

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: P630442

Luminaire Tested: GWS-SA1D-760-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-760-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

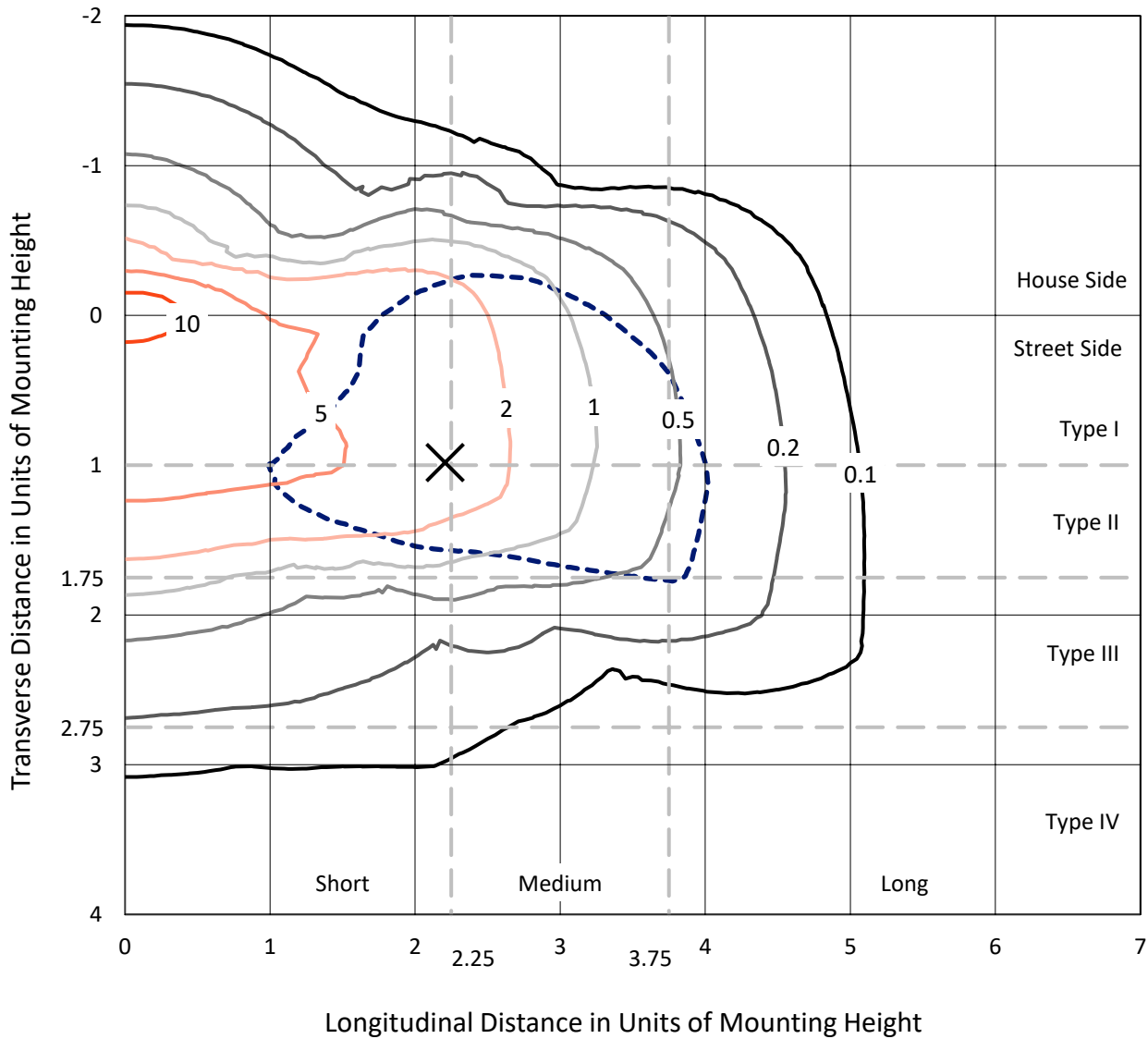
Lumens per Lamp: N/A  
Luminaire Lumens: 6011.8 lumens  
Efficiency: N/A  
Efficacy: 135.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

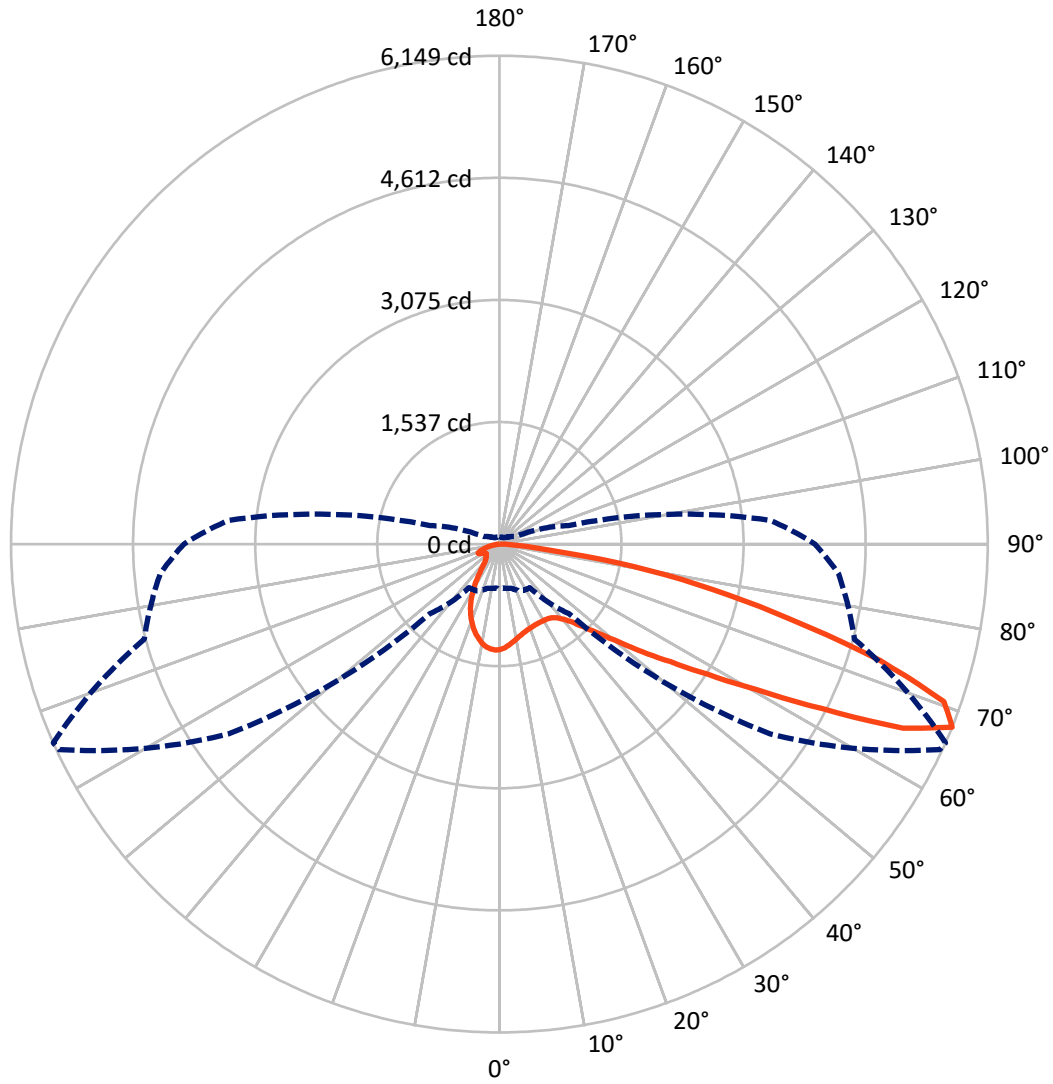
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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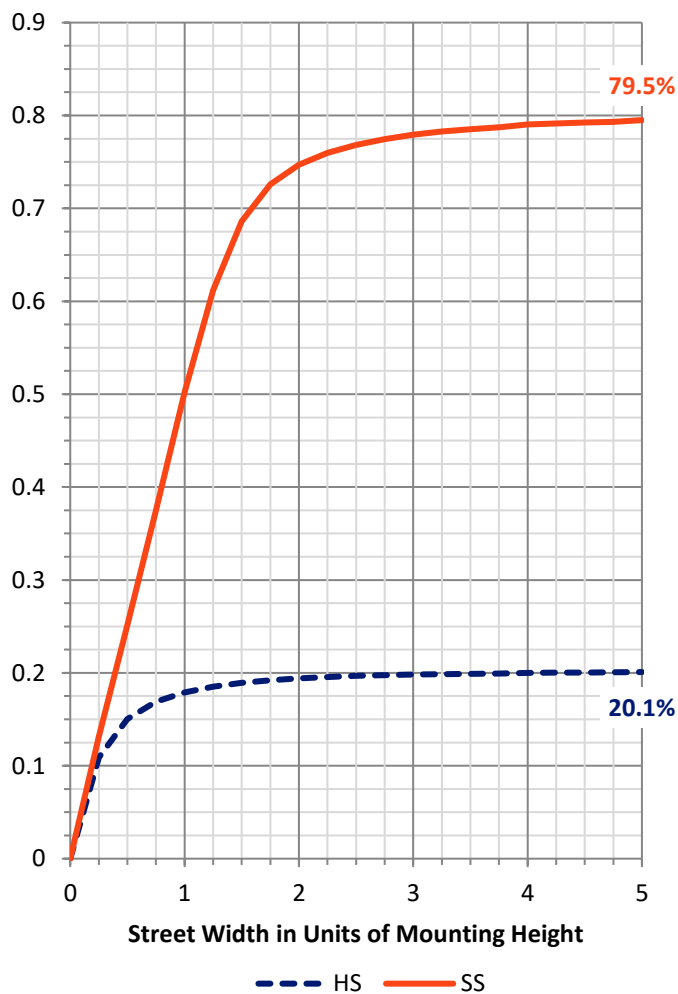
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1219.9	0.0	1219.9
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	4791.9	0.0	4791.9
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	6011.8	0.0	6011.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.6	1.9
10°-20°	286.5	4.8
20°-30°	393.8	6.6
30°-40°	538.4	9.0
40°-50°	815.9	13.6
50°-60°	1268.3	21.1
60°-70°	1544.1	25.7
70°-80°	940.6	15.6
80°-90°	107.4	1.8
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°	6011.8	100.0
0°-180°	6011.8	100.0

**Coefficient of Utilization**



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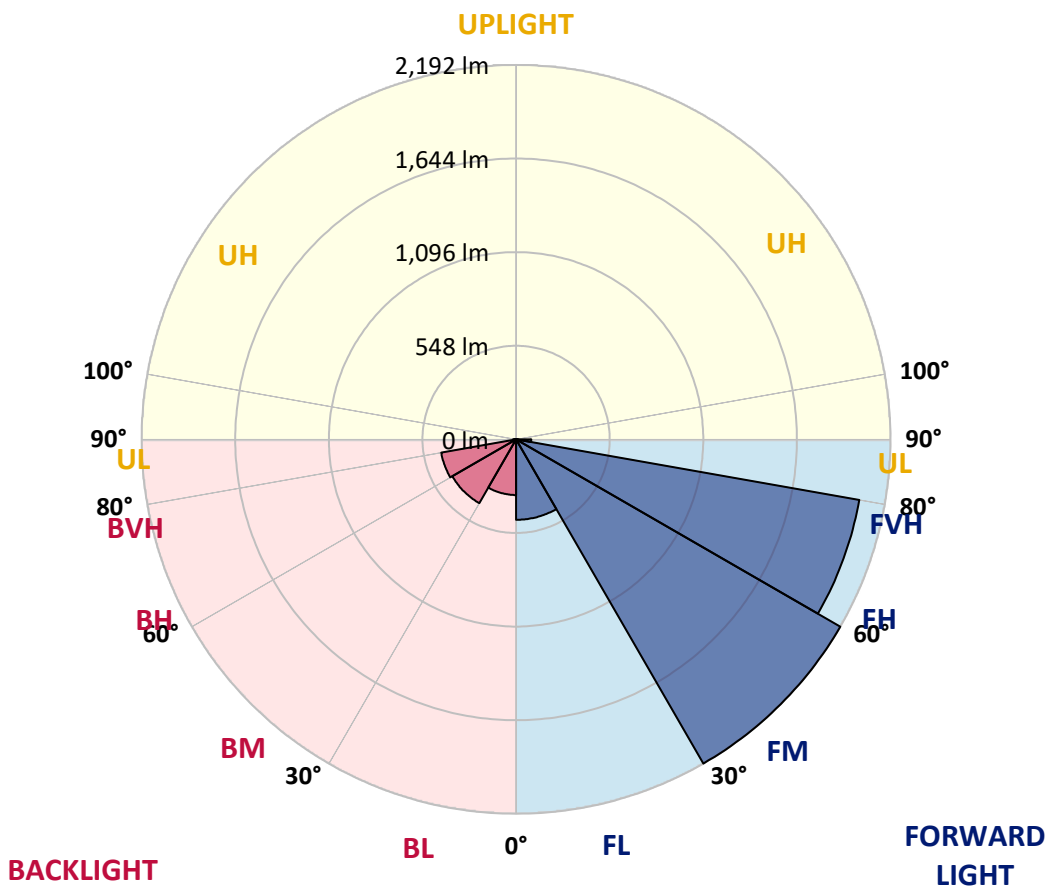
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.1	7.8			
FM (30°-60°)	2191.5	36.5			
FH (60°-80°)	2040.0	33.9			G2/5000
FVH (80°-90°)	89.3	1.5			G1/100
BL (0°-30°)	325.9	5.4	B1/500		
BM (30°-60°)	431.1	7.2	B1/1000		
BH (60°-80°)	444.8	7.4	B1/500		G1/500
BVH (80°-90°)	18.1	0.3			G1/100
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°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4
2.5°	1244.2	1248.6	1246.0	1262.7	1263.5	1284.6	1296.4	1306.5	1307.4	1320.5	1329.3
5°	1159.1	1161.8	1161.8	1177.6	1188.1	1216.2	1243.4	1272.3	1274.5	1306.1	1330.2
7.5°	1090.3	1092.9	1091.2	1112.2	1125.8	1157.0	1191.6	1235.9	1240.3	1291.2	1333.3
10°	1036.3	1035.5	1039.9	1059.2	1076.7	1114.0	1152.6	1203.0	1209.6	1274.1	1336.8
12.5°	999.5	1000.4	1003.0	1023.2	1042.0	1078.9	1118.8	1173.6	1180.6	1254.3	1335.0
15°	982.0	980.2	982.4	1000.8	1018.8	1051.3	1092.5	1149.1	1156.1	1236.8	1335.5
17.5°	978.0	976.7	976.3	989.4	1003.0	1033.3	1072.7	1130.2	1137.7	1225.4	1338.1
20°	990.3	988.5	983.7	989.4	995.1	1020.6	1058.7	1116.6	1124.9	1217.9	1343.3
22.5°	1024.1	1021.0	1013.5	1006.5	999.1	1014.4	1049.9	1106.5	1114.9	1213.1	1348.6
25°	1075.4	1072.7	1064.9	1049.1	1021.9	1019.2	1048.2	1102.1	1110.5	1209.6	1350.8
27.5°	1146.0	1142.0	1134.1	1111.3	1067.0	1037.2	1054.8	1101.7	1109.6	1205.6	1348.6
30°	1229.8	1227.1	1222.7	1195.1	1135.9	1075.4	1069.7	1105.2	1111.3	1203.4	1344.2
32.5°	1314.8	1312.2	1315.7	1302.6	1229.8	1138.5	1102.1	1114.9	1119.2	1203.0	1340.3
35°	1389.8	1392.9	1418.3	1420.5	1349.1	1224.1	1153.4	1137.2	1138.1	1211.8	1342.0
37.5°	1468.3	1480.2	1513.5	1542.0	1482.4	1337.2	1229.8	1179.3	1178.4	1234.1	1353.0
40°	1572.3	1577.5	1620.1	1673.6	1636.3	1492.5	1338.1	1248.2	1242.0	1279.8	1382.4
42.5°	1673.6	1686.3	1754.3	1815.7	1803.4	1667.5	1474.5	1351.2	1340.3	1360.5	1442.9
45°	1802.5	1814.8	1891.1	1970.1	1992.4	1865.3	1649.0	1497.7	1486.8	1481.9	1553.9
47.5°	1931.5	1944.2	2012.6	2126.6	2205.1	2112.6	1876.2	1691.1	1673.2	1654.3	1721.4
50°	2018.3	2033.2	2098.6	2235.4	2419.6	2421.4	2145.5	1944.6	1921.8	1892.0	1957.4
52.5°	2015.2	2024.9	2087.2	2245.1	2574.0	2776.2	2506.0	2267.4	2249.0	2184.1	2241.1
55°	1856.9	1871.4	1934.1	2131.5	2590.6	3112.6	3035.8	2648.1	2615.2	2499.0	2561.7
57.5°	1539.0	1551.2	1614.4	1857.8	2442.9	3284.9	3708.6	3133.2	3088.0	2842.0	2914.3
60°	1161.8	1146.9	1176.7	1389.8	2089.4	3289.3	4302.4	3791.0	3715.6	3208.6	3269.1
62.5°	871.9	857.0	863.5	923.6	1416.6	3023.5	4641.0	4691.0	4566.4	3622.6	3610.8
65°	689.0	680.7	699.5	740.7	825.8	2302.5	4643.6	5664.2	5585.7	4102.4	3961.2
67.5°	561.4	556.1	575.4	651.7	669.7	1237.2	4163.8	6118.5	6149.2	4627.8	4286.2
70°	452.2	444.3	474.5	575.0	622.8	748.6	2982.7	5887.0	5936.5	4941.0	4194.5
72.5°	312.3	312.7	328.1	465.8	601.3	646.5	1687.2	4901.9	5009.4	4657.2	3687.5
75°	210.5	212.3	216.7	307.4	553.9	627.2	899.1	3711.2	3787.1	3849.4	3048.1
77.5°	127.2	128.1	138.2	186.0	382.0	585.5	609.2	2690.2	2749.9	2537.6	1889.4
80°	73.7	76.8	86.0	124.6	257.9	439.9	471.5	1649.5	1717.0	1128.0	600.4
82.5°	32.5	34.6	46.9	72.4	150.4	374.1	368.0	651.7	642.1	314.5	208.3
85°	5.7	7.0	10.1	22.8	55.3	197.4	285.5	287.7	270.6	119.3	86.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	43.0	77.2	76.8	33.8	29.8
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°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4
2.5°	1335.0	1323.2	1333.7	1335.0	1332.8	1331.1	1317.9	1306.5	1305.2	1292.9	1292.9
5°	1339.8	1328.9	1334.1	1324.1	1308.3	1292.0	1264.0	1244.7	1235.9	1220.1	1220.1
7.5°	1346.4	1335.0	1328.9	1303.9	1267.0	1231.5	1186.3	1148.6	1133.3	1110.9	1110.0
10°	1352.6	1338.1	1317.0	1268.4	1209.6	1153.0	1087.2	1033.7	997.3	970.6	970.6
12.5°	1352.1	1333.3	1291.6	1219.7	1138.5	1056.5	968.8	888.1	839.9	798.2	795.6
15°	1351.2	1325.4	1259.1	1163.1	1055.6	942.1	822.8	717.5	646.0	605.2	601.7
17.5°	1350.4	1315.3	1222.7	1098.6	954.8	800.0	642.5	528.5	468.8	443.8	444.7
20°	1350.4	1303.9	1183.7	1024.5	838.6	629.8	471.5	388.6	373.7	375.0	376.3
22.5°	1346.4	1289.8	1140.3	943.8	709.2	463.1	347.8	319.7	327.6	339.9	341.6
25°	1337.2	1266.6	1089.9	854.3	555.2	337.3	283.8	278.5	293.0	308.3	312.7
27.5°	1322.7	1239.8	1033.3	749.5	408.7	271.0	249.5	249.1	260.5	271.9	275.9
30°	1307.4	1210.0	973.6	632.9	296.0	236.0	227.6	227.6	233.3	240.3	239.5
32.5°	1289.4	1179.8	909.6	511.4	241.2	216.2	213.6	212.3	213.1	215.8	215.8
35°	1274.1	1153.0	843.8	382.9	216.2	205.3	202.6	199.6	198.2	196.5	197.4
37.5°	1268.4	1132.0	775.8	288.6	203.9	197.4	193.0	188.6	185.5	184.6	184.2
40°	1277.6	1123.2	707.9	237.7	195.2	189.0	184.2	178.5	175.9	175.9	175.9
42.5°	1313.5	1129.8	638.6	214.9	189.0	182.0	175.0	169.7	168.9	169.7	170.2
45°	1379.3	1155.2	566.6	203.5	183.8	175.0	166.7	162.7	162.7	163.6	163.6
47.5°	1496.8	1221.9	495.6	196.5	178.5	169.3	160.5	156.6	156.1	157.0	157.0
50°	1700.3	1342.0	431.6	191.7	174.6	164.9	156.1	150.9	149.6	149.1	149.1
52.5°	1956.9	1550.4	390.8	188.1	169.7	160.1	151.3	144.3	141.7	140.3	140.3
55°	2267.0	1828.0	390.8	185.5	163.6	154.4	144.3	137.3	133.3	131.6	131.6
57.5°	2618.3	2151.2	458.3	183.3	158.8	147.8	136.8	129.8	125.4	122.8	122.8
60°	2975.7	2492.8	625.4	180.3	154.4	139.5	128.5	121.9	116.2	113.2	112.7
62.5°	3346.3	2869.1	845.6	182.0	151.3	131.6	119.7	112.3	107.5	104.4	103.9
65°	3685.8	3227.5	1038.1	195.6	151.7	124.6	109.6	103.1	99.1	95.2	94.7
67.5°	3973.9	3425.3	903.0	223.2	161.0	116.2	99.6	93.0	89.5	86.8	86.4
70°	3772.2	3123.5	512.3	240.3	173.7	107.5	88.2	83.8	80.3	78.5	78.1
72.5°	3225.7	2644.6	342.5	212.3	158.3	96.0	77.6	74.1	71.5	69.3	68.9
75°	2613.0	2097.3	261.8	174.1	123.2	78.1	66.7	64.0	61.4	59.2	58.8
77.5°	1546.0	1211.8	193.0	137.7	86.8	61.0	55.3	53.1	50.4	48.7	48.2
80°	493.4	421.0	122.4	94.7	57.5	46.9	42.5	40.8	38.2	36.0	35.5
82.5°	188.1	162.7	64.9	48.2	38.2	32.0	28.5	26.8	25.0	22.8	22.4
85°	83.3	78.1	36.0	25.9	20.6	15.8	14.0	13.2	11.0	9.2	8.8
87.5°	29.4	29.4	15.4	7.5	4.4	2.2	1.3	0.4	0.0	0.0	0.0
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)