

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: P631107

Luminaire Tested: GWS-SA1F-722-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-SL4-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

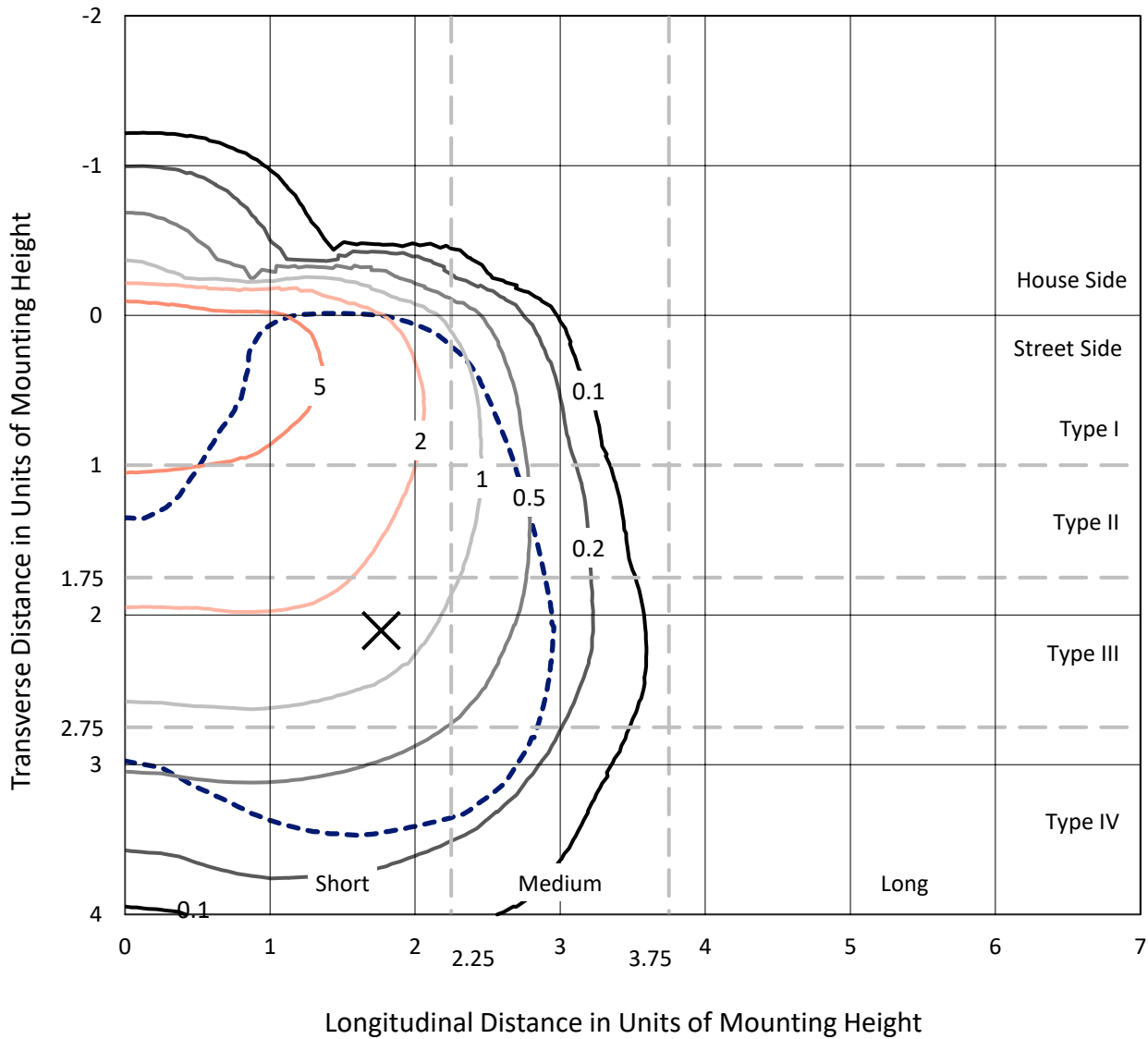
Lumens per Lamp: N/A  
Luminaire Lumens: 4889.6 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P631107  
 CATALOG NUMBER: GWS-SA1F-722-U-SL4-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

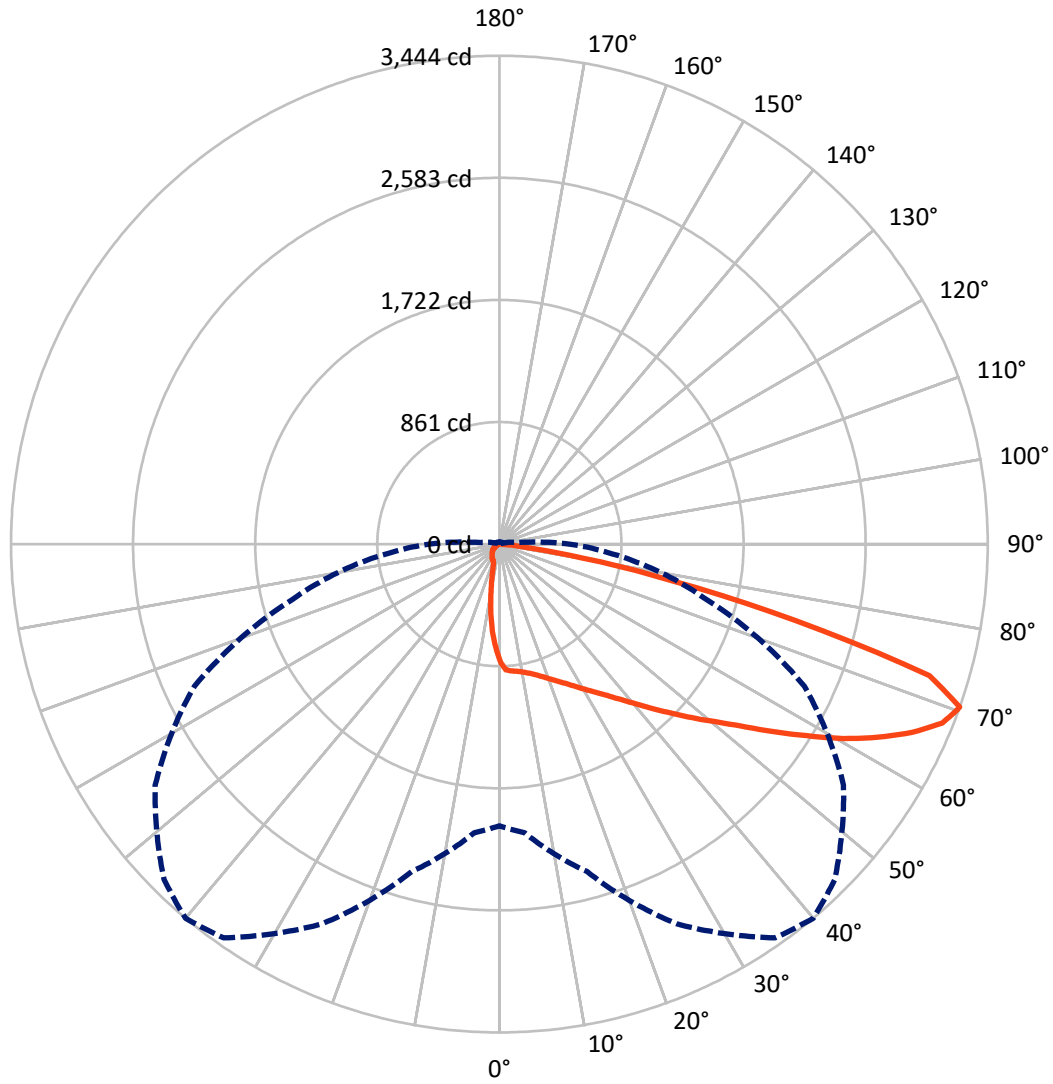
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc  
 Type IV - Short - N/A

REPORT NUMBER: P631107  
CATALOG NUMBER: GWS-SA1F-722-U-SL4-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P631107

CATALOG NUMBER: GWS-SA1F-722-U-SL4-W-HSS

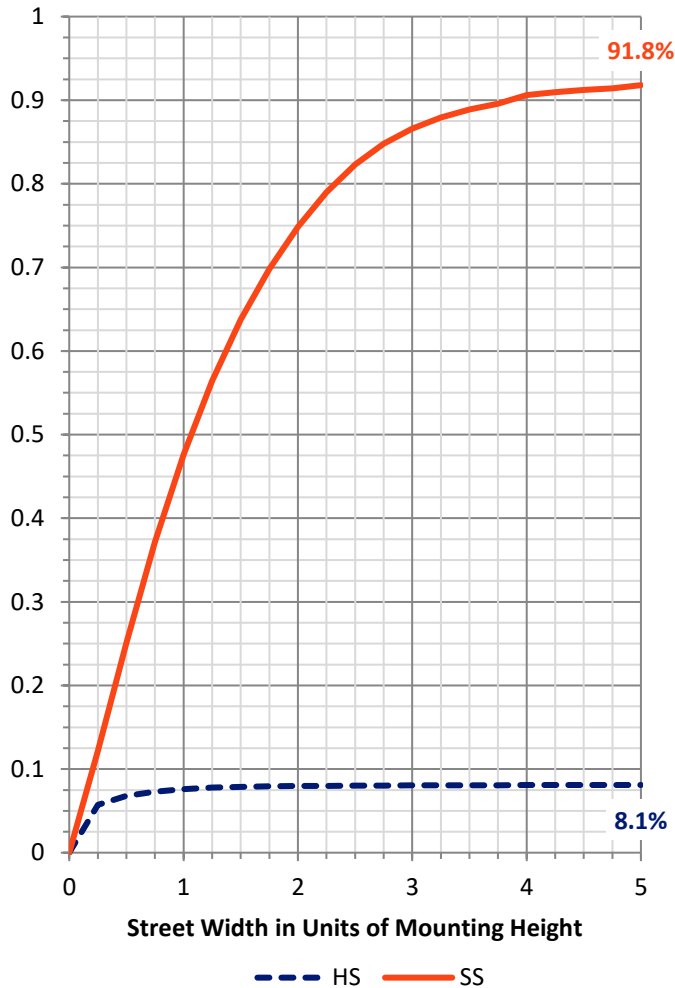
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	399.8	0.0	399.8
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	4489.8	0.0	4489.8
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	4889.6	0.0	4889.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.1	1.4
10°-20°	177.9	3.6
20°-30°	297.7	6.1
30°-40°	467.5	9.6
40°-50°	739.5	15.1
50°-60°	1078.8	22.1
60°-70°	1337.3	27.4
70°-80°	676.6	13.8
80°-90°	44.2	0.9
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°	4889.6	100.0
0°-180°	4889.6	100.0

**Coefficient of Utilization**



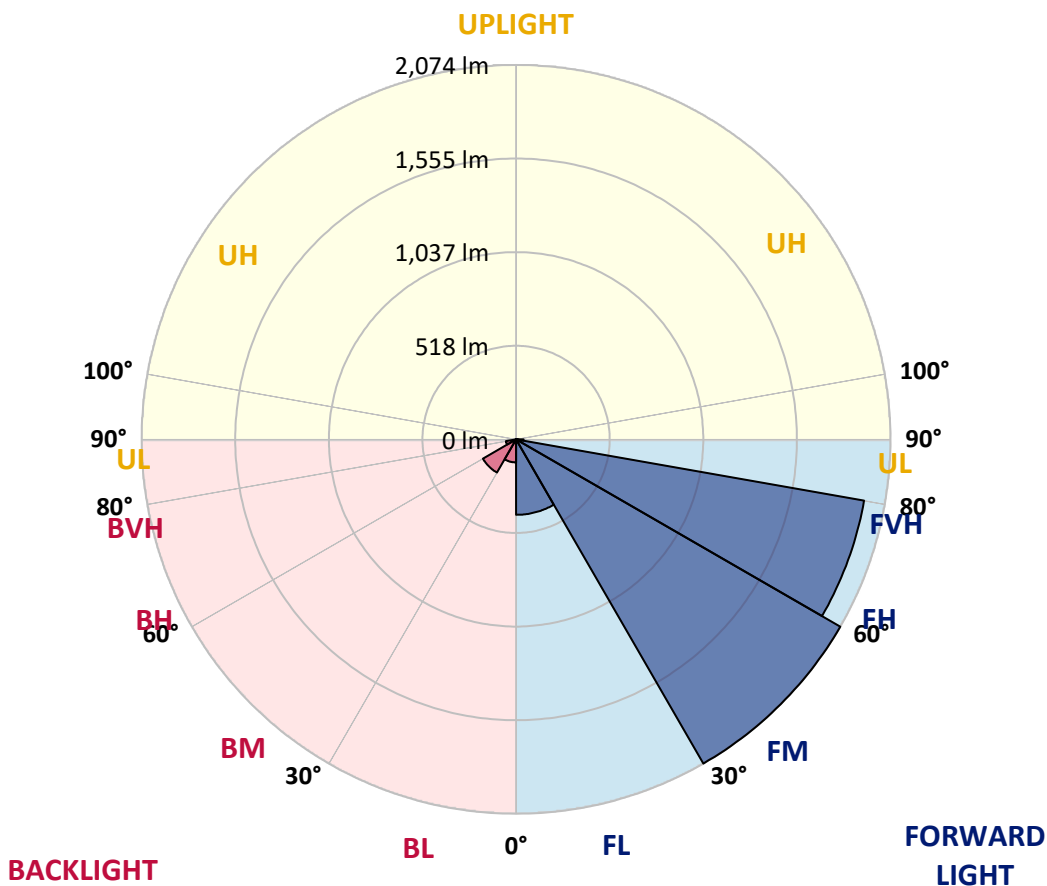
REPORT NUMBER: P631107

CATALOG NUMBER: GWS-SA1F-722-U-SL4-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.0	8.5			
FM (30°-60°)	2073.6	42.4			
FH (60°-80°)	1956.9	40.0			G2/5000
FVH (80°-90°)	41.3	0.8			G1/100
BL (0°-30°)	127.7	2.6	B1/500		
BM (30°-60°)	212.2	4.3	B0/220		
BH (60°-80°)	57.0	1.2	B0/110		G0/110
BVH (80°-90°)	2.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short





REPORT NUMBER: P631107

CATALOG NUMBER: GWS-SA1F-722-U-SL4-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7
2.5°	892.0	895.1	894.7	896.0	892.9	888.0	887.1	880.4	868.4	853.3	836.4
5°	910.2	913.8	911.1	909.8	904.0	898.7	897.3	890.2	876.4	856.0	826.6
7.5°	925.8	926.7	924.9	921.8	913.3	906.2	901.3	891.5	875.1	854.6	820.8
10°	928.5	928.0	928.9	929.4	924.0	917.8	913.8	900.4	879.5	857.7	821.3
12.5°	925.4	925.4	931.1	937.8	937.8	934.7	930.7	918.7	894.2	868.4	830.2
15°	929.4	930.7	941.8	954.3	958.3	955.2	953.4	940.9	915.6	887.1	846.2
17.5°	943.6	944.9	962.7	981.4	986.3	982.7	979.2	966.7	939.6	908.5	864.4
20°	964.5	968.1	990.8	1014.8	1019.2	1014.8	1007.7	990.3	963.2	931.6	881.8
22.5°	1002.8	1005.0	1029.5	1054.8	1057.0	1049.9	1039.2	1015.2	986.8	956.1	901.3
25°	1053.5	1056.6	1081.1	1105.5	1099.8	1089.1	1074.4	1047.3	1014.8	985.0	926.2
27.5°	1114.0	1117.5	1141.6	1162.9	1147.8	1135.3	1118.9	1085.1	1052.1	1025.0	958.3
30°	1179.4	1182.5	1203.9	1223.0	1203.0	1188.3	1168.7	1134.0	1100.6	1080.2	1003.7
32.5°	1242.6	1242.1	1262.6	1278.1	1257.7	1246.1	1228.3	1193.2	1166.5	1157.6	1071.3
35°	1301.3	1301.3	1318.2	1333.8	1319.1	1312.8	1296.4	1268.4	1253.2	1263.9	1161.6
37.5°	1360.5	1357.3	1373.4	1390.7	1389.4	1389.8	1380.5	1367.1	1368.0	1405.8	1285.7
40°	1409.4	1408.1	1426.7	1449.4	1467.2	1481.5	1475.7	1480.6	1508.6	1579.3	1444.5
42.5°	1448.5	1451.7	1475.7	1511.7	1556.6	1585.6	1589.6	1609.6	1681.7	1791.1	1623.8
45°	1493.5	1493.9	1527.3	1582.4	1654.1	1699.9	1715.9	1767.5	1869.8	2010.9	1820.5
47.5°	1548.6	1543.3	1580.7	1658.1	1761.7	1829.4	1857.8	1922.3	2080.7	2225.3	1980.6
50°	1609.6	1599.8	1642.1	1747.5	1882.3	1966.8	2024.7	2119.0	2289.8	2401.5	2099.8
52.5°	1680.3	1671.0	1719.0	1850.3	2026.9	2129.7	2203.9	2299.2	2469.1	2535.8	2171.0
55°	1770.2	1760.8	1811.6	1973.5	2197.7	2331.2	2409.0	2489.1	2635.9	2635.0	2222.6
57.5°	1869.8	1856.9	1927.2	2129.2	2410.8	2549.6	2628.8	2668.0	2762.7	2712.0	2257.3
60°	1984.2	1972.6	2070.0	2314.7	2656.8	2785.4	2835.2	2819.2	2866.8	2757.4	2245.3
62.5°	2087.4	2082.1	2203.1	2511.4	2891.3	2999.8	3013.6	2943.8	2943.3	2758.3	2164.4
65°	2194.6	2204.8	2384.6	2737.8	3127.1	3200.0	3176.5	3067.5	2974.0	2649.3	1925.0
67.5°	2234.6	2264.5	2504.2	2942.5	3313.0	3370.0	3328.6	3129.3	2846.4	2282.7	1465.9
70°	1987.3	2043.3	2391.2	2954.0	3390.0	3444.3	3345.1	2962.9	2373.0	1512.2	803.0
72.5°	1511.3	1576.7	1992.6	2418.8	3048.8	3172.5	3003.0	2413.9	1529.5	662.4	269.6
75°	845.7	916.5	1484.1	1821.4	2046.9	2159.9	2097.6	1548.6	677.6	173.1	80.5
77.5°	286.1	309.6	690.5	1126.9	1351.1	1249.7	1057.9	769.2	249.1	65.8	42.7
80°	169.5	178.4	257.1	561.0	710.9	589.5	465.3	284.3	126.8	35.1	29.8
82.5°	50.7	60.1	141.9	208.2	278.5	173.5	146.8	162.4	65.8	19.1	24.9
85°	0.0	0.0	30.3	64.5	73.0	28.5	28.5	92.1	12.0	8.0	18.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.2	1.3	1.8	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631107  
 CATALOG NUMBER: GWS-SA1F-722-U-SL4-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7
2.5°	824.4	808.8	790.6	773.2	756.7	735.4	725.2	712.7	702.0	696.2	699.4
5°	807.9	783.4	746.1	708.3	670.0	634.0	601.5	579.7	560.1	549.9	552.1
7.5°	793.7	760.7	702.5	640.6	579.2	517.4	467.1	428.0	397.7	385.3	383.0
10°	787.4	746.1	663.8	574.8	480.5	397.3	326.1	282.9	252.2	237.1	239.8
12.5°	790.6	738.5	630.8	510.3	387.9	291.0	222.9	182.4	160.6	151.7	149.5
15°	799.5	736.7	601.5	444.4	299.4	203.3	153.9	137.5	133.0	132.1	132.1
17.5°	809.7	737.2	571.2	377.7	227.3	150.8	131.7	128.6	127.2	126.3	126.8
20°	819.9	737.2	536.5	310.1	170.8	130.4	125.5	123.2	121.9	121.5	121.5
22.5°	832.4	737.2	497.8	247.4	137.0	123.7	119.7	118.3	117.0	116.6	116.1
25°	847.5	737.6	455.1	193.5	124.6	117.9	114.8	113.4	112.1	111.2	111.2
27.5°	869.3	741.2	408.0	150.8	117.4	112.6	109.9	108.6	107.2	105.9	105.9
30°	900.9	750.1	355.0	124.6	110.8	106.8	104.1	103.2	101.9	100.5	100.1
32.5°	948.0	765.6	300.3	111.7	104.5	100.5	97.4	96.5	95.2	93.9	93.4
35°	1013.9	794.1	246.9	103.7	96.5	92.5	90.8	90.3	88.5	87.2	87.2
37.5°	1110.4	840.4	195.7	95.6	89.9	86.8	84.5	83.6	81.9	80.5	80.1
40°	1228.3	900.4	152.1	89.4	83.6	80.5	78.3	77.0	74.7	73.0	72.1
42.5°	1378.7	973.8	120.1	82.7	77.9	74.7	73.0	70.3	67.2	64.5	64.1
45°	1535.3	1049.5	99.2	76.5	72.5	69.8	67.6	64.1	59.6	56.5	55.6
47.5°	1655.4	1096.6	86.8	69.8	66.7	64.5	61.8	57.4	52.1	48.5	47.6
50°	1741.3	1103.8	77.4	63.6	61.8	59.6	55.6	50.3	44.5	40.9	40.0
52.5°	1783.5	1071.7	69.8	57.8	56.5	54.3	49.4	43.6	37.4	33.8	32.9
55°	1802.7	1011.2	62.7	52.9	51.2	48.5	43.2	36.9	30.7	27.6	26.7
57.5°	1795.1	921.8	56.5	48.0	45.8	42.7	36.9	30.3	25.4	22.2	21.8
60°	1739.0	796.3	50.3	43.2	40.5	36.9	31.1	24.9	20.5	18.2	17.8
62.5°	1618.0	640.6	44.0	37.4	35.6	32.0	26.7	20.5	16.9	15.6	15.1
65°	1370.2	452.9	37.8	31.6	30.7	27.1	22.2	16.9	14.7	13.8	13.3
67.5°	985.0	275.4	32.0	27.1	26.2	23.1	18.7	14.7	13.3	12.9	12.9
70°	495.2	130.4	25.4	22.2	22.2	19.1	16.0	13.3	12.9	12.5	12.5
72.5°	168.2	55.6	19.1	17.4	18.2	16.5	13.8	12.5	12.5	12.5	12.5
75°	57.4	29.4	13.3	12.5	13.3	13.3	12.0	12.0	12.5	12.5	12.5
77.5°	37.4	19.6	9.3	8.5	10.2	10.2	10.2	11.1	12.0	12.0	12.0
80°	30.7	10.7	6.2	5.8	7.6	7.6	8.5	10.2	11.1	11.1	11.1
82.5°	26.2	6.7	3.6	4.0	5.3	5.8	7.1	8.5	9.8	10.2	10.2
85°	17.8	3.6	2.7	3.1	3.6	4.4	5.8	7.1	8.0	8.9	8.9
87.5°	4.9	1.3	1.8	2.2	2.2	3.1	4.4	5.3	6.2	6.7	6.7
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)