

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P145165

Luminaire Tested: **LDRL-SL3-F05-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145165
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SL3-F05-E
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12253.7 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

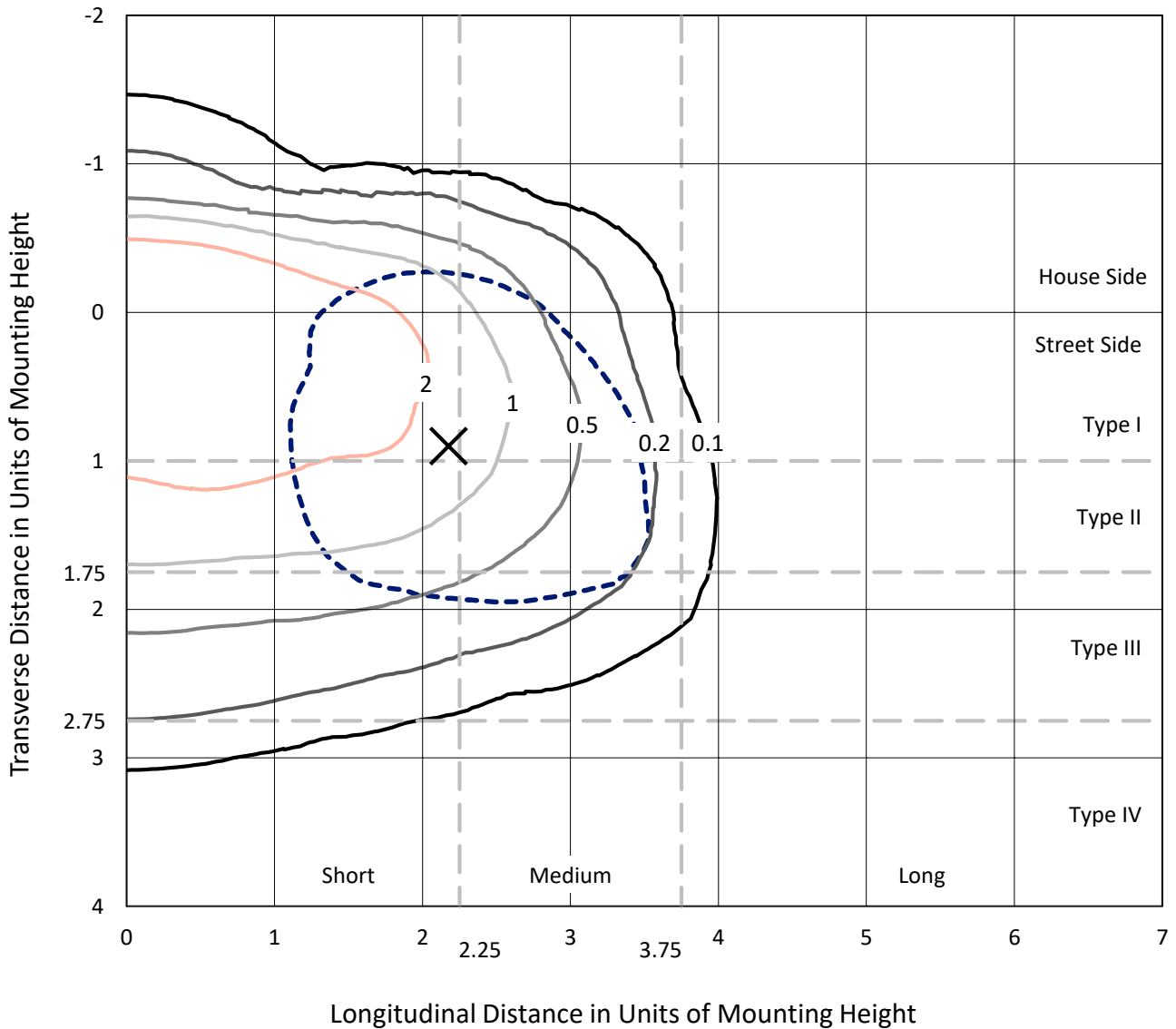
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

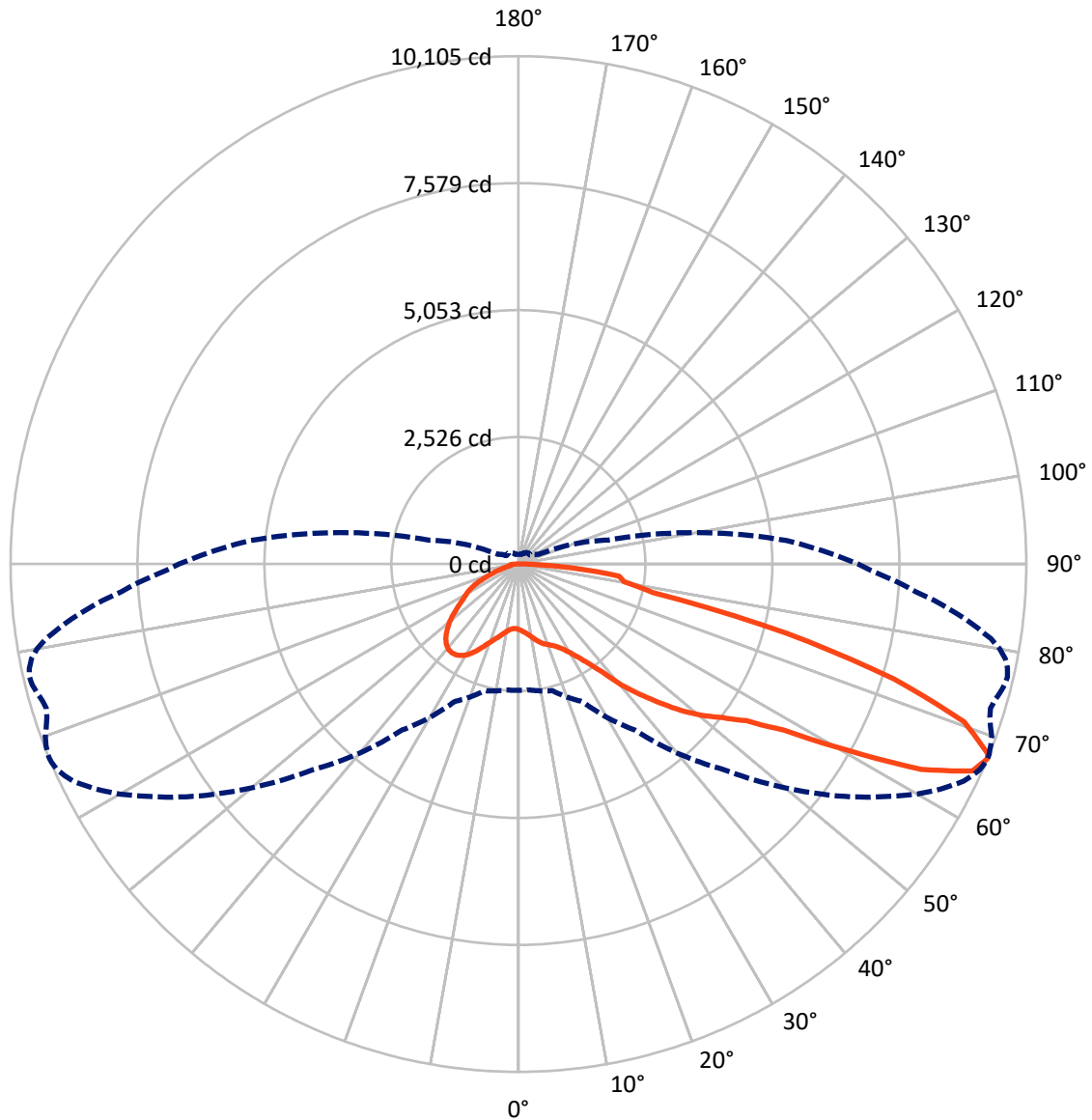
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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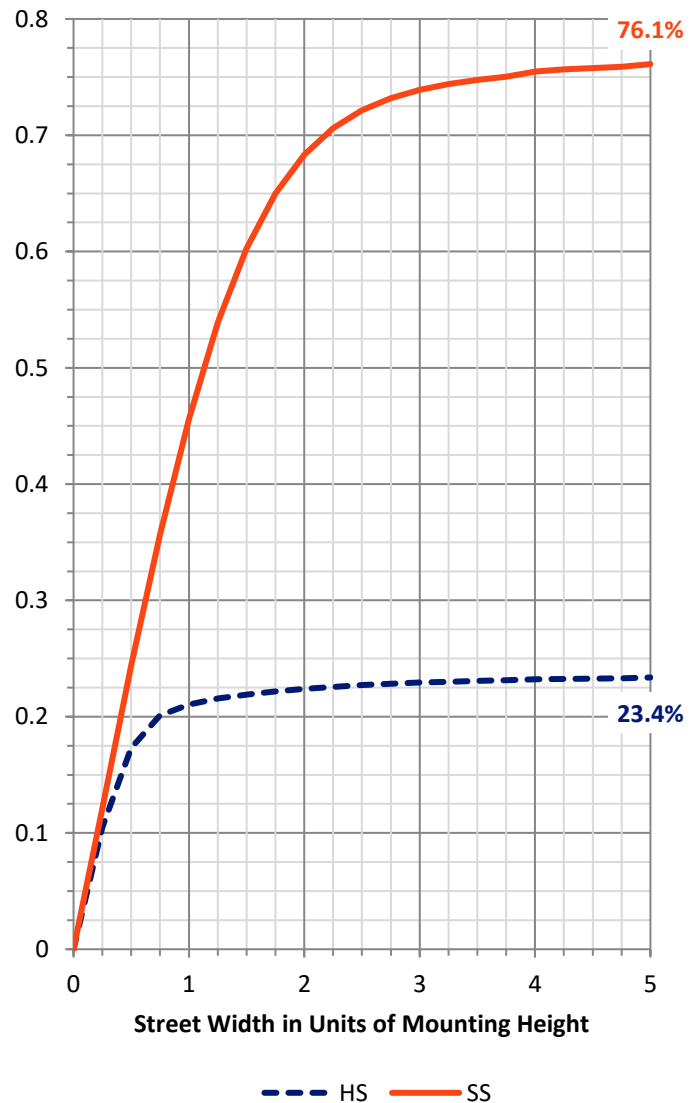
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2901.6	0.0	2901.6
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	9352.1	0.0	9352.1
	% Fixture	76.3	0.0	76.3
Total	Lumens	12253.7	0.0	12253.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	1.1
10°-20°	445.5	3.6
20°-30°	793.1	6.5
30°-40°	1155.3	9.4
40°-50°	1780.0	14.5
50°-60°	2606.9	21.3
60°-70°	3461.7	28.3
70°-80°	1631.7	13.3
80°-90°	249.5	2.0
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°	12253.7	100.0
0°-180°	12253.7	100.0



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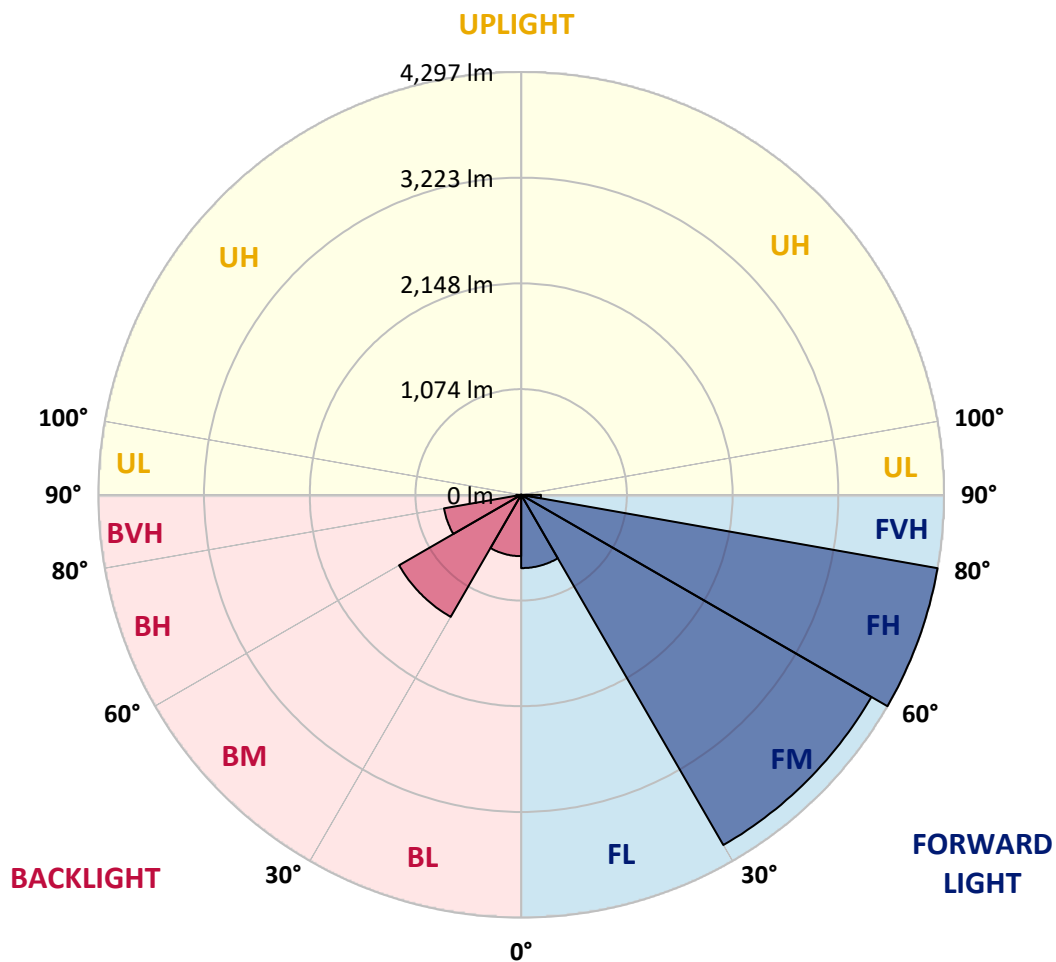
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	744.9	6.1			
FM	(30°-60°)	4109.3	33.5			
FH	(60°-80°)	4296.8	35.1			G2/5000
FVH	(80°-90°)	201.0	1.6			G2/225
BL	(0°-30°)	623.8	5.1	B2/1000		
BM	(30°-60°)	1432.8	11.7	B2/2500		
BH	(60°-80°)	796.6	6.5	B2/1000		G2/1000
BVH	(80°-90°)	48.4	0.4			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°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5
2.5°	1368.7	1362.9	1363.8	1366.2	1358.0	1353.9	1344.8	1339.0	1338.2	1337.4	1334.0
5°	1448.8	1443.0	1445.5	1438.9	1423.2	1412.5	1393.5	1383.6	1381.9	1380.3	1376.2
7.5°	1532.2	1524.7	1516.5	1509.1	1491.7	1474.4	1449.6	1434.8	1433.1	1430.6	1428.2
10°	1631.2	1620.5	1613.9	1590.8	1561.1	1537.1	1512.4	1496.7	1495.9	1493.4	1488.4
12.5°	1742.7	1731.1	1718.7	1688.2	1642.0	1606.5	1577.6	1568.5	1561.1	1561.9	1556.9
15°	1853.3	1840.9	1824.4	1785.6	1724.5	1671.7	1634.5	1621.3	1622.2	1618.0	1620.5
17.5°	1946.6	1935.9	1911.9	1862.4	1791.4	1718.7	1671.7	1665.9	1667.6	1666.7	1669.2
20°	2007.7	2001.1	1964.7	1905.3	1825.2	1745.2	1697.3	1697.3	1698.1	1701.4	1707.2
22.5°	2044.8	2034.9	1987.0	1903.7	1824.4	1757.5	1720.4	1728.6	1733.6	1736.1	1745.2
25°	2065.5	2053.1	1987.9	1877.2	1796.3	1766.6	1755.1	1775.7	1784.0	1788.1	1802.9
27.5°	2065.5	2050.6	1977.1	1844.2	1764.1	1793.9	1821.1	1856.6	1862.4	1874.8	1892.1
30°	2042.3	2030.8	1960.6	1819.5	1755.9	1845.0	1927.6	1968.1	1982.1	1996.1	2018.4
32.5°	2017.6	2007.7	1952.4	1832.7	1802.1	1952.4	2090.2	2145.5	2153.8	2165.4	2188.5
35°	2015.9	2012.6	1988.7	1916.9	1941.6	2148.8	2335.4	2373.4	2396.5	2402.3	2412.2
37.5°	2033.3	2039.9	2060.5	2053.1	2142.2	2441.1	2656.5	2732.5	2750.6	2740.7	2749.8
40°	2073.7	2090.2	2167.0	2261.9	2448.5	2794.4	3094.1	3181.6	3201.4	3195.6	3193.1
42.5°	2201.7	2224.0	2337.1	2540.1	2767.2	3160.1	3500.2	3594.3	3600.9	3604.2	3582.8
45°	2402.3	2414.7	2564.9	2824.1	3112.2	3553.9	3905.6	4010.4	4006.3	3989.8	3974.1
47.5°	2630.1	2655.7	2835.7	3149.4	3468.9	3917.9	4315.8	4418.2	4427.3	4412.4	4383.5
50°	2837.3	2857.1	3060.2	3432.5	3783.4	4220.9	4661.7	4764.9	4763.3	4771.5	4779.8
52.5°	3000.8	3018.9	3212.1	3621.6	4014.5	4475.2	4922.6	5049.7	5069.5	5082.8	5099.3
55°	3085.0	3104.0	3282.3	3700.0	4154.9	4723.7	5223.9	5406.4	5440.2	5469.9	5497.2
57.5°	3086.6	3111.4	3274.9	3694.2	4227.5	4945.7	5622.7	5950.4	5998.3	6074.2	6167.5
60°	3036.3	3071.0	3217.9	3640.6	4310.9	5227.2	6279.8	6907.2	7001.3	7134.2	7253.9
62.5°	2905.0	2939.7	3071.0	3504.4	4408.3	5588.0	7229.1	8148.8	8349.4	8496.3	8733.2
65°	2697.8	2730.8	2841.5	3279.0	4330.7	5872.8	7936.6	9039.5	9244.2	9428.3	9706.5
67°	2512.9	2516.2	2609.5	3020.6	4028.6	5784.5	8078.6	9158.4	9347.4	9534.0	9856.8
67.5°	2447.7	2465.8	2538.5	2934.7	3913.8	5719.2	8022.5	9094.0	9277.2	9476.2	9805.6
70°	1978.8	1983.7	2053.9	2341.2	3105.6	4741.8	7206.0	8272.6	8398.1	8689.5	9013.1
72.5°	1206.9	1198.7	1221.0	1433.9	2044.0	3283.9	5769.6	6810.6	6982.3	7230.8	7449.5
75°	664.5	704.2	731.4	879.2	1148.3	1930.9	3928.7	4927.6	5179.3	5327.1	5370.9
77.5°	406.2	402.9	415.2	567.1	941.9	1320.8	2170.3	2891.0	3031.3	3073.4	2910.8
80°	193.2	200.6	198.1	233.6	456.5	1114.5	1517.3	1856.6	1927.6	1968.1	2020.9
82.5°	105.7	109.8	124.7	139.5	180.0	479.6	1309.3	1712.1	1760.0	1829.4	1907.0
85°	66.0	69.3	95.8	100.7	110.6	147.8	545.7	1000.5	1041.0	1178.8	1222.6
87.5°	27.2	29.7	52.0	47.1	56.1	52.0	165.1	254.3	269.9	287.3	318.7
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):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5
2.5°	1334.9	1334.0	1330.7	1329.9	1331.6	1331.6	1329.9	1327.4	1326.6	1325.8	1324.1
5°	1374.5	1372.8	1370.4	1368.7	1367.9	1367.9	1365.4	1362.9	1360.5	1357.2	1356.3
7.5°	1421.6	1421.6	1420.7	1418.3	1415.8	1412.5	1410.0	1407.5	1405.0	1403.4	1400.9
10°	1483.5	1486.8	1481.0	1479.3	1478.5	1473.6	1472.7	1470.3	1468.6	1464.5	1464.5
12.5°	1556.9	1553.6	1552.8	1549.5	1549.5	1547.0	1546.2	1545.4	1543.7	1540.4	1539.6
15°	1618.0	1618.0	1617.2	1615.6	1617.2	1615.6	1613.1	1614.7	1612.3	1613.1	1610.6
17.5°	1667.6	1670.9	1670.0	1670.9	1670.0	1670.0	1671.7	1671.7	1673.3	1670.0	1670.9
20°	1708.8	1713.8	1716.3	1714.6	1716.3	1717.1	1721.2	1722.9	1725.3	1727.0	1727.0
22.5°	1751.8	1758.4	1763.3	1763.3	1766.6	1769.9	1777.4	1779.0	1784.8	1784.0	1788.1
25°	1812.0	1822.8	1826.1	1831.0	1835.1	1840.9	1850.0	1854.1	1856.6	1862.4	1869.0
27.5°	1904.5	1917.7	1920.2	1925.9	1936.7	1940.0	1949.9	1954.0	1963.1	1975.5	1978.0
30°	2030.8	2047.3	2048.1	2054.7	2067.1	2071.2	2079.5	2090.2	2097.7	2110.0	2110.9
32.5°	2202.5	2219.0	2216.5	2228.9	2228.1	2240.5	2238.0	2254.5	2261.1	2267.7	2285.9
35°	2431.2	2429.5	2441.9	2446.0	2443.6	2453.5	2451.8	2459.2	2465.8	2465.8	2485.7
37.5°	2760.6	2758.1	2756.4	2739.1	2735.0	2735.8	2732.5	2739.1	2728.4	2728.4	2749.8
40°	3202.2	3187.4	3175.8	3164.2	3152.7	3137.0	3123.8	3120.5	3102.3	3101.5	3093.2
42.5°	3586.1	3572.0	3563.8	3541.5	3529.9	3527.5	3495.3	3486.2	3481.2	3484.5	3476.3
45°	3988.9	3974.1	3942.7	3932.8	3929.5	3912.2	3907.2	3884.9	3878.3	3889.9	3885.7
47.5°	4404.2	4382.7	4365.4	4353.8	4349.7	4334.8	4313.4	4331.5	4322.4	4315.8	4303.5
50°	4777.3	4753.4	4753.4	4732.7	4736.0	4726.1	4703.8	4708.8	4683.2	4693.1	4686.5
52.5°	5090.2	5091.8	5100.1	5077.0	5081.1	5081.1	5073.7	5049.7	5056.3	5053.0	5068.7
55°	5488.1	5515.3	5500.5	5504.6	5509.6	5532.7	5549.2	5535.1	5512.0	5530.2	5580.5
57.5°	6184.0	6208.8	6223.6	6235.2	6254.2	6264.9	6354.1	6366.4	6340.0	6394.5	6506.8
60°	7394.2	7423.9	7468.5	7527.1	7539.5	7614.6	7660.9	7715.4	7735.2	7782.2	7902.8
62.5°	8849.6	8916.5	8924.7	8999.0	9056.8	8986.7	9004.8	9071.7	8995.7	9099.8	9104.7
65°	9802.3	9899.7	9903.0	9930.2	9951.7	9885.7	9855.9	9826.2	9754.4	9750.3	9822.1
67°	9965.7	10054.9	10092.0	10105.3	10101.9	10068.1	10019.4	9933.5	9864.2	9824.6	9854.3
67.5°	9919.5	10007.0	10059.0	10071.4	10072.2	10039.2	9994.6	9901.3	9836.1	9791.6	9822.9
70°	9160.0	9364.8	9453.9	9407.7	9434.1	9434.1	9432.4	9346.6	9314.4	9271.5	9255.0
72.5°	7616.3	7758.3	7871.4	7811.1	7818.5	7874.7	7861.5	7870.6	7778.1	7768.2	7615.5
75°	5455.9	5501.3	5463.3	5506.3	5275.1	5192.6	5052.2	4847.5	4793.8	4708.8	4454.5
77.5°	2898.4	2847.2	2745.7	2737.4	2642.5	2569.0	2478.2	2418.8	2268.5	2185.2	1994.5
80°	2047.3	2072.1	2110.9	2134.0	2155.4	2172.0	2138.1	2043.2	1917.7	1777.4	1644.4
82.5°	1955.7	1989.5	2012.6	2024.2	2015.9	1989.5	1911.9	1821.1	1653.5	1532.2	1388.5
85°	1233.3	1260.6	1213.5	1203.6	1224.3	1057.5	965.9	891.6	722.3	672.0	593.6
87.5°	331.0	349.2	350.0	339.3	332.7	293.1	259.2	229.5	189.9	178.3	144.5
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5
2.5°	1324.1	1323.3	1323.3	1320.8	1319.2	1318.4	1317.5	1315.1	1313.4	1313.4	1312.6
5°	1355.5	1353.9	1351.4	1350.6	1347.3	1345.6	1342.3	1340.7	1338.2	1336.5	1335.7
7.5°	1400.1	1396.0	1391.0	1391.8	1386.9	1384.4	1382.8	1379.5	1377.0	1374.5	1373.7
10°	1459.5	1458.7	1453.7	1455.4	1446.3	1450.4	1442.2	1443.0	1438.1	1433.1	1432.3
12.5°	1535.5	1534.7	1529.7	1523.9	1522.3	1523.1	1518.1	1519.0	1513.2	1511.5	1509.9
15°	1608.1	1606.5	1604.0	1599.9	1597.4	1596.6	1594.9	1593.3	1588.3	1588.3	1582.5
17.5°	1670.9	1671.7	1668.4	1665.1	1663.4	1661.0	1660.1	1660.1	1656.0	1651.9	1652.7
20°	1726.2	1727.8	1727.8	1725.3	1726.2	1724.5	1723.7	1725.3	1721.2	1719.6	1717.1
22.5°	1788.1	1788.1	1788.9	1790.6	1793.0	1793.9	1793.9	1792.2	1789.7	1788.9	1784.0
25°	1873.9	1870.6	1874.8	1876.4	1876.4	1880.5	1878.9	1879.7	1880.5	1878.1	1875.6
27.5°	1982.1	1978.8	1987.0	1992.8	1992.0	1994.5	1999.4	1993.6	1996.9	1999.4	1993.6
30°	2115.0	2123.3	2129.0	2133.2	2131.5	2138.9	2141.4	2140.6	2138.1	2142.2	2142.2
32.5°	2284.2	2280.1	2295.0	2304.0	2304.9	2303.2	2307.3	2312.3	2308.2	2314.8	2311.5
35°	2485.7	2488.1	2491.4	2501.3	2505.5	2498.9	2505.5	2511.2	2509.6	2510.4	2513.7
37.5°	2745.7	2749.8	2746.5	2747.3	2745.7	2777.1	2782.0	2787.0	2781.2	2776.2	2791.1
40°	3106.5	3106.5	3105.6	3116.4	3098.2	3118.0	3112.2	3126.3	3141.1	3132.9	3155.2
42.5°	3461.4	3481.2	3482.9	3467.2	3480.4	3501.9	3501.9	3511.0	3524.2	3511.0	3532.4
45°	3868.4	3893.2	3889.0	3915.5	3895.7	3920.4	3924.5	3913.0	3941.9	3945.2	3936.9
47.5°	4312.5	4317.5	4318.3	4327.4	4331.5	4351.3	4350.5	4372.0	4365.4	4332.4	4343.9
50°	4693.1	4705.5	4712.1	4717.9	4738.5	4752.5	4771.5	4774.8	4769.9	4760.0	4750.9
52.5°	5073.7	5103.4	5122.4	5173.6	5205.8	5231.4	5262.7	5274.3	5268.5	5266.0	5229.7
55°	5583.0	5654.0	5763.8	5834.8	5912.4	5957.8	5994.1	6012.3	5999.1	6005.7	5930.6
57.5°	6542.3	6709.0	6804.8	6926.2	7063.2	7120.2	7135.8	7200.2	7129.2	7058.2	7001.3
60°	7968.0	8121.5	8295.7	8420.4	8466.6	8624.3	8550.0	8466.6	8390.6	8243.7	8077.8
62.5°	9255.0	9453.1	9542.2	9658.6	9627.3	9614.1	9564.5	9431.6	9269.0	9050.2	8829.0
65°	9889.8	10001.2	10056.5	10094.5	10059.0	9967.4	9803.9	9607.5	9374.7	9091.5	8800.9
67°	9915.4	9966.6	9984.7	9948.4	9869.2	9726.3	9520.0	9241.8	8955.3	8630.9	8304.0
67.5°	9873.3	9907.1	9916.2	9859.2	9765.1	9610.8	9390.3	9093.2	8788.5	8451.7	8123.2
70°	9298.7	9273.9	9193.9	9115.4	8821.6	8614.4	8230.5	7913.5	7490.8	7181.2	6830.4
72.5°	7554.4	7441.3	7363.7	7017.0	6662.0	6456.4	6043.7	5664.8	5279.2	4984.5	4769.1
75°	4240.7	4158.2	3942.7	3759.4	3466.4	3198.1	3005.7	2764.7	2533.5	2396.5	2295.8
77.5°	1916.0	1679.9	1517.3	1311.8	1060.0	851.9	632.4	584.5	498.6	477.2	430.1
80°	1495.0	1325.8	1112.8	877.5	619.1	416.1	305.4	259.2	243.5	233.6	228.7
82.5°	1247.4	1027.8	865.2	614.2	392.9	264.2	199.0	180.0	168.4	160.2	152.7
85°	533.3	421.8	347.5	248.5	176.7	139.5	122.2	111.4	100.7	91.6	85.9
87.5°	124.7	95.8	87.5	74.3	70.2	69.3	68.5	65.2	61.1	56.1	50.4
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5
2.5°	1311.8	1310.9	1309.3	1306.8	1306.8	1303.5	1292.8	1285.3	1277.1	1272.1	1267.2
5°	1334.0	1333.2	1329.1	1326.6	1325.0	1318.4	1300.2	1286.2	1271.3	1260.6	1252.3
7.5°	1371.2	1368.7	1365.4	1363.8	1358.8	1350.6	1324.1	1304.3	1282.9	1265.5	1251.5
10°	1431.5	1427.3	1422.4	1417.4	1419.1	1405.9	1375.3	1346.4	1315.1	1287.8	1268.8
12.5°	1504.9	1504.9	1502.5	1499.2	1493.4	1478.5	1437.2	1403.4	1365.4	1331.6	1317.5
15°	1582.5	1578.4	1574.3	1569.3	1568.5	1548.7	1511.5	1472.7	1433.1	1404.2	1387.7
17.5°	1646.1	1647.7	1642.0	1640.3	1638.7	1618.9	1579.2	1544.6	1515.7	1485.1	1458.7
20°	1713.8	1710.5	1708.8	1706.4	1705.5	1689.0	1657.7	1636.2	1610.6	1564.4	1495.0
22.5°	1786.4	1782.3	1784.0	1779.0	1778.2	1766.6	1743.5	1736.9	1698.9	1601.5	1481.0
25°	1880.5	1873.1	1875.6	1875.6	1876.4	1865.7	1863.2	1851.7	1755.9	1592.4	1424.9
27.5°	1992.8	1996.1	1996.1	1995.3	1989.5	1992.8	2004.4	1964.7	1775.7	1544.6	1340.7
30°	2138.9	2140.6	2142.2	2148.0	2135.6	2157.1	2171.1	2044.8	1760.8	1478.5	1235.0
32.5°	2316.4	2309.8	2313.1	2316.4	2320.6	2342.8	2334.6	2085.3	1717.1	1388.5	1103.7
35°	2512.1	2524.5	2527.8	2535.2	2543.4	2577.3	2482.4	2093.5	1650.2	1268.0	936.1
37.5°	2803.5	2823.3	2823.3	2849.7	2834.0	2875.3	2614.4	2073.7	1548.7	1100.4	747.1
40°	3170.8	3179.9	3189.0	3192.3	3184.0	3179.1	2701.1	2025.0	1405.9	889.9	546.5
42.5°	3545.6	3542.3	3543.2	3548.9	3526.6	3433.4	2754.8	1940.0	1228.4	664.5	392.1
45°	3949.3	3935.3	3931.1	3919.6	3899.8	3703.3	2785.3	1820.3	994.8	467.2	307.9
47.5°	4342.3	4324.9	4298.5	4266.3	4228.3	3920.4	2782.0	1665.1	762.8	334.3	271.6
50°	4745.1	4714.6	4657.6	4626.2	4561.9	4135.9	2763.0	1492.5	549.0	276.6	254.3
52.5°	5205.8	5151.3	5098.4	5035.7	4929.2	4400.9	2734.1	1298.6	400.4	253.4	242.7
55°	5892.6	5803.4	5716.8	5586.3	5483.1	4755.8	2685.4	1089.7	316.2	244.4	236.1
57.5°	6839.5	6687.6	6577.8	6401.9	6236.8	5247.0	2633.4	899.8	282.3	241.9	232.8
60°	7905.2	7676.6	7471.8	7255.5	7067.3	5860.4	2606.2	751.2	274.9	244.4	233.6
62.5°	8573.9	8304.0	8048.0	7783.9	7513.1	6153.5	2488.1	648.9	278.2	255.1	240.2
65°	8489.7	8191.7	7913.5	7591.5	7336.4	5876.9	2187.6	549.0	284.0	274.1	258.4
67°	7921.7	7632.8	7315.8	7000.5	6752.8	5351.1	1846.7	462.3	290.6	295.5	278.2
67.5°	7769.8	7444.6	7125.1	6835.3	6567.1	5188.4	1757.5	440.8	292.2	301.3	284.8
70°	6479.5	6222.0	5848.0	5633.4	5439.4	4206.0	1310.9	342.6	297.2	326.9	316.2
72.5°	4533.8	4284.5	4088.8	3971.6	3858.5	3056.1	922.1	273.2	289.8	340.9	330.2
75°	2290.0	2233.0	2164.5	2126.6	2128.2	1776.5	555.6	232.8	272.4	326.9	299.7
77.5°	452.4	440.8	445.8	487.9	480.5	547.3	275.7	197.3	232.0	251.8	215.5
80°	218.8	211.3	204.7	203.1	199.0	190.7	173.4	164.3	188.2	165.9	142.8
82.5°	142.0	133.7	130.4	123.8	124.7	135.4	151.1	157.7	152.7	114.7	96.6
85°	80.1	79.3	77.6	79.3	82.6	108.1	161.8	147.8	123.0	80.9	72.6
87.5°	47.9	45.4	46.2	47.1	48.7	80.1	128.0	106.5	78.4	42.1	42.9
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):

	155°	165°	175°	180°
0°	1303.5	1303.5	1303.5	1303.5
2.5°	1266.4	1263.1	1263.1	1262.2
5°	1245.7	1240.8	1239.9	1239.9
7.5°	1242.4	1235.8	1235.0	1232.5
10°	1257.3	1254.8	1255.6	1253.1
12.5°	1304.3	1307.6	1310.9	1310.9
15°	1376.2	1373.7	1377.8	1373.7
17.5°	1429.0	1407.5	1402.6	1400.1
20°	1430.6	1386.1	1371.2	1368.7
22.5°	1379.5	1313.4	1288.6	1284.5
25°	1292.8	1209.4	1178.0	1174.7
27.5°	1183.8	1090.5	1044.3	1042.6
30°	1052.5	941.9	883.3	874.2
32.5°	892.4	761.1	699.2	679.4
35°	707.5	572.9	515.1	513.5
37.5°	528.3	423.5	386.3	384.7
40°	387.2	332.7	318.7	316.2
42.5°	316.2	293.9	288.1	285.6
45°	283.2	274.1	270.8	268.3
47.5°	263.3	257.6	255.1	255.1
50°	247.7	246.0	244.4	244.4
52.5°	236.9	236.1	234.4	233.6
55°	227.8	224.5	225.4	224.5
57.5°	222.1	217.1	217.1	217.1
60°	218.8	209.7	209.7	210.5
62.5°	219.6	205.6	204.7	204.7
65°	226.2	203.1	198.1	199.0
67°	234.4	200.6	190.7	189.9
67.5°	236.9	199.0	188.2	187.4
70°	246.8	194.0	175.8	174.2
72.5°	248.5	186.6	163.5	161.8
75°	231.1	176.7	153.5	149.4
77.5°	180.0	151.9	138.7	138.7
80°	126.3	116.4	99.1	98.2
82.5°	92.5	87.5	72.6	71.0
85°	67.7	63.6	53.7	53.7
87.5°	42.1	40.5	34.7	33.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)