

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: P144865

Luminaire Tested: **LDRL-SL2-F05-E**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P144865  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRL-SL2-F05-E  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (35) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12085.6 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

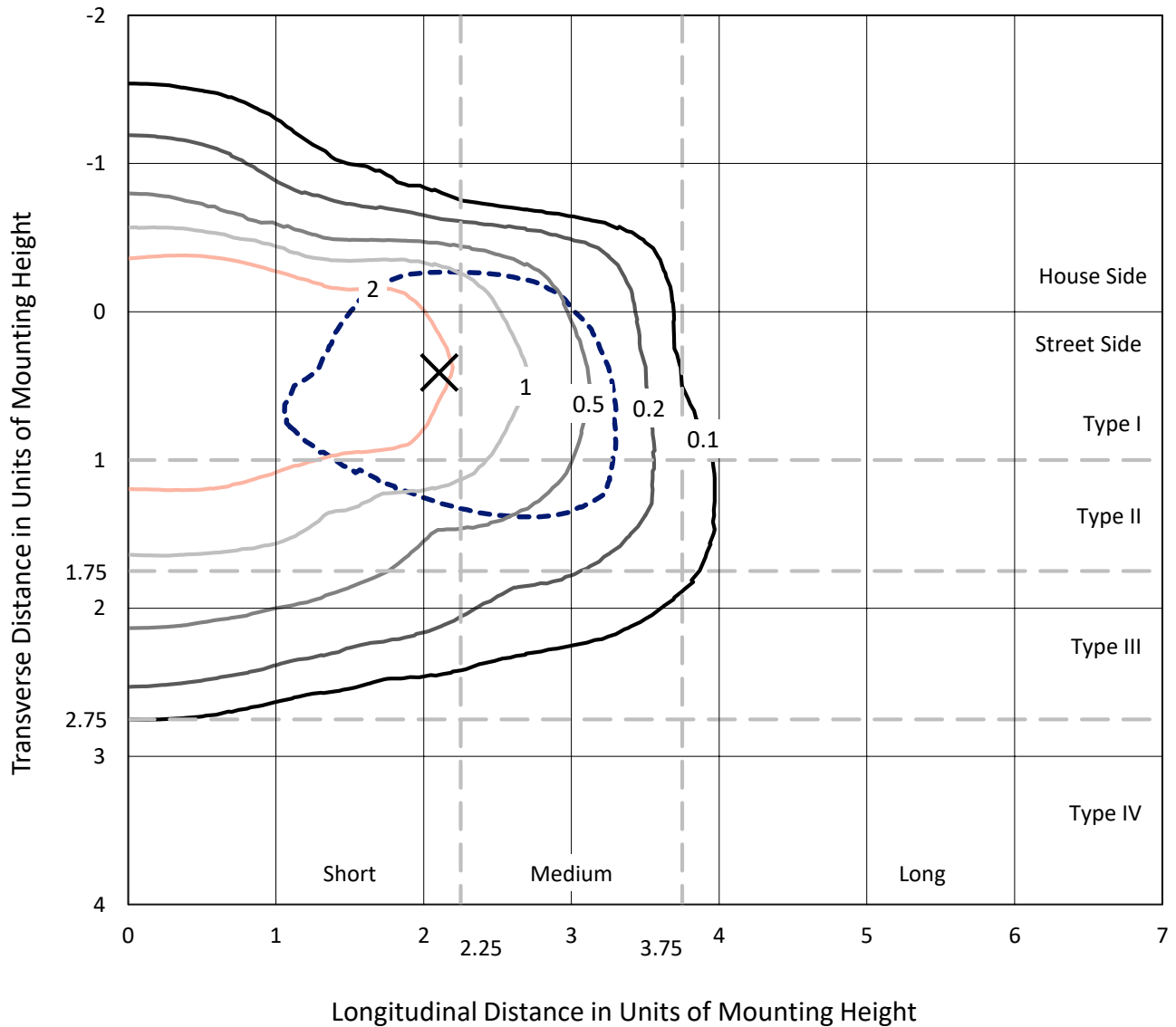
Input Watts (W): 133.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

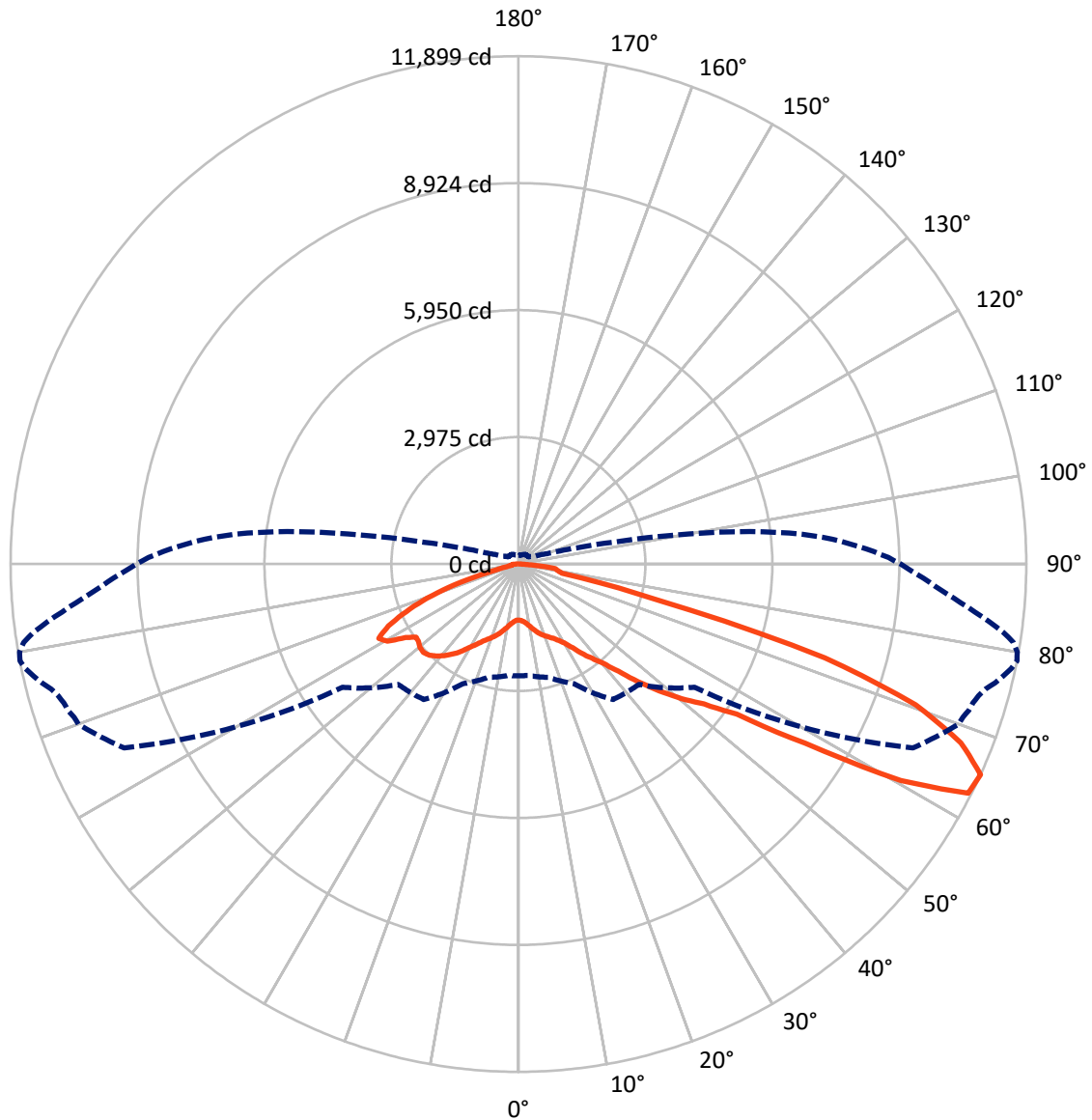
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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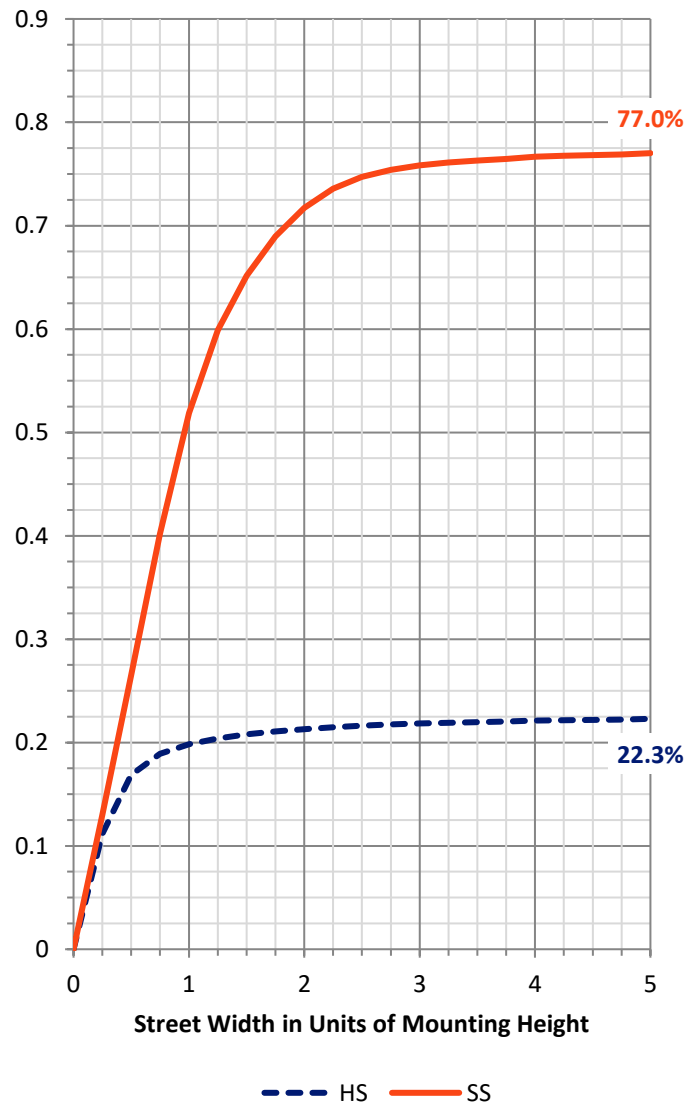
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2743.3	0.0	2743.3
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	9342.3	0.0	9342.3
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	12085.6	0.0	12085.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.4	1.1
10°-20°	424.4	3.5
20°-30°	731.6	6.1
30°-40°	1193.1	9.9
40°-50°	1991.8	16.5
50°-60°	2693.2	22.3
60°-70°	3345.9	27.7
70°-80°	1339.8	11.1
80°-90°	235.4	1.9
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°	12085.6	100.0
0°-180°	12085.6	100.0



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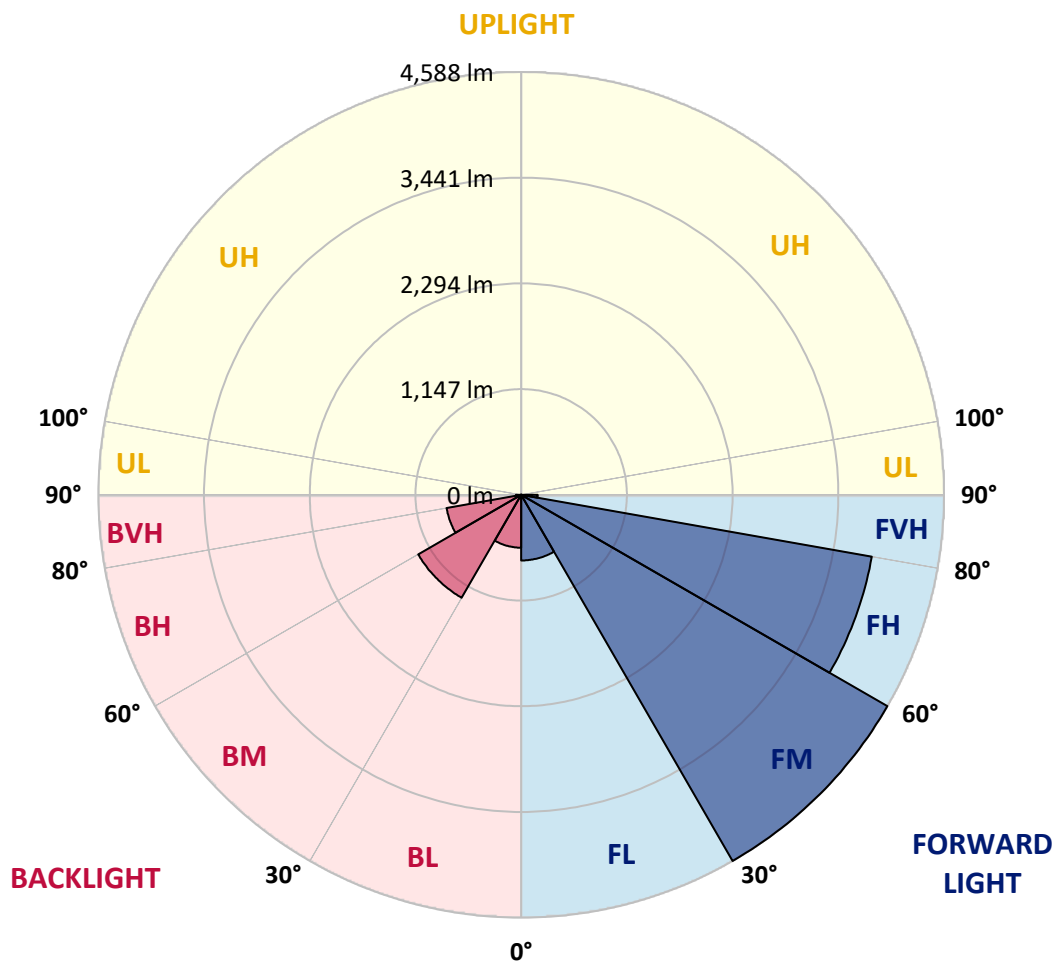
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	712.7	5.9			
FM	(30°-60°)	4587.9	38.0			
FH	(60°-80°)	3863.2	32.0			G2/5000
FVH	(80°-90°)	178.6	1.5			G2/225
BL	(0°-30°)	573.8	4.7	B2/1000		
BM	(30°-60°)	1290.3	10.7	B2/2500		
BH	(60°-80°)	822.4	6.8	B2/1000		G2/1000
BVH	(80°-90°)	56.9	0.5			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4
2.5°	1323.3	1322.5	1326.6	1329.9	1329.9	1331.6	1330.7	1325.8	1326.6	1328.3	1326.6
5°	1338.2	1334.9	1339.0	1344.0	1347.3	1351.4	1355.5	1356.3	1359.6	1359.6	1358.8
7.5°	1370.4	1367.9	1373.7	1375.3	1382.8	1389.4	1397.6	1403.4	1406.7	1408.3	1410.8
10°	1425.7	1424.0	1425.7	1429.0	1432.3	1439.7	1453.7	1466.1	1473.6	1473.6	1476.9
12.5°	1492.5	1485.9	1487.6	1481.0	1482.6	1498.3	1514.8	1535.5	1547.9	1549.5	1551.2
15°	1544.6	1541.3	1538.8	1529.7	1536.3	1556.9	1582.5	1612.3	1623.0	1632.1	1631.2
17.5°	1593.3	1589.1	1583.4	1571.0	1577.6	1610.6	1649.4	1682.4	1700.6	1702.2	1703.9
20°	1651.0	1646.1	1635.4	1609.8	1608.1	1654.4	1706.4	1741.9	1758.4	1765.8	1768.3
22.5°	1724.5	1717.9	1698.1	1648.6	1635.4	1689.8	1751.8	1795.5	1812.9	1820.3	1824.4
25°	1818.6	1805.4	1774.1	1696.5	1669.2	1726.2	1800.5	1853.3	1877.2	1884.7	1889.6
27.5°	1903.7	1893.8	1855.8	1764.1	1717.1	1774.9	1859.9	1927.6	1960.6	1969.7	1977.1
30°	2002.7	1988.7	1958.1	1860.7	1798.0	1849.2	1957.3	2043.2	2083.6	2084.5	2101.0
32.5°	2235.5	2226.4	2198.4	2091.1	1985.4	1988.7	2089.4	2207.5	2247.9	2254.5	2269.4
35°	2580.6	2577.3	2576.5	2517.0	2438.6	2357.7	2365.1	2455.1	2482.4	2493.1	2498.0
37.5°	2807.6	2836.5	2906.7	2949.6	2929.8	2947.1	2856.3	2746.5	2730.8	2719.3	2724.2
40°	3003.3	3028.9	3170.8	3369.0	3489.5	3574.5	3494.4	3157.6	3032.2	2995.8	2981.8
42.5°	3118.8	3147.7	3350.8	3667.8	3974.9	4176.3	4197.8	3729.7	3411.1	3406.9	3354.1
45°	3181.6	3210.5	3453.2	3880.0	4314.2	4677.4	4865.6	4433.9	3965.8	3931.1	3857.7
47.5°	3169.2	3196.4	3449.0	3958.4	4514.8	5010.1	5386.6	5145.5	4605.6	4522.2	4420.7
50°	3018.1	3037.9	3302.9	3830.4	4461.1	5148.8	5743.2	5798.5	5329.6	5216.5	5064.6
52.5°	2862.1	2897.6	3117.2	3603.4	4217.6	5062.9	5956.2	6392.9	6005.7	5928.1	5733.3
55°	2777.9	2806.0	2985.1	3400.3	3960.9	4769.9	6044.5	6953.4	6827.1	6795.7	6657.9
57.5°	2774.6	2801.8	2944.6	3277.3	3752.0	4464.4	6070.1	7819.4	8190.0	8198.3	8158.7
60°	2910.0	2938.0	3057.7	3336.8	3687.6	4202.7	5978.5	9047.8	9866.7	9939.3	10060.7
62.5°	2929.0	2942.2	3086.6	3463.1	3922.1	4007.1	5601.2	10070.6	11019.1	11086.0	11152.8
65°	2620.2	2619.4	2747.3	3094.1	3873.4	3987.3	5034.1	10196.1	10972.9	11013.3	11096.7
67.5°	1954.0	1937.5	2010.2	2327.2	3073.4	3992.2	4362.1	9249.2	10117.6	10194.4	10222.5
70°	1007.1	1032.7	1082.3	1276.3	1951.5	3213.8	3747.1	7803.7	8881.8	8910.7	9010.6
72.5°	413.6	402.9	436.7	536.6	976.6	2124.1	3099.8	6158.4	7335.6	7315.8	7334.0
75°	230.3	233.6	243.5	279.9	474.7	1066.6	2663.1	4359.6	4988.6	4646.9	4543.7
77.5°	184.9	186.6	187.4	194.0	259.2	568.8	2044.0	2871.2	2508.8	2329.6	2261.1
80°	135.4	144.5	154.4	156.0	178.3	322.8	1121.1	2417.1	2117.5	1968.9	1846.7
82.5°	109.0	113.1	134.6	137.9	142.0	192.3	507.7	2270.2	2109.2	1957.3	1788.9
85°	65.2	72.6	109.8	110.6	112.3	117.2	280.7	924.6	1150.0	1016.2	930.4
87.5°	23.1	29.7	54.5	45.4	57.8	47.9	123.0	309.6	381.4	362.4	321.1
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):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4
2.5°	1325.8	1325.8	1327.4	1326.6	1326.6	1326.6	1326.6	1325.0	1325.0	1322.5	1324.1
5°	1358.8	1358.0	1358.8	1359.6	1358.8	1360.5	1359.6	1358.8	1359.6	1358.8	1359.6
7.5°	1411.6	1407.5	1413.3	1410.0	1409.2	1414.1	1411.6	1414.1	1414.9	1414.1	1413.3
10°	1478.5	1481.0	1481.0	1481.0	1479.3	1484.3	1485.1	1486.8	1487.6	1490.9	1490.9
12.5°	1555.3	1556.1	1559.4	1558.6	1560.2	1566.0	1570.1	1571.0	1571.8	1574.3	1571.0
15°	1637.8	1639.5	1639.5	1646.9	1644.4	1652.7	1655.2	1655.2	1656.0	1665.9	1666.7
17.5°	1711.3	1711.3	1717.9	1717.9	1724.5	1726.2	1733.6	1734.4	1737.7	1746.8	1747.6
20°	1773.2	1776.5	1780.7	1785.6	1788.1	1793.0	1798.0	1802.9	1807.1	1814.5	1815.3
22.5°	1831.8	1835.1	1841.7	1845.0	1850.8	1854.1	1858.3	1864.0	1870.6	1880.5	1883.0
25°	1899.5	1902.8	1910.3	1915.2	1921.8	1926.8	1934.2	1941.6	1945.8	1955.7	1963.1
27.5°	1985.4	1995.3	2005.2	2007.7	2012.6	2024.2	2034.1	2044.0	2053.1	2058.0	2067.1
30°	2110.9	2110.9	2131.5	2131.5	2140.6	2151.3	2157.9	2168.7	2185.2	2190.1	2201.7
32.5°	2279.3	2283.4	2290.8	2313.1	2329.6	2334.6	2339.5	2355.2	2365.1	2377.5	2391.5
35°	2519.5	2523.6	2527.8	2549.2	2568.2	2573.2	2578.1	2588.0	2604.5	2626.0	2619.4
37.5°	2735.0	2737.4	2750.6	2774.6	2785.3	2798.5	2802.7	2820.8	2829.9	2849.7	2850.5
40°	2994.2	2988.4	2995.8	3023.1	3039.6	3038.8	3052.0	3085.0	3091.6	3100.7	3123.8
42.5°	3355.8	3334.3	3357.4	3366.5	3391.3	3406.9	3433.4	3455.6	3471.3	3506.0	3522.5
45°	3823.0	3800.7	3819.7	3823.8	3875.0	3890.7	3930.3	3960.0	3993.9	4033.5	4045.1
47.5°	4355.5	4314.2	4291.1	4316.7	4377.8	4403.3	4442.1	4470.2	4505.7	4526.4	4519.7
50°	4972.1	4873.1	4826.8	4813.6	4857.4	4893.7	4954.0	4967.2	4983.7	4982.9	4983.7
52.5°	5659.8	5556.6	5460.0	5393.2	5386.6	5435.3	5450.1	5453.4	5448.5	5411.3	5388.2
55°	6558.0	6550.5	6449.0	6310.3	6301.2	6295.5	6208.8	6198.0	6178.2	6121.3	6042.8
57.5°	8187.6	8270.1	8203.2	8199.9	8127.3	8079.4	7920.1	7840.8	7757.5	7603.1	7480.1
60°	10071.4	10191.1	10257.1	10286.0	10428.0	10428.0	10297.6	10185.3	10049.9	9814.7	9585.2
62.5°	11205.7	11310.5	11407.9	11560.7	11741.4	11821.5	11828.1	11728.2	11557.3	11289.1	10964.6
65°	11133.9	11211.5	11329.5	11509.5	11658.9	11802.5	11899.1	11868.6	11738.1	11469.8	11116.5
67.5°	10320.7	10433.8	10586.5	10752.5	10891.2	11026.5	11182.6	11194.1	11159.4	10904.4	10584.9
70°	9065.9	9211.2	9307.8	9516.7	9579.4	9716.4	9873.3	9948.4	9892.3	9695.8	9508.4
72.5°	7365.3	7480.1	7496.6	7405.8	7437.2	7471.0	7509.0	7333.1	7265.4	7002.9	6882.4
75°	4466.1	4315.0	4187.9	4061.6	3684.3	3550.6	3345.0	2939.7	2893.5	2615.3	2422.1
77.5°	2124.1	2060.5	1945.8	1753.4	1497.5	1252.3	1039.3	844.5	771.9	635.7	541.5
80°	1778.2	1702.2	1599.0	1456.2	1277.1	1098.8	930.4	785.9	640.6	521.7	416.9
82.5°	1631.2	1499.2	1353.9	1230.9	1104.6	983.2	870.1	739.7	662.9	534.9	436.7
85°	824.7	722.3	585.3	492.8	416.1	338.5	293.1	250.1	222.9	177.5	154.4
87.5°	276.6	226.2	168.4	142.8	128.8	110.6	101.5	96.6	94.1	83.4	74.3
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):**

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4
2.5°	1324.1	1324.1	1324.1	1324.1	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1324.1
5°	1358.0	1358.0	1358.8	1361.3	1356.3	1358.0	1359.6	1357.2	1359.6	1357.2	1360.5
7.5°	1412.5	1414.9	1413.3	1416.6	1414.9	1419.9	1416.6	1414.1	1415.8	1415.8	1416.6
10°	1489.2	1492.5	1490.1	1491.7	1491.7	1495.0	1490.9	1491.7	1492.5	1490.9	1491.7
12.5°	1574.3	1575.9	1575.1	1580.1	1577.6	1580.1	1577.6	1580.9	1582.5	1584.2	1584.2
15°	1666.7	1668.4	1673.3	1672.5	1677.5	1675.8	1676.6	1672.5	1680.8	1675.8	1677.5
17.5°	1751.8	1750.9	1757.5	1760.0	1760.8	1761.7	1764.1	1760.8	1761.7	1764.1	1762.5
20°	1817.8	1823.6	1825.2	1831.8	1836.8	1838.4	1837.6	1840.1	1843.4	1840.1	1840.1
22.5°	1888.0	1896.2	1898.7	1902.8	1907.8	1908.6	1913.6	1916.0	1917.7	1916.9	1917.7
25°	1972.2	1978.0	1983.7	1992.0	1997.8	1998.6	2002.7	2006.0	2006.9	2006.0	2011.0
27.5°	2075.4	2082.8	2090.2	2100.1	2106.7	2108.4	2117.5	2117.5	2122.4	2124.9	2126.6
30°	2208.3	2210.8	2229.7	2239.6	2237.2	2248.7	2261.1	2260.3	2266.1	2267.7	2271.8
32.5°	2401.5	2401.5	2418.0	2430.3	2443.6	2439.4	2458.4	2455.1	2464.2	2469.1	2466.7
35°	2635.9	2644.2	2656.5	2664.0	2678.0	2685.4	2698.6	2706.1	2710.2	2709.4	2700.3
37.5°	2877.8	2891.0	2895.9	2914.1	2928.1	2940.5	2942.2	2933.9	2937.2	2920.7	2915.8
40°	3154.3	3173.3	3184.9	3212.1	3210.5	3226.2	3227.8	3203.9	3199.7	3178.3	3156.0
42.5°	3540.7	3567.1	3576.2	3596.8	3580.3	3587.7	3546.5	3536.5	3503.5	3468.9	3418.5
45°	4061.6	4048.4	4054.2	4048.4	4004.6	3972.4	3938.6	3889.9	3841.2	3774.3	3702.5
47.5°	4519.7	4526.4	4483.4	4456.2	4385.2	4339.8	4277.9	4192.8	4133.4	4043.4	3948.5
50°	4964.7	4891.2	4831.0	4768.2	4705.5	4622.1	4528.8	4453.7	4367.0	4254.8	4138.4
52.5°	5326.3	5231.4	5158.7	5069.5	4984.5	4892.1	4794.6	4685.7	4571.8	4459.5	4315.8
55°	5966.9	5829.0	5735.7	5579.7	5483.1	5353.5	5277.6	5136.4	4977.9	4829.3	4676.6
57.5°	7341.4	7135.0	7028.5	6940.2	6789.9	6577.0	6441.6	6209.6	5983.4	5824.9	5570.6
60°	9411.8	9202.1	9025.5	8816.6	8586.3	8297.4	8168.6	7895.3	7571.7	7310.0	6974.0
62.5°	10702.1	10412.3	10125.9	9832.8	9601.7	9375.5	9108.8	8833.1	8512.8	8157.0	7789.7
65°	10754.1	10406.6	10064.0	9765.1	9494.4	9200.5	8950.3	8670.5	8333.7	7967.1	7585.7
67.5°	10214.2	9825.4	9458.0	9130.3	8820.7	8548.3	8286.6	8023.3	7662.5	7355.4	6965.0
70°	9138.6	8783.6	8450.9	8077.8	7840.8	7534.6	7279.5	7002.1	6743.7	6456.4	6090.7
72.5°	6712.3	6444.9	6065.1	5906.6	5779.5	5455.1	5265.2	5242.1	5077.0	4732.7	4459.5
75°	2496.4	2124.9	2012.6	2079.5	1968.1	2005.2	1991.2	1911.9	1915.2	1856.6	1787.3
77.5°	488.7	454.0	426.8	434.2	403.7	390.5	418.5	410.3	395.4	399.6	392.9
80°	332.7	281.5	255.1	245.2	232.8	227.0	225.4	222.9	217.9	215.5	208.0
82.5°	327.7	243.5	192.3	165.1	155.2	150.2	146.1	145.3	143.6	142.8	145.3
85°	130.4	105.7	96.6	88.3	85.9	83.4	83.4	82.6	81.7	83.4	86.7
87.5°	63.6	53.7	48.7	44.6	42.9	42.1	42.1	42.9	43.8	47.1	53.7
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):**

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4
2.5°	1322.5	1323.3	1321.7	1322.5	1321.7	1320.0	1319.2	1321.7	1320.8	1320.0	1320.0
5°	1356.3	1359.6	1358.0	1356.3	1356.3	1355.5	1355.5	1355.5	1354.7	1355.5	1353.0
7.5°	1414.9	1414.1	1414.1	1412.5	1410.8	1412.5	1411.6	1409.2	1410.0	1408.3	1405.9
10°	1490.1	1487.6	1491.7	1491.7	1488.4	1487.6	1485.9	1483.5	1483.5	1481.0	1481.0
12.5°	1579.2	1576.8	1582.5	1578.4	1573.5	1572.6	1567.7	1566.0	1568.5	1567.7	1566.0
15°	1670.0	1670.9	1673.3	1672.5	1666.7	1666.7	1660.1	1661.0	1656.0	1654.4	1650.2
17.5°	1758.4	1759.2	1756.7	1756.7	1752.6	1750.1	1742.7	1743.5	1740.2	1733.6	1728.6
20°	1837.6	1836.8	1831.0	1836.0	1827.7	1826.1	1819.5	1812.9	1814.5	1807.9	1798.0
22.5°	1915.2	1913.6	1911.9	1909.4	1905.3	1903.7	1896.2	1895.4	1887.1	1877.2	1869.0
25°	2005.2	2004.4	2001.9	2002.7	1994.5	1995.3	1982.1	1978.8	1973.8	1963.1	1956.5
27.5°	2121.6	2121.6	2115.0	2112.5	2110.0	2106.7	2095.2	2086.9	2074.5	2062.2	2049.0
30°	2264.4	2262.8	2261.1	2254.5	2245.4	2240.5	2219.8	2206.6	2190.1	2167.0	2147.2
32.5°	2468.3	2454.3	2442.7	2427.9	2413.0	2397.3	2365.1	2342.8	2316.4	2279.3	2247.9
35°	2695.3	2671.4	2659.0	2628.5	2600.4	2569.0	2530.2	2484.8	2448.5	2399.8	2348.6
37.5°	2882.7	2864.6	2831.6	2796.9	2757.3	2697.8	2654.1	2605.4	2541.8	2488.1	2426.2
40°	3113.9	3072.6	3025.5	2967.8	2913.3	2846.4	2786.1	2716.0	2638.4	2560.8	2479.9
42.5°	3356.6	3293.0	3215.4	3148.6	3066.0	2978.5	2900.1	2805.1	2706.1	2602.1	2493.9
45°	3604.2	3525.8	3422.6	3327.7	3212.9	3103.1	2990.9	2861.3	2725.9	2587.2	2451.0
47.5°	3831.3	3716.5	3599.3	3471.3	3339.2	3198.1	3038.8	2868.7	2690.4	2507.9	2337.9
50°	4009.6	3865.9	3718.2	3570.4	3408.6	3225.3	3024.7	2802.7	2583.1	2364.3	2168.7
52.5°	4167.2	4006.3	3824.7	3641.4	3441.6	3216.2	2965.3	2703.6	2436.1	2194.2	1974.7
55°	4472.7	4270.4	4031.0	3794.9	3542.3	3258.3	2945.5	2625.2	2317.2	2053.9	1820.3
57.5°	5302.3	5029.1	4658.4	4330.7	4010.4	3596.8	3156.0	2761.4	2369.3	2058.0	1798.0
60°	6609.2	6164.2	5739.9	5240.4	4722.0	4154.9	3563.8	3032.2	2554.2	2163.7	1850.8
62.5°	7367.0	6897.3	6351.6	5746.5	5074.5	4383.5	3705.0	3084.2	2560.0	2134.8	1788.1
65°	7162.3	6690.1	6089.9	5470.8	4755.8	4049.2	3375.6	2779.5	2271.0	1878.1	1546.2
67.5°	6554.7	6061.0	5497.2	4810.3	4126.8	3472.2	2858.0	2296.6	1846.7	1480.2	1187.1
70°	5670.5	5231.4	4688.2	4055.0	3392.1	2803.5	2285.9	1779.8	1399.3	1063.3	832.1
72.5°	4208.5	3819.7	3480.4	2951.3	2465.8	2004.4	1582.5	1238.3	910.6	688.5	530.0
75°	1766.6	1635.4	1580.1	1386.1	1205.3	988.2	743.8	592.7	480.5	408.6	324.4
77.5°	428.4	428.4	402.9	377.3	346.7	313.7	277.4	247.7	232.8	219.6	208.9
80°	208.0	206.4	199.8	199.0	193.2	185.7	181.6	175.8	173.4	170.1	168.4
82.5°	146.1	145.3	142.8	146.1	145.3	148.6	150.2	151.1	151.1	151.9	152.7
85°	92.5	95.8	102.4	110.6	118.1	127.1	135.4	142.0	146.9	151.1	154.4
87.5°	58.6	66.9	71.8	84.2	96.6	110.6	126.3	132.9	138.7	139.5	134.6
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):**

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4
2.5°	1320.0	1319.2	1320.8	1319.2	1319.2	1318.4	1315.9	1313.4	1310.9	1310.1	1307.6
5°	1352.2	1352.2	1353.9	1350.6	1351.4	1348.1	1340.7	1332.4	1325.0	1318.4	1310.9
7.5°	1406.7	1404.2	1405.0	1404.2	1402.6	1396.0	1379.5	1358.8	1339.0	1318.4	1301.9
10°	1479.3	1474.4	1474.4	1472.7	1470.3	1461.2	1426.5	1385.2	1344.0	1306.8	1279.6
12.5°	1560.2	1561.1	1554.5	1550.3	1546.2	1527.2	1475.2	1409.2	1344.0	1284.5	1240.8
15°	1644.4	1643.6	1636.2	1633.7	1624.6	1596.6	1518.1	1421.6	1328.3	1240.8	1175.5
17.5°	1720.4	1717.1	1709.7	1704.7	1694.8	1657.7	1547.0	1415.8	1287.0	1172.2	1090.5
20°	1789.7	1785.6	1779.0	1769.9	1760.0	1706.4	1557.8	1386.1	1221.8	1090.5	1008.0
22.5°	1861.6	1852.5	1845.0	1832.7	1821.9	1750.1	1550.3	1333.2	1147.5	999.7	911.4
25°	1941.6	1930.9	1915.2	1900.4	1883.8	1785.6	1529.7	1267.2	1058.3	901.5	812.3
27.5°	2028.3	2012.6	1992.0	1973.0	1946.6	1812.0	1494.2	1193.7	960.9	804.1	711.6
30°	2119.9	2091.1	2065.5	2036.6	2002.7	1824.4	1443.0	1102.9	853.6	705.0	612.5
32.5°	2209.1	2170.3	2132.3	2090.2	2044.0	1819.5	1370.4	995.6	746.3	612.5	534.9
35°	2299.9	2243.8	2190.9	2134.0	2077.8	1794.7	1270.5	876.7	644.7	535.8	479.6
37.5°	2361.8	2291.7	2221.5	2153.0	2085.3	1741.0	1137.6	743.8	553.1	480.5	440.0
40°	2393.2	2307.3	2221.5	2136.5	2053.1	1651.9	982.4	622.4	487.9	439.2	410.3
42.5°	2384.1	2277.6	2171.1	2070.4	1968.1	1509.9	814.0	522.6	442.5	407.0	381.4
45°	2309.0	2181.9	2060.5	1954.0	1826.1	1327.4	668.7	460.6	407.8	380.6	356.6
47.5°	2167.8	2025.8	1877.2	1756.7	1637.0	1116.1	556.4	421.8	377.3	355.0	331.0
50°	1987.9	1823.6	1675.0	1544.6	1427.3	918.8	479.6	388.8	352.5	333.5	307.9
52.5°	1789.7	1613.1	1477.7	1340.7	1225.9	766.9	426.0	352.5	328.6	308.7	288.1
55°	1625.5	1462.0	1324.1	1186.3	1070.7	671.2	381.4	324.4	306.3	285.6	269.1
57.5°	1581.7	1395.1	1244.9	1114.5	995.6	612.5	349.2	298.8	286.5	270.8	252.6
60°	1599.9	1394.3	1225.9	1083.1	958.4	565.5	325.3	281.5	271.6	257.6	238.6
62.5°	1534.7	1317.5	1147.5	995.6	877.5	506.0	307.9	273.2	266.6	247.7	226.2
65°	1307.6	1108.7	945.2	814.0	712.4	426.0	293.9	280.7	274.1	241.1	217.9
67.5°	995.6	829.7	698.4	600.2	526.7	352.5	290.6	305.4	292.2	244.4	215.5
70°	688.5	563.0	478.8	419.4	373.1	297.2	301.3	332.7	313.7	255.1	229.5
72.5°	436.7	364.9	323.6	301.3	279.0	251.0	298.8	329.4	303.8	256.7	229.5
75°	279.9	250.1	236.1	227.8	221.2	218.8	263.3	270.8	244.4	222.9	213.8
77.5°	198.1	193.2	190.7	189.9	190.7	196.5	217.9	203.9	177.5	178.3	183.3
80°	167.6	167.6	165.9	166.8	168.4	170.9	174.2	150.2	136.2	146.9	163.5
82.5°	153.5	156.0	157.7	159.3	161.8	158.5	147.8	113.9	109.8	142.8	160.2
85°	156.0	156.0	156.8	158.5	159.3	142.8	123.0	85.9	84.2	160.2	151.1
87.5°	133.7	132.1	126.3	122.2	116.4	98.2	81.7	47.9	49.5	99.1	105.7
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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CATALOG NUMBER: LDRL-SL2-F05-E

**CANDELA DISTRIBUTION (continued):**

	175°	180°
0°	1313.4	1313.4
2.5°	1306.8	1306.8
5°	1306.8	1306.8
7.5°	1296.1	1292.8
10°	1264.7	1260.6
12.5°	1216.8	1212.7
15°	1143.4	1138.4
17.5°	1051.7	1043.5
20°	956.0	944.4
22.5°	860.2	851.1
25°	762.0	753.7
27.5°	665.4	657.1
30°	576.2	572.9
32.5°	510.2	506.9
35°	461.5	459.8
37.5°	428.4	426.8
40°	399.6	397.9
42.5°	373.1	370.7
45°	346.7	347.5
47.5°	320.3	319.5
50°	297.2	297.2
52.5°	278.2	277.4
55°	260.9	260.0
57.5°	243.5	242.7
60°	228.7	226.2
62.5°	214.6	213.0
65°	205.6	204.7
67.5°	199.0	196.5
70°	197.3	190.7
72.5°	192.3	184.1
75°	180.8	176.7
77.5°	159.3	154.4
80°	123.0	113.9
82.5°	103.2	89.2
85°	75.9	70.2
87.5°	55.3	43.8
90°	0.0	0.0

(END OF REPORT)