

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: P630609

Luminaire Tested: GWS-SA1E-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4674.3 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

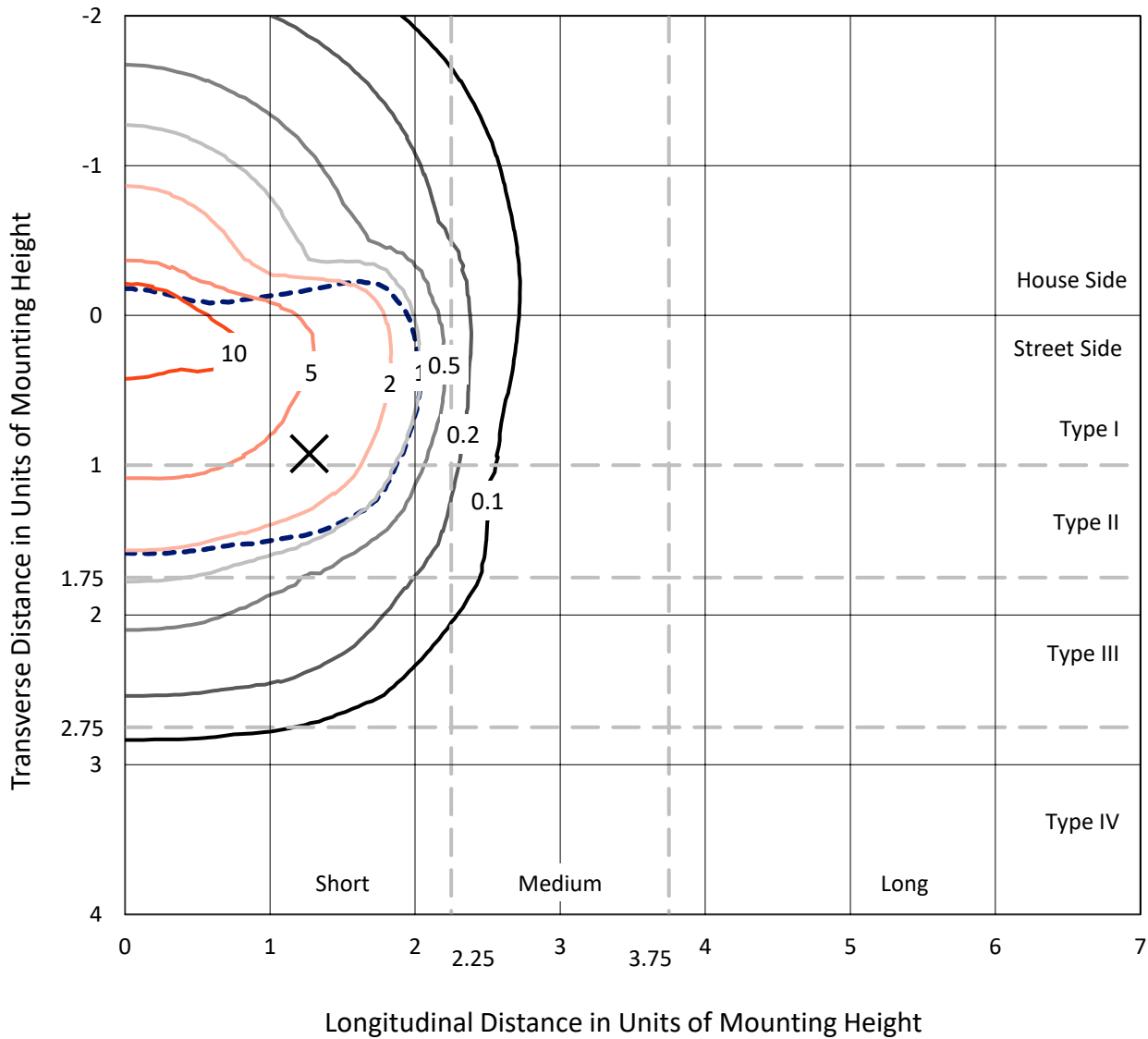
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

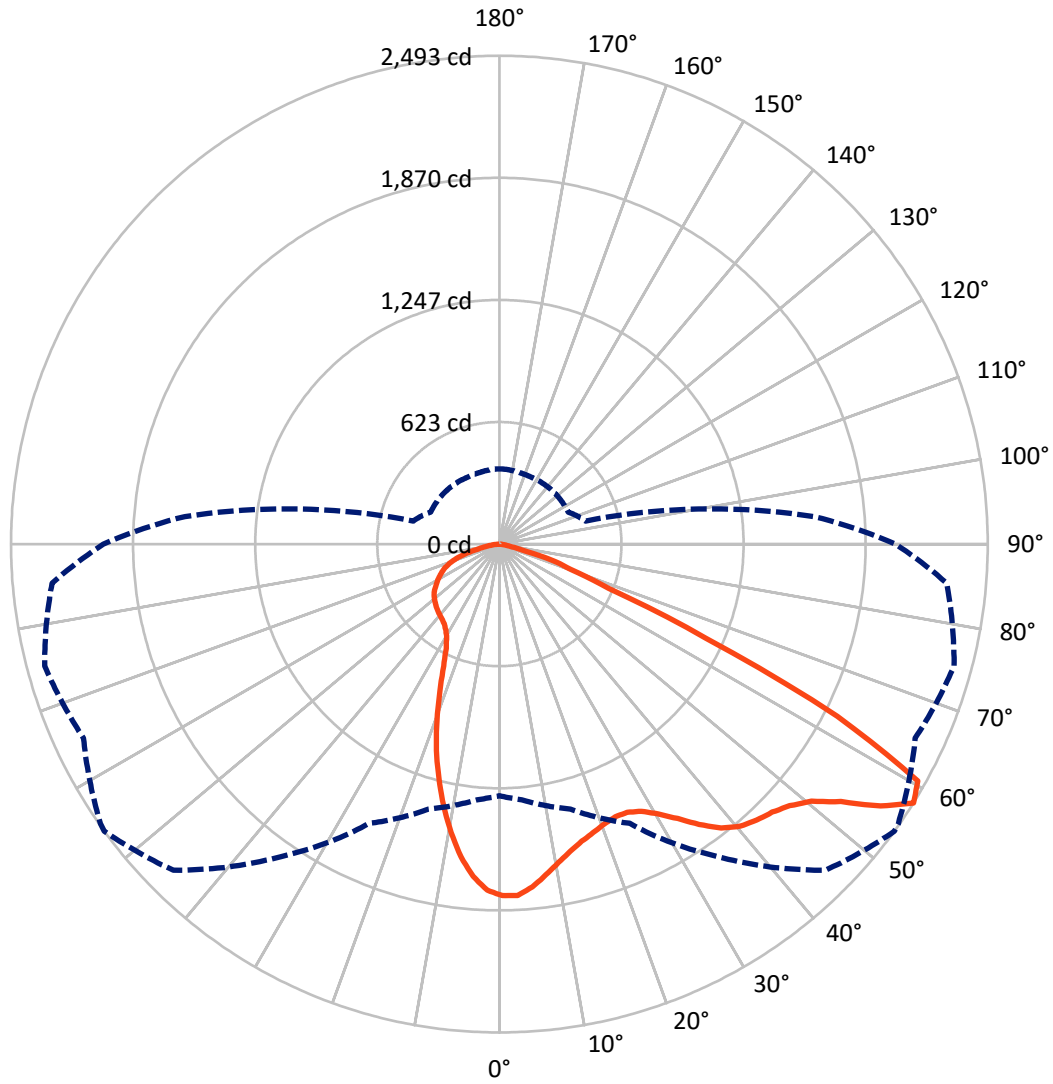
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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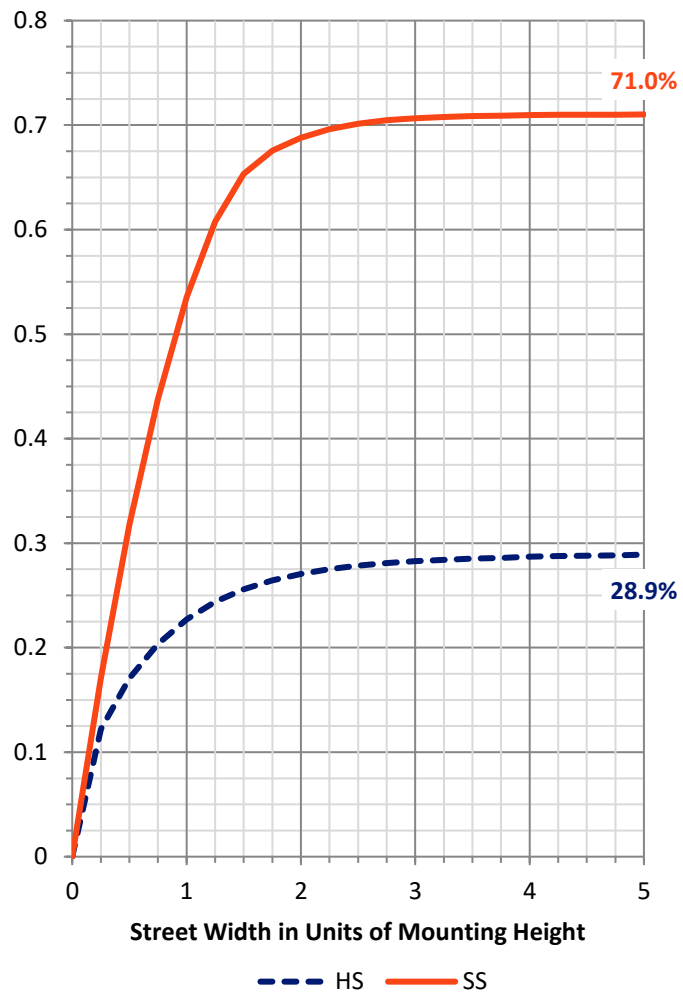
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1358.9	0.0	1358.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	3315.4	0.0	3315.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	4674.3	0.0	4674.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	3.4
10°-20°	376.4	8.1
20°-30°	520.9	11.1
30°-40°	723.8	15.5
40°-50°	955.8	20.4
50°-60°	1135.9	24.3
60°-70°	629.3	13.5
70°-80°	156.7	3.4
80°-90°	17.8	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°	4674.3	100.0
0°-180°	4674.3	100.0

Coefficient of Utilization



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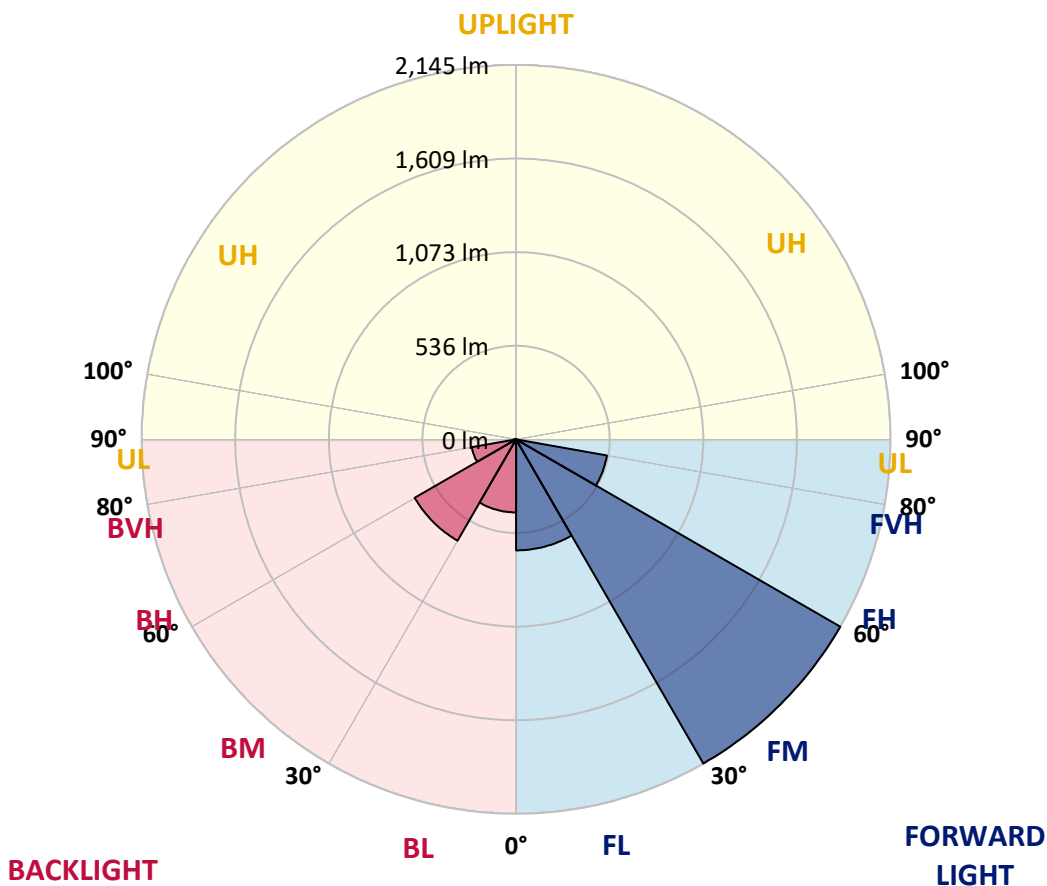
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	636.2	13.6			
FM (30°-60°)	2145.1	45.9			
FH (60°-80°)	528.5	11.3			G0/660
FVH (80°-90°)	5.6	0.1			G0/10
BL (0°-30°)	418.8	9.0	B1/500		
BM (30°-60°)	670.4	14.3	B1/1000		
BH (60°-80°)	257.5	5.5	B1/500		G1/500
BVH (80°-90°)	12.2	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6
2.5°	1761.0	1764.6	1767.0	1775.4	1782.6	1789.0	1795.8	1795.8	1795.4	1794.2	1791.8
5°	1691.3	1695.3	1700.9	1712.5	1728.1	1739.4	1757.8	1759.4	1767.4	1770.6	1769.0
7.5°	1610.5	1611.7	1618.9	1634.1	1658.9	1678.9	1705.3	1708.5	1727.7	1739.0	1737.0
10°	1522.1	1518.1	1530.9	1553.3	1585.7	1619.3	1653.3	1656.1	1686.9	1708.1	1706.5
12.5°	1441.3	1441.7	1454.5	1481.7	1522.1	1563.7	1609.3	1615.7	1653.7	1680.9	1678.1
15°	1373.6	1375.2	1390.8	1421.7	1467.7	1517.3	1574.1	1580.1	1628.1	1664.1	1656.1
17.5°	1319.6	1321.2	1334.8	1370.0	1419.3	1479.3	1548.5	1554.5	1614.1	1656.9	1640.5
20°	1282.4	1281.6	1294.8	1328.4	1379.2	1444.5	1526.1	1534.9	1609.7	1659.7	1630.1
22.5°	1267.2	1266.8	1276.4	1304.0	1351.6	1417.7	1512.5	1524.5	1614.5	1672.1	1623.7
25°	1274.8	1273.2	1281.6	1302.0	1340.0	1407.2	1516.5	1529.3	1634.9	1697.7	1624.9
27.5°	1298.4	1296.4	1303.6	1322.0	1350.8	1418.1	1544.5	1559.3	1678.1	1744.6	1640.9
30°	1334.4	1333.2	1340.4	1358.0	1383.2	1454.1	1598.1	1614.9	1745.0	1817.4	1675.7
32.5°	1376.4	1374.4	1387.2	1407.6	1436.9	1519.7	1670.1	1692.1	1824.2	1911.0	1734.2
35°	1423.7	1422.1	1439.7	1469.3	1511.3	1610.9	1757.4	1781.4	1905.0	2017.0	1811.8
37.5°	1469.7	1469.7	1503.7	1547.7	1600.5	1710.1	1839.4	1854.6	1961.0	2111.1	1895.0
40°	1510.5	1512.9	1564.1	1630.1	1697.3	1799.8	1893.4	1906.2	1985.8	2175.9	1967.4
42.5°	1555.7	1557.7	1617.3	1703.7	1783.8	1872.2	1926.2	1932.6	1990.6	2208.3	2018.6
45°	1591.7	1594.5	1668.5	1761.0	1859.0	1926.6	1952.2	1957.8	1997.4	2225.9	2055.9
47.5°	1610.5	1614.5	1699.3	1807.0	1909.8	1975.4	1995.0	1997.4	2025.4	2256.7	2100.7
50°	1607.3	1615.3	1710.9	1829.8	1947.4	2024.6	2063.9	2067.9	2082.7	2301.9	2153.1
52.5°	1635.7	1639.3	1735.8	1857.0	2001.0	2115.5	2183.5	2189.1	2182.3	2335.9	2184.3
55°	1588.5	1605.7	1704.9	1853.0	2082.7	2255.9	2360.7	2357.9	2272.7	2374.0	2236.3
57.5°	1284.8	1310.0	1400.8	1572.9	1948.2	2354.3	2493.2	2486.4	2342.7	2403.2	2292.7
60°	889.5	893.5	975.5	1097.5	1503.7	2079.9	2454.4	2469.2	2355.5	2366.4	2188.3
62.5°	711.4	710.2	717.8	721.0	956.3	1462.1	1937.4	1991.4	1957.0	1843.8	1550.9
65°	607.4	611.8	634.2	622.6	624.2	823.5	1157.6	1165.2	1141.2	1100.3	820.3
67.5°	475.4	483.0	522.6	567.8	553.4	530.2	600.6	597.0	470.5	364.1	300.9
70°	297.7	302.5	344.9	445.7	481.8	435.3	386.1	384.5	252.1	207.3	227.3
72.5°	173.7	174.5	186.5	248.5	319.7	297.7	284.1	273.7	162.1	165.3	181.3
75°	95.6	95.6	95.2	107.2	126.0	111.6	108.0	105.2	108.4	122.8	134.8
77.5°	20.0	20.4	21.6	28.4	36.8	44.8	56.4	56.8	70.8	82.0	91.6
80°	9.2	9.6	12.0	15.2	19.6	26.0	34.4	34.8	42.8	51.6	58.0
82.5°	4.8	5.2	6.4	8.0	10.4	13.6	19.2	19.2	25.6	30.4	34.4
85°	1.6	1.6	2.4	3.2	4.4	5.6	7.6	7.6	11.2	14.8	17.2
87.5°	0.0	0.0	0.0	0.0	0.4	0.8	1.6	1.6	2.0	2.4	4.0
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°	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6	1794.6
2.5°	1786.6	1774.2	1774.6	1777.0	1769.4	1757.8	1750.2	1740.6	1734.6	1733.4	1737.8
5°	1761.0	1746.6	1736.6	1726.1	1704.5	1678.9	1658.9	1642.5	1631.7	1627.7	1622.9
7.5°	1725.7	1706.9	1681.7	1652.5	1613.3	1567.7	1535.7	1505.7	1484.9	1478.9	1476.1
10°	1690.5	1663.3	1618.5	1564.1	1498.9	1437.3	1379.2	1334.8	1299.6	1279.6	1286.0
12.5°	1654.1	1620.5	1550.5	1466.9	1376.0	1283.2	1207.2	1133.6	1076.7	1048.3	1039.9
15°	1622.1	1576.5	1478.9	1365.6	1244.8	1128.0	1017.9	907.5	835.5	796.3	785.4
17.5°	1594.9	1535.7	1403.2	1262.4	1118.0	951.5	816.3	713.8	664.6	643.0	641.4
20°	1568.1	1495.7	1328.4	1151.2	971.5	785.0	664.2	616.2	598.6	591.0	590.6
22.5°	1544.1	1453.7	1249.6	1039.9	825.9	659.8	593.4	572.6	567.8	567.8	567.0
25°	1523.7	1411.6	1168.8	921.9	694.2	587.4	556.6	547.8	549.8	553.4	553.8
27.5°	1515.3	1378.8	1090.7	800.7	603.4	545.4	531.4	530.2	535.8	541.4	542.2
30°	1524.1	1356.4	1010.7	684.6	549.0	519.8	513.4	515.8	522.6	528.2	528.2
32.5°	1551.3	1345.2	929.1	599.8	517.4	501.8	499.8	502.2	507.4	510.6	511.0
35°	1597.3	1349.6	844.7	542.6	497.0	488.6	488.2	489.8	491.8	493.8	494.2
37.5°	1655.3	1369.2	754.2	509.4	483.8	479.0	478.2	477.8	478.2	478.2	478.6
40°	1712.1	1398.8	673.4	489.8	474.6	470.5	468.5	465.7	465.3	464.5	464.1
42.5°	1754.2	1421.7	609.0	475.8	466.1	461.3	458.9	454.5	454.1	453.7	453.3
45°	1785.8	1440.9	555.4	462.1	457.3	452.9	447.7	443.7	444.5	445.3	445.3
47.5°	1821.4	1457.7	516.2	449.3	446.5	442.1	435.7	432.9	435.7	438.5	438.5
50°	1864.6	1481.3	484.2	436.5	435.3	430.1	424.5	423.3	426.5	430.5	430.5
52.5°	1896.2	1501.7	461.3	423.7	423.7	416.9	412.1	411.7	415.3	419.3	419.7
55°	1955.4	1549.3	453.3	408.9	407.3	402.1	398.5	395.7	400.1	403.7	403.7
57.5°	2022.2	1612.5	455.3	387.7	385.7	384.1	381.3	378.1	379.3	383.3	383.7
60°	1880.6	1490.1	433.3	366.5	365.3	364.5	360.9	355.3	356.9	360.1	360.5
62.5°	1313.6	990.3	350.5	340.1	344.1	343.7	338.9	332.5	332.9	337.3	337.3
65°	681.8	535.8	307.7	316.1	322.1	319.7	311.7	306.1	305.3	310.9	309.7
67.5°	294.1	292.5	280.1	290.9	297.3	292.1	283.7	274.5	275.3	277.3	275.7
70°	236.9	244.1	249.3	260.9	266.1	256.5	247.3	242.1	237.7	237.3	234.5
72.5°	189.3	199.3	210.9	222.9	224.5	214.9	203.3	198.5	191.7	191.3	188.5
75°	142.4	150.8	160.1	169.7	169.7	160.5	152.8	150.4	142.4	140.0	137.6
77.5°	97.2	102.4	109.6	112.0	114.4	110.8	103.2	99.2	90.0	87.6	84.4
80°	61.2	64.8	69.2	70.8	73.2	68.8	62.8	58.4	52.0	50.0	48.4
82.5°	36.8	39.2	42.0	42.8	44.8	41.6	36.0	32.8	29.2	27.6	26.4
85°	18.8	20.0	21.6	22.0	21.6	18.4	16.4	14.8	12.4	12.0	11.2
87.5°	4.8	5.6	6.0	5.6	5.2	4.0	2.8	2.0	0.8	0.8	0.4
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)