

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: P633097

Luminaire Tested: GWS-SA2E-722-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633097  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-722-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

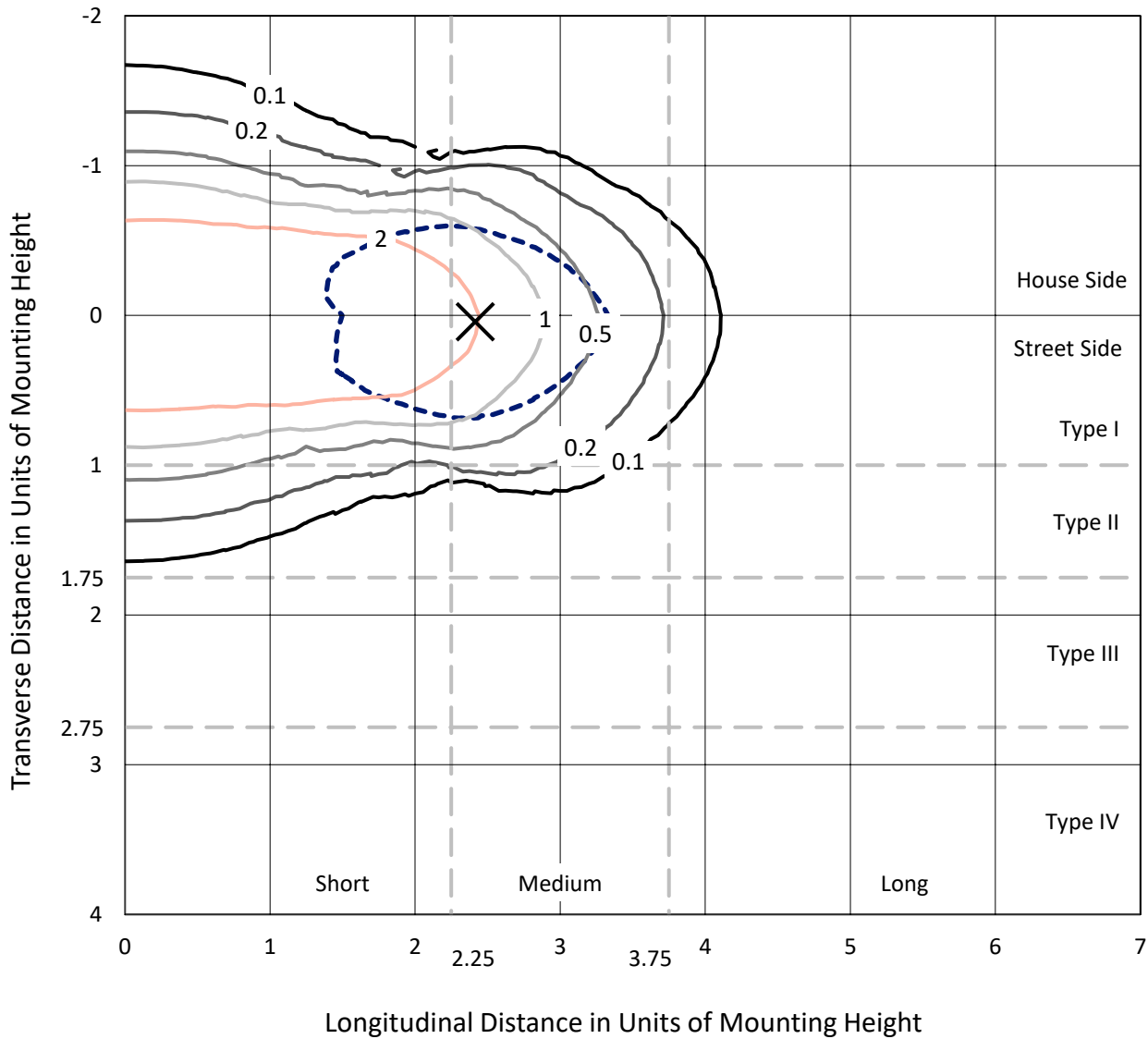
Lumens per Lamp: N/A  
Luminaire Lumens: 10728 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

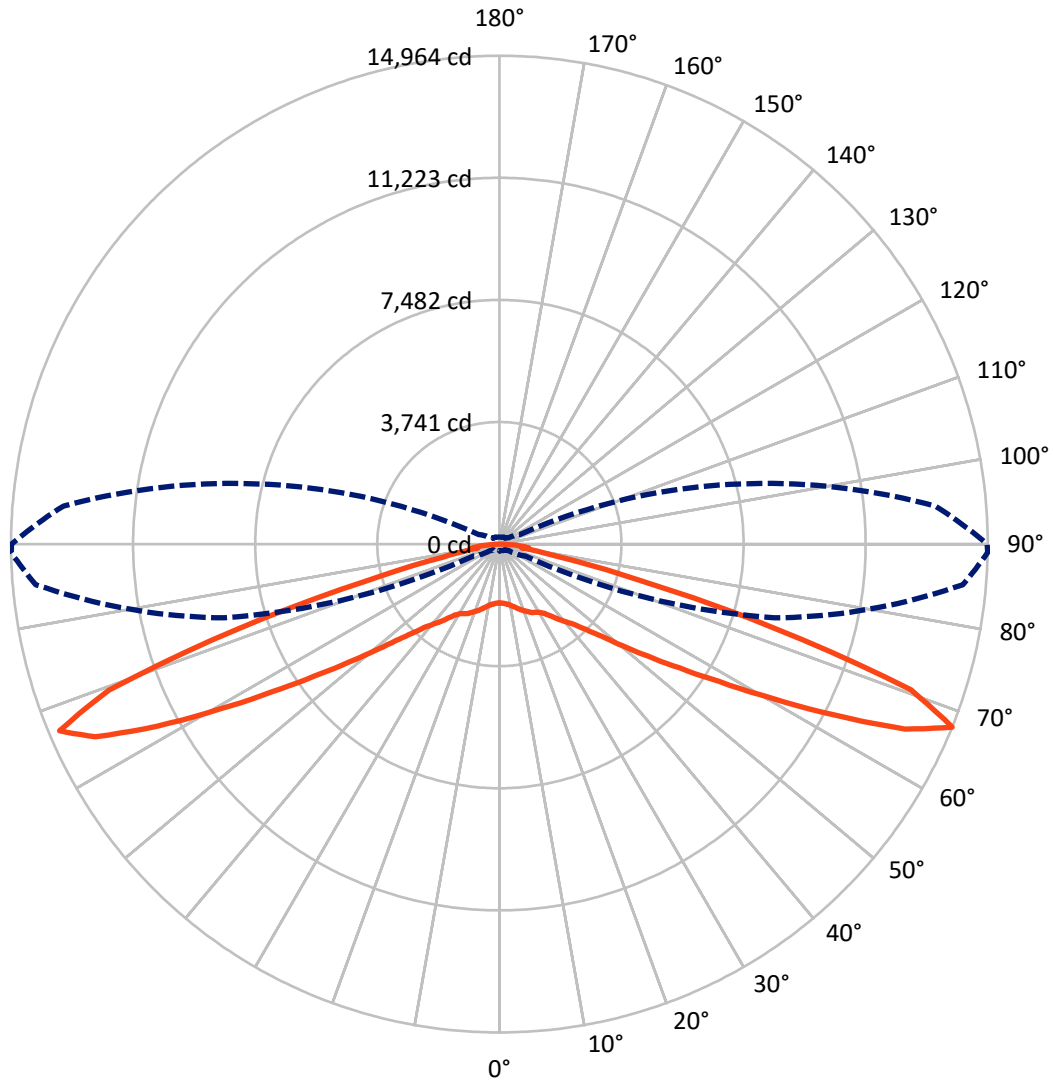
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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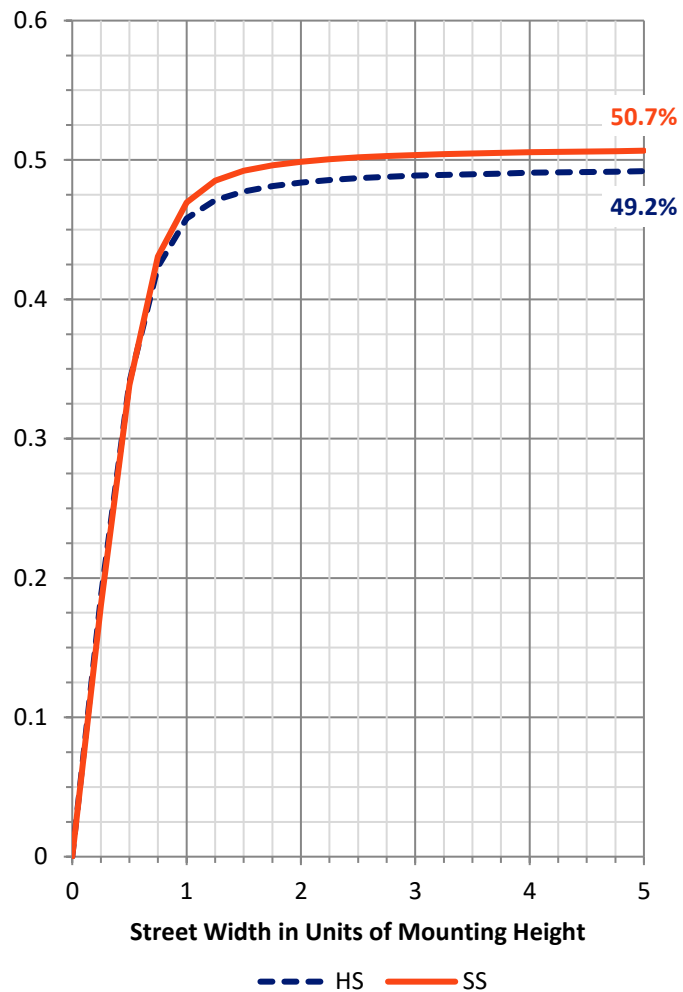
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5317.0	0.0	5317.0
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	5411.0	0.0	5411.0
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	10728.0	0.0	10728.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.6	1.7
10°-20°	588.1	5.5
20°-30°	994.2	9.3
30°-40°	1364.4	12.7
40°-50°	1739.9	16.2
50°-60°	2182.9	20.3
60°-70°	2632.8	24.5
70°-80°	952.5	8.9
80°-90°	92.6	0.9
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°	10728.0	100.0
0°-180°	10728.0	100.0

**Coefficient of Utilization**



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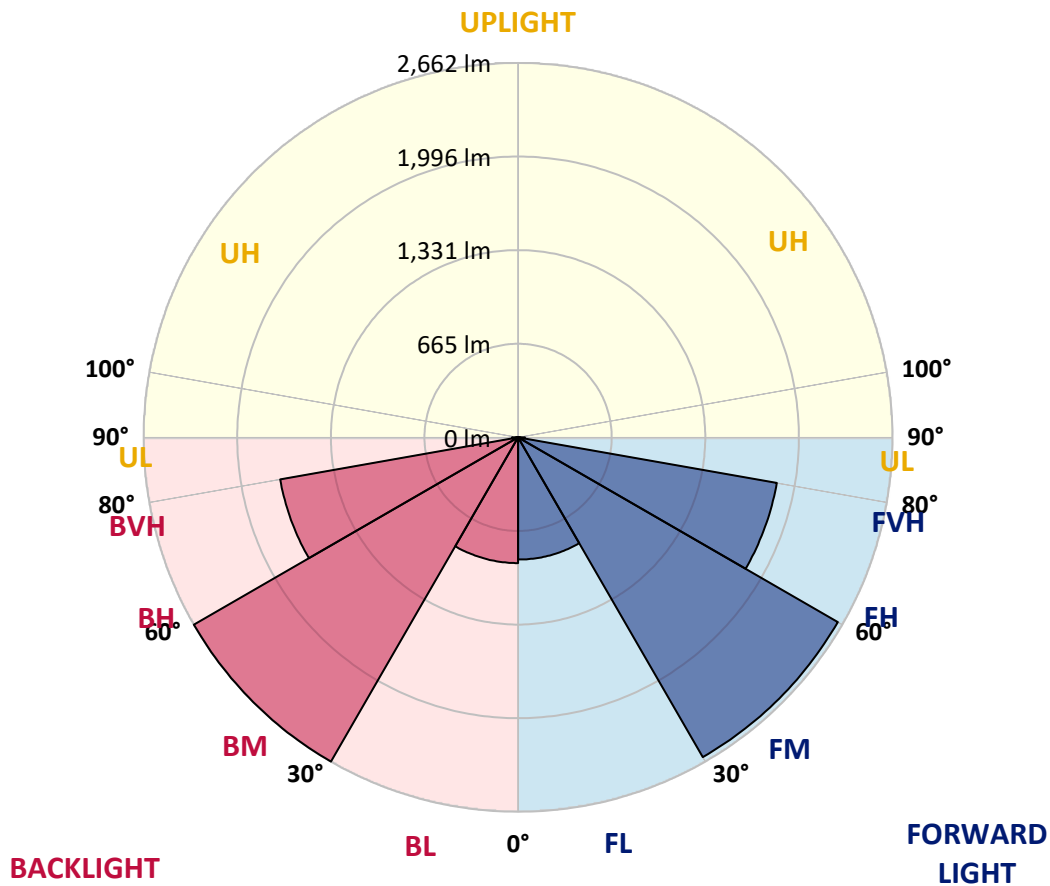
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	868.9	8.1			
FM (30°-60°)	2625.4	24.5			
FH (60°-80°)	1867.9	17.4			G2/5000
FVH (80°-90°)	48.9	0.5			G1/100
BL (0°-30°)	894.0	8.3	B2/1000		
BM (30°-60°)	2661.8	24.8	B3/5000		
BH (60°-80°)	1717.4	16.0	B3/2500		G3/2500
BVH (80°-90°)	43.8	0.4			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 I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6
2.5°	1806.0	1804.5	1800.6	1812.2	1809.9	1810.6	1815.2	1812.2	1806.8	1797.5	1810.6
5°	1856.9	1856.1	1847.6	1854.5	1846.8	1841.4	1840.7	1833.0	1826.8	1816.8	1830.7
7.5°	1906.2	1905.4	1898.5	1910.8	1904.6	1898.5	1891.5	1876.1	1861.5	1846.8	1862.2
10°	1943.9	1943.1	1941.6	1959.3	1960.9	1963.2	1960.1	1933.9	1908.5	1890.8	1906.2
12.5°	1965.5	1967.8	1971.7	2004.0	2020.2	2035.6	2039.5	2017.9	1975.5	1950.1	1968.6
15°	1950.9	1955.5	1974.7	2033.3	2078.0	2112.7	2127.3	2109.6	2054.9	2012.5	2033.3
17.5°	1880.7	1884.6	1922.3	2011.7	2110.3	2190.5	2214.4	2203.6	2142.7	2091.1	2111.1
20°	1783.7	1792.1	1833.0	1957.8	2104.9	2244.4	2308.4	2304.5	2238.2	2158.9	2182.8
22.5°	1695.8	1705.8	1749.0	1886.9	2068.7	2258.3	2403.1	2413.1	2325.3	2226.7	2245.9
25°	1597.2	1606.4	1661.9	1802.9	2006.3	2247.5	2484.0	2529.5	2423.9	2304.5	2322.2
27.5°	1496.3	1503.2	1557.9	1708.2	1924.7	2227.5	2548.0	2657.4	2521.0	2358.4	2370.8
30°	1407.7	1416.9	1467.0	1613.4	1835.3	2187.4	2600.4	2793.8	2632.7	2419.3	2429.3
32.5°	1322.1	1329.8	1384.5	1520.2	1740.5	2125.8	2647.4	2954.0	2798.4	2532.6	2532.6
35°	1214.3	1228.1	1289.8	1430.8	1651.1	2044.1	2681.3	3140.5	3024.9	2699.8	2700.5
37.5°	1114.9	1122.6	1187.3	1329.8	1557.1	1951.6	2684.3	3333.9	3311.5	2912.4	2913.9
40°	1001.6	1011.6	1081.0	1222.0	1449.3	1854.5	2655.1	3514.2	3612.0	3131.2	3122.7
42.5°	886.8	901.5	967.7	1105.6	1332.9	1735.9	2577.3	3686.0	3993.4	3384.7	3363.9
45°	775.9	785.1	851.4	981.6	1199.6	1594.1	2452.4	3850.9	4446.4	3770.0	3739.9
47.5°	651.1	654.9	723.5	848.3	1061.7	1436.2	2273.7	3998.0	4944.2	4280.0	4228.4
50°	540.1	545.5	599.4	706.5	893.0	1248.9	2051.0	4084.3	5578.3	4975.8	4886.4
52.5°	436.9	442.3	485.4	570.9	738.1	1035.5	1775.2	4064.3	6221.6	5839.5	5709.2
55°	352.9	356.7	386.0	453.0	580.9	823.6	1449.3	3884.8	6935.8	6967.4	6687.0
57.5°	298.2	299.7	319.7	360.6	453.8	634.9	1118.7	3461.0	7684.8	8406.7	7945.9
60°	266.6	267.4	276.6	302.0	358.3	484.6	819.8	2786.1	8460.6	10207.3	9575.5
62.5°	246.6	246.6	254.3	268.9	297.4	372.9	602.5	2000.9	9017.7	12166.6	11538.7
65°	227.3	227.3	232.7	245.0	260.4	304.3	452.3	1290.6	9291.2	13804.7	13665.2
67.5°	202.6	203.4	207.3	220.4	234.2	254.3	342.9	873.0	8723.4	14257.7	14963.5
70°	179.5	180.3	185.7	194.2	205.7	219.6	268.1	601.7	6349.5	11874.6	13379.4
72.5°	154.1	157.2	161.0	170.3	177.2	187.2	218.8	389.9	3694.4	7638.5	8844.3
75°	126.4	130.2	134.8	144.1	148.7	152.6	180.3	278.1	1777.5	3870.9	4407.9
77.5°	97.9	101.7	107.1	115.6	118.7	123.3	137.9	201.1	851.4	1715.9	1849.9
80°	65.5	67.0	71.7	81.7	87.1	90.1	101.7	137.1	369.8	688.8	682.6
82.5°	40.1	40.8	42.4	48.5	50.9	53.9	66.3	84.0	176.4	782.8	897.6
85°	14.6	13.9	13.1	17.0	20.0	23.1	30.8	42.4	77.0	537.8	601.7
87.5°	0.0	0.0	0.0	0.8	1.5	1.5	3.1	6.2	18.5	201.1	137.9
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°	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6
2.5°	1806.8	1798.3	1809.1	1816.8	1833.7	1839.9	1841.4	1836.1	1836.1	1826.8	1828.3
5°	1827.6	1822.2	1839.9	1853.0	1877.7	1886.9	1893.1	1889.2	1891.5	1885.4	1886.9
7.5°	1859.2	1854.5	1885.4	1910.8	1936.2	1947.0	1952.4	1949.3	1950.1	1942.4	1944.7
10°	1903.1	1904.6	1941.6	1974.7	2008.6	2019.4	2021.7	2012.5	2004.8	1990.9	1991.7
12.5°	1963.2	1970.9	2023.3	2060.3	2094.9	2110.3	2093.4	2059.5	2027.9	2004.0	2000.9
15°	2028.7	2042.5	2118.0	2165.0	2202.8	2195.1	2145.0	2068.7	2006.3	1970.9	1963.9
17.5°	2107.3	2128.1	2222.8	2279.1	2311.4	2262.1	2157.3	2043.3	1956.2	1908.5	1899.2
20°	2181.2	2214.4	2333.8	2407.0	2410.8	2299.9	2151.9	1991.7	1882.3	1823.7	1811.4
22.5°	2249.0	2291.4	2450.1	2543.3	2493.3	2316.8	2118.8	1918.5	1792.9	1724.3	1713.5
25°	2323.0	2383.1	2585.7	2672.8	2575.7	2309.9	2049.5	1827.6	1685.0	1614.9	1607.2
27.5°	2373.8	2449.4	2722.1	2805.3	2643.5	2270.6	1960.1	1728.2	1586.4	1520.2	1509.4
30°	2432.4	2528.7	2872.3	2949.4	2685.1	2212.8	1864.6	1635.7	1494.7	1423.1	1415.4
32.5°	2538.7	2659.7	3058.8	3101.9	2698.2	2141.2	1772.9	1546.4	1399.2	1327.5	1316.7
35°	2709.8	2851.5	3320.8	3272.2	2688.2	2062.6	1685.8	1441.6	1301.3	1234.3	1223.5
37.5°	2925.5	3101.9	3612.8	3425.5	2660.5	1976.3	1582.6	1353.7	1213.5	1145.7	1139.5
40°	3126.6	3343.9	3940.2	3558.1	2604.2	1870.0	1483.2	1262.0	1118.7	1047.1	1033.2
42.5°	3378.5	3667.5	4319.3	3672.9	2511.8	1742.8	1371.5	1148.8	1000.1	935.4	918.4
45°	3761.5	4120.5	4760.0	3783.0	2373.8	1586.4	1231.2	1010.9	869.9	803.6	790.5
47.5°	4239.2	4686.8	5237.7	3848.5	2164.3	1421.5	1072.5	865.2	724.2	649.5	643.3
50°	4910.3	5510.5	5750.1	3837.0	1930.0	1225.8	893.8	691.9	574.0	520.1	511.6
52.5°	5727.7	6544.4	6304.1	3698.3	1681.2	1003.2	696.5	543.2	455.4	416.8	409.9
55°	6753.2	7782.6	6887.3	3400.9	1366.8	768.2	547.0	428.4	368.3	345.2	342.1
57.5°	8023.0	9386.0	7449.0	2900.1	1027.8	586.3	421.5	353.6	325.1	311.3	310.5
60°	9698.8	11088.0	7936.7	2253.6	735.8	448.4	348.3	315.9	293.6	284.3	283.5
62.5°	11691.2	12633.5	8240.3	1534.8	553.2	357.5	306.7	286.6	273.5	268.1	267.4
65°	13739.2	13610.5	8095.4	1005.5	419.9	303.6	275.1	264.3	252.7	247.3	247.3
67.5°	14948.8	13404.0	6983.6	698.1	332.8	266.6	248.1	238.1	218.8	214.2	214.2
70°	13240.7	10861.4	4577.4	510.8	269.7	233.5	215.7	201.9	194.2	189.5	188.8
72.5°	8757.3	7067.6	2433.9	354.4	225.0	198.8	182.6	177.2	168.0	163.3	162.6
75°	4358.6	3712.2	1247.4	255.8	187.2	159.5	152.6	150.2	142.5	136.4	134.8
77.5°	1816.8	1652.7	581.7	185.7	142.5	128.7	122.5	122.5	114.0	107.1	104.0
80°	685.0	610.2	275.1	127.1	105.6	95.5	91.7	88.6	81.7	73.2	68.6
82.5°	916.1	598.7	134.8	79.4	69.3	61.6	56.2	53.9	50.1	46.2	43.1
85°	593.3	425.3	60.9	40.8	34.7	26.2	23.1	21.6	19.3	17.0	15.4
87.5°	121.0	142.5	18.5	7.7	4.6	2.3	2.3	0.8	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)