

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: P632096

Luminaire Tested: GWS-SA2C-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632096
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-SA2C-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6679.8 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

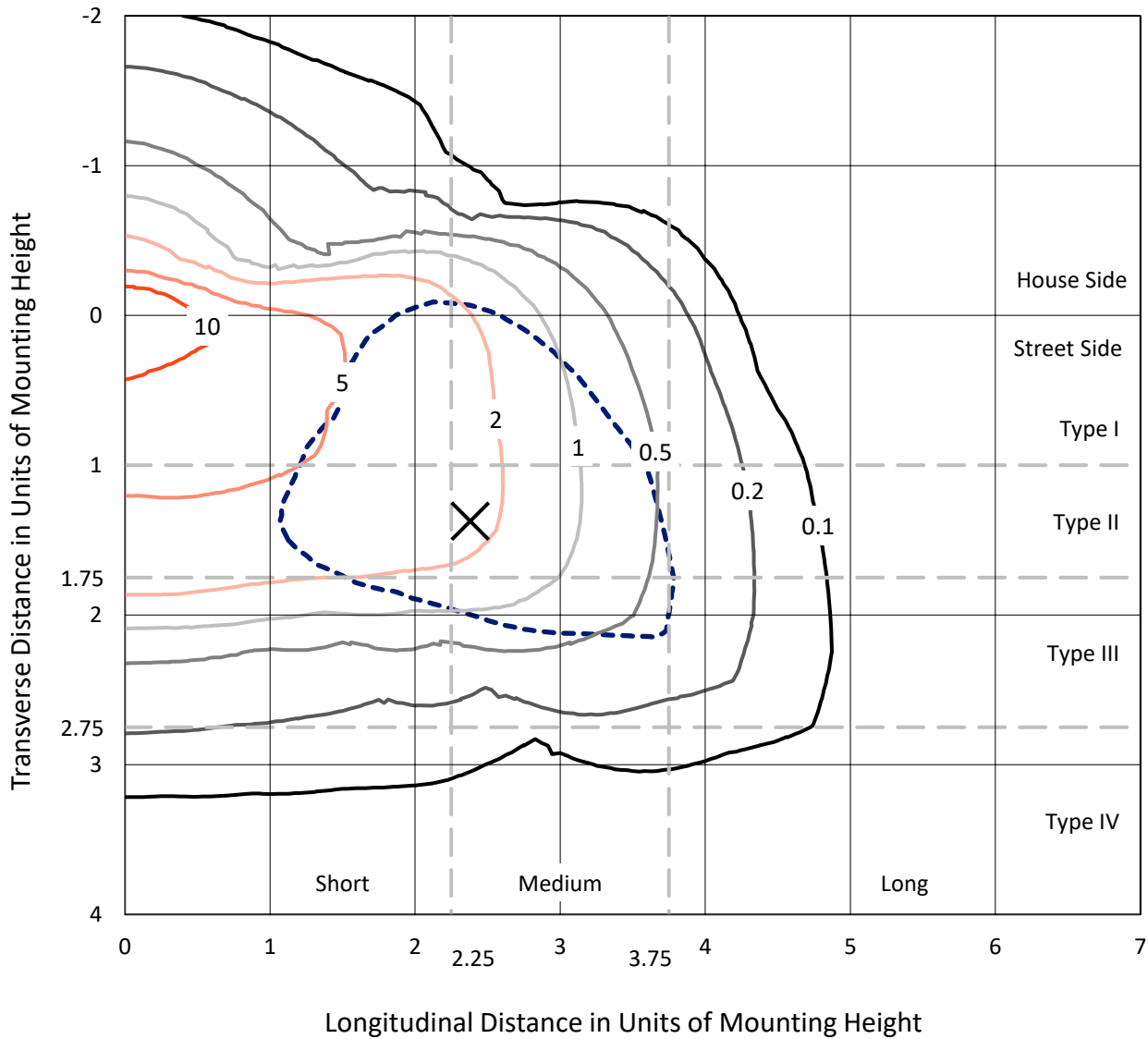
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

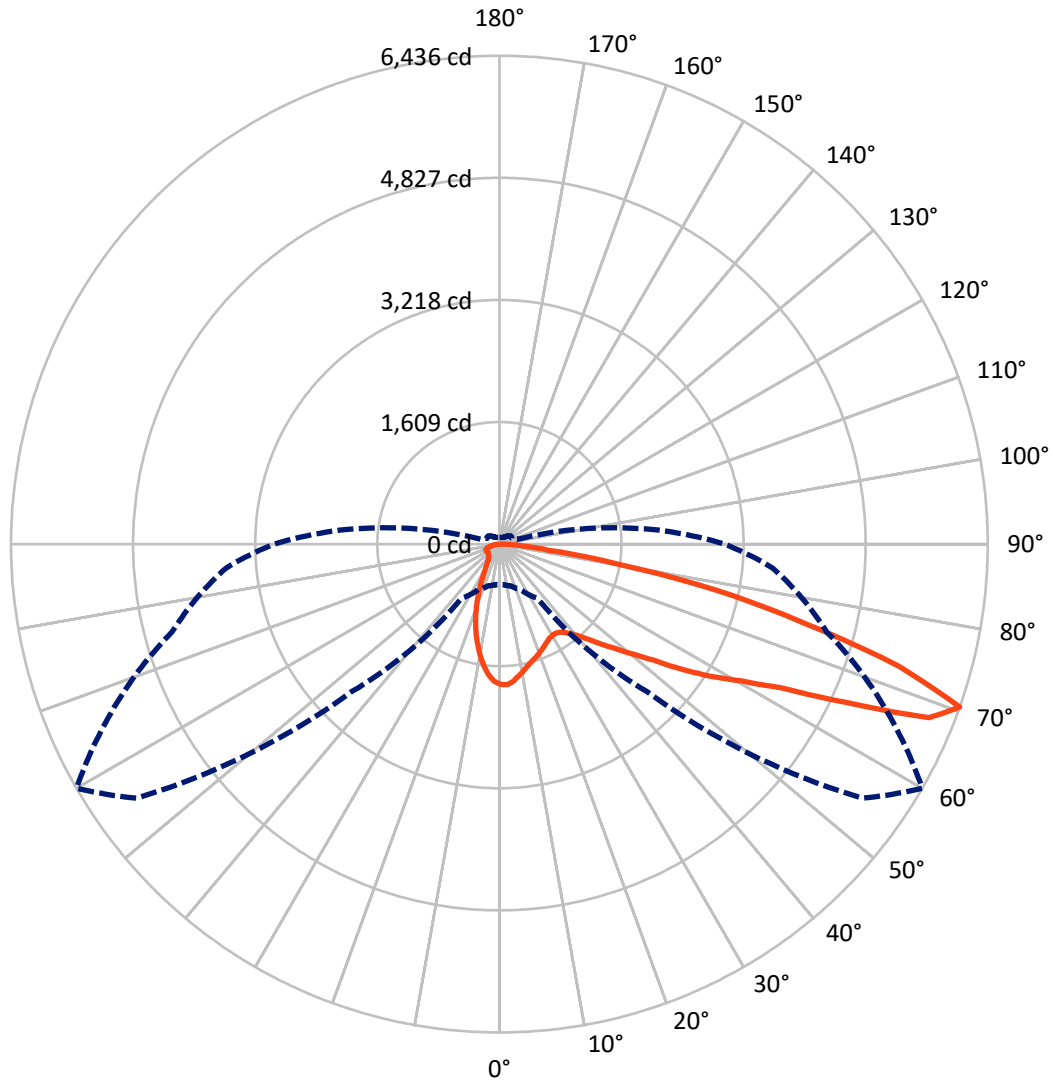
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 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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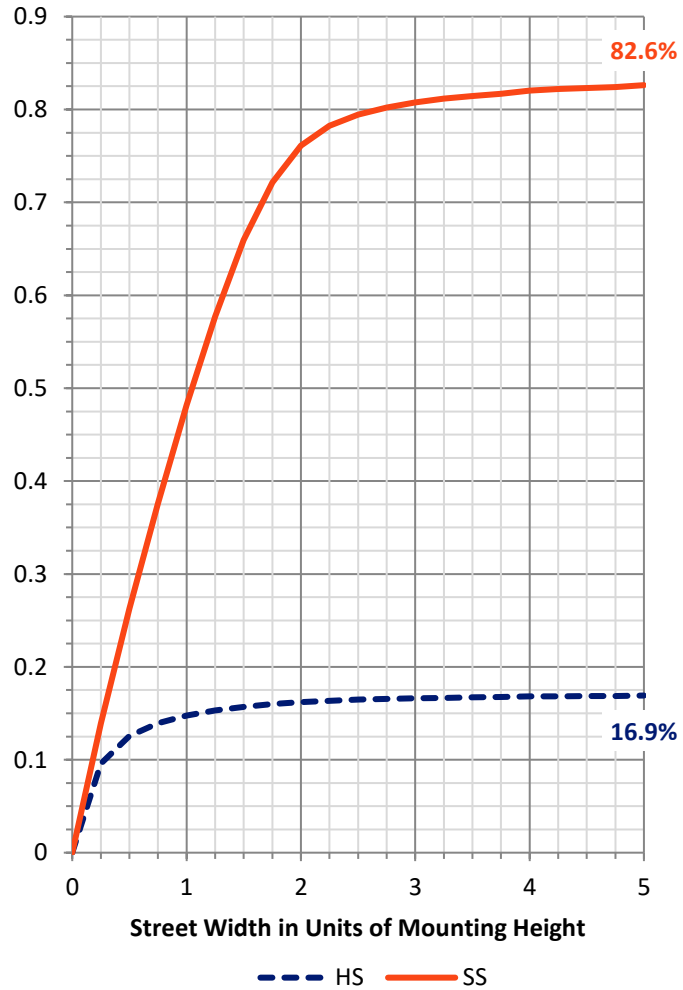
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1142.4	0.0	1142.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	5537.4	0.0	5537.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	6679.8	0.0	6679.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	2.4
10°-20°	356.9	5.3
20°-30°	457.1	6.8
30°-40°	600.8	9.0
40°-50°	871.6	13.0
50°-60°	1359.9	20.4
60°-70°	1780.4	26.7
70°-80°	984.5	14.7
80°-90°	109.3	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°	6679.8	100.0
0°-180°	6679.8	100.0

Coefficient of Utilization



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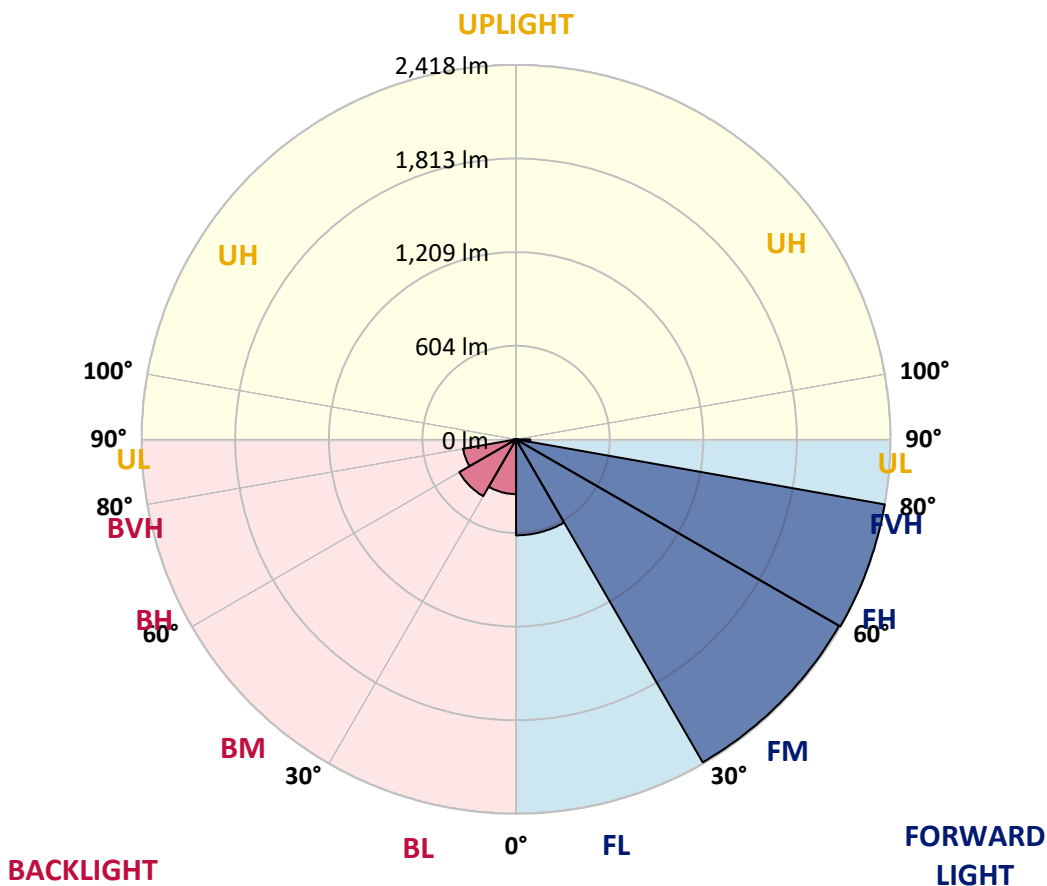
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.9	9.3			
FM (30°-60°)	2408.7	36.1			
FH (60°-80°)	2417.7	36.2			G2/5000
FVH (80°-90°)	91.0	1.4			G1/100
BL (0°-30°)	353.4	5.3	B1/500		
BM (30°-60°)	423.6	6.3	B1/1000		
BH (60°-80°)	347.2	5.2	B1/500		G1/500
BVH (80°-90°)	18.2	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4
2.5°	1822.5	1824.4	1829.8	1837.6	1845.5	1849.4	1859.1	1856.2	1854.3	1850.3	1845.5
5°	1741.8	1745.8	1750.6	1765.8	1782.9	1796.6	1818.6	1821.0	1822.0	1824.0	1816.1
7.5°	1639.2	1640.2	1651.9	1672.0	1694.4	1717.9	1754.6	1764.8	1773.6	1783.4	1777.0
10°	1525.8	1528.3	1537.1	1565.9	1604.5	1639.2	1688.6	1705.7	1724.2	1745.8	1737.0
12.5°	1433.0	1433.5	1447.6	1478.4	1520.4	1567.4	1628.9	1649.5	1673.9	1707.6	1699.8
15°	1359.2	1359.2	1372.4	1398.8	1447.1	1502.4	1575.7	1602.1	1635.3	1680.8	1667.1
17.5°	1300.5	1301.0	1309.3	1337.2	1380.2	1441.3	1528.3	1563.9	1600.6	1660.7	1640.2
20°	1269.7	1267.3	1268.8	1285.9	1322.5	1381.6	1480.9	1522.4	1571.8	1647.0	1615.8
22.5°	1268.3	1263.9	1257.5	1259.0	1280.5	1329.4	1430.0	1480.4	1542.4	1635.8	1590.8
25°	1293.2	1288.3	1277.1	1264.4	1262.4	1291.7	1382.1	1439.3	1512.1	1630.9	1566.9
27.5°	1335.2	1331.8	1317.1	1298.1	1278.0	1277.1	1346.0	1405.6	1490.1	1635.8	1549.8
30°	1390.9	1385.1	1375.8	1351.3	1321.0	1289.8	1331.8	1387.5	1475.5	1651.4	1542.4
32.5°	1454.0	1450.6	1441.8	1417.3	1385.1	1335.2	1343.0	1391.4	1475.5	1678.8	1543.9
35°	1520.9	1520.4	1520.4	1504.3	1468.6	1406.6	1387.5	1424.7	1498.0	1722.8	1559.5
37.5°	1585.9	1585.4	1601.1	1607.0	1566.4	1499.4	1463.3	1491.1	1547.3	1787.8	1598.2
40°	1638.7	1640.7	1674.9	1704.2	1681.7	1619.7	1568.8	1583.0	1627.5	1880.2	1665.6
42.5°	1692.0	1697.4	1748.7	1800.5	1809.3	1755.5	1704.2	1712.5	1742.3	2002.3	1766.3
45°	1750.2	1752.6	1824.4	1896.8	1939.3	1907.5	1865.5	1876.7	1883.6	2153.4	1916.3
47.5°	1806.4	1812.7	1905.6	2004.8	2085.4	2082.5	2059.0	2055.6	2057.1	2337.1	2093.7
50°	1883.1	1892.4	2001.4	2121.1	2239.4	2293.6	2300.5	2274.6	2263.8	2541.4	2314.6
52.5°	2028.7	2028.7	2126.5	2244.3	2403.1	2537.5	2583.4	2540.9	2506.7	2757.4	2549.2
55°	2211.0	2218.8	2296.6	2391.9	2593.2	2794.1	2949.5	2902.6	2805.8	2992.5	2795.1
57.5°	2292.2	2301.9	2425.1	2573.2	2842.0	3085.9	3301.4	3284.8	3143.5	3236.9	3050.2
60°	2145.5	2166.1	2335.7	2583.9	3067.3	3556.5	3708.5	3660.1	3458.3	3493.5	3326.8
62.5°	1789.7	1812.2	2000.4	2346.9	3036.0	4065.3	4350.2	4171.8	3851.2	3817.5	3695.3
65°	1067.9	1066.9	1293.2	1752.6	2650.4	4206.5	5365.8	5033.0	4458.2	4262.2	4074.6
67.5°	678.8	677.4	724.8	928.6	1763.8	3860.5	6018.7	6105.2	5282.7	4589.2	4105.8
70°	535.7	535.2	569.4	662.2	872.4	2747.2	5836.9	6435.6	5780.7	4464.6	3615.2
72.5°	390.5	391.5	444.3	554.7	673.0	1379.2	4726.5	5506.6	5316.9	3941.1	2934.8
75°	280.5	282.0	313.8	424.7	620.7	754.1	3143.0	4140.5	4045.2	3159.2	2019.0
77.5°	178.4	180.3	208.2	297.6	501.4	609.0	1905.6	2923.1	2691.5	1780.0	717.9
80°	109.0	115.3	138.8	221.9	400.8	457.0	952.5	1540.0	1347.9	488.2	241.4
82.5°	56.2	61.1	83.6	137.3	276.1	401.2	539.1	647.1	417.4	204.3	128.5
85°	17.6	20.5	29.3	55.7	131.5	248.8	356.8	321.6	191.6	96.3	59.6
87.5°	4.4	4.4	4.9	4.9	5.4	11.2	68.9	72.8	50.8	30.3	24.4
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°	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4	1848.4
2.5°	1835.7	1824.0	1819.1	1818.6	1806.4	1788.8	1777.0	1768.7	1763.8	1762.9	1762.9
5°	1802.9	1787.8	1767.7	1752.6	1719.9	1686.6	1658.8	1643.1	1625.0	1622.6	1622.1
7.5°	1759.4	1737.4	1699.3	1656.8	1599.6	1544.4	1497.5	1465.7	1433.9	1428.1	1426.1
10°	1712.5	1682.7	1617.7	1542.9	1457.4	1374.8	1303.0	1246.8	1209.6	1183.2	1178.3
12.5°	1666.1	1626.5	1531.2	1419.8	1302.5	1189.6	1081.6	989.7	923.2	884.6	877.8
15°	1622.6	1567.4	1436.9	1294.7	1142.2	987.7	834.8	715.5	622.2	588.9	581.1
17.5°	1583.0	1514.1	1345.5	1165.1	975.0	773.2	599.2	493.1	438.4	421.8	417.9
20°	1543.4	1459.4	1252.6	1028.8	797.6	571.3	437.9	388.1	367.5	361.2	359.2
22.5°	1500.9	1399.2	1151.5	894.4	618.2	427.6	358.2	336.2	329.9	330.4	329.9
25°	1458.4	1338.2	1045.4	748.2	460.4	347.0	312.8	304.5	305.9	310.3	311.3
27.5°	1423.2	1283.9	941.3	587.9	359.7	298.6	282.5	282.0	287.4	293.2	294.2
30°	1397.8	1235.5	838.7	452.1	296.2	265.4	259.0	262.0	268.3	272.7	274.2
32.5°	1379.7	1194.0	729.2	355.3	259.5	241.9	239.0	241.9	245.8	250.2	251.2
35°	1373.3	1163.7	621.7	289.8	234.6	224.8	222.9	224.3	226.3	228.7	229.7
37.5°	1387.5	1148.5	509.3	252.2	219.4	213.6	210.6	209.7	210.2	211.1	211.6
40°	1429.5	1155.4	417.4	230.2	209.7	204.3	199.4	197.4	197.0	197.9	197.4
42.5°	1501.9	1184.2	350.9	217.5	201.8	194.0	188.7	186.7	186.7	189.1	189.1
45°	1607.9	1240.9	303.0	208.2	195.0	185.2	179.4	178.4	180.3	184.3	184.7
47.5°	1763.3	1324.0	274.2	201.4	188.7	177.4	171.5	171.1	175.0	181.3	181.8
50°	1947.6	1443.7	258.5	196.5	184.3	171.1	165.2	165.7	170.1	176.9	178.4
52.5°	2169.5	1607.0	259.5	194.5	181.8	167.1	161.3	160.3	164.7	171.5	173.0
55°	2398.7	1805.4	278.6	195.0	178.4	165.2	157.4	154.0	157.9	162.7	163.2
57.5°	2650.9	2029.2	326.0	194.0	174.0	163.2	154.0	146.1	148.6	151.5	153.0
60°	2935.3	2292.6	428.1	196.0	172.0	158.8	147.1	136.8	136.4	138.3	138.8
62.5°	3315.6	2650.9	543.0	199.4	176.4	153.5	136.8	126.1	124.1	125.1	125.6
65°	3606.4	2821.9	506.8	196.5	185.7	149.6	127.1	115.8	111.9	110.9	110.9
67.5°	3488.1	2595.7	352.9	188.7	190.1	150.0	119.3	105.1	100.2	97.7	97.3
70°	2968.1	2108.4	245.3	180.8	185.2	149.1	110.9	96.3	89.9	86.5	86.0
72.5°	2344.9	1609.9	198.4	165.2	168.1	134.4	98.7	86.5	81.1	76.7	76.7
75°	1509.2	982.4	165.7	147.1	137.3	104.6	85.5	77.2	71.8	67.4	67.4
77.5°	507.8	364.6	128.5	124.6	102.6	78.7	71.8	66.5	62.1	58.2	57.7
80°	206.2	173.0	94.3	94.3	71.8	60.1	56.2	53.8	50.8	45.9	45.9
82.5°	119.7	105.1	66.0	57.2	47.9	41.5	39.1	36.7	36.7	33.2	33.2
85°	57.7	58.2	39.6	35.2	27.4	23.9	23.0	21.5	21.0	19.1	18.6
87.5°	31.3	31.8	20.0	15.6	10.8	9.3	7.8	7.3	6.8	6.4	6.4
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)