

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: P632591

Luminaire Tested: GWS-SA2D-722-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632591  
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-SA2D-722-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

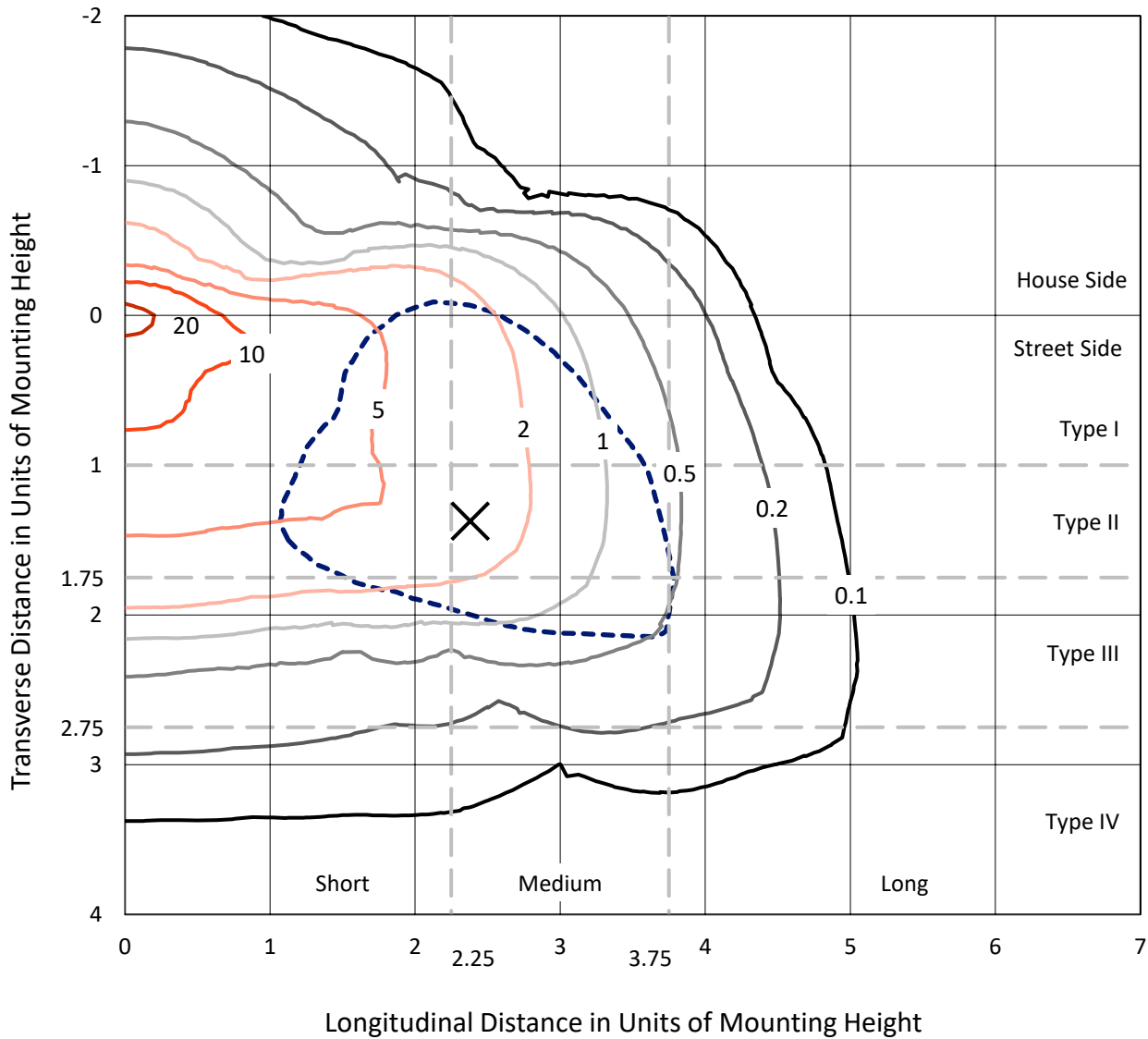
Lumens per Lamp: N/A  
Luminaire Lumens: 8427 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

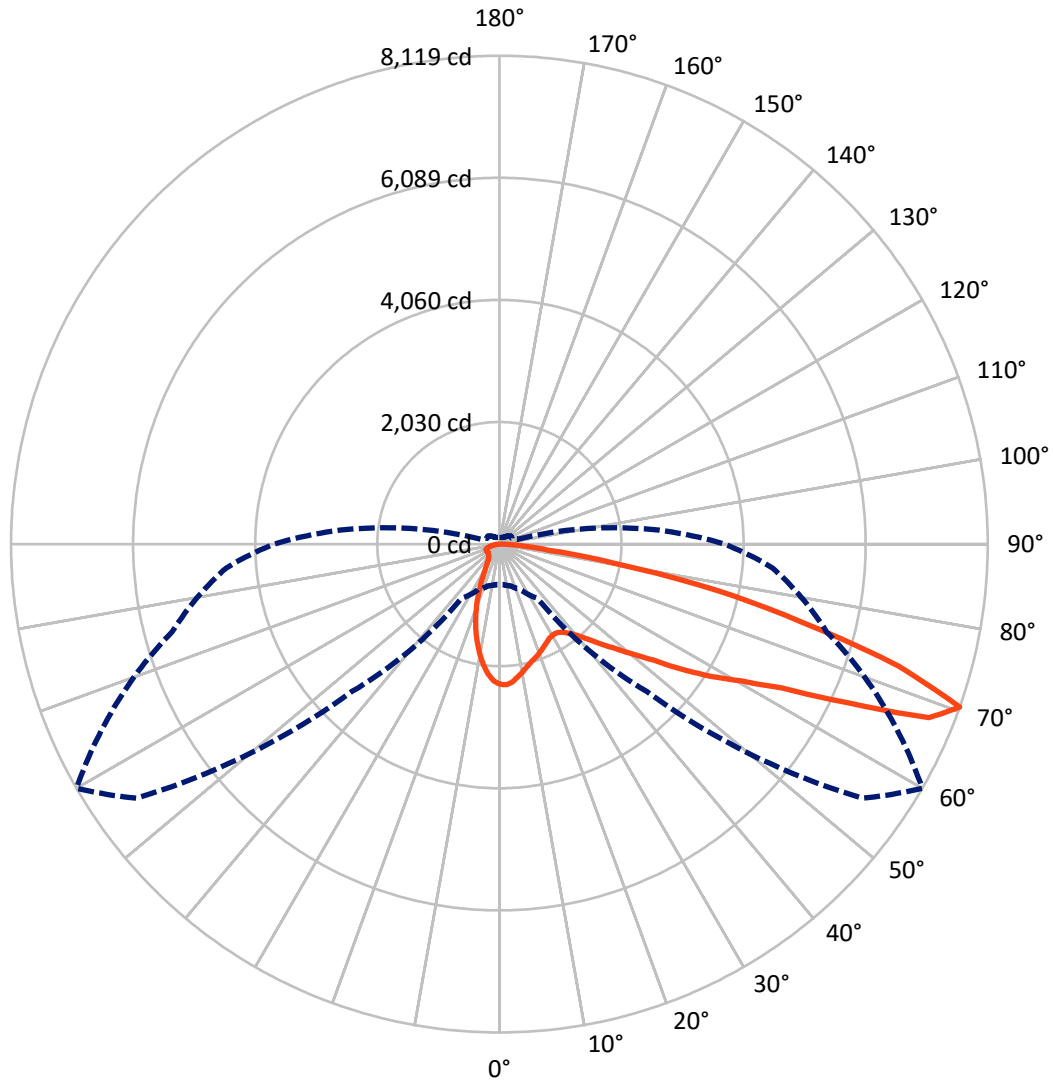
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.3 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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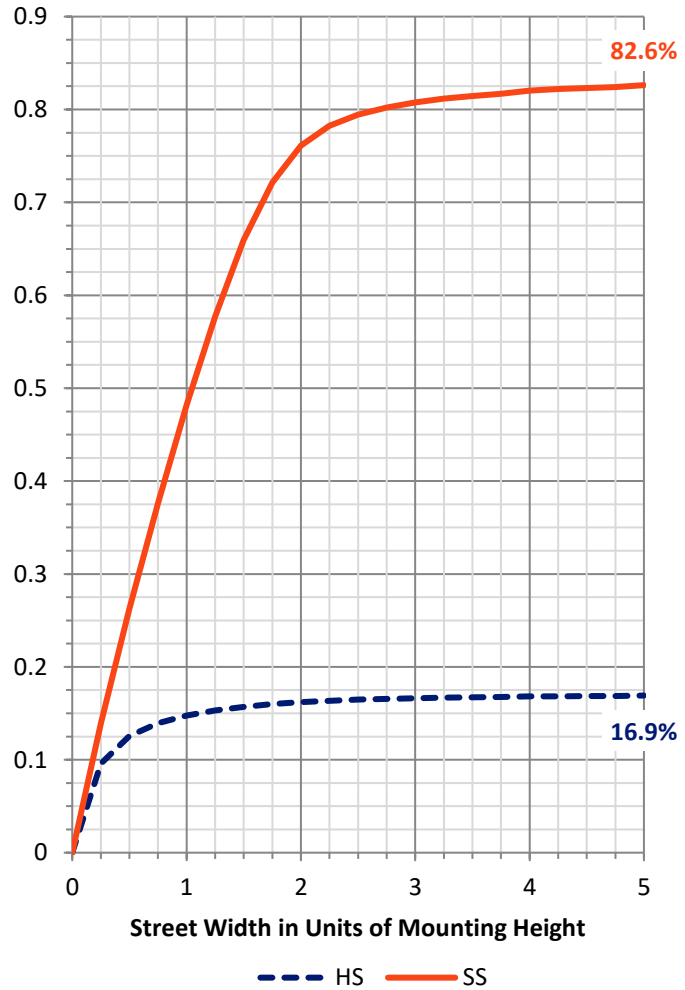
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1441.2	0.0	1441.2
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	6985.8	0.0	6985.8
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	8427.0	0.0	8427.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.0	2.4
10°-20°	450.3	5.3
20°-30°	576.7	6.8
30°-40°	757.9	9.0
40°-50°	1099.6	13.0
50°-60°	1715.6	20.4
60°-70°	2246.1	26.7
70°-80°	1242.0	14.7
80°-90°	137.8	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°	8427.0	100.0
0°-180°	8427.0	100.0

**Coefficient of Utilization**



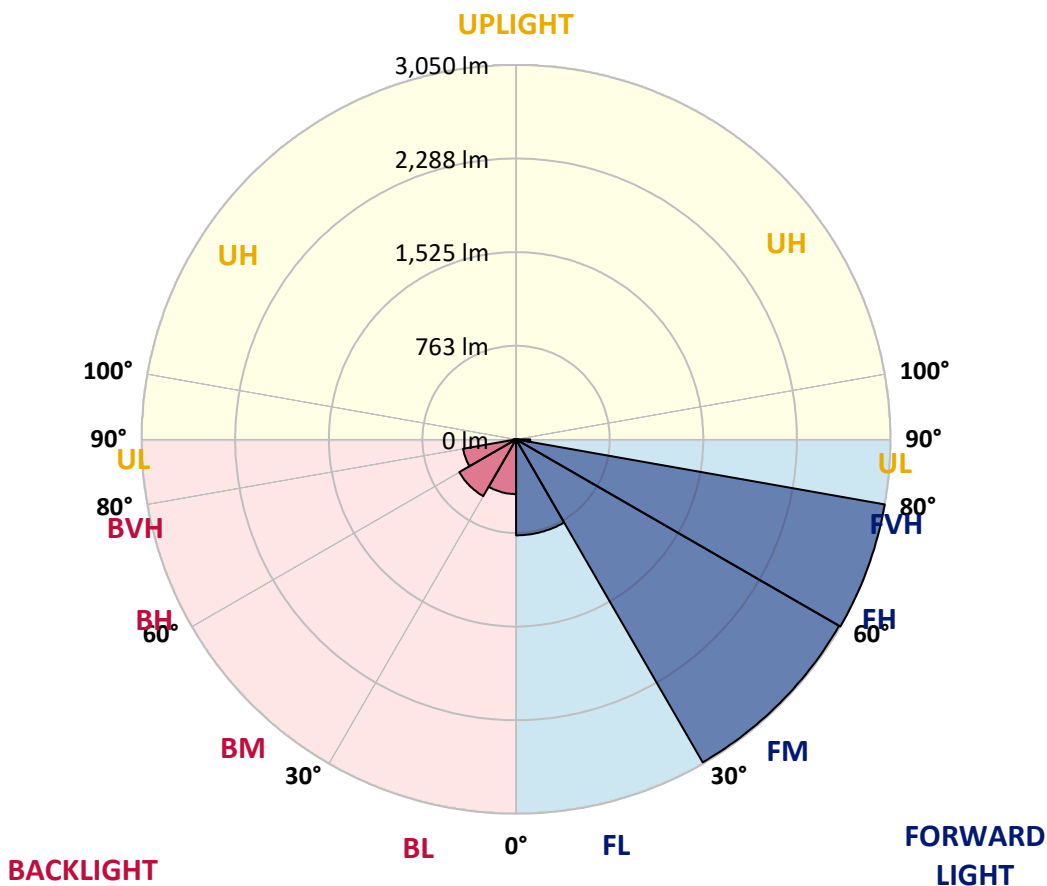
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	782.1	9.3			
FM (30°-60°)	3038.7	36.1			
FH (60°-80°)	3050.1	36.2			G2/5000
FVH (80°-90°)	114.9	1.4			G2/225
BL (0°-30°)	445.9	5.3	B1/500		
BM (30°-60°)	534.4	6.3	B1/1000		
BH (60°-80°)	438.0	5.2	B1/500		G1/500
BVH (80°-90°)	23.0	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°	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9
2.5°	2299.2	2301.6	2308.4	2318.3	2328.2	2333.1	2345.4	2341.7	2339.3	2334.3	2328.2
5°	2197.4	2202.4	2208.5	2227.7	2249.2	2266.5	2294.2	2297.3	2298.6	2301.0	2291.2
7.5°	2068.0	2069.2	2084.0	2109.3	2137.6	2167.2	2213.5	2226.4	2237.5	2249.9	2241.8
10°	1924.9	1928.0	1939.1	1975.5	2024.2	2068.0	2130.2	2151.8	2175.3	2202.4	2191.3
12.5°	1807.8	1808.4	1826.3	1865.1	1918.1	1977.3	2055.0	2080.9	2111.7	2154.3	2144.4
15°	1714.7	1714.7	1731.3	1764.6	1825.7	1895.3	1987.8	2021.1	2063.0	2120.4	2103.1
17.5°	1640.7	1641.3	1651.8	1686.9	1741.2	1818.3	1928.0	1973.0	2019.3	2095.1	2069.2
20°	1601.8	1598.8	1600.6	1622.2	1668.4	1743.0	1868.2	1920.6	1982.9	2077.8	2038.4
22.5°	1600.0	1594.4	1586.4	1588.3	1615.4	1677.1	1804.1	1867.6	1945.9	2063.7	2006.9
25°	1631.4	1625.3	1611.1	1595.1	1592.6	1629.6	1743.7	1815.8	1907.7	2057.5	1976.7
27.5°	1684.5	1680.1	1661.7	1637.6	1612.3	1611.1	1698.0	1773.2	1879.9	2063.7	1955.1
30°	1754.8	1747.4	1735.6	1704.8	1666.6	1627.1	1680.1	1750.4	1861.4	2083.4	1945.9
32.5°	1834.3	1830.0	1818.9	1788.0	1747.4	1684.5	1694.3	1755.4	1861.4	2117.9	1947.7
35°	1918.8	1918.1	1918.1	1897.8	1852.8	1774.5	1750.4	1797.3	1889.8	2173.4	1967.5
37.5°	2000.8	2000.1	2019.9	2027.3	1976.1	1891.6	1846.0	1881.1	1952.1	2255.4	2016.2
40°	2067.4	2069.8	2113.0	2150.0	2121.6	2043.3	1979.2	1997.1	2053.2	2371.9	2101.3
42.5°	2134.6	2141.3	2206.1	2271.4	2282.5	2214.7	2150.0	2160.5	2198.1	2526.1	2228.3
45°	2207.9	2211.0	2301.6	2392.9	2446.5	2406.5	2353.4	2367.6	2376.3	2716.6	2417.6
47.5°	2278.8	2286.9	2404.0	2529.2	2630.9	2627.2	2597.6	2593.3	2595.1	2948.4	2641.4
50°	2375.6	2387.4	2524.8	2675.9	2825.1	2893.6	2902.2	2869.5	2855.9	3206.2	2920.1
52.5°	2559.4	2559.4	2682.7	2831.3	3031.7	3201.2	3259.2	3205.5	3162.4	3478.7	3216.0
55°	2789.4	2799.2	2897.3	3017.5	3271.5	3524.9	3721.0	3661.8	3539.7	3775.2	3526.2
57.5°	2891.7	2904.0	3059.4	3246.2	3585.3	3893.0	4164.9	4144.0	3965.8	4083.5	3848.0
60°	2706.7	2732.6	2946.6	3259.8	3869.6	4486.8	4678.5	4617.5	4362.8	4407.2	4197.0
62.5°	2257.9	2286.2	2523.6	2960.8	3830.1	5128.6	5488.1	5263.0	4858.6	4816.0	4661.9
65°	1347.2	1346.0	1631.4	2211.0	3343.6	5306.8	6769.3	6349.4	5624.3	5377.1	5140.3
67.5°	856.4	854.6	914.4	1171.5	2225.2	4870.3	7593.0	7702.2	6664.5	5789.6	5179.8
70°	675.8	675.1	718.3	835.4	1100.6	3465.7	7363.7	8119.0	7292.8	5632.3	4560.8
72.5°	492.6	493.9	560.5	699.8	849.0	1740.0	5962.8	6946.9	6707.6	4972.0	3702.5
75°	353.9	355.8	395.8	535.8	783.0	951.4	3965.1	5223.6	5103.3	3985.5	2547.0
77.5°	225.0	227.5	262.7	375.5	632.6	768.2	2404.0	3687.7	3395.4	2245.5	905.7
80°	137.5	145.5	175.1	279.9	505.6	576.5	1201.7	1942.8	1700.5	616.0	304.6
82.5°	70.9	77.1	105.4	173.3	348.4	506.2	680.1	816.3	526.5	257.7	162.2
85°	22.2	25.9	37.0	70.3	165.9	313.8	450.1	405.7	241.7	121.5	75.2
87.5°	5.5	5.5	6.2	6.2	6.8	14.2	86.9	91.9	64.1	38.2	30.8
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°	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9	2331.9
2.5°	2315.8	2301.0	2294.9	2294.2	2278.8	2256.6	2241.8	2231.4	2225.2	2224.0	2224.0
5°	2274.5	2255.4	2230.1	2211.0	2169.7	2127.8	2092.6	2072.9	2050.1	2047.0	2046.4
7.5°	2219.6	2191.9	2143.8	2090.2	2018.0	1948.4	1889.2	1849.1	1809.0	1801.6	1799.1
10°	2160.5	2122.8	2040.8	1946.5	1838.6	1734.4	1643.8	1572.9	1526.0	1492.7	1486.5
12.5°	2101.9	2051.9	1931.7	1791.1	1643.2	1500.7	1364.5	1248.6	1164.7	1116.0	1107.4
15°	2047.0	1977.3	1812.7	1633.3	1440.9	1246.1	1053.1	902.7	784.9	743.0	733.1
17.5°	1997.1	1910.1	1697.4	1469.9	1230.1	975.4	755.9	622.1	553.1	532.1	527.2
20°	1947.1	1841.1	1580.3	1297.9	1006.2	720.8	552.4	489.6	463.7	455.6	453.2
22.5°	1893.5	1765.2	1452.6	1128.3	780.0	539.5	451.9	424.2	416.2	416.8	416.2
25°	1839.8	1688.2	1318.8	944.0	580.8	437.8	394.6	384.1	386.0	391.5	392.8
27.5°	1795.4	1619.7	1187.5	741.7	453.8	376.7	356.4	355.8	362.5	369.9	371.2
30°	1763.4	1558.7	1058.0	570.3	373.6	334.8	326.8	330.5	338.5	344.0	345.9
32.5°	1740.6	1506.3	919.9	448.2	327.4	305.2	301.5	305.2	310.1	315.7	316.9
35°	1732.6	1468.0	784.3	365.6	296.0	283.6	281.2	283.0	285.5	288.6	289.8
37.5°	1750.4	1448.9	642.5	318.1	276.8	269.4	265.7	264.5	265.1	266.4	267.0
40°	1803.5	1457.6	526.5	290.4	264.5	257.7	251.6	249.1	248.5	249.7	249.1
42.5°	1894.7	1493.9	442.7	274.4	254.6	244.8	238.0	235.5	235.5	238.6	238.6
45°	2028.5	1565.5	382.3	262.7	246.0	233.7	226.3	225.0	227.5	232.4	233.1
47.5°	2224.6	1670.3	345.9	254.0	238.0	223.8	216.4	215.8	220.7	228.7	229.4
50°	2457.0	1821.3	326.2	247.9	232.4	215.8	208.4	209.0	214.6	223.2	225.0
52.5°	2736.9	2027.3	327.4	245.4	229.4	210.9	203.5	202.2	207.8	216.4	218.3
55°	3026.1	2277.6	351.4	246.0	225.0	208.4	198.5	194.2	199.2	205.3	205.9
57.5°	3344.3	2560.0	411.3	244.8	219.5	205.9	194.2	184.4	187.4	191.1	193.0
60°	3703.1	2892.3	540.1	247.2	217.0	200.4	185.6	172.6	172.0	174.5	175.1
62.5°	4182.8	3344.3	685.0	251.6	222.6	193.6	172.6	159.1	156.6	157.8	158.5
65°	4549.7	3560.1	639.4	247.9	234.3	188.7	160.3	146.1	141.2	140.0	140.0
67.5°	4400.4	3274.6	445.2	238.0	239.8	189.3	150.4	132.6	126.4	123.3	122.7
70°	3744.4	2659.9	309.5	228.1	233.7	188.1	140.0	121.5	113.4	109.1	108.5
72.5°	2958.3	2031.0	250.3	208.4	212.1	169.6	124.5	109.1	102.4	96.8	96.8
75°	1904.0	1239.3	209.0	185.6	173.3	131.9	107.9	97.4	90.6	85.1	85.1
77.5°	640.6	460.0	162.2	157.2	129.5	99.3	90.6	83.9	78.3	73.4	72.8
80°	260.2	218.3	119.0	119.0	90.6	75.8	70.9	67.8	64.1	58.0	58.0
82.5°	151.1	132.6	83.2	72.1	60.4	52.4	49.3	46.2	46.2	41.9	41.9
85°	72.8	73.4	49.9	44.4	34.5	30.2	29.0	27.1	26.5	24.0	23.4
87.5°	39.5	40.1	25.3	19.7	13.6	11.7	9.9	9.2	8.6	8.0	8.0
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)