

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: P630939

Luminaire Tested: GWS-SA1E-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630939  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

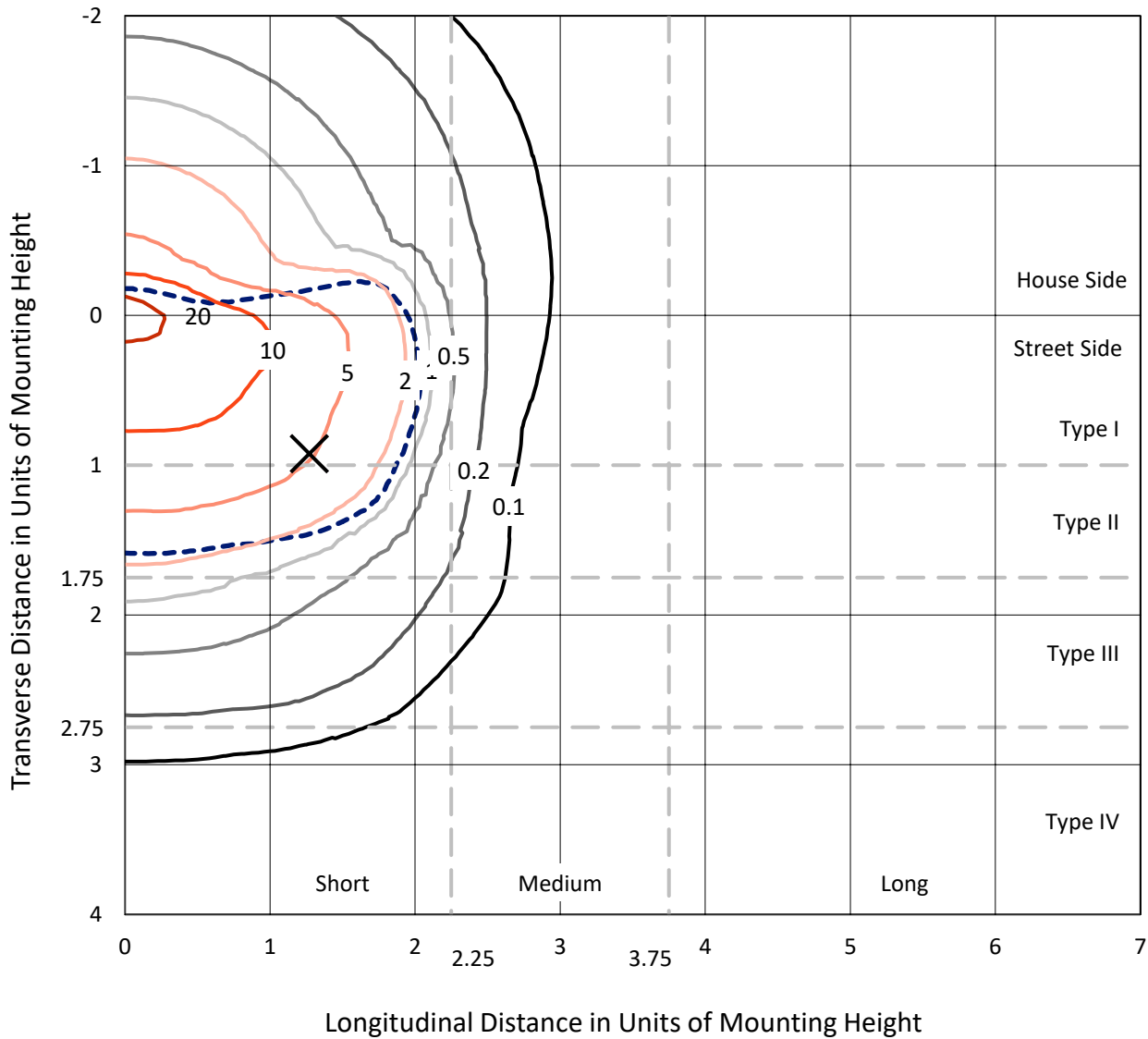
Lumens per Lamp: N/A  
Luminaire Lumens: 6402.3 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

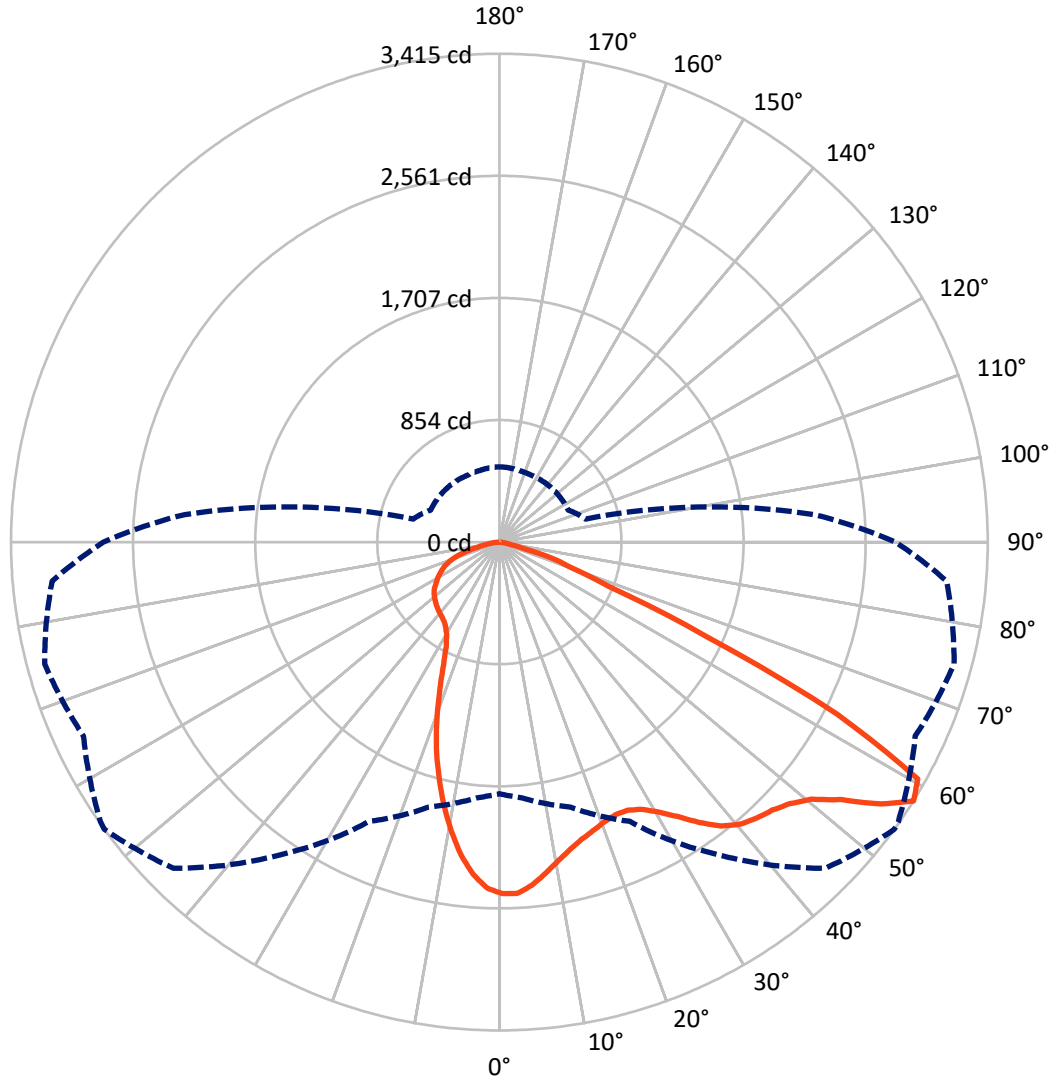
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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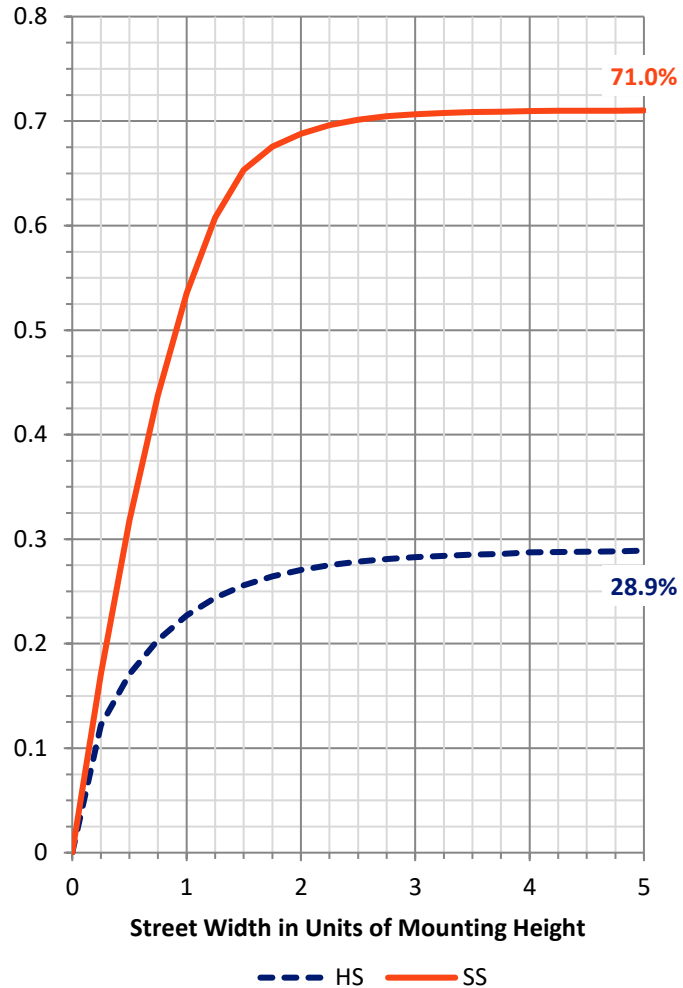
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1861.2	0.0	1861.2
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	4541.1	0.0	4541.1
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	6402.3	0.0	6402.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.1	3.4
10°-20°	515.5	8.1
20°-30°	713.4	11.1
30°-40°	991.3	15.5
40°-50°	1309.2	20.4
50°-60°	1555.8	24.3
60°-70°	861.9	13.5
70°-80°	214.6	3.4
80°-90°	24.4	0.4
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°	6402.3	100.0
0°-180°	6402.3	100.0

**Coefficient of Utilization**



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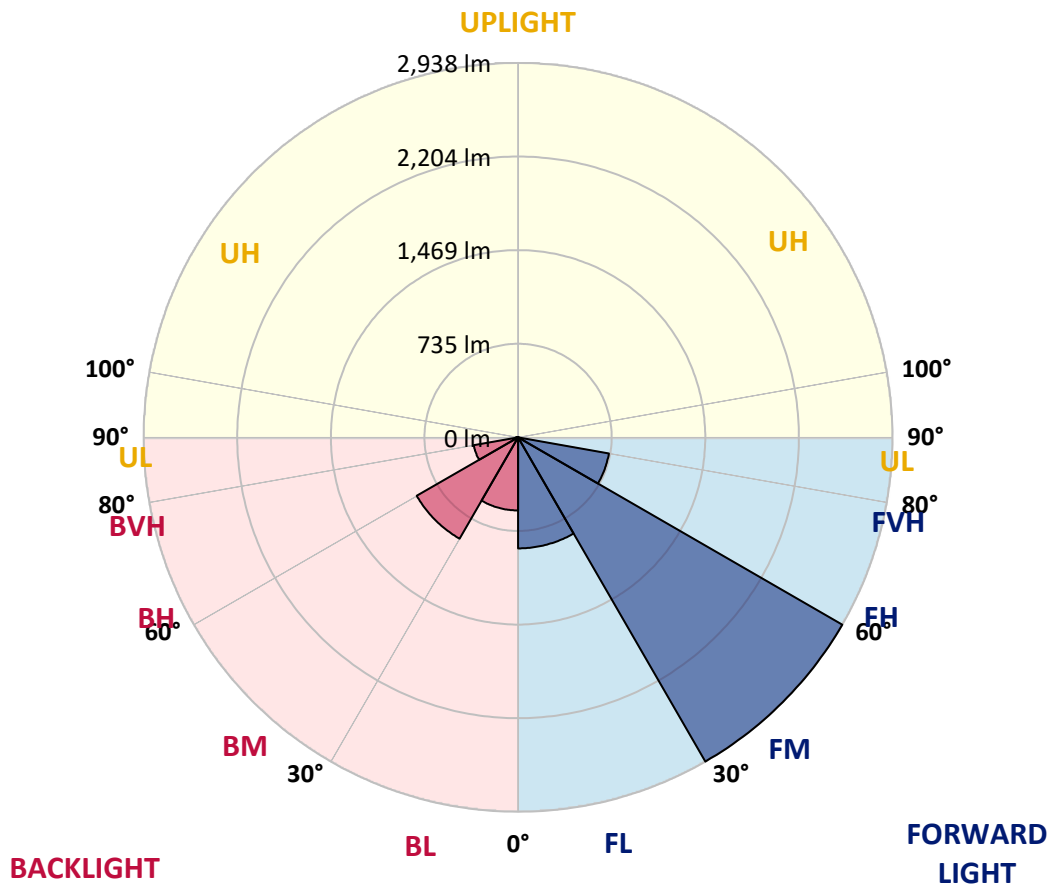
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.5	13.6			
FM (30°-60°)	2938.1	45.9			
FH (60°-80°)	723.9	11.3			G1/1800
FVH (80°-90°)	7.6	0.1			G0/10
BL (0°-30°)	573.6	9.0	B2/1000		
BM (30°-60°)	918.2	14.3	B1/1000		
BH (60°-80°)	352.7	5.5	B1/500		G1/500
BVH (80°-90°)	16.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0
2.5°	2412.0	2416.9	2420.2	2431.7	2441.5	2450.3	2459.6	2459.6	2459.1	2457.4	2454.2
5°	2316.6	2322.1	2329.7	2345.6	2367.0	2382.4	2407.6	2409.8	2420.7	2425.1	2422.9
7.5°	2205.9	2207.5	2217.4	2238.2	2272.2	2299.6	2335.8	2340.2	2366.5	2381.8	2379.1
10°	2084.8	2079.3	2096.8	2127.5	2171.9	2217.9	2264.5	2268.4	2310.6	2339.6	2337.4
12.5°	1974.1	1974.6	1992.1	2029.4	2084.8	2141.8	2204.2	2213.0	2265.1	2302.3	2298.5
15°	1881.4	1883.6	1905.0	1947.2	2010.2	2078.2	2156.0	2164.2	2230.0	2279.3	2268.4
17.5°	1807.5	1809.6	1828.3	1876.5	1943.9	2026.1	2120.9	2129.2	2210.8	2269.5	2247.0
20°	1756.5	1755.4	1773.5	1819.5	1889.1	1978.4	2090.2	2102.3	2204.8	2273.3	2232.7
22.5°	1735.7	1735.1	1748.3	1786.1	1851.3	1941.7	2071.6	2088.1	2211.4	2290.3	2224.0
25°	1746.1	1743.9	1755.4	1783.3	1835.4	1927.5	2077.1	2094.6	2239.3	2325.4	2225.6
27.5°	1778.4	1775.7	1785.5	1810.7	1850.2	1942.3	2115.5	2135.7	2298.5	2389.5	2247.5
30°	1827.7	1826.1	1836.0	1860.1	1894.6	1991.6	2188.9	2211.9	2390.0	2489.2	2295.2
32.5°	1885.3	1882.5	1900.1	1928.0	1968.0	2081.5	2287.5	2317.7	2498.5	2617.5	2375.2
35°	1949.9	1947.8	1971.9	2012.4	2070.0	2206.4	2407.0	2439.9	2609.2	2762.7	2481.6
37.5°	2013.0	2013.0	2059.6	2119.8	2192.2	2342.4	2519.4	2540.2	2686.0	2891.5	2595.5
40°	2068.9	2072.2	2142.3	2232.7	2324.8	2465.1	2593.4	2610.9	2720.0	2980.3	2694.7
42.5°	2130.8	2133.5	2215.2	2333.6	2443.2	2564.3	2638.3	2647.1	2726.5	3024.7	2764.9
45°	2180.1	2184.0	2285.4	2412.0	2546.2	2638.8	2673.9	2681.6	2735.8	3048.8	2815.9
47.5°	2205.9	2211.4	2327.6	2475.0	2615.8	2705.7	2732.6	2735.8	2774.2	3091.0	2877.2
50°	2201.5	2212.5	2343.4	2506.2	2667.3	2773.1	2826.8	2832.3	2852.6	3152.9	2949.0
52.5°	2240.4	2245.3	2377.4	2543.5	2740.8	2897.5	2990.7	2998.4	2989.0	3199.5	2991.8
55°	2175.7	2199.3	2335.2	2538.0	2852.6	3089.9	3233.5	3229.6	3112.9	3251.6	3063.0
57.5°	1759.8	1794.3	1918.7	2154.4	2668.4	3224.7	3414.9	3405.6	3208.8	3291.6	3140.3
60°	1218.3	1223.8	1336.1	1503.3	2059.6	2848.7	3361.7	3382.0	3226.3	3241.1	2997.3
62.5°	974.4	972.8	983.2	987.6	1309.8	2002.6	2653.6	2727.6	2680.5	2525.4	2124.2
65°	831.9	838.0	868.7	852.8	855.0	1127.9	1585.5	1595.9	1563.0	1507.1	1123.5
67.5°	651.1	661.5	715.7	777.7	757.9	726.2	822.6	817.7	644.5	498.7	412.1
70°	407.7	414.3	472.4	610.5	659.8	596.3	528.9	526.7	345.3	283.9	311.3
72.5°	237.9	238.9	255.4	340.3	437.9	407.7	389.1	374.9	222.0	226.3	248.3
75°	131.0	131.0	130.4	146.9	172.6	152.9	148.0	144.1	148.5	168.3	184.7
77.5°	27.4	28.0	29.6	38.9	50.4	61.4	77.3	77.8	97.0	112.3	125.5
80°	12.6	13.2	16.4	20.8	26.9	35.6	47.1	47.7	58.6	70.7	79.5
82.5°	6.6	7.1	8.8	11.0	14.2	18.6	26.3	26.3	35.1	41.7	47.1
85°	2.2	2.2	3.3	4.4	6.0	7.7	10.4	10.4	15.3	20.3	23.6
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.2	2.2	2.7	3.3	5.5
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°	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0	2458.0
2.5°	2447.0	2430.0	2430.6	2433.9	2423.5	2407.6	2397.2	2384.0	2375.8	2374.1	2380.2
5°	2412.0	2392.2	2378.5	2364.3	2334.7	2299.6	2272.2	2249.7	2234.9	2229.5	2222.9
7.5°	2363.7	2338.0	2303.4	2263.4	2209.7	2147.2	2103.4	2062.3	2033.8	2025.6	2021.7
10°	2315.5	2278.2	2216.8	2142.3	2053.0	1968.6	1889.1	1828.3	1780.1	1752.7	1761.4
12.5°	2265.6	2219.6	2123.7	2009.1	1884.7	1757.6	1653.5	1552.6	1474.8	1435.9	1424.4
15°	2221.8	2159.3	2025.6	1870.5	1705.0	1544.9	1394.2	1243.0	1144.3	1090.6	1075.8
17.5°	2184.5	2103.4	1922.0	1729.1	1531.2	1303.3	1118.0	977.7	910.3	880.7	878.5
20°	2147.8	2048.6	1819.5	1576.7	1330.7	1075.3	909.8	844.0	819.9	809.5	808.9
22.5°	2114.9	1991.1	1711.5	1424.4	1131.2	903.7	812.8	784.3	777.7	777.7	776.6
25°	2087.0	1933.5	1600.8	1262.7	950.9	804.5	762.3	750.3	753.0	757.9	758.5
27.5°	2075.5	1888.6	1494.0	1096.6	826.5	747.0	727.8	726.2	733.8	741.5	742.6
30°	2087.5	1857.9	1384.4	937.7	751.9	711.9	703.1	706.4	715.7	723.4	723.4
32.5°	2124.8	1842.5	1272.6	821.5	708.6	687.3	684.5	687.8	694.9	699.3	699.9
35°	2187.8	1848.6	1156.9	743.2	680.7	669.2	668.6	670.8	673.5	676.3	676.8
37.5°	2267.3	1875.4	1033.1	697.7	662.6	656.0	654.9	654.4	654.9	654.9	655.5
40°	2345.1	1916.0	922.4	670.8	650.0	644.5	641.8	637.9	637.4	636.3	635.7
42.5°	2402.6	1947.2	834.1	651.6	638.5	631.9	628.6	622.6	622.0	621.5	620.9
45°	2445.9	1973.5	760.7	633.0	626.4	620.4	613.3	607.8	608.9	610.0	610.0
47.5°	2494.7	1996.5	707.0	615.5	611.6	605.6	596.8	593.0	596.8	600.7	600.7
50°	2553.9	2028.9	663.1	597.9	596.3	589.1	581.5	579.8	584.2	589.7	589.7
52.5°	2597.2	2056.8	631.9	580.4	580.4	571.1	564.5	563.9	568.9	574.4	574.9
55°	2678.3	2122.0	620.9	560.1	557.9	550.8	545.9	542.0	548.0	553.0	553.0
57.5°	2769.8	2208.6	623.7	531.1	528.3	526.1	522.3	517.9	519.5	525.0	525.6
60°	2575.8	2040.9	593.5	502.0	500.4	499.3	494.3	486.7	488.9	493.2	493.8
62.5°	1799.2	1356.4	480.1	465.8	471.3	470.8	464.2	455.4	456.0	462.0	462.0
65°	933.9	733.8	421.4	433.0	441.2	437.9	426.9	419.3	418.2	425.8	424.2
67.5°	402.8	400.6	383.6	398.4	407.2	400.1	388.6	376.0	377.1	379.8	377.6
70°	324.4	334.3	341.4	357.3	364.5	351.3	338.7	331.6	325.5	325.0	321.2
72.5°	259.2	272.9	288.8	305.3	307.5	294.3	278.4	271.8	262.5	262.0	258.1
75°	195.1	206.6	219.2	232.4	232.4	219.8	209.4	206.1	195.1	191.8	188.5
77.5°	133.2	140.3	150.2	153.5	156.7	151.8	141.4	135.9	123.3	120.0	115.6
80°	83.9	88.8	94.8	97.0	100.3	94.3	86.0	80.0	71.2	68.5	66.3
82.5°	50.4	53.7	57.5	58.6	61.4	57.0	49.3	44.9	40.0	37.8	36.2
85°	25.8	27.4	29.6	30.1	29.6	25.2	22.5	20.3	17.0	16.4	15.3
87.5°	6.6	7.7	8.2	7.7	7.1	5.5	3.8	2.7	1.1	1.1	0.5
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)