

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: P632588

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5030.4 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

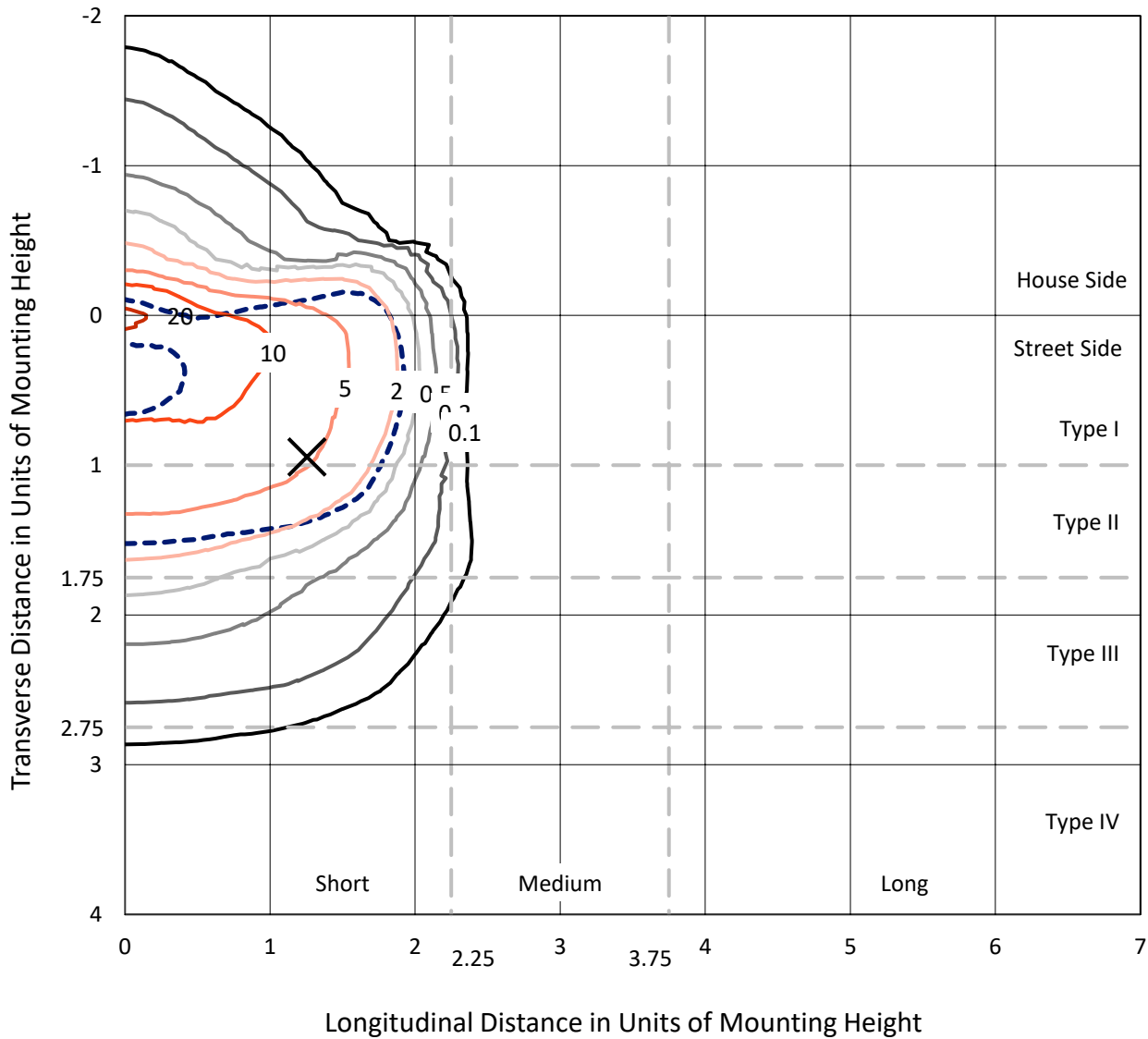
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

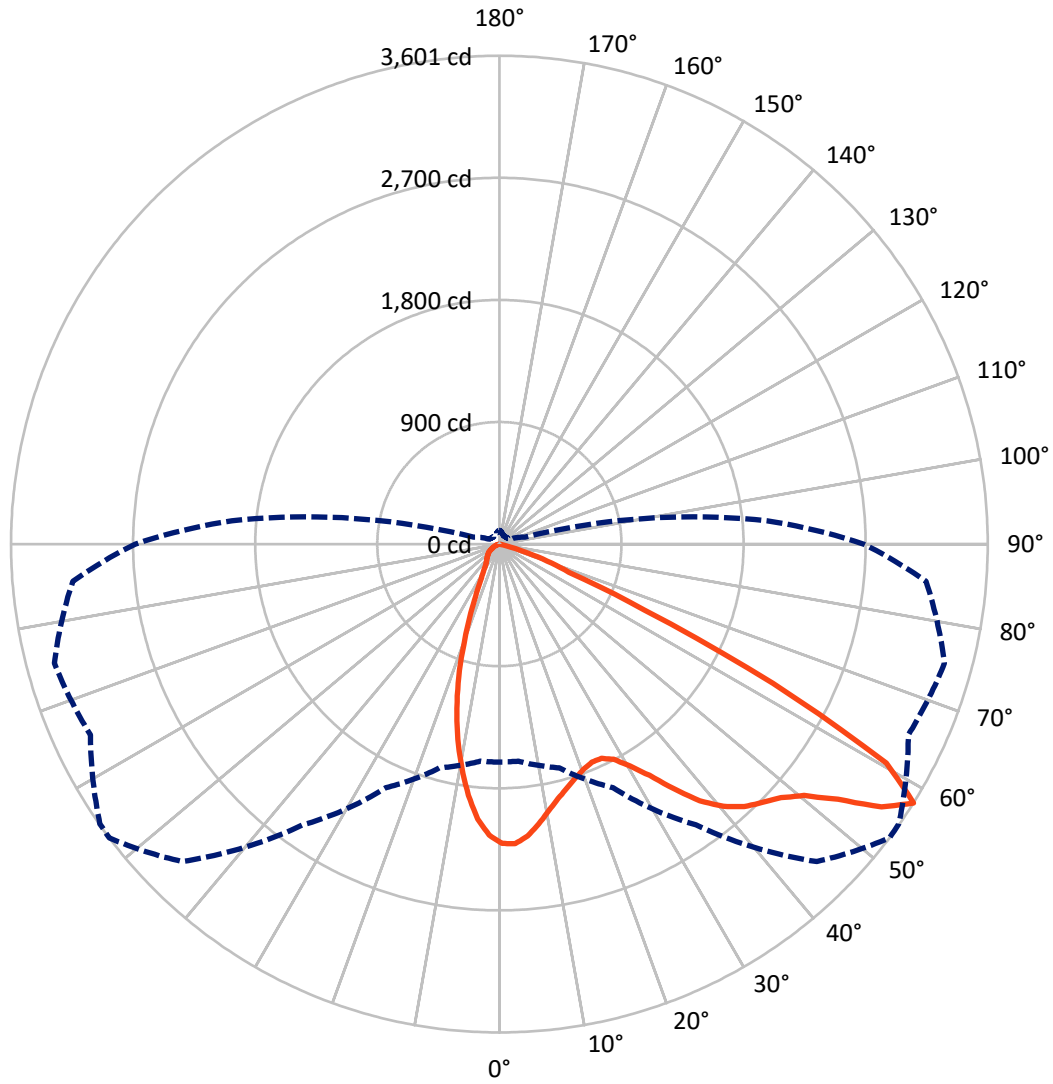
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 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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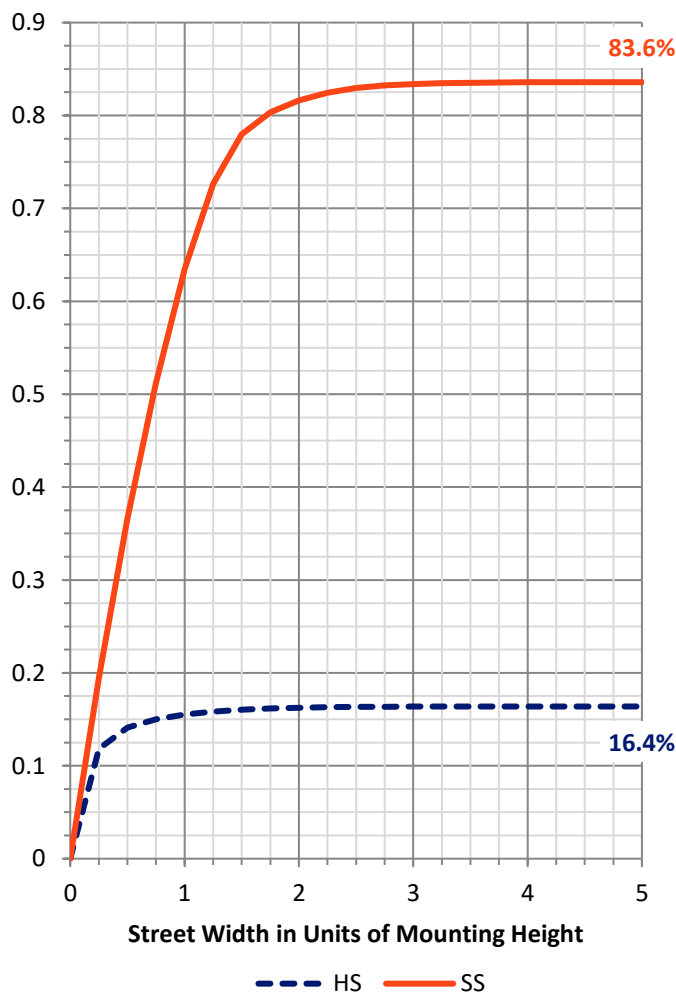
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	831.0	0.0	831.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4199.4	0.0	4199.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	5030.4	0.0	5030.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	3.8
10°-20°	414.5	8.2
20°-30°	540.0	10.7
30°-40°	783.2	15.6
40°-50°	1130.1	22.5
50°-60°	1366.8	27.2
60°-70°	557.0	11.1
70°-80°	50.0	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°	5030.4	100.0
0°-180°	5030.4	100.0

Coefficient of Utilization



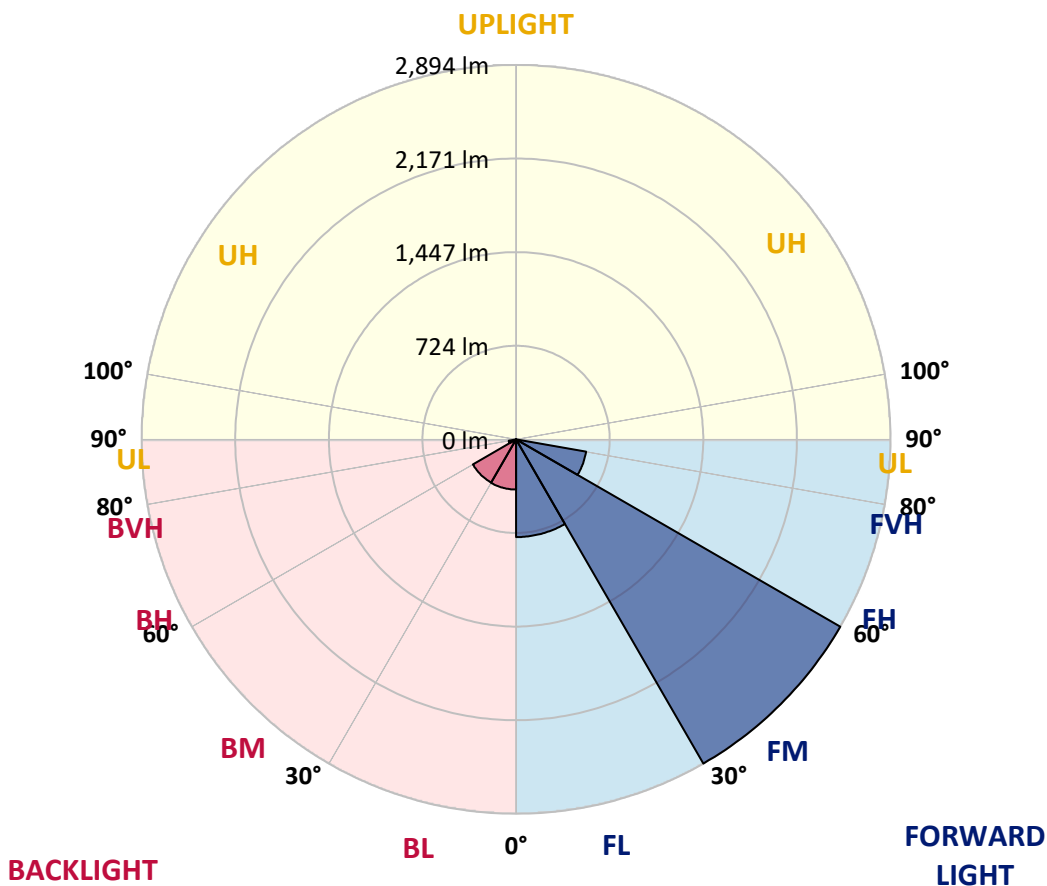
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.4	15.0			
FM (30°-60°)	2894.4	57.5			
FH (60°-80°)	549.6	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	387.8	7.7	B1/500		
BM (30°-60°)	385.7	7.7	B1/1000		
BH (60°-80°)	57.4	1.1	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: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6
2.5°	2175.8	2180.7	2189.4	2200.5	2207.9	2211.6	2211.6	2222.0	2215.3	2209.7	2203.5
5°	2082.7	2087.6	2099.3	2117.2	2135.1	2148.0	2162.8	2173.9	2178.3	2178.3	2167.8
7.5°	1951.4	1958.2	1965.6	1990.2	2029.1	2058.0	2083.3	2099.3	2122.8	2130.2	2115.4
10°	1810.2	1817.0	1833.6	1867.5	1911.9	1955.1	1998.2	2018.6	2058.6	2079.6	2063.0
12.5°	1690.6	1693.7	1715.8	1756.5	1813.3	1872.5	1924.9	1945.8	2002.5	2034.0	2014.3
15°	1591.9	1593.8	1616.0	1661.0	1726.3	1799.1	1865.1	1886.6	1956.3	2003.8	1974.2
17.5°	1517.3	1517.9	1537.1	1585.8	1654.2	1735.0	1813.3	1839.8	1929.8	1987.1	1942.7
20°	1479.7	1477.9	1491.4	1534.0	1598.7	1679.5	1772.0	1804.6	1915.0	1984.7	1918.7
22.5°	1480.3	1476.0	1481.6	1511.8	1566.6	1642.5	1746.1	1783.1	1916.2	1995.1	1898.3
25°	1515.5	1509.3	1510.5	1526.6	1565.4	1634.5	1749.8	1789.2	1940.9	2030.3	1890.9
27.5°	1574.7	1567.9	1567.9	1575.9	1596.9	1659.7	1796.0	1841.0	2006.9	2098.7	1906.4
30°	1651.1	1644.3	1641.9	1649.9	1667.1	1725.1	1899.0	1945.8	2119.7	2210.9	1955.7
32.5°	1738.7	1730.6	1735.0	1746.1	1762.7	1842.9	2031.5	2093.8	2260.9	2362.0	2044.5
35°	1831.1	1824.4	1844.1	1868.1	1894.0	2006.2	2214.6	2268.9	2434.1	2550.0	2180.1
37.5°	1919.3	1916.2	1957.5	2008.1	2061.7	2202.3	2400.8	2442.8	2582.7	2754.7	2346.0
40°	2007.5	2006.9	2077.8	2166.5	2252.2	2397.7	2542.0	2576.5	2673.3	2913.8	2505.0
42.5°	2106.1	2106.1	2204.2	2322.5	2436.6	2563.0	2645.6	2661.0	2714.0	3005.7	2624.6
45°	2200.5	2206.0	2319.4	2456.9	2592.0	2691.8	2717.1	2718.4	2730.7	3059.9	2723.9
47.5°	2275.1	2280.0	2415.6	2574.1	2719.6	2789.9	2793.6	2788.0	2774.5	3111.7	2800.4
50°	2335.5	2342.9	2484.7	2652.4	2807.1	2884.2	2912.6	2907.0	2872.5	3167.2	2854.0
52.5°	2365.1	2375.6	2508.7	2691.2	2904.6	3045.7	3124.7	3137.6	3019.2	3198.0	2905.2
55°	2128.3	2143.7	2266.4	2516.1	2958.8	3295.4	3419.4	3416.9	3178.3	3289.9	3029.7
57.5°	1607.3	1606.1	1707.8	1981.0	2527.2	3309.6	3600.6	3595.7	3326.9	3396.6	3157.3
60°	1094.4	1087.0	1114.1	1246.0	1767.0	2696.2	3276.9	3343.5	3221.5	3137.6	2680.7
62.5°	900.8	894.0	885.4	849.0	1014.8	1679.5	2264.0	2365.1	2349.0	2180.7	1681.3
65°	737.4	742.9	767.0	751.6	705.9	861.3	1175.1	1234.9	1128.9	950.1	587.6
67.5°	543.8	546.3	577.7	659.1	634.4	573.4	553.0	562.9	329.9	151.7	98.0
70°	321.2	323.1	352.0	461.2	514.8	440.2	373.6	368.1	130.7	40.7	44.4
72.5°	181.9	178.2	183.7	219.5	280.5	233.7	192.4	175.1	39.5	22.8	22.8
75°	86.3	83.9	72.1	67.8	61.7	39.5	24.7	21.0	9.9	9.2	9.2
77.5°	0.6	1.8	1.2	1.8	1.8	1.2	0.6	0.6	1.8	1.8	2.5
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6
2.5°	2192.4	2173.9	2169.6	2168.4	2151.1	2132.6	2113.5	2106.1	2095.0	2088.2	2093.8
5°	2151.1	2124.6	2101.2	2079.6	2041.4	1999.5	1963.1	1939.7	1917.5	1902.7	1906.4
7.5°	2092.6	2058.0	2004.4	1949.5	1879.2	1816.3	1746.1	1702.9	1662.8	1640.6	1651.1
10°	2030.3	1984.7	1899.0	1805.9	1695.5	1596.9	1496.4	1414.4	1366.9	1321.9	1326.8
12.5°	1969.2	1908.8	1780.6	1639.4	1500.1	1354.6	1202.9	1089.4	1011.8	955.6	947.0
15°	1912.5	1834.8	1665.3	1479.1	1289.2	1095.6	902.0	739.9	649.8	594.4	590.7
17.5°	1862.0	1765.8	1545.7	1311.4	1073.4	825.6	603.0	481.5	429.7	405.7	403.2
20°	1813.3	1696.1	1423.6	1141.2	837.9	579.6	416.2	360.1	343.4	333.6	334.8
22.5°	1766.4	1620.3	1295.4	952.6	628.3	406.9	322.5	300.9	299.0	300.3	300.9
25°	1726.9	1550.6	1163.4	770.7	448.2	310.1	269.4	263.3	268.8	276.8	278.1
27.5°	1706.6	1493.9	1034.6	587.6	324.3	252.2	233.7	236.1	246.0	254.6	255.9
30°	1712.1	1451.4	901.4	426.0	249.7	212.7	206.5	211.5	221.3	229.4	230.6
32.5°	1751.6	1429.8	765.1	310.1	205.3	185.6	183.1	186.8	195.4	201.6	202.2
35°	1829.9	1434.7	635.7	237.4	176.3	165.2	164.6	167.1	171.4	175.7	176.3
37.5°	1945.2	1474.8	508.0	197.3	159.7	151.7	149.2	149.2	152.3	154.1	155.4
40°	2069.1	1535.2	406.9	174.5	148.0	139.3	134.4	132.6	135.0	137.5	138.1
42.5°	2171.5	1595.6	330.5	158.5	138.7	127.0	120.8	119.6	122.7	127.0	128.2
45°	2249.8	1642.5	275.6	145.5	128.2	115.3	108.5	108.5	114.1	121.5	122.7
47.5°	2321.3	1680.1	234.9	133.8	118.4	104.8	98.0	99.3	108.5	118.4	120.2
50°	2370.0	1710.3	204.7	123.3	110.4	96.2	90.0	92.5	103.6	115.3	117.1
52.5°	2422.4	1747.3	185.0	114.1	103.0	89.4	83.9	85.7	98.0	111.0	113.4
55°	2567.3	1871.2	184.3	101.7	90.0	80.2	77.7	78.3	90.6	105.4	108.5
57.5°	2685.7	1980.3	196.7	85.7	75.2	70.3	69.1	69.7	80.8	97.4	101.1
60°	2222.0	1538.9	162.8	70.9	62.9	61.7	59.8	61.0	71.5	86.3	89.4
62.5°	1315.1	879.8	77.7	54.3	53.6	52.4	50.6	53.0	62.9	75.8	77.7
65°	449.5	260.8	49.3	44.4	45.6	43.8	41.9	44.4	53.0	60.4	61.0
67.5°	86.3	69.1	39.5	37.0	37.6	33.9	33.3	35.8	40.7	41.9	41.3
70°	45.0	40.1	30.2	30.2	29.0	24.0	24.0	26.5	26.5	24.7	24.0
72.5°	23.4	22.2	19.7	22.2	18.5	14.8	14.8	16.0	14.8	12.3	12.3
75°	9.2	9.2	8.6	11.1	8.0	6.8	6.2	7.4	5.5	4.3	4.3
77.5°	2.5	2.5	2.5	3.1	1.8	1.8	1.2	1.2	0.6	0.0	0.0
80°	0.0	0.6	0.0	0.6	0.0	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)