

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: P630224

Luminaire Tested: GWS-SA1D-730-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630224
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-SA1D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4624.2 lumens
Efficiency: N/A
Efficacy: 104.4 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

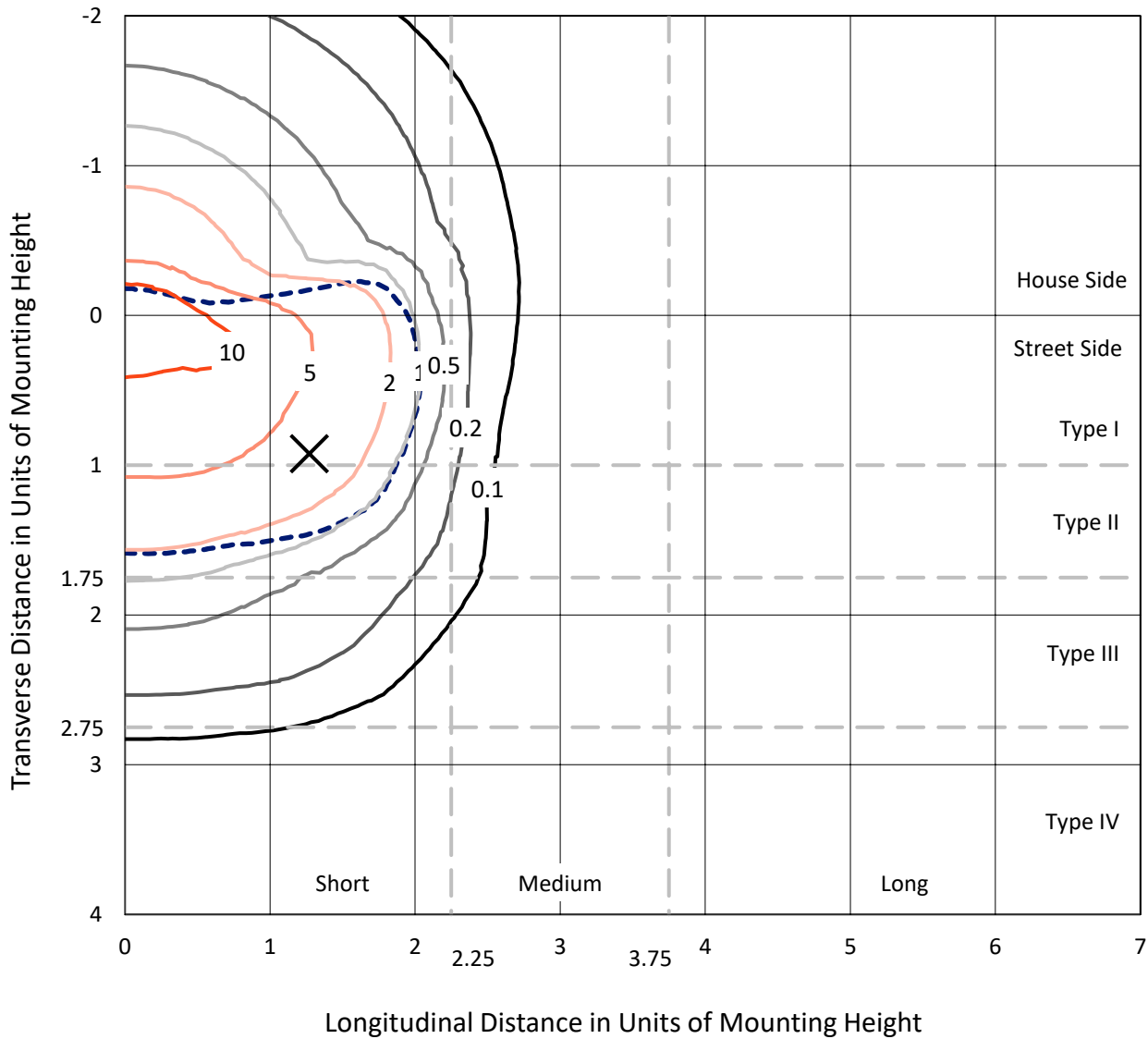
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

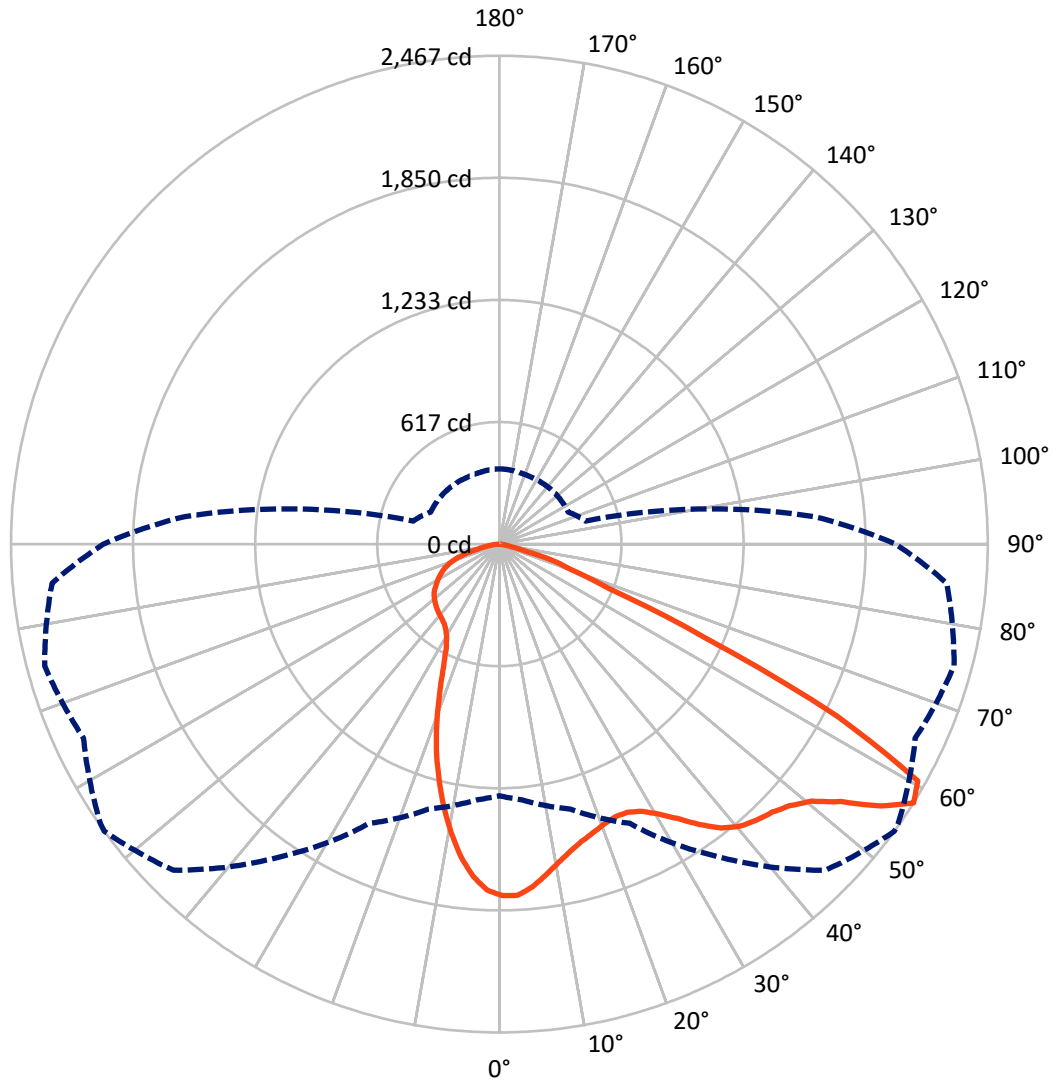
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 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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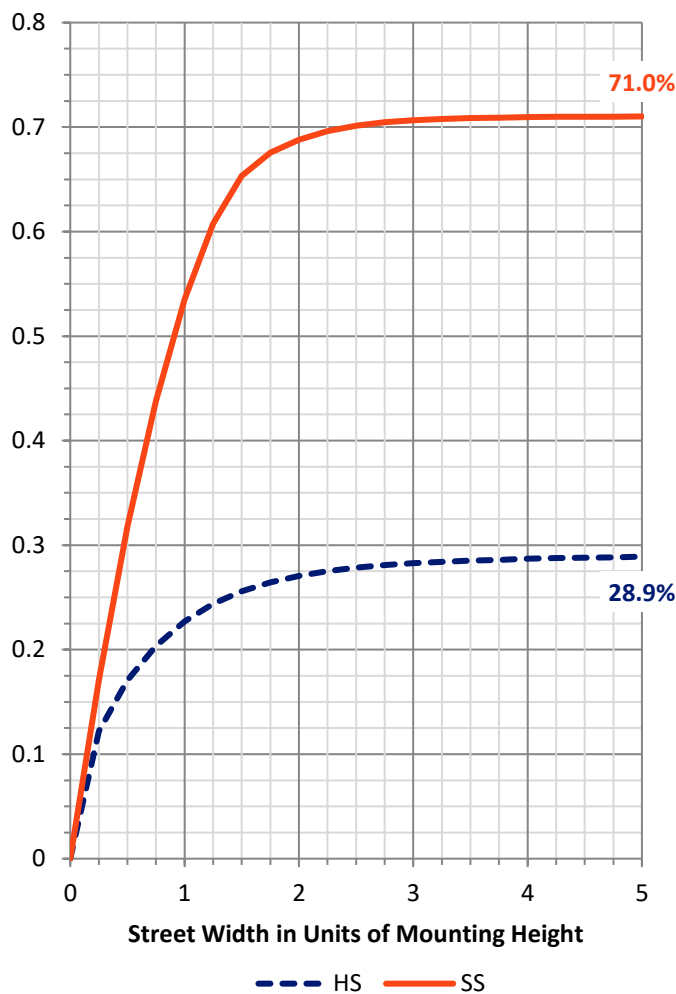
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1344.3	0.0	1344.3
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	3279.9	0.0	3279.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	4624.2	0.0	4624.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	3.4
10°-20°	372.4	8.1
20°-30°	515.3	11.1
30°-40°	716.0	15.5
40°-50°	945.6	20.4
50°-60°	1123.7	24.3
60°-70°	622.6	13.5
70°-80°	155.0	3.4
80°-90°	17.6	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°	4624.2	100.0
0°-180°	4624.2	100.0

Coefficient of Utilization



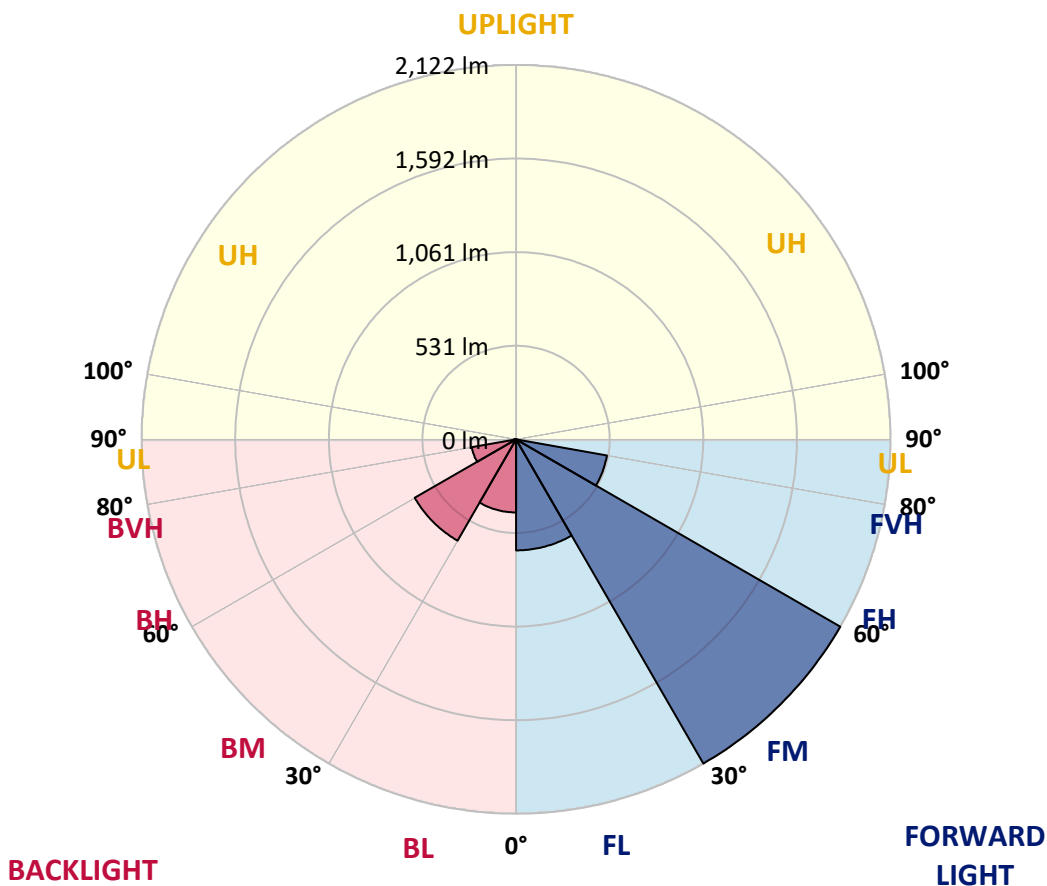
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	629.4	13.6			
FM (30°-60°)	2122.1	45.9			
FH (60°-80°)	522.8	11.3			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	414.3	9.0	B1/500		
BM (30°-60°)	663.2	14.3	B1/1000		
BH (60°-80°)	254.7	5.5	B1/500		G1/500
BVH (80°-90°)	12.1	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3
2.5°	1742.1	1745.6	1748.0	1756.3	1763.5	1769.8	1776.5	1776.5	1776.1	1774.9	1772.6
5°	1673.2	1677.2	1682.7	1694.2	1709.6	1720.7	1738.9	1740.5	1748.4	1751.6	1750.0
7.5°	1593.2	1594.4	1601.6	1616.6	1641.1	1660.9	1687.1	1690.2	1709.2	1720.3	1718.3
10°	1505.8	1501.8	1514.5	1536.6	1568.7	1602.0	1635.6	1638.4	1668.9	1689.8	1688.3
12.5°	1425.8	1426.2	1438.9	1465.8	1505.8	1546.9	1592.1	1598.4	1636.0	1662.9	1660.1
15°	1358.9	1360.5	1375.9	1406.4	1451.9	1501.0	1557.2	1563.2	1610.7	1646.3	1638.4
17.5°	1305.5	1307.1	1320.5	1355.4	1404.0	1463.4	1531.9	1537.8	1596.8	1639.2	1622.9
20°	1268.7	1267.9	1280.9	1314.2	1364.5	1429.0	1509.7	1518.4	1592.5	1641.9	1612.6
22.5°	1253.6	1253.2	1262.7	1290.0	1337.1	1402.5	1496.3	1508.1	1597.2	1654.2	1606.3
25°	1261.1	1259.6	1267.9	1288.1	1325.7	1392.2	1500.2	1512.9	1617.4	1679.5	1607.5
27.5°	1284.5	1282.5	1289.6	1307.9	1336.4	1402.9	1527.9	1542.6	1660.1	1725.9	1623.3
30°	1320.1	1318.9	1326.1	1343.5	1368.4	1438.5	1581.0	1597.6	1726.3	1797.9	1657.8
32.5°	1361.7	1359.7	1372.4	1392.6	1421.5	1503.4	1652.2	1674.0	1804.6	1890.5	1715.6
35°	1408.4	1406.8	1424.2	1453.5	1495.1	1593.6	1738.5	1762.3	1884.6	1995.4	1792.4
37.5°	1453.9	1453.9	1487.6	1531.1	1583.4	1691.8	1819.7	1834.7	1940.0	2088.4	1874.7
40°	1494.3	1496.7	1547.3	1612.6	1679.1	1780.5	1873.1	1885.8	1964.5	2152.6	1946.3
42.5°	1539.0	1541.0	1600.0	1685.5	1764.6	1852.1	1905.6	1911.9	1969.3	2184.6	1997.0
45°	1574.6	1577.4	1650.6	1742.1	1839.1	1906.0	1931.3	1936.8	1976.0	2202.0	2033.8
47.5°	1593.2	1597.2	1681.1	1787.6	1889.3	1954.3	1973.7	1976.0	2003.7	2232.5	2078.2
50°	1590.1	1598.0	1692.6	1810.2	1926.5	2002.9	2041.7	2045.7	2060.3	2277.3	2130.0
52.5°	1618.2	1621.8	1717.1	1837.1	1979.6	2092.8	2160.1	2165.6	2158.9	2310.9	2160.9
55°	1571.5	1588.5	1686.7	1833.1	2060.3	2231.7	2335.4	2332.7	2248.4	2348.5	2212.3
57.5°	1271.0	1296.0	1385.8	1556.0	1927.3	2329.1	2466.5	2459.7	2317.6	2377.4	2268.2
60°	879.9	883.9	965.1	1085.8	1487.6	2057.6	2428.1	2442.7	2330.3	2341.0	2164.8
62.5°	703.8	702.6	710.1	713.3	946.1	1446.4	1916.6	1970.1	1936.0	1824.0	1534.3
65°	600.9	605.2	627.4	615.9	617.5	814.6	1145.2	1152.7	1128.9	1088.6	811.5
67.5°	470.3	477.8	517.0	561.7	547.4	524.5	594.2	590.6	465.5	360.2	297.7
70°	294.5	299.3	341.2	441.0	476.6	430.7	382.0	380.4	249.4	205.0	224.8
72.5°	171.8	172.6	184.5	245.8	316.3	294.5	281.0	270.8	160.3	163.5	179.3
75°	94.6	94.6	94.2	106.1	124.7	110.4	106.9	104.1	107.3	121.5	133.4
77.5°	19.8	20.2	21.4	28.1	36.4	44.3	55.8	56.2	70.1	81.1	90.6
80°	9.1	9.5	11.9	15.0	19.4	25.7	34.0	34.4	42.4	51.1	57.4
82.5°	4.8	5.1	6.3	7.9	10.3	13.5	19.0	19.0	25.3	30.1	34.0
85°	1.6	1.6	2.4	3.2	4.4	5.5	7.5	7.5	11.1	14.6	17.0
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°	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3	1775.3
2.5°	1767.4	1755.1	1755.5	1757.9	1750.4	1738.9	1731.4	1721.9	1716.0	1714.8	1719.1
5°	1742.1	1727.8	1717.9	1707.6	1686.3	1660.9	1641.1	1624.9	1614.2	1610.3	1605.5
7.5°	1707.3	1688.6	1663.7	1634.8	1596.0	1550.9	1519.2	1489.5	1469.0	1463.0	1460.2
10°	1672.4	1645.5	1601.2	1547.3	1482.8	1421.9	1364.5	1320.5	1285.7	1265.9	1272.2
12.5°	1636.4	1603.1	1533.9	1451.1	1361.3	1269.5	1194.2	1121.4	1065.2	1037.1	1028.8
15°	1604.7	1559.6	1463.0	1351.0	1231.5	1115.9	1007.0	897.8	826.5	787.7	777.0
17.5°	1577.8	1519.2	1388.2	1248.9	1106.0	941.3	807.5	706.2	657.5	636.1	634.5
20°	1551.3	1479.6	1314.2	1138.8	961.1	776.6	657.1	609.6	592.2	584.7	584.3
22.5°	1527.5	1438.1	1236.2	1028.8	817.0	652.7	587.0	566.4	561.7	561.7	560.9
25°	1507.4	1396.5	1156.2	912.0	686.8	581.1	550.6	541.9	543.9	547.4	547.8
27.5°	1499.0	1364.1	1079.1	792.1	596.9	539.5	525.7	524.5	530.0	535.6	536.4
30°	1507.7	1341.9	999.9	677.3	543.1	514.2	507.9	510.2	517.0	522.5	522.5
32.5°	1534.7	1330.8	919.1	593.4	511.8	496.4	494.4	496.8	501.9	505.1	505.5
35°	1580.2	1335.2	835.6	536.8	491.6	483.3	482.9	484.5	486.5	488.5	488.9
37.5°	1637.6	1354.6	746.2	503.9	478.6	473.8	473.0	472.6	473.0	473.0	473.4
40°	1693.8	1383.9	666.2	484.5	469.5	465.5	463.5	460.8	460.4	459.6	459.2
42.5°	1735.4	1406.4	602.5	470.7	461.2	456.4	454.0	449.7	449.3	448.9	448.5
45°	1766.6	1425.4	549.4	457.2	452.4	448.1	442.9	439.0	439.8	440.6	440.6
47.5°	1801.9	1442.0	510.6	444.5	441.8	437.4	431.1	428.3	431.1	433.8	433.8
50°	1844.6	1465.4	479.0	431.9	430.7	425.5	420.0	418.8	422.0	425.9	425.9
52.5°	1875.9	1485.6	456.4	419.2	419.2	412.5	407.7	407.3	410.9	414.8	415.2
55°	1934.5	1532.7	448.5	404.5	403.0	397.8	394.3	391.5	395.8	399.4	399.4
57.5°	2000.6	1595.2	450.5	383.6	381.6	380.0	377.2	374.1	375.3	379.2	379.6
60°	1860.4	1474.1	428.7	362.6	361.4	360.6	357.0	351.5	353.1	356.3	356.7
62.5°	1299.5	979.7	346.8	336.5	340.4	340.0	335.3	328.9	329.3	333.7	333.7
65°	674.5	530.0	304.4	312.7	318.6	316.3	308.4	302.8	302.0	307.6	306.4
67.5°	290.9	289.4	277.1	287.8	294.1	289.0	280.6	271.5	272.3	274.3	272.7
70°	234.3	241.5	246.6	258.1	263.2	253.7	244.6	239.5	235.1	234.7	232.0
72.5°	187.2	197.1	208.6	220.5	222.1	212.6	201.1	196.3	189.6	189.2	186.4
75°	140.9	149.2	158.3	167.8	167.8	158.7	151.2	148.8	140.9	138.5	136.2
77.5°	96.2	101.3	108.5	110.8	113.2	109.6	102.1	98.2	89.1	86.7	83.5
80°	60.6	64.1	68.5	70.1	72.4	68.1	62.1	57.8	51.5	49.5	47.9
82.5°	36.4	38.8	41.6	42.4	44.3	41.2	35.6	32.5	28.9	27.3	26.1
85°	18.6	19.8	21.4	21.8	21.4	18.2	16.2	14.6	12.3	11.9	11.1
87.5°	4.8	5.5	5.9	5.5	5.1	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)