

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: P630055

Luminaire Tested: GWS-SA1C-830-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-830-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

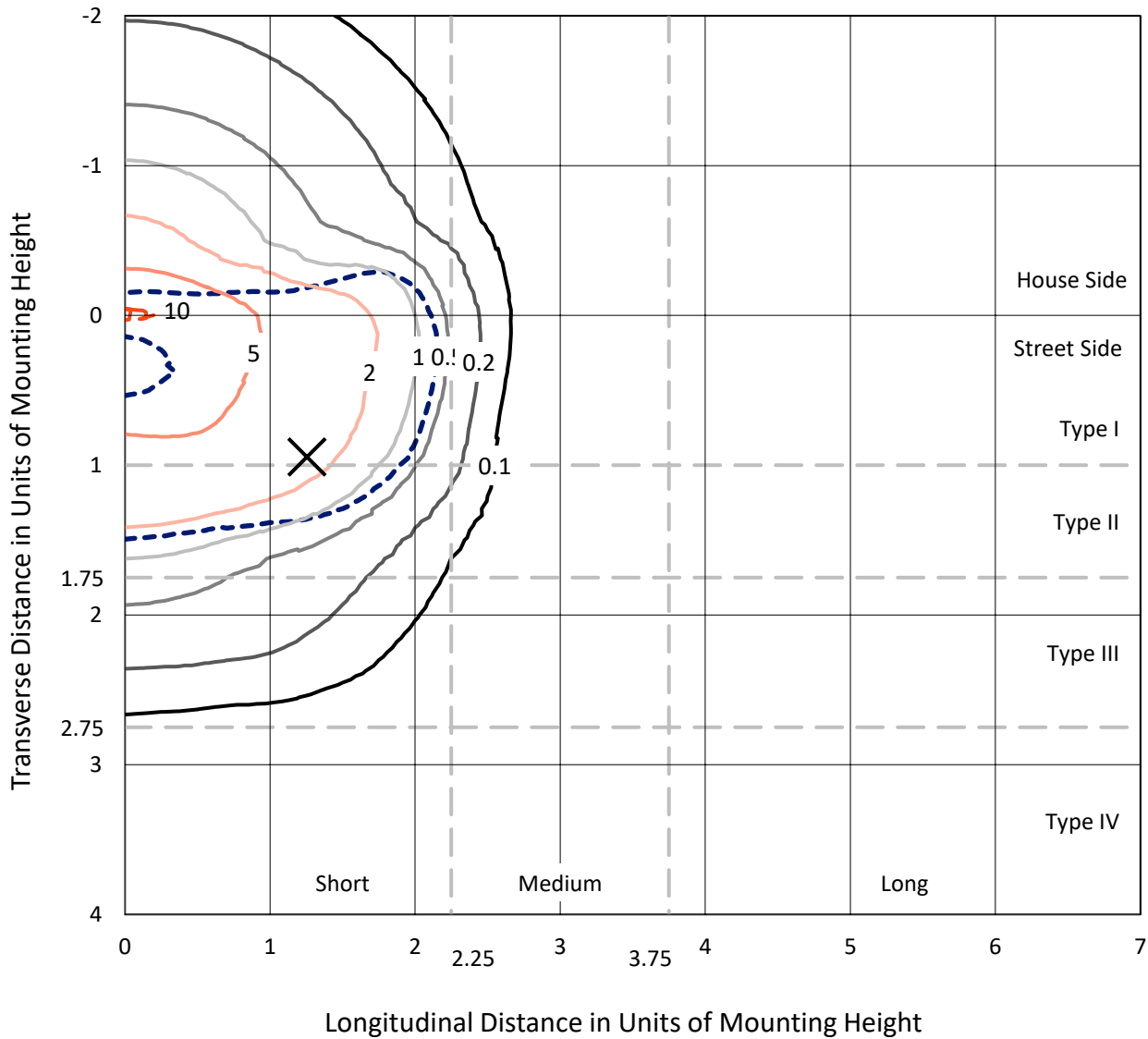
Lumens per Lamp: N/A  
Luminaire Lumens: 3252.1 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

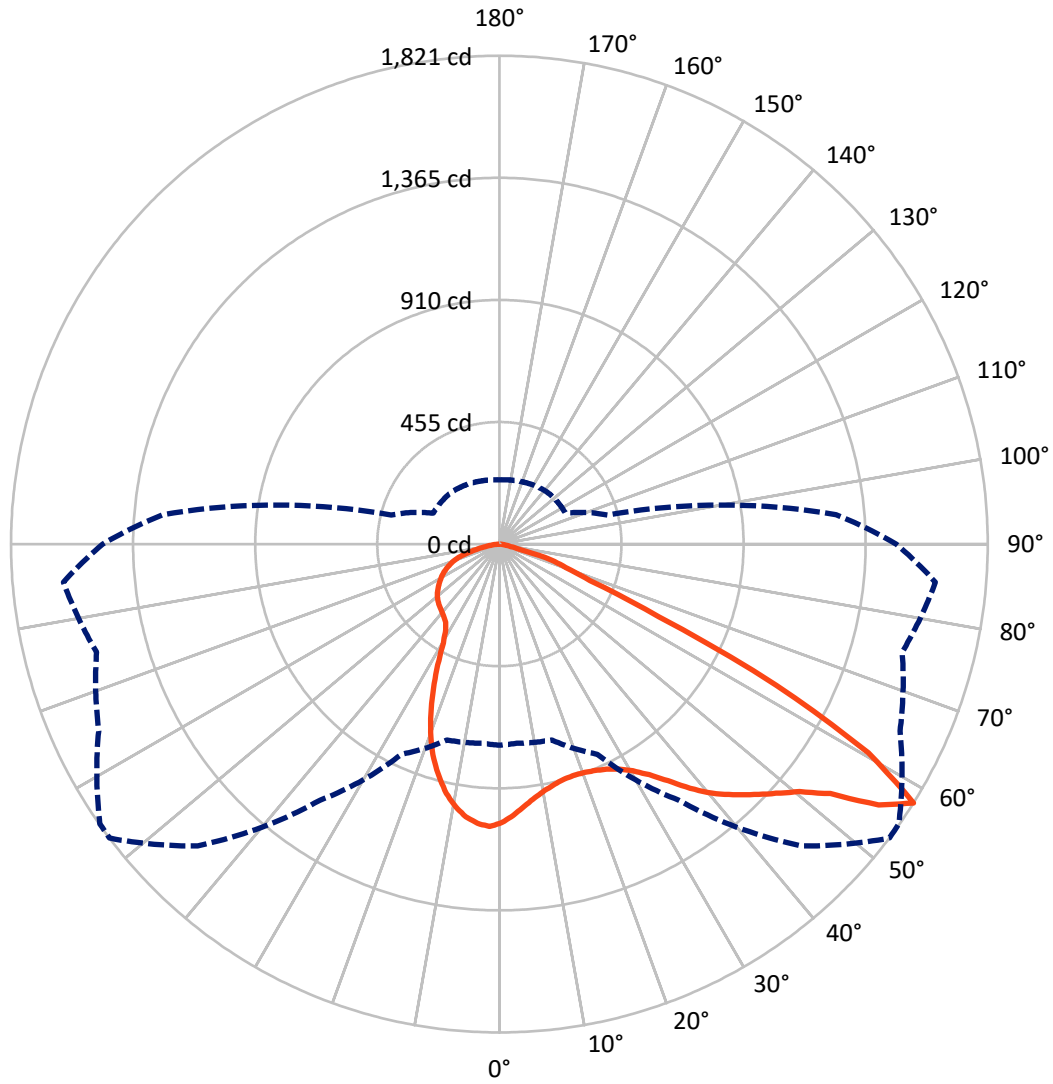
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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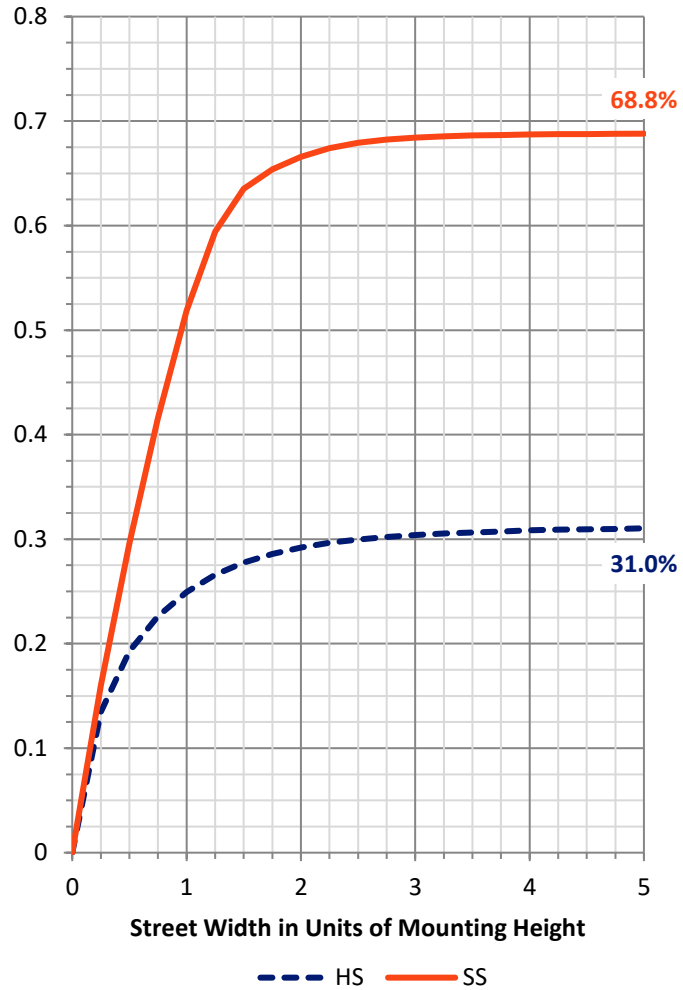
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1016.8	0.0	1016.8
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	2235.3	0.0	2235.3
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	3252.1	0.0	3252.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.9	2.9
10°-20°	246.4	7.6
20°-30°	363.0	11.2
30°-40°	508.1	15.6
40°-50°	667.9	20.5
50°-60°	783.2	24.1
60°-70°	461.4	14.2
70°-80°	114.8	3.5
80°-90°	13.5	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°	3252.1	100.0
0°-180°	3252.1	100.0

**Coefficient of Utilization**



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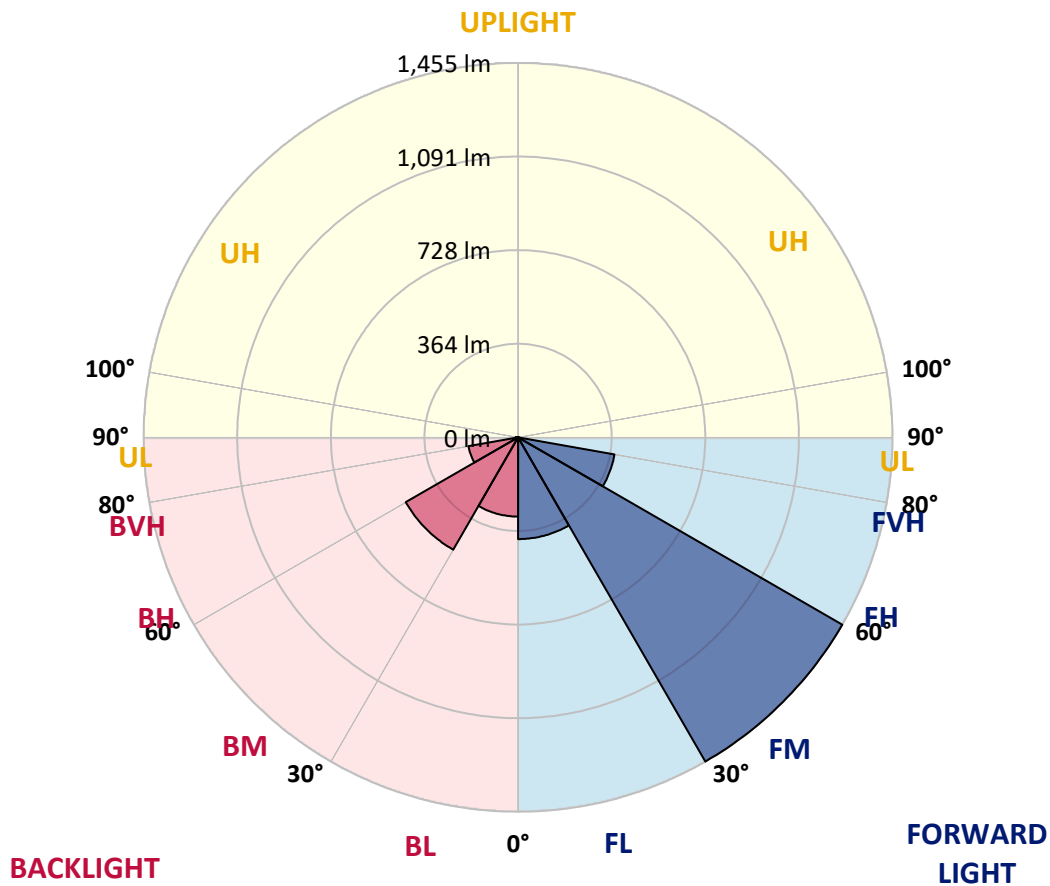
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.4	12.2			
FM (30°-60°)	1455.0	44.7			
FH (60°-80°)	380.4	11.7			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	307.9	9.5	B1/500		
BM (30°-60°)	504.2	15.5	B1/1000		
BH (60°-80°)	195.8	6.0	B1/500		G1/500
BVH (80°-90°)	9.0	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°	53°	55°	65°	75°	85°
0°	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5
2.5°	978.8	981.6	982.1	990.6	991.1	1003.4	1011.7	1010.0	1018.5	1028.9	1037.1
5°	932.0	932.3	935.0	945.1	950.6	966.8	980.5	980.5	996.9	1018.2	1036.6
7.5°	893.4	893.1	895.6	906.8	915.9	935.3	953.9	956.1	979.1	1010.3	1040.1
10°	857.6	859.5	862.2	875.9	887.4	911.5	933.6	937.2	966.2	1004.8	1045.1
12.5°	834.6	834.8	838.9	854.3	869.1	894.8	918.0	922.4	955.8	999.6	1048.6
15°	819.8	820.1	824.4	841.4	858.7	884.7	908.5	913.4	949.8	998.8	1055.5
17.5°	813.2	812.9	817.0	834.0	852.9	880.0	905.5	911.5	952.5	1005.1	1067.5
20°	813.2	813.5	815.7	831.0	850.2	878.9	908.5	915.9	963.2	1019.3	1086.1
22.5°	824.7	825.8	826.9	837.3	852.4	880.5	916.4	926.3	986.2	1043.1	1110.5
25°	847.2	847.4	848.5	857.0	863.9	885.2	929.5	944.3	1022.1	1077.9	1141.1
27.5°	877.3	881.1	882.2	887.7	887.7	896.7	950.1	971.4	1070.5	1128.0	1180.3
30°	919.4	920.8	922.7	928.7	922.2	918.3	980.2	1007.6	1126.6	1188.5	1227.3
32.5°	956.4	959.4	969.8	979.6	967.9	955.8	1024.5	1056.8	1180.5	1251.4	1277.4
35°	987.8	995.2	1015.2	1037.1	1028.9	1016.9	1083.4	1117.0	1224.9	1296.6	1321.8
37.5°	1025.9	1031.6	1059.0	1094.6	1102.0	1096.2	1155.1	1179.2	1254.4	1308.1	1345.9
40°	1064.5	1073.2	1108.6	1157.8	1186.0	1190.1	1221.3	1237.5	1264.6	1285.7	1341.2
42.5°	1103.9	1119.0	1167.4	1224.9	1275.0	1284.3	1277.2	1284.0	1261.3	1254.7	1319.6
45°	1152.1	1169.9	1224.6	1298.0	1363.9	1378.4	1331.9	1325.6	1260.7	1243.0	1306.2
47.5°	1209.0	1226.8	1279.1	1364.5	1448.8	1459.5	1388.0	1376.5	1279.9	1261.0	1324.2
50°	1259.4	1271.7	1318.5	1414.0	1527.9	1534.2	1449.9	1435.9	1327.5	1311.1	1380.6
52.5°	1208.2	1206.8	1256.1	1373.8	1568.9	1644.8	1545.1	1531.7	1419.5	1394.3	1467.9
55°	1025.1	1009.5	1053.5	1169.3	1454.3	1743.0	1715.9	1689.1	1542.1	1478.1	1549.8
57.5°	749.4	745.1	755.7	864.4	1164.9	1590.8	1820.5	1818.0	1648.1	1554.7	1631.4
60°	586.0	579.5	551.0	554.0	794.1	1242.7	1579.9	1652.4	1713.7	1600.7	1688.3
62.5°	520.3	515.4	500.6	459.8	473.0	833.2	1158.1	1224.6	1497.5	1413.7	1450.2
65°	430.8	429.5	441.8	440.1	396.3	460.1	653.6	720.7	941.6	953.4	941.6
67.5°	313.1	310.7	341.9	403.5	381.6	347.3	364.3	387.6	482.8	433.6	390.3
70°	203.6	200.1	218.2	291.5	341.6	302.7	262.5	258.7	265.5	165.1	178.5
72.5°	136.6	132.5	132.2	160.4	206.4	203.9	203.4	201.5	179.8	130.3	144.5
75°	76.1	72.8	72.0	69.3	73.9	75.3	80.2	82.9	89.8	98.8	109.5
77.5°	12.9	12.6	15.9	20.3	27.9	35.9	44.3	46.8	57.8	68.4	75.3
80°	7.1	7.4	9.6	11.8	15.6	21.3	27.4	29.0	35.6	41.3	46.8
82.5°	3.8	3.8	4.9	6.3	8.5	11.2	14.8	16.1	20.5	24.1	27.9
85°	1.4	1.4	1.9	2.5	3.6	4.7	5.7	6.6	9.0	12.3	14.0
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.1	1.1	1.4	2.5	3.6
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°	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5	1038.5
2.5°	1044.0	1036.6	1046.7	1051.3	1053.0	1054.1	1047.0	1042.0	1040.4	1035.2	1032.2
5°	1047.8	1042.9	1052.4	1052.4	1045.6	1038.5	1024.0	1013.8	1006.7	998.2	996.9
7.5°	1054.4	1050.8	1056.0	1045.3	1028.1	1008.9	983.7	964.0	948.2	937.8	938.0
10°	1063.1	1058.7	1054.6	1030.8	999.3	964.0	925.4	896.7	870.4	858.4	851.8
12.5°	1068.9	1062.6	1045.3	1005.9	959.7	912.3	857.8	815.1	777.1	759.8	758.5
15°	1076.0	1064.5	1030.0	973.6	909.3	844.7	774.6	715.2	663.8	636.9	635.6
17.5°	1085.3	1066.4	1011.7	936.7	856.2	760.9	672.8	598.1	543.3	522.5	526.1
20°	1098.4	1068.6	990.9	895.6	790.2	665.7	555.9	487.2	466.1	464.8	462.0
22.5°	1113.2	1070.0	967.9	849.6	710.3	564.1	459.3	430.0	429.7	436.6	438.2
25°	1129.9	1071.1	941.9	796.0	623.8	462.9	406.2	397.4	404.3	417.1	418.8
27.5°	1151.3	1073.2	910.4	737.1	531.8	399.9	376.9	374.7	382.9	395.0	394.4
30°	1182.7	1081.2	877.0	669.5	437.4	370.1	359.1	359.4	362.7	368.4	369.2
32.5°	1214.8	1093.5	844.4	593.4	383.2	353.1	348.2	347.6	347.6	350.1	350.6
35°	1245.1	1107.5	809.1	514.0	356.9	343.2	340.0	338.3	337.5	336.9	336.1
37.5°	1262.1	1114.3	774.6	435.8	343.0	336.7	333.4	331.2	328.2	326.0	325.4
40°	1254.7	1106.4	734.7	377.2	334.5	330.4	326.5	323.5	319.4	317.5	316.4
42.5°	1230.1	1081.7	691.1	349.5	327.6	323.5	318.9	314.0	311.2	309.6	309.3
45°	1204.1	1051.9	638.6	333.4	321.1	316.1	310.7	305.2	302.2	301.4	301.1
47.5°	1203.3	1037.1	582.7	320.5	313.1	308.2	301.4	295.9	292.6	291.5	290.4
50°	1239.4	1052.2	519.8	309.3	304.9	299.7	292.1	286.0	281.9	280.6	280.3
52.5°	1314.4	1108.8	463.4	298.1	294.0	288.0	281.7	275.6	270.7	268.2	268.0
55°	1395.4	1180.8	428.4	286.6	281.1	275.9	270.2	263.6	258.1	254.3	253.7
57.5°	1479.2	1259.4	417.7	272.1	268.0	264.4	257.6	250.5	244.2	240.6	239.8
60°	1548.1	1327.0	437.7	256.7	254.6	249.9	243.6	236.8	232.4	229.6	229.1
62.5°	1296.1	1080.4	353.4	240.1	240.1	235.1	228.0	223.1	220.1	218.2	217.6
65°	822.5	669.0	241.1	223.4	223.1	216.5	210.5	207.2	205.8	202.8	202.3
67.5°	358.3	305.7	206.1	206.4	205.3	198.2	192.1	189.7	186.9	183.7	183.4
70°	185.9	189.4	184.5	187.5	185.6	177.1	171.3	167.5	161.8	158.5	158.8
72.5°	150.0	153.8	159.3	164.0	159.9	153.0	144.0	139.3	131.9	128.4	128.6
75°	114.4	118.5	123.7	128.6	125.4	116.9	111.1	106.5	98.0	93.9	94.7
77.5°	78.8	81.0	87.3	87.0	85.9	83.5	75.0	69.5	60.8	55.8	56.4
80°	49.0	50.4	53.4	54.7	54.2	50.9	44.1	40.0	34.8	31.8	32.0
82.5°	29.6	30.4	33.1	33.4	33.1	30.7	25.5	22.4	19.2	17.5	17.5
85°	15.1	15.6	17.2	17.2	15.6	13.1	11.8	10.4	8.5	7.7	7.7
87.5°	4.1	4.1	5.2	4.4	3.6	3.3	1.6	1.4	0.5	0.3	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)