

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: P630225

Luminaire Tested: GWS-SA1D-730-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630225
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4472.2 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

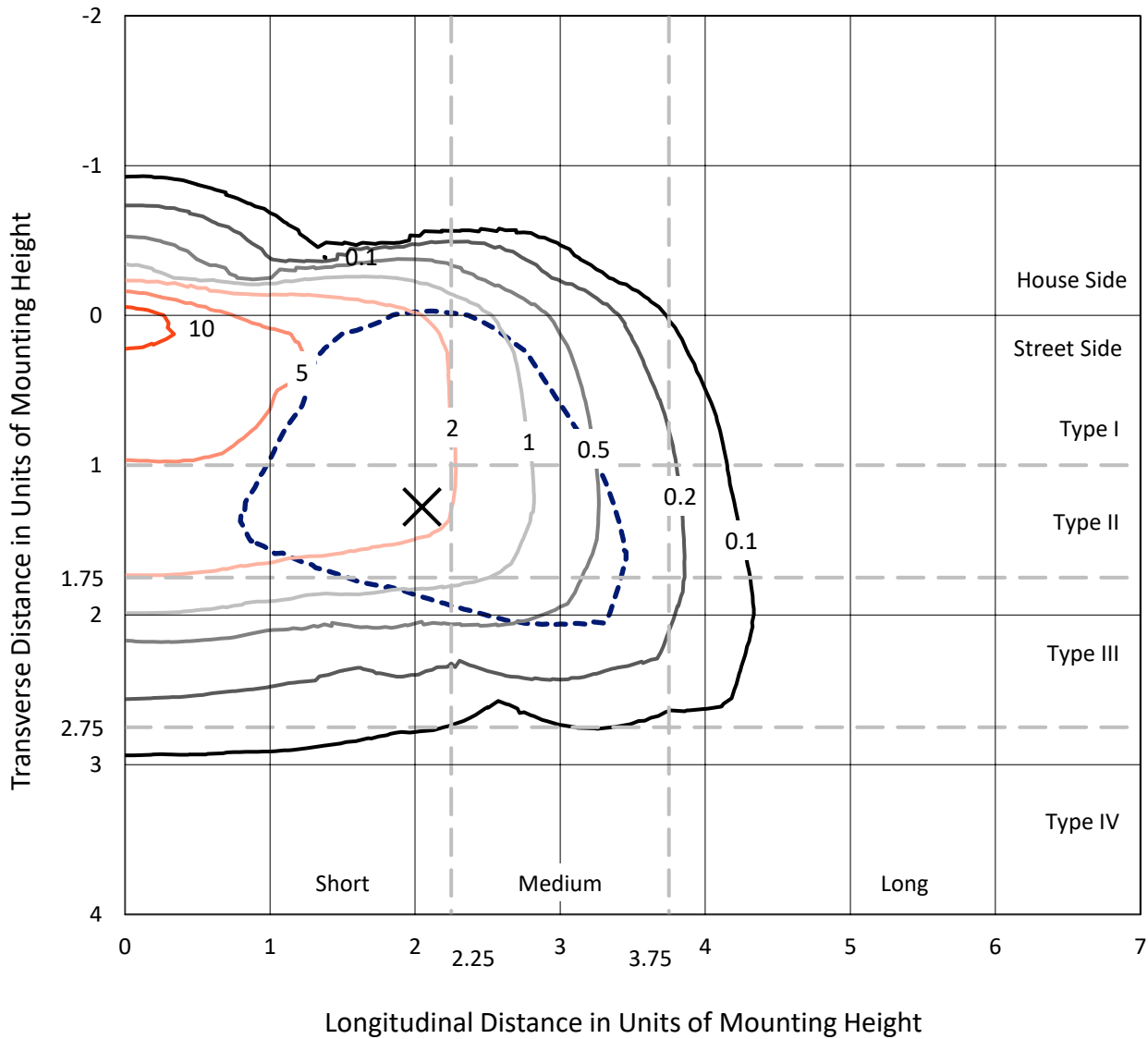
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

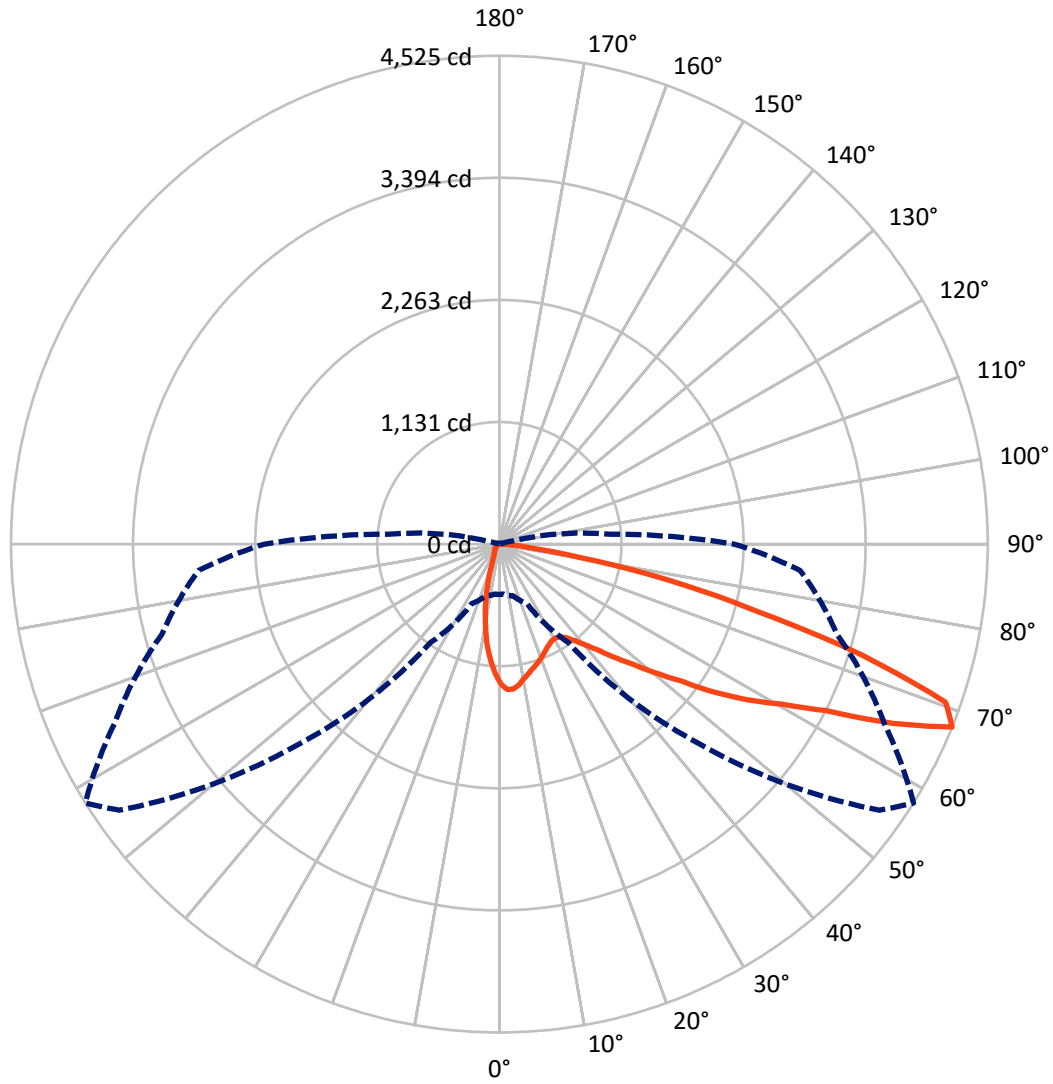
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 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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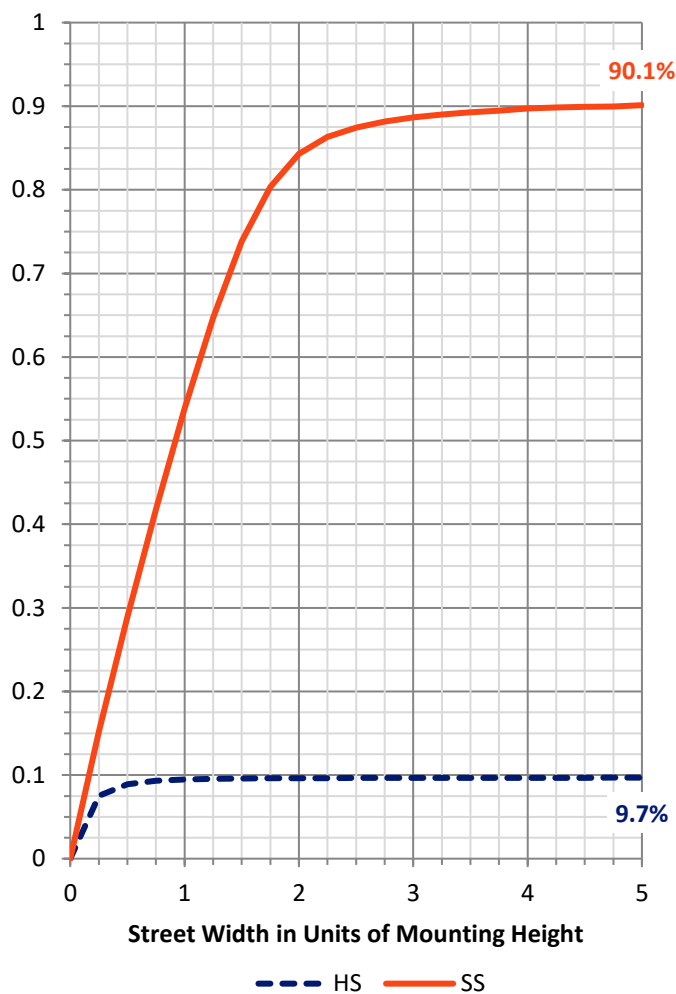
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	436.9	0.0	436.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4035.3	0.0	4035.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	4472.2	0.0	4472.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	2.3
10°-20°	218.2	4.9
20°-30°	294.3	6.6
30°-40°	413.5	9.2
40°-50°	638.6	14.3
50°-60°	1021.2	22.8
60°-70°	1209.2	27.0
70°-80°	534.9	12.0
80°-90°	37.4	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°	4472.2	100.0
0°-180°	4472.2	100.0

Coefficient of Utilization



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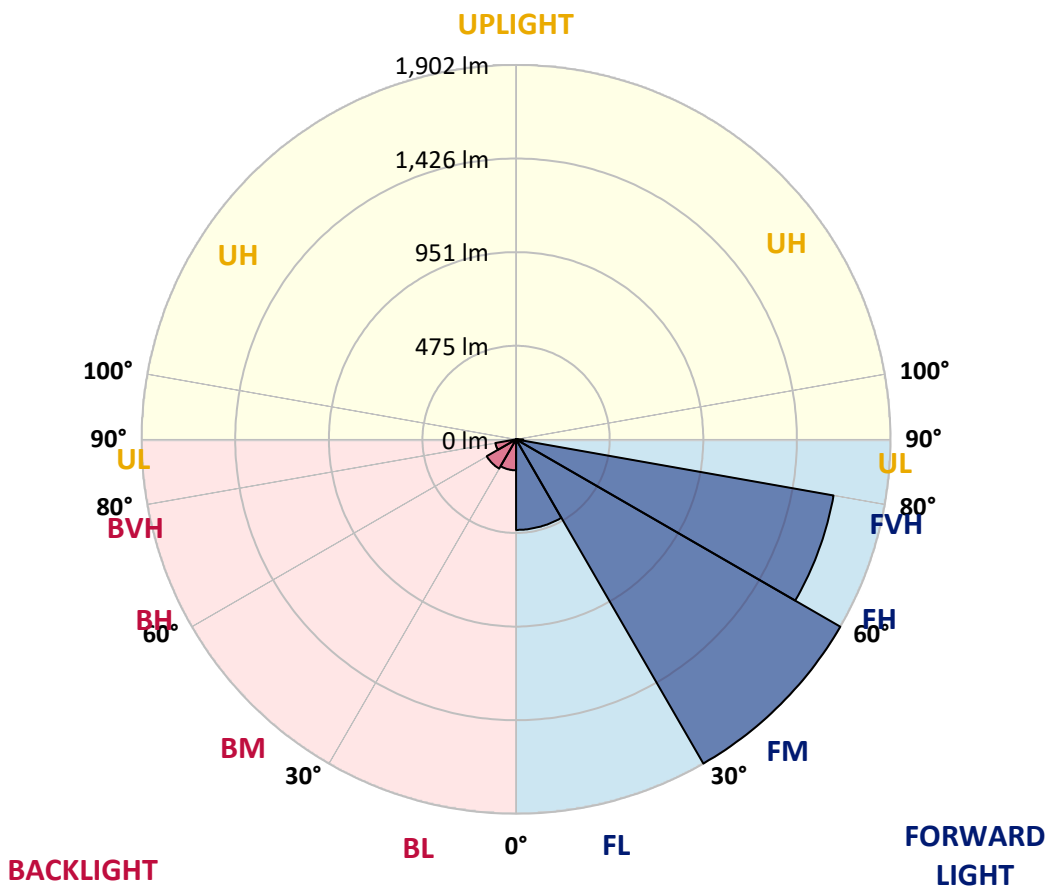
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	460.1	10.3			
FM (30°-60°)	1901.9	42.5			
FH (60°-80°)	1637.5	36.6			G1/1800
FVH (80°-90°)	35.8	0.8			G1/100
BL (0°-30°)	157.2	3.5	B1/500		
BM (30°-60°)	171.4	3.8	B0/220		
BH (60°-80°)	106.7	2.4	B0/110		G0/110
BVH (80°-90°)	1.6	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0
2.5°	1356.9	1359.3	1362.4	1366.4	1365.6	1362.0	1357.7	1347.8	1341.4	1321.7	1297.5
5°	1313.3	1313.0	1320.9	1328.4	1341.8	1349.0	1358.9	1349.8	1346.6	1322.8	1283.7
7.5°	1228.2	1232.6	1241.7	1253.6	1273.0	1294.0	1317.7	1314.9	1324.4	1308.6	1259.9
10°	1144.7	1142.3	1156.6	1174.4	1204.1	1231.0	1265.5	1265.1	1290.0	1288.4	1233.0
12.5°	1071.5	1071.1	1082.2	1102.4	1137.2	1174.8	1221.5	1222.7	1253.6	1266.2	1210.0
15°	1009.7	1010.5	1021.2	1042.2	1078.2	1124.1	1178.4	1188.3	1223.1	1248.8	1187.5
17.5°	965.8	966.2	972.5	990.7	1026.0	1075.1	1140.4	1153.8	1198.6	1235.8	1169.3
20°	945.6	944.0	945.2	954.3	981.6	1026.4	1101.6	1119.0	1176.0	1226.7	1152.6
22.5°	948.4	946.0	940.5	939.3	951.6	985.6	1060.4	1081.8	1151.5	1221.1	1137.6
25°	972.9	967.8	959.9	948.0	943.3	960.3	1024.4	1046.6	1128.5	1221.5	1126.1
27.5°	1010.5	1005.0	995.1	979.3	960.7	953.5	999.9	1020.8	1112.3	1230.6	1120.6
30°	1058.4	1054.1	1044.6	1025.6	1000.6	971.4	994.7	1012.1	1104.4	1249.2	1123.0
32.5°	1115.0	1111.9	1104.0	1086.5	1058.0	1013.3	1012.1	1025.6	1110.7	1276.1	1132.1
35°	1169.7	1170.8	1171.2	1161.7	1131.3	1077.0	1060.0	1064.8	1136.8	1316.5	1152.6
37.5°	1228.6	1225.9	1240.1	1246.8	1217.6	1159.8	1134.0	1134.4	1186.7	1376.3	1191.4
40°	1273.4	1274.2	1305.0	1332.7	1320.5	1264.7	1227.8	1227.5	1263.5	1458.2	1254.0
42.5°	1315.3	1320.5	1366.0	1413.5	1430.5	1381.0	1354.5	1344.6	1371.1	1569.0	1347.8
45°	1360.1	1367.6	1431.3	1499.0	1543.7	1514.4	1493.4	1497.4	1500.6	1698.1	1474.1
47.5°	1412.3	1417.1	1495.8	1591.2	1674.7	1667.2	1668.4	1663.7	1662.1	1860.8	1641.1
50°	1475.6	1486.7	1577.4	1691.4	1805.4	1855.2	1871.9	1873.8	1848.1	2038.1	1814.1
52.5°	1610.2	1623.7	1701.3	1801.0	1947.9	2052.7	2120.4	2107.0	2067.4	2209.9	2003.7
55°	1768.9	1779.2	1854.0	1957.4	2122.0	2269.3	2430.0	2424.4	2327.4	2390.8	2159.6
57.5°	1784.0	1795.5	1911.4	2069.8	2345.7	2536.8	2705.9	2723.7	2581.6	2519.0	2298.9
60°	1615.0	1638.3	1796.6	2009.6	2431.2	2896.6	3008.3	3011.8	2768.0	2649.3	2469.2
62.5°	1294.3	1305.4	1464.9	1742.8	2299.3	3106.4	3470.2	3395.0	3007.5	2850.7	2738.7
65°	678.4	723.6	862.5	1170.1	1864.7	3033.2	4025.9	4005.3	3438.1	3139.3	2948.5
67.5°	465.5	465.1	497.9	610.0	1111.9	2611.7	4298.7	4525.1	3936.1	3238.2	2796.5
70°	354.3	355.5	384.7	457.6	575.9	1738.5	3999.4	4386.5	4028.7	2940.2	2261.7
72.5°	235.1	237.5	286.2	369.7	459.9	852.2	3108.0	3509.8	3389.8	2361.5	1592.0
75°	140.5	142.5	177.3	268.8	408.9	477.0	1974.8	2426.4	2333.4	1627.6	853.4
77.5°	57.8	59.4	91.0	167.4	299.2	370.5	1092.1	1587.7	1397.7	647.2	233.1
80°	24.1	24.9	43.9	117.2	215.7	232.3	505.9	746.1	572.8	139.3	71.2
82.5°	8.7	9.1	16.2	64.5	134.2	175.0	255.3	294.9	161.5	45.5	38.4
85°	0.4	0.4	4.0	21.8	51.1	49.5	146.1	141.3	53.4	19.0	23.0
87.5°	0.0	0.0	0.4	0.4	0.8	2.0	13.9	24.5	11.5	4.7	9.9
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°	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0
2.5°	1281.7	1260.7	1237.7	1216.4	1182.3	1162.1	1137.2	1126.1	1110.3	1106.3	1108.7
5°	1255.6	1219.5	1164.5	1114.6	1050.1	998.3	946.0	923.9	895.4	876.4	868.4
7.5°	1218.7	1171.6	1085.7	995.1	906.4	811.8	739.8	692.3	649.2	625.4	620.7
10°	1181.5	1120.2	997.1	867.3	729.9	616.7	519.3	447.3	388.7	362.2	341.6
12.5°	1143.1	1066.7	906.8	737.4	577.9	423.5	303.2	233.1	191.2	174.6	177.3
15°	1107.9	1015.3	817.4	607.6	406.9	255.7	167.4	141.3	131.4	128.2	127.9
17.5°	1074.3	966.6	728.3	481.3	268.4	156.7	128.2	121.9	119.1	117.6	117.6
20°	1043.8	919.9	641.2	362.6	173.4	124.3	116.0	112.8	110.4	109.2	109.2
22.5°	1015.3	874.8	556.1	256.5	127.9	111.6	106.5	103.3	100.5	99.0	99.0
25°	989.6	834.0	475.0	176.5	110.0	102.1	96.6	93.0	88.3	85.5	85.5
27.5°	971.0	797.6	397.0	128.6	99.4	91.8	85.5	80.7	75.6	72.4	71.6
30°	959.9	766.7	318.2	105.7	89.5	81.9	74.8	68.9	62.9	59.8	59.4
32.5°	953.5	738.2	246.2	92.2	81.1	72.4	64.5	58.2	52.2	48.7	48.3
35°	955.9	716.0	184.5	83.1	73.2	64.1	55.4	49.1	43.9	40.8	40.0
37.5°	976.5	706.2	138.5	76.0	66.5	57.0	47.9	42.0	37.2	34.8	34.4
40°	1016.5	708.1	108.9	70.5	61.0	49.9	41.2	35.6	32.1	30.1	29.7
42.5°	1078.6	724.8	89.9	65.7	55.0	43.5	35.6	31.3	27.7	25.7	25.3
45°	1171.2	759.2	78.4	60.2	48.7	37.6	30.9	26.9	23.7	21.4	21.0
47.5°	1305.4	819.0	70.9	55.0	43.1	32.5	26.5	22.6	19.8	17.8	17.4
50°	1448.3	890.6	64.5	49.9	38.4	28.1	22.6	18.6	16.2	14.2	13.9
52.5°	1600.7	967.8	59.8	45.1	34.0	24.1	19.0	15.4	13.1	11.1	10.7
55°	1747.2	1045.4	54.2	42.0	28.9	20.6	15.8	12.7	10.3	8.7	8.7
57.5°	1889.7	1116.6	48.3	36.8	23.7	17.4	13.1	10.3	8.3	7.1	6.7
60°	2059.9	1215.2	41.6	31.3	19.8	14.6	10.7	8.3	6.7	5.5	5.5
62.5°	2312.8	1317.7	35.6	26.1	16.6	12.3	8.7	6.7	5.5	4.7	4.4
65°	2395.5	1262.3	30.1	21.4	13.5	9.9	7.1	5.9	4.7	4.4	4.0
67.5°	2174.7	1034.7	24.9	17.4	11.1	8.3	6.3	5.1	4.4	4.0	3.6
70°	1696.9	734.3	19.4	13.1	9.1	6.7	5.5	4.7	4.0	3.6	3.6
72.5°	1154.2	434.2	15.4	9.9	7.5	5.9	4.7	4.4	4.0	3.6	3.2
75°	568.4	154.4	11.9	7.5	5.9	5.1	4.4	4.0	3.6	3.2	3.2
77.5°	153.2	42.7	9.1	5.9	4.7	4.0	4.0	4.0	3.6	2.8	2.8
80°	51.9	17.8	6.7	4.4	4.0	3.2	2.8	3.6	3.2	2.8	2.4
82.5°	28.5	8.7	4.7	3.6	2.8	2.4	2.4	2.4	2.4	2.0	2.0
85°	18.2	4.7	3.2	2.8	2.8	2.0	1.6	1.6	1.2	1.2	1.2
87.5°	8.3	2.8	2.8	2.4	2.4	2.0	1.2	0.8	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)