

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: P631929

Luminaire Tested: GWS-SA2B-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631929  
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-SA2B-760-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

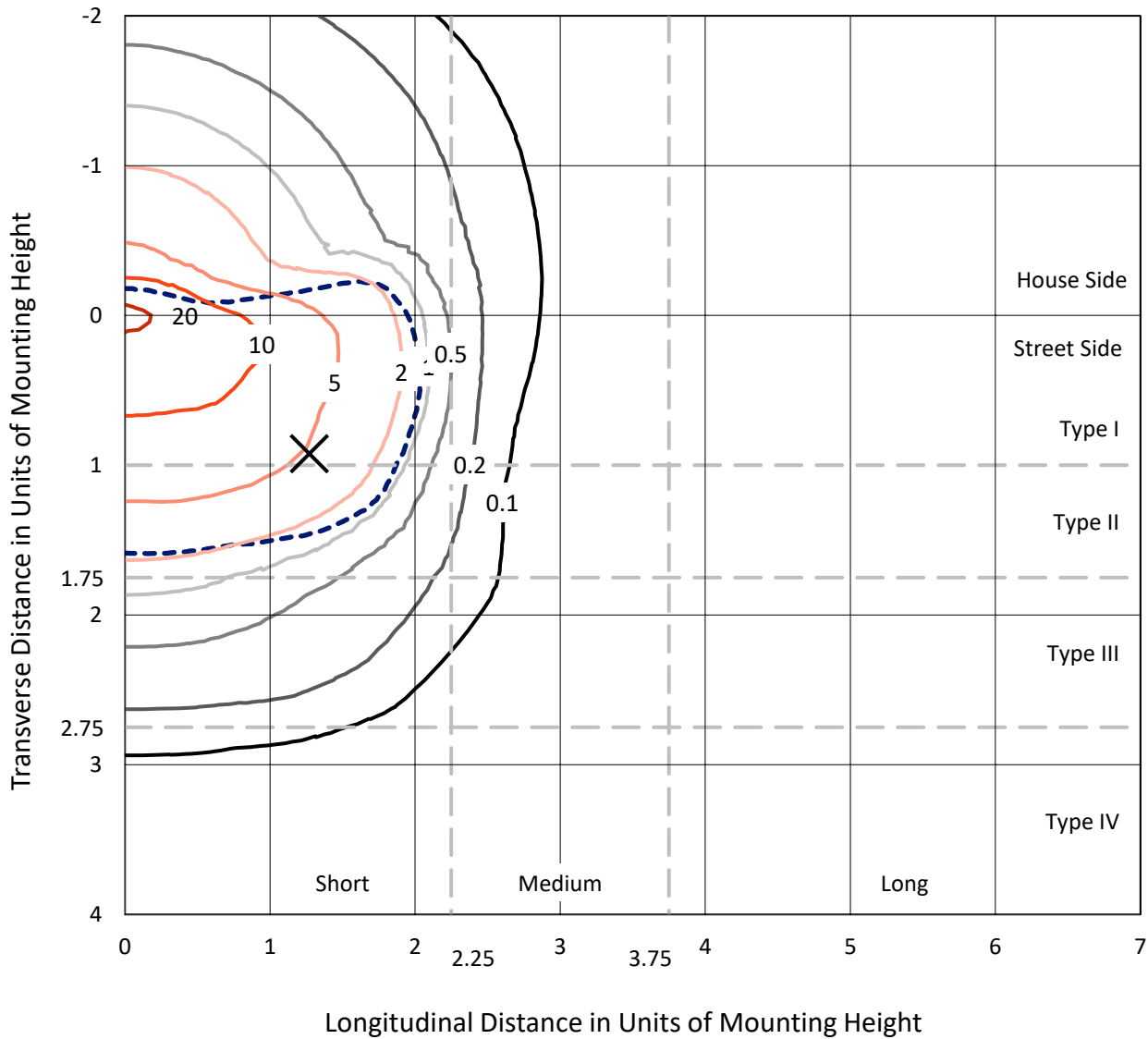
Lumens per Lamp: N/A  
Luminaire Lumens: 5830.8 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

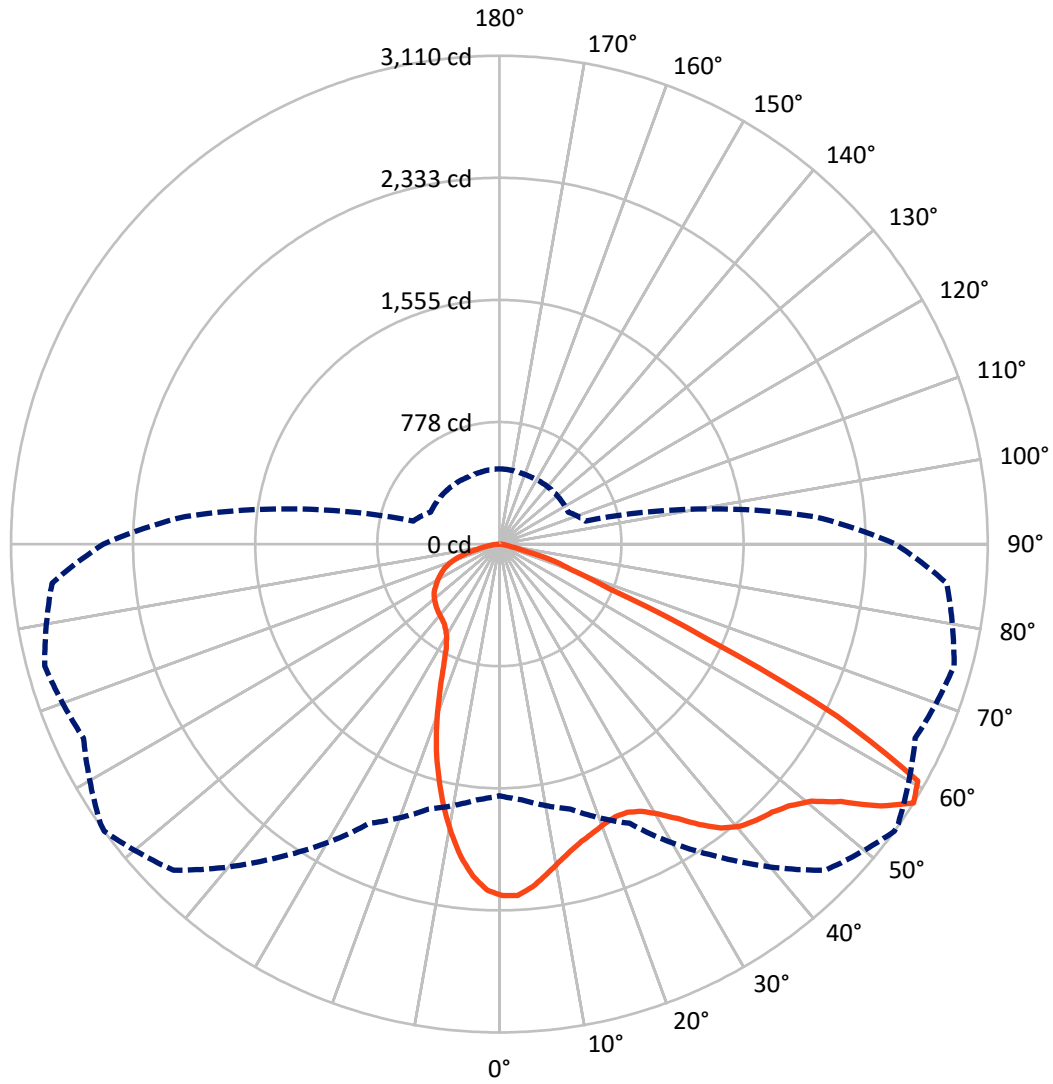
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.4 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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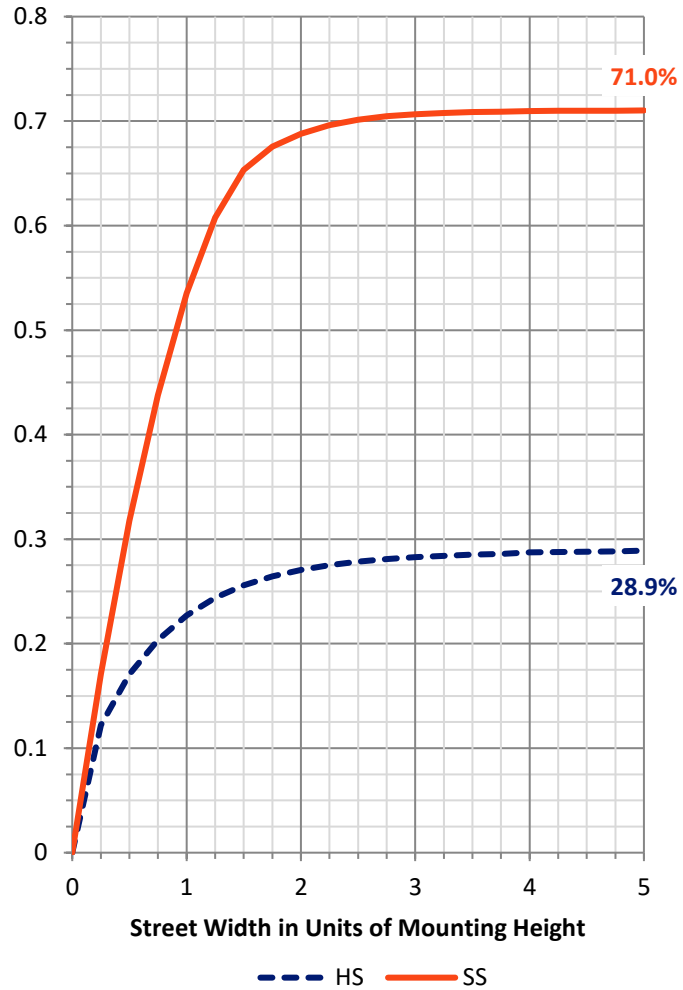
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1695.1	0.0	1695.1
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	4135.7	0.0	4135.7
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	5830.8	0.0	5830.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.8	3.4
10°-20°	469.5	8.1
20°-30°	649.7	11.1
30°-40°	902.8	15.5
40°-50°	1192.3	20.4
50°-60°	1416.9	24.3
60°-70°	785.0	13.5
70°-80°	195.5	3.4
80°-90°	22.2	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°	5830.8	100.0
0°-180°	5830.8	100.0

**Coefficient of Utilization**



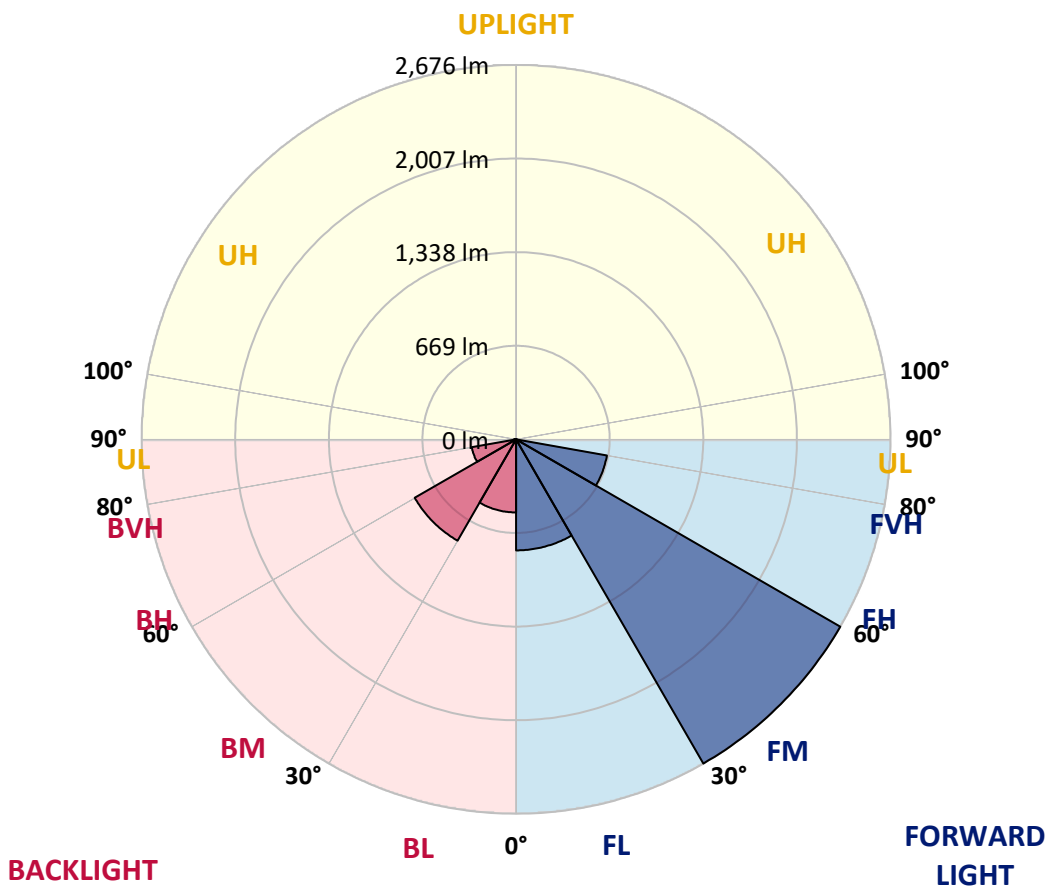
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.7	13.6			
FM (30°-60°)	2675.8	45.9			
FH (60°-80°)	659.2	11.3			G0/660
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	522.4	9.0	B2/1000		
BM (30°-60°)	836.2	14.3	B1/1000		
BH (60°-80°)	321.2	5.5	B1/500		G1/500
BVH (80°-90°)	15.3	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°	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6
2.5°	2196.7	2201.1	2204.1	2214.6	2223.6	2231.6	2240.1	2240.1	2239.6	2238.1	2235.1
5°	2109.8	2114.8	2121.8	2136.3	2155.7	2169.7	2192.7	2194.7	2204.6	2208.6	2206.6
7.5°	2009.0	2010.5	2019.5	2038.4	2069.4	2094.3	2127.3	2131.3	2155.2	2169.2	2166.7
10°	1898.7	1893.7	1909.7	1937.6	1978.0	2020.0	2062.4	2065.9	2104.3	2130.8	2128.8
12.5°	1797.8	1798.3	1814.3	1848.3	1898.7	1950.6	2007.5	2015.5	2062.9	2096.8	2093.3
15°	1713.5	1715.5	1735.0	1773.4	1830.8	1892.7	1963.6	1971.0	2030.9	2075.9	2065.9
17.5°	1646.1	1648.1	1665.1	1709.0	1770.4	1845.3	1931.6	1939.1	2013.5	2066.9	2046.4
20°	1599.7	1598.7	1615.2	1657.1	1720.5	1801.8	1903.7	1914.6	2008.0	2070.4	2033.4
22.5°	1580.7	1580.2	1592.2	1626.6	1686.0	1768.4	1886.7	1901.7	2014.0	2085.8	2025.5
25°	1590.2	1588.2	1598.7	1624.2	1671.6	1755.4	1891.7	1907.7	2039.4	2117.8	2026.9
27.5°	1619.7	1617.2	1626.1	1649.1	1685.0	1768.9	1926.6	1945.1	2093.3	2176.2	2046.9
30°	1664.6	1663.1	1672.1	1694.0	1725.5	1813.8	1993.5	2014.5	2176.7	2267.0	2090.3
32.5°	1717.0	1714.5	1730.5	1755.9	1792.4	1895.7	2083.3	2110.8	2275.5	2383.8	2163.2
35°	1775.9	1773.9	1795.9	1832.8	1885.2	2009.5	2192.2	2222.1	2376.3	2516.1	2260.0
37.5°	1833.3	1833.3	1875.7	1930.6	1996.5	2133.3	2294.5	2313.4	2446.2	2633.4	2363.9
40°	1884.2	1887.2	1951.1	2033.4	2117.3	2245.1	2361.9	2377.8	2477.2	2714.2	2454.2
42.5°	1940.6	1943.1	2017.5	2125.3	2225.1	2335.4	2402.8	2410.8	2483.1	2754.7	2518.1
45°	1985.5	1989.0	2081.4	2196.7	2318.9	2403.3	2435.2	2442.2	2491.6	2776.6	2564.5
47.5°	2009.0	2014.0	2119.8	2254.0	2382.3	2464.2	2488.6	2491.6	2526.6	2815.1	2620.4
50°	2005.0	2015.0	2134.3	2282.5	2429.2	2525.6	2574.5	2579.5	2597.9	2871.5	2685.8
52.5°	2040.4	2044.9	2165.2	2316.4	2496.1	2638.9	2723.7	2730.7	2722.2	2913.9	2724.7
55°	1981.5	2003.0	2126.8	2311.4	2597.9	2814.1	2944.8	2941.3	2835.0	2961.3	2789.6
57.5°	1602.7	1634.1	1747.4	1962.1	2430.2	2936.9	3110.0	3101.6	2922.4	2997.7	2860.0
60°	1109.6	1114.5	1216.9	1369.1	1875.7	2594.5	3061.6	3080.1	2938.4	2951.8	2729.7
62.5°	887.4	885.9	895.4	899.4	1192.9	1823.8	2416.8	2484.1	2441.2	2300.0	1934.6
65°	757.7	763.2	791.1	776.6	778.6	1027.2	1444.0	1453.5	1423.5	1372.6	1023.2
67.5°	593.0	602.4	651.9	708.3	690.3	661.3	749.2	744.7	587.0	454.2	375.3
70°	371.3	377.3	430.2	556.0	600.9	543.0	481.7	479.7	314.4	258.5	283.5
72.5°	216.6	217.6	232.6	310.0	398.8	371.3	354.4	341.4	202.1	206.1	226.1
75°	119.3	119.3	118.8	133.8	157.2	139.3	134.8	131.3	135.3	153.2	168.2
77.5°	25.0	25.5	27.0	35.4	45.9	55.9	70.4	70.9	88.3	102.3	114.3
80°	11.5	12.0	15.0	19.0	24.5	32.4	42.9	43.4	53.4	64.4	72.4
82.5°	6.0	6.5	8.0	10.0	13.0	17.0	24.0	24.0	31.9	37.9	42.9
85°	2.0	2.0	3.0	4.0	5.5	7.0	9.5	9.5	14.0	18.5	21.5
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.0	2.5	3.0	5.0
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°	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6	2238.6
2.5°	2228.6	2213.1	2213.6	2216.6	2207.1	2192.7	2183.2	2171.2	2163.7	2162.2	2167.7
5°	2196.7	2178.7	2166.2	2153.2	2126.3	2094.3	2069.4	2048.9	2035.4	2030.4	2024.5
7.5°	2152.7	2129.3	2097.8	2061.4	2012.5	1955.6	1915.6	1878.2	1852.3	1844.8	1841.3
10°	2108.8	2074.9	2019.0	1951.1	1869.7	1792.9	1720.5	1665.1	1621.2	1596.2	1604.2
12.5°	2063.4	2021.5	1934.1	1829.8	1716.5	1600.7	1505.9	1414.0	1343.1	1307.7	1297.2
15°	2023.5	1966.6	1844.8	1703.5	1552.8	1407.0	1269.8	1132.0	1042.2	993.3	979.8
17.5°	1989.5	1915.6	1750.4	1574.7	1394.6	1186.9	1018.2	890.4	829.0	802.1	800.1
20°	1956.1	1865.7	1657.1	1436.0	1211.9	979.3	828.5	768.7	746.7	737.2	736.7
22.5°	1926.1	1813.3	1558.8	1297.2	1030.2	823.1	740.2	714.2	708.3	708.3	707.3
25°	1900.7	1760.9	1457.9	1150.0	866.0	732.7	694.3	683.3	685.8	690.3	690.8
27.5°	1890.2	1720.0	1360.6	998.7	752.7	680.3	662.8	661.3	668.3	675.3	676.3
30°	1901.2	1692.0	1260.8	854.0	684.8	648.4	640.4	643.4	651.9	658.8	658.8
32.5°	1935.1	1678.1	1159.0	748.2	645.4	625.9	623.4	626.4	632.9	636.9	637.4
35°	1992.5	1683.5	1053.7	676.8	619.9	609.4	608.9	610.9	613.4	615.9	616.4
37.5°	2064.9	1708.0	940.9	635.4	603.4	597.5	596.5	596.0	596.5	596.5	597.0
40°	2135.8	1744.9	840.0	610.9	592.0	587.0	584.5	581.0	580.5	579.5	579.0
42.5°	2188.2	1773.4	759.7	593.5	581.5	575.5	572.5	567.0	566.5	566.0	565.5
45°	2227.6	1797.3	692.8	576.5	570.5	565.0	558.5	553.5	554.5	555.5	555.5
47.5°	2272.0	1818.3	643.9	560.5	557.0	551.5	543.5	540.1	543.5	547.0	547.0
50°	2325.9	1847.8	603.9	544.5	543.0	536.6	529.6	528.1	532.1	537.1	537.1
52.5°	2365.4	1873.2	575.5	528.6	528.6	520.1	514.1	513.6	518.1	523.1	523.6
55°	2439.2	1932.6	565.5	510.1	508.1	501.6	497.1	493.6	499.1	503.6	503.6
57.5°	2522.6	2011.5	568.0	483.7	481.2	479.2	475.7	471.7	473.2	478.2	478.7
60°	2345.9	1858.7	540.6	457.2	455.7	454.7	450.2	443.2	445.2	449.2	449.7
62.5°	1638.6	1235.3	437.2	424.3	429.2	428.7	422.8	414.8	415.3	420.8	420.8
65°	850.5	668.3	383.8	394.3	401.8	398.8	388.8	381.8	380.8	387.8	386.3
67.5°	366.9	364.9	349.4	362.9	370.9	364.4	353.9	342.4	343.4	345.9	343.9
70°	295.5	304.5	311.0	325.4	331.9	319.9	308.5	302.0	296.5	296.0	292.5
72.5°	236.1	248.6	263.0	278.0	280.0	268.0	253.6	247.6	239.1	238.6	235.1
75°	177.7	188.2	199.7	211.6	211.6	200.1	190.7	187.7	177.7	174.7	171.7
77.5°	121.3	127.8	136.8	139.8	142.7	138.3	128.8	123.8	112.3	109.3	105.3
80°	76.4	80.9	86.3	88.3	91.3	85.8	78.4	72.9	64.9	62.4	60.4
82.5°	45.9	48.9	52.4	53.4	55.9	51.9	44.9	40.9	36.4	34.4	32.9
85°	23.5	25.0	27.0	27.5	27.0	23.0	20.5	18.5	15.5	15.0	14.0
87.5°	6.0	7.0	7.5	7.0	6.5	5.0	3.5	2.5	1.0	1.0	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)