

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: P634799

Luminaire Tested: GWS-SA3C-740-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10913.9 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

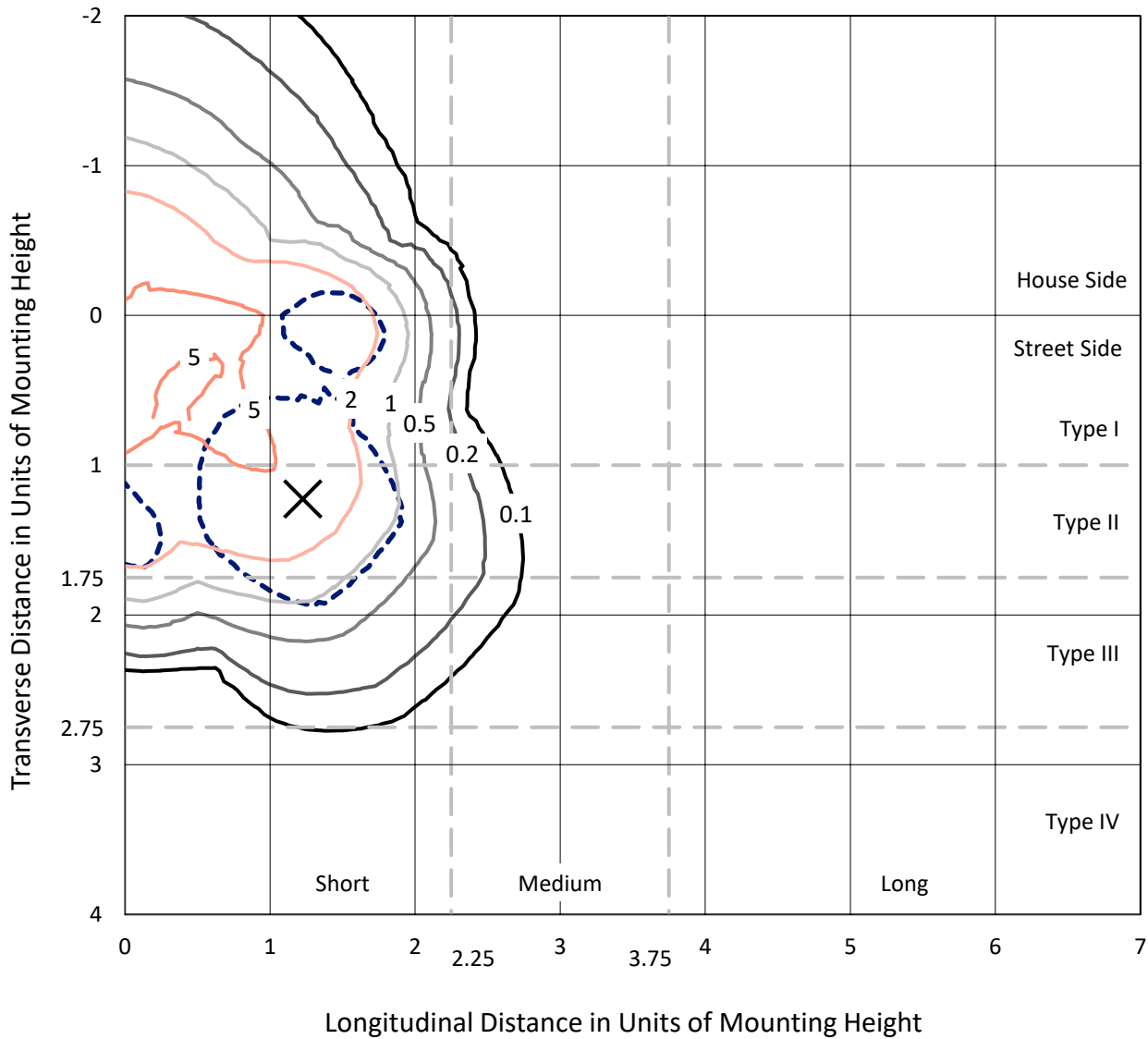
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

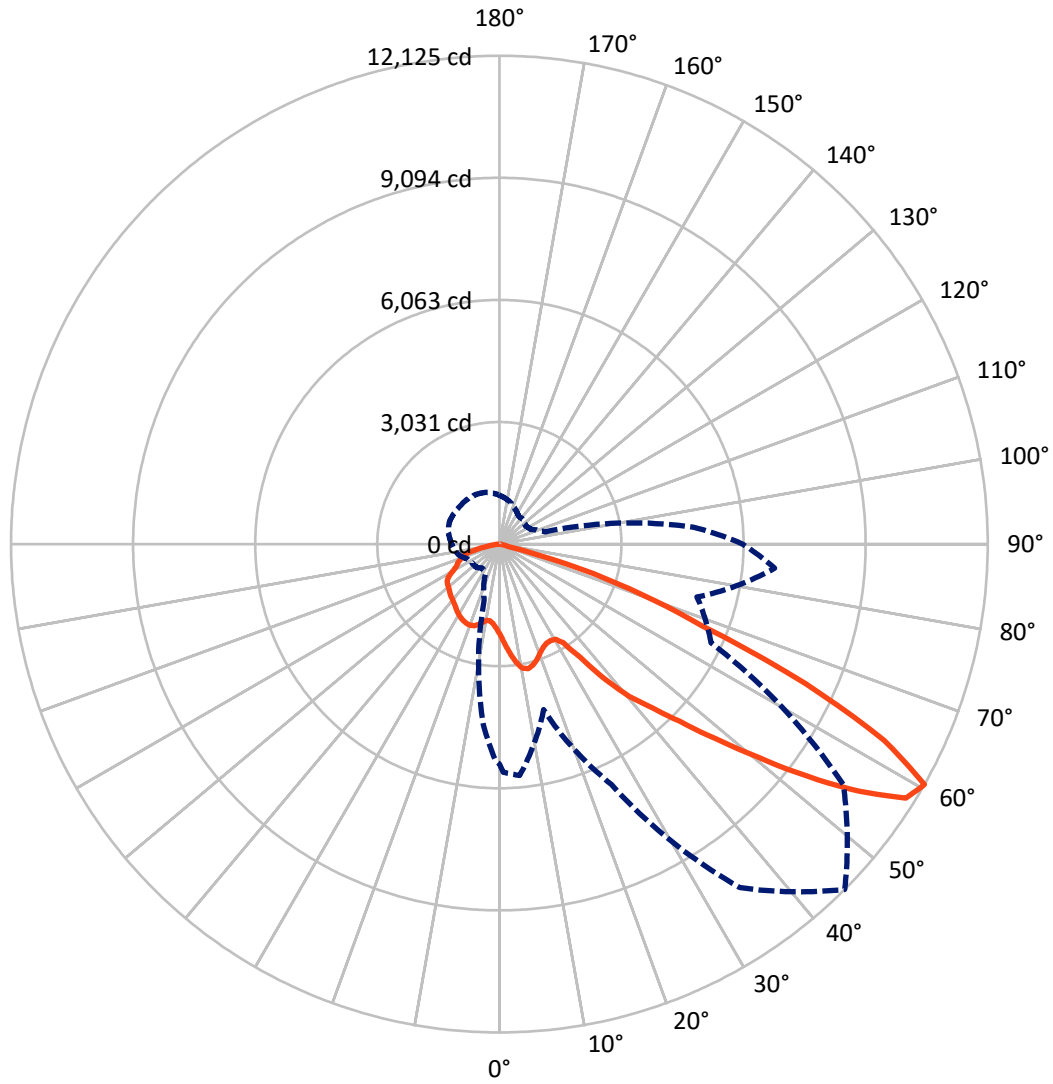
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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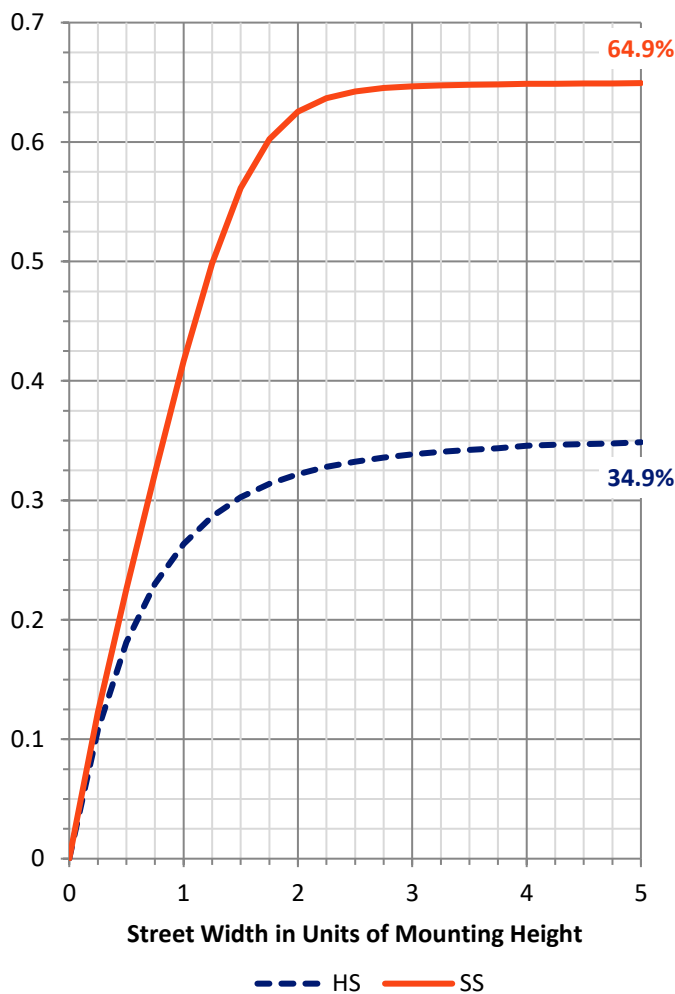
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3825.7	0.0	3825.7
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	7088.2	0.0	7088.2
	% Fixture	64.9	0.0	64.9
Total	Lumens	10913.9	0.0	10913.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.7	2.0
10°-20°	691.3	6.3
20°-30°	1122.9	10.3
30°-40°	1583.5	14.5
40°-50°	2188.4	20.1
50°-60°	2817.1	25.8
60°-70°	1785.0	16.4
70°-80°	458.0	4.2
80°-90°	49.0	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°	10913.9	100.0
0°-180°	10913.9	100.0

Coefficient of Utilization



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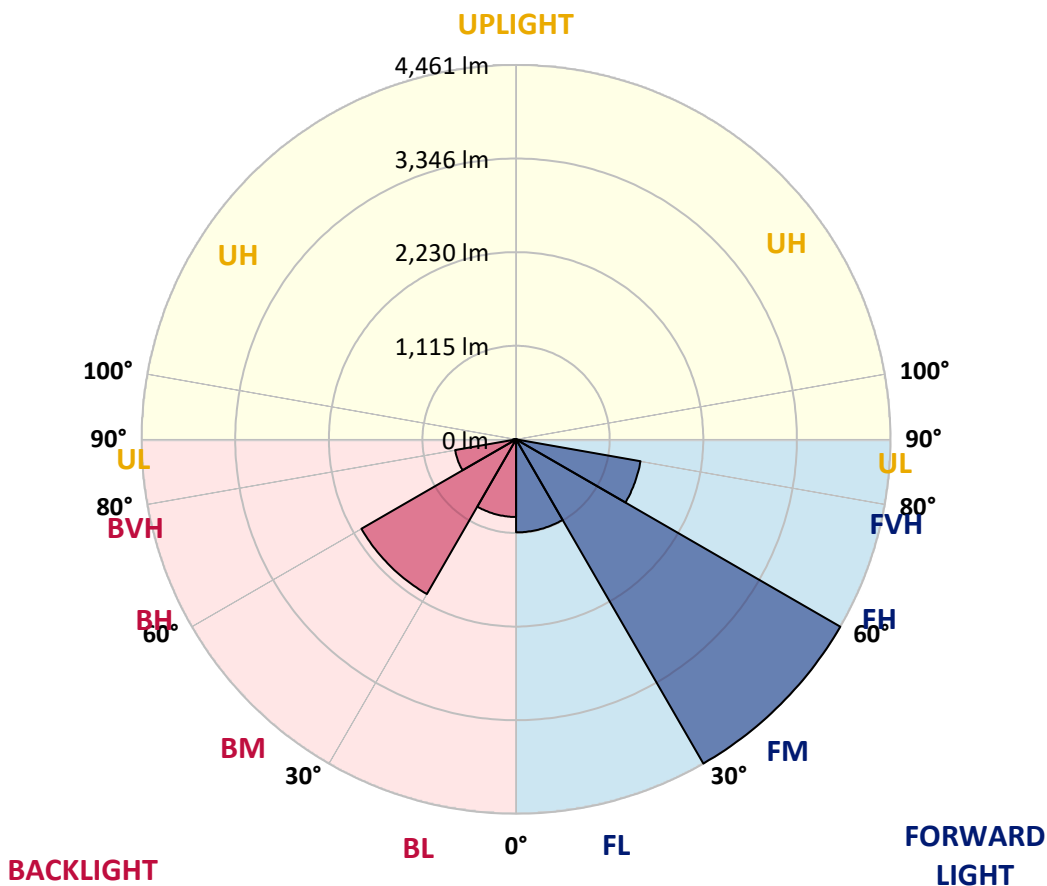
CATALOG NUMBER: GWS-SA3C-740-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1108.2	10.2			
FM (30°-60°)	4461.0	40.9			
FH (60°-80°)	1505.7	13.8			G1/1800
FVH (80°-90°)	13.3	0.1			G1/100
BL (0°-30°)	924.7	8.5	B2/1000		
BM (30°-60°)	2128.1	19.5	B2/2500		
BH (60°-80°)	737.2	6.8	B2/1000		G2/1000
BVH (80°-90°)	35.7	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1
2.5°	2345.1	2361.1	2371.1	2390.1	2424.1	2443.1	2464.1	2441.1	2447.1	2444.1	2407.1
5°	2484.1	2503.1	2529.1	2585.1	2648.1	2683.1	2716.1	2711.1	2680.1	2628.1	2591.1
7.5°	2614.1	2636.1	2681.1	2772.1	2865.1	2919.1	2959.1	2933.1	2907.1	2825.1	2732.1
10°	2716.1	2729.1	2790.1	2912.1	3020.1	3081.1	3130.1	3124.1	3088.1	2996.1	2871.1
12.5°	2812.1	2821.1	2887.1	3009.1	3106.1	3133.1	3173.1	3186.1	3174.1	3105.1	2982.1
15°	2915.1	2932.1	2993.1	3086.1	3130.1	3102.1	3116.1	3152.1	3186.1	3186.1	3073.1
17.5°	3011.1	3026.1	3088.1	3128.1	3086.1	3012.1	3016.1	3062.1	3143.1	3228.1	3156.1
20°	3096.1	3110.1	3171.1	3133.1	3000.1	2892.1	2889.1	2945.1	3076.1	3255.1	3245.1
22.5°	3189.1	3209.1	3260.1	3137.1	2920.1	2783.1	2782.1	2840.1	3017.1	3282.1	3347.1
25°	3321.1	3352.1	3378.1	3172.1	2877.1	2712.1	2725.1	2780.1	2998.1	3326.1	3498.1
27.5°	3517.1	3542.1	3540.1	3245.1	2875.1	2683.1	2710.1	2774.1	3032.1	3404.1	3657.1
30°	3729.1	3742.1	3721.1	3347.1	2921.1	2701.1	2741.1	2817.1	3118.1	3533.1	3891.1
32.5°	3964.1	3980.1	3940.1	3500.1	3028.1	2834.1	2922.1	2959.1	3239.1	3719.1	4139.1
35°	4234.1	4265.1	4182.1	3702.1	3343.1	3319.1	3447.1	3399.1	3496.1	3939.1	4404.1
37.5°	4518.1	4519.1	4400.1	4001.1	3961.1	4002.1	4258.1	4108.1	4041.1	4184.1	4674.1
40°	4759.1	4753.1	4570.1	4404.1	4499.1	4662.1	4971.1	4741.1	4565.1	4513.1	4898.1
42.5°	5000.1	4978.1	4793.1	4660.1	4870.1	5205.1	5554.1	5272.1	4901.1	4812.1	5119.1
45°	5308.1	5301.1	5078.1	4762.1	5205.1	5813.1	6276.2	5819.1	5100.1	4986.1	5487.1
47.5°	5805.1	5771.1	5356.1	4754.1	5519.1	6623.2	7208.2	6508.2	5239.1	4990.1	6081.2
50°	6291.2	6249.2	5688.1	4753.1	5843.1	7463.2	8308.2	7345.2	5381.1	5014.1	6685.2
52.5°	6782.2	6782.2	6233.2	4866.1	6183.2	8401.2	9579.2	8388.2	5623.1	5328.1	7428.2
55°	7074.2	7152.2	6846.2	5057.1	6581.2	9505.2	10836.3	9514.2	5997.1	5895.1	8114.2
57.5°	6703.2	6849.2	6805.2	4924.1	6816.2	10316.3	11902.3	10368.3	6182.2	5962.1	8011.2
60°	5462.1	5665.1	5766.1	4252.1	6584.2	10410.3	12125.3	10424.3	5800.1	5077.1	6862.2
62.5°	3631.1	3798.1	3952.1	3038.1	5700.1	9365.2	10724.3	9368.2	4844.1	3789.1	4754.1
65°	1781.0	1905.0	2071.1	1796.0	4453.1	7825.2	8361.2	7570.2	3504.1	2121.1	2425.1
67.5°	466.0	501.0	524.0	697.0	3190.1	5622.1	5453.1	5537.1	2251.1	693.0	634.0
70°	242.0	244.0	243.0	288.0	2156.1	3573.1	3758.1	3477.1	1571.0	290.0	250.0
72.5°	173.0	174.0	171.0	194.0	1041.0	2047.1	2121.1	2098.1	823.0	172.0	171.0
75°	113.0	114.0	112.0	114.0	157.0	233.0	215.0	226.0	137.0	109.0	109.0
77.5°	67.0	68.0	67.0	69.0	67.0	67.0	62.0	62.0	59.0	59.0	60.0
80°	45.0	45.0	44.0	46.0	42.0	42.0	40.0	39.0	36.0	35.0	35.0
82.5°	27.0	28.0	27.0	27.0	25.0	25.0	23.0	22.0	19.0	19.0	18.0
85°	14.0	14.0	13.0	13.0	11.0	10.0	8.0	8.0	6.0	5.0	5.0
87.5°	2.0	2.0	1.0	1.0	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°	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1
2.5°	2397.1	2377.1	2347.1	2318.1	2291.1	2263.1	2231.1	2198.1	2170.1	2141.1	2126.1
5°	2542.1	2501.1	2423.1	2354.1	2292.1	2241.1	2186.1	2139.1	2095.1	2059.1	2041.1
7.5°	2673.1	2609.1	2491.1	2382.1	2298.1	2228.1	2152.1	2082.1	2023.1	1979.0	1962.0
10°	2794.1	2718.1	2563.1	2425.1	2327.1	2249.1	2156.1	2061.1	1983.0	1925.0	1911.0
12.5°	2892.1	2805.1	2620.1	2460.1	2344.1	2260.1	2178.1	2096.1	2019.0	1944.0	1932.0
15°	2979.1	2876.1	2663.1	2482.1	2338.1	2231.1	2162.1	2152.1	2152.1	2067.1	2043.1
17.5°	3054.1	2941.1	2698.1	2492.1	2300.1	2145.1	2103.1	2190.1	2288.1	2227.1	2173.1
20°	3140.1	3003.1	2727.1	2492.1	2230.1	2036.1	2032.1	2180.1	2325.1	2326.1	2269.1
22.5°	3227.1	3075.1	2761.1	2483.1	2134.1	1910.0	1984.0	2140.1	2269.1	2324.1	2285.1
25°	3368.1	3175.1	2815.1	2476.1	2022.1	1824.0	1941.0	2087.1	2196.1	2254.1	2229.1
27.5°	3547.1	3307.1	2897.1	2487.1	1911.0	1773.0	1895.0	2018.0	2117.1	2168.1	2150.1
30°	3747.1	3459.1	2985.1	2506.1	1831.0	1747.0	1840.0	1939.0	2027.1	2078.1	2070.1
32.5°	4002.1	3624.1	3061.1	2480.1	1786.0	1734.0	1782.0	1853.0	1938.0	1970.0	1977.0
35°	4307.1	3806.1	3119.1	2378.1	1745.0	1720.0	1719.0	1763.0	1823.0	1874.0	1879.0
37.5°	4588.1	4019.1	3183.1	2203.1	1671.0	1685.0	1645.0	1671.0	1730.0	1781.0	1801.0
40°	4866.1	4235.1	3272.1	1980.0	1574.0	1607.0	1560.0	1578.0	1625.0	1692.0	1724.0
42.5°	5136.1	4430.1	3366.1	1752.0	1477.0	1498.0	1463.0	1481.0	1530.0	1614.0	1650.0
45°	5430.1	4694.1	3439.1	1537.0	1393.0	1384.0	1356.0	1382.0	1456.0	1548.0	1591.0
47.5°	5986.1	5110.1	3487.1	1394.0	1348.0	1283.0	1251.0	1307.0	1391.0	1484.0	1536.0
50°	6665.2	5712.1	3473.1	1303.0	1309.0	1179.0	1168.0	1242.0	1332.0	1429.0	1486.0
52.5°	7203.2	6303.2	3314.1	1216.0	1233.0	1113.0	1081.0	1189.0	1275.0	1374.0	1433.0
55°	7614.2	6502.2	2826.1	1113.0	1109.0	1065.0	998.0	1134.0	1218.0	1310.0	1374.0
57.5°	7279.2	6059.1	2095.1	971.0	947.0	970.0	905.0	1041.0	1148.0	1239.0	1296.0
60°	6041.1	4831.1	1167.0	860.0	792.0	848.0	838.0	943.0	1072.0	1168.0	1217.0
62.5°	4101.1	3217.1	692.0	680.0	642.0	722.0	775.0	844.0	971.0	1049.0	1095.0
65°	2044.1	1563.0	460.0	509.0	514.0	594.0	694.0	770.0	876.0	956.0	1002.0
67.5°	593.0	486.0	350.0	389.0	443.0	507.0	587.0	677.0	780.0	875.0	929.0
70°	256.0	259.0	278.0	324.0	377.0	443.0	523.0	611.0	698.0	771.0	812.0
72.5°	181.0	188.0	209.0	256.0	306.0	369.0	449.0	534.0	597.0	671.0	714.0
75°	116.0	121.0	138.0	174.0	211.0	272.0	348.0	426.0	491.0	544.0	585.0
77.5°	64.0	65.0	79.0	100.0	125.0	164.0	220.0	281.0	329.0	359.0	396.0
80°	37.0	37.0	44.0	57.0	72.0	96.0	127.0	157.0	186.0	205.0	223.0
82.5°	20.0	20.0	23.0	31.0	39.0	53.0	71.0	86.0	104.0	114.0	126.0
85°	6.0	6.0	8.0	11.0	14.0	20.0	28.0	36.0	44.0	51.0	58.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1
2.5°	2123.1	2109.1	2101.1	2091.1	2094.1	2085.1	2080.1	2083.1	2065.1	2083.1	2101.1
5°	2034.1	2014.0	1998.0	1985.0	1979.0	1967.0	1960.0	1960.0	1949.0	1967.0	1989.0
7.5°	1956.0	1940.0	1932.0	1924.0	1915.0	1904.0	1892.0	1888.0	1881.0	1900.0	1919.0
10°	1904.0	1906.0	1911.0	1922.0	1920.0	1913.0	1895.0	1885.0	1885.0	1907.0	1936.0
12.5°	1928.0	1949.0	1961.0	1981.0	1985.0	1979.0	1961.0	1953.0	1973.0	2006.0	2054.1
15°	2021.1	2035.1	2045.1	2061.1	2060.1	2055.1	2041.1	2047.1	2113.1	2177.1	2220.1
17.5°	2122.1	2106.1	2104.1	2114.1	2117.1	2111.1	2103.1	2130.1	2239.1	2299.1	2321.1
20°	2195.1	2140.1	2128.1	2132.1	2140.1	2137.1	2137.1	2181.1	2294.1	2322.1	2294.1
22.5°	2217.1	2139.1	2121.1	2122.1	2133.1	2134.1	2139.1	2185.1	2251.1	2252.1	2209.1
25°	2182.1	2107.1	2094.1	2096.1	2109.1	2108.1	2110.1	2136.1	2165.1	2153.1	2121.1
27.5°	2116.1	2051.1	2047.1	2058.1	2075.1	2066.1	2060.1	2067.1	2081.1	2066.1	2038.1
30°	2041.1	1986.0	1988.0	2009.0	2027.1	2012.0	1997.0	2001.0	2002.0	1986.0	1954.0
32.5°	1962.0	1921.0	1928.0	1950.0	1971.0	1955.0	1939.0	1937.0	1918.0	1899.0	1868.0
35°	1883.0	1867.0	1876.0	1894.0	1912.0	1899.0	1889.0	1883.0	1842.0	1814.0	1788.0
37.5°	1811.0	1823.0	1839.0	1850.0	1856.0	1855.0	1849.0	1835.0	1781.0	1748.0	1714.0
40°	1747.0	1784.0	1801.0	1806.0	1815.0	1813.0	1812.0	1792.0	1721.0	1686.0	1647.0
42.5°	1689.0	1741.0	1770.0	1775.0	1780.0	1781.0	1778.0	1749.0	1668.0	1627.0	1590.0
45°	1633.0	1701.0	1738.0	1733.0	1740.0	1740.0	1743.0	1705.0	1616.0	1574.0	1535.0
47.5°	1584.0	1664.0	1698.0	1692.0	1696.0	1699.0	1702.0	1658.0	1559.0	1519.0	1479.0
50°	1539.0	1624.0	1653.0	1655.0	1655.0	1662.0	1661.0	1618.0	1511.0	1468.0	1428.0
52.5°	1491.0	1583.0	1614.0	1627.0	1631.0	1634.0	1620.0	1570.0	1462.0	1410.0	1373.0
55°	1435.0	1541.0	1569.0	1586.0	1594.0	1592.0	1573.0	1522.0	1412.0	1360.0	1318.0
57.5°	1350.0	1451.0	1491.0	1499.0	1512.0	1504.0	1482.0	1439.0	1332.0	1280.0	1237.0
60°	1257.0	1330.0	1362.0	1369.0	1359.0	1362.0	1359.0	1318.0	1225.0	1184.0	1140.0
62.5°	1135.0	1200.0	1234.0	1243.0	1226.0	1237.0	1233.0	1182.0	1089.0	1046.0	1007.0
65°	1043.0	1114.0	1154.0	1159.0	1154.0	1159.0	1145.0	1083.0	995.0	951.0	911.0
67.5°	971.0	1044.0	1086.0	1100.0	1095.0	1094.0	1072.0	1000.0	909.0	861.0	810.0
70°	847.0	911.0	965.0	999.0	999.0	980.0	938.0	871.0	798.0	757.0	717.0
72.5°	750.0	831.0	884.0	919.0	926.0	915.0	856.0	785.0	701.0	660.0	618.0
75°	618.0	697.0	754.0	800.0	809.0	797.0	729.0	659.0	581.0	541.0	499.0
77.5°	413.0	460.0	506.0	548.0	539.0	547.0	501.0	448.0	400.0	370.0	351.0
80°	233.0	264.0	278.0	301.0	301.0	301.0	271.0	246.0	219.0	202.0	183.0
82.5°	132.0	152.0	158.0	177.0	182.0	183.0	163.0	147.0	130.0	121.0	108.0
85°	61.0	72.0	73.0	84.0	88.0	96.0	87.0	76.0	66.0	62.0	54.0
87.5°	2.0	6.0	8.0	15.0	20.0	23.0	25.0	25.0	21.0	19.0	16.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1	2242.1
2.5°	2123.1	2147.1	2175.1	2195.1	2231.1	2261.1	2292.1	2326.1	2351.1	2345.1
5°	2016.0	2056.1	2107.1	2154.1	2221.1	2289.1	2364.1	2441.1	2486.1	2484.1
7.5°	1956.0	2013.0	2075.1	2138.1	2217.1	2315.1	2430.1	2550.1	2611.1	2614.1
10°	1988.0	2049.1	2091.1	2144.1	2227.1	2350.1	2488.1	2632.1	2702.1	2716.1
12.5°	2089.1	2084.1	2081.1	2119.1	2219.1	2375.1	2544.1	2716.1	2795.1	2812.1
15°	2185.1	2082.1	2020.0	2046.1	2183.1	2391.1	2599.1	2808.1	2897.1	2915.1
17.5°	2203.1	2047.1	1932.0	1950.0	2126.1	2396.1	2652.1	2898.1	2994.1	3011.1
20°	2153.1	2002.0	1868.0	1843.0	2054.1	2383.1	2685.1	2973.1	3078.1	3096.1
22.5°	2090.1	1962.0	1820.0	1755.0	1966.0	2370.1	2722.1	3052.1	3173.1	3189.1
25°	2024.1	1911.0	1775.0	1676.0	1866.0	2362.1	2784.1	3156.1	3302.1	3321.1
27.5°	1954.0	1849.0	1736.0	1638.0	1774.0	2372.1	2872.1	3324.1	3490.1	3517.1
30°	1879.0	1787.0	1711.0	1625.0	1711.0	2381.1	2969.1	3496.1	3691.1	3729.1
32.5°	1801.0	1730.0	1685.0	1631.0	1672.0	2360.1	3054.1	3689.1	3931.1	3964.1
35°	1723.0	1672.0	1652.0	1642.0	1620.0	2283.1	3123.1	3884.1	4205.1	4234.1
37.5°	1650.0	1612.0	1606.0	1617.0	1540.0	2157.1	3203.1	4132.1	4474.1	4518.1
40°	1582.0	1547.0	1546.0	1544.0	1452.0	1985.0	3311.1	4384.1	4739.1	4759.1
42.5°	1519.0	1475.0	1483.0	1459.0	1380.0	1799.0	3413.1	4599.1	4986.1	5000.1
45°	1463.0	1405.0	1414.0	1384.0	1346.0	1604.0	3503.1	4853.1	5299.1	5308.1
47.5°	1409.0	1347.0	1322.0	1320.0	1340.0	1424.0	3591.1	5342.1	5789.1	5805.1
50°	1359.0	1292.0	1221.0	1265.0	1303.0	1289.0	3701.1	5866.1	6295.2	6291.2
52.5°	1311.0	1223.0	1122.0	1207.0	1207.0	1189.0	3670.1	6184.2	6713.2	6782.2
55°	1256.0	1112.0	1019.0	1110.0	1066.0	1099.0	3121.1	6288.2	6976.2	7074.2
57.5°	1147.0	975.0	894.0	943.0	877.0	1019.0	2242.1	5772.1	6529.2	6703.2
60°	1042.0	874.0	821.0	812.0	726.0	831.0	1453.0	4519.1	5374.1	5462.1
62.5°	919.0	787.0	742.0	673.0	584.0	605.0	880.0	2974.1	3611.1	3631.1
65°	826.0	713.0	627.0	545.0	478.0	439.0	520.0	1434.0	1805.0	1781.0
67.5°	709.0	611.0	529.0	470.0	415.0	366.0	346.0	426.0	482.0	466.0
70°	631.0	537.0	458.0	402.0	351.0	302.0	267.0	251.0	246.0	242.0
72.5°	544.0	462.0	380.0	326.0	278.0	233.0	201.0	182.0	177.0	173.0
75°	434.0	357.0	282.0	231.0	189.0	157.0	136.0	120.0	117.0	113.0
77.5°	287.0	229.0	168.0	137.0	112.0	95.0	81.0	71.0	69.0	67.0
80°	158.0	132.0	103.0	83.0	67.0	58.0	53.0	47.0	46.0	45.0
82.5°	94.0	79.0	59.0	47.0	39.0	35.0	32.0	29.0	28.0	27.0
85°	47.0	37.0	26.0	22.0	20.0	18.0	18.0	15.0	14.0	14.0
87.5°	12.0	10.0	6.0	5.0	5.0	5.0	4.0	3.0	3.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)