

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: P634573

Luminaire Tested: GWS-SA3C-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9868.2 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

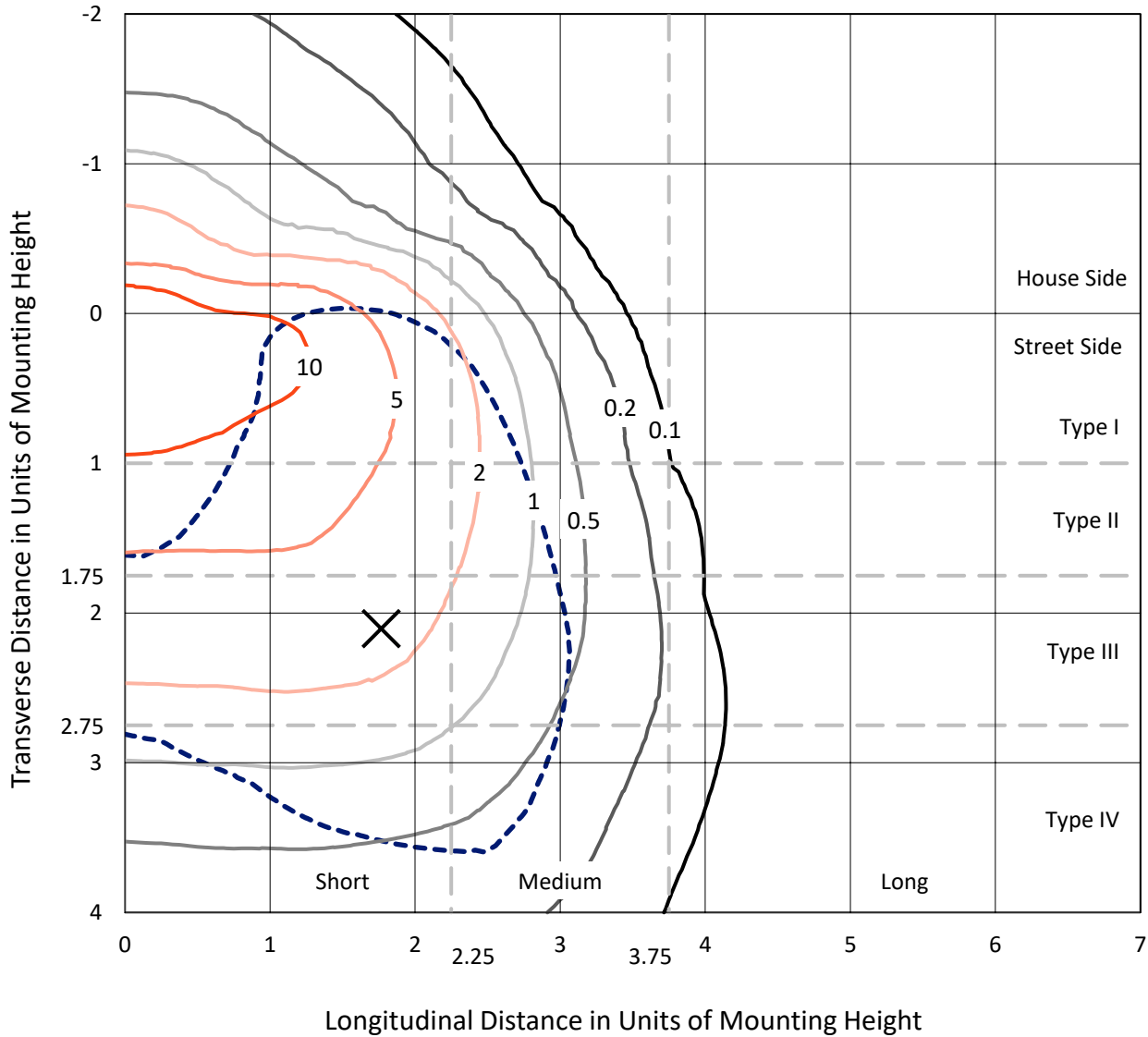
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

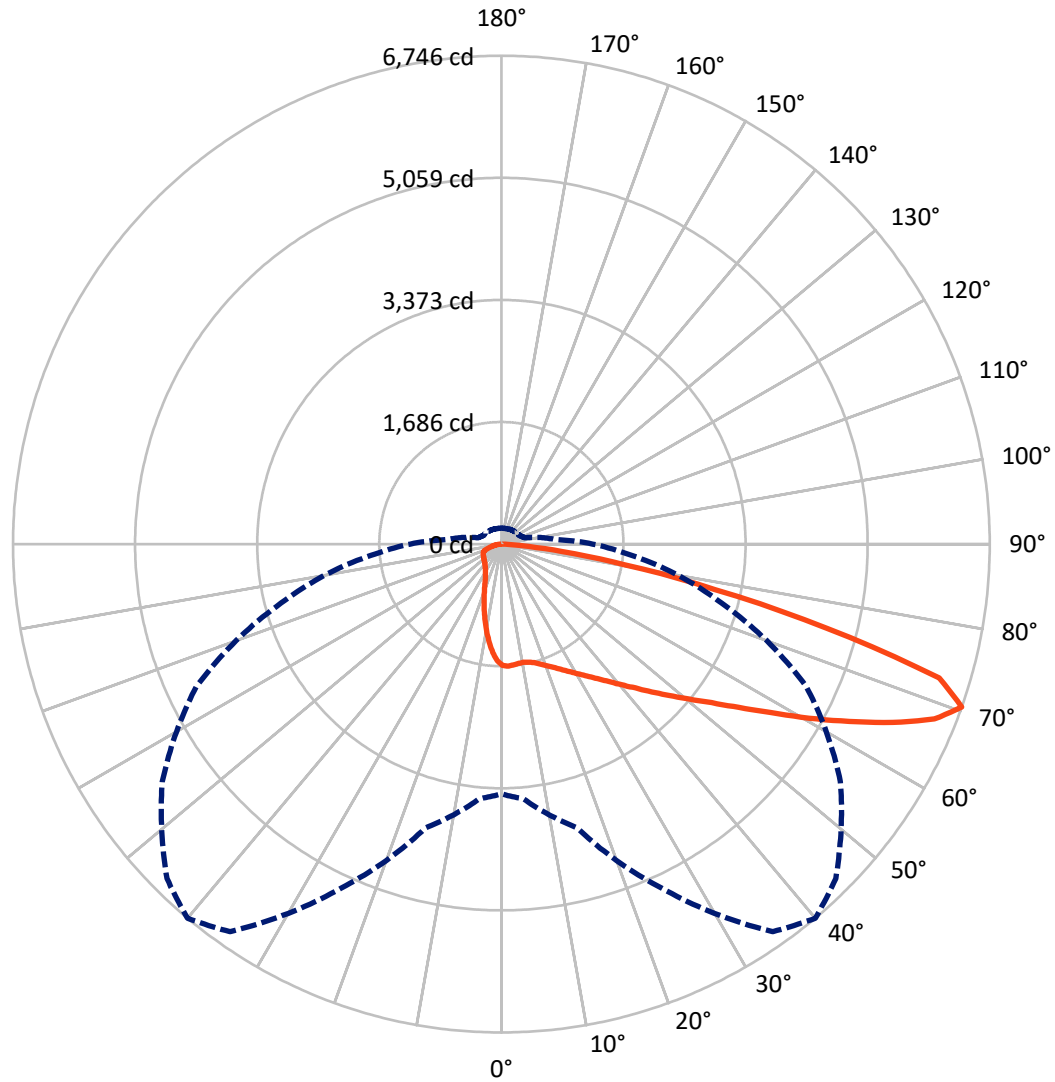
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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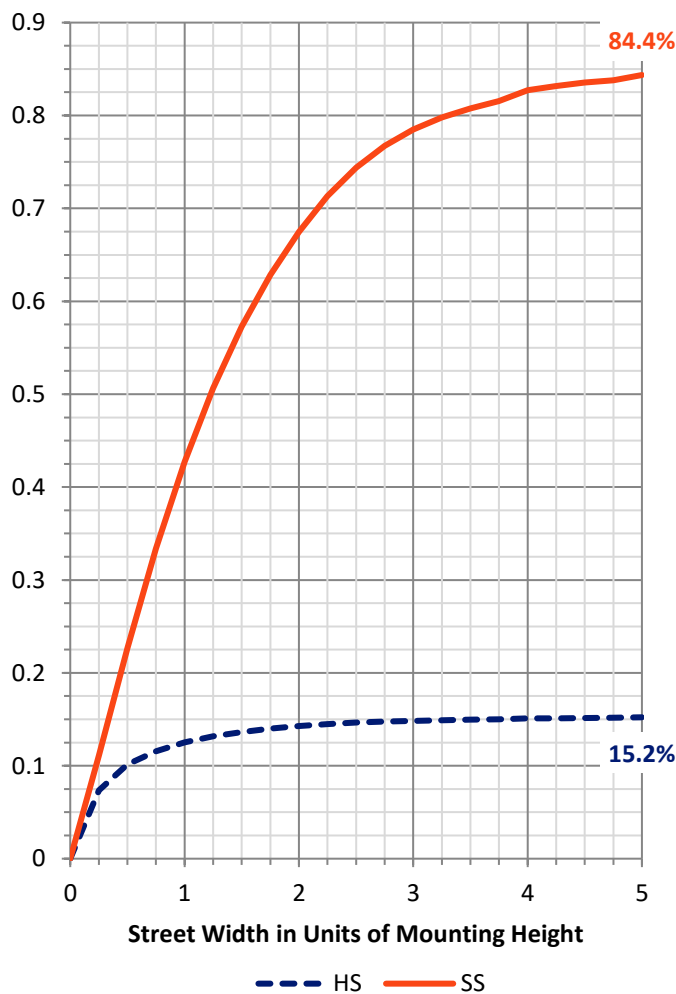
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1520.0	0.0	1520.0
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	8348.2	0.0	8348.2
	% Fixture	84.6	0.0	84.6
Total	Lumens	9868.2	0.0	9868.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	1.5
10°-20°	385.9	3.9
20°-30°	605.9	6.1
30°-40°	911.0	9.2
40°-50°	1406.1	14.2
50°-60°	2088.2	21.2
60°-70°	2632.1	26.7
70°-80°	1522.1	15.4
80°-90°	168.9	1.7
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°	9868.2	100.0
0°-180°	9868.2	100.0

Coefficient of Utilization



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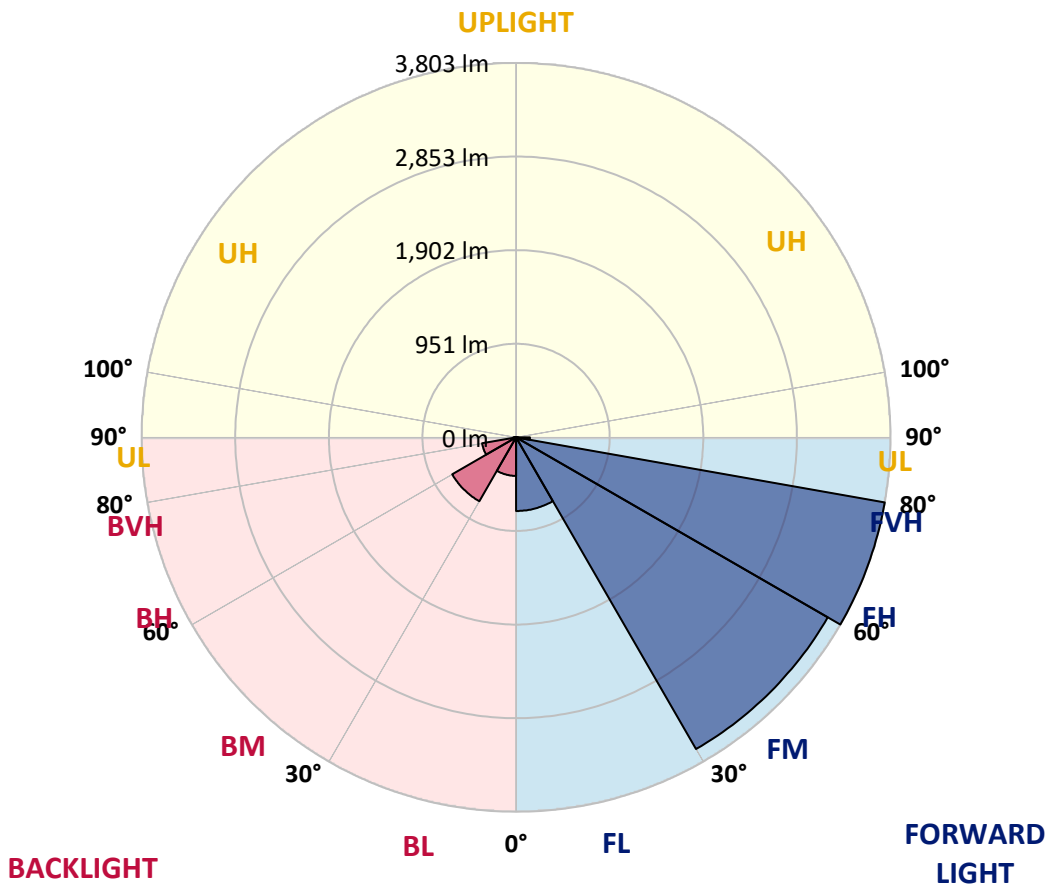
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.1	7.6			
FM (30°-60°)	3656.0	37.0			
FH (60°-80°)	3803.4	38.5			G2/5000
FVH (80°-90°)	140.7	1.4			G2/225
BL (0°-30°)	391.7	4.0	B1/500		
BM (30°-60°)	749.2	7.6	B1/1000		
BH (60°-80°)	350.8	3.6	B1/500		G1/500
BVH (80°-90°)	28.2	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7
2.5°	1686.0	1689.0	1691.2	1694.1	1692.7	1688.3	1691.9	1691.9	1683.8	1675.0	1666.9
5°	1688.3	1691.9	1691.2	1690.5	1684.6	1677.2	1677.2	1672.8	1658.8	1644.8	1631.5
7.5°	1683.8	1683.1	1682.4	1680.2	1673.5	1665.4	1663.9	1655.1	1636.7	1617.5	1598.4
10°	1663.9	1663.2	1665.4	1670.6	1669.1	1661.7	1661.7	1653.6	1632.3	1608.7	1583.7
12.5°	1647.7	1647.7	1656.6	1670.6	1675.7	1672.8	1673.5	1667.6	1643.3	1615.3	1585.9
15°	1650.0	1650.7	1669.8	1692.7	1702.3	1700.0	1700.8	1694.1	1666.9	1638.9	1599.1
17.5°	1664.7	1668.4	1701.5	1733.2	1745.7	1742.8	1737.6	1726.6	1695.6	1663.9	1615.3
20°	1695.6	1701.5	1744.2	1784.0	1798.7	1792.1	1783.3	1761.2	1727.3	1692.7	1633.0
22.5°	1756.8	1760.4	1807.6	1846.6	1858.4	1850.3	1832.6	1801.0	1761.9	1725.8	1654.4
25°	1842.9	1847.4	1892.3	1928.4	1925.4	1915.9	1891.6	1852.5	1806.1	1767.8	1685.3
27.5°	1945.3	1952.7	1996.9	2025.6	2006.5	1992.5	1965.2	1918.1	1865.8	1831.2	1732.5
30°	2057.3	2060.2	2097.8	2126.5	2097.1	2077.9	2044.8	1993.9	1946.8	1921.0	1803.2
32.5°	2165.6	2168.5	2200.9	2217.1	2186.2	2172.2	2143.5	2089.7	2056.5	2042.6	1908.5
35°	2279.7	2279.0	2305.5	2319.5	2287.8	2281.9	2252.5	2211.2	2205.3	2223.8	2062.4
37.5°	2393.9	2387.3	2401.3	2419.7	2402.0	2407.9	2388.7	2374.8	2397.6	2445.5	2267.2
40°	2485.2	2485.2	2500.0	2522.8	2528.7	2554.5	2543.4	2561.8	2635.5	2749.7	2520.6
42.5°	2566.3	2567.0	2597.9	2633.3	2676.0	2715.8	2724.6	2772.5	2925.0	3104.0	2838.8
45°	2651.0	2651.7	2693.7	2745.3	2835.9	2911.7	2929.4	3036.9	3255.0	3473.0	3184.3
47.5°	2748.9	2740.8	2799.0	2885.2	3014.1	3123.1	3168.8	3321.3	3596.8	3864.9	3509.8
50°	2859.4	2842.5	2907.3	3056.1	3215.2	3364.7	3441.3	3615.9	3963.6	4226.5	3816.3
52.5°	2983.9	2974.3	3042.1	3223.3	3466.4	3638.7	3742.6	3971.7	4320.1	4586.7	4059.3
55°	3138.6	3115.8	3213.7	3444.3	3761.0	3980.5	4103.5	4323.8	4709.7	4913.8	4244.9
57.5°	3308.0	3283.0	3414.1	3720.5	4144.0	4384.9	4538.8	4720.0	5076.6	5164.2	4354.0
60°	3490.7	3482.6	3638.0	4044.6	4600.7	4880.6	4991.8	5156.1	5395.5	5309.3	4326.7
62.5°	3657.9	3654.9	3881.1	4395.9	5084.7	5392.5	5480.9	5524.4	5625.3	5299.7	4110.2
65°	3833.9	3859.0	4164.7	4803.3	5639.3	5941.3	5978.1	5867.6	5702.7	5048.6	3666.7
67.5°	3856.0	3904.6	4342.9	5184.8	6165.2	6450.3	6420.8	5998.0	5474.3	4349.5	2874.2
70°	3448.7	3533.4	4058.6	5243.0	6535.7	6745.7	6532.8	5717.4	4645.6	3151.1	1807.6
72.5°	2881.5	2954.4	3418.5	4471.1	6057.7	6325.1	6037.1	4839.4	3283.0	1807.6	920.7
75°	2242.9	2327.6	2755.6	3554.0	4535.2	4642.0	4497.6	3375.0	1804.6	745.4	418.4
77.5°	1368.6	1429.7	1762.7	2407.9	3173.2	3013.4	2553.7	1892.3	791.8	357.2	258.5
80°	605.5	643.0	868.4	1293.4	1833.4	1733.2	1366.4	808.0	433.1	226.9	180.5
82.5°	324.8	349.1	428.0	511.9	805.1	841.9	682.8	465.5	232.8	129.6	103.1
85°	142.9	156.9	194.5	185.6	264.4	260.0	262.2	319.7	111.2	59.7	67.0
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	8.1	42.7	11.0	17.7	15.5
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°	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7
2.5°	1658.1	1644.8	1641.1	1636.7	1628.6	1614.6	1604.3	1592.5	1587.3	1581.5	1582.2
5°	1616.8	1600.6	1585.1	1565.2	1540.2	1512.2	1493.1	1471.0	1459.2	1448.1	1451.1
7.5°	1581.5	1556.4	1524.7	1482.7	1437.8	1387.7	1347.2	1315.5	1294.2	1279.5	1286.8
10°	1559.4	1529.9	1474.6	1406.1	1330.3	1253.7	1195.5	1141.0	1107.1	1080.6	1079.1
12.5°	1554.9	1516.6	1436.3	1336.9	1227.2	1124.8	1039.3	965.7	920.7	887.6	900.1
15°	1559.4	1510.7	1403.2	1272.8	1134.3	995.9	889.8	805.1	751.3	721.1	718.9
17.5°	1564.5	1504.8	1365.6	1203.6	1037.1	878.7	755.7	665.9	610.6	580.4	581.2
20°	1568.9	1496.0	1321.4	1127.7	938.4	769.7	642.3	556.9	507.5	485.4	489.1
22.5°	1576.3	1487.2	1274.3	1046.7	837.5	664.4	552.4	483.2	453.7	439.0	439.7
25°	1590.3	1482.0	1225.7	958.3	738.1	580.4	490.6	444.2	425.7	416.9	416.2
27.5°	1619.0	1486.4	1174.9	872.9	648.2	516.3	450.8	420.6	408.1	402.2	401.4
30°	1666.9	1504.1	1130.7	785.9	570.9	466.3	423.5	405.1	397.8	392.6	391.9
32.5°	1739.8	1537.3	1082.8	704.9	508.2	429.4	402.2	392.6	387.4	384.5	384.5
35°	1850.3	1597.7	1035.6	634.2	459.6	400.7	385.2	381.6	377.1	375.7	377.1
37.5°	2009.4	1694.1	992.9	572.3	425.0	378.6	366.8	368.3	364.6	366.8	369.0
40°	2211.2	1823.1	956.8	521.5	399.2	362.4	350.6	355.8	353.6	355.8	359.5
42.5°	2466.8	1982.9	929.6	481.7	380.8	349.1	338.1	343.2	341.8	344.7	348.4
45°	2751.9	2193.6	917.0	453.7	367.6	339.6	327.8	331.5	330.0	332.2	335.9
47.5°	3025.2	2385.1	928.1	437.5	356.5	331.5	318.9	320.4	319.7	318.9	321.2
50°	3260.9	2537.5	959.8	432.4	349.1	323.4	311.6	312.3	310.1	305.7	307.2
52.5°	3453.1	2659.8	978.9	432.4	345.5	314.5	303.5	304.2	299.8	293.9	294.6
55°	3579.8	2709.2	963.5	431.6	344.0	307.2	295.4	296.1	291.7	284.3	285.1
57.5°	3615.9	2661.3	898.6	423.5	342.5	301.3	287.3	288.7	285.8	277.7	277.7
60°	3515.0	2486.0	780.0	405.1	338.8	297.6	281.4	283.6	282.1	274.0	274.0
62.5°	3250.6	2174.4	638.6	377.1	328.5	293.2	276.2	280.6	284.3	279.9	279.2
65°	2755.6	1742.0	519.3	346.2	315.3	285.8	268.9	279.9	288.0	293.9	293.9
67.5°	2067.6	1247.0	423.5	313.8	295.4	271.1	259.3	269.6	275.5	279.2	281.4
70°	1260.3	733.6	333.7	276.2	266.6	249.0	240.1	229.8	221.7	220.2	221.0
72.5°	616.5	419.9	271.1	235.0	227.6	211.4	191.5	187.1	183.4	181.2	180.5
75°	339.6	292.4	223.9	195.2	181.9	162.0	157.6	150.3	148.8	145.8	146.6
77.5°	240.1	230.6	184.9	158.4	138.5	128.2	130.4	125.2	125.2	123.0	122.3
80°	180.5	181.2	142.2	115.6	102.4	98.7	100.9	100.9	99.4	98.7	98.0
82.5°	114.2	128.9	95.8	74.4	72.9	73.7	72.9	72.2	73.7	71.4	70.7
85°	78.8	92.8	58.2	44.2	44.2	43.5	44.9	44.2	45.7	43.5	43.5
87.5°	17.7	41.2	21.4	13.3	14.0	13.3	14.0	14.7	16.2	16.9	16.9
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)