

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: P146375

Luminaire Tested: **LDRL-T2-F06-E**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146375  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRL-T2-F06-E  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14852.4 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

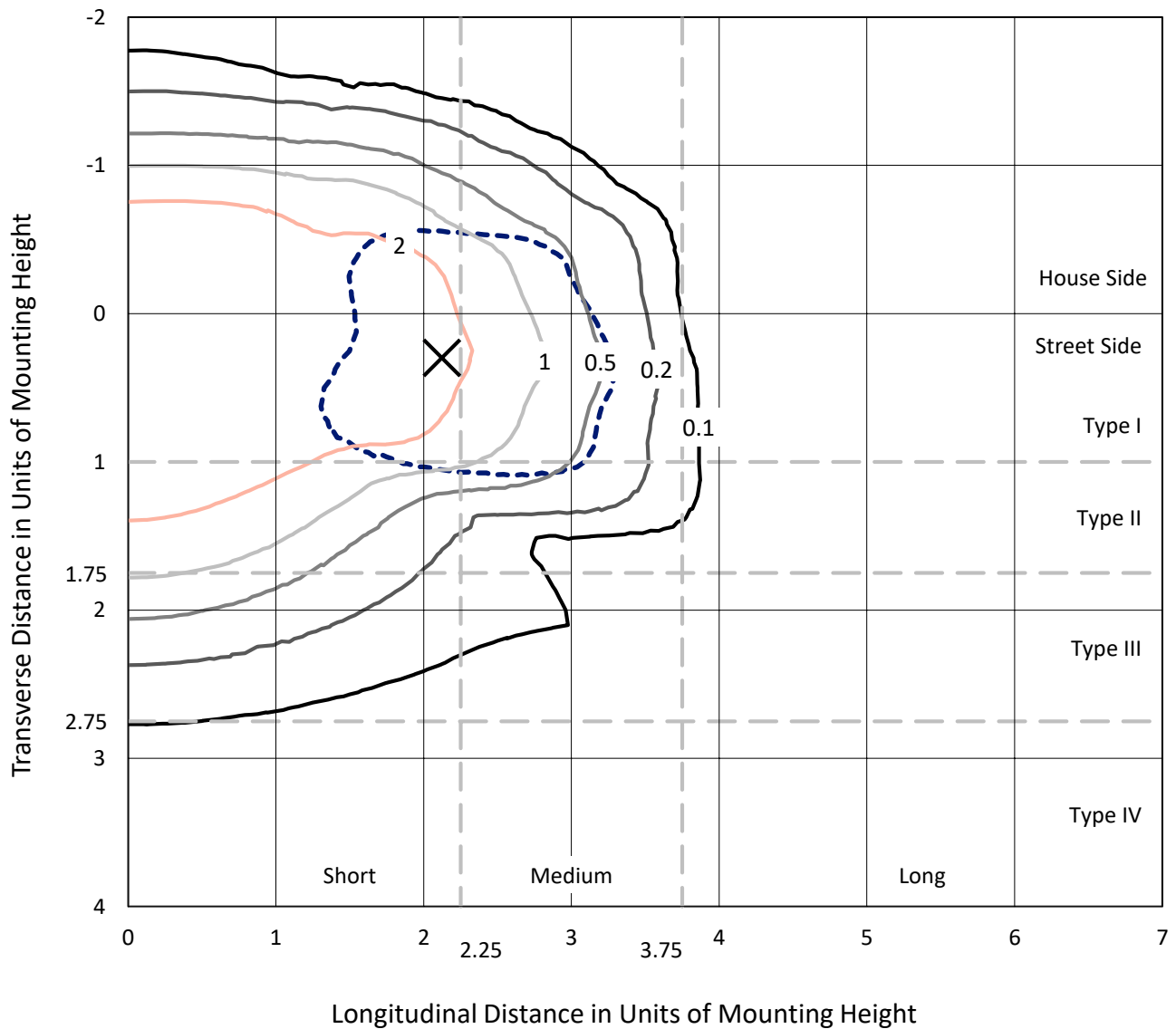
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

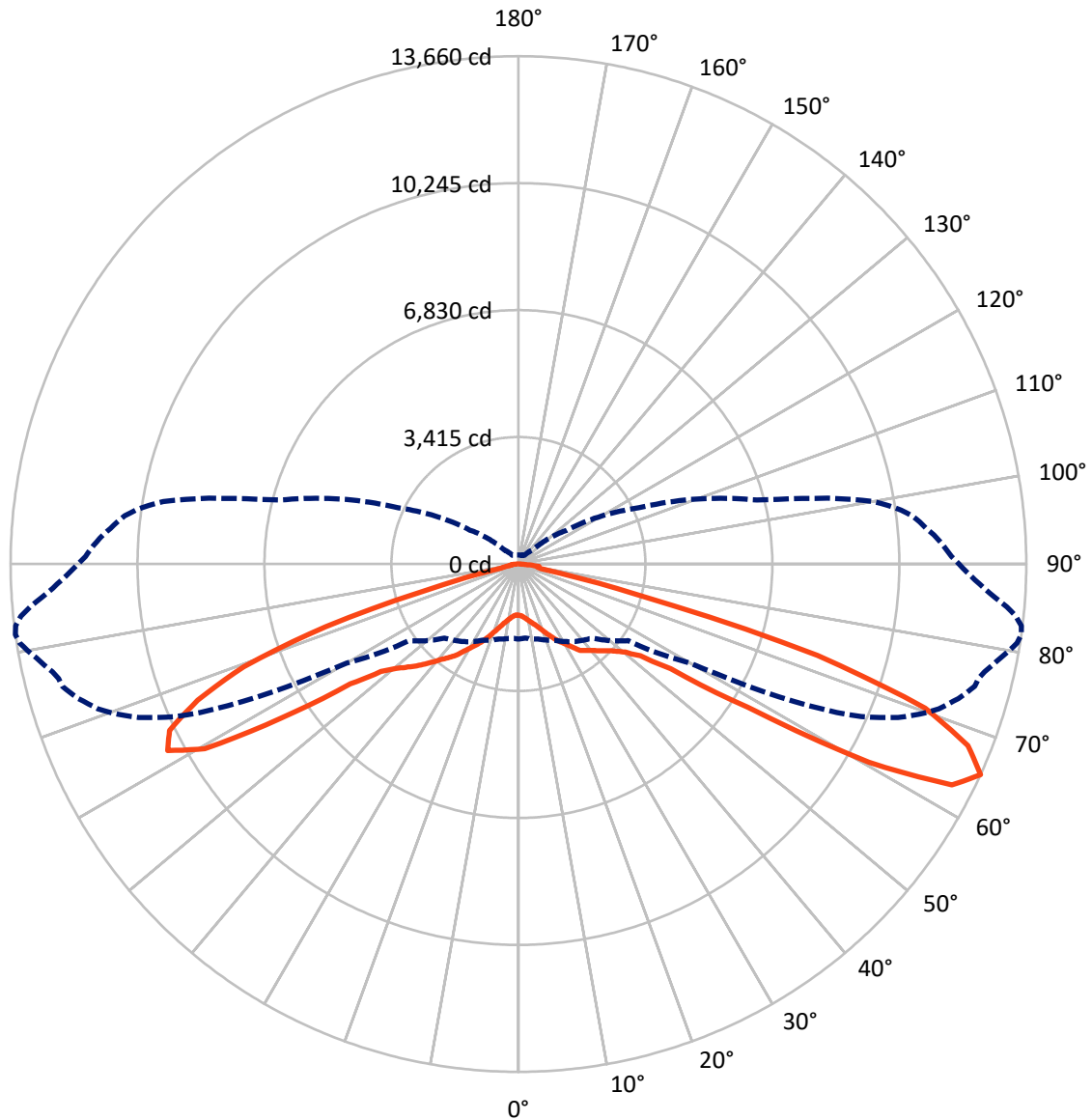
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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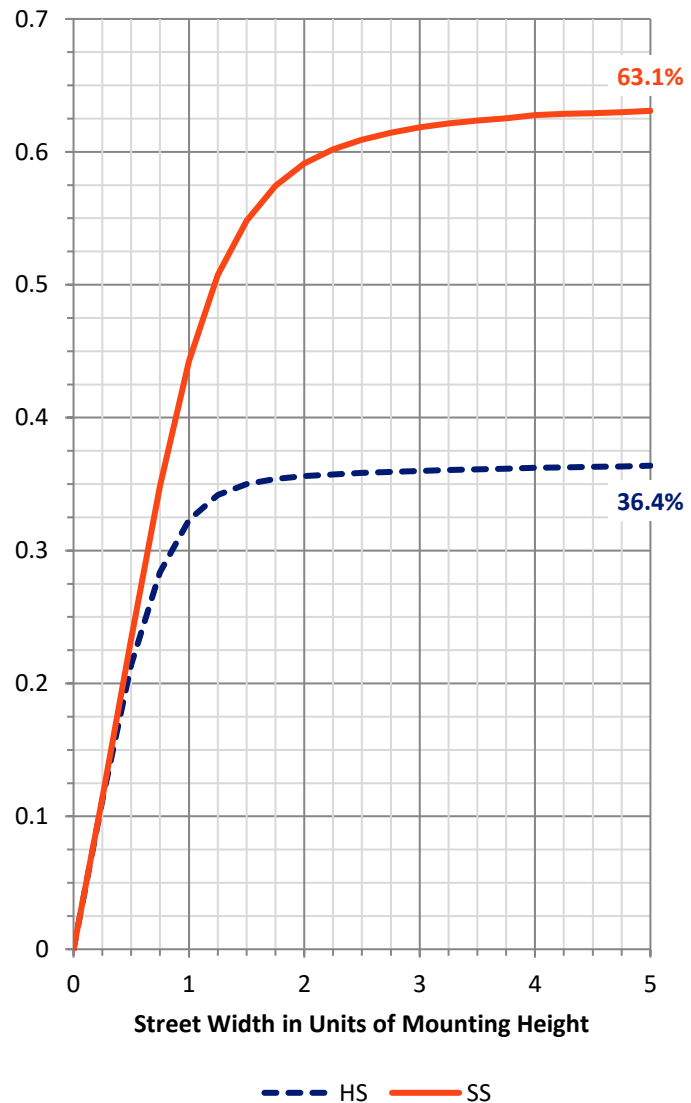
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5467.3	0.0	5467.3
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	9385.1	0.0	9385.1
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	14852.4	0.0	14852.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.6	0.9
10°-20°	491.9	3.3
20°-30°	975.6	6.6
30°-40°	1664.7	11.2
40°-50°	2496.1	16.8
50°-60°	3474.5	23.4
60°-70°	3991.7	26.9
70°-80°	1377.5	9.3
80°-90°	240.9	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°	14852.4	100.0
0°-180°	14852.4	100.0

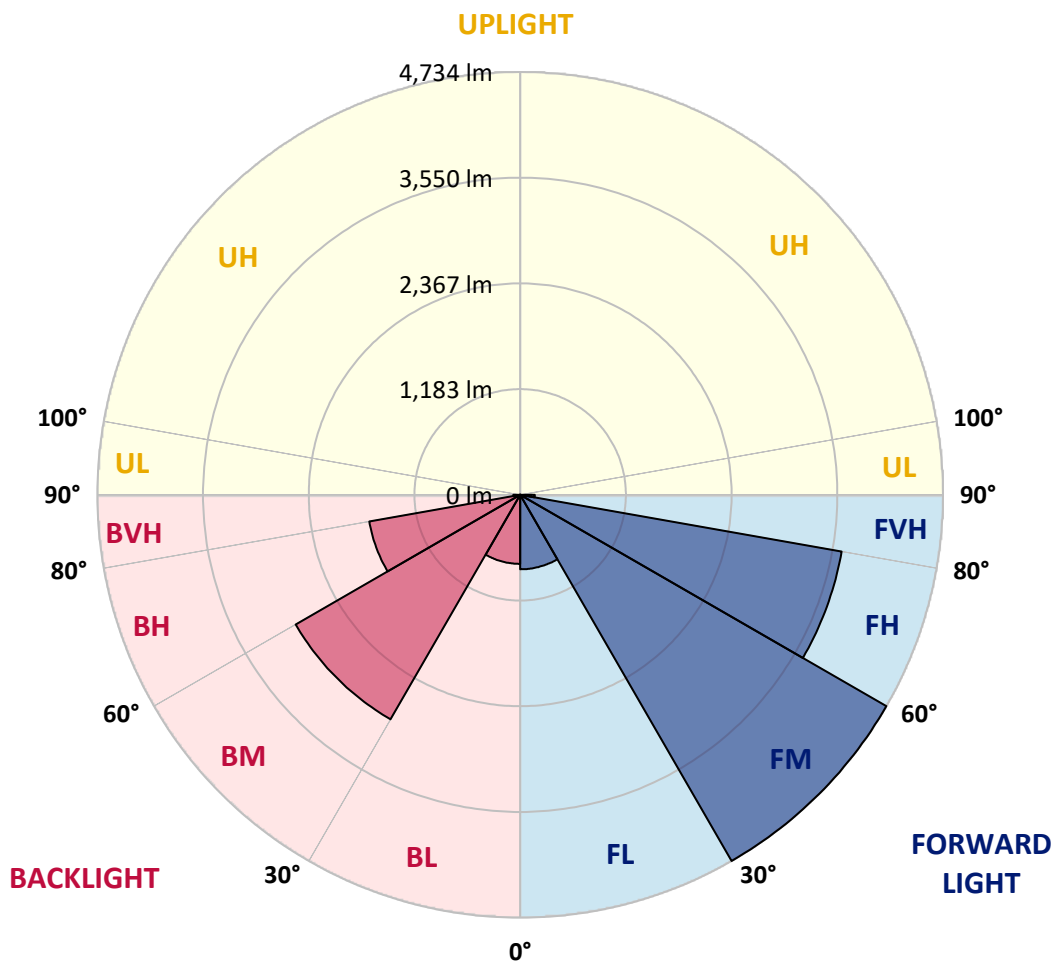


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.7	5.6			
FM (30°-60°)	4733.6	31.9			
FH (60°-80°)	3654.2	24.6			G2/5000
FVH (80°-90°)	163.6	1.1			G2/225
BL (0°-30°)	773.3	5.2	B2/1000		
BM (30°-60°)	2901.6	19.5	B3/5000		
BH (60°-80°)	1715.0	11.5	B3/2500		G3/2500
BVH (80°-90°)	77.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0
2.5°	1452.3	1451.3	1450.3	1446.3	1444.3	1436.4	1428.5	1423.5	1419.6	1421.6	1415.6
5°	1536.5	1536.5	1532.5	1527.6	1521.6	1510.7	1490.9	1481.0	1479.0	1479.0	1472.1
7.5°	1622.7	1628.6	1617.7	1613.7	1603.8	1587.0	1564.2	1551.3	1547.4	1547.4	1541.4
10°	1731.6	1728.6	1716.8	1708.8	1689.0	1666.2	1635.5	1620.7	1614.7	1619.7	1609.8
12.5°	1846.5	1845.5	1827.7	1812.9	1785.1	1748.5	1707.8	1688.0	1684.1	1684.1	1678.1
15°	1963.4	1964.4	1944.6	1916.9	1873.3	1823.7	1778.2	1759.4	1754.4	1752.4	1745.5
17.5°	2052.6	2062.5	2042.7	2007.0	1953.5	1899.0	1850.5	1831.7	1830.7	1828.7	1820.8
20°	2103.1	2105.1	2094.2	2068.4	2020.9	1968.4	1934.7	1925.8	1924.8	1925.8	1927.8
22.5°	2101.1	2104.1	2100.1	2090.2	2059.5	2030.8	2026.8	2031.8	2034.8	2031.8	2038.7
25°	2085.3	2089.2	2089.2	2094.2	2086.3	2096.2	2127.9	2141.7	2142.7	2144.7	2159.6
27.5°	2119.9	2123.9	2122.9	2131.8	2138.8	2173.4	2230.9	2255.7	2258.6	2265.6	2279.4
30°	2280.4	2281.4	2263.6	2262.6	2269.5	2297.3	2355.7	2384.4	2381.5	2395.3	2404.3
32.5°	2534.0	2542.0	2524.1	2505.3	2502.3	2506.3	2517.2	2537.0	2534.0	2541.0	2552.9
35°	2823.3	2824.3	2814.4	2825.3	2831.2	2804.5	2753.0	2748.0	2732.2	2735.1	2739.1
37.5°	3088.8	3095.7	3114.5	3183.9	3223.5	3158.1	3057.1	2993.7	2983.8	2978.8	2944.2
40°	3337.4	3372.1	3417.7	3507.8	3562.3	3586.1	3442.4	3314.6	3280.0	3266.1	3211.6
42.5°	3628.7	3646.5	3700.0	3803.0	3875.3	3983.3	3887.2	3746.6	3705.9	3646.5	3578.2
45°	3875.3	3887.2	3920.9	4008.1	4159.7	4339.9	4350.8	4252.8	4221.1	4161.6	4061.6
47.5°	4040.8	4039.8	4064.6	4149.7	4346.9	4622.3	4785.7	4781.8	4745.1	4724.3	4639.1
50°	4105.2	4104.2	4120.0	4215.1	4430.1	4790.7	5151.3	5275.1	5274.1	5282.0	5238.5
52.5°	4117.1	4116.1	4118.0	4194.3	4413.3	4849.1	5414.8	5707.0	5749.6	5803.1	5851.7
55°	4027.9	4037.8	4059.6	4139.8	4349.9	4825.4	5609.9	6112.2	6214.2	6323.2	6499.5
57.5°	3821.9	3840.7	3916.0	4059.6	4282.5	4766.9	5745.7	6613.4	6820.5	7084.0	7561.5
60°	3526.6	3543.5	3647.5	3837.7	4086.3	4512.3	5588.1	6823.5	7216.7	7674.4	8653.2
62.5°	3004.6	3052.1	3107.6	3242.3	3502.9	3845.6	4880.8	6468.8	7078.1	7749.7	9097.0
65°	2017.9	1998.1	2090.2	2261.6	2547.9	2814.4	3596.0	5335.5	6106.2	7030.5	8697.7
67.5°	1249.2	1252.2	1314.6	1482.0	1697.9	1905.0	2279.4	3400.8	4084.4	4963.1	6968.1
70°	1032.2	1044.1	1094.6	1250.2	1434.4	1668.2	1692.0	1802.9	2109.1	2534.0	4304.3
72.5°	819.3	824.2	875.7	1005.5	1266.0	1587.0	2009.0	1370.0	1346.3	1410.7	2183.3
75°	508.2	512.2	537.9	621.1	821.2	1236.3	2212.1	1575.1	1476.0	1392.8	1406.7
77.5°	262.5	270.4	284.3	322.0	430.9	690.5	1741.5	1997.1	1884.2	1771.2	1550.3
80°	148.6	148.6	161.5	170.4	204.1	281.3	885.6	2161.6	2361.7	2410.2	2164.5
82.5°	66.4	74.3	100.1	107.0	116.9	128.8	293.2	1298.7	1802.0	2250.7	2781.7
85°	39.6	38.6	63.4	69.3	72.3	61.4	110.0	530.0	842.0	1232.3	1843.6
87.5°	15.9	16.8	26.7	28.7	33.7	24.8	41.6	113.9	167.4	242.7	342.8
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0
2.5°	1414.6	1414.6	1413.6	1412.6	1411.6	1408.7	1407.7	1405.7	1404.7	1401.7	1400.8
5°	1471.1	1468.1	1467.1	1465.1	1464.2	1460.2	1460.2	1456.2	1453.3	1449.3	1448.3
7.5°	1538.4	1534.5	1531.5	1529.5	1528.5	1521.6	1521.6	1515.7	1514.7	1509.7	1507.7
10°	1606.8	1603.8	1599.9	1597.9	1596.9	1592.9	1589.0	1585.0	1582.0	1579.1	1575.1
12.5°	1675.2	1669.2	1667.2	1664.3	1662.3	1659.3	1658.3	1649.4	1649.4	1646.4	1642.5
15°	1741.5	1740.5	1733.6	1732.6	1730.6	1731.6	1725.7	1726.7	1723.7	1718.7	1716.8
17.5°	1822.8	1815.8	1818.8	1813.8	1814.8	1812.9	1810.9	1809.9	1811.9	1810.9	1812.9
20°	1923.8	1921.8	1924.8	1917.9	1924.8	1925.8	1923.8	1928.8	1926.8	1928.8	1922.8
22.5°	2043.7	2036.7	2036.7	2041.7	2044.7	2053.6	2048.6	2052.6	2056.5	2059.5	2055.6
25°	2164.5	2162.5	2166.5	2170.5	2176.4	2184.3	2182.4	2183.3	2191.3	2196.2	2197.2
27.5°	2287.4	2287.4	2299.3	2299.3	2307.2	2316.1	2319.1	2323.0	2329.0	2335.9	2335.9
30°	2414.2	2414.2	2425.1	2435.0	2438.9	2449.8	2455.8	2461.7	2472.6	2474.6	2483.5
32.5°	2558.8	2561.8	2572.7	2578.6	2587.5	2600.4	2602.4	2609.3	2622.2	2626.2	2633.1
35°	2747.0	2737.1	2747.0	2757.9	2762.9	2758.9	2780.7	2789.6	2798.5	2803.5	2812.4
37.5°	2941.2	2924.3	2925.3	2923.3	2911.5	2918.4	2918.4	2916.4	2922.4	2921.4	2925.3
40°	3186.9	3157.1	3148.2	3129.4	3103.6	3089.8	3074.9	3072.9	3058.1	3064.0	3053.1
42.5°	3523.7	3479.1	3455.3	3396.9	3365.2	3327.5	3290.9	3259.2	3242.3	3223.5	3209.6
45°	3986.3	3933.8	3876.3	3782.2	3727.7	3652.5	3603.9	3531.6	3483.1	3442.4	3413.7
47.5°	4566.8	4478.6	4432.1	4343.9	4248.8	4134.9	4030.9	3929.8	3847.6	3758.4	3688.1
50°	5241.4	5131.5	5094.8	4977.9	4924.4	4796.6	4685.7	4560.9	4432.1	4297.4	4168.6
52.5°	5838.8	5825.9	5840.8	5762.5	5760.5	5696.1	5573.3	5427.7	5307.8	5172.1	5002.7
55°	6555.0	6682.8	6710.5	6699.6	6758.1	6756.1	6744.2	6729.3	6634.2	6442.1	6383.6
57.5°	7819.0	7962.7	8174.7	8270.8	8482.8	8507.5	8703.7	8627.4	8773.0	8733.4	8760.1
60°	9105.9	9546.7	9948.9	10255.0	10552.2	10822.6	11153.5	11295.2	11401.2	11566.6	11740.9
62.5°	9681.4	10237.2	10716.6	11152.5	11522.0	11864.8	12149.1	12418.5	12630.5	12820.7	12967.3
65°	9448.6	10093.5	10561.1	11015.8	11360.5	11679.5	11961.9	12163.9	12374.9	12547.3	12702.8
67.5°	7866.6	8725.5	9335.7	9851.8	10284.7	10648.3	10941.5	11219.9	11369.5	11557.7	11641.9
70°	5210.7	6312.3	7175.1	7872.5	8559.0	8971.1	9318.9	9642.8	9813.2	9965.7	10059.8
72.5°	2861.9	3614.8	4536.1	5365.3	6025.0	6565.9	6971.1	7278.2	7453.5	7584.3	7448.5
75°	1621.7	1993.1	2443.9	2902.5	3402.8	3784.2	3891.2	4022.0	4052.7	3985.3	3811.0
77.5°	1490.9	1490.9	1491.9	1481.0	1502.8	1529.5	1513.7	1486.9	1366.1	1339.3	1301.7
80°	1938.7	1727.7	1501.8	1233.3	1005.5	848.0	799.4	803.4	842.0	917.3	1000.5
82.5°	2748.0	2540.0	2214.1	1804.9	1436.4	1127.3	924.3	831.1	830.1	905.4	1013.4
85°	2004.0	2020.9	1948.6	1723.7	1375.0	1082.8	874.7	671.6	606.3	606.3	598.3
87.5°	350.7	361.6	312.0	279.4	195.2	137.7	123.8	109.0	108.0	111.9	103.0
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0
2.5°	1400.8	1398.8	1396.8	1395.8	1395.8	1393.8	1393.8	1391.8	1392.8	1391.8	1388.9
5°	1446.3	1445.3	1442.4	1437.4	1436.4	1432.5	1433.4	1429.5	1429.5	1427.5	1422.5
7.5°	1503.8	1501.8	1499.8	1495.9	1491.9	1491.9	1485.0	1485.0	1480.0	1478.0	1474.1
10°	1572.1	1566.2	1563.2	1559.3	1558.3	1557.3	1550.3	1550.3	1544.4	1543.4	1540.4
12.5°	1639.5	1635.5	1632.6	1630.6	1625.6	1624.6	1621.7	1618.7	1615.7	1613.7	1612.7
15°	1712.8	1710.8	1707.8	1707.8	1707.8	1702.9	1699.9	1697.9	1697.9	1695.0	1696.9
17.5°	1807.9	1810.9	1806.9	1804.9	1802.0	1806.9	1802.0	1802.0	1804.9	1804.9	1798.0
20°	1925.8	1929.7	1925.8	1926.8	1924.8	1925.8	1926.8	1928.8	1932.7	1925.8	1926.8
22.5°	2056.5	2057.5	2060.5	2057.5	2062.5	2059.5	2065.5	2070.4	2069.4	2067.4	2068.4
25°	2199.2	2196.2	2197.2	2206.1	2213.1	2211.1	2212.1	2220.0	2218.0	2216.0	2217.0
27.5°	2343.8	2341.8	2344.8	2352.7	2360.7	2359.7	2357.7	2363.6	2363.6	2358.7	2360.7
30°	2487.5	2490.4	2495.4	2495.4	2499.4	2503.3	2500.3	2507.3	2508.3	2504.3	2509.3
32.5°	2639.0	2645.0	2643.0	2656.9	2656.9	2657.9	2660.8	2659.8	2669.7	2661.8	2664.8
35°	2821.3	2823.3	2835.2	2845.1	2851.0	2856.0	2856.0	2859.0	2863.9	2859.9	2865.9
37.5°	2932.3	2936.2	2940.2	2946.1	2946.1	2946.1	2951.1	2952.1	2955.0	2954.1	2956.0
40°	3054.1	3055.1	3056.1	3057.1	3061.0	3063.0	3058.1	3065.0	3060.1	3062.0	3065.0
42.5°	3201.7	3187.8	3189.8	3186.9	3193.8	3184.9	3186.9	3194.8	3190.8	3196.8	3196.8
45°	3373.1	3357.2	3343.4	3335.5	3335.5	3323.6	3325.5	3328.5	3333.5	3341.4	3355.3
47.5°	3626.7	3572.2	3545.5	3517.7	3503.9	3489.0	3494.0	3494.9	3496.9	3509.8	3544.5
50°	4041.8	3950.6	3880.3	3796.1	3764.4	3738.6	3723.8	3724.8	3724.8	3751.5	3786.2
52.5°	4844.2	4674.8	4507.4	4360.8	4234.9	4174.5	4104.2	4086.3	4087.3	4110.1	4133.9
55°	6230.1	5997.3	5820.0	5494.0	5395.0	5116.6	4970.0	4885.8	4820.4	4852.1	4886.8
57.5°	8716.6	8501.6	8360.9	7971.6	7617.0	7515.9	7275.2	7080.0	6999.8	6906.7	6912.6
60°	11766.7	11655.8	11620.1	11392.2	11264.5	10867.2	10835.5	10588.8	10356.0	10154.9	10237.2
62.5°	13080.3	13131.8	13173.4	13253.6	13284.3	13246.7	13087.2	12978.2	12787.1	12523.5	12362.1
65°	12748.4	12866.3	13043.6	13211.0	13411.1	13577.6	13659.8	13628.1	13455.7	13184.3	12845.5
67.5°	11702.3	11822.2	11974.7	12186.7	12492.8	12816.8	13042.6	13186.3	13049.6	12804.9	12460.1
70°	10054.9	10171.8	10176.7	10472.9	10802.8	11211.0	11611.2	11761.7	11606.2	11442.8	11154.5
72.5°	7530.8	7460.4	7525.8	7580.3	7768.5	8026.1	8414.4	8397.6	8159.8	8033.0	7590.2
75°	3539.5	3492.0	3422.6	3377.1	3333.5	3242.3	3285.9	3099.7	3035.3	3061.0	2678.7
77.5°	1273.0	1207.6	1102.6	1000.5	871.8	722.2	609.2	534.9	498.3	499.3	476.5
80°	1067.9	1099.6	1084.7	983.7	839.1	682.5	511.2	387.3	330.9	307.1	292.2
82.5°	1158.0	1317.5	1396.8	1334.4	1127.3	867.8	558.7	337.8	247.7	212.0	203.1
85°	641.9	642.9	623.1	595.4	528.0	362.6	241.7	160.5	128.8	114.9	111.0
87.5°	109.0	104.0	104.0	97.1	85.2	83.2	74.3	70.3	62.4	57.5	55.5
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):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0
2.5°	1385.9	1383.9	1382.9	1381.9	1381.9	1380.9	1380.9	1379.0	1377.0	1376.0	1375.0
5°	1417.6	1415.6	1413.6	1411.6	1411.6	1409.7	1407.7	1405.7	1402.7	1397.8	1396.8
7.5°	1471.1	1467.1	1467.1	1460.2	1460.2	1456.2	1453.3	1453.3	1449.3	1441.4	1440.4
10°	1537.5	1530.5	1527.6	1523.6	1521.6	1517.6	1517.6	1513.7	1511.7	1508.7	1498.8
12.5°	1608.8	1603.8	1601.8	1596.9	1593.9	1593.9	1591.9	1585.0	1590.0	1583.0	1578.1
15°	1695.0	1694.0	1685.1	1688.0	1687.0	1686.1	1687.0	1681.1	1680.1	1680.1	1674.2
17.5°	1802.9	1795.0	1796.0	1796.0	1798.0	1798.0	1790.1	1794.0	1795.0	1793.0	1791.1
20°	1929.7	1926.8	1929.7	1923.8	1929.7	1929.7	1933.7	1932.7	1933.7	1935.7	1935.7
22.5°	2065.5	2073.4	2074.4	2076.4	2069.4	2081.3	2081.3	2083.3	2088.2	2088.2	2090.2
25°	2229.9	2225.9	2221.0	2227.9	2229.9	2237.8	2239.8	2239.8	2247.7	2247.7	2250.7
27.5°	2366.6	2370.6	2369.6	2373.5	2371.6	2382.5	2386.4	2398.3	2395.3	2401.3	2409.2
30°	2507.3	2515.2	2511.2	2512.2	2517.2	2524.1	2532.1	2543.9	2545.9	2561.8	2565.7
32.5°	2669.7	2675.7	2680.6	2682.6	2682.6	2694.5	2707.4	2711.4	2732.2	2744.0	2757.9
35°	2875.8	2876.8	2879.8	2882.7	2880.8	2893.6	2906.5	2910.5	2932.3	2935.2	2964.0
37.5°	2963.0	2965.0	2976.8	2982.8	2986.7	3002.6	3026.4	3044.2	3068.0	3090.8	3123.5
40°	3071.9	3083.8	3094.7	3103.6	3118.5	3140.3	3177.0	3194.8	3230.4	3273.0	3304.7
42.5°	3209.6	3231.4	3239.4	3256.2	3292.9	3319.6	3356.3	3394.9	3442.4	3494.0	3531.6
45°	3373.1	3393.9	3423.6	3442.4	3485.0	3527.6	3586.1	3619.8	3668.3	3727.7	3769.3
47.5°	3571.2	3599.9	3629.7	3668.3	3718.8	3763.4	3821.9	3865.4	3914.0	3962.5	4008.1
50°	3817.9	3860.5	3900.1	3940.7	4008.1	4045.7	4103.2	4148.8	4194.3	4242.9	4284.5
52.5°	4149.7	4214.1	4264.7	4292.4	4383.5	4421.2	4491.5	4523.2	4560.9	4604.4	4657.9
55°	4873.9	4974.0	5059.1	5108.7	5247.4	5296.9	5388.0	5434.6	5408.8	5464.3	5560.4
57.5°	6968.1	7090.9	7193.0	7260.3	7402.0	7471.3	7476.3	7650.6	7547.6	7649.6	7664.5
60°	10018.2	10115.3	10090.6	10091.5	10047.0	9982.6	10106.4	9918.2	9997.4	10002.4	9825.1
62.5°	12063.9	11915.3	11846.0	11731.0	11597.3	11494.3	11423.9	11272.4	11151.5	11055.4	10868.2
65°	12545.3	12287.8	12059.9	11845.0	11647.8	11511.1	11362.5	11200.1	11010.9	10851.4	10669.1
67.5°	12079.7	11719.2	11381.3	11098.0	10828.6	10648.3	10433.3	10278.8	10041.0	9831.0	9692.3
70°	10729.5	10230.2	9836.0	9654.7	9387.2	8999.9	8794.8	8601.6	8456.0	8265.8	8181.6
72.5°	7526.8	6910.6	6606.5	6618.4	6347.0	6069.6	6076.5	5958.6	5770.4	5764.5	5735.7
75°	2765.8	2516.2	2340.9	2348.8	2247.7	2139.8	2169.5	2201.2	2139.8	2264.6	2071.4
77.5°	439.8	428.0	424.0	415.1	393.3	409.1	398.2	419.0	422.0	444.8	446.8
80°	280.3	268.5	265.5	260.5	259.5	259.5	257.6	257.6	257.6	258.6	256.6
82.5°	187.2	180.3	179.3	176.3	181.3	182.3	183.3	191.2	198.1	200.1	208.0
85°	102.0	97.1	97.1	95.1	99.1	100.1	109.0	119.9	133.7	139.7	152.6
87.5°	51.5	54.5	53.5	55.5	58.4	65.4	72.3	79.3	87.2	98.1	107.0
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):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0	1376.0
2.5°	1373.0	1372.0	1372.0	1370.0	1370.0	1369.1	1367.1	1365.1	1356.2	1345.3	1338.3
5°	1393.8	1391.8	1390.8	1388.9	1385.9	1385.9	1382.9	1379.0	1362.1	1344.3	1333.4
7.5°	1436.4	1435.4	1432.5	1428.5	1424.5	1420.6	1418.6	1416.6	1390.8	1374.0	1366.1
10°	1497.8	1496.8	1489.9	1488.9	1483.0	1484.0	1479.0	1475.0	1458.2	1439.4	1428.5
12.5°	1576.1	1580.1	1576.1	1567.2	1569.2	1566.2	1561.2	1556.3	1541.4	1526.6	1509.7
15°	1673.2	1668.2	1664.3	1672.2	1665.2	1664.3	1667.2	1668.2	1650.4	1634.5	1610.8
17.5°	1794.0	1794.0	1792.0	1794.0	1790.1	1793.0	1791.1	1793.0	1785.1	1763.3	1728.6
20°	1931.7	1939.7	1939.7	1936.7	1935.7	1941.6	1944.6	1933.7	1935.7	1916.9	1854.5
22.5°	2092.2	2098.2	2100.1	2097.2	2098.2	2106.1	2111.0	2103.1	2120.9	2090.2	1994.1
25°	2257.6	2266.6	2262.6	2263.6	2271.5	2280.4	2289.3	2281.4	2316.1	2268.5	2142.7
27.5°	2421.1	2429.0	2427.0	2433.0	2445.9	2457.8	2467.7	2464.7	2522.1	2459.7	2299.3
30°	2575.6	2594.5	2598.4	2605.4	2621.2	2641.0	2656.9	2655.9	2730.2	2646.0	2427.0
32.5°	2765.8	2786.6	2794.6	2809.4	2840.1	2854.0	2873.8	2875.8	2950.1	2809.4	2535.0
35°	2985.8	3006.6	3023.4	3034.3	3069.0	3085.8	3105.6	3114.5	3164.1	2962.0	2610.3
37.5°	3156.1	3174.0	3206.7	3229.5	3260.2	3293.8	3316.6	3327.5	3355.3	3092.7	2645.0
40°	3342.4	3381.0	3412.7	3447.4	3481.1	3507.8	3528.6	3545.5	3534.6	3201.7	2630.1
42.5°	3578.2	3618.8	3661.4	3691.1	3708.9	3744.6	3754.5	3766.4	3677.2	3251.2	2562.8
45°	3823.8	3856.5	3892.2	3914.0	3937.8	3955.6	3958.6	3959.5	3783.2	3222.5	2440.9
47.5°	4060.6	4088.3	4113.1	4125.0	4136.9	4137.9	4132.9	4125.0	3839.7	3125.4	2294.3
50°	4320.1	4337.0	4347.9	4348.9	4359.8	4339.0	4325.1	4288.4	3833.7	2976.8	2139.8
52.5°	4693.6	4689.6	4675.8	4674.8	4640.1	4600.5	4574.7	4522.2	3793.1	2816.4	1961.4
55°	5551.5	5513.8	5557.4	5446.5	5354.4	5292.9	5147.3	5041.3	3833.7	2666.8	1756.4
57.5°	7613.0	7484.2	7498.1	7318.8	7122.6	6755.1	6538.2	6244.9	4152.7	2583.6	1497.8
60°	9787.4	9575.4	9375.3	9057.3	8640.3	8173.7	7753.7	7295.0	4469.7	2481.5	1222.4
62.5°	10684.9	10411.5	10063.8	9615.1	9079.1	8500.6	7920.1	7397.0	4295.4	2174.4	880.7
65°	10395.7	10068.8	9698.3	9112.8	8504.6	7831.9	7195.9	6643.2	3577.2	1590.0	532.0
67.5°	9368.4	9087.0	8630.4	8077.6	7324.7	6650.1	6021.0	5509.9	2637.1	982.7	305.1
70°	7888.4	7499.1	7108.8	6577.8	5784.3	5148.3	4562.8	4111.1	1673.2	485.4	224.9
72.5°	5444.5	5136.4	4824.4	4348.9	3756.5	3318.6	2815.4	2443.9	875.7	261.5	207.0
75°	2120.9	2087.3	2051.6	1835.6	1634.5	1309.6	1150.1	1037.2	364.6	226.9	204.1
77.5°	465.6	493.3	509.2	482.4	459.7	410.1	392.3	350.7	243.7	232.8	202.1
80°	256.6	256.6	256.6	259.5	254.6	254.6	251.6	246.7	227.8	232.8	198.1
82.5°	210.0	213.0	216.9	217.9	216.9	217.9	216.0	215.0	222.9	233.8	188.2
85°	160.5	170.4	176.3	184.3	192.2	197.1	199.1	200.1	205.1	221.9	164.4
87.5°	113.9	121.8	134.7	136.7	145.6	156.5	160.5	166.4	163.5	168.4	77.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146375  
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**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	1376.0	1376.0	1376.0	1376.0	1376.0
2.5°	1332.4	1324.5	1321.5	1320.5	1318.5
5°	1324.5	1319.5	1315.6	1312.6	1314.6
7.5°	1360.1	1357.2	1350.2	1348.2	1351.2
10°	1423.5	1416.6	1406.7	1407.7	1406.7
12.5°	1502.8	1484.0	1468.1	1461.2	1456.2
15°	1584.0	1547.4	1514.7	1499.8	1493.9
17.5°	1674.2	1611.8	1561.2	1534.5	1529.5
20°	1769.3	1683.1	1617.7	1586.0	1581.0
22.5°	1879.2	1760.3	1677.1	1633.5	1626.6
25°	1986.2	1829.7	1718.7	1665.2	1656.3
27.5°	2083.3	1882.2	1743.5	1680.1	1671.2
30°	2164.5	1923.8	1764.3	1692.0	1682.1
32.5°	2218.0	1946.6	1771.2	1693.0	1681.1
35°	2234.9	1931.7	1741.5	1651.4	1641.5
37.5°	2199.2	1871.3	1662.3	1560.2	1552.3
40°	2118.0	1759.4	1537.5	1431.5	1421.6
42.5°	1991.2	1617.7	1392.8	1280.9	1272.0
45°	1850.5	1466.1	1239.3	1127.3	1118.4
47.5°	1696.9	1305.7	1077.8	974.8	960.9
50°	1528.5	1131.3	913.4	812.3	799.4
52.5°	1331.4	941.1	739.0	647.9	639.9
55°	1100.6	749.9	588.4	522.1	514.1
57.5°	855.9	570.6	467.6	434.9	422.0
60°	621.1	433.9	372.5	356.6	349.7
62.5°	422.0	323.9	300.2	295.2	290.3
65°	286.3	253.6	246.7	247.7	244.7
67.5°	225.9	213.0	209.0	211.0	210.0
70°	198.1	188.2	187.2	189.2	188.2
72.5°	187.2	174.4	176.3	179.3	178.3
75°	182.3	168.4	172.4	174.4	169.4
77.5°	177.3	159.5	171.4	175.3	165.4
80°	170.4	151.6	179.3	177.3	158.5
82.5°	155.5	133.7	175.3	160.5	142.7
85°	126.8	100.1	197.1	141.7	104.0
87.5°	81.2	60.4	136.7	108.0	69.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)