

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: P634078

Luminaire Tested: GWS-SA3B-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7358.2 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

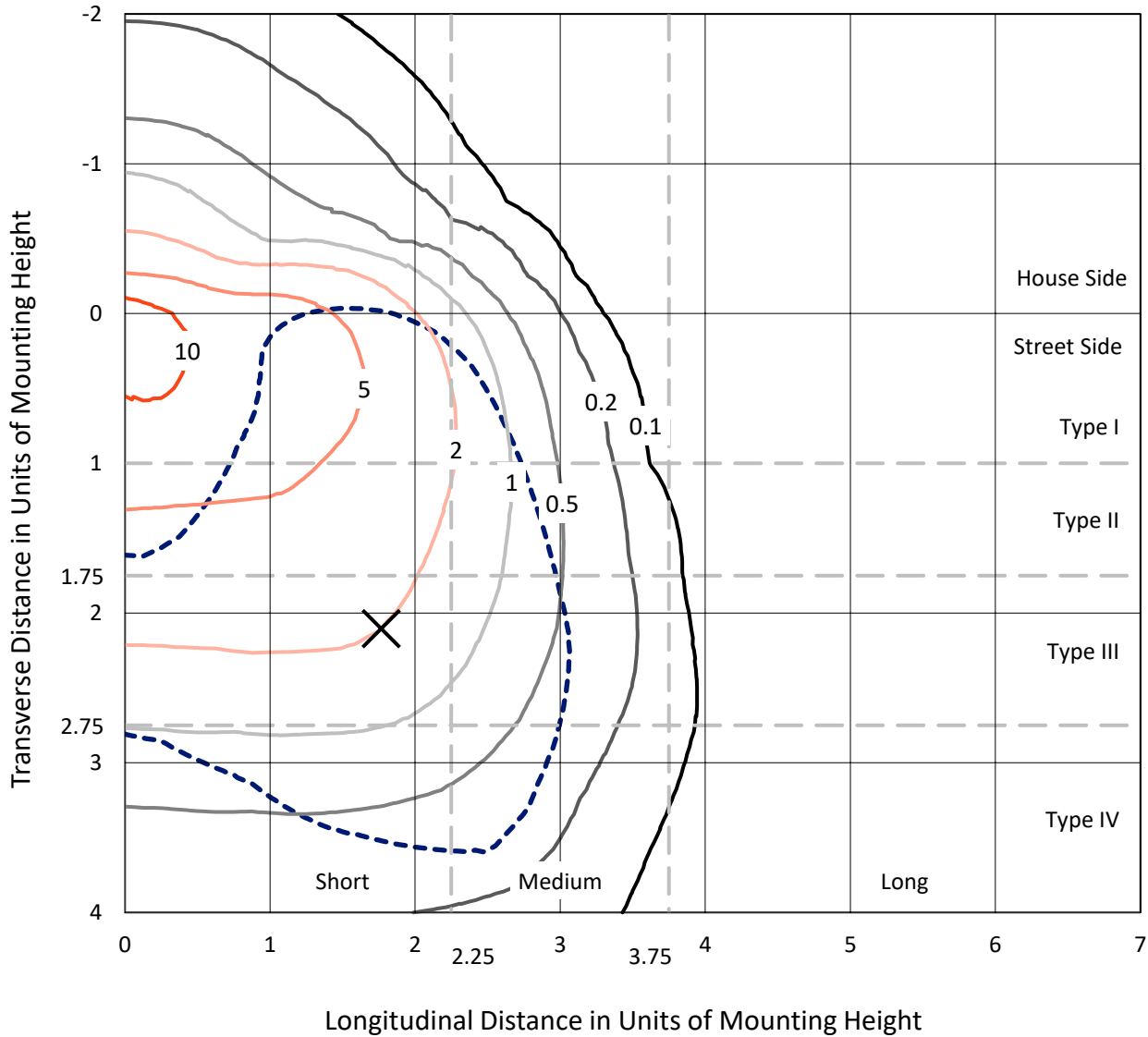
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634078
 CATALOG NUMBER: GWS-SA3B-722-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

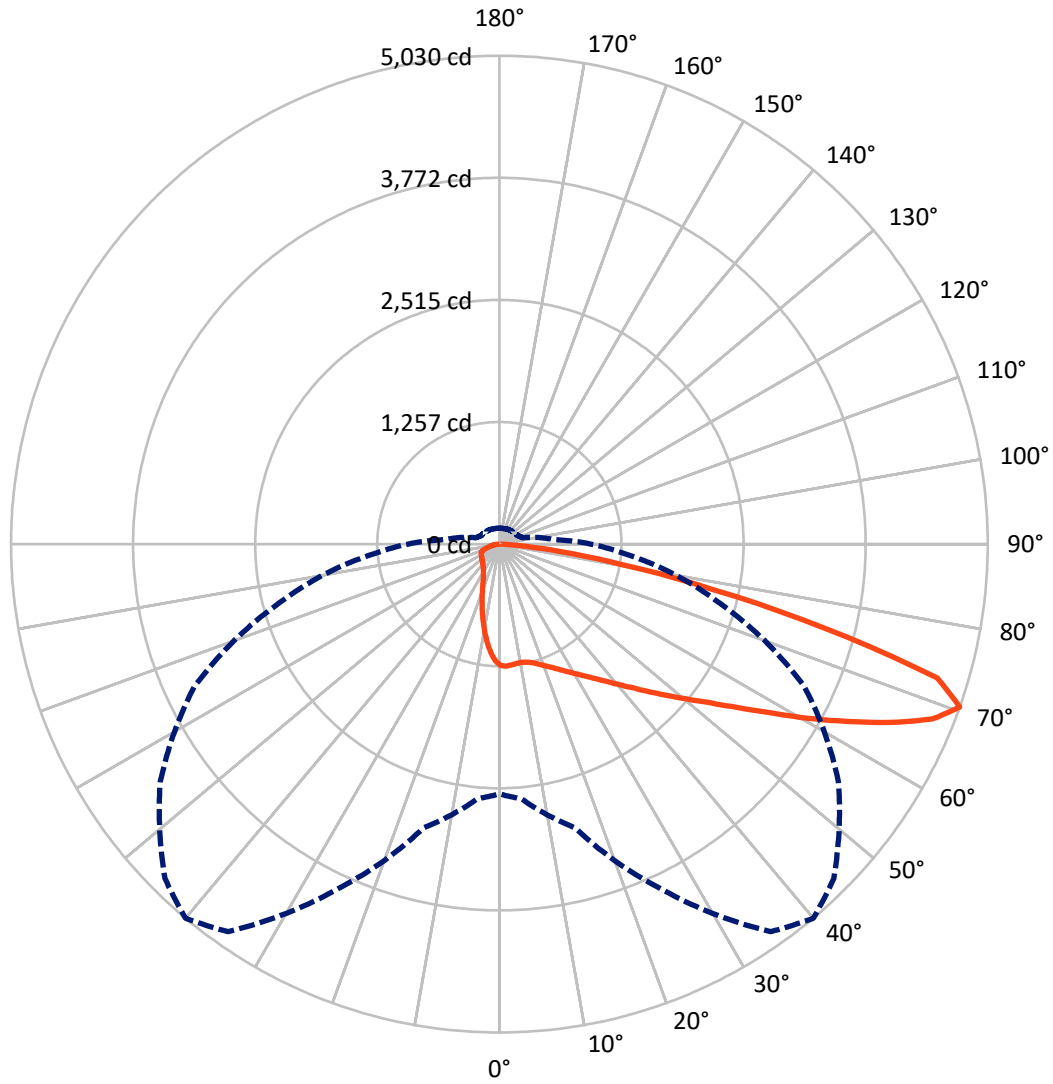
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P634078
CATALOG NUMBER: GWS-SA3B-722-U-SL4-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634078

CATALOG NUMBER: GWS-SA3B-722-U-SL4-W

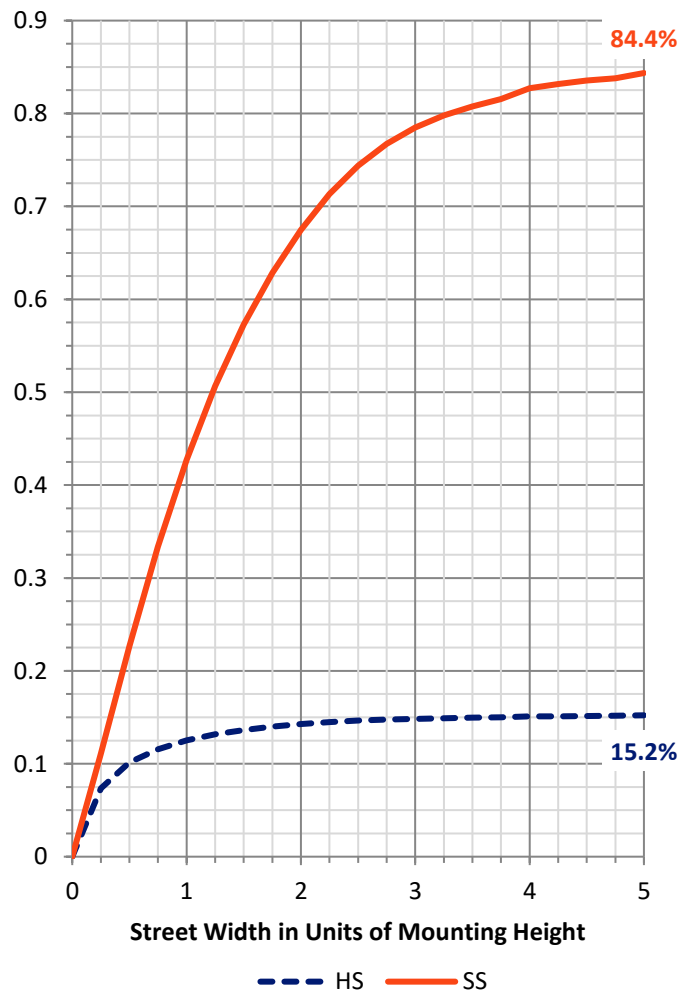
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1133.3	0.0	1133.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	6224.8	0.0	6224.8
	% Fixture	84.6	0.0	84.6
Total	Lumens	7358.2	0.0	7358.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	1.5
10°-20°	287.7	3.9
20°-30°	451.8	6.1
30°-40°	679.3	9.2
40°-50°	1048.5	14.2
50°-60°	1557.0	21.2
60°-70°	1962.6	26.7
70°-80°	1135.0	15.4
80°-90°	126.0	1.7
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°	7358.2	100.0
0°-180°	7358.2	100.0

Coefficient of Utilization



REPORT NUMBER: P634078

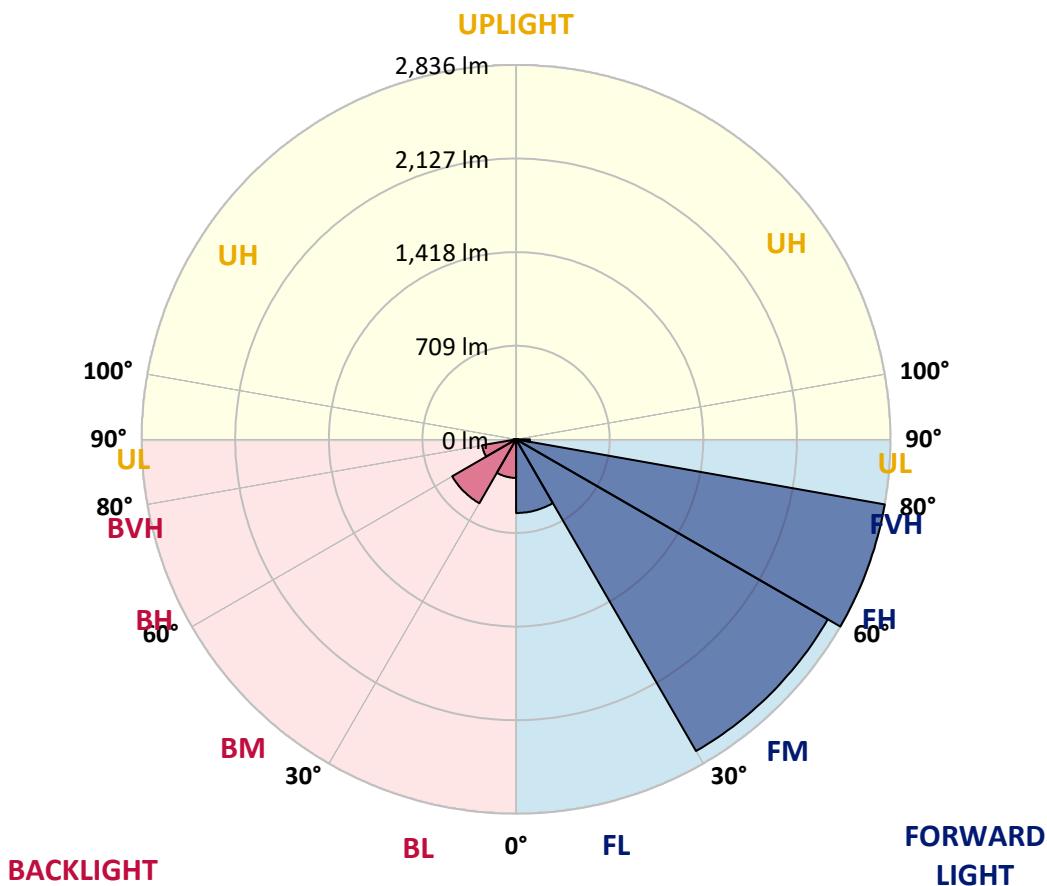
CATALOG NUMBER: GWS-SA3B-722-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.8	7.6			
FM (30°-60°)	2726.1	37.0			
FH (60°-80°)	2836.0	38.5			G2/5000
FVH (80°-90°)	104.9	1.4			G2/225
BL (0°-30°)	292.1	4.0	B1/500		
BM (30°-60°)	558.6	7.6	B1/1000		
BH (60°-80°)	261.6	3.6	B1/500		G1/500
BVH (80°-90°)	21.1	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-G2

Type IV Short





REPORT NUMBER: P634078

CATALOG NUMBER: GWS-SA3B-722-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5
2.5°	1257.2	1259.4	1261.0	1263.2	1262.1	1258.8	1261.6	1261.6	1255.5	1249.0	1242.9
5°	1258.8	1261.6	1261.0	1260.5	1256.1	1250.6	1250.6	1247.3	1236.9	1226.4	1216.6
7.5°	1255.5	1255.0	1254.4	1252.8	1247.9	1241.8	1240.7	1234.1	1220.4	1206.1	1191.8
10°	1240.7	1240.2	1241.8	1245.7	1244.6	1239.1	1239.1	1233.0	1217.1	1199.5	1180.9
12.5°	1228.6	1228.6	1235.2	1245.7	1249.5	1247.3	1247.9	1243.5	1225.3	1204.5	1182.5
15°	1230.3	1230.8	1245.1	1262.1	1269.3	1267.6	1268.2	1263.2	1242.9	1222.0	1192.4
17.5°	1241.3	1244.0	1268.7	1292.3	1301.7	1299.5	1295.6	1287.4	1264.3	1240.7	1204.5
20°	1264.3	1268.7	1300.6	1330.2	1341.2	1336.3	1329.7	1313.2	1288.0	1262.1	1217.7
22.5°	1309.9	1312.7	1347.8	1376.9	1385.7	1379.7	1366.5	1342.9	1313.8	1286.9	1233.6
25°	1374.2	1377.5	1411.0	1437.9	1435.7	1428.6	1410.4	1381.3	1346.7	1318.2	1256.6
27.5°	1450.5	1456.0	1489.0	1510.4	1496.1	1485.7	1465.4	1430.2	1391.2	1365.4	1291.8
30°	1534.0	1536.2	1564.2	1585.6	1563.7	1549.4	1524.7	1486.8	1451.6	1432.4	1344.5
32.5°	1614.7	1616.9	1641.1	1653.2	1630.1	1619.7	1598.3	1558.2	1533.5	1523.0	1423.1
35°	1699.9	1699.3	1719.1	1729.5	1705.9	1701.5	1679.6	1648.8	1644.4	1658.1	1537.9
37.5°	1785.0	1780.1	1790.5	1804.2	1791.1	1795.4	1781.2	1770.7	1787.8	1823.5	1690.5
40°	1853.1	1853.1	1864.1	1881.1	1885.5	1904.7	1896.5	1910.2	1965.2	2050.3	1879.5
42.5°	1913.5	1914.1	1937.1	1963.5	1995.4	2025.0	2031.6	2067.3	2181.0	2314.5	2116.7
45°	1976.7	1977.2	2008.5	2047.0	2114.5	2171.1	2184.3	2264.5	2427.1	2589.6	2374.3
47.5°	2049.7	2043.7	2087.1	2151.3	2247.5	2328.8	2362.8	2476.5	2681.9	2881.8	2617.1
50°	2132.1	2119.5	2167.8	2278.8	2397.4	2508.9	2566.0	2696.2	2955.4	3151.5	2845.6
52.5°	2224.9	2217.8	2268.3	2403.4	2584.7	2713.2	2790.7	2961.5	3221.3	3420.1	3026.8
55°	2340.3	2323.3	2396.3	2568.2	2804.4	2968.1	3059.8	3224.0	3511.8	3663.9	3165.2
57.5°	2466.6	2447.9	2545.7	2774.2	3090.0	3269.6	3384.4	3519.5	3785.3	3850.7	3246.5
60°	2602.8	2596.8	2712.7	3015.8	3430.5	3639.2	3722.2	3844.6	4023.1	3958.9	3226.2
62.5°	2727.5	2725.3	2893.9	3277.8	3791.4	4020.9	4086.8	4119.3	4194.5	3951.7	3064.7
65°	2858.8	2877.4	3105.4	3581.6	4204.9	4430.1	4457.6	4375.2	4252.2	3764.4	2734.1
67.5°	2875.2	2911.5	3238.3	3866.1	4597.1	4809.6	4787.7	4472.4	4081.9	3243.2	2143.1
70°	2571.5	2634.7	3026.3	3909.4	4873.4	5029.9	4871.2	4263.2	3464.0	2349.6	1347.8
72.5°	2148.6	2203.0	2549.0	3333.8	4516.9	4716.3	4501.5	3608.5	2447.9	1347.8	686.5
75°	1672.4	1735.6	2054.7	2650.1	3381.6	3461.3	3353.6	2516.6	1345.6	555.8	312.0
77.5°	1020.5	1066.1	1314.3	1795.4	2366.1	2246.9	1904.2	1411.0	590.4	266.4	192.8
80°	451.5	479.5	647.5	964.5	1367.0	1292.3	1018.8	602.5	322.9	169.2	134.6
82.5°	242.2	260.3	319.1	381.7	600.3	627.8	509.1	347.1	173.6	96.7	76.9
85°	106.6	117.0	145.0	138.4	197.2	193.9	195.5	238.4	82.9	44.5	50.0
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	6.0	31.9	8.2	13.2	11.5
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: P634078
 CATALOG NUMBER: GWS-SA3B-722-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5
2.5°	1236.3	1226.4	1223.7	1220.4	1214.4	1203.9	1196.2	1187.4	1183.6	1179.2	1179.8
5°	1205.6	1193.5	1182.0	1167.1	1148.4	1127.6	1113.3	1096.8	1088.0	1079.8	1082.0
7.5°	1179.2	1160.5	1136.9	1105.6	1072.1	1034.8	1004.5	980.9	965.0	954.0	959.5
10°	1162.7	1140.8	1099.6	1048.5	991.9	934.8	891.4	850.8	825.5	805.7	804.6
12.5°	1159.4	1130.9	1071.0	996.9	915.0	838.7	775.0	720.0	686.5	661.8	671.2
15°	1162.7	1126.5	1046.3	949.1	845.8	742.6	663.5	600.3	560.2	537.7	536.1
17.5°	1166.6	1122.1	1018.3	897.4	773.3	655.2	563.5	496.5	455.3	432.8	433.3
20°	1169.9	1115.5	985.3	840.9	699.7	573.9	478.9	415.2	378.4	361.9	364.7
22.5°	1175.4	1108.9	950.2	780.5	624.5	495.4	411.9	360.3	338.3	327.3	327.9
25°	1185.8	1105.1	913.9	714.6	550.3	432.8	365.8	331.2	317.5	310.9	310.3
27.5°	1207.2	1108.4	876.0	650.8	483.3	385.0	336.1	313.6	304.3	299.9	299.3
30°	1242.9	1121.5	843.1	586.0	425.7	347.7	315.8	302.1	296.6	292.7	292.2
32.5°	1297.3	1146.3	807.4	525.6	379.0	320.2	299.9	292.7	288.9	286.7	286.7
35°	1379.7	1191.3	772.2	472.9	342.7	298.8	287.2	284.5	281.2	280.1	281.2
37.5°	1498.3	1263.2	740.4	426.8	316.9	282.3	273.5	274.6	271.9	273.5	275.2
40°	1648.8	1359.4	713.5	388.9	297.7	270.2	261.4	265.3	263.6	265.3	268.0
42.5°	1839.4	1478.5	693.1	359.2	284.0	260.3	252.1	255.9	254.8	257.0	259.8
45°	2051.9	1635.6	683.8	338.3	274.1	253.2	244.4	247.2	246.1	247.7	250.5
47.5°	2255.7	1778.4	692.0	326.2	265.8	247.2	237.8	238.9	238.4	237.8	239.5
50°	2431.5	1892.1	715.7	322.4	260.3	241.1	232.3	232.9	231.2	227.9	229.0
52.5°	2574.8	1983.3	729.9	322.4	257.6	234.5	226.3	226.8	223.5	219.1	219.7
55°	2669.3	2020.1	718.4	321.9	256.5	229.0	220.2	220.8	217.5	212.0	212.6
57.5°	2696.2	1984.4	670.1	315.8	255.4	224.6	214.2	215.3	213.1	207.1	207.1
60°	2620.9	1853.7	581.6	302.1	252.6	221.9	209.8	211.5	210.4	204.3	204.3
62.5°	2423.8	1621.3	476.2	281.2	245.0	218.6	206.0	209.3	212.0	208.7	208.2
65°	2054.7	1298.9	387.2	258.1	235.1	213.1	200.5	208.7	214.8	219.1	219.1
67.5°	1541.7	929.9	315.8	234.0	220.2	202.1	193.3	201.0	205.4	208.2	209.8
70°	939.7	547.0	248.8	206.0	198.8	185.6	179.1	171.4	165.3	164.2	164.8
72.5°	459.7	313.1	202.1	175.2	169.7	157.6	142.8	139.5	136.8	135.1	134.6
75°	253.2	218.0	167.0	145.5	135.7	120.8	117.5	112.0	110.9	108.7	109.3
77.5°	179.1	171.9	137.9	118.1	103.3	95.6	97.2	93.4	93.4	91.7	91.2
80°	134.6	135.1	106.0	86.2	76.3	73.6	75.2	75.2	74.1	73.6	73.0
82.5°	85.1	96.1	71.4	55.5	54.4	54.9	54.4	53.8	54.9	53.3	52.7
85°	58.8	69.2	43.4	33.0	33.0	32.4	33.5	33.0	34.1	32.4	32.4
87.5°	13.2	30.8	15.9	9.9	10.4	9.9	10.4	11.0	12.1	12.6	12.6
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)