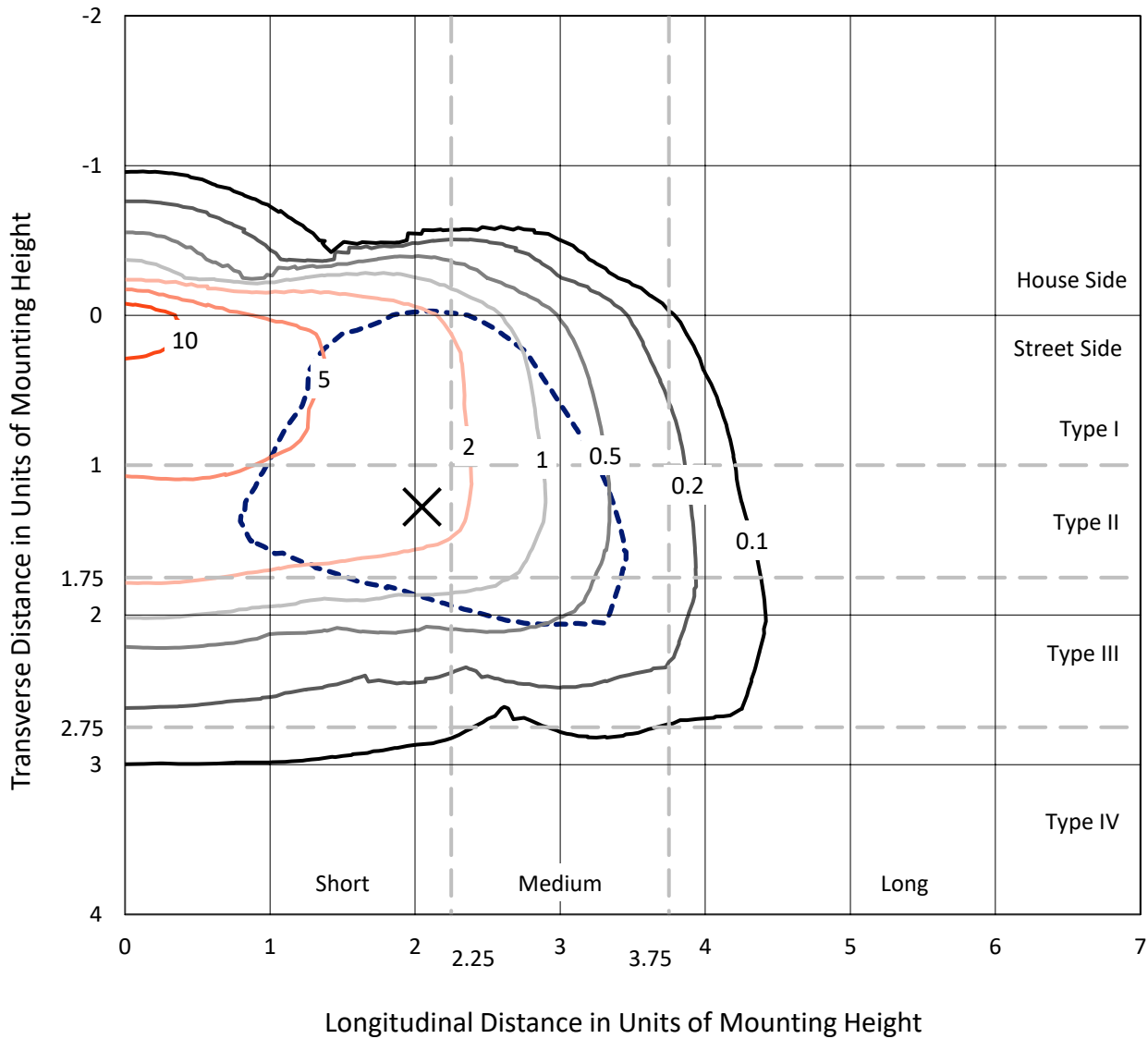
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

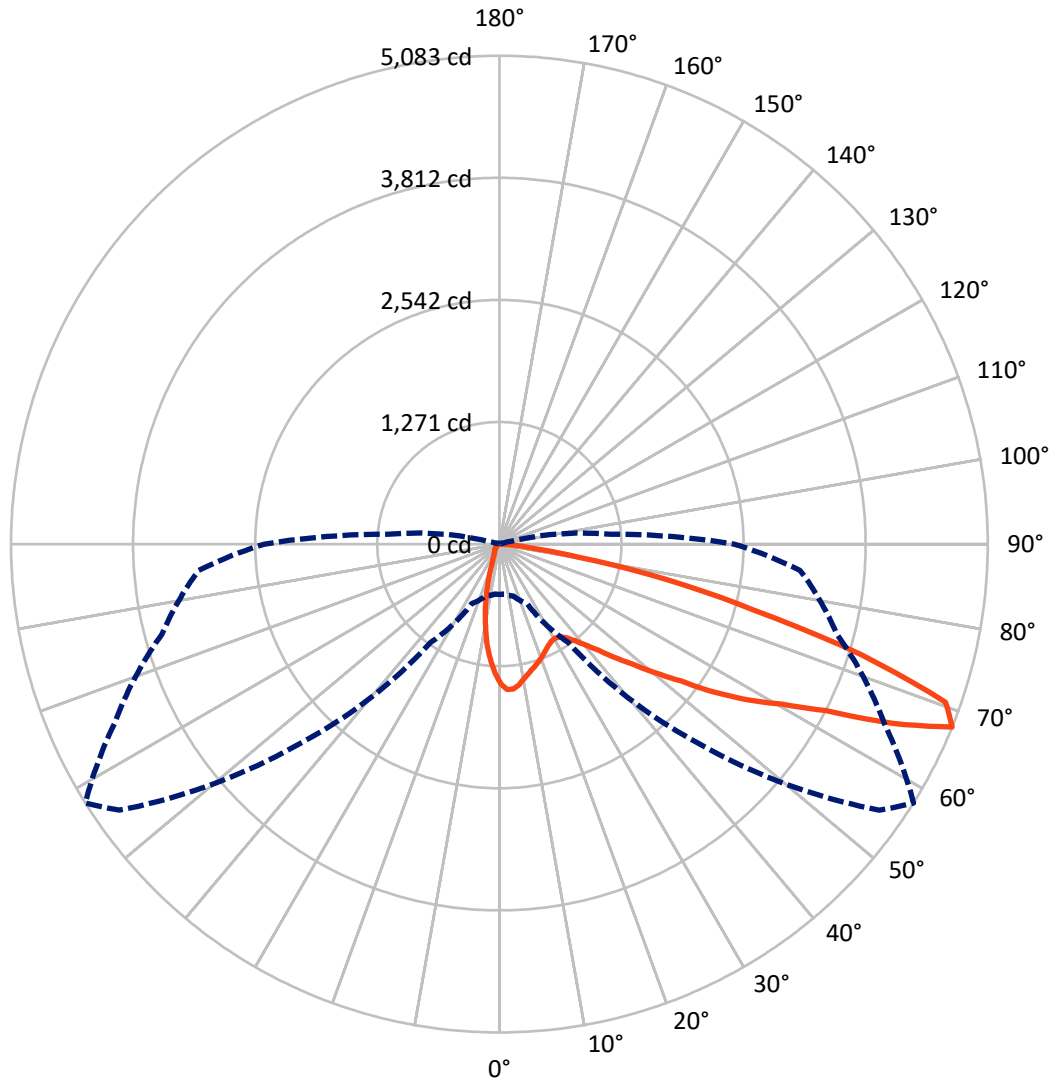
✕ Max cd
 - - - 1/2 Max cd



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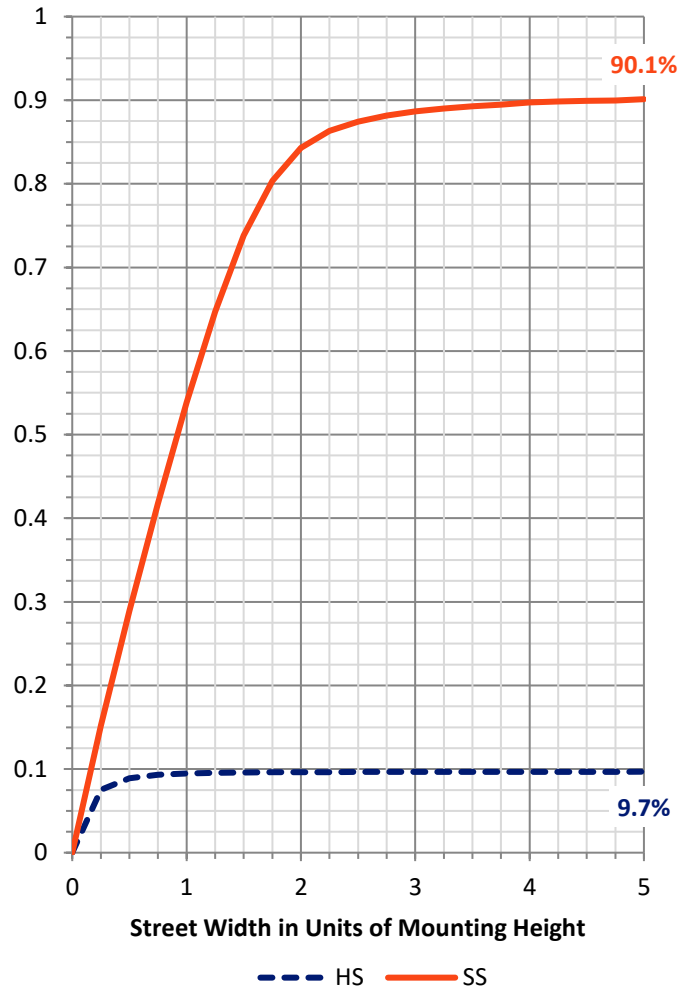
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	490.8	0.0	490.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4532.9	0.0	4532.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	5023.7	0.0	5023.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	2.3
10°-20°	245.1	4.9
20°-30°	330.6	6.6
30°-40°	464.5	9.2
40°-50°	717.4	14.3
50°-60°	1147.2	22.8
60°-70°	1358.3	27.0
70°-80°	600.9	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°	5023.7	100.0
0°-180°	5023.7	100.0

Coefficient of Utilization

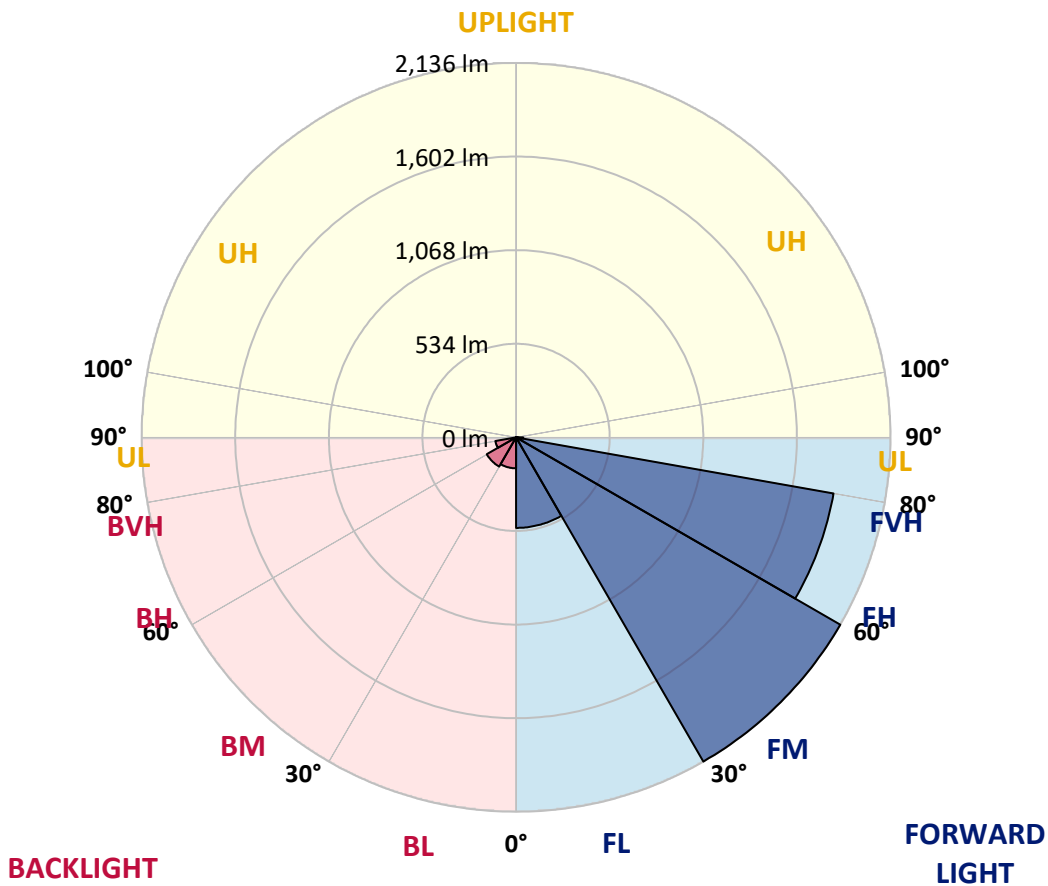


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.8	10.3			
FM (30°-60°)	2136.5	42.5			
FH (60°-80°)	1839.4	36.6			G2/5000
FVH (80°-90°)	40.2	0.8			G1/100
BL (0°-30°)	176.6	3.5	B1/500		
BM (30°-60°)	192.6	3.8	B0/220		
BH (60°-80°)	119.8	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°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1524.2	1526.9	1530.4	1534.9	1534.0	1530.0	1525.1	1514.0	1506.9	1484.6	1457.5
5°	1475.3	1474.9	1483.8	1492.2	1507.3	1515.3	1526.4	1516.2	1512.7	1486.0	1442.0
7.5°	1379.7	1384.6	1394.8	1408.2	1430.0	1453.5	1480.2	1477.1	1487.8	1470.0	1415.3
10°	1285.9	1283.2	1299.2	1319.2	1352.6	1382.8	1421.5	1421.1	1449.1	1447.3	1385.0
12.5°	1203.6	1203.2	1215.6	1238.3	1277.4	1319.7	1372.1	1373.5	1408.2	1422.4	1359.3
15°	1134.3	1135.2	1147.2	1170.7	1211.2	1262.8	1323.7	1334.8	1373.9	1402.8	1333.9
17.5°	1084.9	1085.4	1092.5	1112.9	1152.5	1207.6	1281.0	1296.1	1346.4	1388.2	1313.5
20°	1062.2	1060.5	1061.8	1072.0	1102.7	1152.9	1237.4	1257.0	1321.0	1377.9	1294.8
22.5°	1065.3	1062.7	1056.5	1055.1	1068.9	1107.1	1191.2	1215.2	1293.4	1371.7	1277.9
25°	1092.9	1087.1	1078.2	1064.9	1059.6	1078.7	1150.7	1175.6	1267.7	1372.1	1265.0
27.5°	1135.2	1128.9	1117.8	1100.0	1079.1	1071.1	1123.2	1146.7	1249.4	1382.4	1258.8
30°	1189.0	1184.1	1173.4	1152.1	1124.0	1091.1	1117.4	1136.9	1240.5	1403.3	1261.4
32.5°	1252.5	1249.0	1240.1	1220.5	1188.5	1138.3	1136.9	1152.1	1247.7	1433.5	1271.7
35°	1313.9	1315.2	1315.7	1305.0	1270.8	1209.9	1190.7	1196.1	1277.0	1478.9	1294.8
37.5°	1380.2	1377.0	1393.0	1400.6	1367.7	1302.8	1273.9	1274.3	1333.0	1546.0	1338.4
40°	1430.4	1431.3	1466.0	1497.1	1483.3	1420.6	1379.3	1378.8	1419.3	1638.0	1408.6
42.5°	1477.5	1483.3	1534.4	1587.8	1606.9	1551.3	1521.5	1510.4	1540.2	1762.5	1514.0
45°	1527.8	1536.2	1607.8	1683.8	1734.1	1701.2	1677.6	1682.1	1685.6	1907.5	1655.8
47.5°	1586.5	1591.8	1680.3	1787.4	1881.3	1872.8	1874.1	1868.8	1867.0	2090.2	1843.5
50°	1657.6	1670.1	1771.9	1899.9	2028.0	2084.0	2102.7	2104.9	2076.0	2289.4	2037.8
52.5°	1808.8	1823.9	1911.0	2023.1	2188.1	2305.9	2381.9	2366.8	2322.3	2482.4	2250.8
55°	1987.1	1998.6	2082.7	2198.7	2383.7	2549.1	2729.6	2723.4	2614.5	2685.6	2425.9
57.5°	2004.0	2016.9	2147.2	2325.0	2634.9	2849.7	3039.5	3059.5	2899.9	2829.7	2582.4
60°	1814.1	1840.4	2018.2	2257.4	2731.0	3253.9	3379.2	3383.2	3109.3	2976.0	2773.6
62.5°	1454.0	1466.4	1645.6	1957.7	2582.9	3489.5	3898.1	3813.6	3378.3	3202.3	3076.4
65°	762.1	812.8	968.9	1314.3	2094.7	3407.3	4522.4	4499.3	3862.1	3526.4	3312.1
67.5°	522.9	522.4	559.4	685.2	1249.0	2933.7	4828.8	5083.1	4421.5	3637.6	3141.4
70°	397.9	399.3	432.2	514.0	646.9	1952.8	4492.6	4927.5	4525.5	3302.8	2540.7
72.5°	264.1	266.8	321.5	415.3	516.7	957.3	3491.3	3942.6	3807.9	2652.7	1788.3
75°	157.8	160.1	199.2	301.9	459.3	535.8	2218.3	2725.6	2621.1	1828.3	958.6
77.5°	64.9	66.7	102.3	188.1	336.1	416.2	1226.8	1783.4	1570.0	727.0	261.9
80°	27.1	28.0	49.4	131.6	242.3	261.0	568.2	838.1	643.4	156.5	80.0
82.5°	9.8	10.2	18.2	72.5	150.7	196.5	286.8	331.3	181.4	51.1	43.1
85°	0.4	0.4	4.4	24.5	57.4	55.6	164.1	158.7	60.0	21.3	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°	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1	1449.1
2.5°	1439.7	1416.2	1390.4	1366.4	1328.1	1305.5	1277.4	1265.0	1247.2	1242.8	1245.4
5°	1410.4	1369.9	1308.1	1252.1	1179.6	1121.4	1062.7	1037.8	1005.8	984.4	975.5
7.5°	1369.0	1316.1	1219.6	1117.8	1018.2	911.9	831.0	777.7	729.2	702.5	697.2
10°	1327.2	1258.3	1120.0	974.2	819.9	692.7	583.4	502.4	436.6	406.8	383.7
12.5°	1284.1	1198.3	1018.7	828.4	649.2	475.8	340.6	261.9	214.8	196.1	199.2
15°	1244.5	1140.5	918.2	682.5	457.1	287.2	188.1	158.7	147.6	144.1	143.6
17.5°	1206.7	1085.8	818.1	540.7	301.5	176.1	144.1	136.9	133.8	132.1	132.1
20°	1172.5	1033.3	720.3	407.3	194.8	139.6	130.3	126.7	124.1	122.7	122.7
22.5°	1140.5	982.6	624.7	288.1	143.6	125.4	119.6	116.1	112.9	111.2	111.2
25°	1111.6	936.8	533.6	198.3	123.6	114.7	108.5	104.5	99.2	96.0	96.0
27.5°	1090.7	895.9	446.0	144.5	111.6	103.2	96.0	90.7	84.9	81.4	80.5
30°	1078.2	861.3	357.5	118.7	100.5	92.0	84.0	77.4	70.7	67.1	66.7
32.5°	1071.1	829.2	276.6	103.6	91.2	81.4	72.5	65.4	58.7	54.7	54.2
35°	1073.8	804.3	207.2	93.4	82.3	72.0	62.2	55.1	49.4	45.8	44.9
37.5°	1096.9	793.2	155.6	85.4	74.7	64.0	53.8	47.1	41.8	39.1	38.7
40°	1141.8	795.5	122.3	79.1	68.5	56.0	46.2	40.0	36.0	33.8	33.3
42.5°	1211.6	814.1	100.9	73.8	61.8	48.9	40.0	35.1	31.1	28.9	28.5
45°	1315.7	852.8	88.0	67.6	54.7	42.2	34.7	30.2	26.7	24.0	23.6
47.5°	1466.4	920.0	79.6	61.8	48.5	36.5	29.8	25.3	22.2	20.0	19.6
50°	1626.9	1000.4	72.5	56.0	43.1	31.6	25.3	20.9	18.2	16.0	15.6
52.5°	1798.1	1087.1	67.1	50.7	38.2	27.1	21.3	17.3	14.7	12.4	12.0
55°	1962.6	1174.3	60.9	47.1	32.5	23.1	17.8	14.2	11.6	9.8	9.8
57.5°	2122.7	1254.3	54.2	41.4	26.7	19.6	14.7	11.6	9.3	8.0	7.6
60°	2313.9	1365.0	46.7	35.1	22.2	16.5	12.0	9.3	7.6	6.2	6.2
62.5°	2598.0	1480.2	40.0	29.3	18.7	13.8	9.8	7.6	6.2	5.3	4.9
65°	2690.9	1417.9	33.8	24.0	15.1	11.1	8.0	6.7	5.3	4.9	4.4
67.5°	2442.8	1162.3	28.0	19.6	12.4	9.3	7.1	5.8	4.9	4.4	4.0
70°	1906.2	824.8	21.8	14.7	10.2	7.6	6.2	5.3	4.4	4.0	4.0
72.5°	1296.6	487.8	17.3	11.1	8.4	6.7	5.3	4.9	4.4	4.0	3.6
75°	638.5	173.4	13.3	8.4	6.7	5.8	4.9	4.4	4.0	3.6	3.6
77.5°	172.1	48.0	10.2	6.7	5.3	4.4	4.4	4.4	4.0	3.1	3.1
80°	58.2	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)