

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: P144869

Luminaire Tested: **LDRL-SL2-E06-E-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P144869  
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-E06-E-7030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (126) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16045.6 lumens  
Efficiency: N/A  
Efficacy: 106.6 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

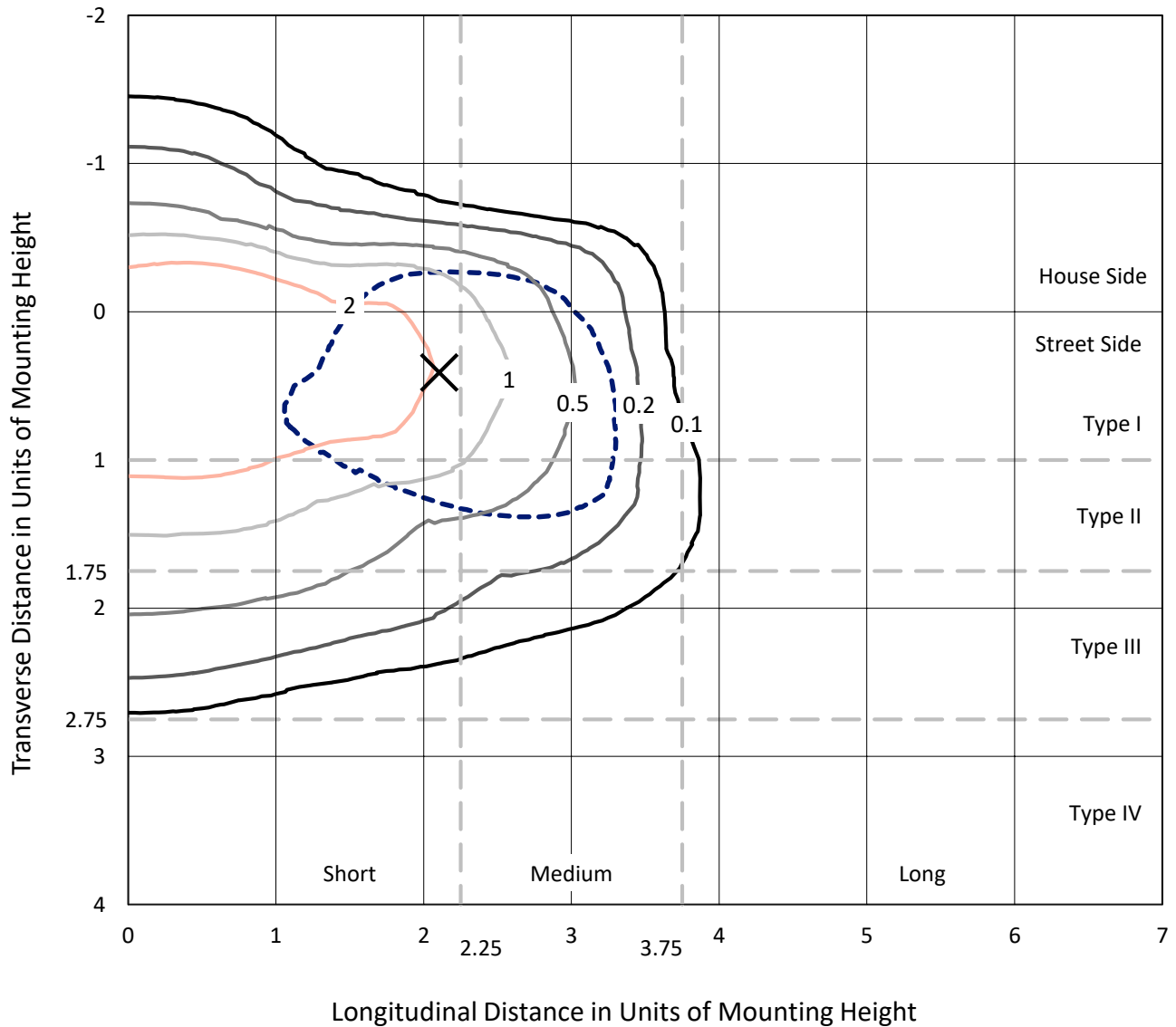
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

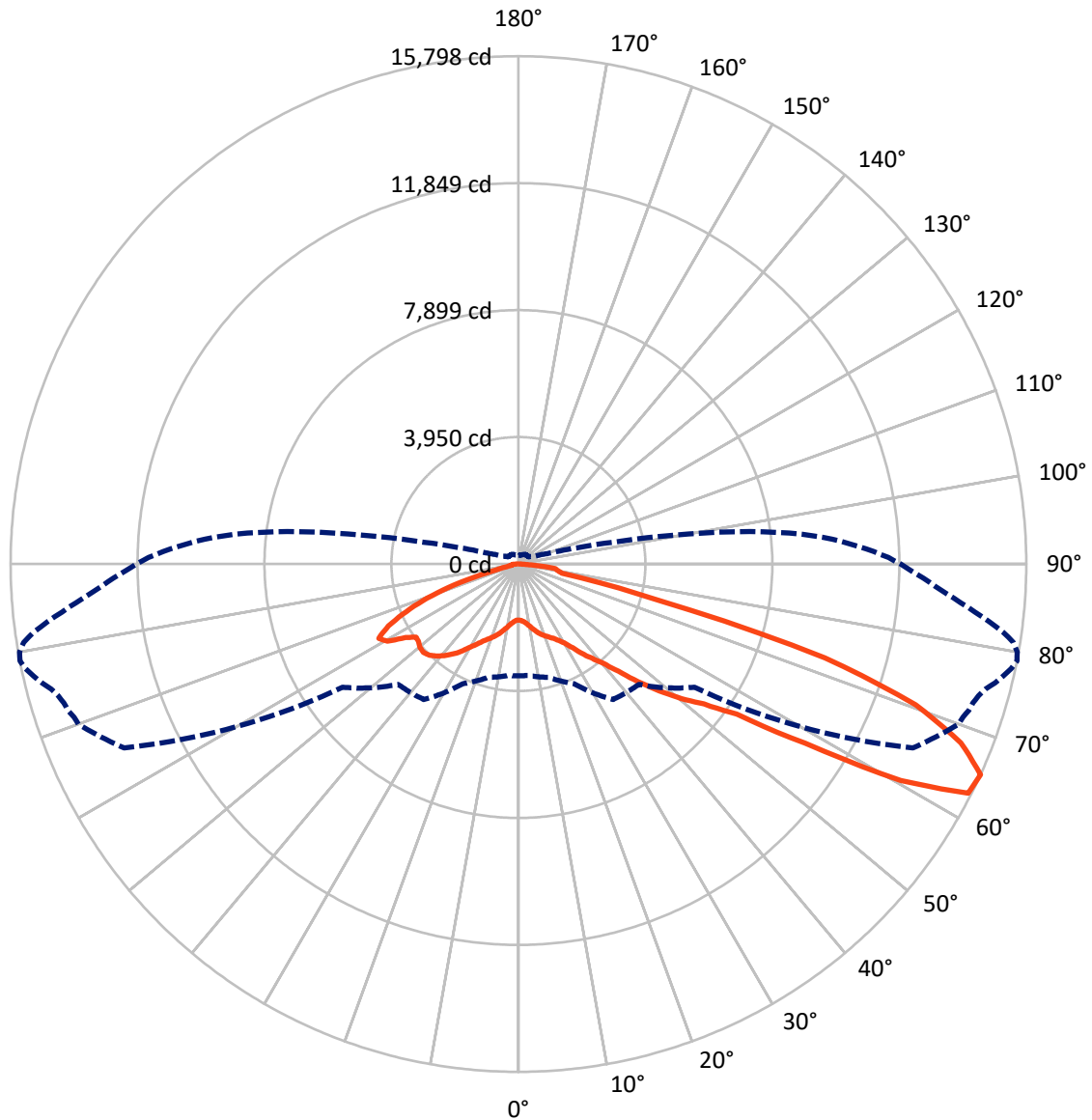
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	3642.2	0.0	3642.2
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	12403.5	0.0	12403.5
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	16045.6	0.0	16045.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.2	1.1
10°-20°	563.4	3.5
20°-30°	971.4	6.1
30°-40°	1584.0	9.9
40°-50°	2644.4	16.5
50°-60°	3575.7	22.3
60°-70°	4442.2	27.7
70°-80°	1778.8	11.1
80°-90°	312.6	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°	16045.6	100.0
0°-180°	16045.6	100.0



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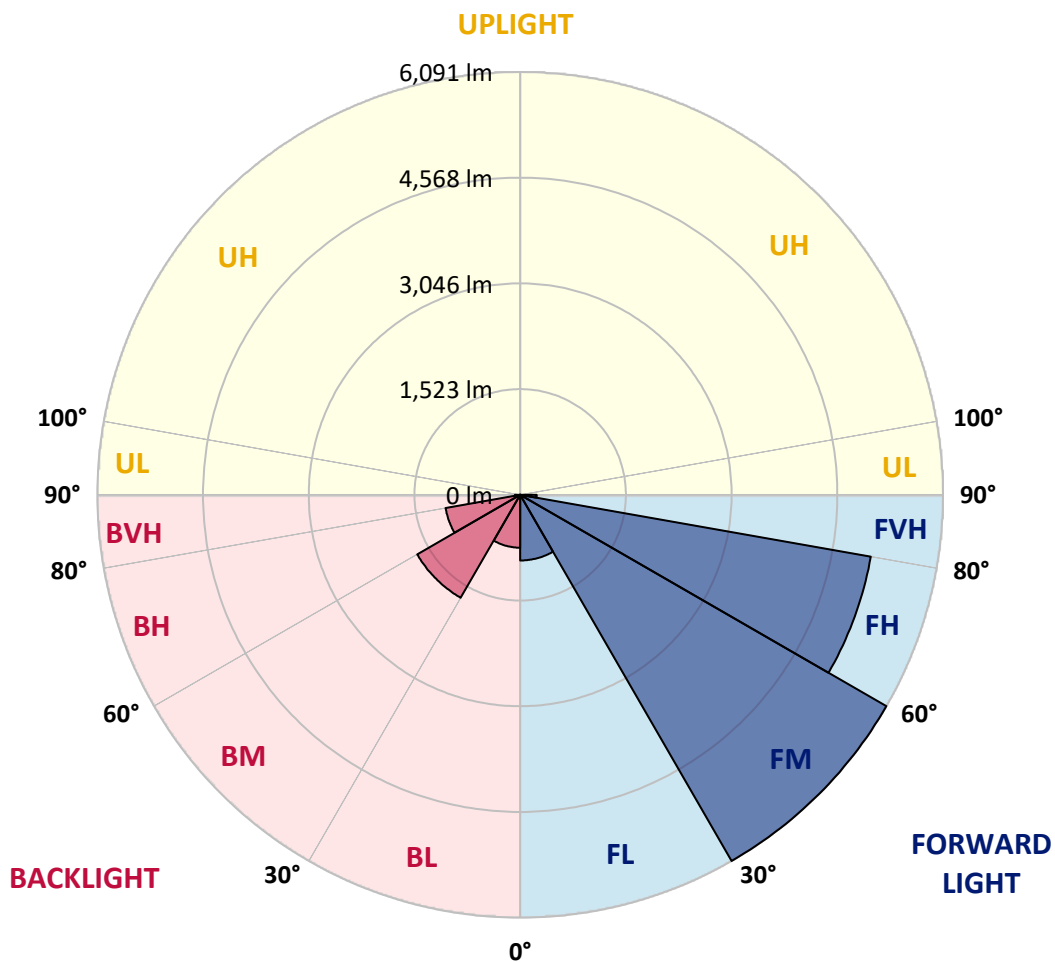
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.2	5.9			
FM (30°-60°)	6091.1	38.0			
FH (60°-80°)	5129.1	32.0			G3/7500
FVH (80°-90°)	237.1	1.5			G3/500
BL (0°-30°)	761.8	4.7	B2/1000		
BM (30°-60°)	1713.0	10.7	B2/2500		
BH (60°-80°)	1091.9	6.8	B3/2500		G3/2500
BVH (80°-90°)	75.5	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°	65°	70°	71°	72°
0°	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8
2.5°	1756.9	1755.8	1761.3	1765.7	1765.7	1767.9	1766.8	1760.2	1761.3	1763.5	1761.3
5°	1776.6	1772.3	1777.7	1784.3	1788.7	1794.2	1799.7	1800.8	1805.1	1805.1	1804.0
7.5°	1819.4	1816.1	1823.8	1826.0	1835.8	1844.6	1855.6	1863.2	1867.6	1869.8	1873.1
10°	1892.8	1890.6	1892.8	1897.2	1901.6	1911.5	1930.1	1946.5	1956.4	1956.4	1960.8
12.5°	1981.6	1972.8	1975.0	1966.3	1968.5	1989.3	2011.2	2038.6	2055.0	2057.2	2059.4
15°	2050.7	2046.3	2043.0	2030.9	2039.7	2067.1	2101.1	2140.5	2154.8	2166.8	2165.7
17.5°	2115.3	2109.8	2102.2	2085.7	2094.5	2138.3	2189.8	2233.7	2257.8	2260.0	2262.2
20°	2192.0	2185.5	2171.2	2137.2	2135.0	2196.4	2265.5	2312.6	2334.5	2344.4	2347.7
22.5°	2289.6	2280.8	2254.5	2188.8	2171.2	2243.6	2325.8	2383.8	2406.9	2416.7	2422.2
25°	2414.5	2397.0	2355.3	2252.3	2216.2	2291.8	2390.4	2460.6	2492.4	2502.2	2508.8
27.5°	2527.4	2514.3	2463.9	2342.2	2279.7	2356.4	2469.3	2559.2	2603.0	2615.1	2625.0
30°	2658.9	2640.3	2599.8	2470.4	2387.1	2455.1	2598.7	2712.7	2766.4	2767.5	2789.4
32.5°	2968.0	2956.0	2918.7	2776.2	2635.9	2640.3	2774.0	2930.8	2984.5	2993.2	3013.0
35°	3426.2	3421.8	3420.7	3341.8	3237.6	3130.2	3140.1	3259.6	3295.7	3310.0	3316.6
37.5°	3727.6	3765.9	3859.1	3916.1	3889.8	3912.8	3792.2	3646.5	3625.6	3610.3	3616.9
40°	3987.3	4021.3	4209.8	4472.9	4632.9	4745.8	4639.5	4192.3	4025.7	3977.5	3958.8
42.5°	4140.8	4179.1	4448.7	4869.6	5277.3	5544.8	5573.3	4951.8	4528.8	4523.3	4453.1
45°	4224.1	4262.4	4584.7	5151.3	5727.8	6210.1	6459.9	5886.7	5265.3	5219.2	5121.7
47.5°	4207.6	4243.8	4579.2	5255.4	5994.1	6651.7	7151.5	6831.5	6114.7	6004.0	5869.2
50°	4007.1	4033.4	4385.2	5085.5	5922.9	6835.9	7625.0	7698.4	7075.9	6925.8	6724.1
52.5°	3799.9	3847.0	4138.6	4784.1	5599.6	6721.9	7907.8	8487.6	7973.5	7870.5	7611.9
55°	3688.1	3725.4	3963.2	4514.5	5258.7	6332.8	8025.1	9231.8	9064.1	9022.4	8839.4
57.5°	3683.7	3719.9	3909.5	4351.2	4981.4	5927.3	8059.0	10381.5	10873.6	10884.6	10832.0
60°	3863.5	3900.7	4059.7	4430.1	4895.9	5579.8	7937.4	12012.4	13099.6	13196.1	13357.2
62.5°	3888.7	3906.2	4098.0	4597.8	5207.2	5320.1	7436.5	13370.4	14629.7	14718.5	14807.2
65°	3478.8	3477.7	3647.6	4107.9	5142.5	5293.8	6683.5	13536.9	14568.3	14622.0	14732.7
67.5°	2594.3	2572.4	2668.8	3089.7	4080.5	5300.4	5791.4	12279.8	13432.8	13534.8	13572.0
70°	1337.1	1371.1	1436.9	1694.4	2591.0	4266.8	4974.8	10360.7	11792.1	11830.4	11963.1
72.5°	549.1	534.9	579.8	712.4	1296.6	2820.1	4115.6	8176.3	9739.2	9712.9	9737.0
75°	305.8	310.2	323.3	371.6	630.2	1416.1	3535.8	5788.1	6623.3	6169.5	6032.5
77.5°	245.5	247.7	248.8	257.6	344.2	755.2	2713.7	3812.0	3330.8	3093.0	3002.0
80°	179.7	191.8	205.0	207.1	236.7	428.5	1488.4	3209.1	2811.3	2614.0	2451.8
82.5°	144.7	150.2	178.7	183.0	188.5	255.4	674.1	3014.1	2800.3	2598.7	2375.1
85°	86.6	96.4	145.8	146.9	149.1	155.6	372.6	1227.5	1526.8	1349.2	1235.2
87.5°	30.7	39.5	72.3	60.3	76.7	63.6	163.3	411.0	506.4	481.2	426.4
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):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8
2.5°	1760.2	1760.2	1762.4	1761.3	1761.3	1761.3	1761.3	1759.1	1759.1	1755.8	1758.0
5°	1804.0	1803.0	1804.0	1805.1	1804.0	1806.2	1805.1	1804.0	1805.1	1804.0	1805.1
7.5°	1874.2	1868.7	1876.4	1872.0	1870.9	1877.5	1874.2	1877.5	1878.6	1877.5	1876.4
10°	1963.0	1966.3	1966.3	1966.3	1964.1	1970.6	1971.7	1973.9	1975.0	1979.4	1979.4
12.5°	2064.9	2066.0	2070.4	2069.3	2071.5	2079.2	2084.6	2085.7	2086.8	2090.1	2085.7
15°	2174.5	2176.7	2176.7	2186.6	2183.3	2194.2	2197.5	2197.5	2198.6	2211.8	2212.9
17.5°	2272.1	2272.1	2280.8	2280.8	2289.6	2291.8	2301.6	2302.7	2307.1	2319.2	2320.3
20°	2354.3	2358.6	2364.1	2370.7	2374.0	2380.6	2387.1	2393.7	2399.2	2409.1	2410.1
22.5°	2432.1	2436.5	2445.2	2449.6	2457.3	2461.7	2467.1	2474.8	2483.6	2496.7	2500.0
25°	2521.9	2526.3	2536.2	2542.8	2551.5	2558.1	2568.0	2577.8	2583.3	2596.5	2606.3
27.5°	2635.9	2649.1	2662.2	2665.5	2672.1	2687.4	2700.6	2713.7	2725.8	2732.4	2744.4
30°	2802.5	2802.5	2829.9	2829.9	2842.0	2856.2	2865.0	2879.2	2901.2	2907.7	2923.1
32.5°	3026.1	3031.6	3041.5	3071.0	3093.0	3099.5	3106.1	3126.9	3140.1	3156.5	3175.2
35°	3345.1	3350.5	3356.0	3384.5	3409.7	3416.3	3422.9	3436.0	3457.9	3486.4	3477.7
37.5°	3631.1	3634.4	3651.9	3683.7	3698.0	3715.5	3721.0	3745.1	3757.2	3783.5	3784.6
40°	3975.3	3967.6	3977.5	4013.6	4035.5	4034.5	4052.0	4095.8	4104.6	4116.7	4147.3
42.5°	4455.3	4426.8	4457.5	4469.6	4502.5	4523.3	4558.3	4587.9	4608.8	4654.8	4676.7
45°	5075.7	5046.1	5071.3	5076.8	5144.7	5165.5	5218.2	5257.6	5302.5	5355.2	5370.5
47.5°	5782.6	5727.8	5697.1	5731.1	5812.2	5846.2	5897.7	5935.0	5982.1	6009.5	6000.7
50°	6601.3	6469.8	6408.4	6390.9	6449.0	6497.2	6577.2	6594.8	6616.7	6615.6	6616.7
52.5°	7514.3	7377.3	7249.1	7160.3	7151.5	7216.2	7235.9	7240.3	7233.7	7184.4	7153.7
55°	8706.8	8696.9	8562.1	8378.0	8365.9	8358.3	8243.2	8228.9	8202.6	8127.0	8022.9
57.5°	10870.3	10979.9	10891.2	10886.8	10790.3	10726.8	10515.2	10410.0	10299.3	10094.3	9931.0
60°	13371.4	13530.4	13618.1	13656.4	13844.9	13844.9	13671.8	13522.7	13343.0	13030.6	12725.9
62.5°	14877.4	15016.6	15145.9	15348.7	15588.7	15695.0	15703.8	15571.2	15344.3	14988.1	14557.3
65°	14782.0	14885.1	15041.8	15280.7	15479.1	15669.8	15798.0	15757.5	15584.3	15228.1	14759.0
67.5°	13702.4	13852.6	14055.4	14275.7	14459.8	14639.5	14846.7	14862.0	14816.0	14477.3	14053.2
70°	12036.5	12229.4	12357.6	12634.9	12718.2	12900.2	13108.4	13208.1	13133.6	12872.8	12624.0
72.5°	9778.7	9931.0	9953.0	9832.4	9874.0	9919.0	9969.4	9735.9	9646.1	9297.5	9137.5
75°	5929.5	5728.9	5560.1	5392.4	4891.5	4714.0	4441.1	3902.9	3841.6	3472.2	3215.7
77.5°	2820.1	2735.7	2583.3	2327.9	1988.2	1662.7	1379.9	1121.2	1024.8	843.9	719.0
80°	2360.8	2260.0	2123.0	1933.4	1695.5	1458.8	1235.2	1043.4	850.5	692.7	553.5
82.5°	2165.7	1990.4	1797.5	1634.2	1466.5	1305.4	1155.2	982.0	880.1	710.2	579.8
85°	1094.9	959.0	777.1	654.3	552.4	449.4	389.1	332.1	295.9	235.6	205.0
87.5°	367.2	300.3	223.6	189.6	171.0	146.9	134.8	128.2	124.9	110.7	98.6
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):**

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8
2.5°	1758.0	1758.0	1758.0	1758.0	1756.9	1756.9	1756.9	1756.9	1756.9	1756.9	1758.0
5°	1803.0	1803.0	1804.0	1807.3	1800.8	1803.0	1805.1	1801.9	1805.1	1801.9	1806.2
7.5°	1875.3	1878.6	1876.4	1880.8	1878.6	1885.2	1880.8	1877.5	1879.7	1879.7	1880.8
10°	1977.2	1981.6	1978.3	1980.5	1980.5	1984.9	1979.4	1980.5	1981.6	1979.4	1980.5
12.5°	2090.1	2092.3	2091.2	2097.8	2094.5	2097.8	2094.5	2098.9	2101.1	2103.3	2103.3
15°	2212.9	2215.1	2221.6	2220.5	2227.1	2224.9	2226.0	2220.5	2231.5	2224.9	2227.1
17.5°	2325.8	2324.7	2333.4	2336.7	2337.8	2338.9	2342.2	2337.8	2338.9	2342.2	2340.0
20°	2413.4	2421.1	2423.3	2432.1	2438.6	2440.8	2439.7	2443.0	2447.4	2443.0	2443.0
22.5°	2506.6	2517.6	2520.8	2526.3	2532.9	2534.0	2540.6	2543.9	2546.1	2545.0	2546.1
25°	2618.4	2626.1	2633.7	2644.7	2652.4	2653.5	2658.9	2663.3	2664.4	2663.3	2669.9
27.5°	2755.4	2765.3	2775.1	2788.3	2797.0	2799.2	2811.3	2811.3	2817.9	2821.2	2823.3
30°	2931.9	2935.1	2960.4	2973.5	2970.2	2985.6	3002.0	3000.9	3008.6	3010.8	3016.2
32.5°	3188.3	3188.3	3210.2	3226.7	3244.2	3238.7	3263.9	3259.6	3271.6	3278.2	3274.9
35°	3499.6	3510.6	3527.0	3536.9	3555.5	3565.4	3582.9	3592.8	3598.2	3597.1	3585.1
37.5°	3820.7	3838.3	3844.8	3869.0	3887.6	3904.0	3906.2	3895.3	3899.6	3877.7	3871.1
40°	4187.9	4213.1	4228.4	4264.6	4262.4	4283.2	4285.4	4253.7	4248.2	4219.7	4190.1
42.5°	4700.8	4735.9	4748.0	4775.4	4753.4	4763.3	4708.5	4695.4	4651.5	4605.5	4538.6
45°	5392.4	5374.9	5382.6	5374.9	5316.8	5274.1	5229.1	5164.4	5099.8	5011.0	4915.7
47.5°	6000.7	6009.5	5952.5	5916.3	5822.1	5761.8	5679.6	5566.7	5487.8	5368.3	5242.3
50°	6591.5	6493.9	6413.9	6330.6	6247.3	6136.6	6012.8	5913.0	5797.9	5648.9	5494.4
52.5°	7071.5	6945.5	6849.0	6730.7	6617.8	6495.0	6365.7	6221.0	6069.8	5920.7	5730.0
55°	7922.0	7739.0	7615.1	7408.0	7279.8	7107.7	7006.9	6819.4	6609.0	6411.7	6209.0
57.5°	9746.9	9472.9	9331.5	9214.2	9014.8	8732.0	8552.2	8244.3	7944.0	7733.5	7395.9
60°	12495.7	12217.3	11982.8	11705.5	11399.7	11016.1	10845.1	10482.3	10052.7	9705.3	9259.2
62.5°	14208.8	13824.1	13443.8	13054.7	12747.8	12447.5	12093.5	11727.4	11302.2	10829.8	10342.0
65°	14277.9	13816.4	13361.6	12964.8	12605.3	12215.1	11883.1	11511.5	11064.3	10577.7	10071.3
67.5°	13561.1	13044.8	12557.1	12122.0	11711.0	11349.3	11001.9	10652.2	10173.3	9765.5	9247.1
70°	12132.9	11661.7	11220.0	10724.6	10410.0	10003.4	9664.7	9296.4	8953.4	8572.0	8086.4
72.5°	8911.7	8556.6	8052.5	7842.0	7673.2	7242.5	6990.4	6959.7	6740.5	6283.5	5920.7
75°	3314.4	2821.2	2672.1	2760.9	2612.9	2662.2	2643.6	2538.4	2542.8	2464.9	2372.9
77.5°	648.8	602.8	566.6	576.5	536.0	518.4	555.7	544.7	525.0	530.5	521.7
80°	441.7	373.7	338.7	325.5	309.1	301.4	299.2	295.9	289.3	286.1	276.2
82.5°	435.1	323.3	255.4	219.2	206.1	199.5	194.0	192.9	190.7	189.6	192.9
85°	173.2	140.3	128.2	117.3	114.0	110.7	110.7	109.6	108.5	110.7	115.1
87.5°	84.4	71.2	64.7	59.2	57.0	55.9	55.9	57.0	58.1	62.5	71.2
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°	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8
2.5°	1755.8	1756.9	1754.7	1755.8	1754.7	1752.5	1751.4	1754.7	1753.6	1752.5	1752.5
5°	1800.8	1805.1	1803.0	1800.8	1800.8	1799.7	1799.7	1799.7	1798.6	1799.7	1796.4
7.5°	1878.6	1877.5	1877.5	1875.3	1873.1	1875.3	1874.2	1870.9	1872.0	1869.8	1866.5
10°	1978.3	1975.0	1980.5	1980.5	1976.1	1975.0	1972.8	1969.5	1969.5	1966.3	1966.3
12.5°	2096.7	2093.4	2101.1	2095.6	2089.0	2087.9	2081.3	2079.2	2082.4	2081.3	2079.2
15°	2217.2	2218.3	2221.6	2220.5	2212.9	2212.9	2204.1	2205.2	2198.6	2196.4	2190.9
17.5°	2334.5	2335.6	2332.3	2332.3	2326.9	2323.6	2313.7	2314.8	2310.4	2301.6	2295.1
20°	2439.7	2438.6	2431.0	2437.5	2426.6	2424.4	2415.6	2406.9	2409.1	2400.3	2387.1
22.5°	2542.8	2540.6	2538.4	2535.1	2529.6	2527.4	2517.6	2516.5	2505.5	2492.4	2481.4
25°	2662.2	2661.1	2657.8	2658.9	2648.0	2649.1	2631.5	2627.2	2620.6	2606.3	2597.6
27.5°	2816.8	2816.8	2808.0	2804.7	2801.4	2797.0	2781.7	2770.7	2754.3	2737.9	2720.3
30°	3006.4	3004.2	3002.0	2993.2	2981.2	2974.6	2947.2	2929.7	2907.7	2877.1	2850.7
32.5°	3277.1	3258.5	3243.1	3223.4	3203.7	3182.8	3140.1	3110.5	3075.4	3026.1	2984.5
35°	3578.5	3546.7	3530.3	3489.7	3452.5	3410.8	3359.3	3299.0	3250.8	3186.1	3118.2
37.5°	3827.3	3803.2	3759.4	3713.3	3660.7	3581.8	3523.7	3459.0	3374.6	3303.4	3221.2
40°	4134.2	4079.4	4016.9	3940.2	3867.9	3779.1	3699.1	3605.9	3502.9	3399.9	3292.4
42.5°	4456.4	4372.0	4269.0	4180.2	4070.6	3954.4	3850.3	3724.3	3592.8	3454.7	3311.1
45°	4785.2	4681.1	4544.1	4418.1	4265.7	4119.9	3970.9	3798.8	3619.1	3434.9	3254.1
47.5°	5086.6	4934.3	4778.6	4608.8	4433.4	4246.0	4034.5	3808.7	3571.9	3329.7	3103.9
50°	5323.4	5132.7	4936.5	4740.3	4525.5	4282.2	4015.8	3721.0	3429.4	3139.0	2879.2
52.5°	5532.7	5319.0	5077.9	4834.5	4569.3	4270.1	3936.9	3589.5	3234.4	2913.2	2621.7
55°	5938.2	5669.7	5351.9	5038.4	4703.0	4326.0	3910.6	3485.3	3076.5	2726.9	2416.7
57.5°	7039.7	6677.0	6184.8	5749.7	5324.5	4775.4	4190.1	3666.2	3145.6	2732.4	2387.1
60°	8774.7	8184.0	7620.6	6957.5	6269.2	5516.3	4731.5	4025.7	3391.1	2872.7	2457.3
62.5°	9780.9	9157.3	8432.8	7629.4	6737.2	5819.9	4918.9	4094.7	3398.8	2834.3	2374.0
65°	9509.1	8882.1	8085.3	7263.3	6314.2	5376.0	4481.6	3690.3	3015.2	2493.4	2052.8
67.5°	8702.4	8047.0	7298.4	6386.5	5479.0	4609.9	3794.4	3049.1	2451.8	1965.2	1576.1
70°	7528.6	6945.5	6224.3	5383.7	4503.5	3722.1	3034.9	2363.0	1857.8	1411.7	1104.8
72.5°	5587.5	5071.3	4620.8	3918.3	3273.8	2661.1	2101.1	1644.0	1208.9	914.1	703.6
75°	2345.5	2171.2	2097.8	1840.2	1600.2	1311.9	987.5	786.9	637.9	542.5	430.7
77.5°	568.8	568.8	534.9	500.9	460.3	416.5	368.3	328.8	309.1	291.5	277.3
80°	276.2	274.0	265.2	264.1	256.5	246.6	241.1	233.5	230.2	225.8	223.6
82.5°	194.0	192.9	189.6	194.0	192.9	197.3	199.5	200.6	200.6	201.7	202.8
85°	122.8	127.1	135.9	146.9	156.7	168.8	179.7	188.5	195.1	200.6	205.0
87.5°	77.8	88.8	95.4	111.8	128.2	146.9	167.7	176.5	184.1	185.2	178.7
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):**

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8	1743.8
2.5°	1752.5	1751.4	1753.6	1751.4	1751.4	1750.3	1747.1	1743.8	1740.5	1739.4	1736.1
5°	1795.3	1795.3	1797.5	1793.1	1794.2	1789.8	1779.9	1769.0	1759.1	1750.3	1740.5
7.5°	1867.6	1864.3	1865.4	1864.3	1862.1	1853.4	1831.5	1804.0	1777.7	1750.3	1728.4
10°	1964.1	1957.5	1957.5	1955.3	1952.0	1940.0	1893.9	1839.1	1784.3	1735.0	1698.8
12.5°	2071.5	2072.6	2063.8	2058.3	2052.8	2027.6	1958.6	1870.9	1784.3	1705.4	1647.3
15°	2183.3	2182.2	2172.3	2169.0	2157.0	2119.7	2015.6	1887.3	1763.5	1647.3	1560.7
17.5°	2284.1	2279.7	2269.9	2263.3	2250.1	2200.8	2053.9	1879.7	1708.7	1556.3	1447.8
20°	2376.2	2370.7	2361.9	2349.9	2336.7	2265.5	2068.2	1840.2	1622.1	1447.8	1338.2
22.5°	2471.5	2459.5	2449.6	2433.2	2418.9	2323.6	2058.3	1770.1	1523.5	1327.3	1210.0
25°	2577.8	2563.6	2542.8	2523.0	2501.1	2370.7	2030.9	1682.4	1405.1	1196.9	1078.5
27.5°	2692.9	2672.1	2644.7	2619.5	2584.4	2405.8	1983.8	1584.8	1275.8	1067.5	944.8
30°	2814.6	2776.2	2742.2	2703.9	2658.9	2422.2	1915.8	1464.3	1133.3	936.0	813.2
32.5°	2933.0	2881.4	2831.0	2775.1	2713.7	2415.6	1819.4	1321.8	990.8	813.2	710.2
35°	3053.5	2979.0	2908.8	2833.2	2758.7	2382.7	1686.8	1164.0	856.0	711.3	636.8
37.5°	3135.7	3042.6	2949.4	2858.4	2768.5	2311.5	1510.3	987.5	734.3	637.9	584.2
40°	3177.4	3063.4	2949.4	2836.5	2725.8	2193.1	1304.3	826.4	647.7	583.1	544.7
42.5°	3165.3	3023.9	2882.5	2748.8	2612.9	2004.6	1080.7	693.8	587.5	540.3	506.4
45°	3065.6	2896.8	2735.7	2594.3	2424.4	1762.4	887.8	611.6	541.4	505.3	473.5
47.5°	2878.1	2689.6	2492.4	2332.3	2173.4	1481.8	738.7	560.1	500.9	471.3	439.5
50°	2639.2	2421.1	2223.8	2050.7	1895.0	1219.9	636.8	516.2	468.0	442.8	408.8
52.5°	2376.2	2141.6	1961.9	1779.9	1627.6	1018.2	565.5	468.0	436.2	409.9	382.5
55°	2158.1	1941.1	1758.0	1575.0	1421.5	891.1	506.4	430.7	406.6	379.2	357.3
57.5°	2100.0	1852.3	1652.8	1479.6	1321.8	813.2	463.6	396.8	380.3	359.5	335.4
60°	2124.1	1851.2	1627.6	1438.0	1272.5	750.8	431.8	373.7	360.6	342.0	316.7
62.5°	2037.5	1749.2	1523.5	1321.8	1165.1	671.9	408.8	362.8	354.0	328.8	300.3
65°	1736.1	1472.0	1254.9	1080.7	945.9	565.5	390.2	372.6	363.9	320.0	289.3
67.5°	1321.8	1101.5	927.2	796.8	699.3	468.0	385.8	405.5	388.0	324.4	286.1
70°	914.1	747.5	635.7	556.8	495.4	394.6	400.0	441.7	416.5	338.7	304.7
72.5°	579.8	484.4	429.6	400.0	370.5	333.2	396.8	437.3	403.3	340.9	304.7
75°	371.6	332.1	313.5	302.5	293.7	290.4	349.6	359.5	324.4	295.9	283.9
77.5°	263.0	256.5	253.2	252.1	253.2	260.9	289.3	270.7	235.6	236.7	243.3
80°	222.5	222.5	220.3	221.4	223.6	226.9	231.3	199.5	180.8	195.1	217.0
82.5°	203.9	207.1	209.3	211.5	214.8	210.4	196.2	151.3	145.8	189.6	212.6
85°	207.1	207.1	208.2	210.4	211.5	189.6	163.3	114.0	111.8	212.6	200.6
87.5°	177.6	175.4	167.7	162.2	154.5	130.4	108.5	63.6	65.8	131.5	140.3
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):**

	175°	180°
0°	1743.8	1743.8
2.5°	1735.0	1735.0
5°	1735.0	1735.0
7.5°	1720.8	1716.4
10°	1679.1	1673.6
12.5°	1615.5	1610.1
15°	1518.0	1511.4
17.5°	1396.3	1385.4
20°	1269.2	1253.8
22.5°	1142.1	1130.0
25°	1011.6	1000.7
27.5°	883.4	872.4
30°	765.0	760.6
32.5°	677.3	673.0
35°	612.7	610.5
37.5°	568.8	566.6
40°	530.5	528.3
42.5°	495.4	492.1
45°	460.3	461.4
47.5°	425.3	424.2
50°	394.6	394.6
52.5°	369.4	368.3
55°	346.3	345.2
57.5°	323.3	322.2
60°	303.6	300.3
62.5°	285.0	282.8
65°	272.9	271.8
67.5°	264.1	260.9
70°	261.9	253.2
72.5°	255.4	244.4
75°	240.0	234.5
77.5°	211.5	205.0
80°	163.3	151.3
82.5°	137.0	118.4
85°	100.8	93.2
87.5°	73.4	58.1
90°	0.0	0.0

(END OF REPORT)