

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: P632040

Luminaire Tested: GWS-SA2B-830-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632040
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-SA2B-830-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4440.2 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

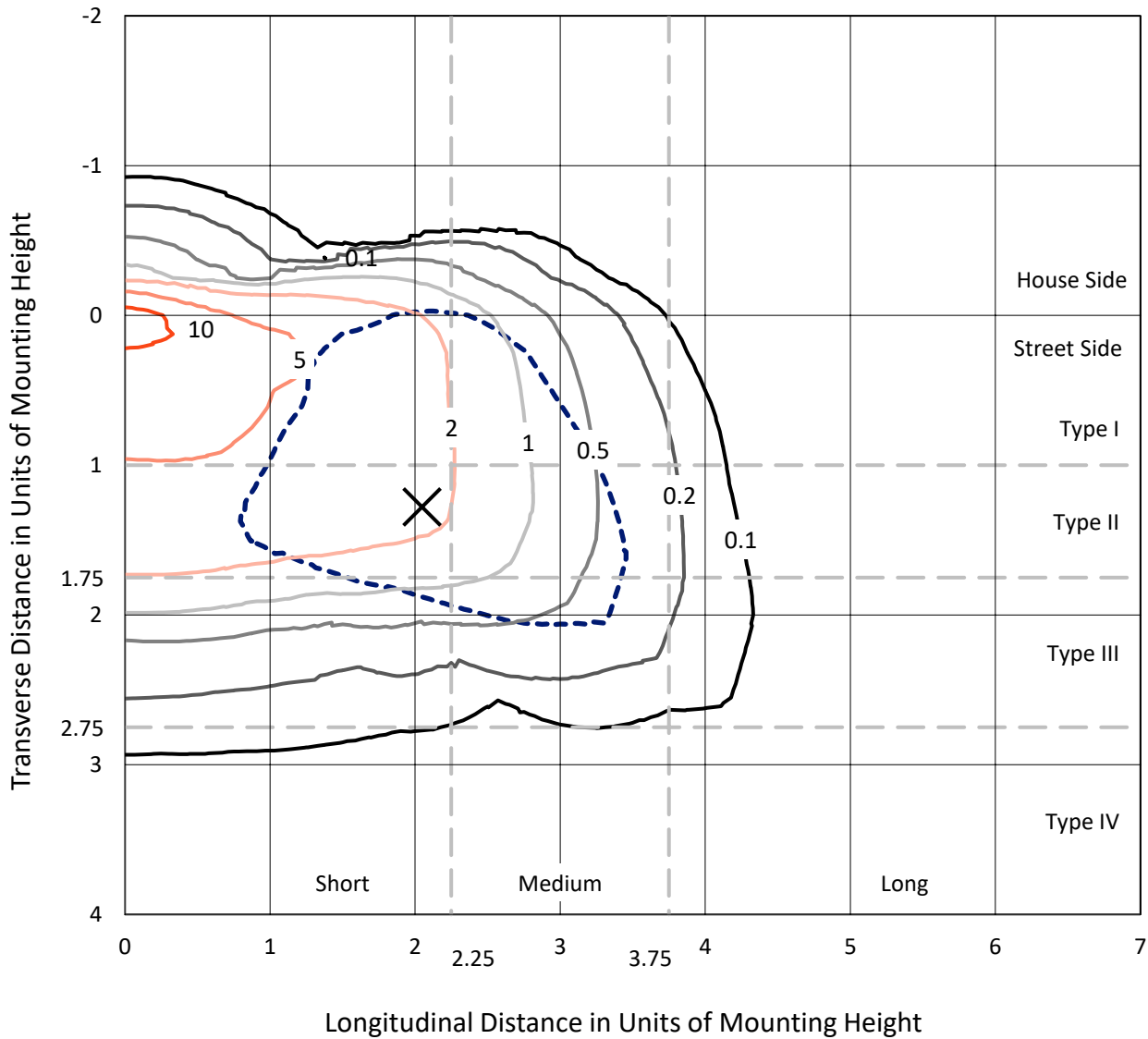
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

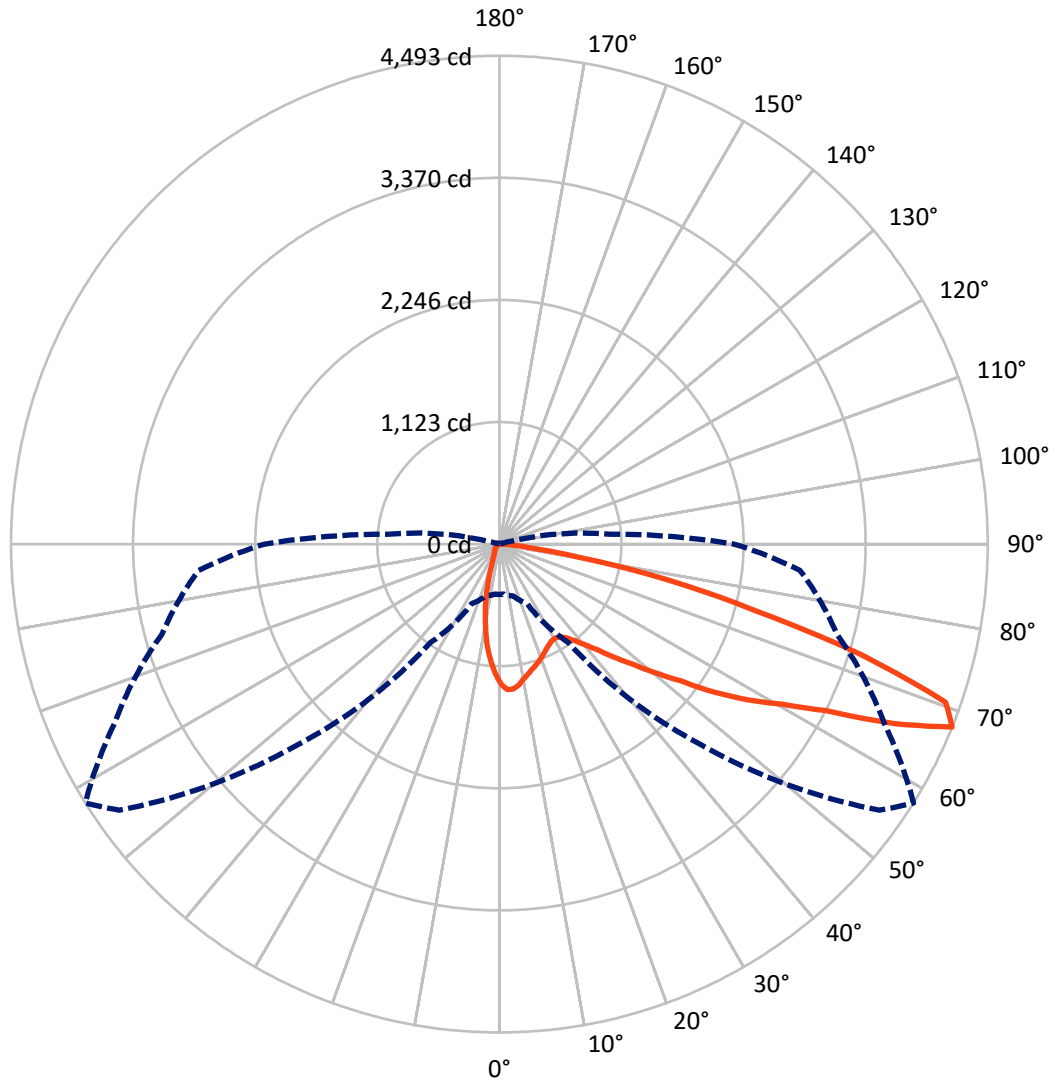
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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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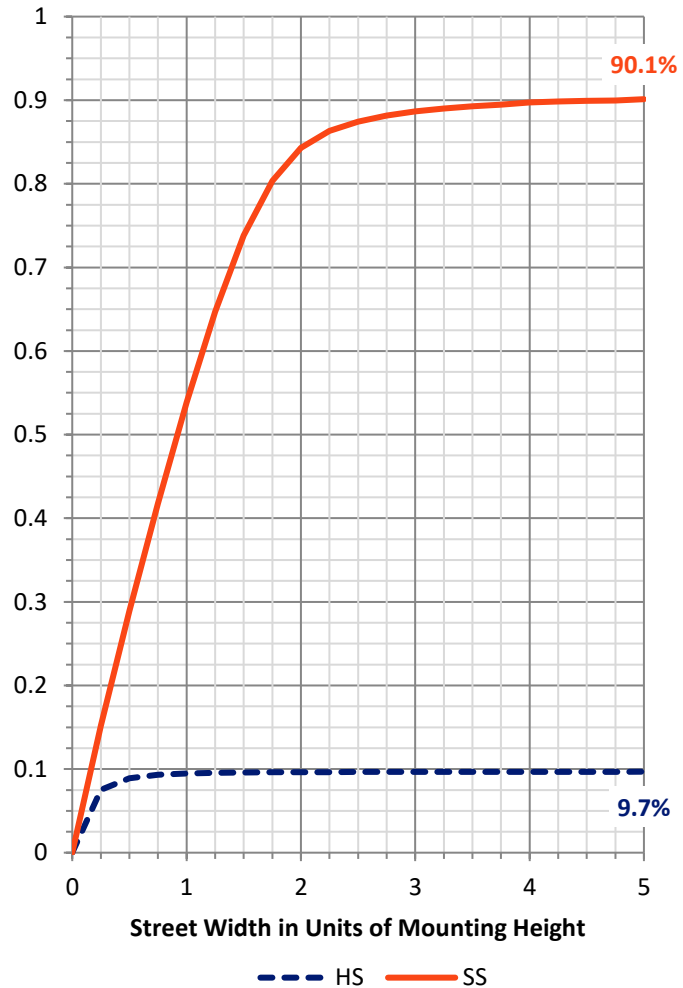
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	433.8	0.0	433.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4006.4	0.0	4006.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	4440.2	0.0	4440.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	2.3
10°-20°	216.6	4.9
20°-30°	292.2	6.6
30°-40°	410.5	9.2
40°-50°	634.0	14.3
50°-60°	1013.9	22.8
60°-70°	1200.6	27.0
70°-80°	531.1	12.0
80°-90°	37.1	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°	4440.2	100.0
0°-180°	4440.2	100.0

Coefficient of Utilization



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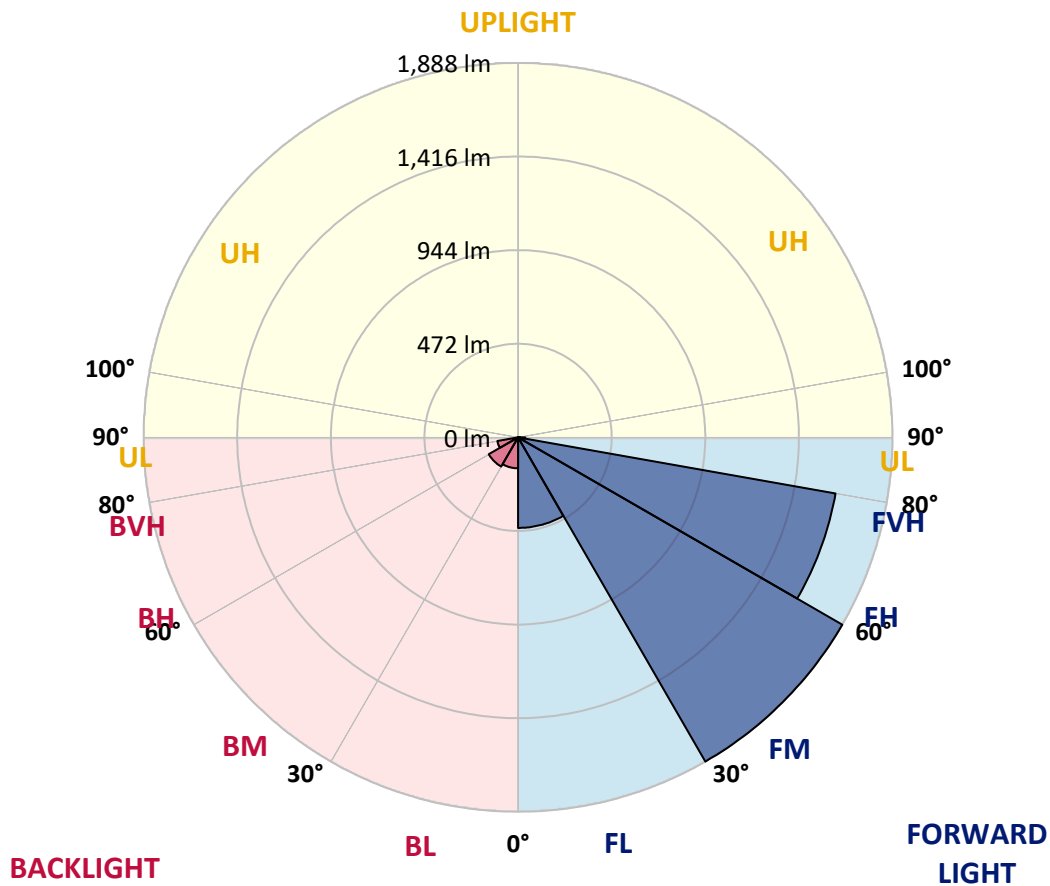
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.8	10.3			
FM (30°-60°)	1888.3	42.5			
FH (60°-80°)	1625.8	36.6			G1/1800
FVH (80°-90°)	35.5	0.8			G1/100
BL (0°-30°)	156.1	3.5	B1/500		
BM (30°-60°)	170.2	3.8	B0/220		
BH (60°-80°)	105.9	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°	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8
2.5°	1347.2	1349.5	1352.7	1356.6	1355.8	1352.3	1348.0	1338.1	1331.9	1312.2	1288.2
5°	1303.9	1303.6	1311.4	1318.9	1332.2	1339.3	1349.1	1340.1	1337.0	1313.4	1274.5
7.5°	1219.5	1223.8	1232.8	1244.6	1263.9	1284.7	1308.3	1305.5	1315.0	1299.2	1250.9
10°	1136.5	1134.2	1148.3	1166.0	1195.5	1222.2	1256.4	1256.0	1280.8	1279.2	1224.2
12.5°	1063.8	1063.4	1074.4	1094.5	1129.1	1166.4	1212.8	1214.0	1244.6	1257.2	1201.4
15°	1002.5	1003.3	1013.9	1034.7	1070.5	1116.1	1169.9	1179.8	1214.3	1239.9	1179.0
17.5°	958.9	959.3	965.6	983.7	1018.6	1067.4	1132.2	1145.6	1190.0	1226.9	1160.9
20°	938.9	937.3	938.5	947.5	974.6	1019.0	1093.7	1111.0	1167.6	1217.9	1144.4
22.5°	941.6	939.3	933.7	932.6	944.8	978.6	1052.8	1074.0	1143.2	1212.4	1129.5
25°	966.0	960.9	953.0	941.2	936.5	953.4	1017.1	1039.1	1120.4	1212.8	1118.1
27.5°	1003.3	997.8	988.0	972.3	953.8	946.7	992.7	1013.5	1104.3	1221.8	1112.6
30°	1050.9	1046.5	1037.1	1018.2	993.5	964.4	987.6	1004.9	1096.4	1240.3	1114.9
32.5°	1107.1	1103.9	1096.1	1078.8	1050.5	1006.1	1004.9	1018.2	1102.7	1267.0	1124.0
35°	1161.3	1162.5	1162.9	1153.4	1123.2	1069.3	1052.4	1057.1	1128.7	1307.1	1144.4
37.5°	1219.8	1217.1	1231.2	1237.9	1208.8	1151.5	1125.9	1126.3	1178.2	1366.4	1182.9
40°	1264.3	1265.0	1295.7	1323.2	1311.0	1255.6	1219.1	1218.7	1254.4	1447.8	1245.0
42.5°	1305.9	1311.0	1356.2	1403.4	1420.3	1371.2	1344.8	1335.0	1361.3	1557.8	1338.1
45°	1350.3	1357.8	1421.1	1488.3	1532.7	1503.6	1482.8	1486.7	1489.8	1685.9	1463.5
47.5°	1402.2	1406.9	1485.1	1579.8	1662.8	1655.3	1656.5	1651.7	1650.2	1847.5	1629.3
50°	1465.1	1476.1	1566.1	1679.3	1792.4	1842.0	1858.5	1860.4	1834.9	2023.5	1801.1
52.5°	1598.7	1612.1	1689.1	1788.1	1933.9	2038.1	2105.3	2091.9	2052.6	2194.1	1989.3
55°	1756.3	1766.5	1840.8	1943.3	2106.8	2253.0	2412.6	2407.1	2310.8	2373.7	2144.2
57.5°	1771.2	1782.6	1897.8	2055.0	2328.9	2518.7	2686.5	2704.2	2563.1	2501.0	2282.5
60°	1603.4	1626.6	1783.8	1995.2	2413.8	2875.9	2986.7	2990.3	2748.2	2630.3	2451.5
62.5°	1285.1	1296.1	1454.5	1730.3	2282.9	3084.2	3445.4	3370.7	2986.0	2830.3	2719.1
65°	673.6	718.4	856.3	1161.7	1851.4	3011.5	3997.1	3976.7	3413.5	3116.8	2927.4
67.5°	462.2	461.8	494.4	605.6	1103.9	2593.0	4267.9	4492.7	3907.9	3215.1	2776.5
70°	351.7	352.9	382.0	454.3	571.8	1726.0	3970.8	4355.1	3999.9	2919.1	2245.6
72.5°	233.4	235.8	284.1	367.1	456.7	846.1	3085.8	3484.7	3365.6	2344.6	1580.6
75°	139.5	141.5	176.1	266.8	406.0	473.6	1960.6	2409.0	2316.7	1616.0	847.3
77.5°	57.4	58.9	90.4	166.2	297.1	367.8	1084.3	1576.3	1387.7	642.5	231.5
80°	24.0	24.8	43.6	116.3	214.2	230.7	502.2	740.8	568.7	138.3	70.7
82.5°	8.6	9.0	16.1	64.1	133.2	173.7	253.5	292.8	160.3	45.2	38.1
85°	0.4	0.4	3.9	21.6	50.7	49.1	145.0	140.3	53.1	18.9	22.8
87.5°	0.0	0.0	0.4	0.4	0.8	2.0	13.8	24.4	11.4	4.7	9.8
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°	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8
2.5°	1272.5	1251.7	1228.9	1207.7	1173.9	1153.8	1129.1	1118.1	1102.3	1098.4	1100.8
5°	1246.6	1210.8	1156.2	1106.7	1042.6	991.1	939.3	917.2	888.9	870.1	862.2
7.5°	1210.0	1163.3	1078.0	988.0	900.0	806.0	734.5	687.3	644.5	620.9	616.2
10°	1173.1	1112.2	989.9	861.0	724.7	612.3	515.6	444.1	385.9	359.6	339.2
12.5°	1135.0	1059.1	900.3	732.1	573.8	420.5	301.0	231.5	189.8	173.3	176.1
15°	1100.0	1008.0	811.5	603.2	404.0	253.9	166.2	140.3	130.5	127.3	126.9
17.5°	1066.6	959.7	723.1	477.9	266.4	155.6	127.3	121.0	118.3	116.7	116.7
20°	1036.3	913.3	636.6	360.0	172.1	123.4	115.1	112.0	109.6	108.5	108.5
22.5°	1008.0	868.5	552.2	254.7	126.9	110.8	105.7	102.6	99.8	98.2	98.2
25°	982.5	828.0	471.6	175.3	109.3	101.4	95.9	92.4	87.6	84.9	84.9
27.5°	964.0	791.9	394.2	127.7	98.6	91.2	84.9	80.2	75.1	71.9	71.1
30°	953.0	761.2	316.0	104.9	88.8	81.3	74.3	68.4	62.5	59.3	58.9
32.5°	946.7	732.9	244.4	91.6	80.6	71.9	64.1	57.8	51.9	48.3	47.9
35°	949.1	710.9	183.1	82.5	72.7	63.7	55.0	48.7	43.6	40.5	39.7
37.5°	969.5	701.1	137.5	75.5	66.0	56.6	47.6	41.7	36.9	34.6	34.2
40°	1009.2	703.1	108.1	70.0	60.5	49.5	40.9	35.4	31.8	29.9	29.5
42.5°	1070.9	719.6	89.2	65.2	54.6	43.2	35.4	31.0	27.5	25.5	25.2
45°	1162.9	753.8	77.8	59.7	48.3	37.3	30.7	26.7	23.6	21.2	20.8
47.5°	1296.1	813.1	70.3	54.6	42.8	32.2	26.3	22.4	19.6	17.7	17.3
50°	1438.0	884.2	64.1	49.5	38.1	27.9	22.4	18.5	16.1	14.1	13.8
52.5°	1589.3	960.9	59.3	44.8	33.8	24.0	18.9	15.3	13.0	11.0	10.6
55°	1734.7	1037.9	53.8	41.7	28.7	20.4	15.7	12.6	10.2	8.6	8.6
57.5°	1876.1	1108.6	47.9	36.5	23.6	17.3	13.0	10.2	8.3	7.1	6.7
60°	2045.1	1206.5	41.3	31.0	19.6	14.5	10.6	8.3	6.7	5.5	5.5
62.5°	2296.3	1308.3	35.4	25.9	16.5	12.2	8.6	6.7	5.5	4.7	4.3
65°	2378.4	1253.3	29.9	21.2	13.4	9.8	7.1	5.9	4.7	4.3	3.9
67.5°	2159.1	1027.3	24.8	17.3	11.0	8.3	6.3	5.1	4.3	3.9	3.5
70°	1684.8	729.0	19.3	13.0	9.0	6.7	5.5	4.7	3.9	3.5	3.5
72.5°	1146.0	431.1	15.3	9.8	7.5	5.9	4.7	4.3	3.9	3.5	3.1
75°	564.3	153.3	11.8	7.5	5.9	5.1	4.3	3.9	3.5	3.1	3.1
77.5°	152.1	42.4	9.0	5.9	4.7	3.9	3.9	3.9	3.5	2.8	2.8
80°	51.5	17.7	6.7	4.3	3.9	3.1	2.8	3.5	3.1	2.8	2.4
82.5°	28.3	8.6	4.7	3.5	2.8	2.4	2.4	2.4	2.4	2.0	2.0
85°	18.1	4.7	3.1	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)