

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: P629621

Luminaire Tested: GWS-SA1C-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629621  
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

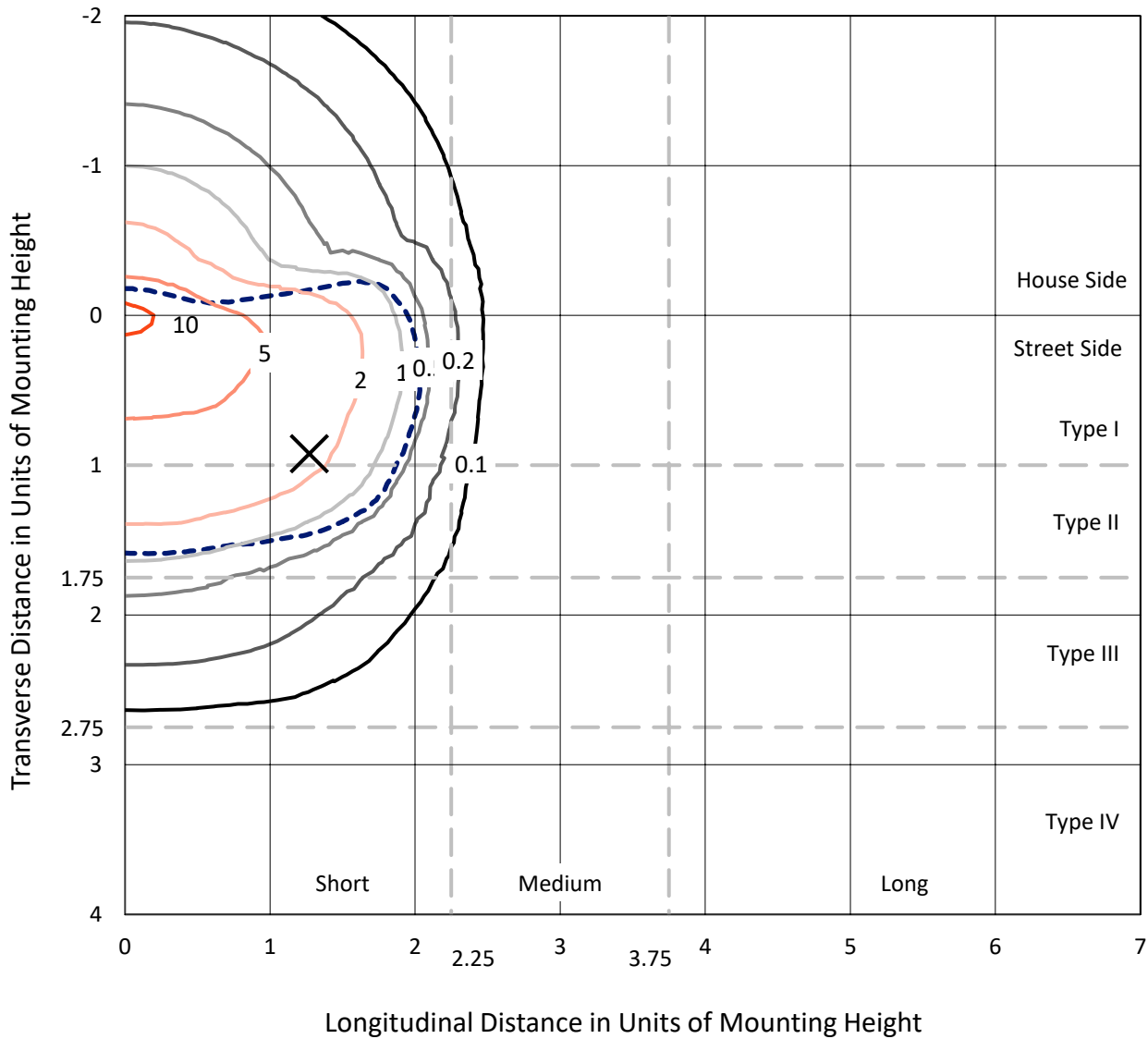
Lumens per Lamp: N/A  
Luminaire Lumens: 2965 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

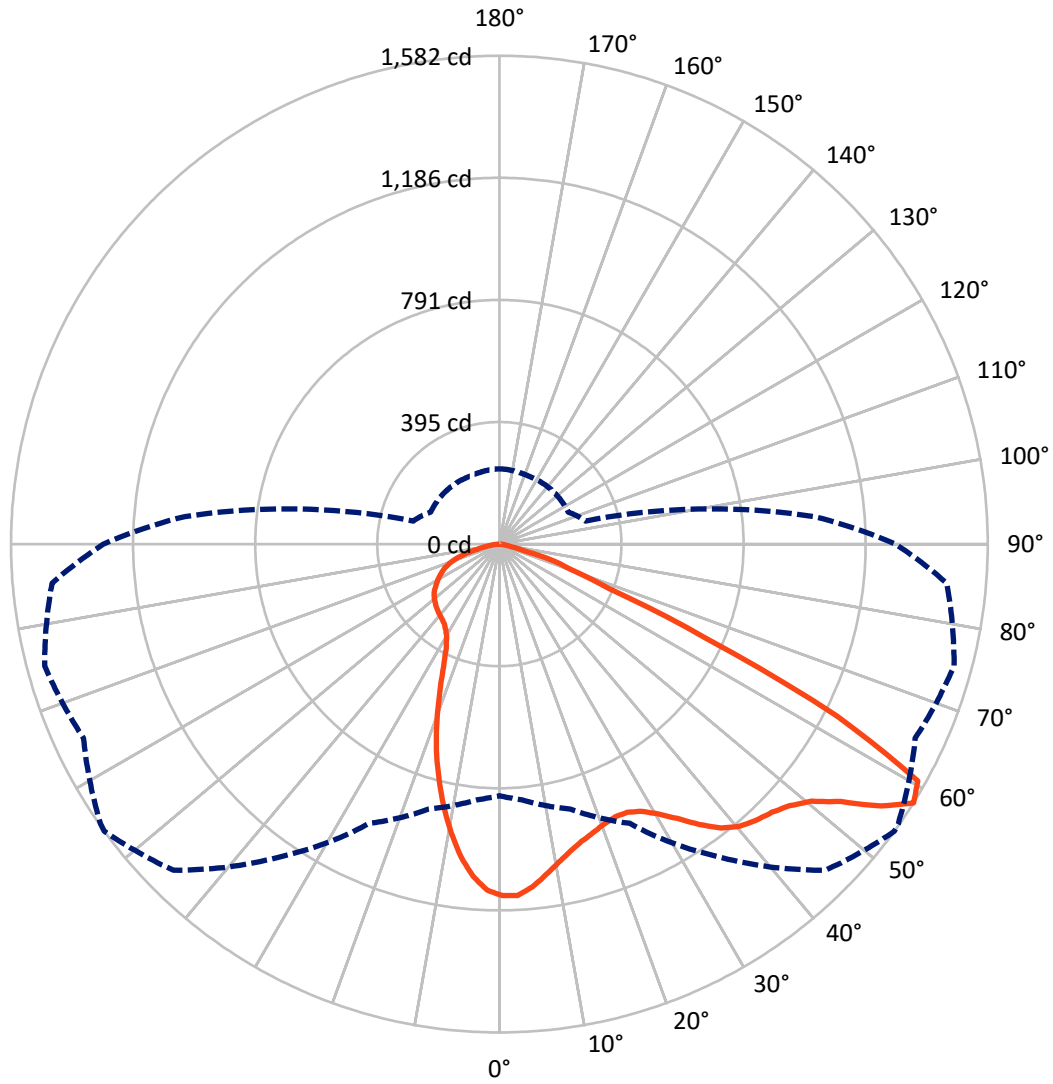
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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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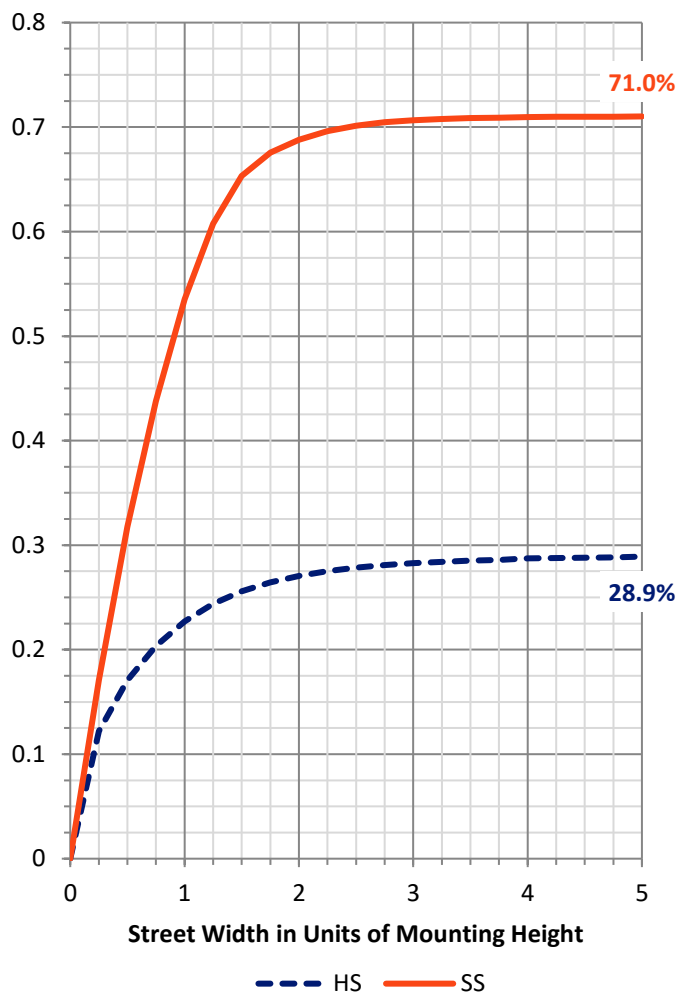
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	862.0	0.0	862.0
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	2103.0	0.0	2103.0
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	2965.0	0.0	2965.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.1	3.4
10°-20°	238.8	8.1
20°-30°	330.4	11.1
30°-40°	459.1	15.5
40°-50°	606.3	20.4
50°-60°	720.5	24.3
60°-70°	399.2	13.5
70°-80°	99.4	3.4
80°-90°	11.3	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°	2965.0	100.0
0°-180°	2965.0	100.0

**Coefficient of Utilization**



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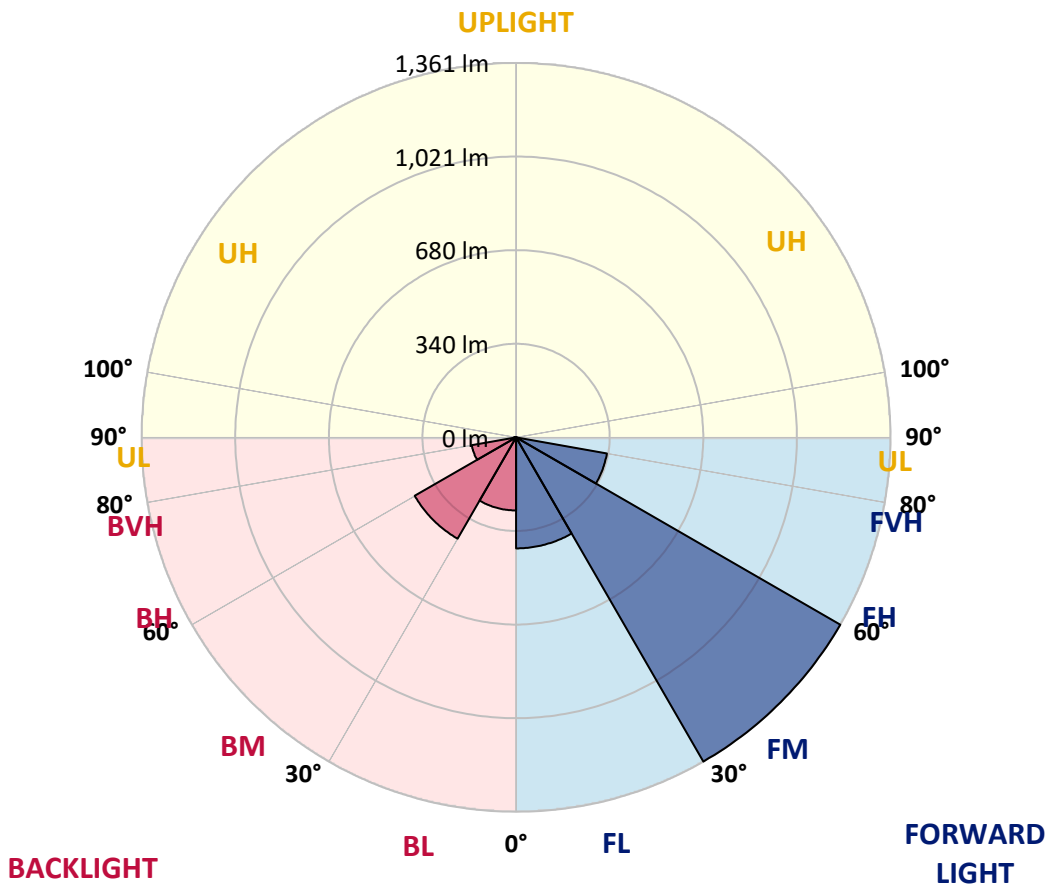
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	403.6	13.6			
FM (30°-60°)	1360.7	45.9			
FH (60°-80°)	335.2	11.3			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	265.6	9.0	B1/500		
BM (30°-60°)	425.2	14.3	B1/1000		
BH (60°-80°)	163.4	5.5	B1/500		G1/500
BVH (80°-90°)	7.8	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°	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3
2.5°	1117.0	1119.3	1120.8	1126.1	1130.7	1134.8	1139.1	1139.1	1138.8	1138.1	1136.6
5°	1072.8	1075.4	1078.9	1086.3	1096.2	1103.3	1115.0	1116.0	1121.1	1123.1	1122.1
7.5°	1021.6	1022.3	1026.9	1036.6	1052.3	1065.0	1081.7	1083.8	1095.9	1103.1	1101.8
10°	965.5	962.9	971.1	985.3	1005.8	1027.2	1048.7	1050.5	1070.1	1083.5	1082.5
12.5°	914.2	914.5	922.6	939.9	965.5	991.9	1020.8	1024.9	1049.0	1066.2	1064.5
15°	871.3	872.3	882.2	901.8	931.0	962.4	998.5	1002.3	1032.7	1055.6	1050.5
17.5°	837.1	838.1	846.7	869.0	900.3	938.3	982.2	986.0	1023.9	1051.0	1040.6
20°	813.5	812.9	821.3	842.6	874.9	916.2	968.0	973.6	1021.1	1052.8	1034.0
22.5°	803.8	803.6	809.6	827.2	857.4	899.2	959.4	967.0	1024.1	1060.7	1030.0
25°	808.6	807.6	812.9	825.9	850.0	892.6	961.9	970.1	1037.1	1076.9	1030.7
27.5°	823.6	822.3	826.9	838.6	856.9	899.5	979.7	989.1	1064.5	1106.6	1040.9
30°	846.5	845.7	850.3	861.4	877.4	922.3	1013.7	1024.4	1106.9	1152.8	1062.9
32.5°	873.1	871.8	880.0	892.9	911.4	964.0	1059.4	1073.4	1157.1	1212.2	1100.0
35°	903.1	902.0	913.2	932.0	958.6	1021.8	1114.7	1130.0	1208.4	1279.4	1149.2
37.5°	932.2	932.2	953.8	981.7	1015.2	1084.8	1166.8	1176.4	1243.9	1339.1	1202.0
40°	958.1	959.6	992.1	1034.0	1076.7	1141.6	1201.0	1209.1	1259.7	1380.2	1248.0
42.5°	986.8	988.1	1025.9	1080.7	1131.5	1187.6	1221.8	1225.9	1262.7	1400.8	1280.5
45°	1009.6	1011.4	1058.4	1117.0	1179.2	1222.1	1238.3	1241.9	1267.0	1411.9	1304.1
47.5°	1021.6	1024.1	1077.9	1146.2	1211.4	1253.1	1265.5	1267.0	1284.8	1431.5	1332.5
50°	1019.5	1024.6	1085.3	1160.7	1235.3	1284.3	1309.1	1311.7	1321.1	1460.2	1365.7
52.5°	1037.6	1039.9	1101.0	1177.9	1269.3	1341.9	1385.0	1388.6	1384.3	1481.7	1385.5
55°	1007.6	1018.5	1081.5	1175.4	1321.1	1431.0	1497.5	1495.7	1441.6	1505.8	1418.5
57.5°	815.0	831.0	888.6	997.7	1235.8	1493.4	1581.5	1577.2	1486.0	1524.4	1454.3
60°	564.2	566.8	618.8	696.2	953.8	1319.3	1556.9	1566.3	1494.2	1501.0	1388.1
62.5°	451.3	450.5	455.3	457.4	606.6	927.4	1228.9	1263.2	1241.4	1169.5	983.8
65°	385.3	388.1	402.3	394.9	395.9	522.3	734.3	739.1	723.9	698.0	520.3
67.5°	301.5	306.3	331.5	360.2	351.0	336.3	381.0	378.7	298.5	231.0	190.9
70°	188.8	191.9	218.8	282.7	305.6	276.1	244.9	243.9	159.9	131.5	144.2
72.5°	110.2	110.7	118.3	157.6	202.8	188.8	180.2	173.6	102.8	104.8	115.0
75°	60.7	60.7	60.4	68.0	79.9	70.8	68.5	66.8	68.8	77.9	85.5
77.5°	12.7	12.9	13.7	18.0	23.4	28.4	35.8	36.0	44.9	52.0	58.1
80°	5.8	6.1	7.6	9.6	12.4	16.5	21.8	22.1	27.2	32.7	36.8
82.5°	3.0	3.3	4.1	5.1	6.6	8.6	12.2	12.2	16.2	19.3	21.8
85°	1.0	1.0	1.5	2.0	2.8	3.6	4.8	4.8	7.1	9.4	10.9
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.0	1.3	1.5	2.5
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°	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3	1138.3
2.5°	1133.3	1125.4	1125.6	1127.2	1122.3	1115.0	1110.2	1104.1	1100.3	1099.5	1102.3
5°	1117.0	1107.9	1101.5	1094.9	1081.2	1065.0	1052.3	1041.9	1035.0	1032.5	1029.4
7.5°	1094.7	1082.7	1066.8	1048.2	1023.4	994.4	974.1	955.1	941.9	938.1	936.3
10°	1072.3	1055.1	1026.7	992.1	950.8	911.7	874.9	846.7	824.4	811.7	815.7
12.5°	1049.2	1027.9	983.5	930.5	872.8	814.0	765.7	719.0	683.0	665.0	659.6
15°	1028.9	1000.0	938.1	866.2	789.6	715.5	645.7	575.6	530.0	505.1	498.2
17.5°	1011.7	974.1	890.1	800.8	709.1	603.6	517.8	452.8	421.6	407.9	406.9
20°	994.7	948.7	842.6	730.2	616.2	498.0	421.3	390.9	379.7	374.9	374.6
22.5°	979.4	922.1	792.6	659.6	523.9	418.5	376.4	363.2	360.2	360.2	359.6
25°	966.5	895.4	741.4	584.8	440.4	372.6	353.0	347.5	348.7	351.0	351.3
27.5°	961.2	874.6	691.9	507.9	382.7	345.9	337.1	336.3	339.8	343.4	343.9
30°	966.8	860.4	641.1	434.3	348.2	329.7	325.6	327.2	331.5	335.0	335.0
32.5°	984.0	853.3	589.3	380.5	328.2	318.3	317.0	318.5	321.8	323.9	324.1
35°	1013.2	856.1	535.8	344.2	315.2	309.9	309.6	310.7	311.9	313.2	313.5
37.5°	1050.0	868.5	478.4	323.1	306.9	303.8	303.3	303.0	303.3	303.3	303.6
40°	1086.0	887.3	427.2	310.7	301.0	298.5	297.2	295.4	295.2	294.7	294.4
42.5°	1112.7	901.8	386.3	301.8	295.7	292.6	291.1	288.3	288.1	287.8	287.6
45°	1132.7	914.0	352.3	293.1	290.1	287.3	284.0	281.5	282.0	282.5	282.5
47.5°	1155.3	924.6	327.4	285.0	283.3	280.5	276.4	274.6	276.4	278.2	278.2
50°	1182.7	939.6	307.1	276.9	276.1	272.8	269.3	268.5	270.6	273.1	273.1
52.5°	1202.8	952.5	292.6	268.8	268.8	264.5	261.4	261.2	263.5	266.0	266.2
55°	1240.4	982.7	287.6	259.4	258.4	255.1	252.8	251.0	253.8	256.1	256.1
57.5°	1282.7	1022.8	288.8	245.9	244.7	243.7	241.9	239.8	240.6	243.1	243.4
60°	1192.9	945.2	274.9	232.5	231.7	231.2	228.9	225.4	226.4	228.4	228.7
62.5°	833.3	628.2	222.3	215.7	218.3	218.0	215.0	210.9	211.2	214.0	214.0
65°	432.5	339.8	195.2	200.5	204.3	202.8	197.7	194.2	193.7	197.2	196.4
67.5°	186.5	185.5	177.7	184.5	188.6	185.3	180.0	174.1	174.6	175.9	174.9
70°	150.3	154.8	158.1	165.5	168.8	162.7	156.9	153.6	150.8	150.5	148.7
72.5°	120.1	126.4	133.8	141.4	142.4	136.3	128.9	125.9	121.6	121.3	119.5
75°	90.4	95.7	101.5	107.6	107.6	101.8	97.0	95.4	90.4	88.8	87.3
77.5°	61.7	65.0	69.5	71.1	72.6	70.3	65.5	62.9	57.1	55.6	53.6
80°	38.8	41.1	43.9	44.9	46.4	43.7	39.8	37.1	33.0	31.7	30.7
82.5°	23.4	24.9	26.6	27.2	28.4	26.4	22.8	20.8	18.5	17.5	16.8
85°	11.9	12.7	13.7	14.0	13.7	11.7	10.4	9.4	7.9	7.6	7.1
87.5°	3.0	3.6	3.8	3.6	3.3	2.5	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)