

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: P639387

Luminaire Tested: GWS-SA5B-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639387
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-SA5B-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17760.3 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

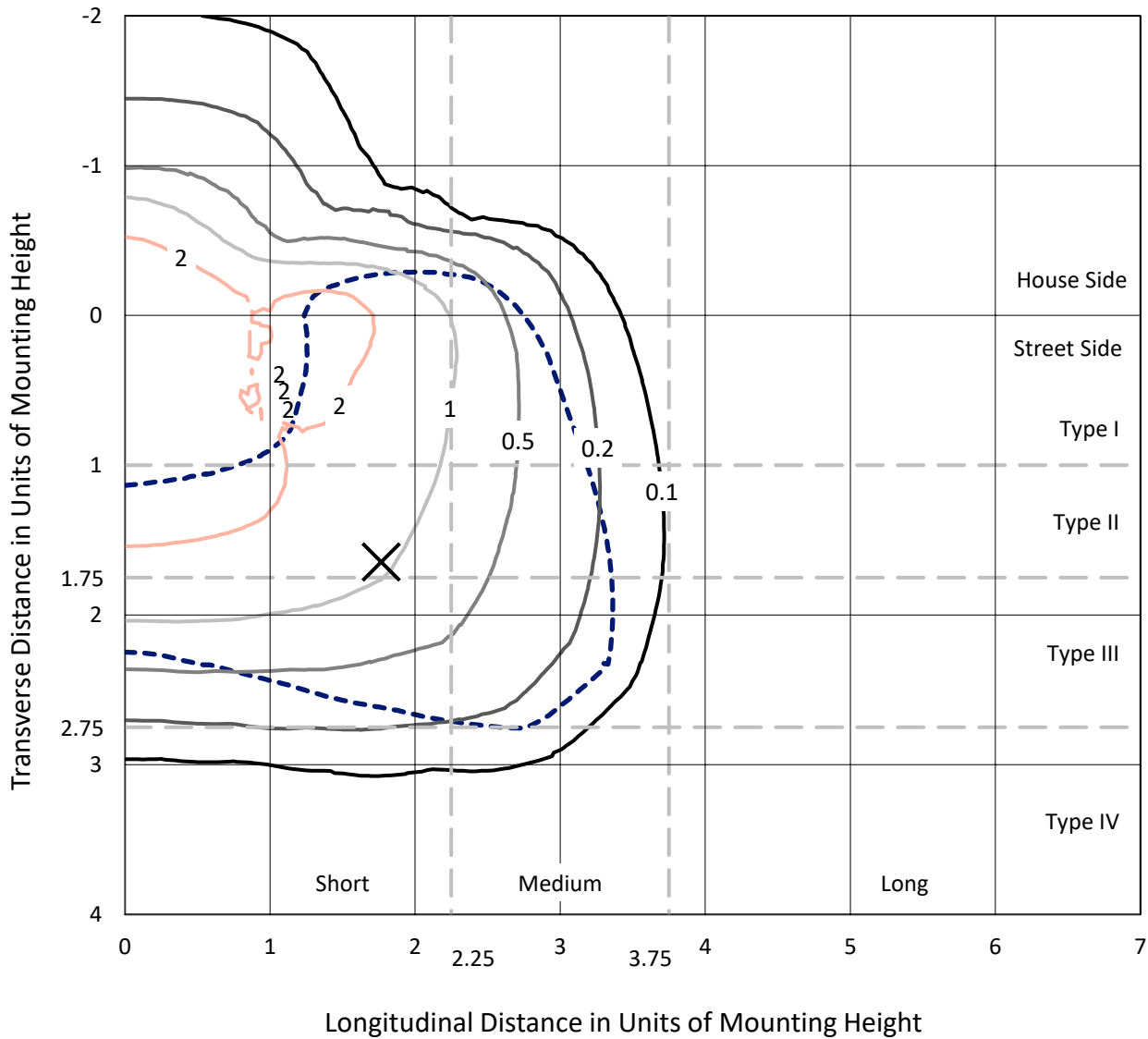
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

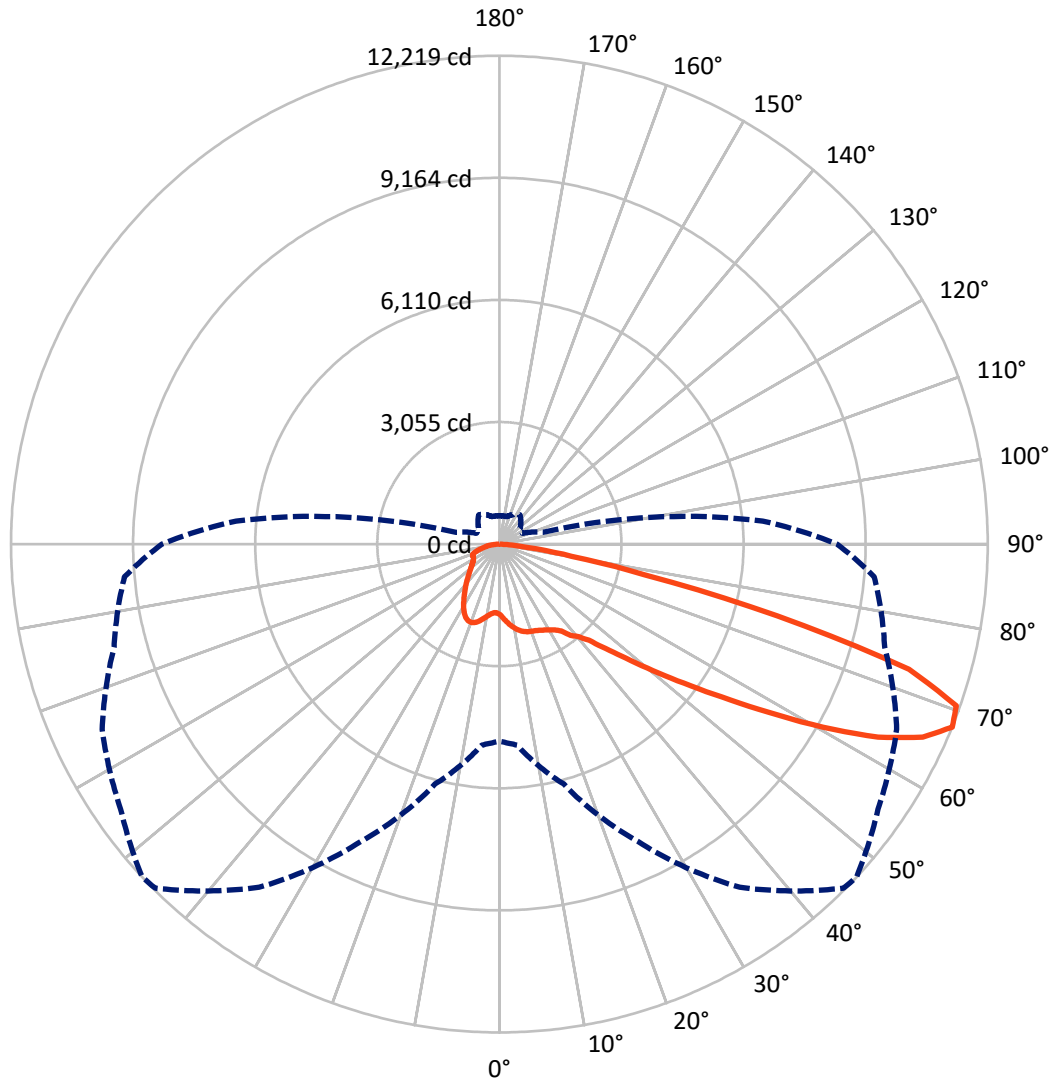
✕ Max cd
 - - - 1/2 Max cd



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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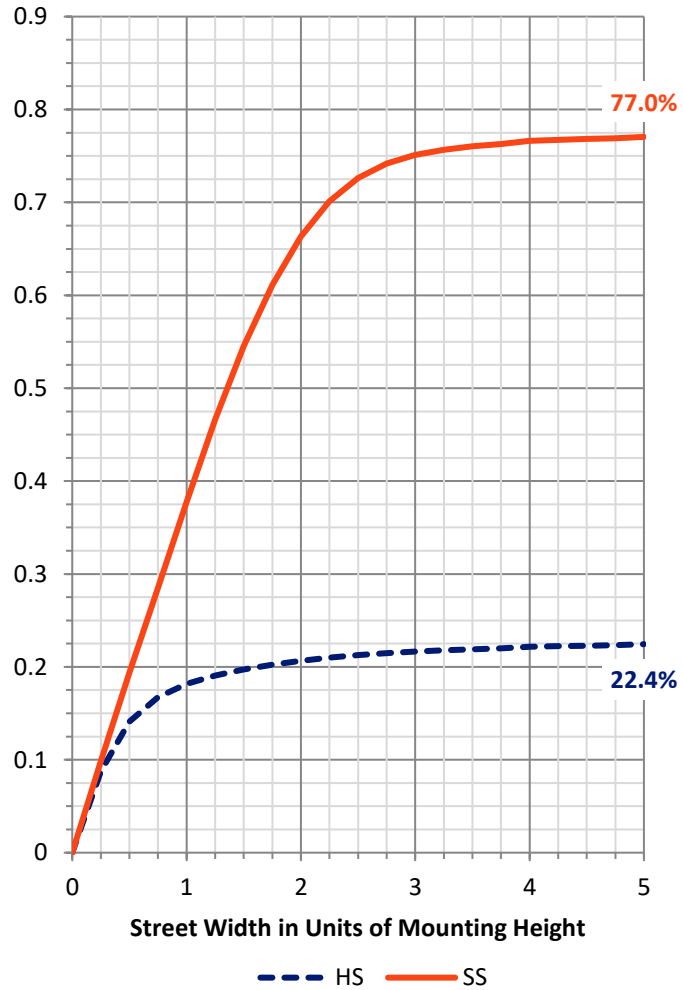
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4047.7	0.0	4047.7
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	13712.6	0.0	13712.6
	% Fixture	77.2	0.0	77.2
Total	Lumens	17760.3	0.0	17760.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.9	1.0
10°-20°	599.5	3.4
20°-30°	1019.0	5.7
30°-40°	1492.7	8.4
40°-50°	2274.3	12.8
50°-60°	4069.1	22.9
60°-70°	5429.8	30.6
70°-80°	2455.5	13.8
80°-90°	240.6	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°	17760.3	100.0
0°-180°	17760.3	100.0

Coefficient of Utilization



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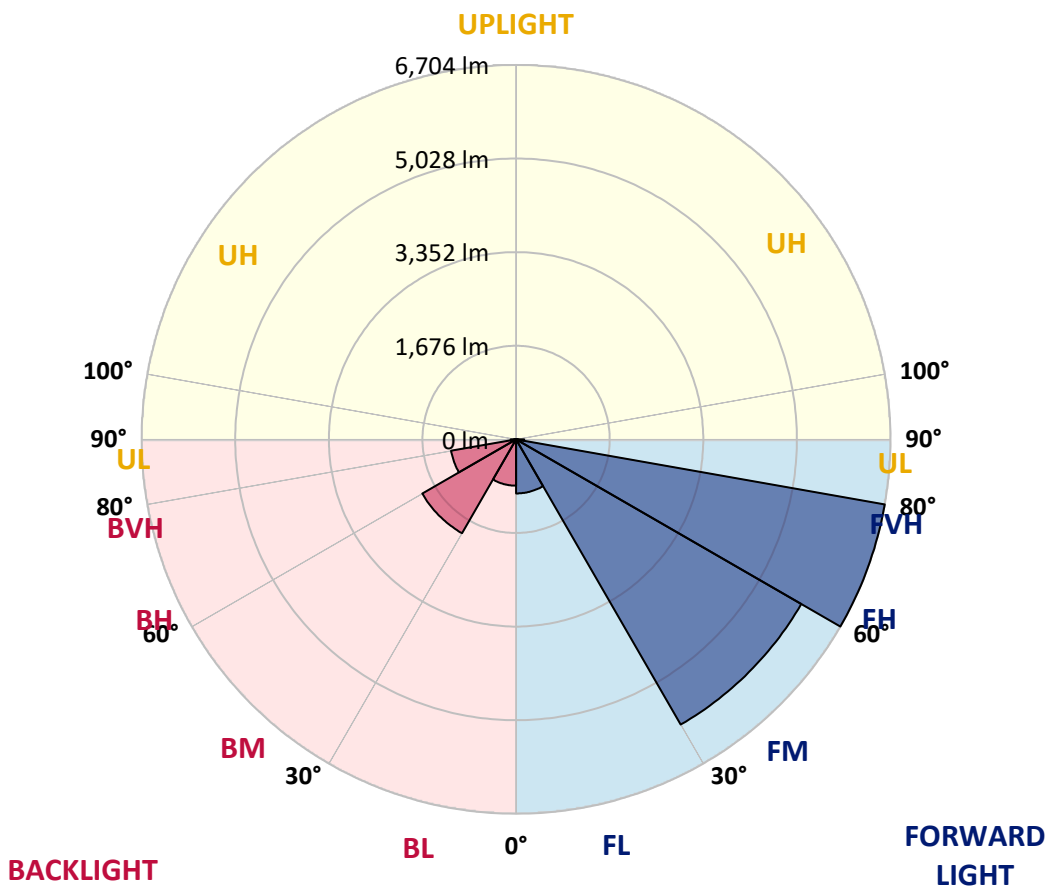
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	968.6	5.5			
FM (30°-60°)	5896.6	33.2			
FH (60°-80°)	6704.3	37.7			G3/7500
FVH (80°-90°)	143.1	0.8			G2/225
BL (0°-30°)	829.8	4.7	B2/1000		
BM (30°-60°)	1939.4	10.9	B2/2500		
BH (60°-80°)	1181.0	6.6	B3/2500		G3/2500
BVH (80°-90°)	97.5	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°	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6
2.5°	1877.5	1883.9	1882.6	1872.3	1865.9	1854.4	1855.6	1837.7	1810.7	1792.7	1772.2
5°	2043.1	2053.4	2040.6	2023.9	1998.2	1960.9	1957.1	1916.0	1864.6	1828.7	1791.4
7.5°	2187.0	2193.4	2178.0	2149.7	2112.5	2062.4	2053.4	2004.6	1940.4	1883.9	1830.0
10°	2298.7	2306.4	2285.8	2248.6	2199.8	2149.7	2143.3	2093.2	2025.1	1958.4	1890.3
12.5°	2393.7	2396.3	2374.4	2324.4	2271.7	2220.3	2213.9	2167.7	2104.8	2036.7	1962.2
15°	2448.9	2450.2	2423.2	2368.0	2317.9	2273.0	2269.1	2229.3	2171.5	2107.3	2027.7
17.5°	2445.1	2447.6	2428.4	2379.6	2335.9	2309.0	2305.1	2279.4	2234.5	2176.7	2097.1
20°	2397.6	2400.1	2387.3	2355.2	2332.1	2324.4	2325.6	2317.9	2291.0	2243.5	2162.6
22.5°	2360.3	2364.2	2352.6	2329.5	2326.9	2344.9	2348.8	2352.6	2339.8	2297.4	2219.1
25°	2378.3	2384.7	2366.7	2334.6	2339.8	2379.6	2387.3	2400.1	2389.9	2353.9	2285.8
27.5°	2502.9	2506.7	2460.5	2395.0	2379.6	2422.0	2433.5	2454.1	2446.4	2413.0	2360.3
30°	2791.8	2789.2	2690.4	2529.8	2465.6	2482.3	2491.3	2520.8	2523.4	2501.6	2451.5
32.5°	3198.9	3186.0	3033.2	2777.7	2591.5	2550.4	2560.7	2600.5	2630.0	2606.9	2538.8
35°	3629.1	3617.5	3449.3	3150.1	2823.9	2681.4	2669.8	2700.6	2745.6	2681.4	2583.8
37.5°	4038.7	4020.8	3848.7	3478.8	3110.3	2911.2	2894.5	2863.7	2836.7	2713.5	2639.0
40°	4493.3	4472.8	4322.5	3903.9	3426.2	3087.2	3044.8	2922.8	2898.4	2820.1	2782.8
42.5°	4978.8	4978.8	4854.2	4442.0	3807.6	3338.9	3283.6	3100.0	3125.7	3074.3	3030.7
45°	5464.2	5478.3	5379.4	4983.9	4317.4	3814.0	3725.4	3464.7	3526.4	3503.2	3481.4
47.5°	5877.7	5904.6	5885.4	5537.4	4941.5	4391.9	4257.0	3986.1	4118.4	4173.6	4235.2
50°	6323.3	6352.8	6333.6	6196.2	5672.2	5091.8	4971.1	4691.1	4918.4	5084.1	5285.7
52.5°	6984.6	7027.0	6866.5	6813.8	6559.6	5886.7	5778.8	5460.3	5872.5	6147.4	6596.8
55°	7543.3	7542.0	7485.5	7606.2	7512.4	6858.8	6739.4	6450.4	6976.9	7268.4	7925.9
57.5°	7802.7	7833.5	8027.4	8369.0	8556.5	8046.7	7932.4	7637.0	8162.2	8313.8	9023.9
60°	7936.2	7974.7	8349.7	9025.2	9529.9	9343.7	9298.7	8922.5	9217.8	9199.8	9949.8
62.5°	7748.7	7825.8	8428.1	9325.7	10224.6	10647.1	10633.0	10064.1	10115.5	9939.5	10523.8
65°	6888.3	6971.8	7917.0	9175.5	10621.4	11638.5	11642.4	11097.9	10805.1	10299.1	10427.5
67.5°	4926.1	5045.5	6214.1	8209.7	10481.5	12174.0	12219.0	11566.6	10966.9	9980.6	9415.6
70°	2685.2	2772.5	3688.2	5967.6	9220.4	12045.6	12129.1	11340.6	10252.9	8633.5	7247.9
72.5°	1220.0	1248.2	1715.7	3274.7	6298.9	10368.5	10717.7	10120.6	8420.4	6377.2	4608.9
75°	558.6	571.5	747.4	1566.7	3291.3	6938.4	7183.7	7538.1	5859.7	4027.2	2402.7
77.5°	350.6	354.4	425.1	716.6	1641.2	3463.4	3721.5	4488.2	3431.3	1993.0	1004.2
80°	206.8	210.6	264.5	387.8	770.5	1584.7	1830.0	1774.7	1612.9	860.4	457.2
82.5°	104.0	107.9	152.8	220.9	419.9	630.5	742.3	746.1	601.0	466.2	258.1
85°	37.2	38.5	50.1	87.3	178.5	208.0	232.4	283.8	294.1	271.0	124.6
87.5°	0.0	0.0	1.3	2.6	5.1	20.5	21.8	41.1	86.0	96.3	50.1
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°	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6
2.5°	1765.7	1746.5	1740.1	1733.6	1723.4	1719.5	1711.8	1704.1	1704.1	1696.4	1692.5
5°	1774.7	1749.1	1732.4	1724.7	1718.2	1722.1	1722.1	1724.7	1733.6	1728.5	1731.1
7.5°	1806.8	1777.3	1754.2	1747.8	1747.8	1763.2	1773.4	1786.3	1803.0	1805.6	1805.6
10°	1863.3	1828.7	1804.3	1800.4	1806.8	1828.7	1844.1	1859.5	1880.0	1881.3	1883.9
12.5°	1925.0	1890.3	1865.9	1871.0	1877.5	1905.7	1922.4	1935.3	1955.8	1955.8	1954.5
15°	1989.2	1950.7	1930.1	1940.4	1959.7	1991.8	1994.3	1995.6	2005.9	2003.3	2002.0
17.5°	2056.0	2014.9	1999.5	2014.9	2035.4	2050.8	2038.0	2020.0	2016.2	2011.0	2008.5
20°	2121.5	2079.1	2072.7	2084.2	2090.6	2077.8	2038.0	2004.6	1989.2	1981.5	1978.9
22.5°	2178.0	2142.0	2138.2	2138.2	2106.1	2061.1	2002.0	1957.1	1936.5	1926.3	1923.7
25°	2244.7	2211.4	2204.9	2170.3	2088.1	2005.9	1926.3	1885.2	1868.5	1863.3	1864.6
27.5°	2323.1	2300.0	2279.4	2180.5	2036.7	1908.3	1818.4	1800.4	1794.0	1800.4	1804.3
30°	2419.4	2396.3	2350.0	2167.7	1954.5	1781.2	1695.1	1693.8	1713.1	1729.8	1732.4
32.5°	2497.7	2487.5	2411.7	2126.6	1838.9	1641.2	1568.0	1573.1	1607.8	1630.9	1634.8
35°	2559.4	2576.1	2463.1	2058.5	1701.5	1508.9	1451.1	1453.7	1473.0	1505.1	1506.3
37.5°	2646.7	2703.2	2509.3	1954.5	1543.6	1394.6	1342.0	1322.7	1320.1	1329.1	1331.7
40°	2822.6	2907.4	2542.7	1803.0	1390.8	1291.9	1232.8	1195.6	1163.5	1139.1	1131.4
42.5°	3088.4	3186.0	2561.9	1619.3	1254.6	1190.4	1123.7	1076.1	1019.6	968.3	950.3
45°	3576.4	3608.5	2561.9	1424.2	1133.9	1095.4	1028.6	972.1	900.2	839.9	827.0
47.5°	4357.2	4254.5	2564.5	1235.4	1027.3	1011.9	954.1	889.9	810.3	760.2	752.5
50°	5533.5	5172.7	2617.2	1078.7	938.7	941.3	898.9	828.3	756.4	719.1	712.7
52.5°	6866.5	6304.0	2758.4	963.1	864.3	883.5	860.4	792.3	728.1	696.0	689.6
55°	8119.9	7344.2	2879.1	880.9	801.3	834.7	833.4	770.5	712.7	680.6	676.8
57.5°	9185.7	8056.9	2861.1	814.2	747.4	789.8	809.0	756.4	702.4	675.5	671.6
60°	9848.4	8434.5	2605.6	752.5	706.3	757.7	794.9	752.5	707.6	701.2	702.4
62.5°	10136.0	8365.1	2115.0	706.3	679.3	742.3	810.3	779.5	755.1	770.5	779.5
65°	9689.1	7769.3	1556.4	671.6	653.6	746.1	846.3	821.9	755.1	765.4	769.2
67.5°	8448.6	6613.5	1124.9	637.0	621.5	757.7	897.6	815.5	711.4	711.4	703.7
70°	6088.3	4756.6	816.7	602.3	589.4	741.0	900.2	771.8	661.4	657.5	638.2
72.5°	3663.8	2805.9	637.0	563.8	540.6	657.5	843.7	720.4	612.6	580.4	557.3
75°	1903.2	1406.2	534.2	521.4	463.6	557.3	771.8	640.8	523.9	495.7	482.9
77.5°	815.5	657.5	458.5	464.9	385.3	468.7	622.8	554.8	464.9	428.9	417.4
80°	401.9	373.7	362.1	372.4	308.2	362.1	536.8	485.4	394.2	353.1	336.5
82.5°	229.9	218.3	260.7	264.5	219.6	303.1	453.3	410.9	326.2	281.2	254.3
85°	106.6	114.3	158.0	159.2	136.1	208.0	296.6	231.2	173.4	143.8	137.4
87.5°	42.4	50.1	69.3	68.1	39.8	38.5	25.7	14.1	11.6	10.3	9.0
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)