

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: P630444

Luminaire Tested: GWS-SA1D-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630444
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5123.3 lumens
Efficiency: N/A
Efficacy: 115.6 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

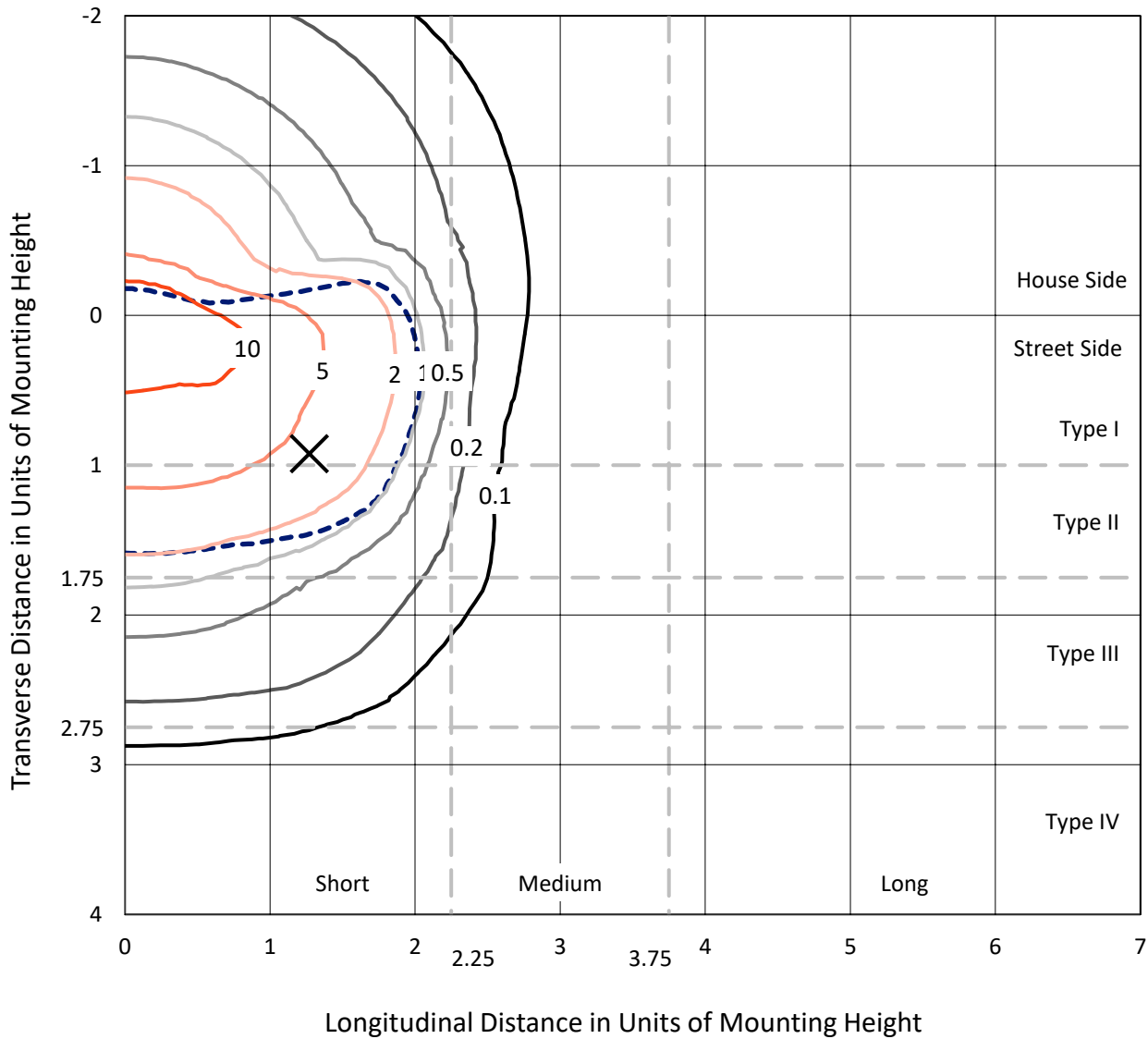
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630444
 CATALOG NUMBER: GWS-SA1D-760-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

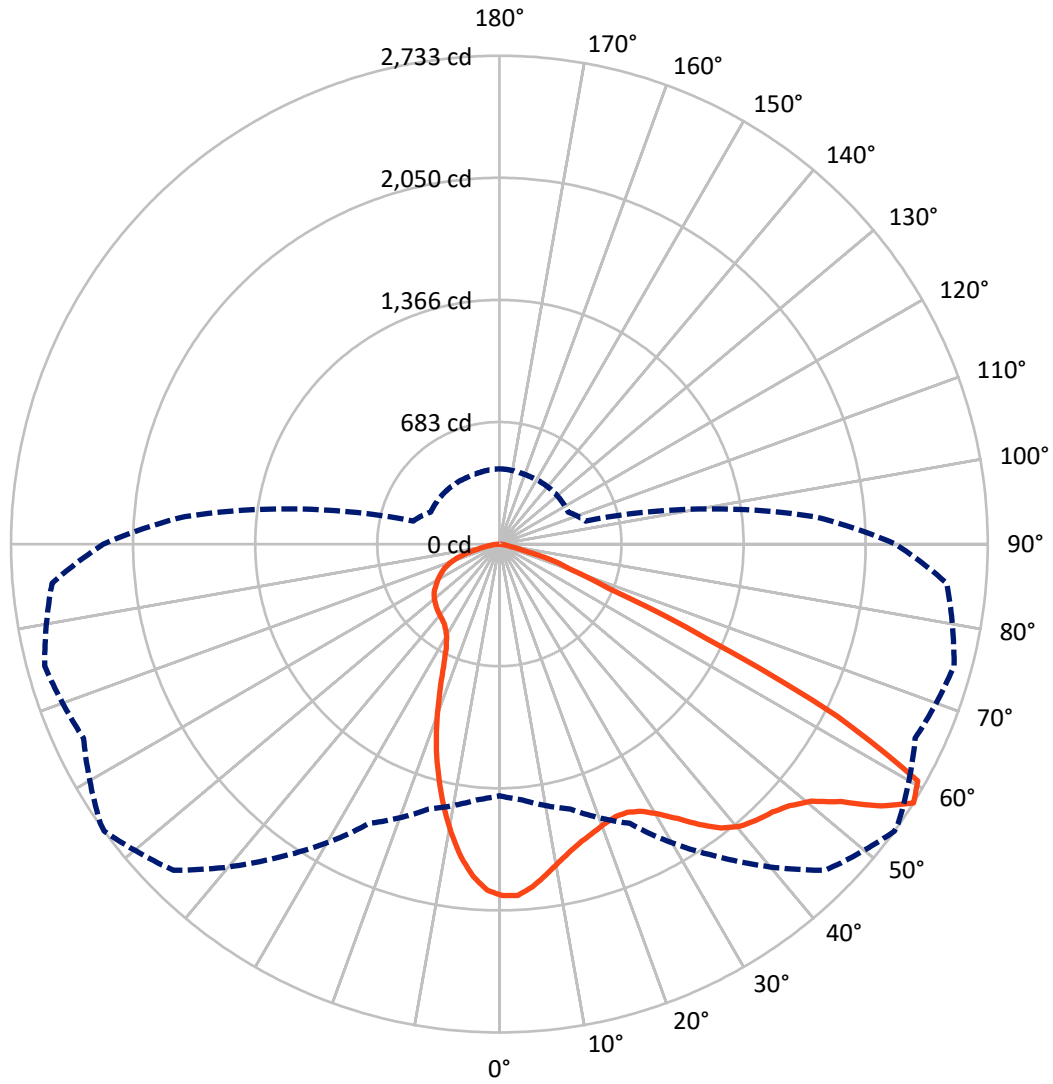
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 fc
 Type II - Short - N/A

REPORT NUMBER: P630444
CATALOG NUMBER: GWS-SA1D-760-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630444

CATALOG NUMBER: GWS-SA1D-760-U-SL3-W-GRSWH

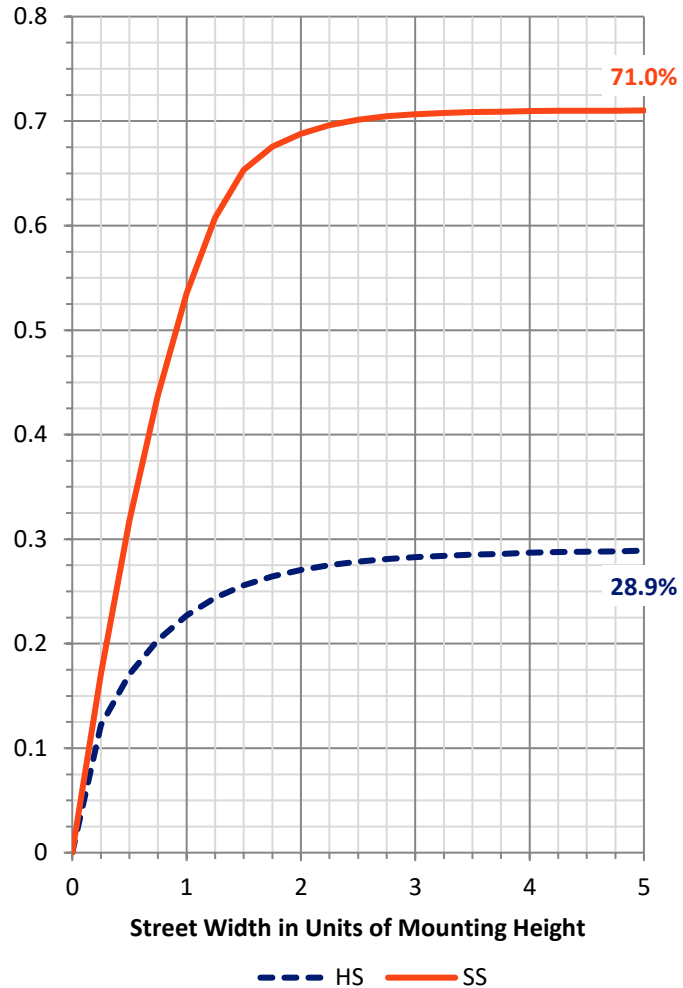
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1489.4	0.0	1489.4
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	3633.9	0.0	3633.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	5123.3	0.0	5123.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	3.4
10°-20°	412.5	8.1
20°-30°	570.9	11.1
30°-40°	793.3	15.5
40°-50°	1047.7	20.4
50°-60°	1245.0	24.3
60°-70°	689.7	13.5
70°-80°	171.8	3.4
80°-90°	19.5	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°	5123.3	100.0
0°-180°	5123.3	100.0

Coefficient of Utilization



REPORT NUMBER: P630444

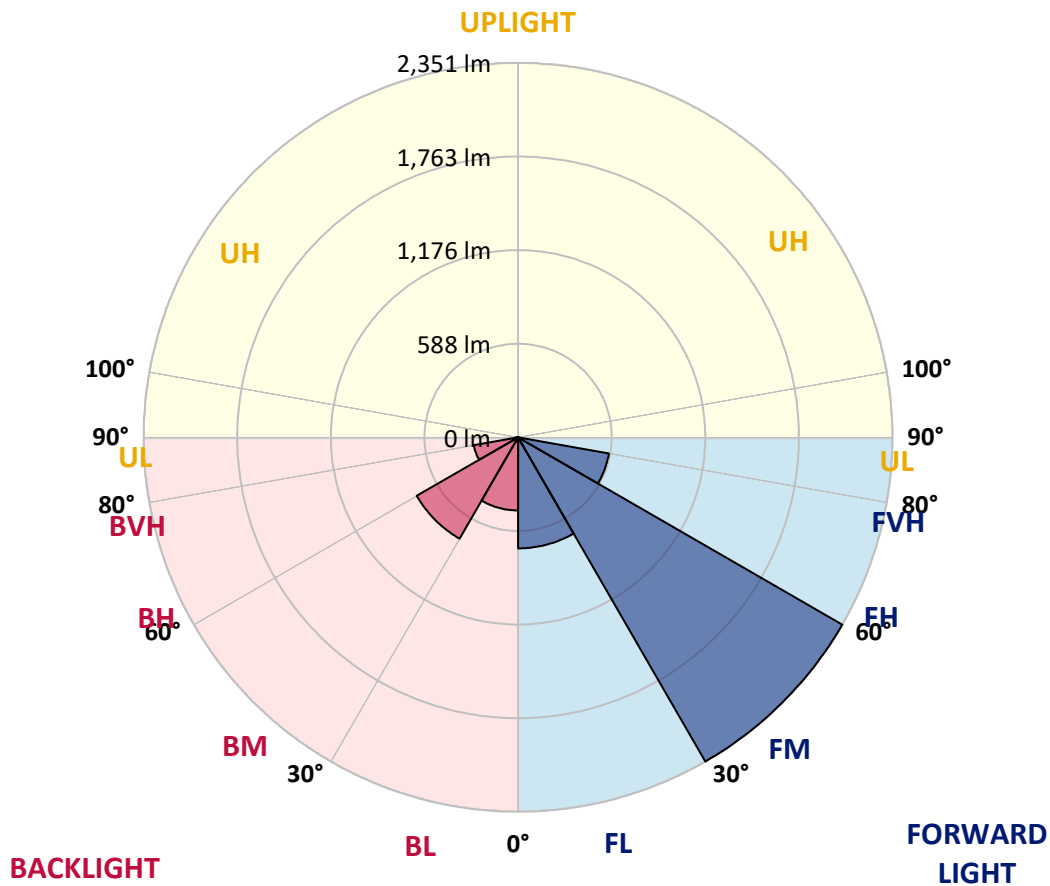
CATALOG NUMBER: GWS-SA1D-760-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.4	13.6			
FM (30°-60°)	2351.2	45.9			
FH (60°-80°)	579.3	11.3			G0/660
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	459.0	9.0	B1/500		
BM (30°-60°)	734.8	14.3	B1/1000		
BH (60°-80°)	282.2	5.5	B1/500		G1/500
BVH (80°-90°)	13.4	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





REPORT NUMBER: P630444

CATALOG NUMBER: GWS-SA1D-760-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0
2.5°	1930.1	1934.1	1936.7	1945.9	1953.8	1960.8	1968.3	1968.3	1967.8	1966.5	1963.9
5°	1853.8	1858.2	1864.3	1877.0	1894.1	1906.4	1926.6	1928.4	1937.1	1940.6	1938.9
7.5°	1765.2	1766.5	1774.4	1791.1	1818.3	1840.2	1869.2	1872.7	1893.7	1906.0	1903.8
10°	1668.3	1663.9	1677.9	1702.5	1738.0	1774.9	1812.1	1815.2	1849.0	1872.2	1870.5
12.5°	1579.7	1580.1	1594.2	1624.0	1668.3	1713.9	1763.9	1770.9	1812.6	1842.4	1839.3
15°	1505.6	1507.3	1524.4	1558.2	1608.6	1663.0	1725.3	1731.9	1784.5	1824.0	1815.2
17.5°	1446.4	1448.1	1463.0	1501.6	1555.6	1621.4	1697.2	1703.8	1769.2	1816.1	1798.1
20°	1405.6	1404.7	1419.2	1456.0	1511.7	1583.2	1672.7	1682.3	1764.3	1819.2	1786.7
22.5°	1388.9	1388.5	1399.0	1429.3	1481.5	1553.8	1657.8	1670.9	1769.6	1832.8	1779.7
25°	1397.3	1395.5	1404.7	1427.1	1468.7	1542.4	1662.2	1676.2	1792.0	1860.8	1781.0
27.5°	1423.1	1420.9	1428.8	1449.0	1480.6	1554.3	1692.8	1709.1	1839.3	1912.1	1798.5
30°	1462.6	1461.3	1469.2	1488.5	1516.1	1593.7	1751.6	1770.0	1912.6	1991.9	1836.7
32.5°	1508.7	1506.5	1520.5	1542.9	1574.9	1665.7	1830.6	1854.7	1999.4	2094.6	1900.7
35°	1560.4	1558.6	1577.9	1610.4	1656.4	1765.7	1926.2	1952.5	2088.0	2210.8	1985.8
37.5°	1610.8	1610.8	1648.1	1696.4	1754.2	1874.4	2016.1	2032.7	2149.4	2313.9	2077.0
40°	1655.6	1658.2	1714.3	1786.7	1860.4	1972.7	2075.3	2089.3	2176.6	2384.9	2156.4
42.5°	1705.1	1707.3	1772.7	1867.4	1955.1	2052.0	2111.2	2118.3	2181.8	2420.4	2212.5
45°	1744.6	1747.7	1828.8	1930.1	2037.6	2111.7	2139.7	2145.9	2189.3	2439.7	2253.3
47.5°	1765.2	1769.6	1862.6	1980.5	2093.3	2165.2	2186.7	2189.3	2220.0	2473.5	2302.5
50°	1761.7	1770.5	1875.3	2005.5	2134.5	2219.1	2262.1	2266.5	2282.7	2523.0	2359.9
52.5°	1792.8	1796.8	1902.5	2035.4	2193.2	2318.7	2393.2	2399.4	2391.9	2560.3	2394.1
55°	1741.1	1759.9	1868.7	2031.0	2282.7	2472.6	2587.5	2584.4	2491.0	2602.0	2451.1
57.5°	1408.2	1435.9	1535.4	1724.0	2135.4	2580.5	2732.7	2725.2	2567.8	2634.0	2513.0
60°	974.9	979.3	1069.2	1203.0	1648.1	2279.6	2690.1	2706.4	2581.8	2593.7	2398.5
62.5°	779.8	778.4	786.8	790.3	1048.2	1602.5	2123.5	2182.7	2145.0	2020.9	1699.9
65°	665.7	670.6	695.1	682.4	684.2	902.6	1268.8	1277.1	1250.8	1206.0	899.1
67.5°	521.0	529.3	572.8	622.3	606.5	581.1	658.3	654.3	515.7	399.1	329.8
70°	326.3	331.6	378.0	488.6	528.0	477.2	423.2	421.5	276.3	227.2	249.1
72.5°	190.3	191.2	204.4	272.3	350.4	326.3	311.4	300.0	177.6	181.1	198.7
75°	104.8	104.8	104.4	117.5	138.1	122.4	118.4	115.3	118.9	134.6	147.8
77.5°	21.9	22.4	23.7	31.1	40.3	49.1	61.8	62.3	77.6	89.9	100.4
80°	10.1	10.5	13.2	16.7	21.5	28.5	37.7	38.2	46.9	56.6	63.6
82.5°	5.3	5.7	7.0	8.8	11.4	14.9	21.1	21.1	28.1	33.3	37.7
85°	1.8	1.8	2.6	3.5	4.8	6.1	8.3	8.3	12.3	16.2	18.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.8	1.8	2.2	2.6	4.4
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: P630444

CATALOG NUMBER: GWS-SA1D-760-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0
2.5°	1958.2	1944.6	1945.0	1947.7	1939.3	1926.6	1918.3	1907.7	1901.2	1899.9	1904.7
5°	1930.1	1914.3	1903.4	1892.0	1868.3	1840.2	1818.3	1800.3	1788.5	1784.1	1778.8
7.5°	1891.5	1870.9	1843.3	1811.3	1768.3	1718.3	1683.2	1650.3	1627.5	1620.9	1617.9
10°	1852.9	1823.1	1774.0	1714.3	1642.9	1575.3	1511.7	1463.0	1424.4	1402.5	1409.5
12.5°	1813.0	1776.2	1699.4	1607.8	1508.2	1406.5	1323.1	1242.4	1180.2	1149.0	1139.8
15°	1777.9	1727.9	1620.9	1496.8	1364.4	1236.3	1115.7	994.7	915.7	872.7	860.9
17.5°	1748.1	1683.2	1538.0	1383.7	1225.3	1042.9	894.7	782.4	728.5	704.8	703.0
20°	1718.7	1639.3	1456.0	1261.7	1064.8	860.5	728.0	675.4	656.1	647.8	647.3
22.5°	1692.4	1593.3	1369.6	1139.8	905.2	723.2	650.4	627.6	622.3	622.3	621.4
25°	1670.0	1547.2	1281.0	1010.4	760.9	643.8	610.0	600.4	602.6	606.5	607.0
27.5°	1660.8	1511.3	1195.5	877.6	661.4	597.8	582.4	581.1	587.2	593.4	594.3
30°	1670.5	1486.7	1107.8	750.4	601.7	569.7	562.7	565.3	572.8	578.9	578.9
32.5°	1700.3	1474.4	1018.3	657.4	567.1	550.0	547.8	550.4	556.1	559.6	560.0
35°	1750.7	1479.3	925.8	594.7	544.7	535.5	535.0	536.8	539.0	541.2	541.6
37.5°	1814.3	1500.8	826.7	558.3	530.2	525.0	524.1	523.6	524.1	524.1	524.5
40°	1876.6	1533.2	738.1	536.8	520.1	515.7	513.6	510.5	510.0	509.2	508.7
42.5°	1922.7	1558.2	667.5	521.5	510.9	505.7	503.0	498.2	497.8	497.3	496.9
45°	1957.3	1579.3	608.7	506.5	501.3	496.5	490.8	486.4	487.2	488.1	488.1
47.5°	1996.3	1597.7	565.7	492.5	489.4	484.6	477.6	474.5	477.6	480.7	480.7
50°	2043.7	1623.6	530.7	478.5	477.2	471.5	465.3	464.0	467.5	471.9	471.9
52.5°	2078.3	1645.9	505.7	464.4	464.4	457.0	451.7	451.3	455.2	459.6	460.1
55°	2143.3	1698.1	496.9	448.2	446.5	440.8	436.8	433.7	438.6	442.5	442.5
57.5°	2216.5	1767.4	499.1	425.0	422.8	421.0	417.9	414.4	415.8	420.1	420.6
60°	2061.2	1633.2	475.0	401.7	400.4	399.5	395.6	389.4	391.2	394.7	395.1
62.5°	1439.8	1085.4	384.2	372.8	377.2	376.7	371.5	364.4	364.9	369.7	369.7
65°	747.3	587.2	337.3	346.5	353.0	350.4	341.6	335.5	334.6	340.8	339.4
67.5°	322.3	320.6	307.0	318.8	325.9	320.2	310.9	300.9	301.7	303.9	302.2
70°	259.6	267.5	273.2	285.9	291.6	281.1	271.0	265.3	260.5	260.1	257.0
72.5°	207.4	218.4	231.1	244.3	246.0	235.5	222.8	217.5	210.1	209.6	206.6
75°	156.1	165.3	175.4	186.0	186.0	175.9	167.5	164.9	156.1	153.5	150.9
77.5°	106.6	112.3	120.2	122.8	125.4	121.5	113.1	108.8	98.7	96.0	92.5
80°	67.1	71.0	75.9	77.6	80.3	75.4	68.9	64.0	57.0	54.8	53.1
82.5°	40.3	43.0	46.0	46.9	49.1	45.6	39.5	36.0	32.0	30.3	28.9
85°	20.6	21.9	23.7	24.1	23.7	20.2	18.0	16.2	13.6	13.2	12.3
87.5°	5.3	6.1	6.6	6.1	5.7	4.4	3.1	2.2	0.9	0.9	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)