

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: P631926

Luminaire Tested: GWS-SA2B-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5519.4 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

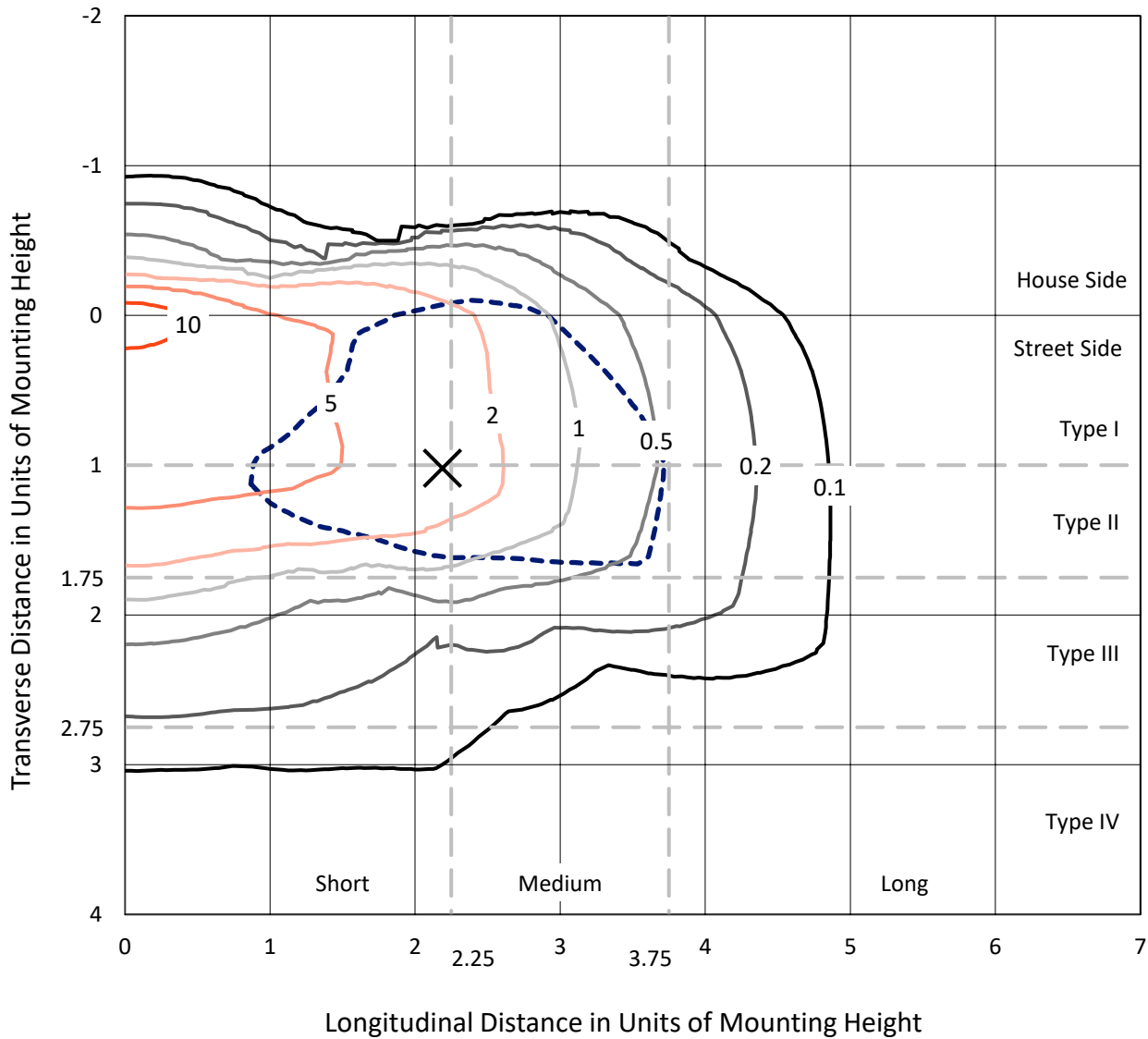
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

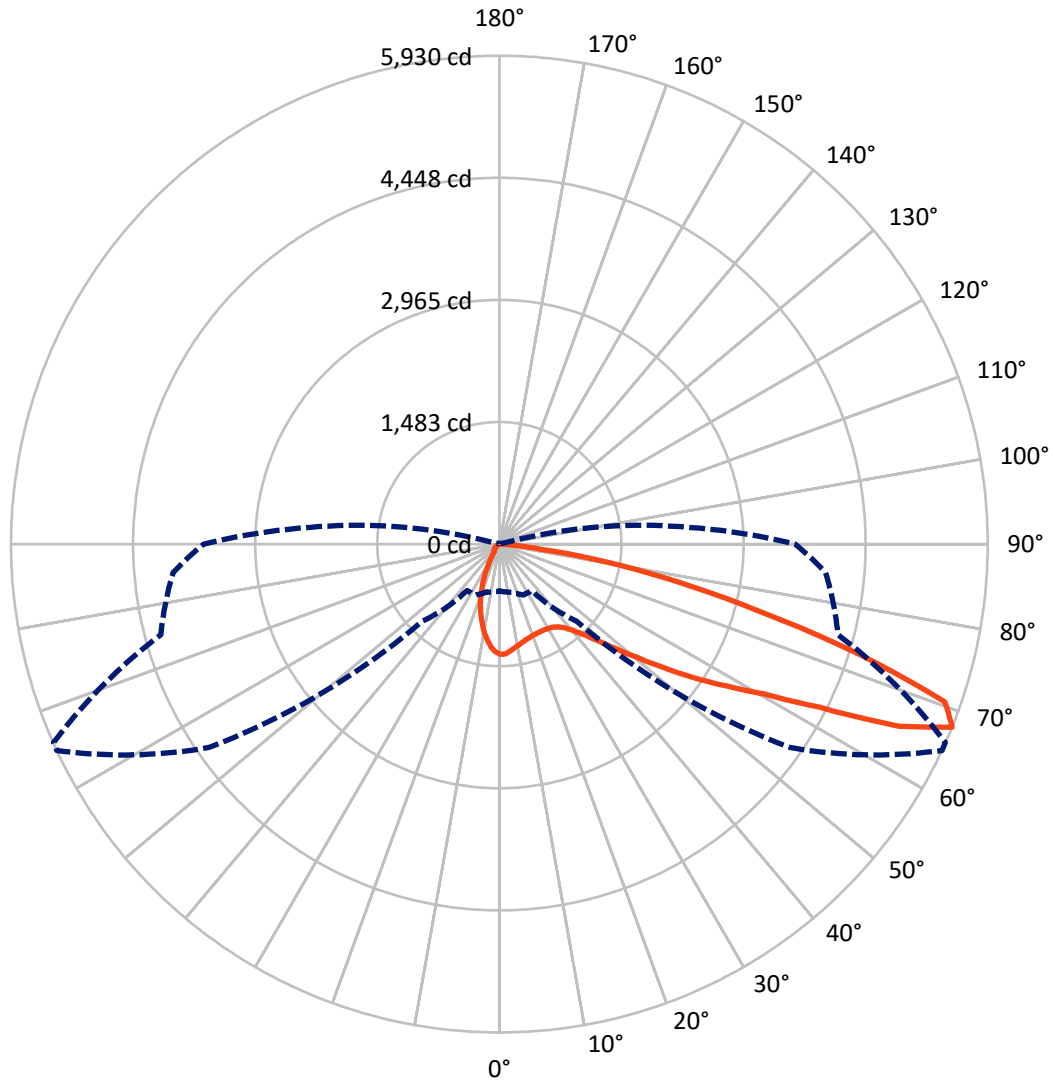
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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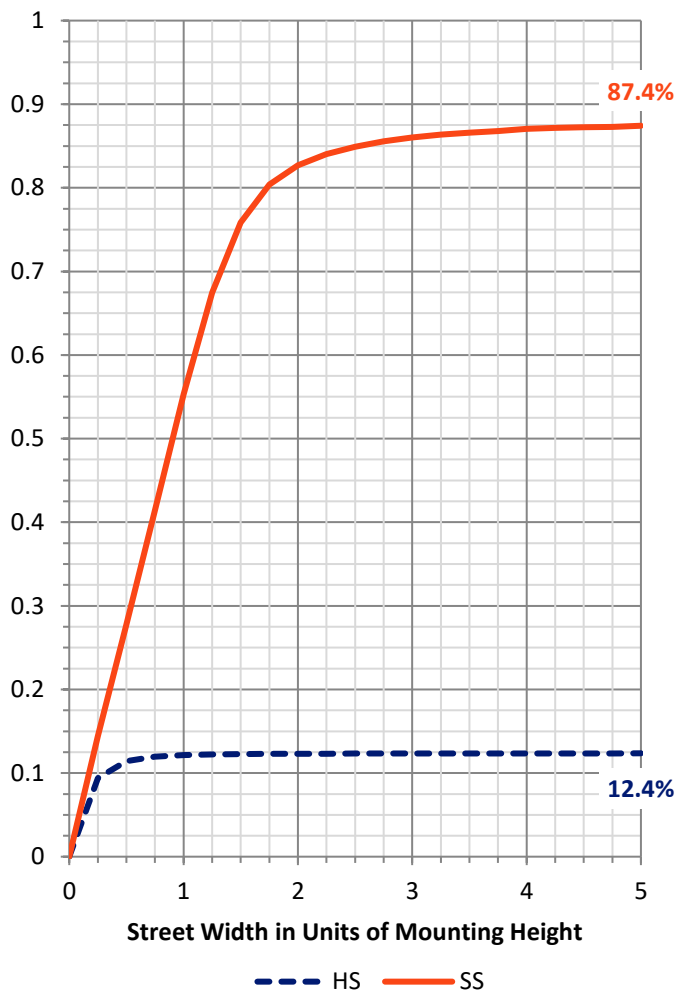
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	689.2	0.0	689.2
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	4830.2	0.0	4830.2
	% Fixture	87.5	0.0	87.5
Total	Lumens	5519.4	0.0	5519.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	2.0
10°-20°	249.9	4.5
20°-30°	357.1	6.5
30°-40°	519.6	9.4
40°-50°	813.7	14.7
50°-60°	1269.5	23.0
60°-70°	1394.5	25.3
70°-80°	742.1	13.4
80°-90°	61.8	1.1
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°	5519.4	100.0
0°-180°	5519.4	100.0

Coefficient of Utilization

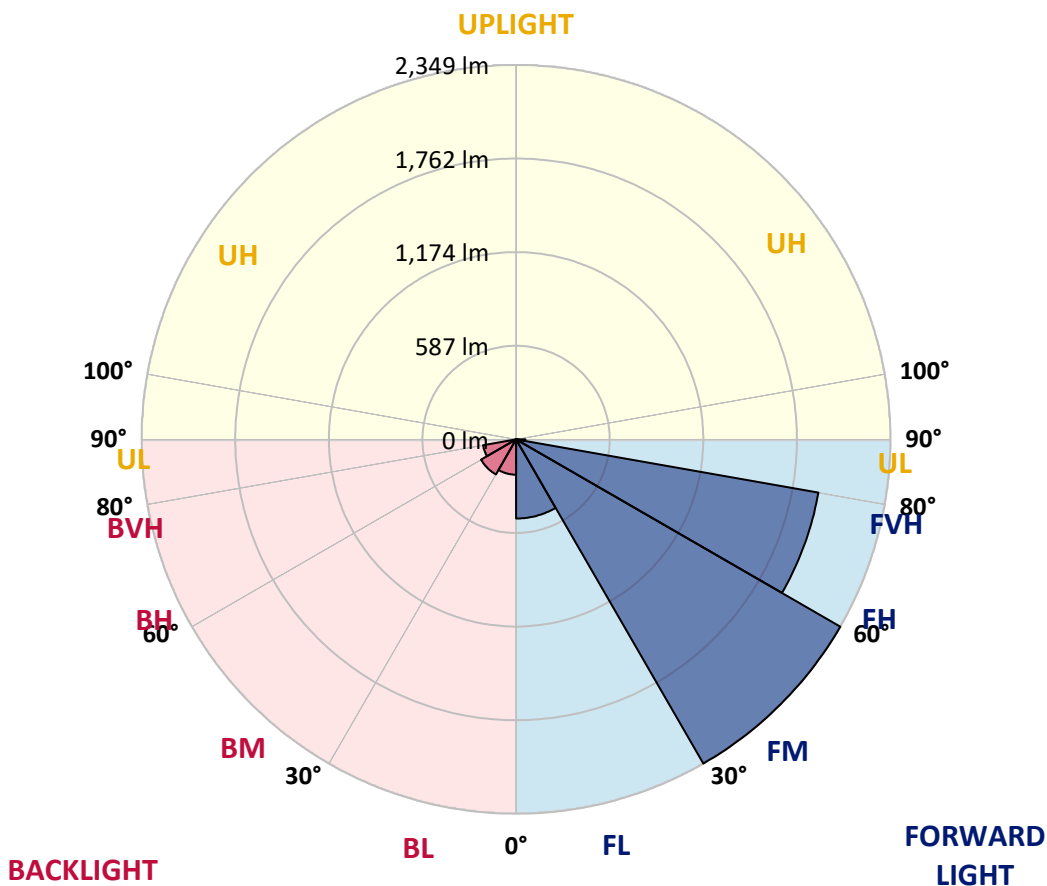


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.7	9.0			
FM (30°-60°)	2348.9	42.6			
FH (60°-80°)	1926.1	34.9			G2/5000
FVH (80°-90°)	58.5	1.1			G1/100
BL (0°-30°)	221.5	4.0	B1/500		
BM (30°-60°)	253.9	4.6	B1/1000		
BH (60°-80°)	210.5	3.8	B1/500		G1/500
BVH (80°-90°)	3.3	0.1			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6
2.5°	1292.2	1296.2	1290.7	1304.2	1306.7	1321.7	1330.1	1336.1	1335.6	1343.1	1343.1
5°	1216.3	1220.3	1217.3	1231.8	1243.3	1266.8	1286.2	1308.7	1309.7	1332.6	1341.1
7.5°	1152.0	1152.5	1152.5	1170.4	1185.4	1214.3	1243.3	1277.7	1281.7	1317.2	1339.6
10°	1099.1	1100.6	1101.0	1121.5	1138.0	1172.9	1209.9	1251.3	1255.8	1303.7	1338.6
12.5°	1062.6	1063.1	1065.1	1086.6	1104.5	1141.0	1178.4	1225.8	1231.8	1288.2	1334.1
15°	1045.1	1044.2	1045.1	1063.1	1081.1	1116.0	1154.5	1205.4	1211.9	1275.2	1334.6
17.5°	1044.2	1042.7	1041.7	1055.1	1066.6	1097.6	1136.5	1191.9	1198.9	1269.3	1340.1
20°	1058.6	1057.6	1052.6	1058.6	1061.1	1086.6	1125.0	1181.4	1188.4	1268.3	1352.1
22.5°	1096.6	1094.1	1086.6	1081.1	1067.6	1082.6	1117.0	1173.9	1181.9	1270.7	1367.6
25°	1153.0	1152.0	1142.5	1129.0	1094.6	1088.6	1117.5	1173.9	1181.4	1273.7	1384.0
27.5°	1237.8	1231.8	1219.8	1196.4	1147.0	1112.0	1127.5	1176.9	1184.4	1277.7	1397.5
30°	1324.2	1323.7	1319.7	1295.7	1222.3	1157.0	1148.5	1184.9	1191.9	1281.2	1410.0
32.5°	1413.5	1415.0	1425.0	1406.5	1326.2	1223.8	1186.4	1201.4	1206.4	1288.2	1421.0
35°	1498.3	1501.3	1527.8	1534.3	1452.4	1325.2	1248.3	1234.3	1234.8	1303.7	1435.5
37.5°	1579.7	1589.7	1632.1	1663.6	1609.6	1447.9	1337.6	1290.2	1286.2	1334.6	1457.4
40°	1672.0	1691.0	1744.4	1797.8	1780.8	1610.1	1459.4	1376.1	1367.6	1391.5	1496.8
42.5°	1774.4	1794.8	1865.7	1940.6	1948.5	1806.3	1611.6	1501.3	1486.9	1487.4	1570.7
45°	1884.2	1911.6	1994.0	2101.8	2150.2	2024.9	1799.3	1670.5	1656.1	1634.6	1689.5
47.5°	2028.4	2052.4	2131.7	2256.0	2348.8	2259.5	2045.4	1888.2	1861.7	1830.3	1874.2
50°	2152.7	2173.6	2242.0	2397.8	2590.9	2562.0	2324.4	2160.2	2134.7	2081.3	2117.7
52.5°	2180.1	2196.6	2259.5	2434.7	2776.1	2943.8	2666.3	2489.1	2471.1	2372.3	2386.3
55°	2056.9	2081.8	2138.2	2332.9	2824.5	3317.1	3110.0	2859.9	2822.5	2664.8	2689.7
57.5°	1745.4	1789.8	1842.7	2095.8	2693.2	3515.8	3729.9	3252.7	3218.8	2946.3	2946.8
60°	1279.2	1315.2	1350.6	1582.2	2381.8	3502.3	4292.4	3694.0	3632.1	3176.4	3167.9
62.5°	930.4	948.8	948.3	1030.7	1635.6	3271.7	4587.9	4358.8	4214.5	3422.4	3374.0
65°	731.7	731.2	752.7	779.6	913.4	2525.5	4624.3	5329.6	5173.8	3752.4	3651.5
67.5°	569.5	580.5	601.9	681.3	686.3	1321.7	4303.9	5930.0	5927.0	4256.0	3976.5
70°	439.2	454.2	484.6	600.4	633.9	739.7	3220.3	5739.8	5788.2	4481.1	3746.4
72.5°	282.0	281.0	325.9	485.1	608.9	616.4	1780.8	4559.4	4614.3	4058.8	3029.1
75°	157.7	158.7	184.2	297.0	567.5	580.0	881.9	3251.2	3294.7	3164.4	2327.4
77.5°	61.9	63.9	86.3	156.2	374.3	518.1	524.1	2217.1	2223.6	1961.0	1427.5
80°	25.0	26.5	43.9	96.8	228.1	348.9	374.3	1306.2	1279.7	759.2	415.3
82.5°	7.5	8.0	17.5	54.9	119.3	248.1	252.6	501.1	473.2	163.2	105.8
85°	0.5	0.5	4.0	17.0	42.4	62.4	168.2	163.2	144.7	40.9	46.9
87.5°	0.0	0.0	0.5	0.5	1.0	2.0	18.0	29.9	30.4	7.5	21.0
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°	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6
2.5°	1343.1	1325.2	1323.7	1309.7	1295.7	1278.2	1257.8	1242.8	1232.3	1213.8	1210.4
5°	1341.1	1317.2	1294.7	1254.8	1210.4	1162.4	1120.5	1081.6	1057.1	1040.7	1033.7
7.5°	1337.1	1306.7	1254.8	1179.4	1105.0	1021.2	955.8	895.9	855.0	831.0	820.5
10°	1334.1	1293.2	1208.9	1094.6	979.3	863.5	764.1	675.3	625.9	587.0	580.5
12.5°	1328.1	1273.7	1150.0	995.2	846.5	692.8	566.0	457.2	381.8	347.9	335.9
15°	1322.2	1253.3	1091.1	890.4	701.8	512.1	358.4	253.6	201.6	185.7	184.7
17.5°	1321.2	1234.8	1027.2	791.1	550.0	335.4	204.1	164.2	153.2	149.2	149.2
20°	1324.2	1219.3	964.3	676.8	400.8	204.1	152.2	142.2	135.8	132.3	132.3
22.5°	1327.1	1203.4	903.9	561.5	266.0	149.2	134.3	125.8	118.3	114.3	112.3
25°	1329.1	1185.9	837.0	445.7	173.7	129.8	117.8	106.8	97.8	92.8	92.8
27.5°	1328.6	1164.9	769.6	332.4	134.8	115.3	100.8	89.3	80.4	74.9	75.4
30°	1324.7	1142.0	699.8	232.1	117.8	100.8	86.3	74.4	65.4	60.9	60.4
32.5°	1321.7	1117.5	618.9	163.2	105.8	88.3	73.4	61.9	54.4	50.9	50.4
35°	1318.2	1093.6	542.0	124.3	95.3	76.4	61.9	52.4	46.4	43.4	43.4
37.5°	1319.2	1068.6	458.7	106.8	84.8	66.4	52.9	44.9	39.9	36.9	36.4
40°	1334.6	1053.6	376.8	96.8	75.4	57.4	45.9	38.9	33.9	30.9	30.4
42.5°	1373.1	1054.1	298.5	89.3	66.9	48.9	39.9	33.4	28.9	25.5	25.0
45°	1449.9	1075.1	229.1	81.4	57.9	42.4	34.4	28.4	24.0	21.0	20.5
47.5°	1575.7	1137.5	173.7	74.4	50.4	36.9	29.4	24.0	20.0	17.5	17.0
50°	1775.9	1250.3	136.8	65.9	42.4	31.9	25.0	20.0	16.5	14.0	13.5
52.5°	2016.4	1419.5	117.3	58.4	36.4	28.0	21.5	16.5	13.5	11.5	11.0
55°	2292.9	1621.6	108.3	50.9	30.9	24.0	17.5	13.5	11.0	9.5	8.5
57.5°	2546.5	1803.8	107.8	43.4	26.5	20.5	14.5	11.5	9.5	7.5	7.0
60°	2793.6	1956.0	101.3	35.9	23.0	17.0	12.5	9.5	8.0	6.5	6.0
62.5°	3017.7	2079.8	84.8	28.9	19.5	14.0	10.5	8.5	7.0	5.5	5.5
65°	3299.2	2237.5	64.9	23.5	16.0	11.5	9.0	7.5	6.5	5.0	5.0
67.5°	3590.1	2320.9	46.4	19.5	13.0	10.0	8.0	7.0	5.5	4.5	4.5
70°	3251.7	1961.0	33.4	16.0	11.0	8.5	7.0	6.5	5.5	4.5	4.0
72.5°	2539.5	1414.0	25.0	12.5	9.5	8.0	6.5	6.0	5.0	4.0	4.0
75°	1883.2	824.5	19.0	10.0	7.5	6.5	6.5	6.0	5.0	4.0	3.5
77.5°	1023.7	287.5	14.5	8.0	6.0	5.0	5.5	5.5	4.5	3.5	3.0
80°	271.0	78.9	10.0	6.0	5.0	4.0	4.0	5.0	4.0	3.0	3.0
82.5°	78.9	23.0	7.0	5.0	4.0	3.5	3.5	3.5	3.0	2.5	2.0
85°	38.4	8.5	5.0	4.0	3.5	3.0	2.5	2.5	2.0	1.5	1.5
87.5°	17.0	3.5	4.0	3.5	3.5	2.5	2.0	1.5	1.5	1.0	0.5
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)