

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: P629401

Luminaire Tested: GWS-SA1B-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

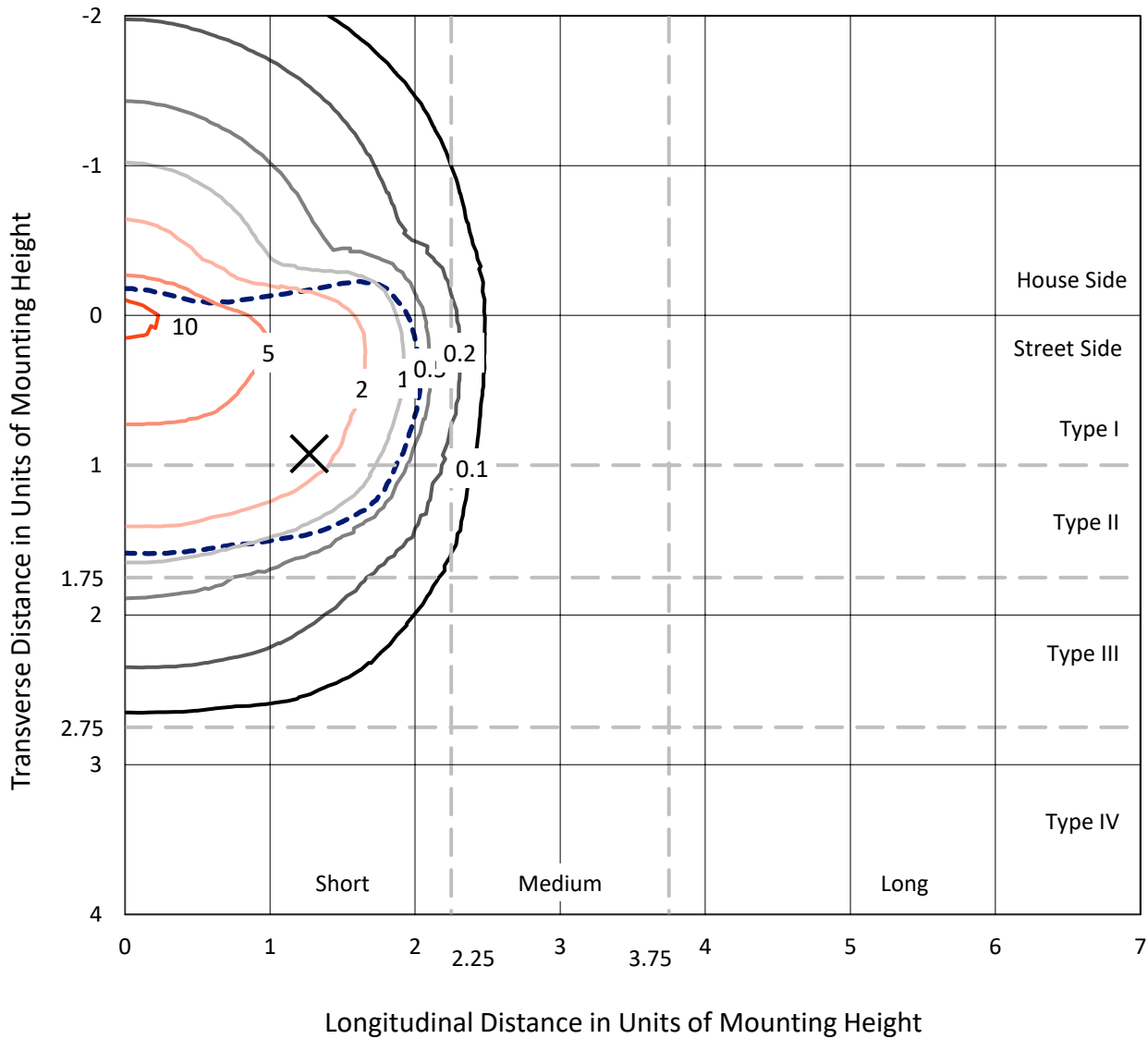
Lumens per Lamp: N/A  
Luminaire Lumens: 3070.2 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

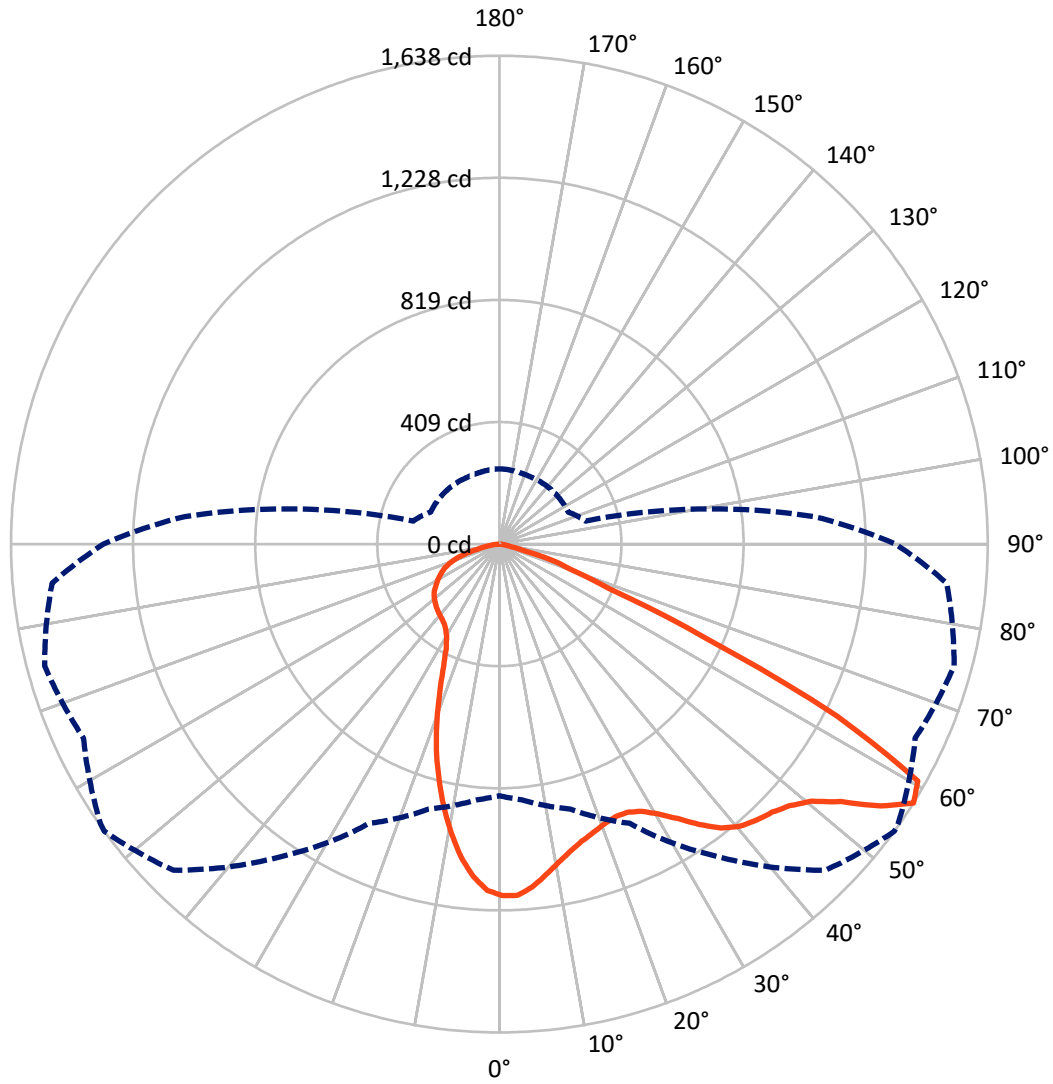
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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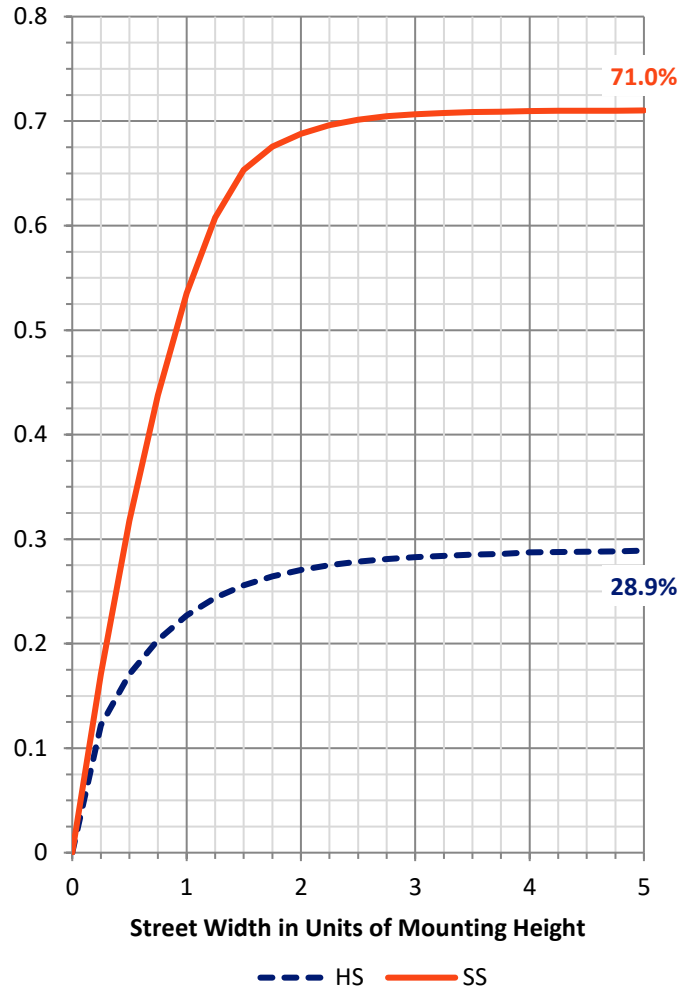
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	892.5	0.0	892.5
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	2177.7	0.0	2177.7
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	3070.2	0.0	3070.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.6	3.4
10°-20°	247.2	8.1
20°-30°	342.1	11.1
30°-40°	475.4	15.5
40°-50°	627.8	20.4
50°-60°	746.1	24.3
60°-70°	413.3	13.5
70°-80°	102.9	3.4
80°-90°	11.7	0.4
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°	3070.2	100.0
0°-180°	3070.2	100.0

**Coefficient of Utilization**



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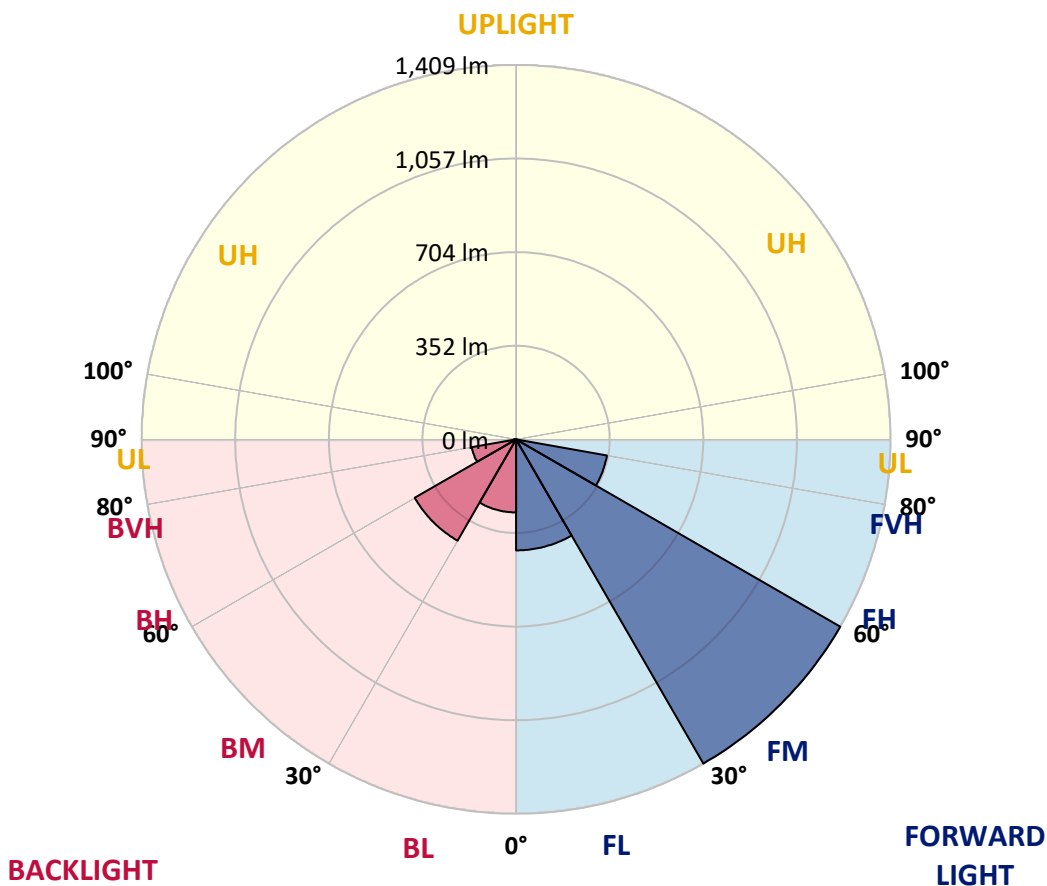
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.9	13.6			
FM (30°-60°)	1409.0	45.9			
FH (60°-80°)	347.1	11.3			G0/660
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	275.0	9.0	B1/500		
BM (30°-60°)	440.3	14.3	B1/1000		
BH (60°-80°)	169.1	5.5	B1/500		G1/500
BVH (80°-90°)	8.0	0.3			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7
2.5°	1156.6	1159.0	1160.6	1166.1	1170.8	1175.0	1179.5	1179.5	1179.2	1178.5	1176.9
5°	1110.9	1113.5	1117.2	1124.8	1135.1	1142.5	1154.5	1155.6	1160.8	1163.0	1161.9
7.5°	1057.8	1058.6	1063.3	1073.3	1089.6	1102.8	1120.1	1122.2	1134.8	1142.2	1140.9
10°	999.7	997.1	1005.5	1020.2	1041.5	1063.6	1085.9	1087.8	1108.0	1122.0	1120.9
12.5°	946.7	946.9	955.3	973.2	999.7	1027.1	1057.0	1061.2	1086.2	1104.1	1102.2
15°	902.2	903.3	913.5	933.8	964.0	996.6	1033.9	1037.9	1069.4	1093.0	1087.8
17.5°	866.8	867.8	876.7	899.9	932.2	971.6	1017.1	1021.0	1060.2	1088.3	1077.5
20°	842.3	841.8	850.5	872.5	905.9	948.8	1002.4	1008.2	1057.3	1090.2	1070.7
22.5°	832.3	832.1	838.4	856.5	887.8	931.1	993.4	1001.3	1060.5	1098.3	1066.5
25°	837.3	836.3	841.8	855.2	880.2	924.3	996.1	1004.5	1073.9	1115.1	1067.3
27.5°	852.8	851.5	856.2	868.3	887.3	931.4	1014.5	1024.2	1102.2	1145.9	1077.8
30°	876.5	875.7	880.4	892.0	908.5	955.1	1049.7	1060.7	1146.1	1193.7	1100.7
32.5°	904.1	902.8	911.2	924.6	943.8	998.2	1097.0	1111.4	1198.2	1255.2	1139.0
35°	935.1	934.0	945.6	965.1	992.6	1058.1	1154.3	1170.0	1251.3	1324.8	1190.0
37.5°	965.3	965.3	987.7	1016.6	1051.3	1123.3	1208.2	1218.1	1288.1	1386.6	1244.7
40°	992.1	993.7	1027.3	1070.7	1114.9	1182.1	1243.6	1252.0	1304.3	1429.2	1292.3
42.5°	1021.8	1023.1	1062.3	1119.1	1171.6	1229.7	1265.2	1269.4	1307.5	1450.5	1325.9
45°	1045.5	1047.3	1095.9	1156.6	1221.0	1265.4	1282.3	1285.9	1312.0	1462.0	1350.3
47.5°	1057.8	1060.5	1116.2	1186.9	1254.4	1297.5	1310.4	1312.0	1330.4	1482.3	1379.8
50°	1055.7	1061.0	1123.8	1201.8	1279.1	1329.8	1355.6	1358.2	1367.9	1512.0	1414.2
52.5°	1074.4	1076.7	1140.1	1219.7	1314.3	1389.5	1434.2	1437.9	1433.4	1534.3	1434.7
55°	1043.4	1054.7	1119.8	1217.1	1367.9	1481.7	1550.6	1548.8	1492.8	1559.3	1468.9
57.5°	843.9	860.5	920.1	1033.1	1279.6	1546.4	1637.6	1633.1	1538.8	1578.5	1505.9
60°	584.2	586.9	640.7	720.9	987.7	1366.1	1612.1	1621.8	1547.2	1554.3	1437.3
62.5°	467.3	466.5	471.5	473.6	628.1	960.3	1272.5	1308.0	1285.4	1211.0	1018.7
65°	399.0	401.8	416.6	408.9	410.0	540.9	760.3	765.3	749.5	722.7	538.8
67.5°	312.2	317.2	343.2	372.9	363.5	348.2	394.5	392.1	309.1	239.2	197.6
70°	195.5	198.7	226.5	292.8	316.4	285.9	253.6	252.6	165.6	136.1	149.3
72.5°	114.1	114.6	122.5	163.2	210.0	195.5	186.6	179.8	106.4	108.5	119.1
75°	62.8	62.8	62.5	70.4	82.8	73.3	71.0	69.1	71.2	80.7	88.6
77.5°	13.1	13.4	14.2	18.7	24.2	29.4	37.1	37.3	46.5	53.9	60.2
80°	6.0	6.3	7.9	10.0	12.9	17.1	22.6	22.9	28.1	33.9	38.1
82.5°	3.2	3.4	4.2	5.3	6.8	8.9	12.6	12.6	16.8	20.0	22.6
85°	1.1	1.1	1.6	2.1	2.9	3.7	5.0	5.0	7.4	9.7	11.3
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.1	1.1	1.3	1.6	2.6
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°	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7	1178.7
2.5°	1173.5	1165.3	1165.6	1167.2	1162.2	1154.5	1149.5	1143.2	1139.3	1138.5	1141.4
5°	1156.6	1147.2	1140.6	1133.8	1119.6	1102.8	1089.6	1078.9	1071.8	1069.1	1066.0
7.5°	1133.5	1121.2	1104.6	1085.4	1059.7	1029.7	1008.7	989.0	975.3	971.4	969.5
10°	1110.4	1092.5	1063.1	1027.3	984.5	944.0	905.9	876.7	853.6	840.5	844.7
12.5°	1086.5	1064.4	1018.4	963.5	903.8	842.8	792.9	744.6	707.2	688.6	683.1
15°	1065.4	1035.5	971.4	897.0	817.6	740.9	668.6	596.1	548.8	523.0	515.9
17.5°	1047.6	1008.7	921.7	829.2	734.3	625.0	536.1	468.9	436.5	422.3	421.3
20°	1030.0	982.4	872.5	756.1	638.1	515.6	436.3	404.7	393.2	388.2	387.9
22.5°	1014.2	954.8	820.8	683.1	542.4	433.4	389.8	376.1	372.9	372.9	372.4
25°	1000.8	927.2	767.7	605.5	456.0	385.8	365.6	359.8	361.1	363.5	363.7
27.5°	995.3	905.7	716.4	525.9	396.3	358.2	349.0	348.2	351.9	355.6	356.1
30°	1001.1	890.9	663.9	449.7	360.6	341.4	337.2	338.8	343.2	346.9	346.9
32.5°	1018.9	883.6	610.3	394.0	339.8	329.6	328.3	329.8	333.2	335.4	335.6
35°	1049.2	886.5	554.8	356.4	326.4	320.9	320.6	321.7	323.0	324.3	324.6
37.5°	1087.3	899.3	495.4	334.6	317.7	314.6	314.1	313.8	314.1	314.1	314.3
40°	1124.6	918.8	442.3	321.7	311.7	309.1	307.8	305.9	305.7	305.1	304.9
42.5°	1152.2	933.8	400.0	312.5	306.2	303.0	301.4	298.6	298.3	298.0	297.8
45°	1172.9	946.4	364.8	303.5	300.4	297.5	294.1	291.5	292.0	292.5	292.5
47.5°	1196.3	957.4	339.0	295.1	293.3	290.4	286.2	284.4	286.2	288.0	288.0
50°	1224.7	972.9	318.0	286.7	285.9	282.5	278.8	278.1	280.2	282.8	282.8
52.5°	1245.5	986.3	303.0	278.3	278.3	273.9	270.7	270.4	272.8	275.4	275.7
55°	1284.4	1017.6	297.8	268.6	267.5	264.1	261.8	259.9	262.8	265.2	265.2
57.5°	1328.3	1059.1	299.1	254.7	253.4	252.3	250.5	248.4	249.1	251.8	252.0
60°	1235.2	978.7	284.6	240.7	239.9	239.4	237.1	233.4	234.4	236.5	236.8
62.5°	862.8	650.5	230.2	223.4	226.0	225.8	222.6	218.4	218.7	221.6	221.6
65°	447.8	351.9	202.1	207.6	211.6	210.0	204.7	201.1	200.5	204.2	203.4
67.5°	193.2	192.1	184.0	191.1	195.3	191.9	186.3	180.3	180.8	182.1	181.1
70°	155.6	160.3	163.7	171.4	174.8	168.5	162.4	159.0	156.1	155.8	154.0
72.5°	124.3	130.9	138.5	146.4	147.4	141.1	133.5	130.4	125.9	125.6	123.8
75°	93.6	99.1	105.1	111.4	111.4	105.4	100.4	98.8	93.6	92.0	90.4
77.5°	63.9	67.3	72.0	73.6	75.2	72.8	67.8	65.2	59.1	57.6	55.5
80°	40.2	42.6	45.5	46.5	48.1	45.2	41.3	38.4	34.2	32.9	31.8
82.5°	24.2	25.8	27.6	28.1	29.4	27.3	23.7	21.6	19.2	18.1	17.3
85°	12.4	13.1	14.2	14.5	14.2	12.1	10.8	9.7	8.1	7.9	7.4
87.5°	3.2	3.7	3.9	3.7	3.4	2.6	1.8	1.3	0.5	0.5	0.3
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)