

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: P629456

Luminaire Tested: GWS-SA1B-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629456  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

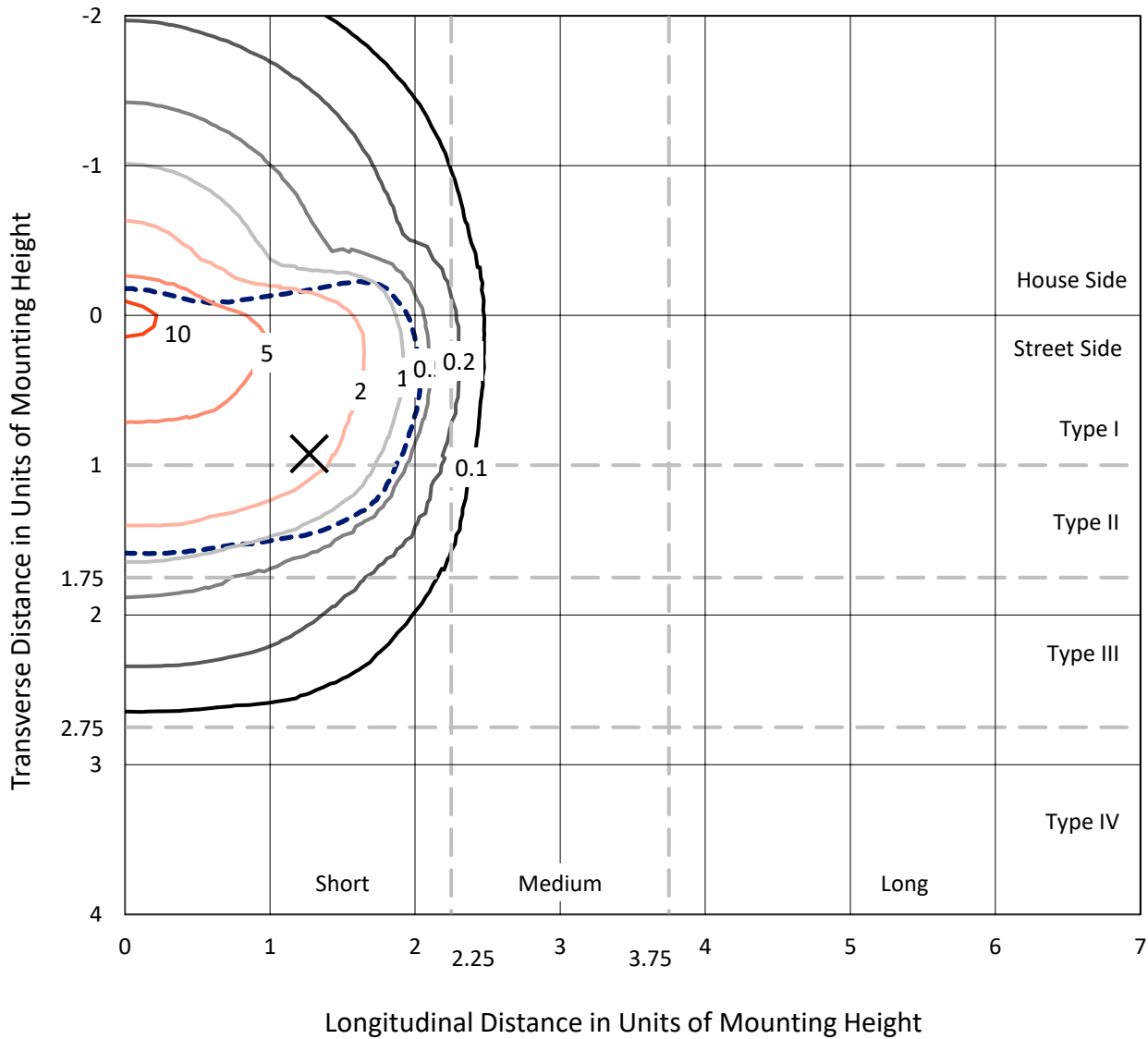
Lumens per Lamp: N/A  
Luminaire Lumens: 3028.1 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

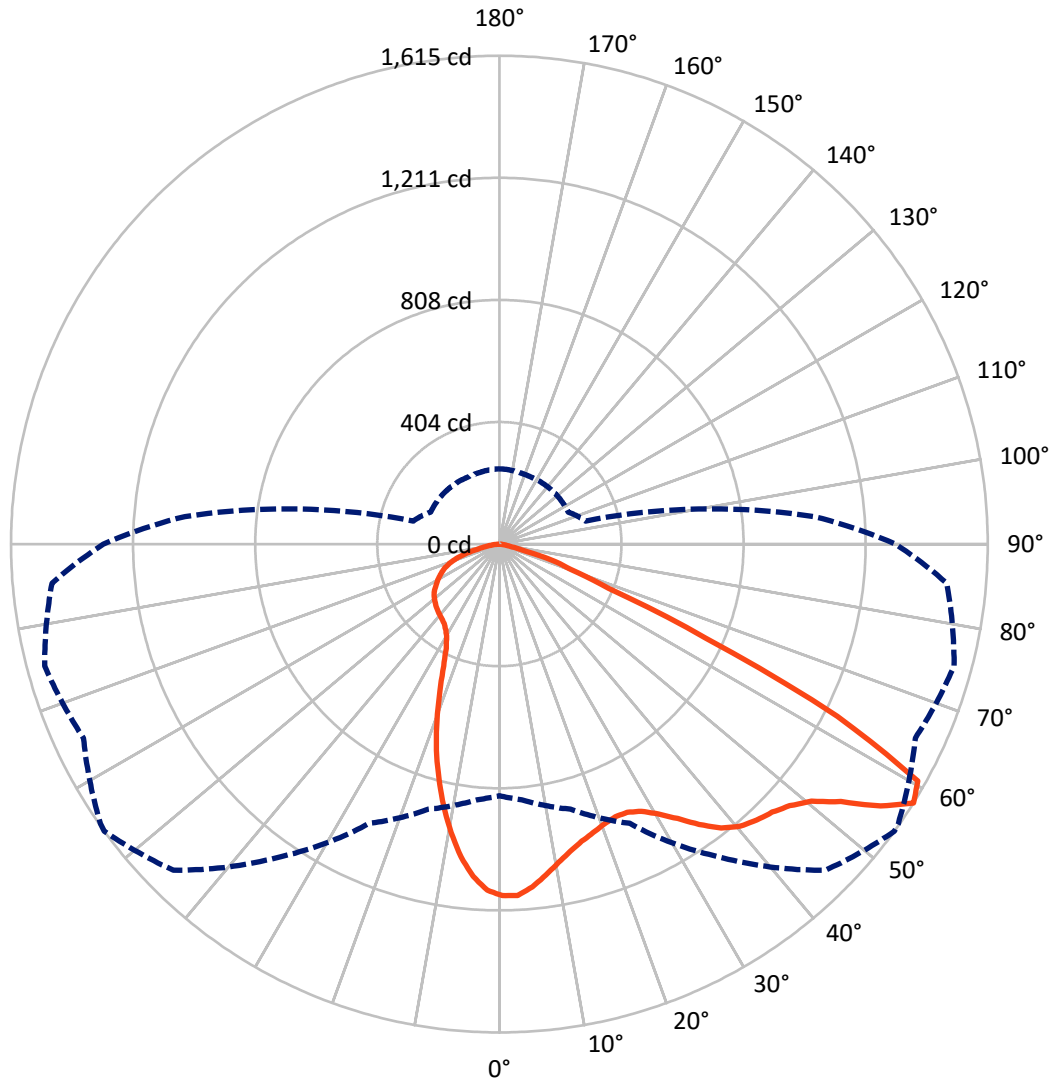
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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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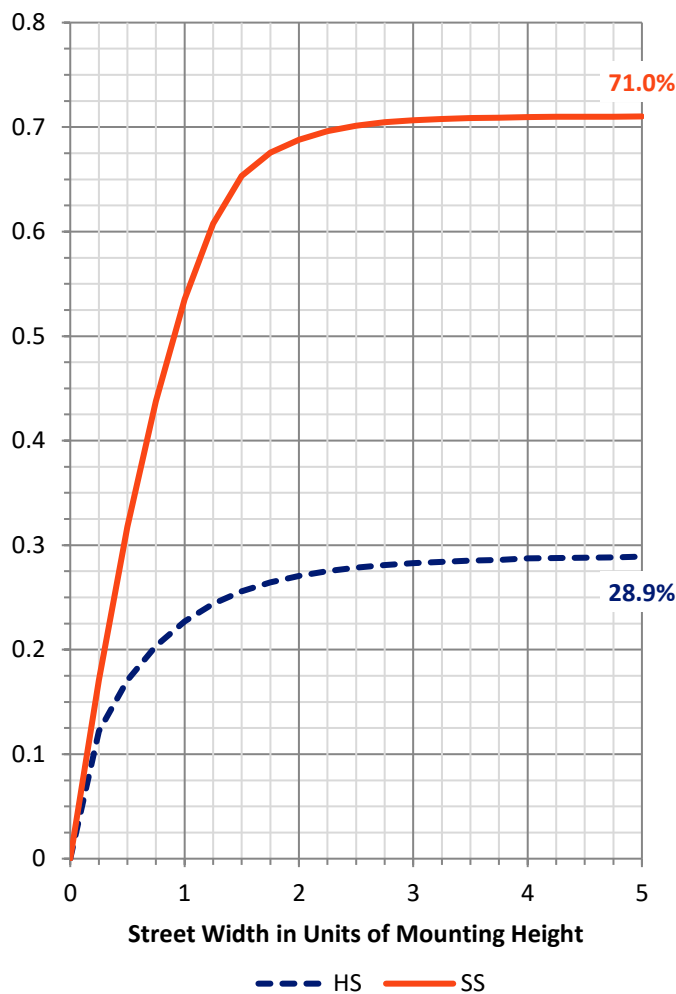
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	880.3	0.0	880.3
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	2147.8	0.0	2147.8
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	3028.1	0.0	3028.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.2	3.4
10°-20°	243.8	8.1
20°-30°	337.4	11.1
30°-40°	468.9	15.5
40°-50°	619.2	20.4
50°-60°	735.8	24.3
60°-70°	407.7	13.5
70°-80°	101.5	3.4
80°-90°	11.5	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°	3028.1	100.0
0°-180°	3028.1	100.0

**Coefficient of Utilization**



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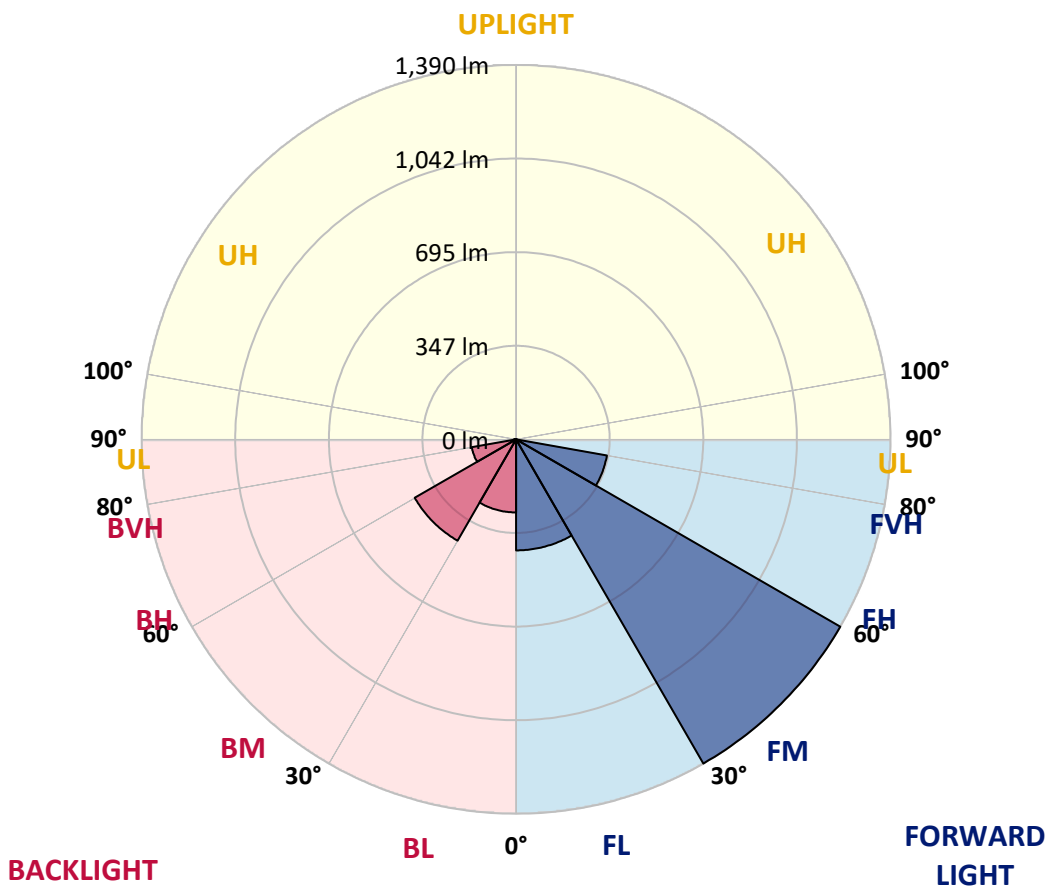
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.2	13.6			
FM (30°-60°)	1389.6	45.9			
FH (60°-80°)	342.4	11.3			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	271.3	9.0	B1/500		
BM (30°-60°)	434.3	14.3	B1/1000		
BH (60°-80°)	166.8	5.5	B1/500		G1/500
BVH (80°-90°)	7.9	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°	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6
2.5°	1140.8	1143.1	1144.7	1150.1	1154.8	1158.9	1163.3	1163.3	1163.1	1162.3	1160.7
5°	1095.7	1098.3	1101.9	1109.4	1119.5	1126.8	1138.7	1139.7	1144.9	1147.0	1146.0
7.5°	1043.3	1044.1	1048.8	1058.6	1074.7	1087.6	1104.8	1106.8	1119.3	1126.5	1125.2
10°	986.0	983.4	991.7	1006.3	1027.2	1049.0	1071.1	1072.9	1092.8	1106.6	1105.5
12.5°	933.7	933.9	942.2	959.9	986.0	1013.0	1042.5	1046.7	1071.3	1088.9	1087.1
15°	889.9	890.9	901.0	921.0	950.8	982.9	1019.7	1023.6	1054.7	1078.1	1072.9
17.5°	854.9	855.9	864.7	887.5	919.4	958.3	1003.1	1007.0	1045.7	1073.4	1062.8
20°	830.8	830.2	838.8	860.6	893.5	935.7	988.6	994.3	1042.8	1075.2	1056.0
22.5°	820.9	820.7	826.9	844.8	875.6	918.4	979.8	987.6	1045.9	1083.2	1051.9
25°	825.8	824.8	830.2	843.5	868.1	911.6	982.4	990.7	1059.1	1099.8	1052.7
27.5°	841.1	839.8	844.5	856.4	875.1	918.6	1000.6	1010.1	1087.1	1130.2	1063.0
30°	864.5	863.7	868.4	879.8	896.1	942.0	1035.3	1046.2	1130.4	1177.3	1085.6
32.5°	891.7	890.4	898.7	911.9	930.8	984.5	1081.9	1096.2	1181.7	1238.0	1123.4
35°	922.3	921.2	932.6	951.8	979.0	1043.6	1138.4	1154.0	1234.1	1306.7	1173.7
37.5°	952.1	952.1	974.1	1002.6	1036.8	1107.9	1191.6	1201.4	1270.4	1367.6	1227.6
40°	978.5	980.1	1013.3	1056.0	1099.6	1165.9	1226.6	1234.9	1286.5	1409.6	1274.5
42.5°	1007.8	1009.1	1047.7	1103.7	1155.6	1212.8	1247.8	1252.0	1289.6	1430.6	1307.7
45°	1031.1	1033.0	1080.9	1140.8	1204.3	1248.1	1264.7	1268.3	1294.0	1442.0	1331.8
47.5°	1043.3	1045.9	1100.9	1170.6	1237.2	1279.7	1292.4	1294.0	1312.1	1461.9	1360.9
50°	1041.2	1046.4	1108.4	1185.4	1261.6	1311.6	1337.0	1339.6	1349.2	1491.2	1394.8
52.5°	1059.7	1062.0	1124.5	1203.0	1296.3	1370.4	1414.5	1418.1	1413.7	1513.3	1415.0
55°	1029.1	1040.2	1104.5	1200.4	1349.2	1461.4	1529.3	1527.5	1472.3	1537.9	1448.7
57.5°	832.3	848.7	907.5	1019.0	1262.1	1525.2	1615.1	1610.7	1517.7	1556.8	1485.3
60°	576.2	578.8	632.0	711.0	974.1	1347.4	1590.0	1599.6	1526.0	1533.0	1417.6
62.5°	460.9	460.1	465.0	467.1	619.5	947.2	1255.1	1290.1	1267.8	1194.4	1004.7
65°	393.5	396.3	410.8	403.3	404.4	533.5	749.9	754.8	739.3	712.8	531.4
67.5°	307.9	312.9	338.5	367.8	358.5	343.5	389.1	386.7	304.8	235.9	194.9
70°	192.9	196.0	223.4	288.8	312.1	282.0	250.1	249.1	163.3	134.3	147.2
72.5°	112.5	113.0	120.8	161.0	207.1	192.9	184.0	177.3	105.0	107.1	117.4
75°	62.0	62.0	61.7	69.5	81.7	72.3	70.0	68.2	70.2	79.6	87.4
77.5°	13.0	13.2	14.0	18.4	23.8	29.0	36.5	36.8	45.9	53.1	59.4
80°	6.0	6.2	7.8	9.8	12.7	16.8	22.3	22.6	27.7	33.4	37.6
82.5°	3.1	3.4	4.1	5.2	6.7	8.8	12.4	12.4	16.6	19.7	22.3
85°	1.0	1.0	1.6	2.1	2.9	3.6	4.9	4.9	7.3	9.6	11.1
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.0	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°	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6	1162.6
2.5°	1157.4	1149.3	1149.6	1151.2	1146.2	1138.7	1133.8	1127.6	1123.7	1122.9	1125.7
5°	1140.8	1131.5	1125.0	1118.2	1104.2	1087.6	1074.7	1064.1	1057.1	1054.5	1051.4
7.5°	1118.0	1105.8	1089.5	1070.5	1045.1	1015.6	994.8	975.4	961.9	958.0	956.2
10°	1095.2	1077.5	1048.5	1013.3	971.0	931.1	893.5	864.7	841.9	829.0	833.1
12.5°	1071.6	1049.8	1004.4	950.3	891.4	831.3	782.0	734.3	697.5	679.1	673.7
15°	1050.8	1021.3	958.0	884.7	806.4	730.7	659.4	587.9	541.2	515.8	508.8
17.5°	1033.2	994.8	909.0	817.8	724.2	616.4	528.8	462.4	430.5	416.6	415.5
20°	1015.8	968.9	860.6	745.7	629.4	508.6	430.3	399.2	387.8	382.9	382.6
22.5°	1000.3	941.7	809.5	673.7	535.0	427.4	384.4	370.9	367.8	367.8	367.3
25°	987.1	914.5	757.2	597.2	449.7	380.5	360.6	354.9	356.2	358.5	358.7
27.5°	981.6	893.2	706.6	518.7	390.9	353.3	344.2	343.5	347.1	350.7	351.2
30°	987.3	878.7	654.8	443.5	355.6	336.7	332.6	334.1	338.5	342.2	342.2
32.5°	1005.0	871.5	601.9	388.6	335.2	325.0	323.8	325.3	328.7	330.8	331.0
35°	1034.8	874.3	547.2	351.5	321.9	316.5	316.2	317.3	318.6	319.9	320.1
37.5°	1072.4	887.0	488.6	330.0	313.4	310.3	309.8	309.5	309.8	309.8	310.0
40°	1109.2	906.2	436.3	317.3	307.4	304.8	303.5	301.7	301.5	300.9	300.7
42.5°	1136.4	921.0	394.5	308.2	302.0	298.9	297.3	294.5	294.2	293.9	293.7
45°	1156.9	933.4	359.8	299.4	296.3	293.4	290.1	287.5	288.0	288.5	288.5
47.5°	1179.9	944.3	334.4	291.1	289.3	286.4	282.3	280.5	282.3	284.1	284.1
50°	1207.9	959.6	313.6	282.8	282.0	278.7	275.0	274.2	276.3	278.9	278.9
52.5°	1228.4	972.8	298.9	274.5	274.5	270.1	267.0	266.7	269.1	271.7	271.9
55°	1266.8	1003.7	293.7	264.9	263.9	260.5	258.2	256.4	259.2	261.5	261.5
57.5°	1310.0	1044.6	295.0	251.2	249.9	248.8	247.0	245.0	245.7	248.3	248.6
60°	1218.3	965.3	280.7	237.4	236.7	236.1	233.8	230.2	231.2	233.3	233.5
62.5°	851.0	641.5	227.1	220.3	222.9	222.7	219.6	215.4	215.7	218.5	218.5
65°	441.7	347.1	199.3	204.8	208.7	207.1	201.9	198.3	197.8	201.4	200.6
67.5°	190.5	189.5	181.4	188.4	192.6	189.2	183.8	177.8	178.3	179.6	178.6
70°	153.5	158.1	161.5	169.0	172.4	166.2	160.2	156.8	154.0	153.7	151.9
72.5°	122.6	129.1	136.6	144.4	145.4	139.2	131.7	128.6	124.2	123.9	122.1
75°	92.3	97.7	103.7	109.9	109.9	103.9	99.0	97.5	92.3	90.7	89.2
77.5°	63.0	66.4	71.0	72.6	74.1	71.8	66.9	64.3	58.3	56.8	54.7
80°	39.7	42.0	44.8	45.9	47.4	44.6	40.7	37.8	33.7	32.4	31.4
82.5°	23.8	25.4	27.2	27.7	29.0	27.0	23.3	21.3	18.9	17.9	17.1
85°	12.2	13.0	14.0	14.3	14.0	11.9	10.6	9.6	8.0	7.8	7.3
87.5°	3.1	3.6	3.9	3.6	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)