

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: P632593

Luminaire Tested: GWS-SA2D-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632593
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-SA2D-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8259.9 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

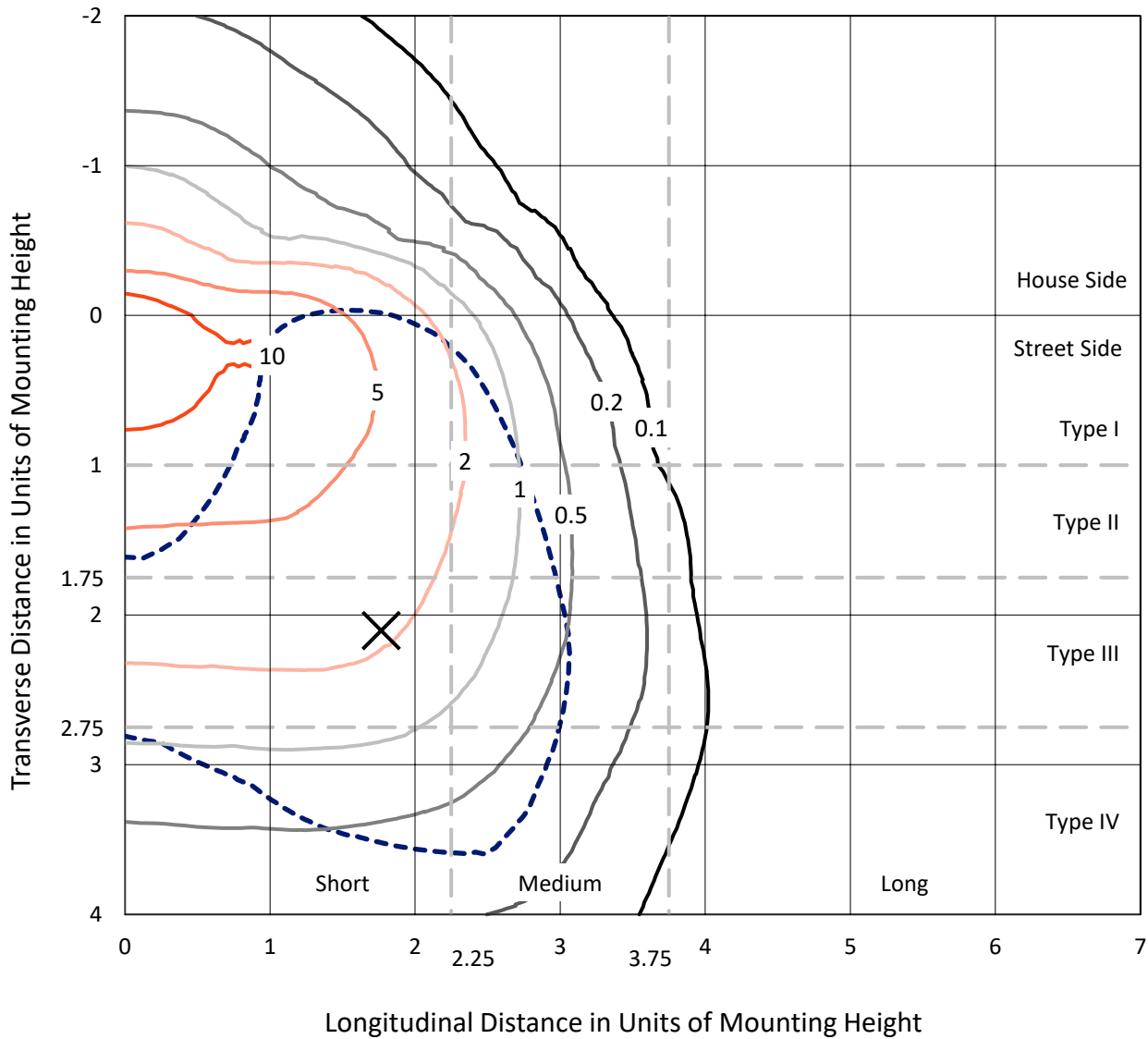
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

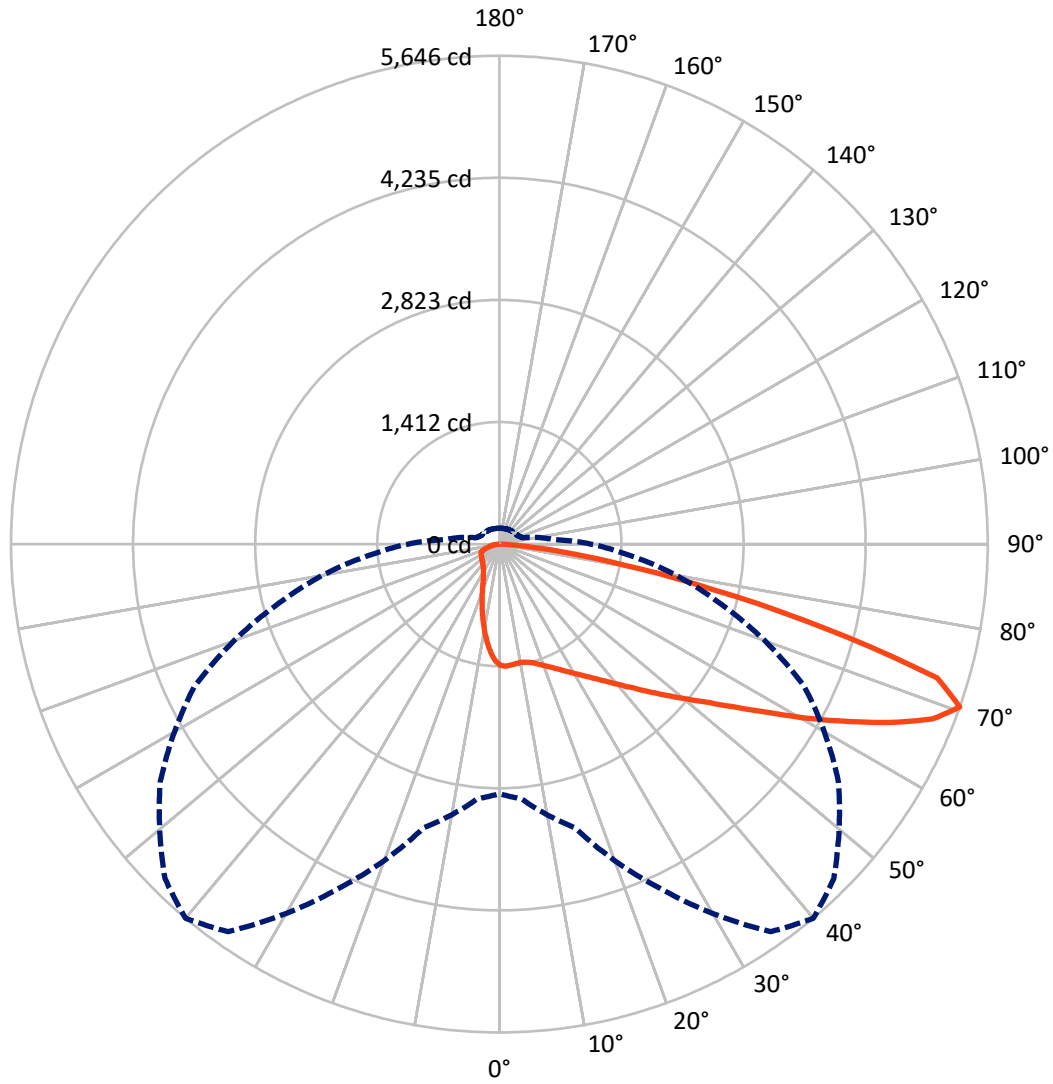
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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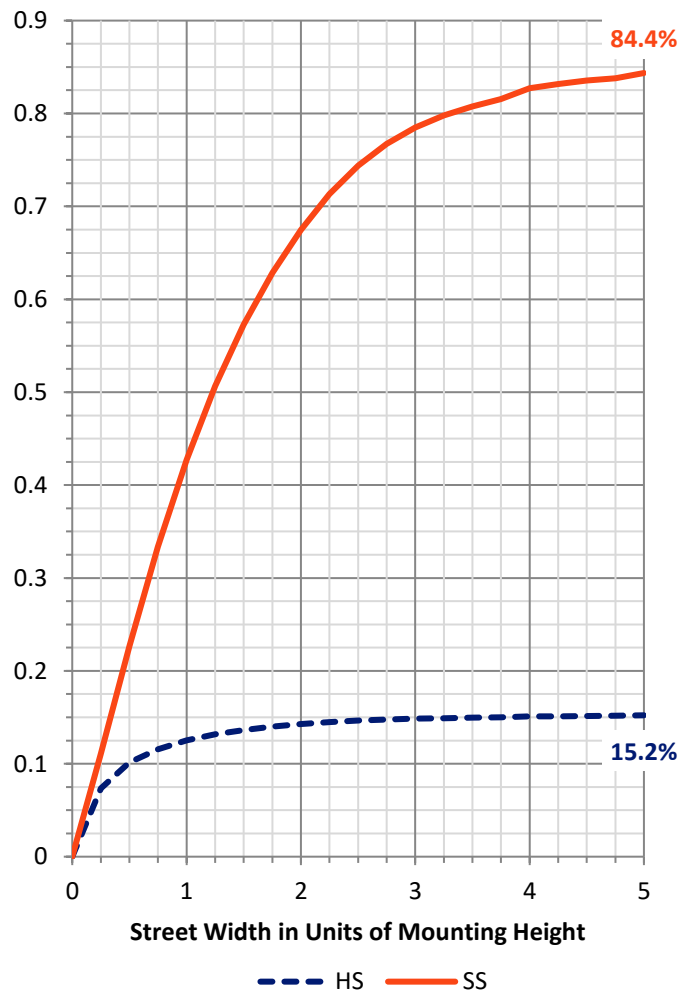
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1272.2	0.0	1272.2
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	6987.7	0.0	6987.7
	% Fixture	84.6	0.0	84.6
Total	Lumens	8259.9	0.0	8259.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	1.5
10°-20°	323.0	3.9
20°-30°	507.1	6.1
30°-40°	762.5	9.2
40°-50°	1176.9	14.2
50°-60°	1747.8	21.2
60°-70°	2203.1	26.7
70°-80°	1274.1	15.4
80°-90°	141.4	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°	8259.9	100.0
0°-180°	8259.9	100.0

Coefficient of Utilization



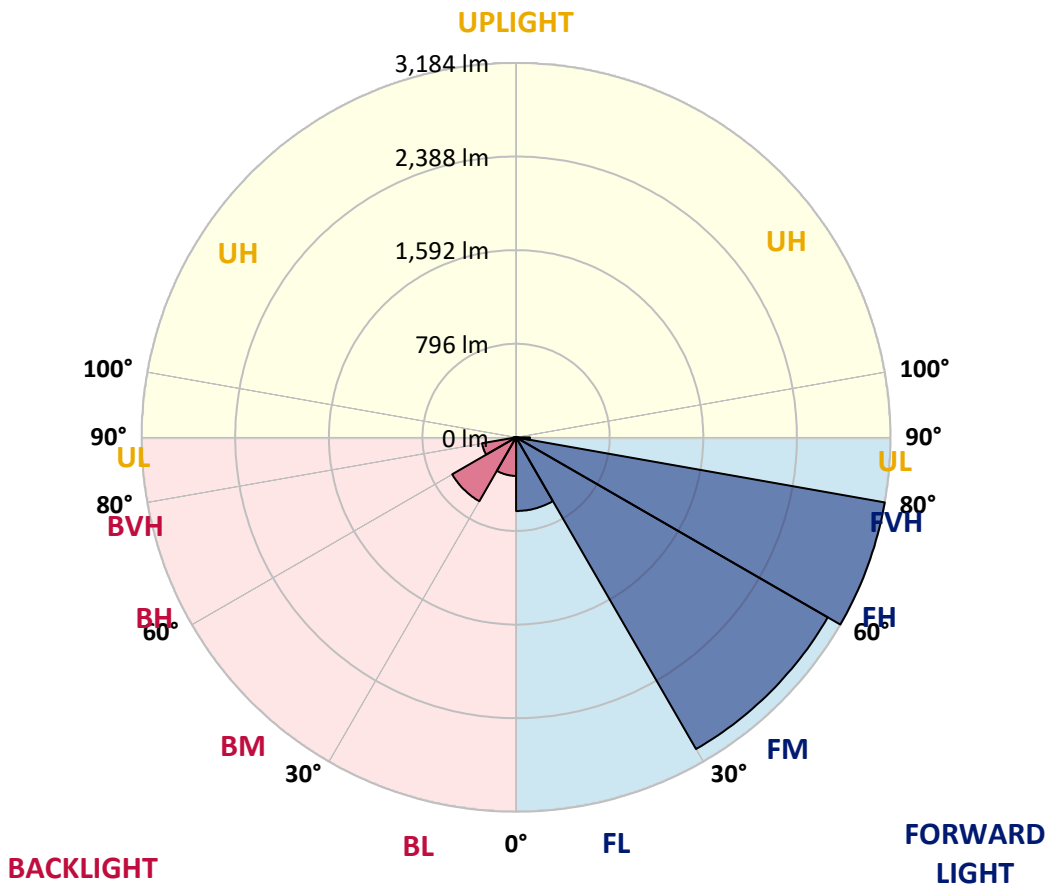
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.2	7.6			
FM (30°-60°)	3060.2	37.0			
FH (60°-80°)	3183.6	38.5			G2/5000
FVH (80°-90°)	117.8	1.4			G2/225
BL (0°-30°)	327.9	4.0	B1/500		
BM (30°-60°)	627.1	7.6	B1/1000		
BH (60°-80°)	293.6	3.6	B1/500		G1/500
BVH (80°-90°)	23.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6
2.5°	1411.3	1413.7	1415.6	1418.0	1416.8	1413.1	1416.2	1416.2	1409.4	1402.0	1395.2
5°	1413.1	1416.2	1415.6	1415.0	1410.0	1403.9	1403.9	1400.2	1388.4	1376.7	1365.6
7.5°	1409.4	1408.8	1408.2	1406.3	1400.8	1394.0	1392.8	1385.4	1369.9	1353.9	1337.9
10°	1392.8	1392.1	1394.0	1398.3	1397.1	1390.9	1390.9	1384.1	1366.2	1346.5	1325.6
12.5°	1379.2	1379.2	1386.6	1398.3	1402.6	1400.2	1400.8	1395.8	1375.5	1352.1	1327.4
15°	1381.0	1381.7	1397.7	1416.8	1424.8	1423.0	1423.6	1418.0	1395.2	1371.8	1338.5
17.5°	1393.4	1396.5	1424.2	1450.7	1461.2	1458.7	1454.4	1445.2	1419.3	1392.8	1352.1
20°	1419.3	1424.2	1460.0	1493.3	1505.6	1500.0	1492.6	1474.1	1445.8	1416.8	1366.9
22.5°	1470.4	1473.5	1513.0	1545.7	1555.5	1548.7	1533.9	1507.4	1474.8	1444.6	1384.7
25°	1542.6	1546.3	1583.9	1614.1	1611.6	1603.6	1583.3	1550.6	1511.8	1479.7	1410.6
27.5°	1628.3	1634.4	1671.4	1695.5	1679.5	1667.7	1644.9	1605.5	1561.7	1532.7	1450.1
30°	1722.0	1724.5	1755.9	1779.9	1755.3	1739.3	1711.5	1669.0	1629.5	1607.9	1509.3
32.5°	1812.6	1815.1	1842.2	1855.8	1829.9	1818.2	1794.1	1749.1	1721.4	1709.7	1597.5
35°	1908.2	1907.6	1929.8	1941.5	1915.0	1910.0	1885.4	1850.8	1845.9	1861.3	1726.3
37.5°	2003.8	1998.2	2009.9	2025.3	2010.5	2015.5	1999.4	1987.7	2006.8	2046.9	1897.7
40°	2080.2	2080.2	2092.5	2111.6	2116.6	2138.2	2128.9	2144.3	2206.0	2301.5	2109.8
42.5°	2148.0	2148.6	2174.5	2204.1	2239.9	2273.2	2280.6	2320.7	2448.3	2598.1	2376.1
45°	2218.9	2219.5	2254.7	2297.8	2373.7	2437.2	2452.0	2542.0	2724.5	2907.0	2665.3
47.5°	2300.9	2294.1	2342.8	2415.0	2522.9	2614.1	2652.3	2780.0	3010.6	3235.0	2937.8
50°	2393.4	2379.2	2433.5	2558.0	2691.2	2816.3	2880.5	3026.6	3317.6	3537.7	3194.3
52.5°	2497.6	2489.6	2546.3	2698.0	2901.4	3045.7	3132.6	3324.4	3616.0	3839.2	3397.7
55°	2627.1	2608.0	2690.0	2882.9	3148.0	3331.8	3434.7	3619.1	3942.1	4112.9	3553.1
57.5°	2768.9	2747.9	2857.7	3114.1	3468.6	3670.3	3799.1	3950.8	4249.2	4322.6	3644.4
60°	2921.8	2915.0	3045.1	3385.4	3850.9	4085.2	4178.3	4315.8	4516.1	4444.0	3621.5
62.5°	3061.7	3059.3	3248.5	3679.5	4256.0	4513.7	4587.7	4624.0	4708.5	4436.0	3440.3
65°	3209.1	3230.0	3485.9	4020.4	4720.2	4973.0	5003.8	4911.3	4773.2	4225.8	3069.1
67.5°	3227.6	3268.3	3635.1	4339.8	5160.4	5399.0	5374.4	5020.5	4582.1	3640.7	2405.7
70°	2886.6	2957.5	3397.1	4388.5	5470.5	5646.3	5468.1	4785.6	3888.5	2637.6	1513.0
72.5°	2411.9	2472.9	2861.4	3742.4	5070.4	5294.2	5053.2	4050.7	2747.9	1513.0	770.7
75°	1877.4	1948.3	2306.5	2974.8	3796.0	3885.4	3764.6	2825.0	1510.5	623.9	350.2
77.5°	1145.5	1196.7	1475.4	2015.5	2656.0	2522.3	2137.5	1583.9	662.8	299.0	216.4
80°	506.8	538.2	726.9	1082.6	1534.6	1450.7	1143.7	676.3	362.5	189.9	151.1
82.5°	271.9	292.2	358.2	428.5	673.9	704.7	571.5	389.7	194.8	108.5	86.3
85°	119.6	131.3	162.8	155.4	221.3	217.6	219.5	267.6	93.1	49.9	56.1
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	6.8	35.8	9.2	14.8	12.9
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°	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6	1402.6
2.5°	1387.8	1376.7	1373.6	1369.9	1363.2	1351.5	1342.8	1333.0	1328.6	1323.7	1324.3
5°	1353.3	1339.7	1326.8	1310.1	1289.2	1265.8	1249.7	1231.2	1221.4	1212.1	1214.6
7.5°	1323.7	1302.7	1276.2	1241.1	1203.5	1161.6	1127.6	1101.1	1083.3	1070.9	1077.1
10°	1305.2	1280.6	1234.3	1177.0	1113.5	1049.3	1000.6	955.0	926.7	904.5	903.2
12.5°	1301.5	1269.5	1202.3	1119.0	1027.2	941.5	869.9	808.3	770.7	742.9	753.4
15°	1305.2	1264.5	1174.5	1065.4	949.5	833.6	744.8	673.9	628.9	603.6	601.7
17.5°	1309.5	1259.6	1143.1	1007.4	868.1	735.5	632.6	557.4	511.1	485.8	486.4
20°	1313.2	1252.2	1106.1	943.9	785.5	644.3	537.6	466.1	424.8	406.3	409.4
22.5°	1319.4	1244.8	1066.6	876.1	701.0	556.1	462.4	404.4	379.8	367.5	368.1
25°	1331.1	1240.5	1025.9	802.1	617.8	485.8	410.6	371.8	356.4	349.0	348.3
27.5°	1355.2	1244.2	983.4	730.6	542.6	432.2	377.3	352.0	341.6	336.6	336.0
30°	1395.2	1259.0	946.4	657.8	477.8	390.3	354.5	339.1	332.9	328.6	328.0
32.5°	1456.3	1286.7	906.3	590.0	425.4	359.4	336.6	328.6	324.3	321.8	321.8
35°	1548.7	1337.3	866.9	530.8	384.7	335.4	322.4	319.4	315.7	314.4	315.7
37.5°	1681.9	1418.0	831.1	479.1	355.7	316.9	307.0	308.3	305.2	307.0	308.9
40°	1850.8	1525.9	800.9	436.5	334.2	303.3	293.5	297.8	295.9	297.8	300.9
42.5°	2064.8	1659.7	778.1	403.2	318.8	292.2	283.0	287.3	286.1	288.5	291.6
45°	2303.4	1836.1	767.6	379.8	307.7	284.2	274.4	277.4	276.2	278.1	281.1
47.5°	2532.1	1996.4	776.8	366.2	298.4	277.4	267.0	268.2	267.6	267.0	268.8
50°	2729.4	2124.0	803.4	361.9	292.2	270.7	260.8	261.4	259.6	255.9	257.1
52.5°	2890.3	2226.3	819.4	361.9	289.2	263.3	254.0	254.6	250.9	246.0	246.6
55°	2996.4	2267.6	806.4	361.3	287.9	257.1	247.2	247.8	244.1	238.0	238.6
57.5°	3026.6	2227.6	752.2	354.5	286.7	252.2	240.5	241.7	239.2	232.4	232.4
60°	2942.1	2080.8	652.9	339.1	283.6	249.1	235.5	237.4	236.1	229.4	229.4
62.5°	2720.8	1820.0	534.5	315.7	275.0	245.4	231.2	234.9	238.0	234.3	233.7
65°	2306.5	1458.1	434.7	289.8	263.9	239.2	225.0	234.3	241.1	246.0	246.0
67.5°	1730.6	1043.8	354.5	262.6	247.2	226.9	217.0	225.7	230.6	233.7	235.5
70°	1054.9	614.1	279.3	231.2	223.2	208.4	201.0	192.4	185.6	184.3	185.0
72.5°	516.0	351.4	226.9	196.7	190.5	176.9	160.3	156.6	153.5	151.7	151.1
75°	284.2	244.8	187.4	163.4	152.3	135.6	131.9	125.8	124.5	122.1	122.7
77.5°	201.0	193.0	154.8	132.6	115.9	107.3	109.1	104.8	104.8	103.0	102.3
80°	151.1	151.7	119.0	96.8	85.7	82.6	84.5	84.5	83.2	82.6	82.0
82.5°	95.6	107.9	80.2	62.3	61.0	61.7	61.0	60.4	61.7	59.8	59.2
85°	66.0	77.7	48.7	37.0	37.0	36.4	37.6	37.0	38.2	36.4	36.4
87.5°	14.8	34.5	17.9	11.1	11.7	11.1	11.7	12.3	13.6	14.2	14.2
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)