

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: P634234

Luminaire Tested: GWS-SA3B-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634234  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

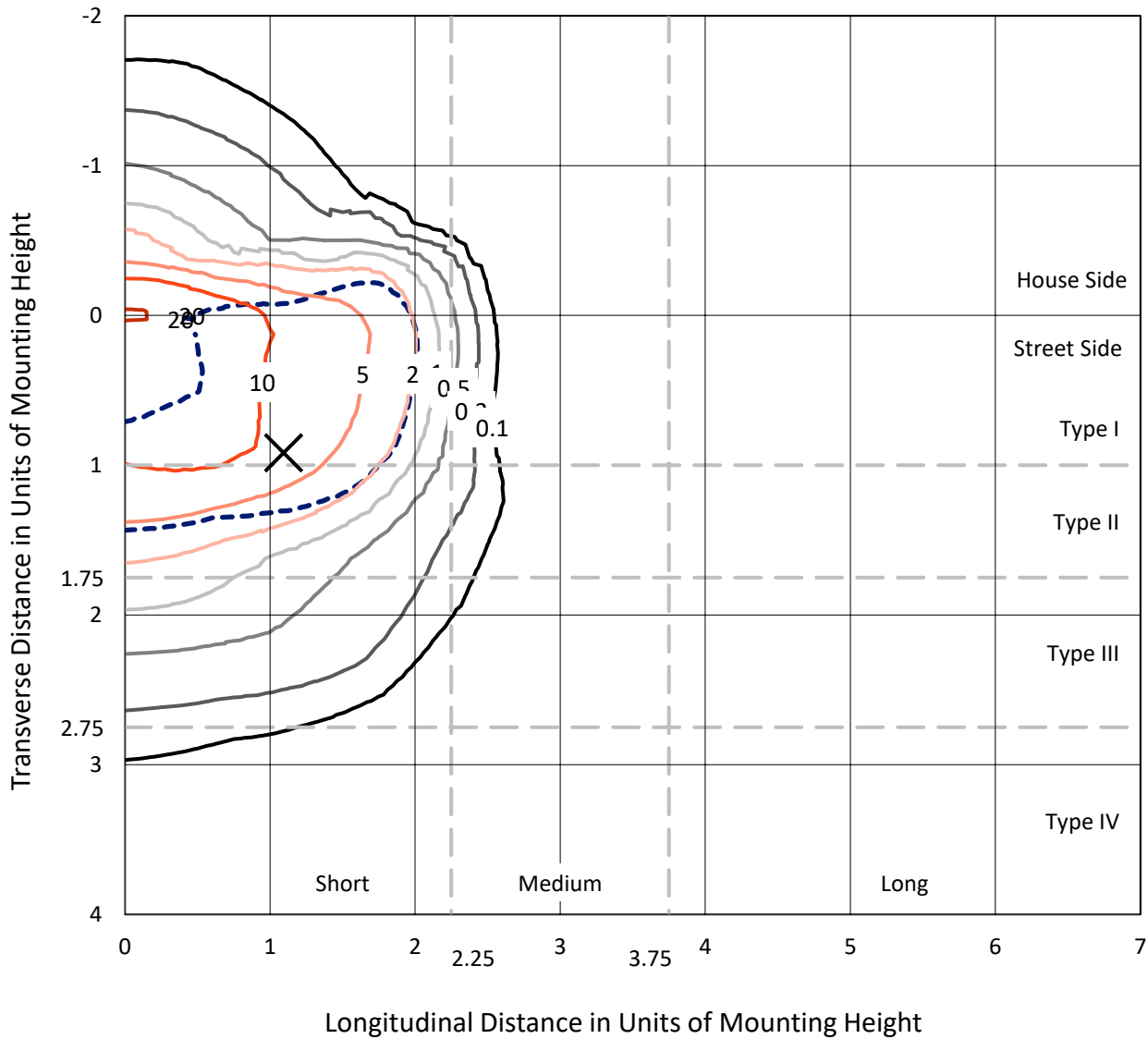
Lumens per Lamp: N/A  
Luminaire Lumens: 6023.9 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

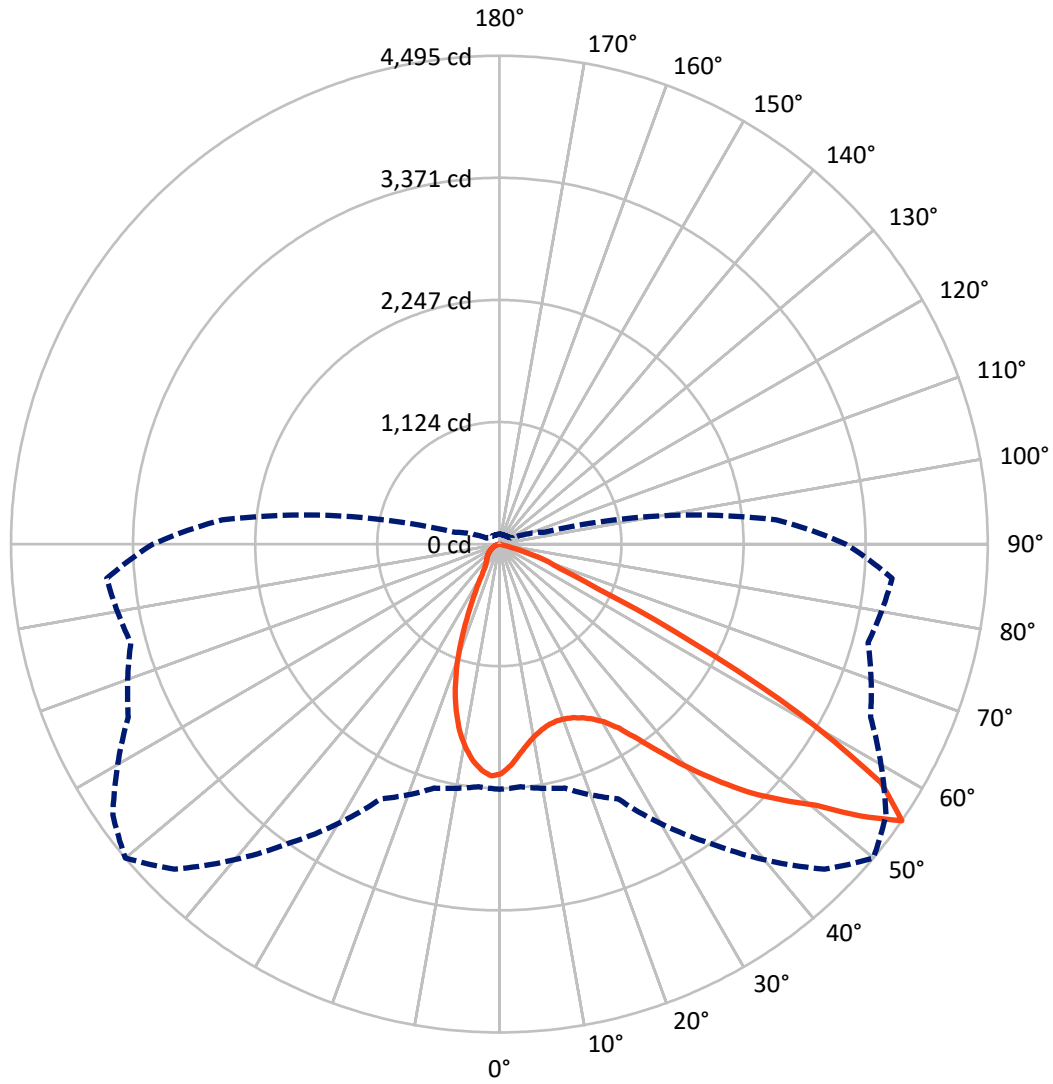
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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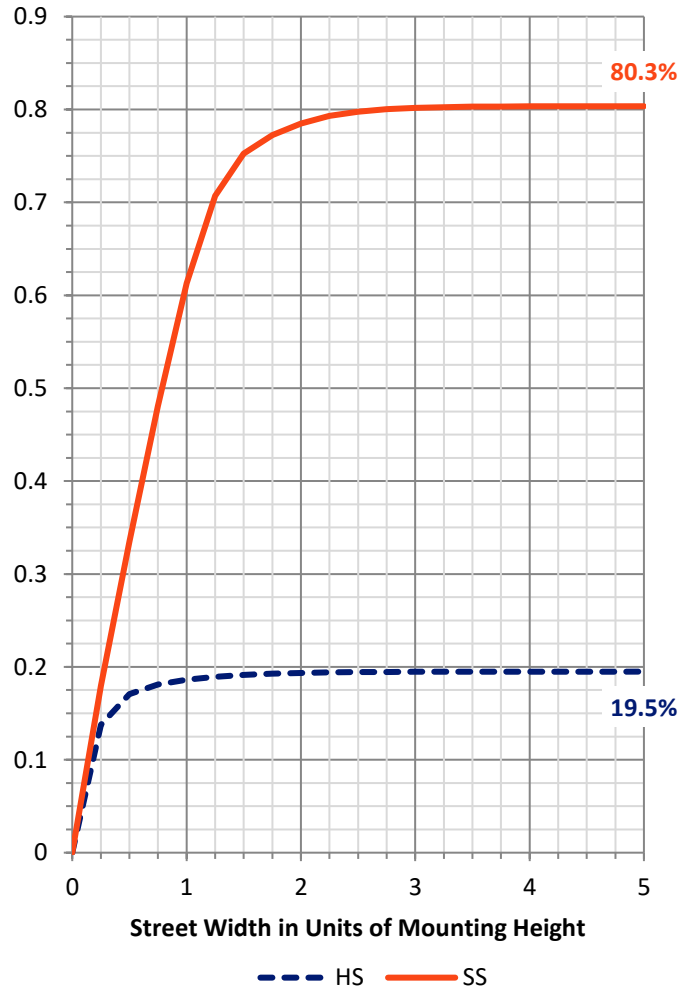
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1187.0	0.0	1187.0
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	4836.9	0.0	4836.9
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	6023.9	0.0	6023.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.6	3.1
10°-20°	456.8	7.6
20°-30°	644.3	10.7
30°-40°	953.4	15.8
40°-50°	1375.4	22.8
50°-60°	1622.4	26.9
60°-70°	723.7	12.0
70°-80°	62.2	1.0
80°-90°	0.0	0.0
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°	6023.9	100.0
0°-180°	6023.9	100.0

**Coefficient of Utilization**



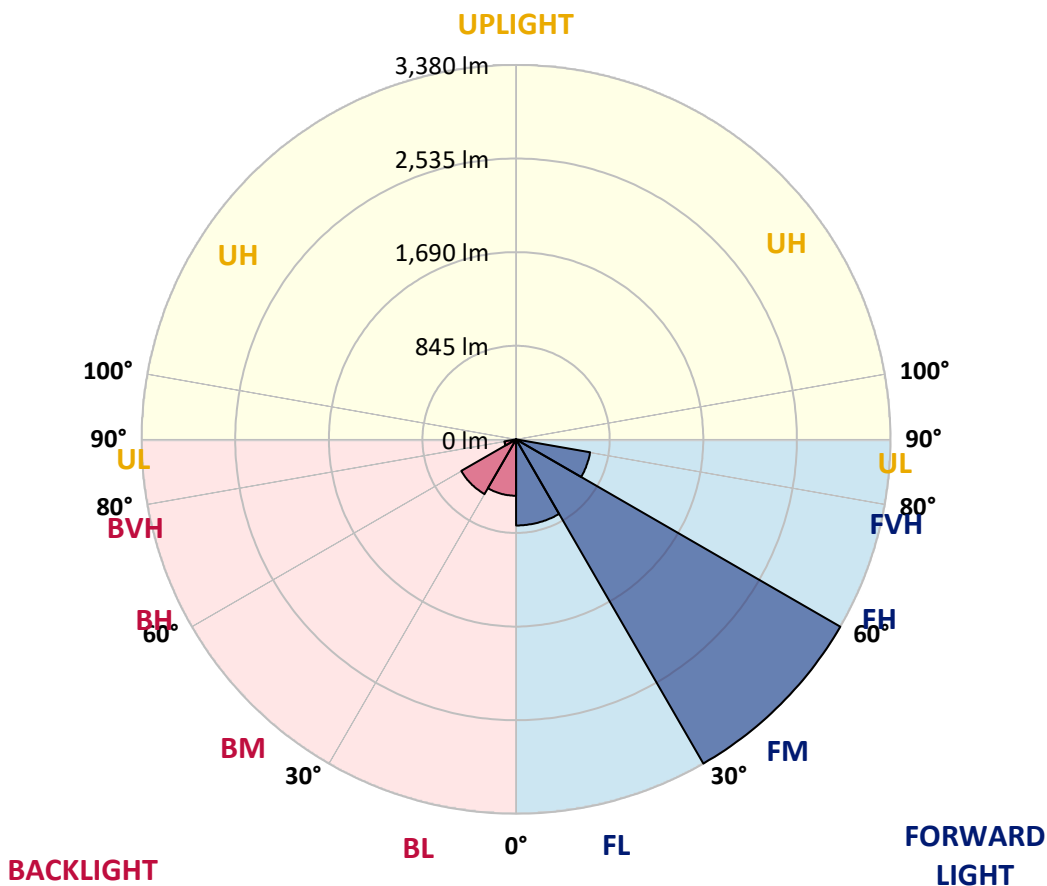
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	777.7	12.9			
FM (30°-60°)	3380.4	56.1			
FH (60°-80°)	678.8	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	508.9	8.4	B2/1000		
BM (30°-60°)	570.9	9.5	B1/1000		
BH (60°-80°)	107.2	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
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°	50°	55°	65°	75°	85°
0°	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5
2.5°	1963.5	1965.0	1965.7	1985.6	1992.9	2022.3	2037.8	2045.9	2067.2	2092.2	2112.8
5°	1831.9	1829.7	1833.3	1858.3	1874.5	1917.9	1941.4	1957.6	2004.7	2063.5	2112.8
7.5°	1717.1	1721.6	1726.0	1753.2	1777.4	1824.5	1858.3	1882.6	1948.1	2035.6	2118.7
10°	1636.2	1636.2	1642.9	1673.8	1702.4	1760.5	1794.4	1825.2	1903.2	2010.6	2125.3
12.5°	1576.7	1577.4	1585.5	1620.8	1653.9	1714.2	1749.5	1779.7	1865.7	1985.6	2126.8
15°	1548.7	1546.5	1553.1	1590.7	1627.4	1684.0	1720.8	1750.2	1839.2	1971.6	2134.1
17.5°	1541.4	1539.9	1545.1	1581.8	1619.3	1674.5	1710.5	1739.9	1835.5	1976.0	2156.2
20°	1562.7	1559.8	1557.6	1589.2	1624.5	1678.9	1716.4	1749.5	1853.2	2000.3	2190.0
22.5°	1613.5	1613.5	1608.3	1623.7	1647.3	1696.6	1735.5	1778.9	1899.5	2048.8	2240.0
25°	1706.8	1699.5	1689.9	1696.6	1693.6	1724.5	1770.8	1831.1	1987.0	2129.0	2301.0
27.5°	1813.5	1820.1	1803.9	1804.7	1778.9	1767.9	1821.6	1912.8	2117.2	2242.2	2391.5
30°	1958.4	1953.2	1953.9	1951.7	1892.2	1840.0	1898.0	2019.4	2281.2	2415.0	2509.2
32.5°	2071.6	2079.0	2103.2	2117.2	2039.2	1955.4	2017.2	2164.3	2468.0	2612.1	2653.3
35°	2191.5	2204.7	2254.0	2299.6	2234.1	2137.8	2204.0	2356.2	2643.7	2807.0	2818.8
37.5°	2318.0	2344.4	2403.3	2483.4	2473.1	2387.8	2448.1	2582.0	2782.0	2924.7	2955.5
40°	2462.8	2488.6	2584.9	2700.4	2724.6	2705.5	2725.4	2803.3	2873.2	2929.8	3014.4
42.5°	2621.7	2657.0	2779.0	2933.5	3024.7	3041.6	2995.3	2987.2	2912.9	2871.0	3001.9
45°	2809.2	2850.4	2988.6	3188.7	3333.5	3356.3	3276.2	3172.5	2937.9	2827.6	2964.4
47.5°	3019.5	3058.5	3196.0	3436.5	3652.0	3660.8	3521.1	3354.1	3012.2	2877.6	2993.0
50°	3090.1	3114.4	3233.5	3515.9	3913.0	3980.7	3778.4	3558.6	3161.5	3024.7	3132.8
52.5°	2847.4	2857.0	2960.7	3246.0	3860.1	4294.7	4154.2	3863.8	3426.9	3249.0	3348.2
55°	2256.2	2240.7	2324.6	2586.4	3354.9	4230.7	4494.7	4343.2	3768.9	3512.2	3628.4
57.5°	1578.2	1559.8	1540.6	1717.9	2503.3	3586.5	4141.7	4410.2	4094.7	3773.3	3930.7
60°	1297.2	1279.6	1186.9	1105.3	1513.4	2575.3	3181.3	3686.5	4068.2	3760.1	3921.1
62.5°	1120.7	1110.4	1072.9	961.9	890.6	1470.1	1992.2	2476.1	3121.7	2952.6	2961.4
65°	880.3	877.3	903.1	914.8	787.6	813.3	1016.3	1286.9	1687.7	1591.4	1509.0
67.5°	601.6	594.9	643.5	791.3	757.5	642.0	594.9	600.1	730.2	446.4	354.5
70°	382.4	367.0	367.7	490.5	616.3	506.7	458.9	403.7	363.3	66.2	75.0
72.5°	244.9	235.3	202.2	221.4	285.3	247.1	249.3	214.7	143.4	35.3	41.2
75°	103.0	94.9	72.8	58.1	57.4	36.0	31.6	29.4	19.9	19.9	21.3
77.5°	0.7	0.0	0.0	0.7	1.5	0.7	0.7	1.5	2.9	4.4	5.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5	2113.5
2.5°	2125.3	2107.6	2127.5	2134.8	2134.1	2134.8	2113.5	2098.8	2098.1	2079.7	2070.9
5°	2133.4	2119.4	2134.1	2124.5	2101.8	2073.1	2034.8	2001.7	1987.0	1965.7	1955.4
7.5°	2148.8	2134.1	2131.9	2093.7	2037.0	1976.7	1909.1	1848.8	1816.4	1777.4	1779.7
10°	2159.8	2142.9	2114.3	2036.3	1942.2	1845.8	1745.1	1655.4	1598.7	1546.5	1537.7
12.5°	2164.3	2139.3	2072.3	1954.7	1822.3	1696.6	1548.7	1420.8	1332.5	1264.1	1254.6
15°	2172.4	2131.9	2018.7	1856.1	1674.5	1496.5	1308.3	1133.2	1016.3	937.6	944.2
17.5°	2184.9	2123.8	1958.4	1745.8	1515.6	1264.1	1009.7	808.9	701.6	656.0	656.7
20°	2202.5	2114.3	1892.2	1624.5	1325.2	1001.6	706.0	554.5	524.3	522.9	520.7
22.5°	2226.0	2104.7	1821.6	1491.4	1099.4	701.6	469.9	422.9	435.4	459.6	464.0
25°	2254.0	2092.9	1742.9	1341.4	853.1	460.4	352.3	344.9	375.1	407.4	414.8
27.5°	2297.4	2087.0	1653.2	1170.7	598.6	330.2	288.3	292.7	319.9	347.1	353.7
30°	2370.9	2098.1	1555.4	979.5	384.6	263.3	250.0	256.7	271.4	285.3	291.2
32.5°	2470.9	2130.4	1460.5	770.7	274.3	228.7	225.8	229.4	235.3	243.4	245.6
35°	2587.8	2186.3	1362.7	551.5	226.5	208.9	205.9	205.9	208.9	210.3	211.1
37.5°	2684.2	2245.2	1270.8	367.0	203.0	193.4	189.0	186.8	186.1	187.5	188.3
40°	2726.1	2269.4	1170.7	266.9	186.1	179.4	172.8	166.2	166.2	171.3	172.1
42.5°	2696.7	2242.2	1055.3	220.6	174.3	164.7	154.4	148.5	151.5	156.6	158.1
45°	2634.2	2175.3	928.1	194.9	162.5	150.0	138.3	134.6	137.5	144.1	145.6
47.5°	2623.9	2131.2	775.8	178.0	150.0	137.5	125.0	121.3	125.0	130.2	131.6
50°	2726.1	2169.4	606.7	163.3	138.3	124.3	114.0	110.3	112.5	115.5	116.9
52.5°	2912.9	2311.3	489.8	149.3	124.3	111.0	104.4	100.0	100.0	103.0	103.7
55°	3188.7	2559.2	422.9	133.1	108.1	100.7	94.9	90.5	90.5	91.9	92.7
57.5°	3506.4	2859.2	438.3	111.8	94.9	91.2	86.0	82.4	83.8	83.8	83.8
60°	3462.2	2837.1	469.2	94.1	83.8	82.4	78.0	76.5	80.2	77.2	75.7
62.5°	2550.3	1959.8	245.6	77.2	72.1	70.6	67.7	70.6	75.7	67.7	64.7
65°	1238.4	948.7	98.5	63.2	61.0	59.6	58.1	62.5	65.4	52.9	50.0
67.5°	291.2	236.8	64.0	53.7	50.7	47.8	49.3	50.0	47.8	36.0	34.6
70°	75.7	74.3	50.0	44.9	40.4	37.5	37.5	36.8	31.6	22.8	21.3
72.5°	41.2	40.4	36.0	33.8	27.9	25.0	25.7	22.8	17.6	13.2	12.5
75°	20.6	22.1	20.6	19.1	15.4	14.0	14.0	12.5	8.8	5.1	5.1
77.5°	4.4	5.1	5.1	4.4	3.7	2.9	2.9	3.7	1.5	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)