

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: P639552

Luminaire Tested: GWS-SA5C-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639552
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-SA5C-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17389.9 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

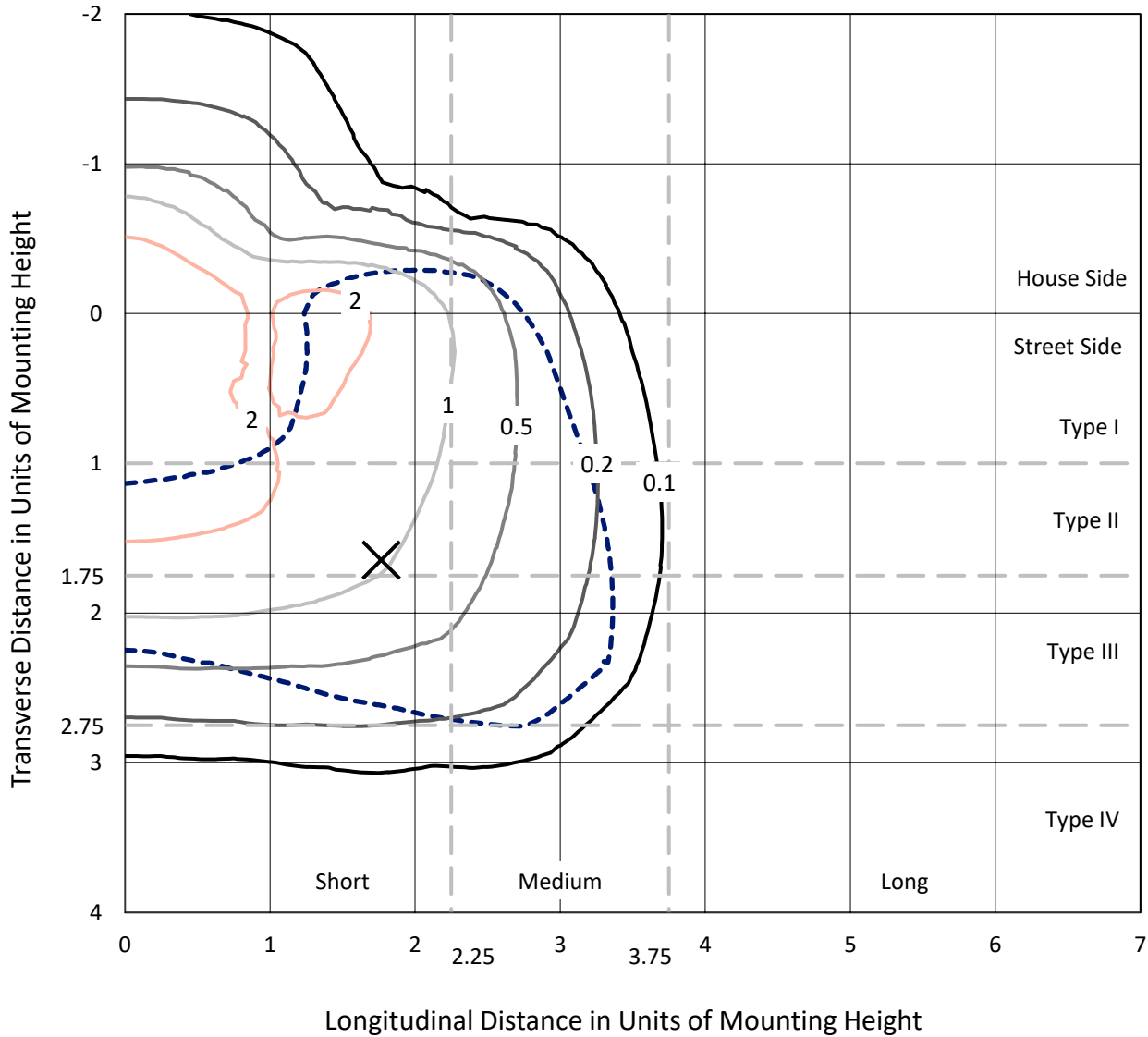
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

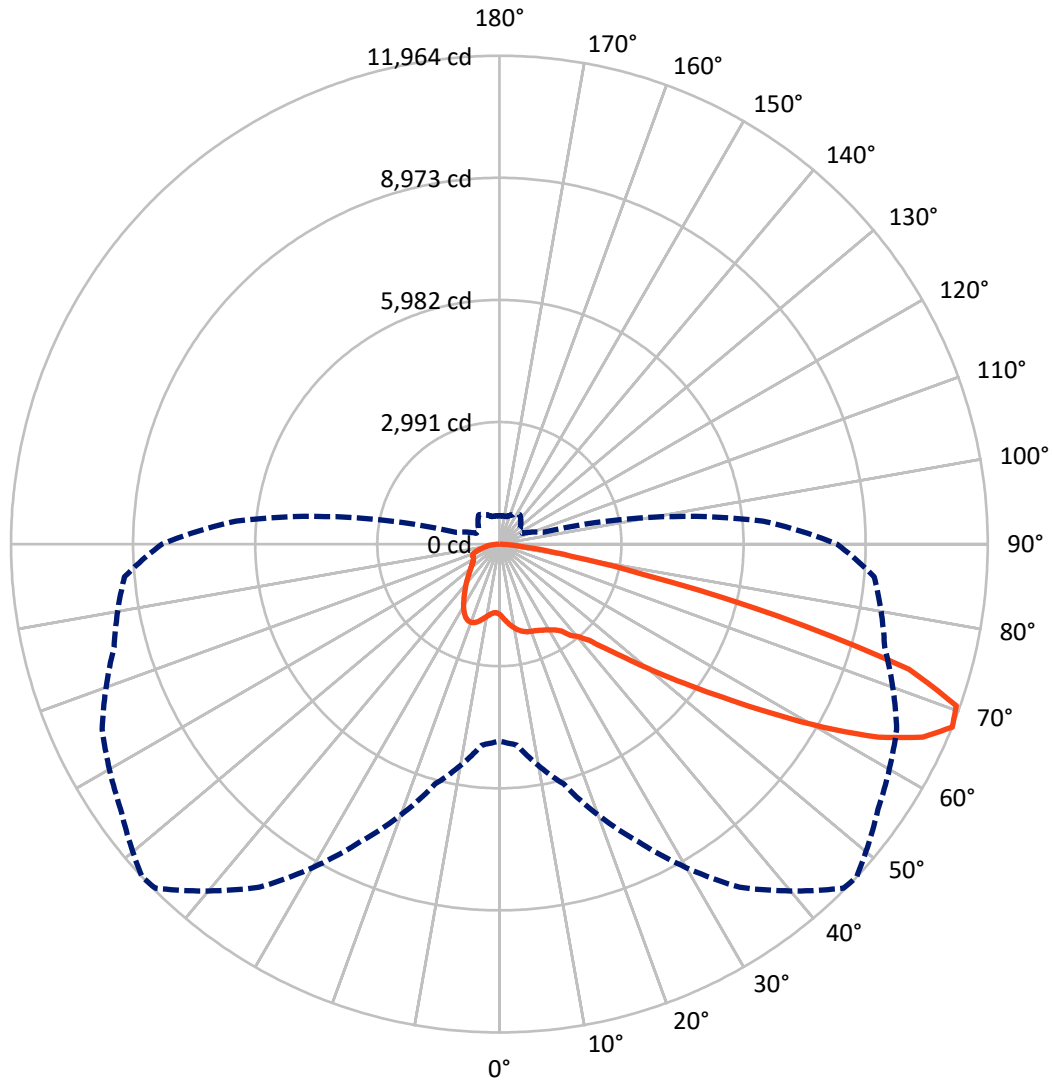
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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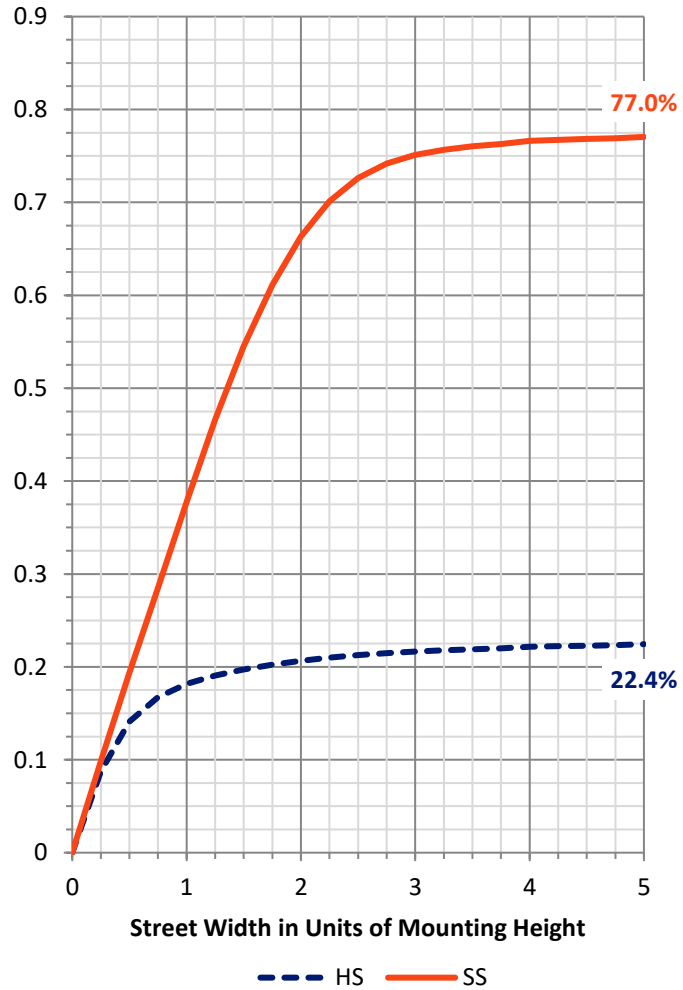
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3963.3	0.0	3963.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	13426.6	0.0	13426.6
	% Fixture	77.2	0.0	77.2
Total	Lumens	17389.9	0.0	17389.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	1.0
10°-20°	587.0	3.4
20°-30°	997.7	5.7
30°-40°	1461.5	8.4
40°-50°	2226.8	12.8
50°-60°	3984.3	22.9
60°-70°	5316.6	30.6
70°-80°	2404.3	13.8
80°-90°	235.6	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°	17389.9	100.0
0°-180°	17389.9	100.0

Coefficient of Utilization



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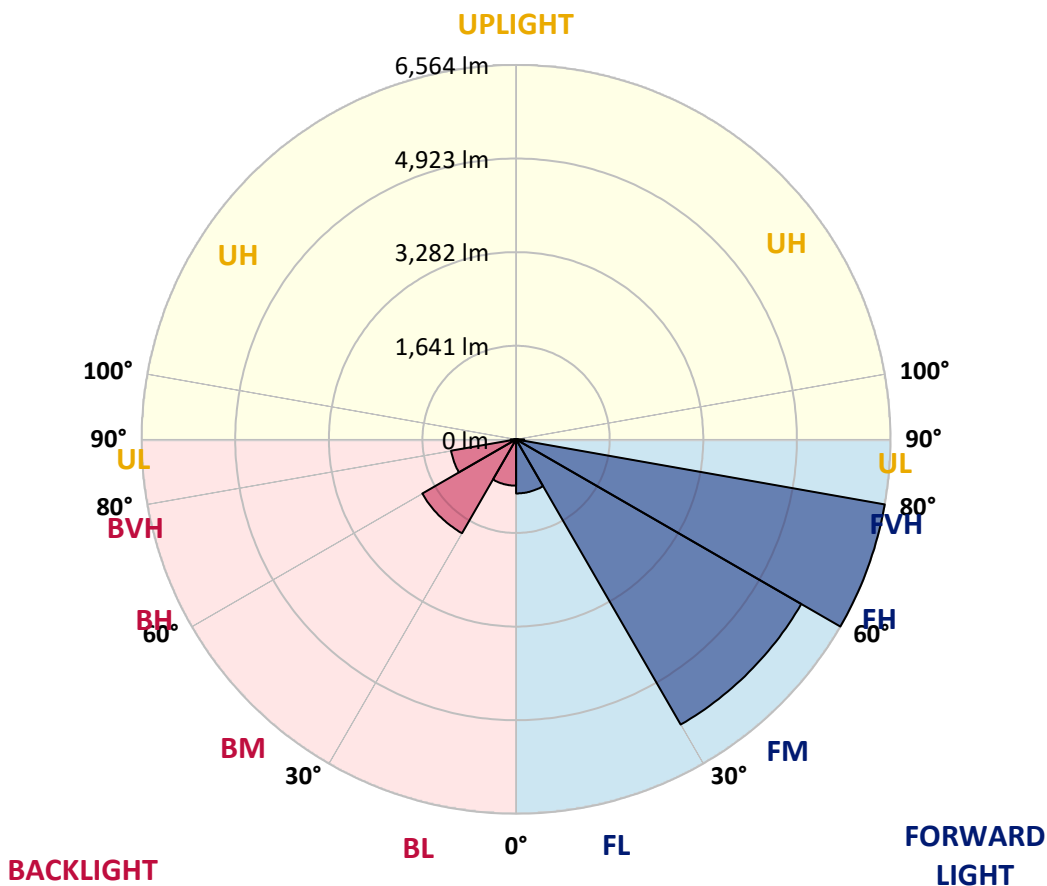
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.4	5.5			
FM (30°-60°)	5773.6	33.2			
FH (60°-80°)	6564.5	37.7			G3/7500
FVH (80°-90°)	140.1	0.8			G2/225
BL (0°-30°)	812.5	4.7	B2/1000		
BM (30°-60°)	1899.0	10.9	B2/2500		
BH (60°-80°)	1156.4	6.6	B3/2500		G3/2500
BVH (80°-90°)	95.4	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°	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9
2.5°	1838.3	1844.6	1843.3	1833.3	1827.0	1815.7	1816.9	1799.3	1772.9	1755.3	1735.2
5°	2000.5	2010.6	1998.0	1981.7	1956.5	1920.0	1916.3	1876.0	1825.7	1790.5	1754.1
7.5°	2141.3	2147.6	2132.5	2104.9	2068.4	2019.4	2010.6	1962.8	1899.9	1844.6	1791.8
10°	2250.7	2258.3	2238.2	2201.7	2153.9	2104.9	2098.6	2049.6	1982.9	1917.5	1850.9
12.5°	2343.8	2346.3	2324.9	2275.9	2224.3	2174.0	2167.8	2122.5	2060.9	1994.2	1921.3
15°	2397.9	2399.1	2372.7	2318.6	2269.6	2225.6	2221.8	2182.8	2126.3	2063.4	1985.4
17.5°	2394.1	2396.6	2377.7	2330.0	2287.2	2260.8	2257.0	2231.9	2187.9	2131.3	2053.3
20°	2347.6	2350.1	2337.5	2306.1	2283.4	2275.9	2277.1	2269.6	2243.2	2196.7	2117.5
22.5°	2311.1	2314.9	2303.5	2280.9	2278.4	2296.0	2299.8	2303.5	2291.0	2249.5	2172.8
25°	2328.7	2335.0	2317.4	2285.9	2291.0	2330.0	2337.5	2350.1	2340.0	2304.8	2238.2
27.5°	2450.7	2454.4	2409.2	2345.0	2330.0	2371.4	2382.8	2402.9	2395.3	2362.6	2311.1
30°	2733.6	2731.1	2634.2	2477.1	2414.2	2430.5	2439.3	2468.3	2470.8	2449.4	2400.4
32.5°	3132.2	3119.6	2970.0	2719.7	2537.4	2497.2	2507.2	2546.2	2575.1	2552.5	2485.9
35°	3553.4	3542.1	3377.4	3084.4	2765.0	2625.4	2614.1	2644.3	2688.3	2625.4	2529.9
37.5°	3954.5	3936.9	3768.4	3406.3	3045.4	2850.5	2834.2	2804.0	2777.6	2656.9	2583.9
40°	4399.6	4379.5	4232.4	3822.5	3354.7	3022.8	2981.3	2861.8	2837.9	2761.2	2724.8
42.5°	4874.9	4874.9	4753.0	4349.3	3728.2	3269.2	3215.2	3035.4	3060.5	3010.2	2967.5
45°	5350.2	5364.0	5267.2	4880.0	4227.4	3734.5	3647.7	3392.5	3452.8	3430.2	3408.8
47.5°	5755.1	5781.5	5762.6	5421.9	4838.5	4300.3	4168.3	3903.0	4032.5	4086.5	4146.9
50°	6191.4	6220.3	6201.5	6066.9	5553.9	4985.6	4867.4	4593.3	4815.8	4978.0	5175.4
52.5°	6839.0	6880.5	6723.3	6671.7	6422.8	5763.9	5658.3	5346.4	5750.1	6019.2	6459.2
55°	7385.9	7384.7	7329.4	7447.6	7355.8	6715.8	6598.8	6315.9	6831.4	7116.9	7760.6
57.5°	7639.9	7670.1	7860.0	8194.4	8378.0	7878.8	7766.9	7477.7	7992.0	8140.4	8835.7
60°	7770.7	7808.4	8175.6	8837.0	9331.1	9148.8	9104.8	8736.4	9025.6	9008.0	9742.3
62.5°	7587.1	7662.6	8252.3	9131.2	10011.4	10425.1	10411.2	9854.2	9904.5	9732.2	10304.4
65°	6744.7	6826.4	7751.8	8984.1	10399.9	11395.8	11399.5	10866.4	10579.7	10084.3	10210.1
67.5°	4823.4	4940.3	6084.5	8038.5	10262.9	11920.1	11964.1	11325.4	10738.2	9772.5	9219.2
70°	2629.2	2714.7	3611.2	5843.1	9028.1	11794.4	11876.1	11104.1	10039.0	8453.5	7096.7
72.5°	1194.5	1222.2	1679.9	3206.4	6167.5	10152.2	10494.2	9909.5	8244.7	6244.2	4512.8
75°	547.0	559.5	731.8	1534.0	3222.7	6793.7	7033.9	7380.9	5737.5	3943.2	2352.6
77.5°	343.3	347.0	416.2	701.6	1607.0	3391.2	3643.9	4394.6	3359.8	1951.5	983.3
80°	202.4	206.2	259.0	379.7	754.4	1551.6	1791.8	1737.7	1579.3	842.5	447.6
82.5°	101.8	105.6	149.6	216.3	411.2	617.4	726.8	730.5	588.5	456.4	252.7
85°	36.5	37.7	49.0	85.5	174.8	203.7	227.6	277.9	287.9	265.3	122.0
87.5°	0.0	0.0	1.3	2.5	5.0	20.1	21.4	40.2	84.2	94.3	49.0
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°	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9	1723.9
2.5°	1728.9	1710.1	1703.8	1697.5	1687.4	1683.7	1676.1	1668.6	1668.6	1661.0	1657.2
5°	1737.7	1712.6	1696.2	1688.7	1682.4	1686.2	1686.2	1688.7	1697.5	1692.5	1695.0
7.5°	1769.2	1740.2	1717.6	1711.3	1711.3	1726.4	1736.5	1749.0	1765.4	1767.9	1767.9
10°	1824.5	1790.5	1766.6	1762.9	1769.2	1790.5	1805.6	1820.7	1840.8	1842.1	1844.6
12.5°	1884.8	1850.9	1827.0	1832.0	1838.3	1866.0	1882.3	1894.9	1915.0	1915.0	1913.8
15°	1947.7	1910.0	1889.9	1899.9	1918.8	1950.2	1952.7	1954.0	1964.1	1961.5	1960.3
17.5°	2013.1	1972.9	1957.8	1972.9	1993.0	2008.1	1995.5	1977.9	1974.1	1969.1	1966.6
20°	2077.2	2035.7	2029.4	2040.8	2047.0	2034.5	1995.5	1962.8	1947.7	1940.2	1937.6
22.5°	2132.5	2097.3	2093.6	2093.6	2062.1	2018.1	1960.3	1916.3	1896.2	1886.1	1883.6
25°	2197.9	2165.2	2158.9	2125.0	2044.5	1964.1	1886.1	1845.9	1829.5	1824.5	1825.7
27.5°	2274.6	2252.0	2231.9	2135.1	1994.2	1868.5	1780.5	1762.9	1756.6	1762.9	1766.6
30°	2368.9	2346.3	2301.0	2122.5	1913.8	1744.0	1659.8	1658.5	1677.4	1693.7	1696.2
32.5°	2445.6	2435.6	2361.4	2082.2	1800.6	1607.0	1535.3	1540.3	1574.3	1596.9	1600.7
35°	2506.0	2522.3	2411.7	2015.6	1666.0	1477.4	1420.9	1423.4	1442.2	1473.7	1474.9
37.5°	2591.5	2646.8	2457.0	1913.8	1511.4	1365.5	1314.0	1295.1	1292.6	1301.4	1303.9
40°	2763.8	2846.7	2489.6	1765.4	1361.8	1264.9	1207.1	1170.6	1139.2	1115.3	1107.8
42.5°	3024.0	3119.6	2508.5	1585.6	1228.5	1165.6	1100.2	1053.7	998.4	948.1	930.5
45°	3501.8	3533.3	2508.5	1394.5	1110.3	1072.6	1007.2	951.8	881.4	822.3	809.8
47.5°	4266.3	4165.8	2511.0	1209.6	1005.9	990.8	934.2	871.4	793.4	744.4	736.8
50°	5418.1	5064.8	2562.6	1056.2	919.2	921.7	880.2	811.0	740.6	704.1	697.9
52.5°	6723.3	6172.6	2700.9	943.0	846.2	865.1	842.5	775.8	712.9	681.5	675.2
55°	7950.5	7191.0	2819.1	862.6	784.6	817.3	816.0	754.4	697.9	666.4	662.6
57.5°	8994.2	7888.9	2801.5	797.2	731.8	773.3	792.2	740.6	687.8	661.4	657.6
60°	9643.0	8258.6	2551.3	736.8	691.6	741.9	778.3	736.8	692.8	686.5	687.8
62.5°	9924.6	8190.7	2070.9	691.6	665.2	726.8	793.4	763.2	739.3	754.4	763.2
65°	9487.1	7607.2	1524.0	657.6	640.0	730.5	828.6	804.7	739.3	749.4	753.2
67.5°	8272.4	6475.6	1101.5	623.7	608.6	741.9	878.9	798.4	696.6	696.6	689.1
70°	5961.3	4657.4	799.7	589.7	577.1	725.5	881.4	755.7	647.6	643.8	624.9
72.5°	3587.3	2747.4	623.7	552.0	529.4	643.8	826.1	705.4	599.8	568.3	545.7
75°	1863.5	1376.8	523.1	510.5	453.9	545.7	755.7	627.4	513.0	485.4	472.8
77.5°	798.4	643.8	448.9	455.2	377.2	458.9	609.8	543.2	455.2	420.0	408.7
80°	393.6	365.9	354.6	364.6	301.8	354.6	525.6	475.3	386.0	345.8	329.4
82.5°	225.1	213.8	255.3	259.0	215.0	296.7	443.9	402.4	319.4	275.4	249.0
85°	104.4	111.9	154.7	155.9	133.3	203.7	290.5	226.3	169.7	140.8	134.5
87.5°	41.5	49.0	67.9	66.6	39.0	37.7	25.1	13.8	11.3	10.1	8.8
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)