

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: P635592

Luminaire Tested: GWS-SA3E-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16060.1 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

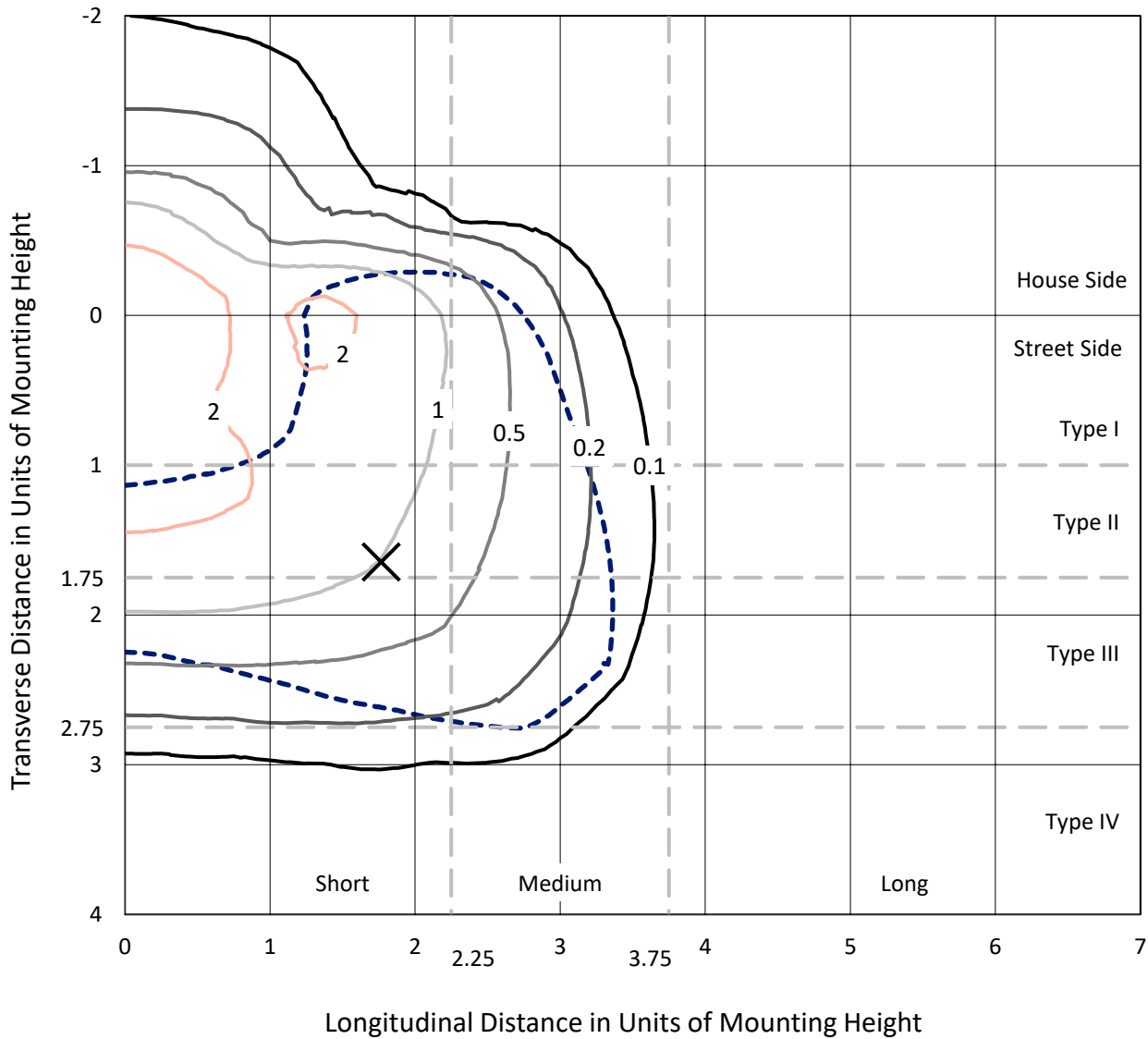
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

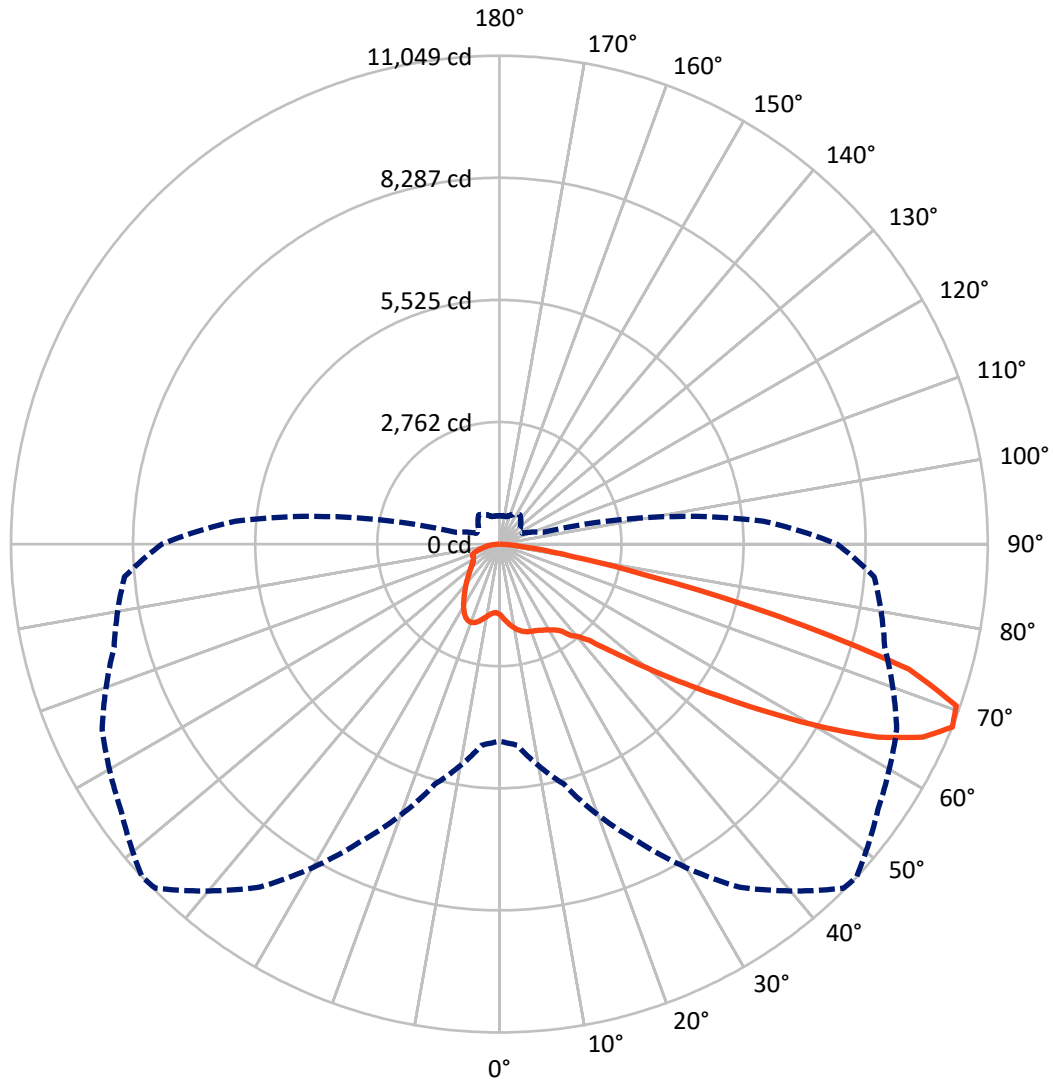
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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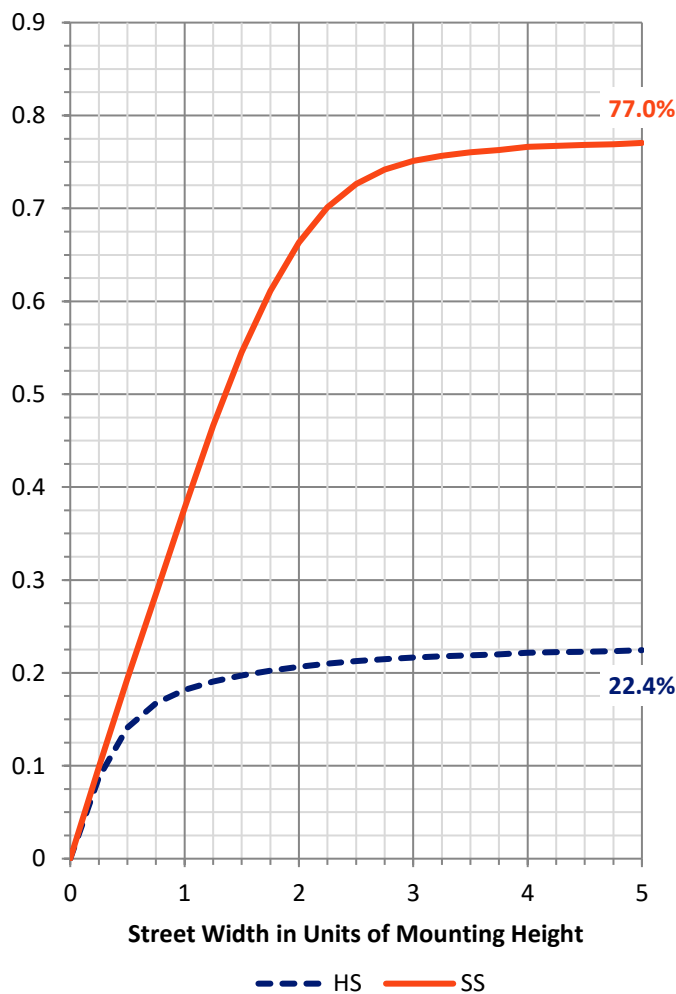
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3660.2	0.0	3660.2
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	12399.9	0.0	12399.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	16060.1	0.0	16060.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.7	1.0
10°-20°	542.1	3.4
20°-30°	921.4	5.7
30°-40°	1349.8	8.4
40°-50°	2056.5	12.8
50°-60°	3679.6	22.9
60°-70°	4910.0	30.6
70°-80°	2220.4	13.8
80°-90°	217.5	1.4
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°	16060.1	100.0
0°-180°	16060.1	100.0

Coefficient of Utilization



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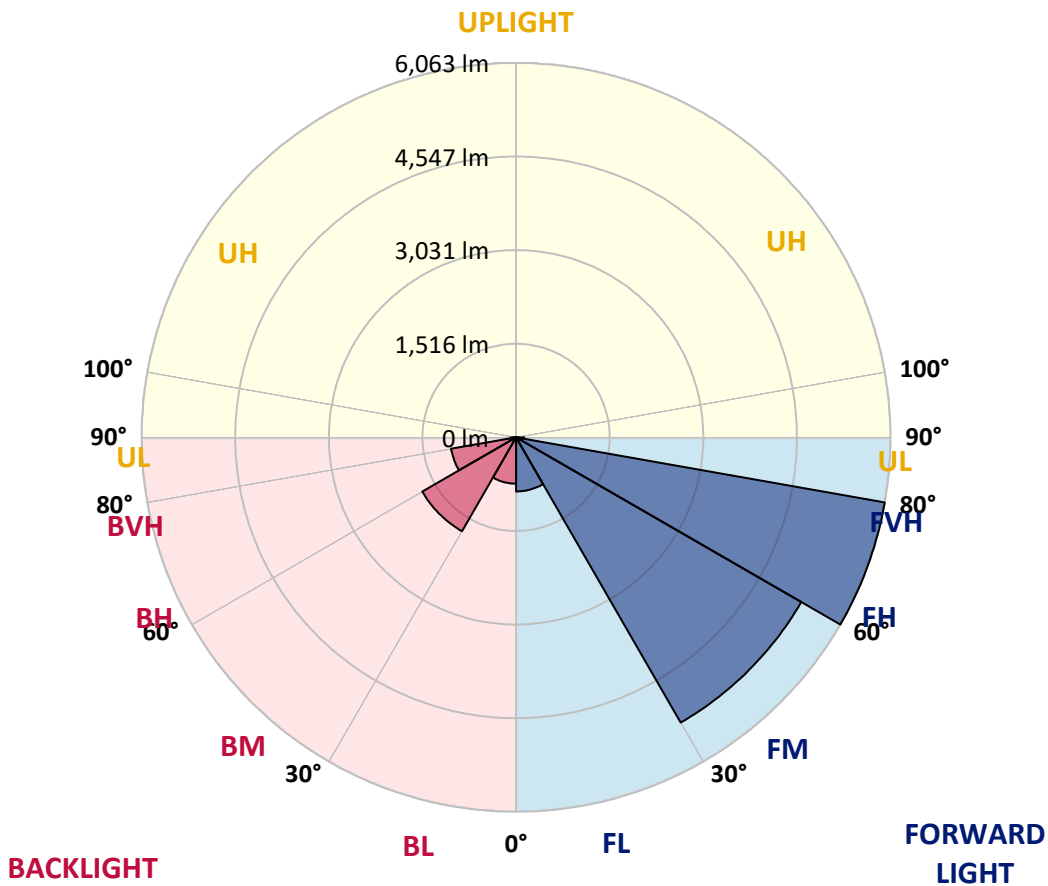
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	875.9	5.5			
FM (30°-60°)	5332.1	33.2			
FH (60°-80°)	6062.5	37.7			G3/7500
FVH (80°-90°)	129.4	0.8			G2/225
BL (0°-30°)	750.4	4.7	B2/1000		
BM (30°-60°)	1753.8	10.9	B2/2500		
BH (60°-80°)	1067.9	6.6	B3/2500		G3/2500
BVH (80°-90°)	88.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1
2.5°	1697.7	1703.5	1702.4	1693.1	1687.3	1676.8	1678.0	1661.7	1637.4	1621.1	1602.5
5°	1847.5	1856.8	1845.2	1830.1	1806.9	1773.2	1769.7	1732.6	1686.1	1653.6	1619.9
7.5°	1977.6	1983.4	1969.5	1943.9	1910.2	1865.0	1856.8	1812.7	1754.6	1703.5	1654.8
10°	2078.6	2085.6	2067.0	2033.3	1989.2	1943.9	1938.1	1892.8	1831.3	1770.9	1709.3
12.5°	2164.6	2166.9	2147.1	2101.8	2054.2	2007.8	2002.0	1960.2	1903.3	1841.7	1774.4
15°	2214.5	2215.7	2191.3	2141.3	2096.0	2055.4	2051.9	2015.9	1963.7	1905.6	1833.6
17.5°	2211.0	2213.3	2195.9	2151.8	2112.3	2087.9	2084.4	2061.2	2020.6	1968.3	1896.3
20°	2168.0	2170.4	2158.8	2129.7	2108.8	2101.8	2103.0	2096.0	2071.7	2028.7	1955.5
22.5°	2134.4	2137.8	2127.4	2106.5	2104.2	2120.4	2123.9	2127.4	2115.8	2077.5	2006.6
25°	2150.6	2156.4	2140.2	2111.1	2115.8	2151.8	2158.8	2170.4	2161.1	2128.6	2067.0
27.5°	2263.3	2266.7	2224.9	2165.7	2151.8	2190.1	2200.6	2219.1	2212.2	2182.0	2134.4
30°	2524.5	2522.2	2432.8	2287.6	2229.6	2244.7	2252.8	2279.5	2281.8	2262.1	2216.8
32.5°	2892.7	2881.0	2742.9	2511.8	2343.4	2306.2	2315.5	2351.5	2378.2	2357.3	2295.8
35°	3281.7	3271.2	3119.1	2848.5	2553.6	2424.7	2414.2	2442.1	2482.7	2424.7	2336.4
37.5°	3652.1	3635.9	3480.2	3145.8	2812.5	2632.5	2617.4	2589.6	2565.2	2453.7	2386.4
40°	4063.2	4044.6	3908.7	3530.2	3098.2	2791.6	2753.3	2643.0	2620.9	2550.1	2516.4
42.5°	4502.1	4502.1	4389.5	4016.7	3443.1	3019.2	2969.3	2803.2	2826.5	2780.0	2740.5
45°	4941.1	4953.9	4864.4	4506.8	3904.1	3448.9	3368.8	3133.0	3188.8	3167.9	3148.1
47.5°	5315.0	5339.4	5322.0	5007.3	4468.5	3971.5	3849.5	3604.5	3724.1	3774.0	3829.8
50°	5718.0	5744.7	5727.3	5603.0	5129.2	4604.3	4495.2	4242.0	4447.6	4597.4	4779.7
52.5°	6316.0	6354.3	6209.2	6161.6	5931.6	5323.1	5225.6	4937.6	5310.4	5558.9	5965.3
55°	6821.1	6820.0	6768.9	6878.0	6793.3	6202.2	6094.2	5832.9	6309.0	6572.6	7167.2
57.5°	7055.7	7083.6	7258.9	7567.8	7737.4	7276.3	7173.0	6905.9	7380.9	7517.9	8160.1
60°	7176.5	7211.3	7550.4	8161.2	8617.6	8449.2	8408.6	8068.3	8335.4	8319.1	8997.3
62.5°	7006.9	7076.6	7621.2	8432.9	9245.8	9627.9	9615.1	9100.7	9147.1	8988.0	9516.4
65°	6228.9	6304.4	7159.1	8297.1	9604.6	10524.3	10527.8	10035.5	9770.7	9313.2	9429.3
67.5°	4454.5	4562.5	5619.3	7423.8	9478.1	11008.6	11049.2	10459.3	9917.0	9025.2	8514.2
70°	2428.2	2507.1	3335.1	5396.3	8337.7	10892.5	10967.9	10254.9	9271.4	7807.0	6554.1
72.5°	1103.2	1128.7	1551.4	2961.2	5695.9	9375.9	9691.7	9151.8	7614.3	5766.7	4167.7
75°	505.1	516.8	675.8	1416.7	2976.3	6274.2	6496.0	6816.5	5298.8	3641.7	2172.7
77.5°	317.0	320.5	384.4	648.0	1484.1	3131.9	3365.3	4058.5	3102.8	1802.2	908.1
80°	187.0	190.4	239.2	350.7	696.7	1433.0	1654.8	1604.8	1458.5	778.0	413.4
82.5°	94.1	97.5	138.2	199.7	379.7	570.2	671.2	674.7	543.5	421.5	233.4
85°	33.7	34.8	45.3	79.0	161.4	188.1	210.2	256.6	265.9	245.0	112.6
87.5°	0.0	0.0	1.2	2.3	4.6	18.6	19.7	37.2	77.8	87.1	45.3
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°	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1	1592.1
2.5°	1596.7	1579.3	1573.5	1567.7	1558.4	1554.9	1547.9	1541.0	1541.0	1534.0	1530.5
5°	1604.8	1581.6	1566.5	1559.5	1553.7	1557.2	1557.2	1559.5	1567.7	1563.0	1565.4
7.5°	1633.9	1607.2	1586.3	1580.5	1580.5	1594.4	1603.7	1615.3	1630.4	1632.7	1632.7
10°	1685.0	1653.6	1631.5	1628.1	1633.9	1653.6	1667.5	1681.5	1700.1	1701.2	1703.5
12.5°	1740.7	1709.3	1687.3	1691.9	1697.7	1723.3	1738.4	1750.0	1768.6	1768.6	1767.4
15°	1798.8	1763.9	1745.3	1754.6	1772.1	1801.1	1803.4	1804.6	1813.9	1811.5	1810.4
17.5°	1859.2	1822.0	1808.1	1822.0	1840.6	1854.5	1842.9	1826.6	1823.2	1818.5	1816.2
20°	1918.4	1880.1	1874.2	1884.7	1890.5	1878.9	1842.9	1812.7	1798.8	1791.8	1789.5
22.5°	1969.5	1937.0	1933.5	1933.5	1904.4	1863.8	1810.4	1769.7	1751.2	1741.9	1739.5
25°	2029.9	1999.7	1993.9	1962.5	1888.2	1813.9	1741.9	1704.7	1689.6	1685.0	1686.1
27.5°	2100.7	2079.8	2061.2	1971.8	1841.7	1725.6	1644.3	1628.1	1622.3	1628.1	1631.5
30°	2187.8	2166.9	2125.1	1960.2	1767.4	1610.6	1532.8	1531.7	1549.1	1564.2	1566.5
32.5°	2258.6	2249.3	2180.8	1923.0	1662.9	1484.1	1417.9	1422.5	1453.9	1474.8	1478.3
35°	2314.4	2329.5	2227.3	1861.5	1538.6	1364.5	1312.2	1314.5	1331.9	1361.0	1362.1
37.5°	2393.3	2444.4	2269.1	1767.4	1395.8	1261.1	1213.5	1196.1	1193.8	1201.9	1204.2
40°	2552.4	2629.1	2299.3	1630.4	1257.6	1168.2	1114.8	1081.1	1052.1	1030.0	1023.1
42.5°	2792.8	2881.0	2316.7	1464.3	1134.5	1076.5	1016.1	973.1	922.0	875.6	859.3
45°	3234.1	3263.1	2316.7	1287.8	1025.4	990.5	930.2	879.1	814.0	759.5	747.8
47.5°	3940.1	3847.2	2319.0	1117.1	929.0	915.1	862.8	804.7	732.7	687.5	680.5
50°	5003.8	4677.5	2366.6	975.4	848.9	851.2	812.9	749.0	684.0	650.3	644.5
52.5°	6209.2	5700.5	2494.3	870.9	781.5	798.9	778.0	716.5	658.4	629.4	623.6
55°	7342.5	6641.1	2603.5	796.6	724.6	754.8	753.6	696.7	644.5	615.5	612.0
57.5°	8306.4	7285.6	2587.2	736.2	675.8	714.2	731.6	684.0	635.2	610.8	607.3
60°	8905.6	7627.0	2356.2	680.5	638.7	685.1	718.8	680.5	639.8	634.0	635.2
62.5°	9165.7	7564.3	1912.6	638.7	614.3	671.2	732.7	704.9	682.8	696.7	704.9
65°	8761.6	7025.5	1407.4	607.3	591.1	674.7	765.3	743.2	682.8	692.1	695.6
67.5°	7639.8	5980.4	1017.2	576.0	562.0	685.1	811.7	737.4	643.3	643.3	636.4
70°	5505.5	4301.2	738.6	544.6	533.0	670.0	814.0	697.9	598.0	594.6	577.1
72.5°	3313.0	2537.3	576.0	509.8	488.9	594.6	762.9	651.5	553.9	524.9	504.0
75°	1721.0	1271.6	483.1	471.5	419.2	504.0	697.9	579.5	473.8	448.2	436.6
77.5°	737.4	594.6	414.6	420.4	348.4	423.9	563.2	501.7	420.4	387.9	377.4
80°	363.5	337.9	327.5	336.8	278.7	327.5	485.4	438.9	356.5	319.3	304.2
82.5°	207.9	197.4	235.7	239.2	198.6	274.1	409.9	371.6	295.0	254.3	229.9
85°	96.4	103.4	142.8	144.0	123.1	188.1	268.2	209.0	156.8	130.1	124.3
87.5°	38.3	45.3	62.7	61.5	36.0	34.8	23.2	12.8	10.5	9.3	8.1
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)