

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: P631931

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

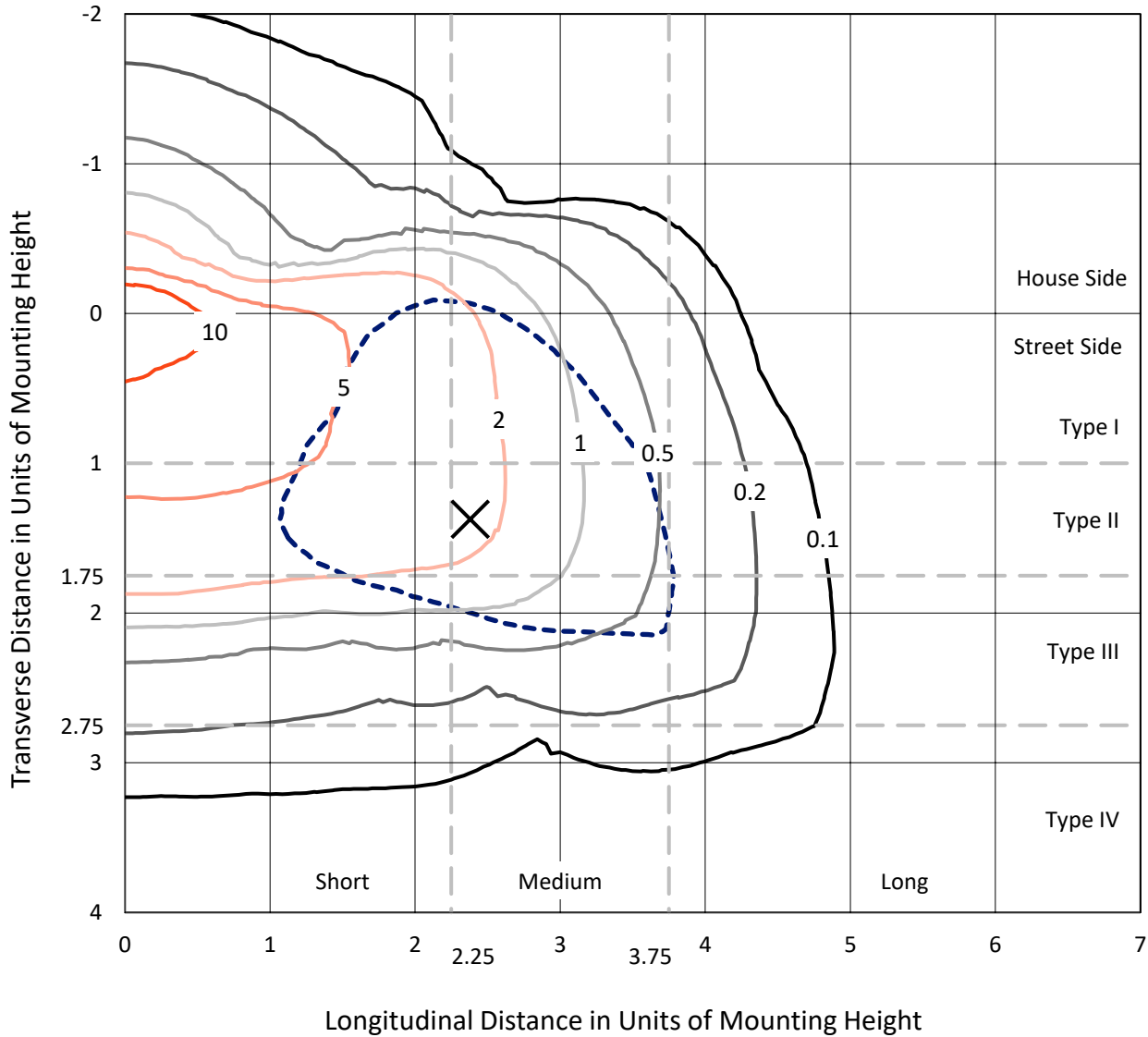
Lumens per Lamp: N/A  
Luminaire Lumens: 6822.1 lumens  
Efficiency: N/A  
Efficacy: 147.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): 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

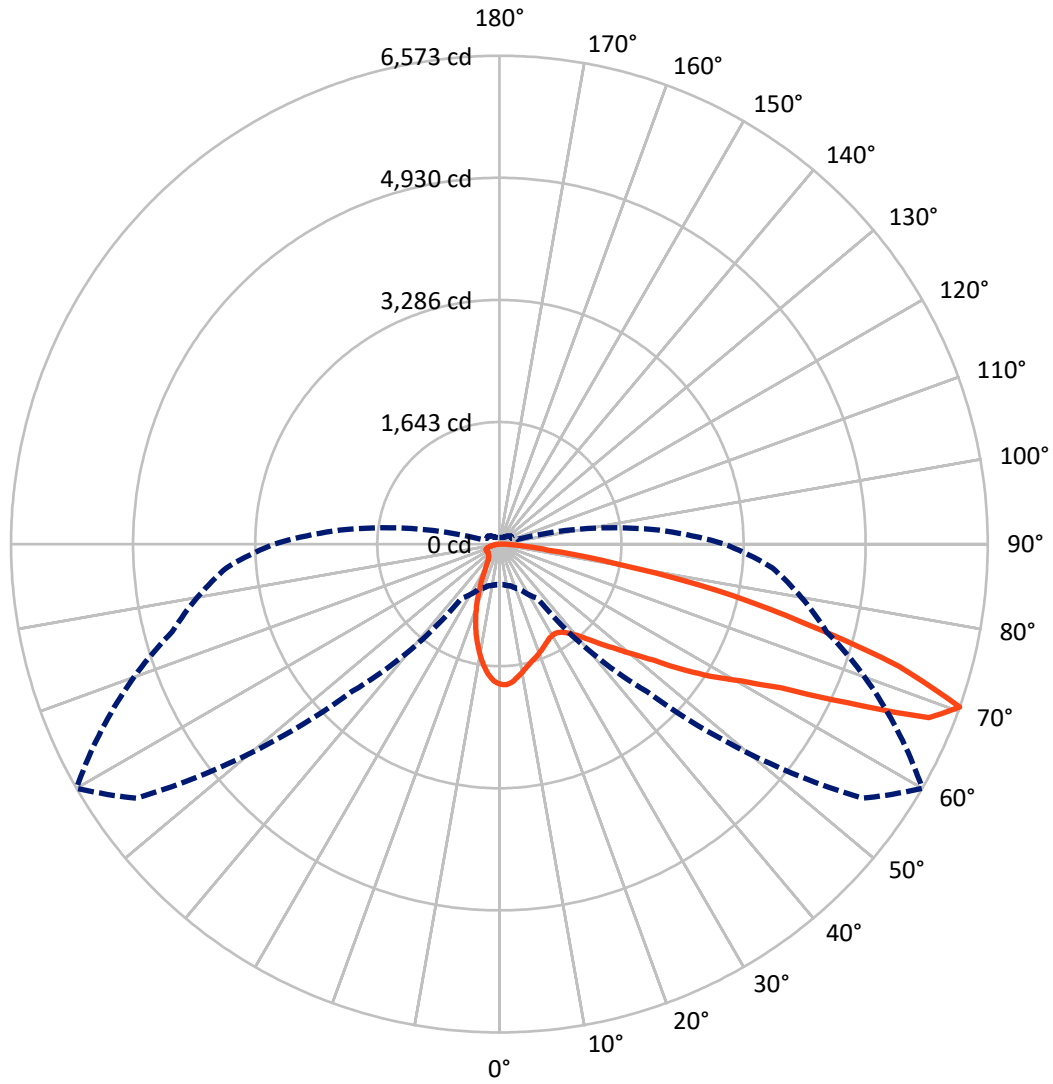
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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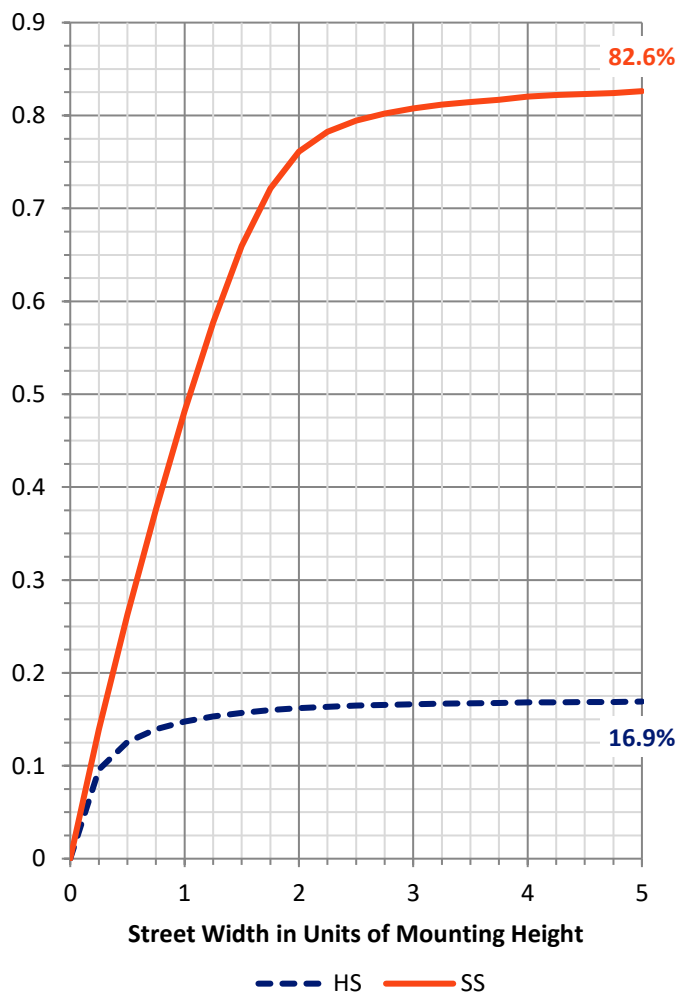
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1166.7	0.0	1166.7
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	5655.4	0.0	5655.4
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	6822.1	0.0	6822.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.7	2.4
10°-20°	364.5	5.3
20°-30°	466.9	6.8
30°-40°	613.6	9.0
40°-50°	890.2	13.0
50°-60°	1388.9	20.4
60°-70°	1818.3	26.7
70°-80°	1005.5	14.7
80°-90°	111.6	1.6
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°	6822.1	100.0
0°-180°	6822.1	100.0

**Coefficient of Utilization**



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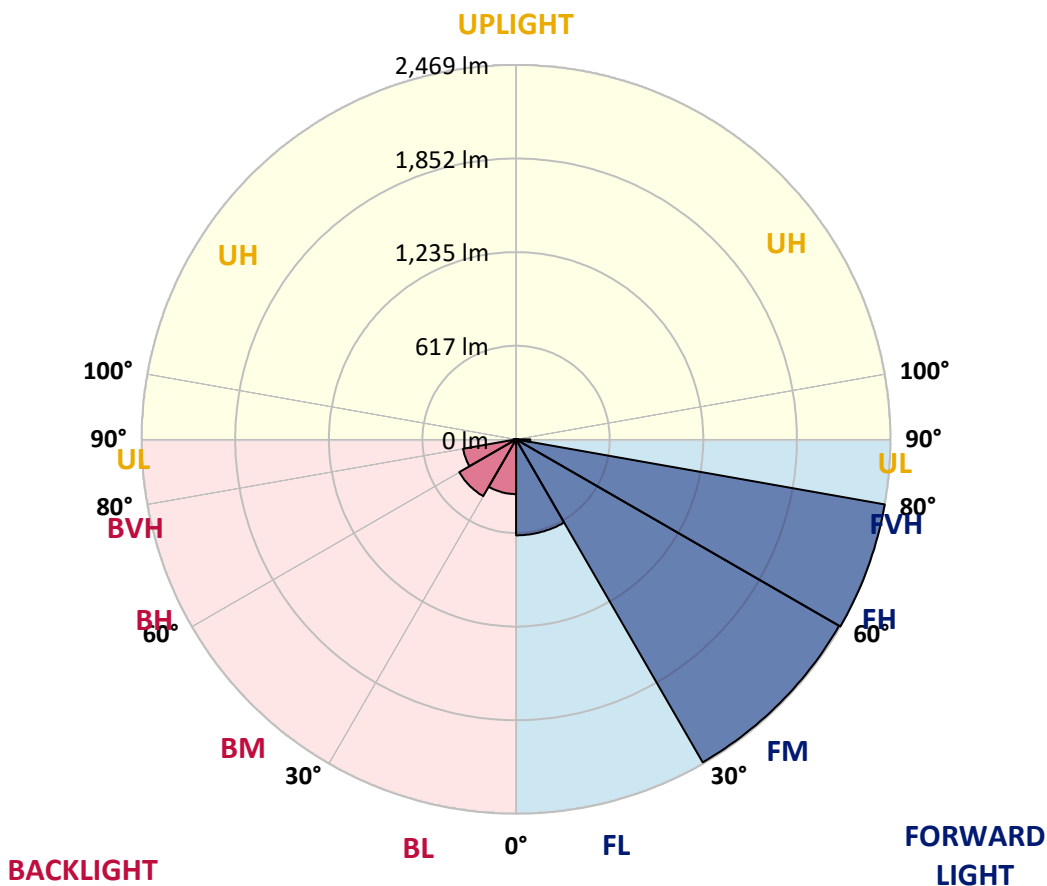
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.1	9.3			
FM (30°-60°)	2460.0	36.1			
FH (60°-80°)	2469.2	36.2			G2/5000
FVH (80°-90°)	93.0	1.4			G1/100
BL (0°-30°)	361.0	5.3	B1/500		
BM (30°-60°)	432.6	6.3	B1/1000		
BH (60°-80°)	354.6	5.2	B1/500		G1/500
BVH (80°-90°)	18.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8
2.5°	1861.3	1863.3	1868.8	1876.8	1884.8	1888.8	1898.7	1895.7	1893.8	1889.8	1884.8
5°	1778.9	1782.9	1787.9	1803.4	1820.9	1834.9	1857.3	1859.8	1860.8	1862.8	1854.8
7.5°	1674.1	1675.1	1687.1	1707.6	1730.5	1754.5	1791.9	1802.4	1811.4	1821.4	1814.9
10°	1558.3	1560.8	1569.8	1599.3	1638.7	1674.1	1724.5	1742.0	1761.0	1782.9	1774.0
12.5°	1463.5	1464.0	1478.5	1509.9	1552.8	1600.8	1663.6	1684.6	1709.6	1744.0	1736.0
15°	1388.1	1388.1	1401.6	1428.6	1478.0	1534.4	1609.2	1636.2	1670.1	1716.6	1702.6
17.5°	1328.2	1328.7	1337.2	1365.7	1409.6	1472.0	1560.8	1597.3	1634.7	1696.1	1675.1
20°	1296.8	1294.3	1295.8	1313.2	1350.7	1411.1	1512.4	1554.8	1605.2	1682.1	1650.2
22.5°	1295.3	1290.8	1284.3	1285.8	1307.8	1357.7	1460.5	1511.9	1575.3	1670.6	1624.7
25°	1320.7	1315.7	1304.3	1291.3	1289.3	1319.2	1411.6	1470.0	1544.4	1665.6	1600.3
27.5°	1363.7	1360.2	1345.2	1325.7	1305.3	1304.3	1374.6	1435.5	1521.9	1670.6	1582.8
30°	1420.6	1414.6	1405.1	1380.1	1349.2	1317.2	1360.2	1417.1	1506.9	1686.6	1575.3
32.5°	1485.0	1481.5	1472.5	1447.5	1414.6	1363.7	1371.6	1421.1	1506.9	1714.6	1576.8
35°	1553.3	1552.8	1552.8	1536.4	1499.9	1436.5	1417.1	1455.0	1529.9	1759.5	1592.8
37.5°	1619.7	1619.2	1635.2	1641.2	1599.8	1531.4	1494.4	1522.9	1580.3	1825.9	1632.2
40°	1673.6	1675.6	1710.6	1740.5	1717.6	1654.2	1602.3	1616.7	1662.2	1920.2	1701.1
42.5°	1728.0	1733.5	1785.9	1838.8	1847.8	1792.9	1740.5	1749.0	1779.4	2045.0	1803.9
45°	1787.4	1789.9	1863.3	1937.2	1980.6	1948.2	1905.2	1916.7	1923.7	2199.2	1957.1
47.5°	1844.8	1851.3	1946.2	2047.5	2129.8	2126.9	2102.9	2099.4	2100.9	2386.9	2138.3
50°	1923.2	1932.7	2044.0	2166.3	2287.1	2342.5	2349.5	2323.0	2312.0	2595.5	2363.9
52.5°	2071.9	2071.9	2171.8	2292.1	2454.3	2591.6	2638.5	2595.1	2560.1	2816.2	2603.5
55°	2258.1	2266.1	2345.5	2442.8	2648.5	2853.6	3012.3	2964.4	2865.6	3056.3	2854.6
57.5°	2341.0	2351.0	2476.8	2628.0	2902.5	3151.6	3371.7	3354.7	3210.5	3305.8	3115.2
60°	2191.2	2212.2	2385.4	2639.0	3132.6	3632.3	3787.5	3738.1	3531.9	3567.9	3397.7
62.5°	1827.9	1850.8	2043.0	2396.9	3100.7	4151.9	4442.9	4260.7	3933.3	3898.8	3774.0
65°	1090.6	1089.6	1320.7	1789.9	2706.9	4296.1	5480.1	5140.2	4553.2	4353.0	4161.4
67.5°	693.3	691.8	740.2	948.4	1801.4	3942.7	6147.0	6235.3	5395.2	4687.0	4193.3
70°	547.1	546.6	581.5	676.3	891.0	2805.7	5961.3	6572.7	5903.9	4559.7	3692.2
72.5°	398.8	399.8	453.7	566.5	687.3	1408.6	4827.2	5623.9	5430.2	4025.1	2997.4
75°	286.5	288.0	320.5	433.8	633.9	770.2	3210.0	4228.7	4131.4	3226.5	2062.0
77.5°	182.2	184.2	212.6	304.0	512.1	621.9	1946.2	2985.4	2748.8	1817.9	733.2
80°	111.3	117.8	141.8	226.6	409.3	466.7	972.8	1572.8	1376.6	498.6	246.6
82.5°	57.4	62.4	85.4	140.3	282.0	409.8	550.6	660.9	426.3	208.6	131.3
85°	18.0	21.0	29.9	56.9	134.3	254.1	364.4	328.4	195.7	98.3	60.9
87.5°	4.5	4.5	5.0	5.0	5.5	11.5	70.4	74.4	51.9	30.9	25.0
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°	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8
2.5°	1874.8	1862.8	1857.8	1857.3	1844.8	1826.9	1814.9	1806.4	1801.4	1800.4	1800.4
5°	1841.3	1825.9	1805.4	1789.9	1756.5	1722.5	1694.1	1678.1	1659.7	1657.2	1656.7
7.5°	1796.9	1774.5	1735.5	1692.1	1633.7	1577.3	1529.4	1496.9	1464.5	1458.5	1456.5
10°	1749.0	1718.6	1652.2	1575.8	1488.4	1404.1	1330.7	1273.3	1235.4	1208.4	1203.4
12.5°	1701.6	1661.2	1563.8	1450.0	1330.2	1214.9	1104.6	1010.8	942.9	903.5	896.5
15°	1657.2	1600.8	1467.5	1322.2	1166.5	1008.8	852.5	730.7	635.4	601.5	593.5
17.5°	1616.7	1546.3	1374.1	1190.0	995.8	789.6	612.0	503.6	447.7	430.8	426.8
20°	1576.3	1490.4	1279.3	1050.7	814.6	583.5	447.2	396.3	375.4	368.9	366.9
22.5°	1532.9	1429.0	1176.0	913.4	631.4	436.8	365.9	343.4	336.9	337.4	336.9
25°	1489.4	1366.7	1067.7	764.2	470.2	354.4	319.5	311.0	312.5	317.0	318.0
27.5°	1453.5	1311.3	961.4	600.5	367.4	305.0	288.5	288.0	293.5	299.5	300.5
30°	1427.6	1261.8	856.5	461.7	302.5	271.0	264.5	267.5	274.0	278.5	280.0
32.5°	1409.1	1219.4	744.7	362.9	265.0	247.1	244.1	247.1	251.1	255.6	256.6
35°	1402.6	1188.5	634.9	296.0	239.6	229.6	227.6	229.1	231.1	233.6	234.6
37.5°	1417.1	1173.0	520.1	257.6	224.1	218.1	215.1	214.1	214.6	215.6	216.1
40°	1460.0	1180.0	426.3	235.1	214.1	208.6	203.7	201.7	201.2	202.2	201.7
42.5°	1533.9	1209.4	358.4	222.1	206.1	198.2	192.7	190.7	190.7	193.2	193.2
45°	1642.2	1267.3	309.5	212.6	199.2	189.2	183.2	182.2	184.2	188.2	188.7
47.5°	1800.9	1352.2	280.0	205.6	192.7	181.2	175.2	174.7	178.7	185.2	185.7
50°	1989.1	1474.5	264.0	200.7	188.2	174.7	168.7	169.2	173.7	180.7	182.2
52.5°	2215.7	1641.2	265.0	198.7	185.7	170.7	164.7	163.7	168.2	175.2	176.7
55°	2449.8	1843.8	284.5	199.2	182.2	168.7	160.7	157.2	161.2	166.2	166.7
57.5°	2707.4	2072.4	332.9	198.2	177.7	166.7	157.2	149.2	151.7	154.7	156.2
60°	2997.9	2341.5	437.3	200.2	175.7	162.2	150.2	139.8	139.3	141.3	141.8
62.5°	3386.2	2707.4	554.5	203.7	180.2	156.7	139.8	128.8	126.8	127.8	128.3
65°	3683.2	2882.1	517.6	200.7	189.7	152.7	129.8	118.3	114.3	113.3	113.3
67.5°	3562.4	2651.0	360.4	192.7	194.2	153.2	121.8	107.3	102.3	99.8	99.3
70°	3031.3	2153.3	250.6	184.7	189.2	152.2	113.3	98.3	91.8	88.3	87.8
72.5°	2394.9	1644.2	202.7	168.7	171.7	137.3	100.8	88.3	82.9	78.4	78.4
75°	1541.4	1003.3	169.2	150.2	140.3	106.8	87.4	78.9	73.4	68.9	68.9
77.5°	518.6	372.4	131.3	127.3	104.8	80.4	73.4	67.9	63.4	59.4	58.9
80°	210.6	176.7	96.3	96.3	73.4	61.4	57.4	54.9	51.9	46.9	46.9
82.5°	122.3	107.3	67.4	58.4	48.9	42.4	39.9	37.4	37.4	33.9	33.9
85°	58.9	59.4	40.4	35.9	28.0	24.5	23.5	22.0	21.5	19.5	19.0
87.5°	31.9	32.4	20.5	16.0	11.0	9.5	8.0	7.5	7.0	6.5	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

(END OF REPORT)