

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: P633384

Luminaire Tested: GWS-SA2E-750-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-750-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

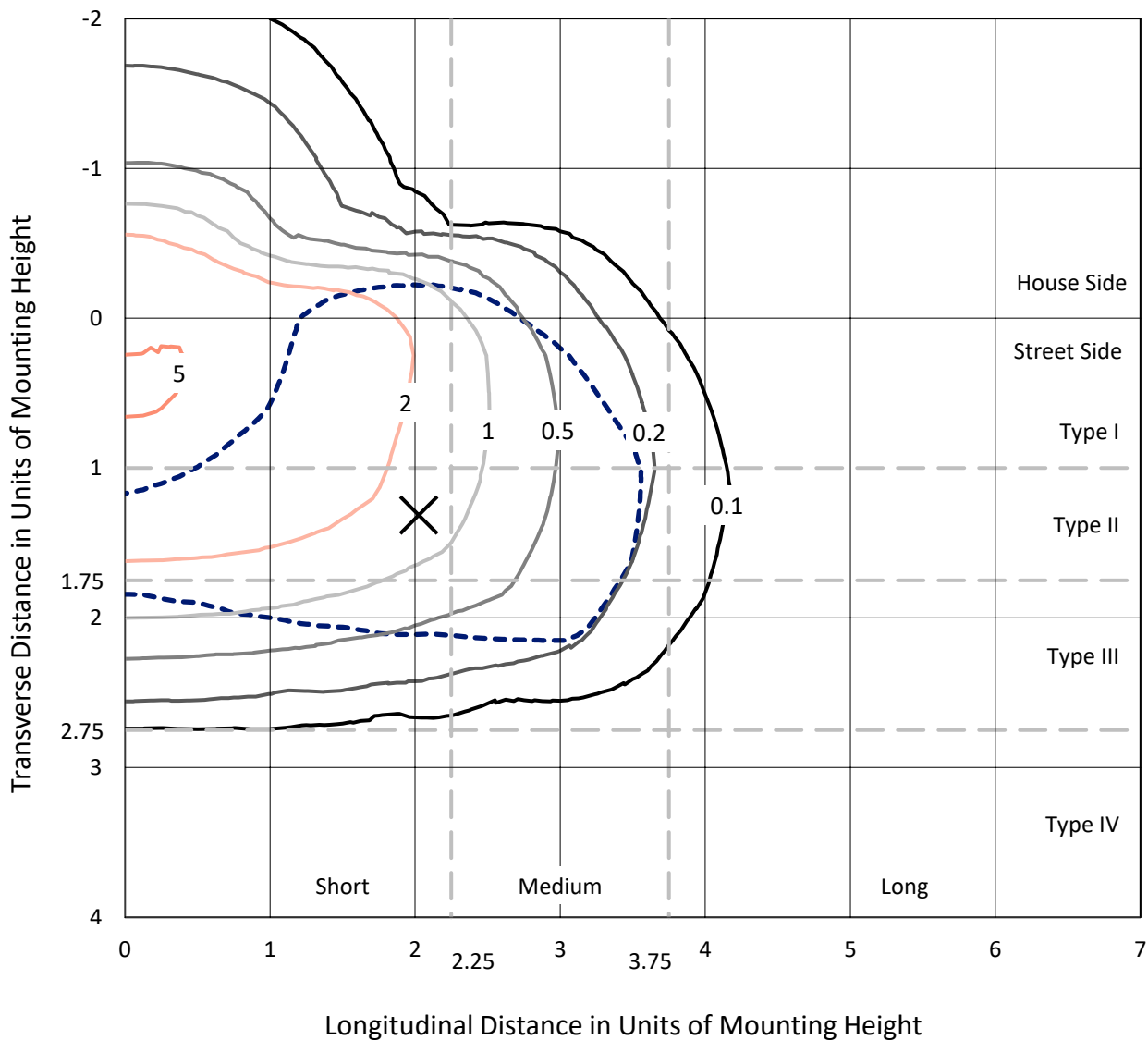
Lumens per Lamp: N/A  
Luminaire Lumens: 14935.6 lumens  
Efficiency: N/A  
Efficacy: 138.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

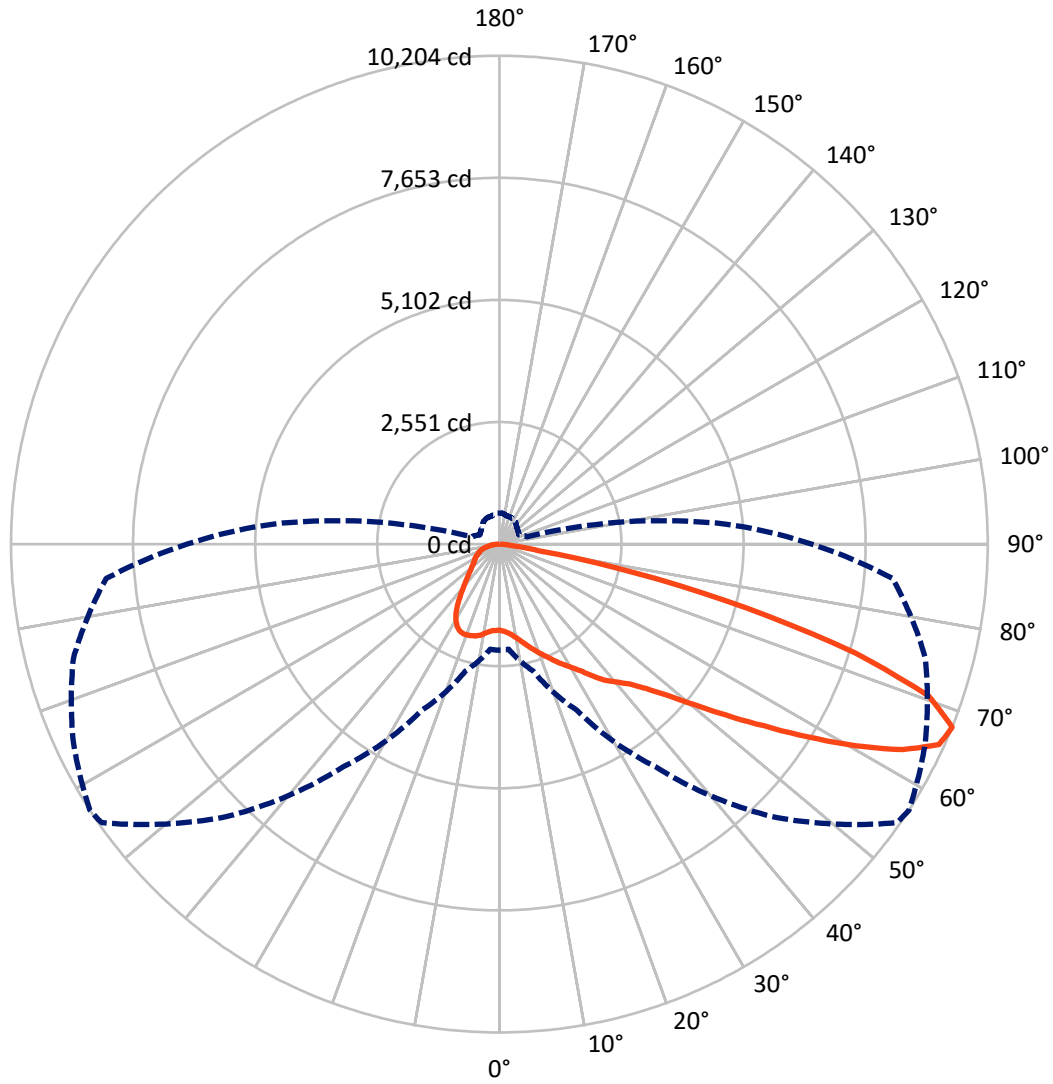
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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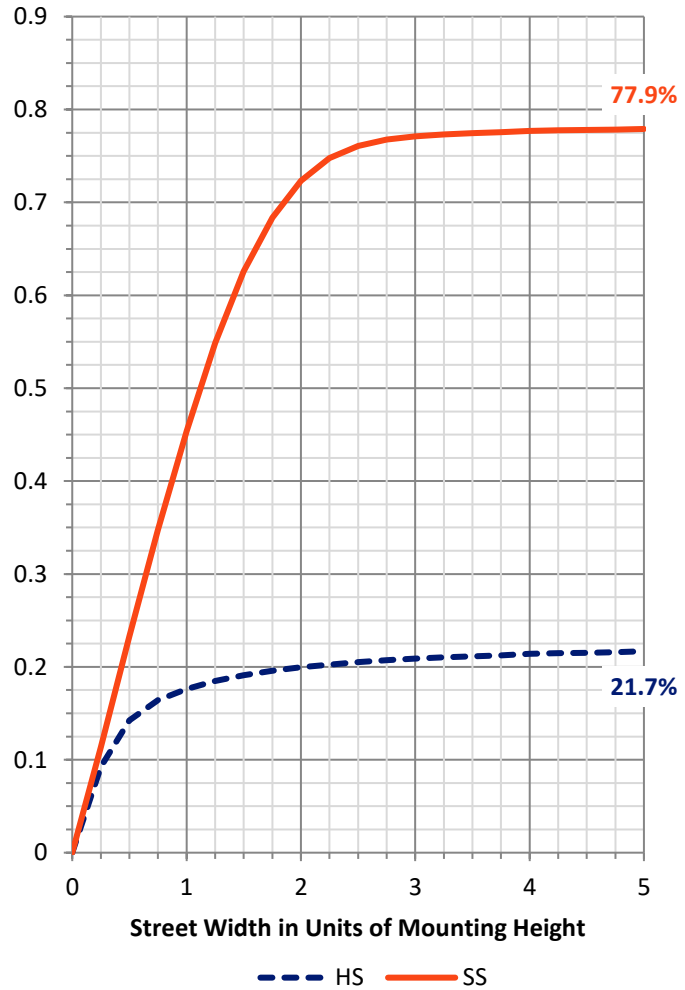
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3283.8	0.0	3283.8
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	11651.8	0.0	11651.8
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	14935.6	0.0	14935.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.5	1.2
10°-20°	590.9	4.0
20°-30°	1053.4	7.1
30°-40°	1531.6	10.3
40°-50°	2216.7	14.8
50°-60°	3469.0	23.2
60°-70°	4046.8	27.1
70°-80°	1689.3	11.3
80°-90°	159.4	1.1
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°	14935.6	100.0
0°-180°	14935.6	100.0

**Coefficient of Utilization**



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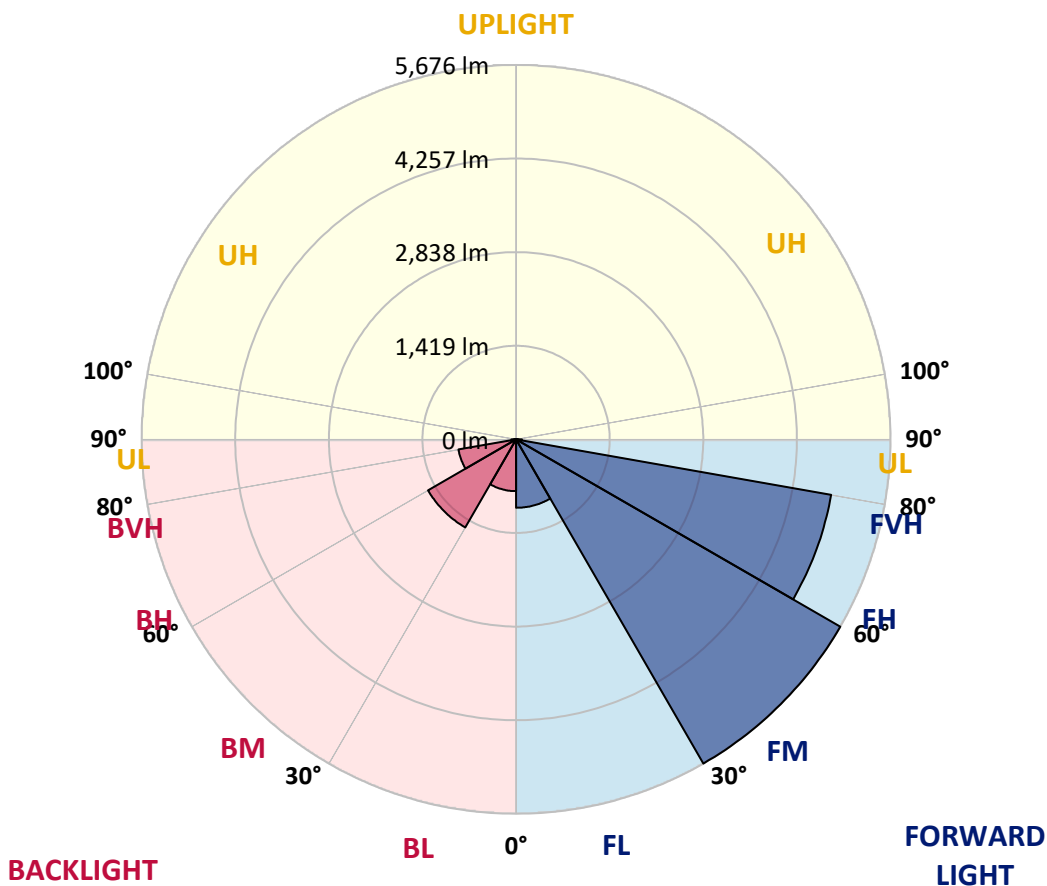
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.4	6.9			
FM (30°-60°)	5675.7	38.0			
FH (60°-80°)	4849.8	32.5			G2/5000
FVH (80°-90°)	88.8	0.6			G1/100
BL (0°-30°)	785.4	5.3	B2/1000		
BM (30°-60°)	1541.5	10.3	B2/2500		
BH (60°-80°)	886.3	5.9	B2/1000		G2/1000
BVH (80°-90°)	70.6	0.5			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6
2.5°	1825.3	1823.2	1822.1	1828.5	1826.4	1825.3	1825.3	1824.2	1822.1	1813.5	1801.8
5°	1875.6	1871.3	1867.0	1872.4	1868.1	1863.8	1862.8	1860.6	1853.1	1840.3	1822.1
7.5°	1928.0	1923.8	1924.8	1928.0	1924.8	1922.7	1919.5	1917.3	1905.6	1885.2	1860.6
10°	2001.9	2001.9	2004.0	2007.2	2008.3	2005.1	1998.6	1995.4	1981.5	1955.8	1921.6
12.5°	2108.9	2106.7	2106.7	2104.6	2107.8	2104.6	2098.2	2092.8	2075.7	2042.5	1993.3
15°	2250.1	2241.5	2234.0	2220.1	2215.8	2204.1	2206.2	2203.0	2187.0	2142.0	2080.0
17.5°	2400.9	2399.9	2388.1	2360.3	2332.5	2313.2	2317.5	2316.4	2307.9	2246.9	2167.7
20°	2533.6	2539.0	2528.3	2506.9	2469.4	2433.0	2430.9	2436.3	2425.6	2364.6	2254.4
22.5°	2682.3	2678.1	2667.4	2639.5	2611.7	2573.2	2560.4	2556.1	2551.8	2482.3	2343.2
25°	2823.6	2836.4	2822.5	2796.8	2754.0	2712.3	2701.6	2705.9	2694.1	2602.1	2438.4
27.5°	3002.3	3007.6	2999.0	2963.7	2927.4	2868.5	2848.2	2848.2	2843.9	2714.4	2513.3
30°	3192.7	3207.7	3192.7	3163.8	3126.4	3041.8	2998.0	2993.7	2980.9	2830.0	2601.0
32.5°	3384.2	3394.9	3384.2	3356.4	3313.6	3239.8	3176.7	3167.0	3149.9	2956.2	2690.9
35°	3554.3	3564.0	3561.8	3568.2	3532.9	3439.9	3401.3	3397.1	3352.1	3121.0	2812.9
37.5°	3740.5	3752.3	3736.2	3749.1	3735.2	3647.4	3635.7	3614.3	3550.1	3276.2	2941.3
40°	3952.4	3963.1	3937.4	3942.7	3926.7	3877.5	3817.5	3788.7	3693.4	3444.1	3143.5
42.5°	4179.2	4203.8	4215.6	4205.9	4168.5	4140.7	4035.8	3999.4	3920.3	3746.9	3476.2
45°	4507.7	4544.0	4561.2	4536.5	4520.5	4480.9	4352.5	4308.6	4266.9	4173.8	3940.6
47.5°	4861.8	4895.0	4949.5	4960.2	4973.1	4943.1	4762.3	4719.5	4727.0	4716.3	4511.9
50°	5144.3	5172.1	5295.1	5426.7	5535.9	5544.4	5313.3	5267.3	5308.0	5342.2	5199.9
52.5°	5349.7	5374.3	5536.9	5808.7	6055.9	6238.8	5989.5	5937.1	5970.3	6047.3	5982.0
55°	5516.6	5550.8	5721.0	6138.2	6637.9	6926.8	6767.4	6701.0	6687.1	6782.3	6819.8
57.5°	5604.3	5615.0	5853.6	6396.1	7064.8	7601.9	7671.5	7596.6	7463.9	7516.3	7711.1
60°	5404.3	5422.5	5748.8	6462.4	7401.8	8271.7	8620.5	8558.4	8276.0	8304.9	8519.9
62.5°	4851.1	4876.8	5269.5	6146.8	7429.7	8718.9	9496.8	9457.2	9078.4	8922.2	8986.4
65°	3891.4	3899.9	4306.5	5365.7	6876.5	8774.6	10107.7	10098.1	9639.1	9273.2	8998.2
67.5°	2219.1	2204.1	2747.6	3827.2	5675.0	8051.3	10147.3	10204.0	9821.0	9215.4	8249.2
70°	961.9	964.0	1214.4	1888.4	3673.1	6507.4	9425.1	9522.5	9294.6	8253.5	6563.0
72.5°	445.1	451.5	559.6	817.4	1568.5	4036.9	7685.4	7773.1	7577.3	6605.8	4775.1
75°	314.6	319.9	373.4	468.6	721.1	1572.8	5141.1	5325.1	5420.3	4941.0	3146.7
77.5°	238.6	246.1	272.8	325.3	445.1	557.4	2459.8	2898.5	3452.7	3073.9	1621.0
80°	151.9	151.9	180.8	217.2	271.8	290.0	710.4	842.0	1689.4	1266.8	636.6
82.5°	102.7	105.9	123.0	138.0	156.2	164.8	304.9	325.3	487.9	431.2	262.1
85°	54.6	56.7	64.2	63.1	74.9	65.3	128.4	127.3	178.7	195.8	99.5
87.5°	0.0	0.0	1.1	1.1	2.1	3.2	13.9	15.0	37.4	59.9	33.2
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°	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6	1799.6
2.5°	1808.2	1795.4	1801.8	1799.6	1806.1	1806.1	1794.3	1791.1	1792.1	1779.3	1775.0
5°	1824.2	1809.3	1812.5	1808.2	1814.6	1820.0	1814.6	1814.6	1821.0	1811.4	1806.1
7.5°	1860.6	1843.5	1843.5	1838.2	1845.6	1849.9	1845.6	1852.1	1863.8	1854.2	1848.9
10°	1918.4	1898.1	1899.1	1892.7	1895.9	1893.8	1876.7	1871.3	1874.5	1866.0	1861.7
12.5°	1993.3	1965.5	1965.5	1952.6	1945.1	1922.7	1887.4	1874.5	1876.7	1869.2	1866.0
15°	2065.0	2039.3	2034.0	2008.3	1974.0	1932.3	1900.2	1891.7	1893.8	1886.3	1881.0
17.5°	2149.5	2116.3	2097.1	2050.0	1986.9	1944.1	1912.0	1891.7	1874.5	1857.4	1853.1
20°	2227.6	2185.9	2150.6	2077.8	2000.8	1941.9	1882.0	1831.7	1790.0	1767.5	1762.2
22.5°	2307.9	2254.4	2192.3	2097.1	1999.7	1903.4	1793.2	1717.3	1655.2	1622.0	1628.4
25°	2383.8	2316.4	2231.9	2115.3	1965.5	1817.8	1668.0	1554.6	1484.0	1458.3	1450.8
27.5°	2447.0	2363.5	2268.3	2106.7	1894.9	1694.8	1496.8	1370.6	1302.1	1273.2	1265.7
30°	2517.6	2423.4	2320.7	2067.1	1783.6	1522.5	1303.2	1200.5	1151.3	1123.4	1124.5
32.5°	2598.9	2500.4	2394.5	1991.2	1641.3	1336.4	1143.8	1073.1	1033.6	1005.7	1001.5
35°	2708.0	2610.7	2443.7	1876.7	1460.5	1165.2	1034.6	976.9	927.6	891.3	883.8
37.5°	2842.8	2776.5	2449.1	1723.7	1266.8	1047.5	956.5	894.5	834.6	786.4	781.1
40°	3073.9	2998.0	2405.2	1532.2	1102.0	971.5	891.3	819.6	750.0	696.5	689.0
42.5°	3403.5	3247.3	2311.1	1316.0	977.9	911.6	829.2	738.3	667.6	630.2	624.8
45°	3822.9	3525.5	2169.8	1112.7	885.9	852.7	763.9	668.7	631.3	604.5	599.2
47.5°	4336.5	3849.6	2007.2	954.4	814.2	799.2	697.6	645.2	612.0	589.5	584.2
50°	4950.6	4262.6	1873.5	830.3	750.0	737.2	676.2	631.3	604.5	586.3	582.0
52.5°	5651.4	4721.6	1808.2	741.5	694.4	681.6	668.7	628.1	605.6	591.7	586.3
55°	6379.0	5205.3	1747.2	673.0	647.3	654.8	669.8	638.8	621.6	603.4	598.1
57.5°	7081.9	5658.9	1597.4	619.5	613.1	642.0	675.1	649.5	629.1	610.9	604.5
60°	7566.6	5907.1	1343.8	576.7	587.4	625.9	661.2	633.4	607.7	600.2	597.0
62.5°	7697.1	5877.2	1043.2	532.8	556.4	590.6	624.8	606.7	579.9	591.7	592.7
65°	7392.2	5556.2	783.2	490.0	515.7	544.6	587.4	579.9	570.3	602.4	603.4
67.5°	6528.8	4767.7	597.0	452.6	474.0	509.3	575.6	606.7	608.8	649.5	645.2
70°	4939.9	3561.8	467.6	417.3	441.9	509.3	613.1	627.0	601.3	638.8	630.2
72.5°	3415.2	2350.7	398.0	386.2	402.3	485.8	612.0	612.0	584.2	584.2	568.1
75°	2121.7	1382.4	346.7	346.7	346.7	424.8	594.9	563.9	514.6	492.2	479.3
77.5°	1047.5	671.9	291.0	301.7	290.0	355.2	485.8	461.1	431.2	407.6	399.1
80°	447.2	336.0	235.4	247.2	233.2	267.5	385.2	379.8	350.9	319.9	310.3
82.5°	205.4	173.3	188.3	193.7	170.1	201.1	281.4	281.4	265.3	222.5	206.5
85°	87.7	92.0	130.5	130.5	107.0	113.4	150.9	143.4	128.4	104.9	96.3
87.5°	30.0	44.9	66.3	57.8	22.5	9.6	5.3	2.1	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)