

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: P632117

Luminaire Tested: GWS-SA2C-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5818.7 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

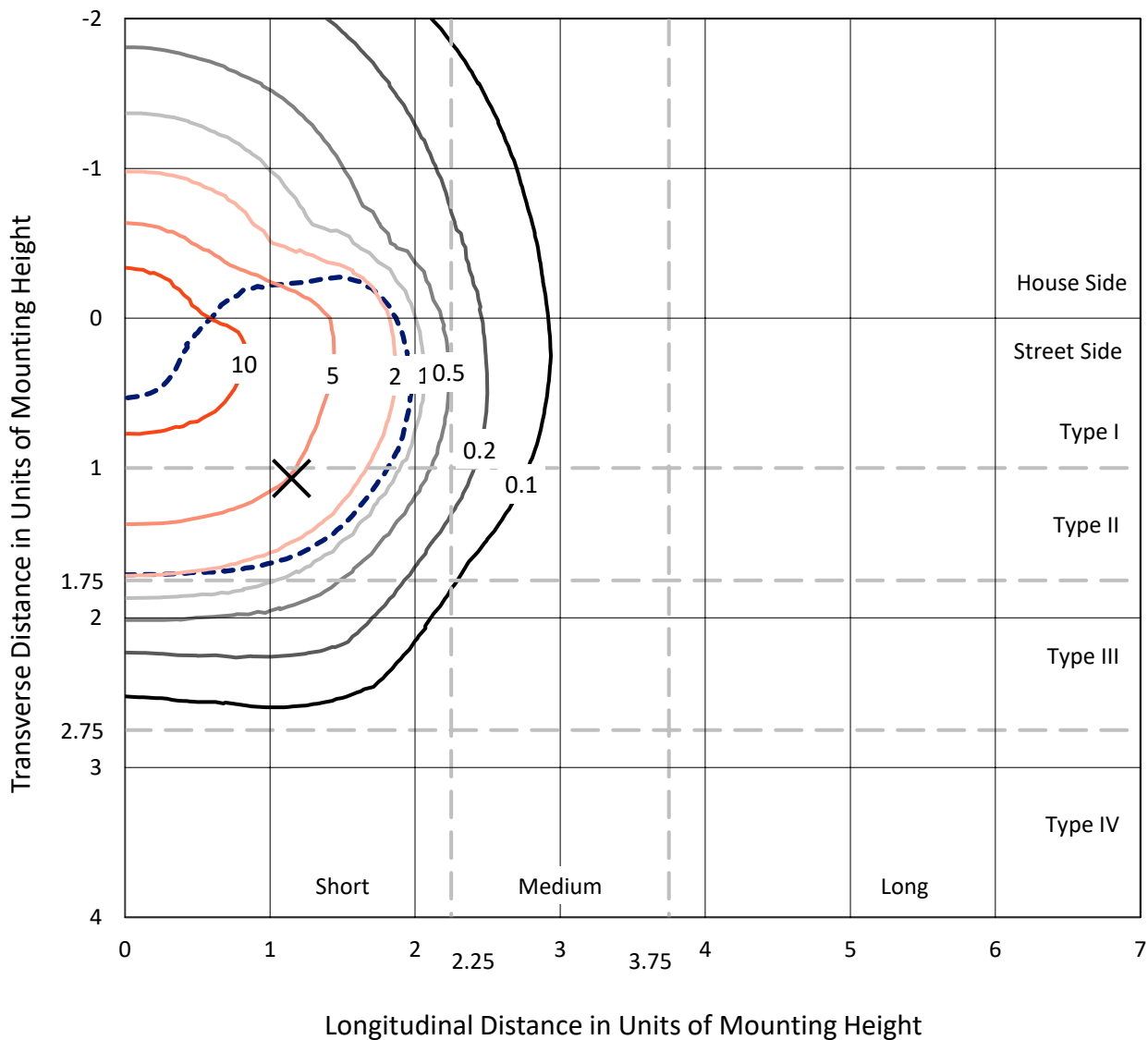
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

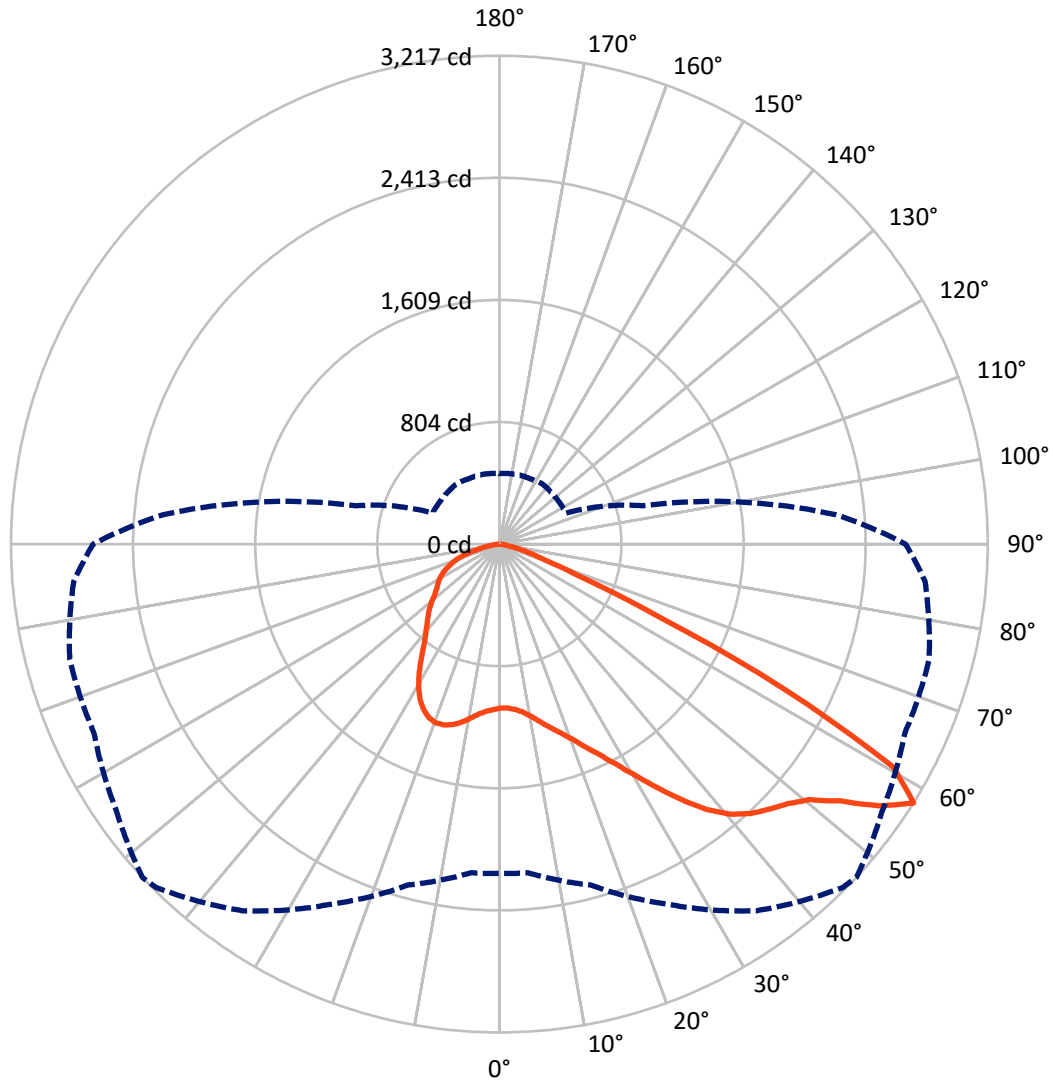
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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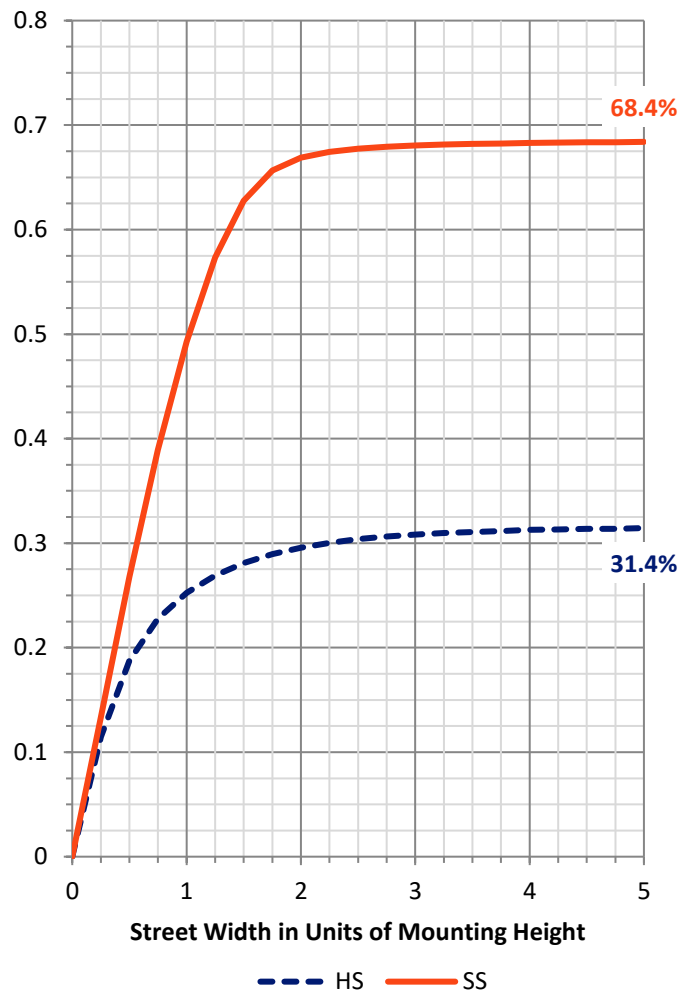
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1841.6	0.0	1841.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	3977.1	0.0	3977.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	5818.7	0.0	5818.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	1.8
10°-20°	350.1	6.0
20°-30°	630.3	10.8
30°-40°	952.0	16.4
40°-50°	1282.0	22.0
50°-60°	1540.5	26.5
60°-70°	750.3	12.9
70°-80°	184.8	3.2
80°-90°	22.2	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°	5818.7	100.0
0°-180°	5818.7	100.0

Coefficient of Utilization



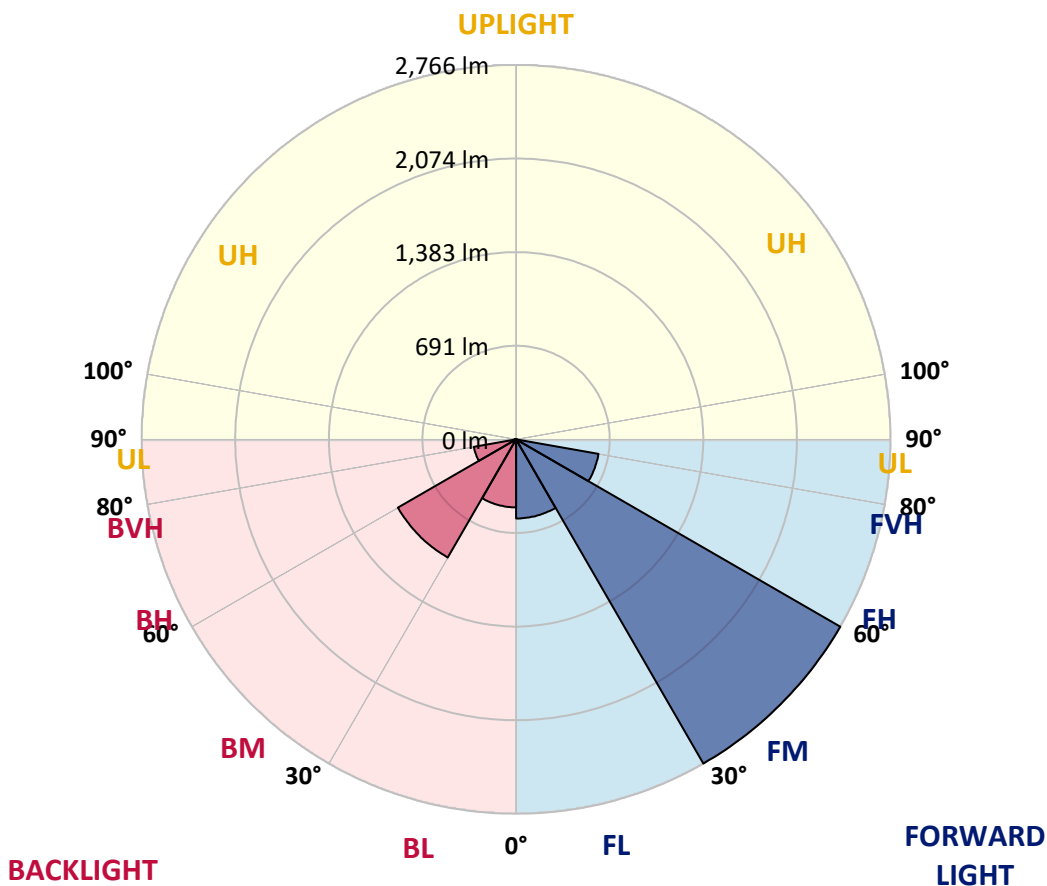
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.5	10.0			
FM (30°-60°)	2765.9	47.5			
FH (60°-80°)	618.3	10.6			G0/660
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	502.4	8.6	B2/1000		
BM (30°-60°)	1008.6	17.3	B2/2500		
BH (60°-80°)	316.7	5.4	B1/500		G1/500
BVH (80°-90°)	13.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1
2.5°	1077.1	1076.6	1076.6	1079.6	1079.6	1080.6	1082.0	1083.5	1084.0	1081.5	1076.2
5°	1088.9	1088.9	1088.9	1091.3	1091.3	1092.3	1094.2	1094.7	1094.2	1090.3	1085.0
7.5°	1107.4	1107.4	1107.9	1110.9	1113.3	1114.8	1118.2	1117.7	1116.2	1109.9	1103.0
10°	1137.7	1139.2	1140.7	1144.1	1149.0	1152.4	1154.8	1154.8	1152.9	1143.1	1134.3
12.5°	1180.7	1182.7	1184.2	1187.1	1191.0	1196.9	1202.2	1202.2	1199.8	1187.6	1174.4
15°	1231.1	1233.0	1232.5	1233.5	1240.9	1249.2	1253.6	1256.5	1257.5	1240.4	1219.8
17.5°	1288.7	1290.7	1288.7	1285.8	1286.8	1300.0	1307.8	1318.6	1324.9	1301.9	1269.2
20°	1341.0	1339.1	1339.1	1341.0	1344.0	1360.1	1371.8	1389.4	1397.2	1369.4	1318.6
22.5°	1396.3	1400.7	1398.7	1398.7	1410.4	1437.3	1451.5	1474.5	1482.8	1446.6	1378.2
25°	1467.6	1471.5	1470.5	1471.5	1485.2	1523.3	1537.5	1580.0	1588.3	1536.5	1444.2
27.5°	1545.8	1552.2	1555.1	1554.1	1576.1	1626.0	1643.6	1702.7	1717.8	1637.2	1514.5
30°	1647.5	1654.3	1656.7	1655.8	1681.7	1749.6	1769.6	1837.1	1858.6	1756.4	1604.0
32.5°	1765.2	1772.1	1779.4	1782.3	1815.6	1885.0	1913.8	1983.7	2014.5	1894.3	1712.0
35°	1882.0	1887.9	1902.1	1925.1	1970.5	2041.4	2066.8	2135.7	2165.5	2037.5	1842.5
37.5°	2011.1	2015.0	2027.2	2059.0	2124.5	2191.9	2217.3	2283.3	2286.7	2175.8	1990.1
40°	2152.3	2152.3	2149.9	2181.1	2249.6	2317.5	2339.5	2377.6	2357.6	2282.3	2133.7
42.5°	2272.0	2270.1	2272.0	2301.4	2352.2	2407.4	2426.5	2419.1	2393.7	2363.9	2263.7
45°	2380.0	2381.5	2399.1	2421.6	2448.0	2480.7	2492.0	2450.4	2427.5	2429.4	2367.8
47.5°	2453.4	2454.8	2495.9	2533.5	2549.6	2559.9	2555.0	2497.3	2485.6	2507.6	2448.0
50°	2463.1	2471.0	2541.8	2619.0	2659.1	2660.6	2646.9	2576.5	2573.1	2598.0	2491.0
52.5°	2465.1	2472.9	2561.4	2700.6	2804.7	2826.7	2811.1	2737.8	2702.1	2677.2	2543.8
55°	2457.8	2466.6	2564.3	2755.4	2954.8	3042.7	3044.2	2940.6	2826.7	2810.1	2694.3
57.5°	2169.9	2173.3	2324.8	2616.1	2948.9	3198.2	3217.2	3076.5	2946.5	2930.8	2815.0
60°	1511.6	1525.3	1690.0	2074.6	2477.3	2916.7	2978.2	2937.2	2850.2	2736.3	2415.2
62.5°	757.0	768.8	933.9	1297.5	1708.6	2055.5	2121.5	2165.0	2185.5	2063.4	1644.5
65°	326.0	334.8	437.4	677.8	967.2	1134.8	1157.8	1210.1	1338.1	1193.9	886.0
67.5°	218.0	223.8	276.1	413.5	569.8	580.6	577.2	588.4	616.3	508.8	400.3
70°	167.1	172.0	207.2	303.0	409.5	350.4	331.8	301.0	327.0	333.3	324.5
72.5°	121.2	125.1	151.5	206.7	256.6	223.8	220.9	236.5	271.7	281.5	276.1
75°	78.2	80.1	96.3	113.4	132.4	143.7	149.5	177.9	213.6	220.9	214.5
77.5°	52.3	53.8	63.0	72.8	75.3	75.8	77.7	90.4	114.8	128.5	127.1
80°	27.4	27.4	30.8	30.8	35.2	42.0	44.0	52.3	63.5	70.4	70.9
82.5°	10.8	11.2	13.2	14.7	17.6	21.5	23.0	27.4	33.2	38.1	42.5
85°	4.4	4.9	5.4	6.4	7.8	9.8	10.3	11.7	15.6	19.5	22.0
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	1.5	2.0	2.4	4.4	5.9
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°	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1
2.5°	1082.5	1076.2	1082.5	1084.5	1089.8	1091.8	1088.4	1087.9	1087.9	1083.0	1081.5
5°	1089.8	1084.0	1090.3	1093.3	1101.1	1106.0	1106.9	1110.9	1113.3	1111.3	1110.9
7.5°	1107.9	1100.6	1107.4	1111.8	1122.1	1129.9	1133.3	1142.1	1148.5	1147.5	1147.0
10°	1139.7	1129.9	1137.7	1145.1	1156.3	1165.6	1166.1	1171.0	1177.3	1175.4	1174.4
12.5°	1176.3	1167.1	1175.9	1183.2	1196.4	1200.3	1193.9	1192.0	1193.0	1190.5	1188.6
15°	1221.3	1208.1	1215.9	1224.2	1231.6	1227.2	1213.5	1208.1	1207.6	1204.2	1202.2
17.5°	1266.3	1249.6	1255.5	1259.9	1256.5	1242.8	1225.7	1216.4	1212.0	1205.2	1203.2
20°	1310.7	1289.7	1288.7	1285.3	1269.7	1244.8	1221.8	1203.2	1192.0	1182.7	1179.3
22.5°	1361.6	1332.2	1317.6	1301.9	1267.7	1227.2	1192.5	1166.1	1148.0	1136.3	1132.4
25°	1416.3	1374.8	1344.5	1313.2	1248.2	1189.5	1141.2	1105.0	1083.5	1070.8	1066.4
27.5°	1470.5	1413.4	1367.9	1314.6	1209.1	1135.3	1070.3	1021.4	999.9	989.7	986.2
30°	1543.9	1464.7	1395.8	1295.6	1157.8	1060.0	978.9	929.5	915.4	908.0	905.1
32.5°	1628.4	1529.7	1432.9	1255.5	1092.3	972.1	886.5	852.3	842.5	828.4	827.9
35°	1739.8	1622.5	1468.1	1196.4	1009.7	877.7	815.7	791.2	773.6	751.2	749.2
37.5°	1869.8	1738.4	1487.2	1121.1	913.4	800.0	762.9	735.5	707.2	677.4	673.5
40°	2004.2	1873.7	1488.6	1032.2	819.1	748.7	717.4	681.8	646.6	613.3	608.9
42.5°	2145.5	1999.8	1462.7	929.5	741.9	704.2	672.5	627.5	587.9	565.4	563.0
45°	2271.6	2101.5	1404.1	821.5	684.7	667.1	626.5	578.2	557.1	541.0	537.6
47.5°	2370.8	2168.9	1324.9	724.8	638.3	629.0	576.2	551.3	535.1	520.5	517.1
50°	2419.6	2184.1	1221.8	646.1	595.3	584.0	547.9	528.8	518.0	506.3	503.4
52.5°	2480.2	2201.2	1132.8	580.1	553.2	538.1	524.4	509.2	501.4	494.1	491.6
55°	2619.5	2265.7	1085.9	527.3	513.2	506.3	504.4	491.6	489.2	484.3	479.9
57.5°	2676.2	2224.1	975.0	484.3	481.4	482.4	487.3	475.5	473.1	467.2	464.3
60°	2152.3	1681.2	660.3	447.2	455.0	461.3	466.2	454.5	451.1	450.1	446.2
62.5°	1379.2	1034.1	460.9	412.5	424.2	432.0	435.0	423.7	421.3	429.1	429.6
65°	717.9	563.5	373.9	375.3	385.1	396.8	402.7	398.8	397.8	406.1	406.6
67.5°	366.5	344.5	326.0	331.3	339.2	354.3	368.0	385.1	391.0	392.0	392.4
70°	312.3	302.5	293.2	296.7	305.0	313.3	326.5	334.8	325.0	322.6	321.6
72.5°	265.9	258.5	254.1	258.0	262.4	261.0	257.1	261.0	262.4	262.9	263.4
75°	206.7	201.4	197.9	198.4	198.4	193.0	185.7	181.3	176.4	172.5	172.5
77.5°	126.6	127.6	131.0	130.5	130.0	128.0	120.7	116.8	105.1	101.7	101.7
80°	72.3	73.8	77.2	78.2	78.2	75.8	68.4	64.0	58.6	56.2	55.7
82.5°	44.0	45.9	47.9	48.9	49.4	46.4	40.1	36.7	33.7	31.3	31.3
85°	23.0	23.9	25.9	26.4	24.9	22.0	18.6	17.1	14.2	13.7	13.7
87.5°	6.4	6.8	7.8	6.4	5.9	4.4	2.4	2.0	1.0	0.5	0.5
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)