

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: P630116

Luminaire Tested: GWS-SA1D-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4376.4 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

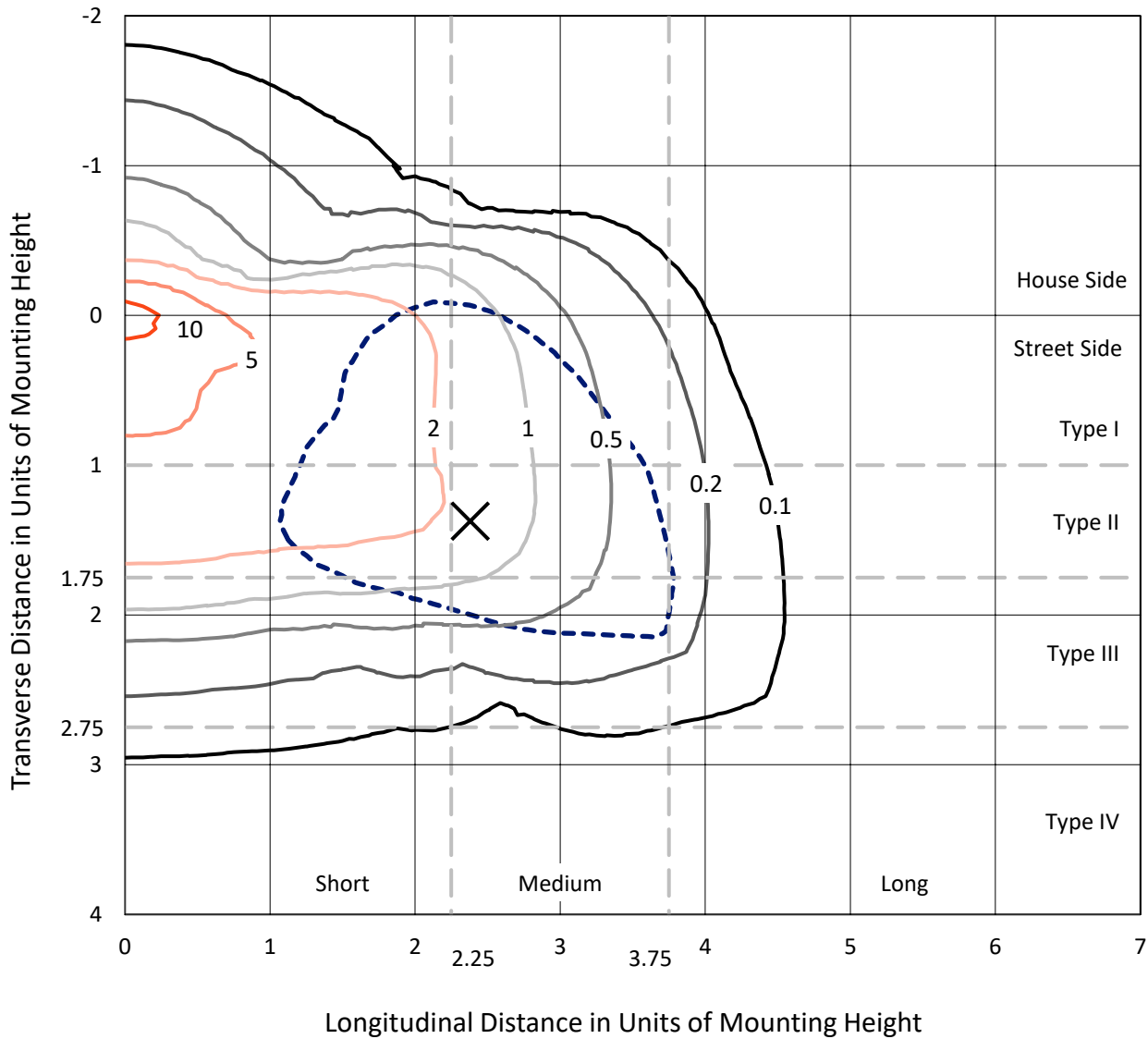
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

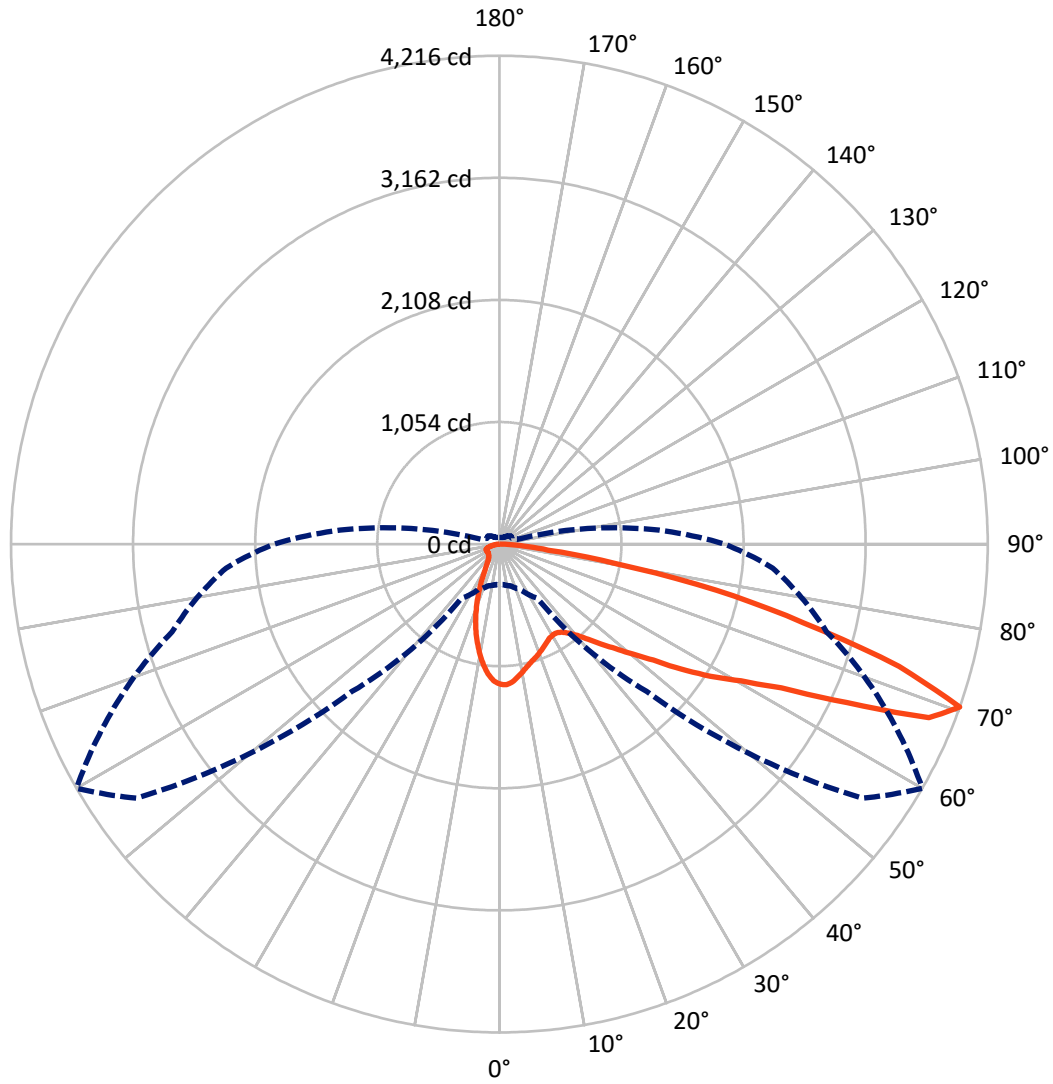
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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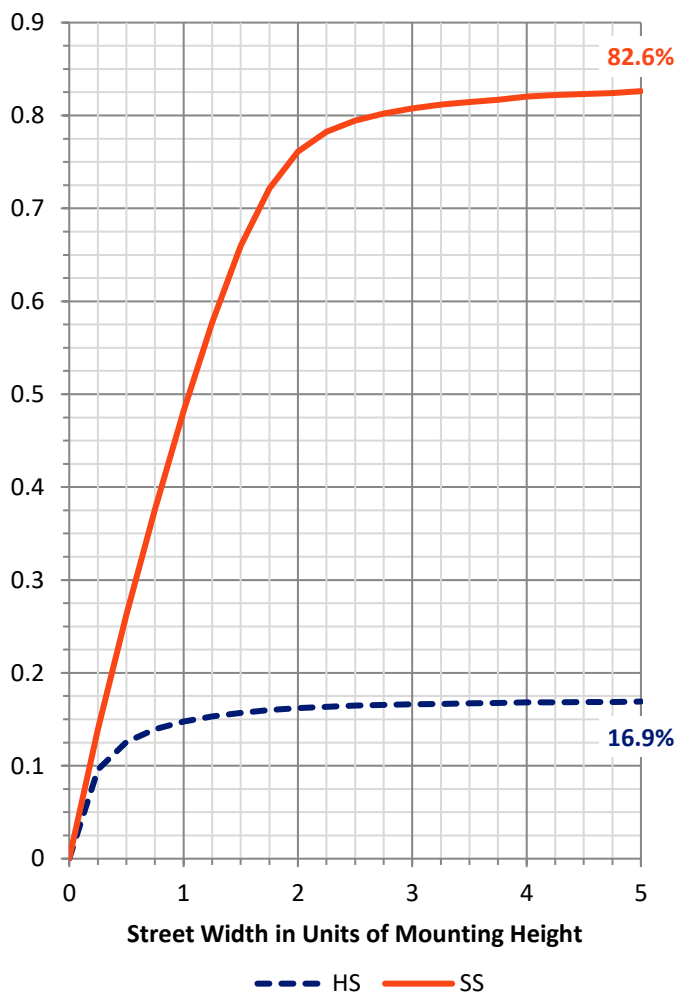
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	748.5	0.0	748.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	3627.9	0.0	3627.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	4376.4	0.0	4376.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	2.4
10°-20°	233.9	5.3
20°-30°	299.5	6.8
30°-40°	393.6	9.0
40°-50°	571.0	13.0
50°-60°	891.0	20.4
60°-70°	1166.5	26.7
70°-80°	645.0	14.7
80°-90°	71.6	1.6
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°	4376.4	100.0
0°-180°	4376.4	100.0

Coefficient of Utilization



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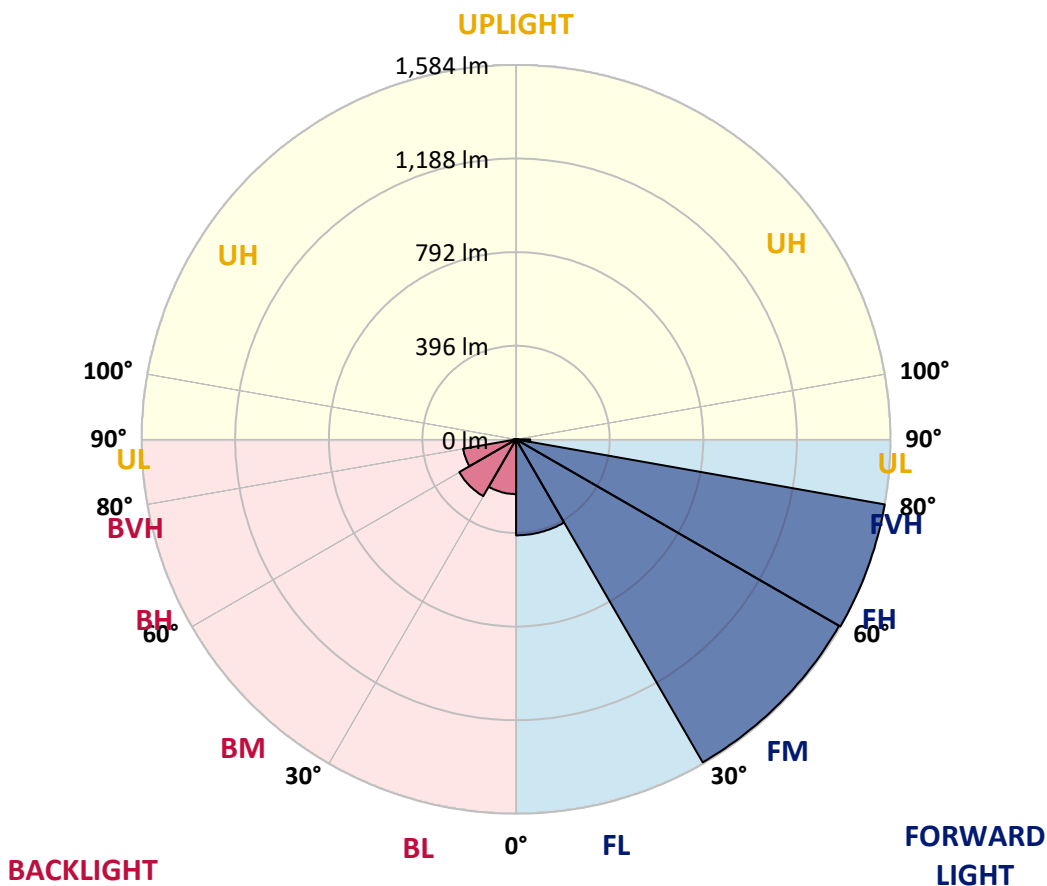
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.2	9.3			
FM (30°-60°)	1578.1	36.1			
FH (60°-80°)	1584.0	36.2			G1/1800
FVH (80°-90°)	59.6	1.4			G1/100
BL (0°-30°)	231.6	5.3	B1/500		
BM (30°-60°)	277.5	6.3	B1/1000		
BH (60°-80°)	227.5	5.2	B1/500		G1/500
BVH (80°-90°)	11.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1194.0	1195.3	1198.8	1204.0	1209.1	1211.6	1218.1	1216.1	1214.8	1212.3	1209.1
5°	1141.2	1143.8	1147.0	1156.9	1168.1	1177.1	1191.5	1193.1	1193.7	1195.0	1189.9
7.5°	1074.0	1074.6	1082.3	1095.4	1110.1	1125.5	1149.5	1156.3	1162.0	1168.4	1164.3
10°	999.7	1001.3	1007.0	1025.9	1051.2	1074.0	1106.3	1117.5	1129.7	1143.8	1138.0
12.5°	938.8	939.2	948.4	968.6	996.2	1026.9	1067.2	1080.7	1096.7	1118.8	1113.7
15°	890.5	890.5	899.1	916.4	948.1	984.3	1032.3	1049.6	1071.4	1101.2	1092.2
17.5°	852.1	852.4	857.8	876.1	904.3	944.3	1001.3	1024.6	1048.7	1088.0	1074.6
20°	831.9	830.3	831.2	842.5	866.5	905.2	970.2	997.4	1029.8	1079.1	1058.6
22.5°	830.9	828.0	823.9	824.8	838.9	871.0	936.9	969.9	1010.6	1071.7	1042.3
25°	847.3	844.1	836.7	828.4	827.1	846.3	905.5	943.0	990.7	1068.5	1026.6
27.5°	874.8	872.6	862.9	850.5	837.3	836.7	881.8	920.9	976.3	1071.7	1015.4
30°	911.3	907.5	901.4	885.4	865.5	845.0	872.6	909.1	966.7	1082.0	1010.6
32.5°	952.6	950.4	944.6	928.6	907.5	874.8	879.9	911.6	966.7	1099.9	1011.5
35°	996.5	996.2	996.2	985.6	962.2	921.5	909.1	933.4	981.4	1128.7	1021.8
37.5°	1039.1	1038.7	1049.0	1052.8	1026.2	982.4	958.7	976.9	1013.8	1171.3	1047.1
40°	1073.6	1074.9	1097.3	1116.5	1101.8	1061.2	1027.9	1037.1	1066.3	1231.8	1091.3
42.5°	1108.5	1112.1	1145.7	1179.6	1185.4	1150.2	1116.5	1122.0	1141.5	1311.9	1157.2
45°	1146.6	1148.2	1195.3	1242.7	1270.6	1249.8	1222.2	1229.6	1234.1	1410.8	1255.5
47.5°	1183.5	1187.6	1248.5	1313.5	1366.3	1364.4	1349.0	1346.8	1347.7	1531.2	1371.7
50°	1233.7	1239.8	1311.2	1389.7	1467.2	1502.7	1507.2	1490.2	1483.2	1665.1	1516.5
52.5°	1329.2	1329.2	1393.2	1470.4	1574.4	1662.5	1692.6	1664.7	1642.3	1806.6	1670.2
55°	1448.6	1453.7	1504.6	1567.1	1699.0	1830.6	1932.4	1901.7	1838.3	1960.6	1831.2
57.5°	1501.8	1508.2	1588.8	1685.9	1862.0	2021.8	2163.0	2152.1	2059.5	2120.7	1998.4
60°	1405.7	1419.1	1530.2	1692.9	2009.6	2330.1	2429.7	2398.0	2265.8	2288.8	2179.6
62.5°	1172.6	1187.3	1310.6	1537.6	1989.1	2663.4	2850.1	2733.3	2523.2	2501.1	2421.1
65°	699.6	699.0	847.3	1148.2	1736.5	2756.0	3515.5	3297.4	2920.9	2792.5	2669.5
67.5°	444.8	443.8	474.9	608.4	1155.6	2529.3	3943.3	4000.0	3461.1	3006.7	2690.0
70°	350.9	350.6	373.0	433.9	571.6	1799.9	3824.2	4216.4	3787.4	2925.1	2368.5
72.5°	255.8	256.5	291.1	363.4	440.9	903.6	3096.7	3607.7	3483.5	2582.1	1922.8
75°	183.8	184.8	205.6	278.3	406.7	494.1	2059.2	2712.8	2650.3	2069.8	1322.8
77.5°	116.9	118.2	136.4	195.0	328.5	399.0	1248.5	1915.1	1763.4	1166.2	470.4
80°	71.4	75.6	90.9	145.4	262.6	299.4	624.1	1009.0	883.1	319.9	158.2
82.5°	36.8	40.0	54.8	90.0	180.9	262.9	353.2	423.9	273.5	133.8	84.2
85°	11.5	13.4	19.2	36.5	86.1	163.0	233.7	210.7	125.5	63.1	39.1
87.5°	2.9	2.9	3.2	3.2	3.5	7.4	45.1	47.7	33.3	19.9	16.0
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°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1202.7	1195.0	1191.8	1191.5	1183.5	1171.9	1164.3	1158.8	1155.6	1155.0	1155.0
5°	1181.2	1171.3	1158.2	1148.2	1126.8	1105.0	1086.8	1076.5	1064.7	1063.1	1062.8
7.5°	1152.7	1138.3	1113.3	1085.5	1048.0	1011.8	981.1	960.3	939.5	935.6	934.4
10°	1122.0	1102.5	1059.9	1010.9	954.8	900.7	853.7	816.8	792.5	775.2	772.0
12.5°	1091.6	1065.6	1003.2	930.2	853.3	779.4	708.6	648.4	604.9	579.6	575.1
15°	1063.1	1026.9	941.4	848.2	748.3	647.1	546.9	468.8	407.6	385.8	380.7
17.5°	1037.1	992.0	881.5	763.4	638.8	506.6	392.6	323.1	287.2	276.3	273.8
20°	1011.2	956.1	820.7	674.0	522.6	374.3	286.9	254.2	240.8	236.6	235.3
22.5°	983.3	916.7	754.4	586.0	405.1	280.2	234.7	220.3	216.1	216.5	216.1
25°	955.5	876.7	684.9	490.2	301.6	227.3	204.9	199.5	200.4	203.3	204.0
27.5°	932.4	841.2	616.7	385.2	235.7	195.6	185.1	184.8	188.3	192.1	192.8
30°	915.8	809.5	549.5	296.2	194.0	173.9	169.7	171.6	175.8	178.7	179.6
32.5°	903.9	782.3	477.7	232.8	170.0	158.5	156.6	158.5	161.1	163.9	164.6
35°	899.8	762.4	407.3	189.9	153.7	147.3	146.0	147.0	148.3	149.9	150.5
37.5°	909.1	752.5	333.7	165.2	143.8	139.9	138.0	137.4	137.7	138.3	138.6
40°	936.6	757.0	273.5	150.8	137.4	133.8	130.6	129.4	129.0	129.7	129.4
42.5°	984.0	775.9	229.9	142.5	132.2	127.1	123.6	122.3	122.3	123.9	123.9
45°	1053.5	813.0	198.5	136.4	127.8	121.4	117.5	116.9	118.2	120.7	121.0
47.5°	1155.3	867.4	179.6	131.9	123.6	116.2	112.4	112.1	114.6	118.8	119.1
50°	1276.0	945.9	169.4	128.7	120.7	112.1	108.2	108.5	111.4	115.9	116.9
52.5°	1421.4	1052.8	170.0	127.4	119.1	109.5	105.7	105.0	107.9	112.4	113.4
55°	1571.6	1182.8	182.5	127.8	116.9	108.2	103.1	100.9	103.4	106.6	106.9
57.5°	1736.8	1329.5	213.6	127.1	114.0	106.9	100.9	95.7	97.3	99.3	100.2
60°	1923.1	1502.1	280.5	128.4	112.7	104.1	96.4	89.7	89.3	90.6	90.9
62.5°	2172.3	1736.8	355.7	130.6	115.6	100.5	89.7	82.6	81.3	82.0	82.3
65°	2362.8	1848.9	332.1	128.7	121.7	98.0	83.3	75.9	73.3	72.7	72.7
67.5°	2285.3	1700.6	231.2	123.6	124.6	98.3	78.1	68.8	65.6	64.0	63.7
70°	1944.6	1381.4	160.7	118.5	121.4	97.7	72.7	63.1	58.9	56.7	56.4
72.5°	1536.3	1054.7	130.0	108.2	110.1	88.1	64.7	56.7	53.2	50.3	50.3
75°	988.8	643.6	108.5	96.4	90.0	68.5	56.0	50.6	47.1	44.2	44.2
77.5°	332.7	238.9	84.2	81.7	67.2	51.6	47.1	43.5	40.7	38.1	37.8
80°	135.1	113.4	61.8	61.8	47.1	39.4	36.8	35.2	33.3	30.1	30.1
82.5°	78.4	68.8	43.2	37.5	31.4	27.2	25.6	24.0	24.0	21.8	21.8
85°	37.8	38.1	25.9	23.1	17.9	15.7	15.0	14.1	13.8	12.5	12.2
87.5°	20.5	20.8	13.1	10.2	7.0	6.1	5.1	4.8	4.5	4.2	4.2
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)