

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: P631925

Luminaire Tested: GWS-SA2B-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631925  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-760-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

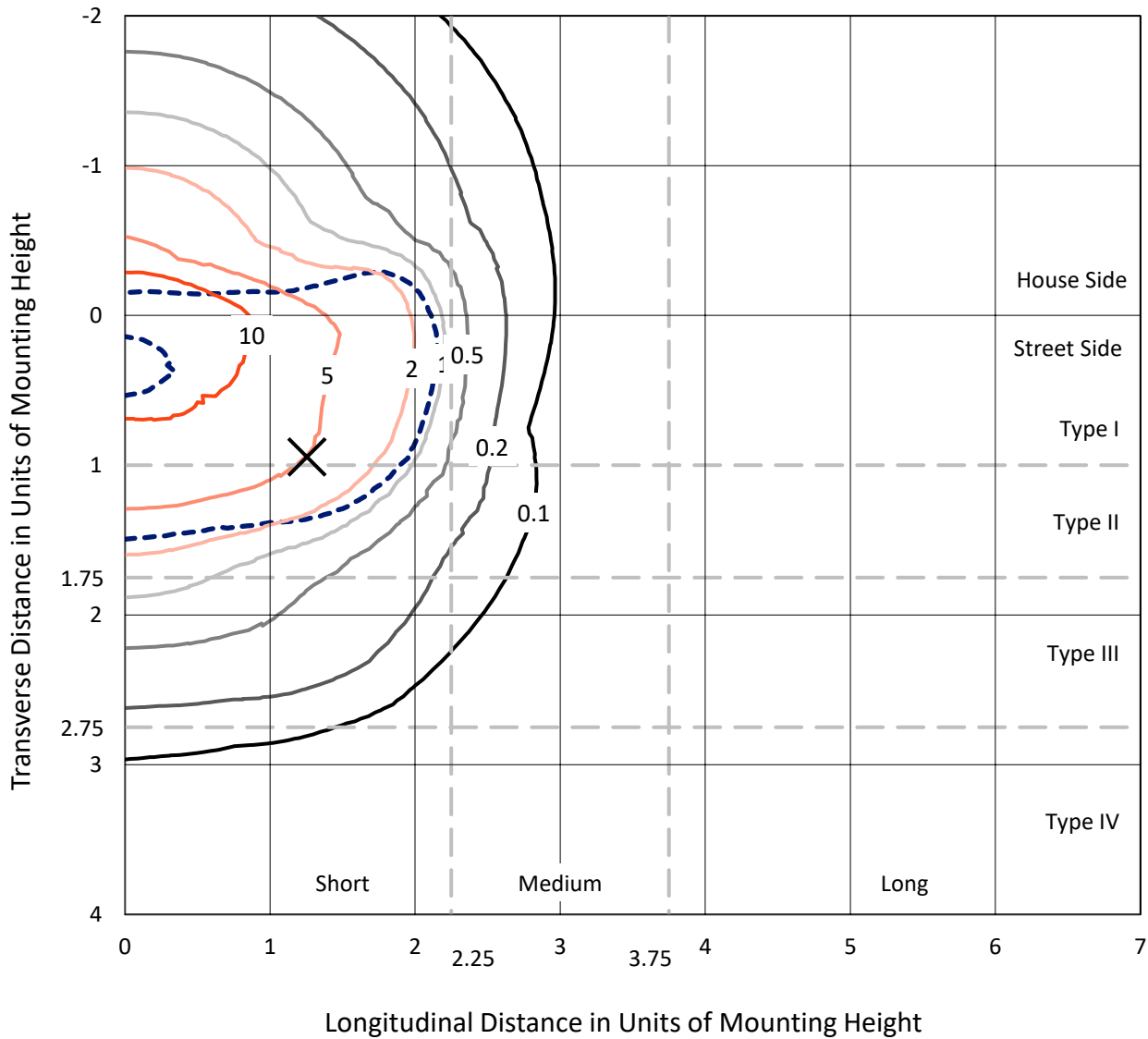
Lumens per Lamp: N/A  
Luminaire Lumens: 5930.2 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

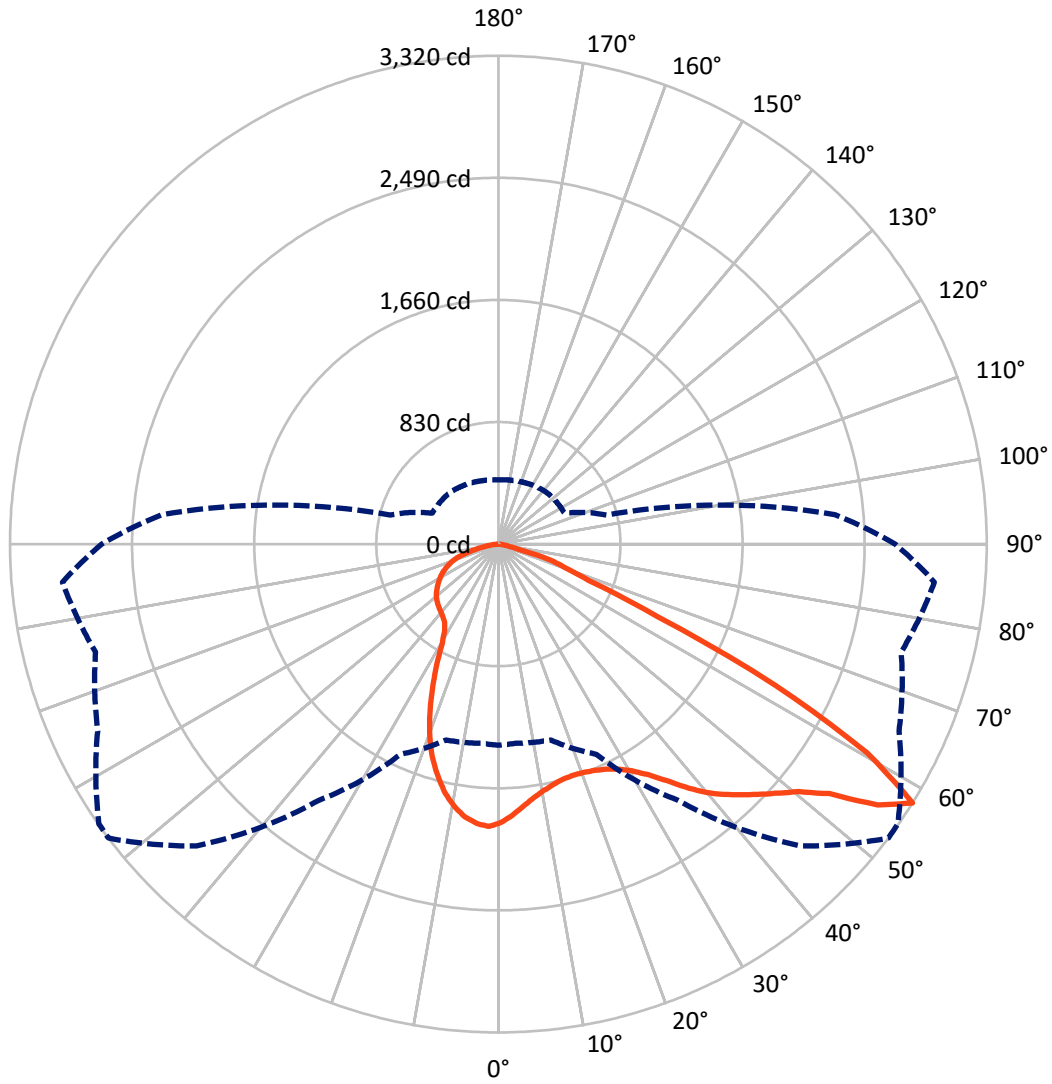
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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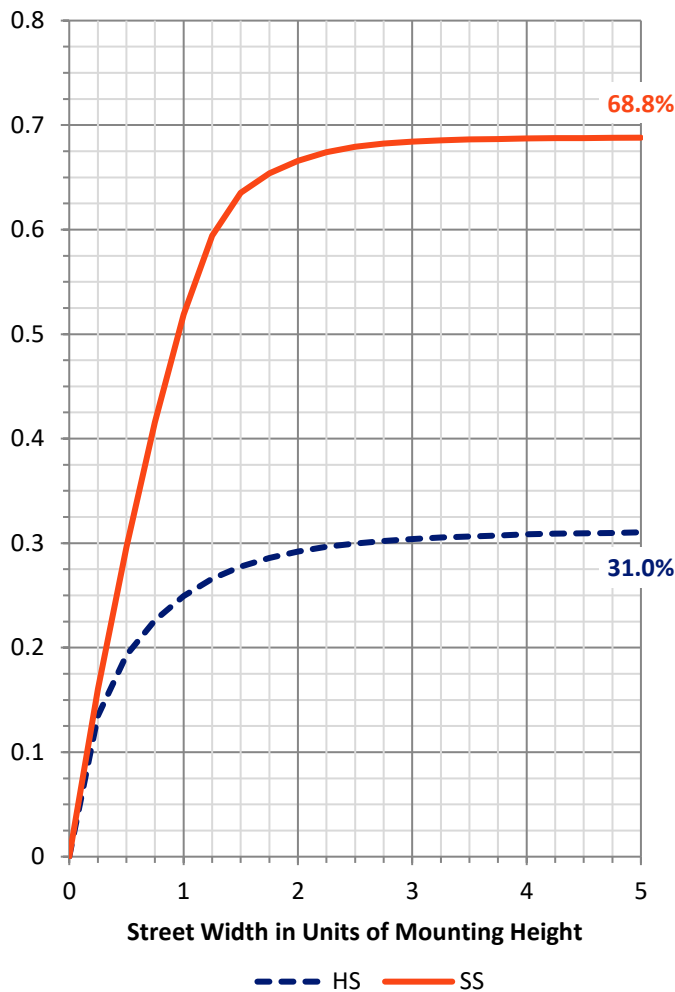
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1854.2	0.0	1854.2
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	4076.1	0.0	4076.1
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	5930.2	0.0	5930.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.2	2.9
10°-20°	449.3	7.6
20°-30°	661.9	11.2
30°-40°	926.5	15.6
40°-50°	1218.0	20.5
50°-60°	1428.1	24.1
60°-70°	841.3	14.2
70°-80°	209.3	3.5
80°-90°	24.6	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°	5930.2	100.0
0°-180°	5930.2	100.0

**Coefficient of Utilization**



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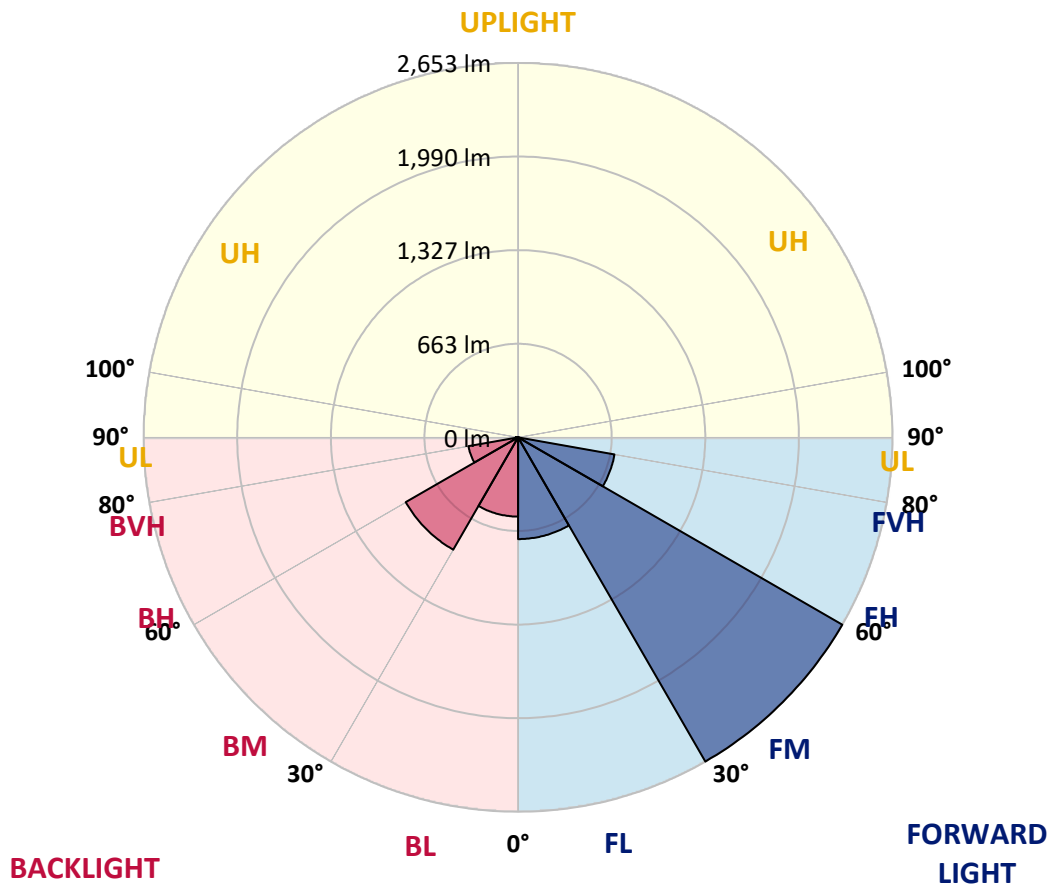
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.0	12.2			
FM (30°-60°)	2653.2	44.7			
FH (60°-80°)	693.6	11.7			G1/1800
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	561.4	9.5	B2/1000		
BM (30°-60°)	919.4	15.5	B1/1000		
BH (60°-80°)	357.0	6.0	B1/500		G1/500
BVH (80°-90°)	16.3	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°	53°	55°	65°	75°	85°
0°	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7
2.5°	1784.9	1789.9	1790.9	1806.3	1807.3	1829.8	1844.8	1841.8	1857.2	1876.2	1891.2
5°	1699.5	1700.0	1705.0	1723.5	1733.5	1762.9	1787.9	1787.9	1817.8	1856.7	1890.2
7.5°	1629.1	1628.6	1633.1	1653.6	1670.1	1705.5	1739.4	1743.4	1785.4	1842.3	1896.7
10°	1563.8	1567.2	1572.2	1597.2	1618.2	1662.1	1702.5	1709.0	1761.9	1832.3	1905.7
12.5°	1521.8	1522.3	1529.8	1557.8	1584.7	1631.6	1674.1	1682.0	1742.9	1822.8	1912.1
15°	1494.9	1495.4	1503.4	1534.3	1565.7	1613.2	1656.6	1665.6	1732.0	1821.3	1924.6
17.5°	1482.9	1482.4	1489.9	1520.8	1555.3	1604.7	1651.1	1662.1	1736.9	1832.8	1946.6
20°	1482.9	1483.4	1487.4	1515.3	1550.3	1602.7	1656.6	1670.1	1756.4	1858.7	1980.5
22.5°	1503.9	1505.9	1507.9	1526.8	1554.3	1605.7	1671.1	1689.0	1798.3	1902.2	2024.9
25°	1544.8	1545.3	1547.3	1562.8	1575.2	1614.2	1695.0	1722.0	1863.7	1965.5	2080.8
27.5°	1599.7	1606.7	1608.7	1618.7	1618.7	1635.1	1732.5	1771.4	1952.1	2056.9	2152.2
30°	1676.6	1679.1	1682.5	1693.5	1681.5	1674.6	1787.4	1837.3	2054.4	2167.2	2238.1
32.5°	1743.9	1749.4	1768.4	1786.4	1764.9	1742.9	1868.2	1927.1	2152.7	2282.0	2329.4
35°	1801.3	1814.8	1851.2	1891.2	1876.2	1854.2	1975.5	2036.9	2233.6	2364.3	2410.3
37.5°	1870.7	1881.2	1931.1	1996.0	2009.5	1999.0	2106.3	2150.2	2287.5	2385.3	2454.2
40°	1941.1	1957.1	2021.4	2111.3	2162.7	2170.2	2227.1	2256.5	2305.9	2344.4	2445.7
42.5°	2013.0	2040.4	2128.8	2233.6	2324.9	2341.9	2328.9	2341.4	2300.0	2288.0	2406.3
45°	2100.8	2133.3	2233.1	2366.8	2487.1	2513.6	2428.7	2417.3	2299.0	2266.5	2381.8
47.5°	2204.6	2237.1	2332.4	2488.1	2641.9	2661.3	2531.1	2510.1	2333.9	2299.5	2414.8
50°	2296.5	2318.9	2404.3	2578.5	2786.1	2797.6	2643.9	2618.4	2420.7	2390.8	2517.6
52.5°	2203.1	2200.6	2290.5	2505.1	2861.0	2999.2	2817.5	2793.1	2588.5	2542.5	2676.8
55°	1869.2	1840.8	1921.1	2132.3	2651.8	3178.4	3129.0	3080.1	2812.1	2695.3	2826.0
57.5°	1366.6	1358.6	1378.1	1576.2	2124.3	2900.9	3319.7	3315.2	3005.2	2835.0	2974.8
60°	1068.6	1056.6	1004.7	1010.2	1448.0	2266.0	2880.9	3013.2	3125.0	2918.9	3078.6
62.5°	948.8	939.8	912.9	838.5	862.5	1519.3	2111.8	2233.1	2730.7	2578.0	2644.4
65°	785.6	783.1	805.6	802.6	722.7	839.0	1191.9	1314.2	1717.0	1738.4	1717.0
67.5°	571.0	566.5	623.4	735.7	695.8	633.4	664.3	706.8	880.5	790.6	711.7
70°	371.3	364.9	397.8	531.6	622.9	552.0	478.7	471.7	484.1	301.0	325.4
72.5°	249.1	241.6	241.1	292.5	376.3	371.8	370.8	367.4	327.9	237.6	263.5
75°	138.8	132.8	131.3	126.3	134.8	137.3	146.2	151.2	163.7	180.2	199.6
77.5°	23.5	23.0	28.9	36.9	50.9	65.4	80.9	85.4	105.3	124.8	137.3
80°	13.0	13.5	17.5	21.5	28.5	38.9	49.9	52.9	64.9	75.4	85.4
82.5°	7.0	7.0	9.0	11.5	15.5	20.5	27.0	29.4	37.4	43.9	50.9
85°	2.5	2.5	3.5	4.5	6.5	8.5	10.5	12.0	16.5	22.5	25.5
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.0	2.5	4.5	6.5
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°	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7
2.5°	1903.7	1890.2	1908.6	1917.1	1920.1	1922.1	1909.1	1900.2	1897.2	1887.7	1882.2
5°	1910.6	1901.7	1919.1	1919.1	1906.7	1893.7	1867.2	1848.8	1835.8	1820.3	1817.8
7.5°	1922.6	1916.1	1925.6	1906.2	1874.7	1839.8	1793.8	1757.9	1729.0	1710.0	1710.5
10°	1938.6	1930.6	1923.1	1879.7	1822.3	1757.9	1687.5	1635.1	1587.2	1565.3	1553.3
12.5°	1949.1	1937.6	1906.2	1834.3	1749.9	1663.6	1564.3	1486.4	1417.0	1385.6	1383.1
15°	1962.1	1941.1	1878.2	1775.4	1658.1	1540.3	1412.5	1304.2	1210.4	1161.5	1159.0
17.5°	1979.0	1944.6	1844.8	1708.0	1561.3	1387.6	1226.8	1090.6	990.8	952.8	959.3
20°	2003.0	1948.6	1806.8	1633.1	1441.0	1213.9	1013.7	888.4	850.0	847.5	842.5
22.5°	2029.9	1951.1	1764.9	1549.3	1295.2	1028.7	837.5	784.1	783.6	796.1	799.1
25°	2060.4	1953.1	1717.5	1451.5	1137.5	844.0	740.7	724.7	737.2	760.7	763.7
27.5°	2099.3	1957.1	1660.1	1344.1	969.8	729.2	687.3	683.3	698.3	720.2	719.2
30°	2156.7	1971.5	1599.2	1220.9	797.6	674.8	654.8	655.3	661.3	671.8	673.3
32.5°	2215.1	1994.0	1539.8	1082.1	698.8	643.9	634.9	633.9	633.9	638.4	639.4
35°	2270.5	2019.5	1475.4	937.4	650.9	625.9	619.9	616.9	615.4	614.4	612.9
37.5°	2301.5	2031.9	1412.5	794.6	625.4	613.9	607.9	603.9	598.4	594.5	593.5
40°	2288.0	2017.5	1339.6	687.8	609.9	602.4	595.5	590.0	582.5	579.0	577.0
42.5°	2243.1	1972.5	1260.3	637.4	597.5	590.0	581.5	572.5	567.5	564.5	564.0
45°	2195.6	1918.1	1164.5	607.9	585.5	576.5	566.5	556.5	551.0	549.5	549.0
47.5°	2194.1	1891.2	1062.6	584.5	571.0	562.0	549.5	539.6	533.6	531.6	529.6
50°	2260.0	1918.6	947.8	564.0	556.0	546.5	532.6	521.6	514.1	511.6	511.1
52.5°	2396.8	2021.9	845.0	543.5	536.1	525.1	513.6	502.6	493.6	489.1	488.6
55°	2544.5	2153.2	781.1	522.6	512.6	503.1	492.6	480.7	470.7	463.7	462.7
57.5°	2697.3	2296.5	761.7	496.1	488.6	482.2	469.7	456.7	445.2	438.7	437.2
60°	2823.0	2419.7	798.1	468.2	464.2	455.7	444.2	431.7	423.8	418.8	417.8
62.5°	2363.3	1970.0	644.4	437.7	437.7	428.7	415.8	406.8	401.3	397.8	396.8
65°	1499.9	1219.9	439.7	407.3	406.8	394.8	383.8	377.8	375.3	369.9	368.9
67.5°	653.4	557.5	375.8	376.3	374.3	361.4	350.4	345.9	340.9	334.9	334.4
70°	338.9	345.4	336.4	341.9	338.4	322.9	312.5	305.5	295.0	289.0	289.5
72.5°	273.5	280.5	290.5	299.0	291.5	279.0	262.5	254.1	240.6	234.1	234.6
75°	208.6	216.1	225.6	234.6	228.6	213.1	202.6	194.2	178.7	171.2	172.7
77.5°	143.7	147.7	159.2	158.7	156.7	152.2	136.8	126.8	110.8	101.8	102.8
80°	89.3	91.8	97.3	99.8	98.8	92.8	80.4	72.9	63.4	57.9	58.4
82.5°	53.9	55.4	60.4	60.9	60.4	55.9	46.4	40.9	34.9	31.9	31.9
85°	27.5	28.5	31.4	31.4	28.5	24.0	21.5	19.0	15.5	14.0	14.0
87.5°	7.5	7.5	9.5	8.0	6.5	6.0	3.0	2.5	1.0	0.5	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)