

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: P632422

Luminaire Tested: GWS-SA2C-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9176 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - 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

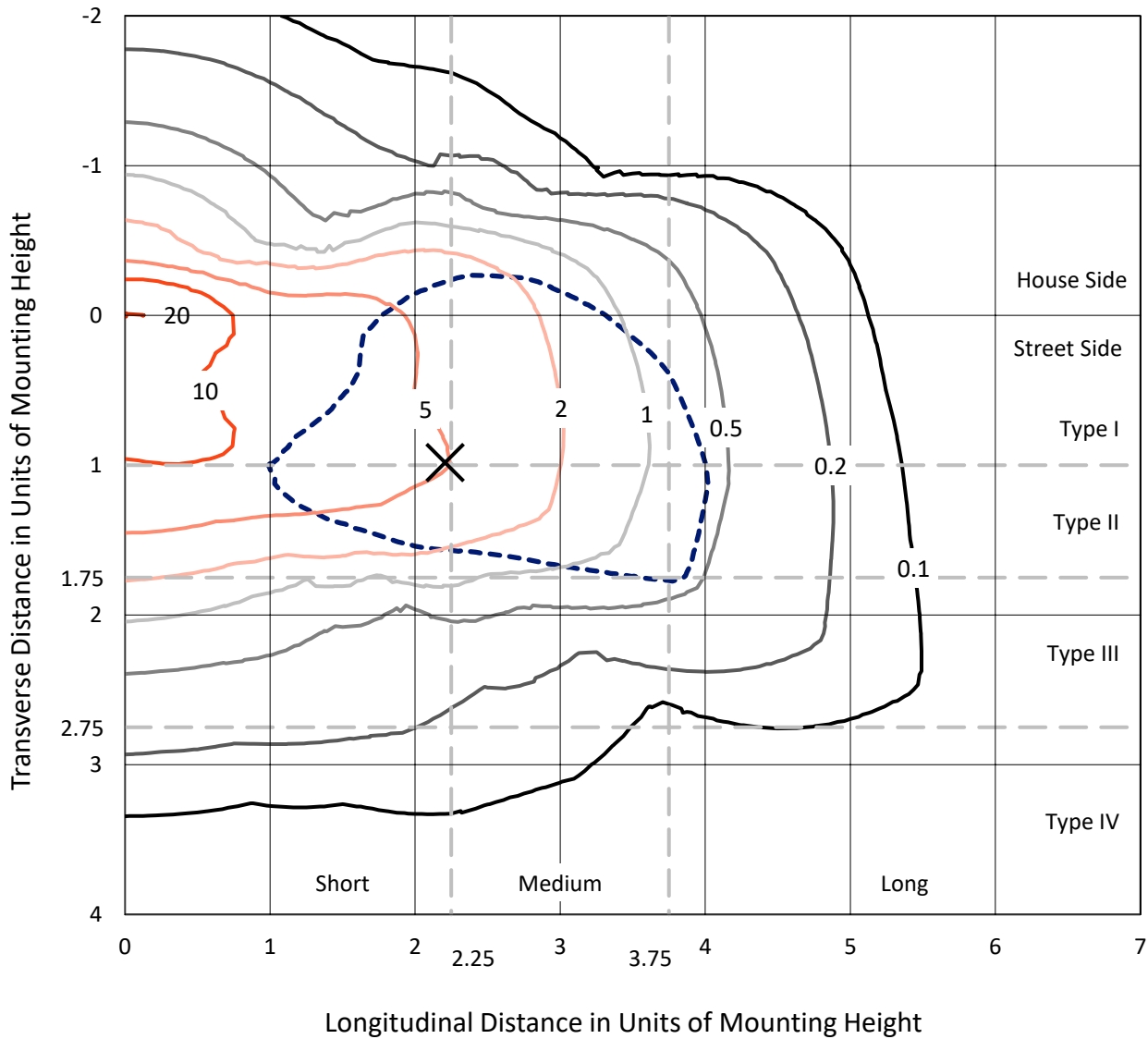


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Iso-Footcandle Lines of Horizontal Illumination

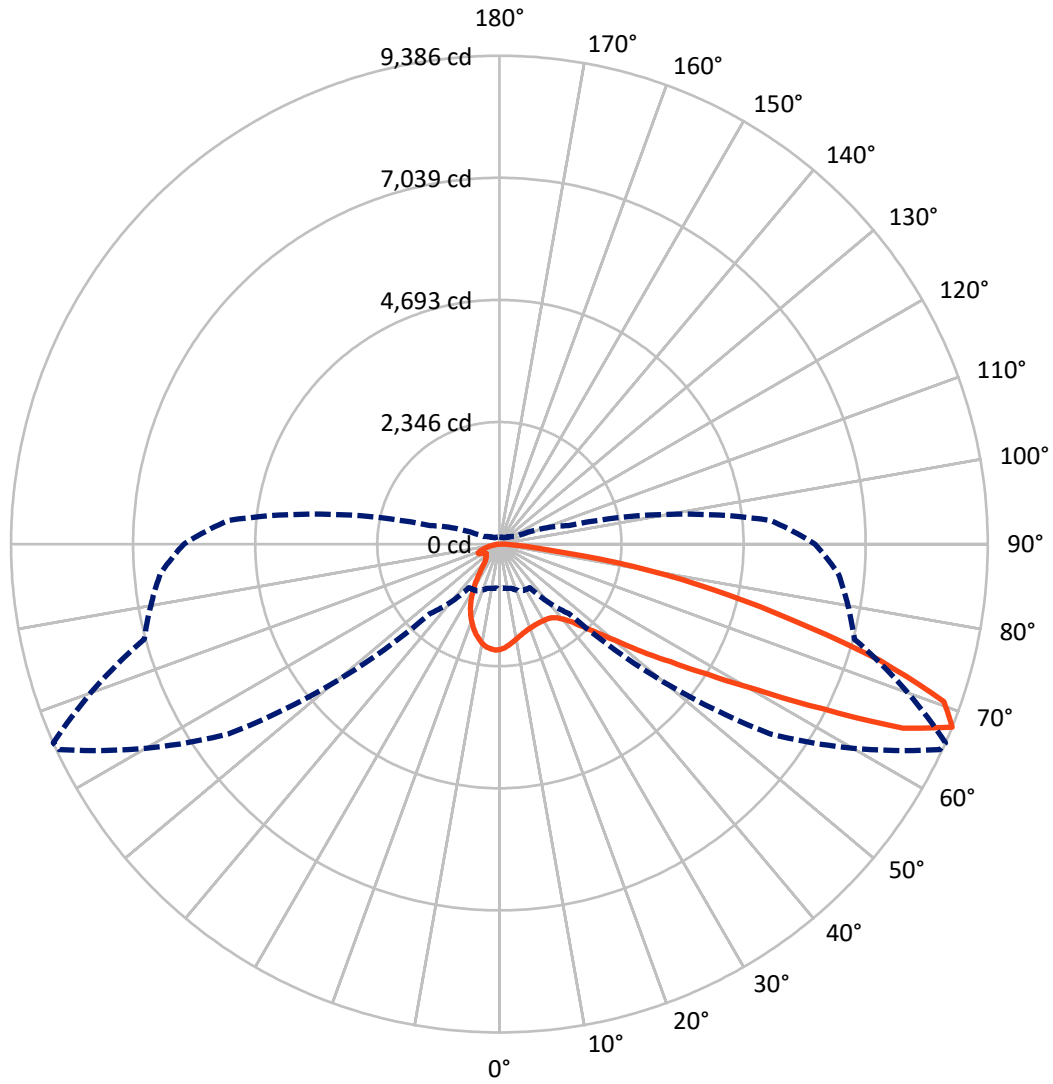
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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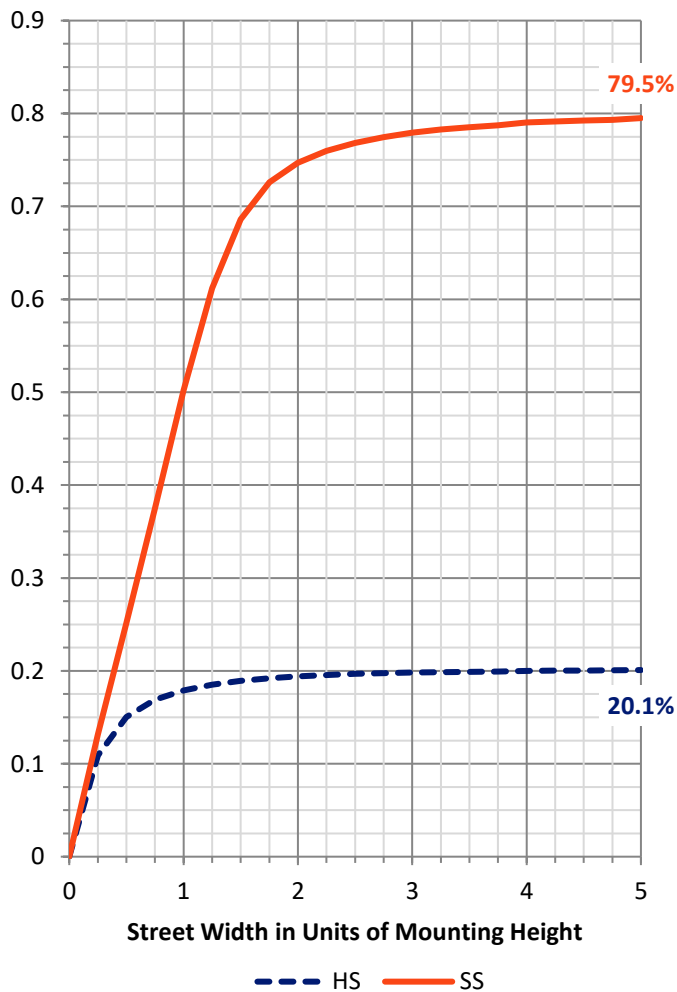
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1862.0	0.0	1862.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	7314.0	0.0	7314.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	9176.0	0.0	9176.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	1.9
10°-20°	437.3	4.8
20°-30°	601.1	6.6
30°-40°	821.8	9.0
40°-50°	1245.3	13.6
50°-60°	1935.9	21.1
60°-70°	2356.9	25.7
70°-80°	1435.7	15.6
80°-90°	164.0	1.8
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°	9176.0	100.0
0°-180°	9176.0	100.0

Coefficient of Utilization



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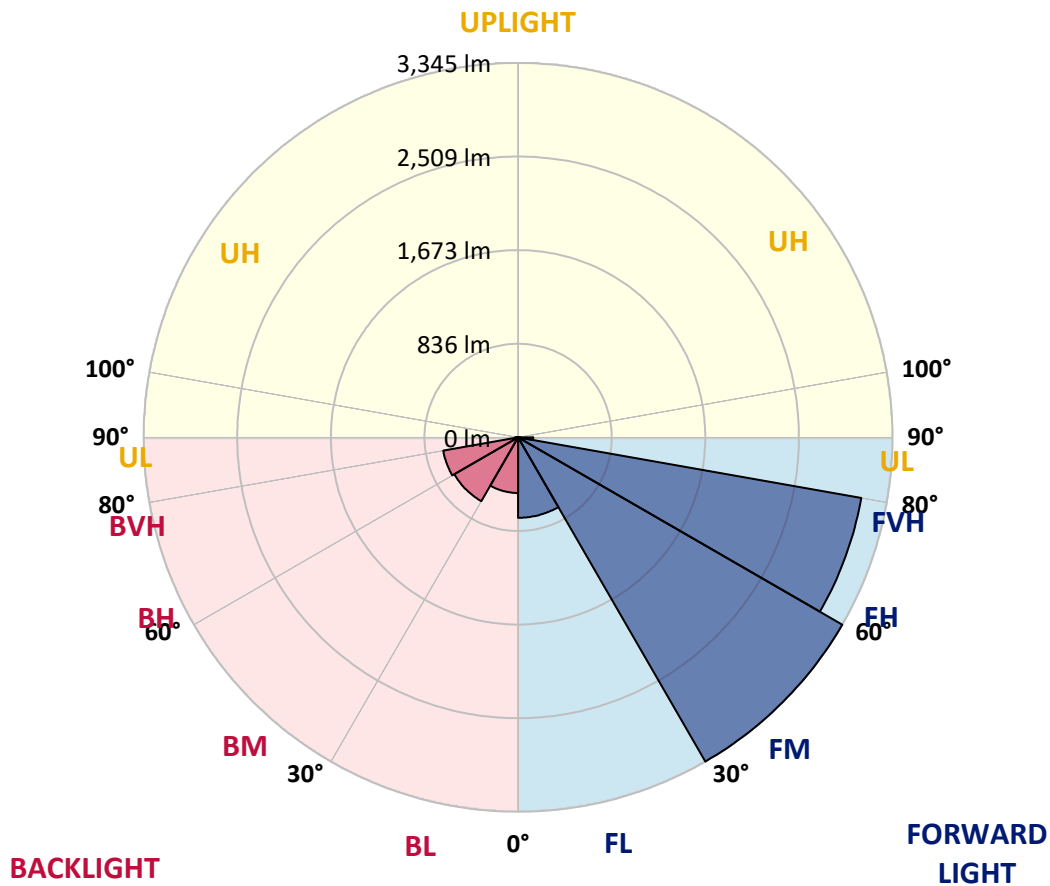
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.0	7.8			
FM (30°-60°)	3345.0	36.5			
FH (60°-80°)	3113.7	33.9			G2/5000
FVH (80°-90°)	136.3	1.5			G2/225
BL (0°-30°)	497.4	5.4	B1/500		
BM (30°-60°)	658.0	7.2	B1/1000		
BH (60°-80°)	678.9	7.4	B2/1000		G2/1000
BVH (80°-90°)	27.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6
2.5°	1899.1	1905.8	1901.8	1927.2	1928.6	1960.7	1978.8	1994.2	1995.5	2015.6	2029.0
5°	1769.2	1773.3	1773.3	1797.4	1813.4	1856.3	1897.8	1942.0	1945.3	1993.5	2030.3
7.5°	1664.1	1668.2	1665.5	1697.6	1718.4	1765.9	1818.8	1886.4	1893.1	1970.7	2035.0
10°	1581.8	1580.5	1587.2	1616.6	1643.4	1700.3	1759.2	1836.2	1846.2	1944.6	2040.4
12.5°	1525.6	1526.9	1530.9	1561.7	1590.5	1646.7	1707.7	1791.3	1802.0	1914.5	2037.7
15°	1498.8	1496.1	1499.5	1527.6	1555.0	1604.6	1667.5	1753.8	1764.6	1887.7	2038.3
17.5°	1492.8	1490.8	1490.1	1510.2	1530.9	1577.1	1637.4	1725.1	1736.4	1870.3	2042.4
20°	1511.5	1508.8	1501.5	1510.2	1518.9	1557.7	1615.9	1704.3	1717.0	1858.9	2050.4
22.5°	1563.1	1558.4	1547.0	1536.3	1524.9	1548.3	1602.6	1688.9	1701.6	1851.6	2058.4
25°	1641.4	1637.4	1625.3	1601.2	1559.7	1555.7	1599.9	1682.2	1694.9	1846.2	2061.8
27.5°	1749.2	1743.1	1731.1	1696.3	1628.7	1583.1	1609.9	1681.6	1693.6	1840.2	2058.4
30°	1877.0	1873.0	1866.3	1824.1	1733.8	1641.4	1632.7	1686.9	1696.3	1836.9	2051.7
32.5°	2006.9	2002.9	2008.2	1988.1	1877.0	1737.8	1682.2	1701.6	1708.3	1836.2	2045.7
35°	2121.4	2126.0	2164.9	2168.2	2059.1	1868.3	1760.5	1735.8	1737.1	1849.6	2048.4
37.5°	2241.2	2259.3	2310.1	2353.6	2262.6	2041.0	1877.0	1800.0	1798.7	1883.7	2065.1
40°	2399.8	2407.9	2472.8	2554.5	2497.6	2278.0	2042.4	1905.1	1895.8	1953.3	2110.0
42.5°	2554.5	2573.9	2677.6	2771.3	2752.6	2545.1	2250.5	2062.4	2045.7	2076.5	2202.4
45°	2751.3	2770.0	2886.5	3007.0	3041.1	2847.0	2517.0	2286.0	2269.3	2261.9	2371.7
47.5°	2948.1	2967.5	3071.9	3246.0	3365.8	3224.5	2863.7	2581.2	2553.8	2525.0	2627.4
50°	3080.6	3103.4	3203.1	3412.0	3693.1	3695.8	3274.7	2968.2	2933.3	2887.8	2987.6
52.5°	3075.9	3090.7	3185.7	3426.7	3928.8	4237.3	3825.0	3460.8	3432.7	3333.6	3420.7
55°	2834.3	2856.4	2952.1	3253.3	3954.2	4750.8	4633.6	4041.9	3991.7	3814.3	3910.0
57.5°	2349.0	2367.7	2464.1	2835.6	3728.6	5013.9	5660.5	4782.2	4713.3	4337.8	4448.2
60°	1773.3	1750.5	1796.0	2121.4	3189.1	5020.6	6566.9	5786.4	5671.2	4897.4	4989.8
62.5°	1330.8	1308.0	1318.1	1409.8	2162.2	4614.9	7083.7	7160.0	6969.9	5529.3	5511.2
65°	1051.6	1038.9	1067.7	1130.6	1260.5	3514.4	7087.7	8645.4	8525.6	6261.6	6046.1
67.5°	856.8	848.8	878.3	994.7	1022.2	1888.4	6355.4	9338.9	9385.8	7063.6	6542.1
70°	690.2	678.1	724.3	877.6	950.6	1142.7	4552.6	8985.5	9061.1	7541.5	6402.2
72.5°	476.6	477.3	500.7	710.9	917.8	986.7	2575.2	7482.0	7646.0	7108.4	5628.4
75°	321.3	324.0	330.7	469.3	845.5	957.3	1372.3	5664.5	5780.3	5875.4	4652.4
77.5°	194.1	195.5	210.9	283.8	583.1	893.7	929.8	4106.1	4197.2	3873.2	2883.8
80°	112.5	117.1	131.2	190.1	393.6	671.4	719.6	2517.6	2620.7	1721.7	916.4
82.5°	49.5	52.9	71.6	110.5	229.6	571.0	561.6	994.7	980.0	480.0	318.0
85°	8.7	10.7	15.4	34.8	84.3	301.2	435.8	439.1	413.0	182.1	131.9
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	65.6	117.8	117.1	51.5	45.5
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°	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6
2.5°	2037.7	2019.6	2035.7	2037.7	2034.3	2031.7	2011.6	1994.2	1992.2	1973.4	1973.4
5°	2045.0	2028.3	2036.3	2020.9	1996.8	1972.1	1929.2	1899.8	1886.4	1862.3	1862.3
7.5°	2055.1	2037.7	2028.3	1990.1	1933.9	1879.7	1810.7	1753.2	1729.7	1695.6	1694.3
10°	2064.5	2042.4	2010.2	1935.9	1846.2	1759.9	1659.5	1577.8	1522.2	1481.4	1481.4
12.5°	2063.8	2035.0	1971.4	1861.6	1737.8	1612.6	1478.7	1355.6	1281.9	1218.3	1214.3
15°	2062.4	2022.9	1921.9	1775.3	1611.3	1437.9	1255.8	1095.2	986.0	923.8	918.4
17.5°	2061.1	2007.6	1866.3	1676.9	1457.3	1221.0	980.7	806.6	715.6	677.4	678.8
20°	2061.1	1990.1	1806.7	1563.7	1279.9	961.3	719.6	593.1	570.3	572.3	574.4
22.5°	2055.1	1968.7	1740.5	1440.6	1082.4	706.9	530.8	488.0	500.0	518.8	521.5
25°	2041.0	1933.2	1663.5	1304.0	847.5	514.8	433.1	425.1	447.2	470.6	477.3
27.5°	2018.9	1892.4	1577.1	1144.0	623.9	413.7	380.9	380.2	397.6	415.0	421.1
30°	1995.5	1846.9	1486.1	966.0	451.9	360.1	347.4	347.4	356.1	366.8	365.5
32.5°	1968.1	1800.7	1388.4	780.5	368.2	330.0	326.0	324.0	325.3	329.3	329.3
35°	1944.6	1759.9	1287.9	584.4	330.0	313.3	309.3	304.6	302.6	299.9	301.2
37.5°	1935.9	1727.7	1184.2	440.5	311.3	301.2	294.5	287.8	283.2	281.8	281.2
40°	1950.0	1714.4	1080.4	362.8	297.9	288.5	281.2	272.4	268.4	268.4	268.4
42.5°	2004.9	1724.4	974.7	328.0	288.5	277.8	267.1	259.1	257.7	259.1	259.7
45°	2105.3	1763.2	864.9	310.6	280.5	267.1	254.4	248.4	248.4	249.7	249.7
47.5°	2284.7	1865.0	756.4	299.9	272.4	258.4	245.0	239.0	238.3	239.6	239.6
50°	2595.3	2048.4	658.7	292.5	266.4	251.7	238.3	230.3	228.3	227.6	227.6
52.5°	2986.9	2366.4	596.4	287.2	259.1	244.3	230.9	220.2	216.2	214.2	214.2
55°	3460.2	2790.1	596.4	283.2	249.7	235.6	220.2	209.5	203.5	200.8	200.8
57.5°	3996.4	3283.4	699.5	279.8	242.3	225.6	208.9	198.1	191.5	187.4	187.4
60°	4541.9	3804.9	954.6	275.1	235.6	212.9	196.1	186.1	177.4	172.7	172.0
62.5°	5107.6	4379.3	1290.6	277.8	230.9	200.8	182.7	171.4	164.0	159.3	158.6
65°	5625.7	4926.2	1584.5	298.6	231.6	190.1	167.4	157.3	151.3	145.3	144.6
67.5°	6065.5	5228.1	1378.3	340.7	245.7	177.4	152.0	141.9	136.6	132.5	131.9
70°	5757.6	4767.5	781.9	366.8	265.1	164.0	134.6	127.9	122.5	119.8	119.2
72.5°	4923.5	4036.5	522.8	324.0	241.7	146.6	118.5	113.1	109.1	105.8	105.1
75°	3988.3	3201.1	399.6	265.8	188.1	119.2	101.7	97.7	93.7	90.4	89.7
77.5°	2359.7	1849.6	294.5	210.2	132.5	93.0	84.3	81.0	77.0	74.3	73.6
80°	753.1	642.6	186.8	144.6	87.7	71.6	64.9	62.3	58.2	54.9	54.2
82.5°	287.2	248.4	99.1	73.6	58.2	48.9	43.5	40.8	38.2	34.8	34.1
85°	127.2	119.2	54.9	39.5	31.5	24.1	21.4	20.1	16.7	14.1	13.4
87.5°	44.9	44.9	23.4	11.4	6.7	3.3	2.0	0.7	0.0	0.0	0.0
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)