

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: P218824

Luminaire Tested: **XTOR6B-Y**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27506)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR6B-Y
Description: CROSSTOUR WALL MOUNT LED

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5611 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.67' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

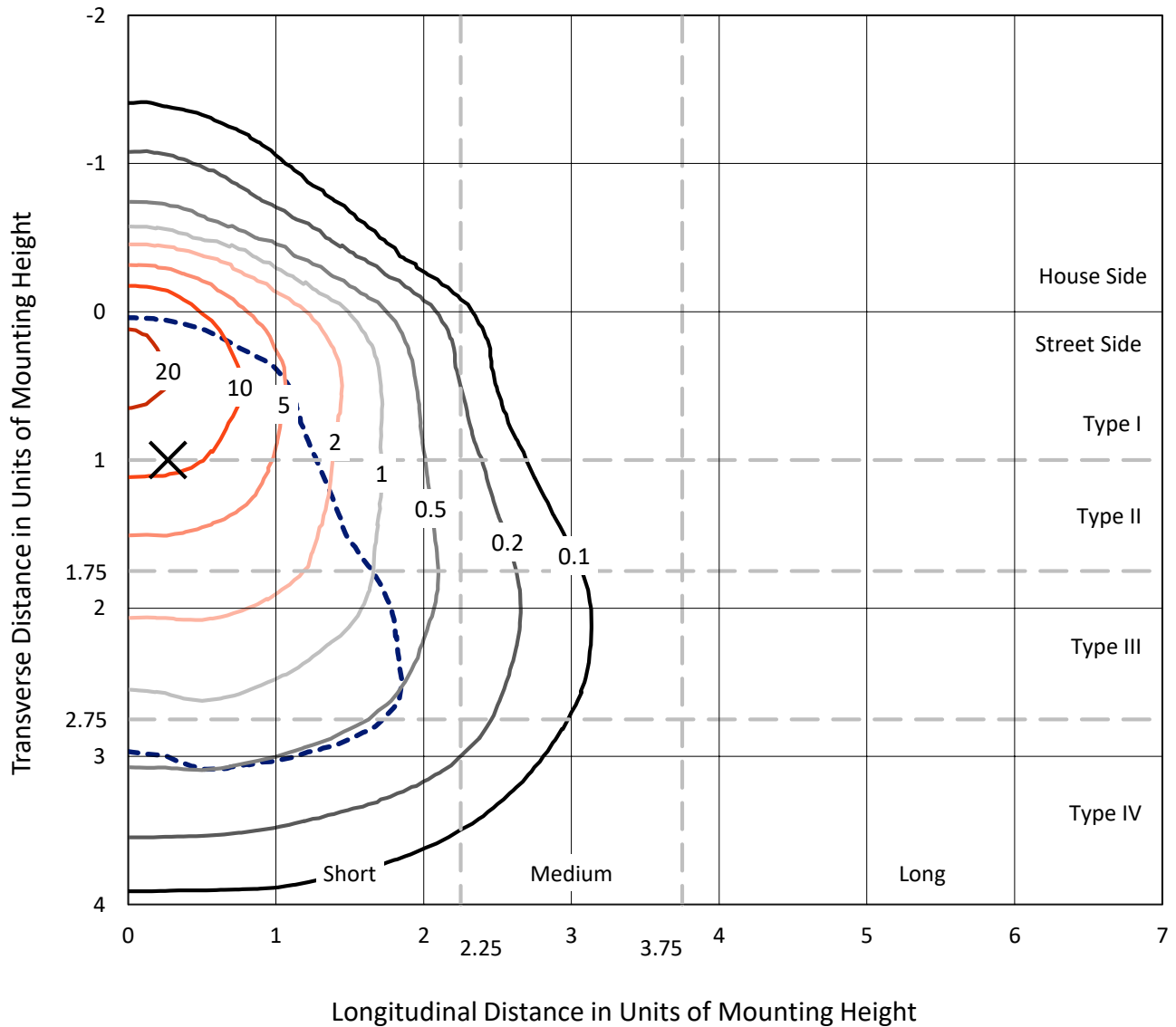
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

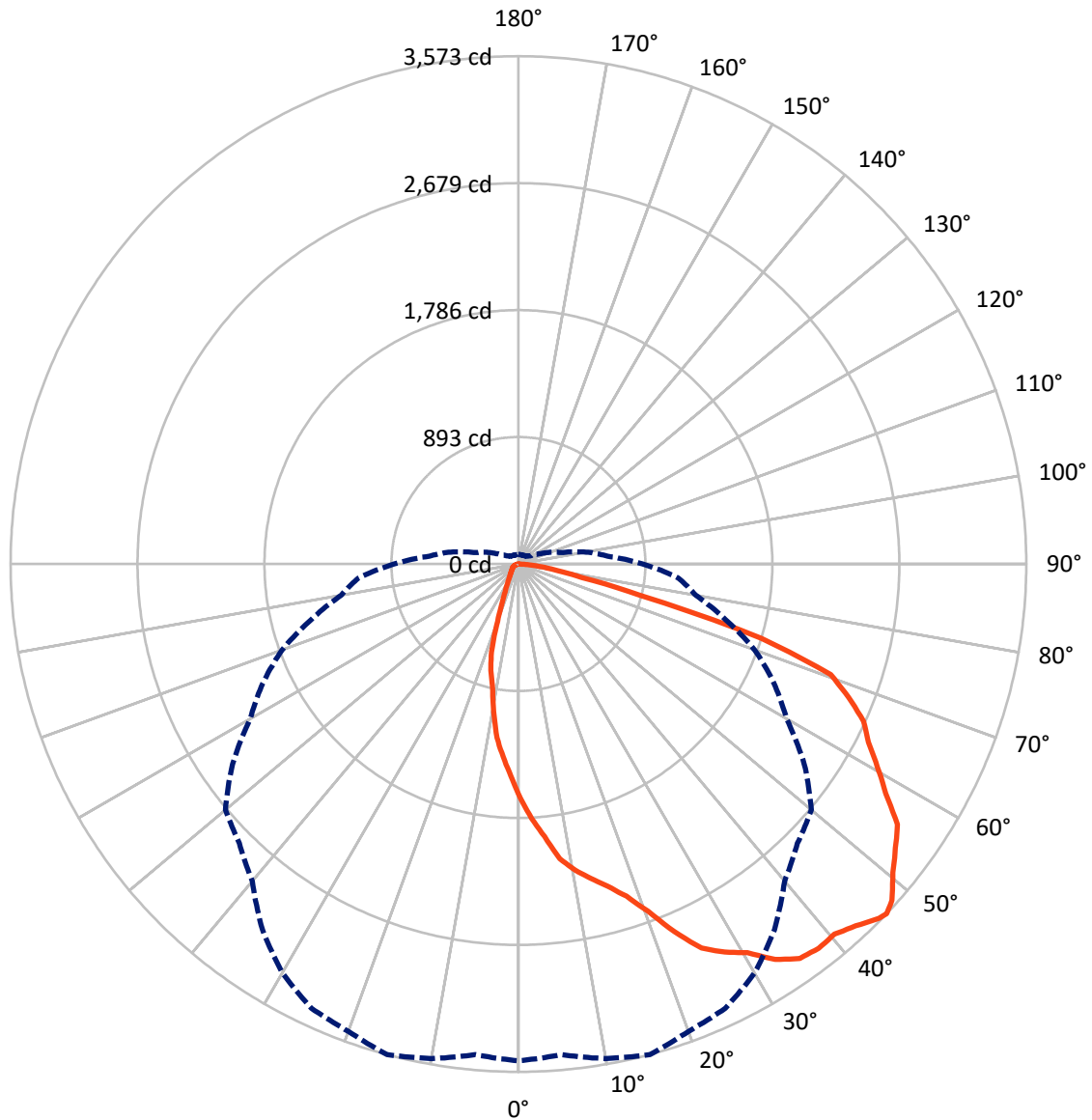
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.3 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 46-Deg Vertical

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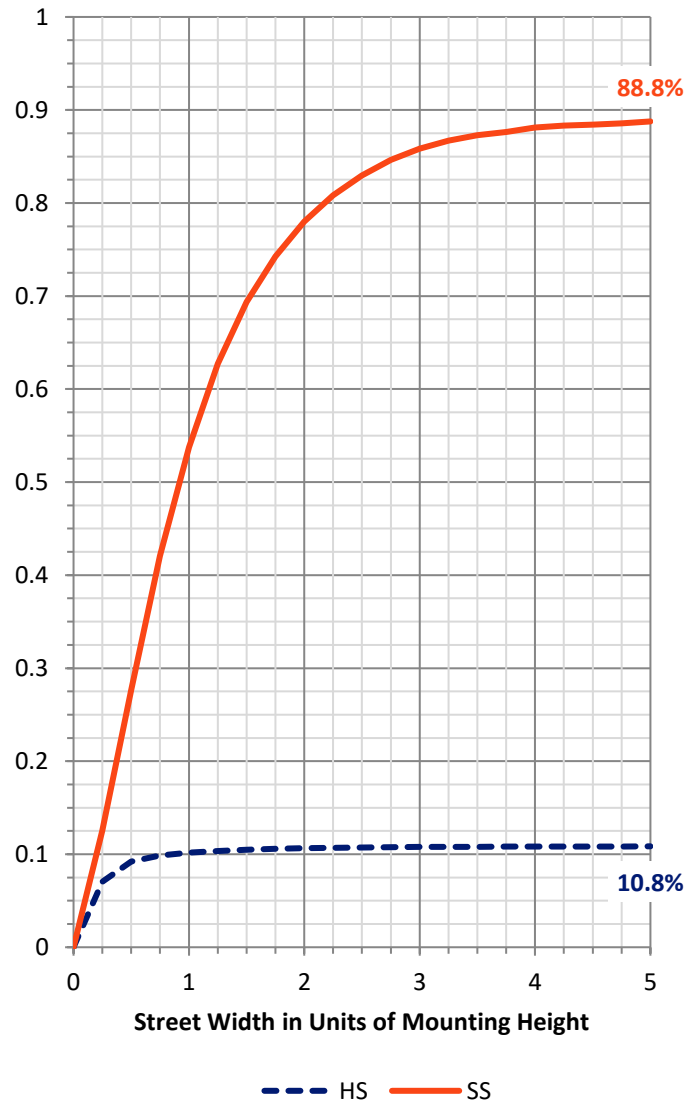
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	616.3	0.0	616.3
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	4994.7	0.0	4994.7
	% Fixture	89.0	0.0	89.0
Total	Lumens	5611.0	0.0	5611.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	2.8
10°-20°	445.1	7.9
20°-30°	697.7	12.4
30°-40°	929.3	16.6
40°-50°	1077.3	19.2
50°-60°	1046.8	18.7
60°-70°	832.2	14.8
70°-80°	387.2	6.9
80°-90°	38.7	0.7
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°	5611.0	100.0
0°-180°	5611.0	100.0



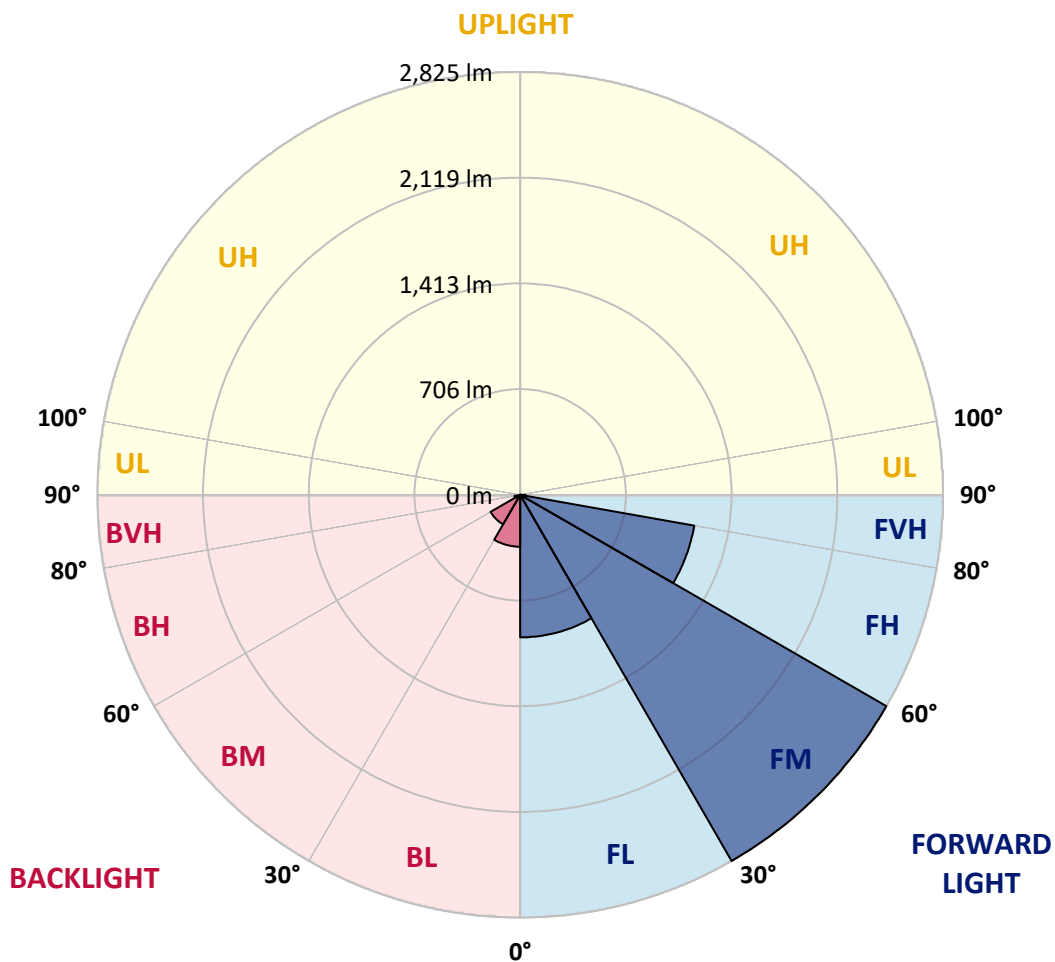
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	952.5	17.0			
FM	(30°-60°)	2825.3	50.4			
FH	(60°-80°)	1181.2	21.1			G1/1800
FVH	(80°-90°)	35.8	0.6			G1/100
BL	(0°-30°)	347.0	6.2	B1/500		
BM	(30°-60°)	228.2	4.1	B1/1000		
BH	(60°-80°)	38.2	0.7	B0/110		G0/110
BVH	(80°-90°)	3.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7
2.5°	1787.9	1762.9	1772.1	1791.9	1770.1	1774.7	1788.6	1771.4	1760.9	1743.7	1752.3
5°	1932.5	1896.2	1905.4	1925.9	1900.8	1901.5	1912.0	1890.9	1876.4	1853.9	1854.6
7.5°	2093.5	2061.8	2071.7	2094.2	2063.2	2057.2	2061.8	2030.2	2002.4	1950.3	1935.8
10°	2182.0	2151.6	2163.5	2190.5	2154.9	2149.6	2153.6	2121.9	2096.8	2060.5	2042.0
12.5°	2267.8	2230.8	2239.4	2269.7	2230.8	2232.1	2241.4	2201.1	2172.1	2134.4	2119.3
15°	2352.2	2313.3	2319.9	2350.9	2306.7	2312.0	2323.9	2286.9	2248.0	2214.3	2193.2
17.5°	2448.6	2420.9	2425.5	2457.2	2407.0	2403.7	2393.2	2345.6	2313.3	2277.0	2247.3
20°	2663.1	2610.3	2593.8	2607.7	2541.0	2522.5	2488.2	2428.8	2375.3	2317.3	2290.9
22.5°	2878.9	2826.8	2811.6	2810.3	2726.5	2694.1	2641.3	2555.5	2457.8	2378.0	2318.6
25°	3050.5	2995.7	2987.8	2993.1	2915.9	2874.3	2812.3	2717.2	2599.7	2479.6	2380.0
27.5°	3125.1	3066.4	3069.0	3092.1	3026.8	3014.9	2970.0	2865.1	2741.6	2612.3	2483.6
30°	3259.7	3194.4	3174.6	3172.6	3080.9	3070.3	3051.2	2960.8	2848.6	2730.4	2603.7
32.5°	3412.2	3337.6	3331.7	3316.5	3206.9	3168.7	3116.5	3009.6	2884.2	2801.7	2689.5
35°	3453.1	3397.0	3410.9	3408.2	3317.8	3284.8	3221.5	3112.6	2919.2	2815.6	2739.0
37.5°	3435.3	3385.1	3412.9	3430.0	3362.7	3354.1	3296.0	3199.0	3009.6	2834.0	2733.1
40°	3424.1	3375.9	3410.2	3423.4	3347.5	3346.9	3314.5	3220.8	3048.5	2900.7	2739.0
42.5°	3496.7	3441.9	3470.9	3479.5	3377.9	3352.1	3280.2	3160.1	3016.2	2905.3	2766.7
45°	3529.7	3489.4	3536.3	3556.1	3462.4	3426.1	3303.3	3125.1	2929.7	2824.1	2723.8
46°	3494.7	3464.3	3533.0	3572.6	3498.0	3447.2	3321.8	3139.6	2912.6	2776.6	2690.2
47.5°	3401.6	3376.6	3460.4	3535.0	3503.9	3479.5	3335.0	3158.1	2906.6	2718.5	2583.2
50°	3253.8	3239.3	3340.3	3412.9	3390.4	3391.1	3304.6	3156.1	2903.3	2674.3	2410.3
52.5°	3210.2	3206.3	3302.6	3321.1	3263.7	3269.6	3185.8	3064.4	2854.5	2598.4	2306.0
55°	3072.3	3076.3	3203.0	3235.3	3192.4	3197.7	3120.5	2986.5	2696.8	2449.3	2151.6
57.5°	2891.5	2898.1	3020.8	3046.6	3032.7	3079.6	3041.3	2906.6	2627.5	2271.7	1951.6
60°	2718.5	2732.4	2839.3	2902.0	2915.9	2958.1	2880.2	2766.7	2478.3	2110.7	1761.5
62.5°	2554.9	2568.1	2665.7	2763.4	2851.9	2882.9	2785.9	2613.6	2242.0	1895.5	1599.8
65°	2326.5	2328.5	2512.0	2667.7	2700.1	2708.0	2639.3	2548.3	2102.8	1706.1	1441.4
67.5°	2069.1	2118.6	2389.2	2505.4	2479.0	2500.1	2404.4	2352.2	2054.6	1649.3	1324.0
70°	2015.6	2076.4	2295.5	2329.8	2288.2	2248.0	2122.6	2039.4	1829.5	1586.0	1240.1
72.5°	1589.9	1617.7	1753.6	1787.9	1840.1	1897.5	1926.5	1834.1	1577.4	1230.2	1039.5
75°	741.8	751.1	796.6	886.4	945.8	1056.7	1151.7	1209.1	1149.1	984.7	816.4
77.5°	411.8	416.5	436.9	455.4	463.3	479.2	502.3	502.9	492.4	500.9	513.5
80°	255.4	256.1	266.0	281.8	289.7	299.6	305.6	287.8	245.5	208.6	189.4
82.5°	151.1	150.5	155.1	161.0	165.7	178.2	181.5	174.2	136.0	114.8	95.7
85°	71.9	71.3	72.6	75.2	76.6	83.8	86.5	83.2	64.0	54.1	42.2
87.5°	15.2	15.8	15.2	16.5	15.8	17.8	17.8	19.8	15.2	14.5	9.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7
2.5°	1745.7	1736.5	1708.7	1682.3	1688.3	1655.3	1677.1	1632.8	1619.6	1612.4	1606.4
5°	1837.4	1815.7	1774.1	1734.5	1724.6	1677.7	1688.3	1632.8	1607.8	1587.3	1566.2
7.5°	1908.7	1881.0	1834.1	1784.6	1759.6	1690.9	1690.3	1624.3	1586.0	1549.7	1522.6
10°	1999.1	1927.2	1876.4	1819.0	1782.7	1700.2	1679.7	1605.1	1553.0	1506.1	1472.5
12.5°	2076.4	2015.6	1937.1	1847.3	1807.7	1710.7	1674.4	1586.6	1520.0	1464.5	1415.0
15°	2137.7	2081.0	2008.4	1903.4	1830.2	1721.9	1671.1	1566.8	1485.0	1423.0	1348.4
17.5°	2193.2	2125.2	2054.6	1951.0	1841.4	1724.6	1657.9	1533.8	1438.8	1368.2	1277.1
20°	2223.5	2150.9	2074.4	1970.8	1867.1	1710.7	1632.2	1492.9	1382.7	1295.6	1207.1
22.5°	2251.3	2160.8	2084.3	1972.1	1869.8	1689.6	1598.5	1444.1	1320.7	1218.4	1134.5
25°	2282.9	2183.9	2088.2	1972.7	1865.2	1669.8	1564.2	1390.0	1257.3	1137.8	1056.7
27.5°	2341.0	2201.8	2104.7	1968.1	1847.3	1666.5	1526.6	1334.5	1189.3	1061.9	965.6
30°	2437.4	2238.1	2100.8	1943.7	1821.6	1640.8	1475.8	1273.8	1116.1	979.4	868.6
32.5°	2526.5	2294.2	2107.4	1931.2	1781.3	1603.8	1420.3	1207.8	1038.8	898.3	768.9
35°	2587.9	2345.6	2119.3	1899.5	1728.5	1551.0	1368.8	1141.1	959.6	819.1	671.2
37.5°	2609.6	2374.0	2138.4	1871.8	1679.7	1496.2	1324.0	1079.8	882.4	741.2	581.5
40°	2562.1	2366.1	2130.5	1846.0	1628.2	1436.2	1283.7	1017.7	805.9	664.0	493.0
42.5°	2529.1	2288.9	2096.2	1824.9	1568.2	1360.3	1229.6	957.0	731.3	588.7	400.0
45°	2489.5	2217.6	2032.8	1790.6	1523.3	1290.3	1159.0	897.6	658.0	513.5	330.7
46°	2455.2	2178.7	1983.3	1769.5	1508.1	1265.9	1129.9	873.8	629.6	483.8	309.5
47.5°	2392.5	2118.6	1913.3	1724.6	1484.3	1224.3	1082.4	836.2	588.7	439.6	274.6
50°	2211.0	1977.4	1795.9	1614.4	1426.3	1152.4	994.0	770.2	520.1	368.9	221.1
52.5°	1993.9	1806.4	1673.1	1479.7	1331.9	1093.6	888.4	698.9	450.1	302.3	181.5
55°	1832.8	1589.3	1513.4	1342.4	1199.9	1021.0	786.1	618.4	377.5	239.6	147.2
57.5°	1654.6	1433.5	1294.9	1206.5	1051.4	910.8	679.8	521.4	306.9	182.2	118.1
60°	1464.5	1273.1	1135.9	1001.9	867.2	735.2	564.3	417.1	240.2	133.3	94.4
62.5°	1342.4	1114.1	925.3	814.4	657.4	550.4	436.3	315.5	172.9	95.0	73.3
65°	1208.5	965.6	741.2	588.7	462.0	355.1	306.9	220.4	117.5	69.3	58.1
67.5°	1045.4	768.9	599.3	393.4	304.3	211.9	196.7	135.3	77.9	53.5	47.5
70°	906.2	632.9	429.0	304.9	178.9	141.9	107.6	78.5	52.1	42.9	38.9
72.5°	791.3	531.3	358.4	198.7	134.0	82.5	62.0	44.9	36.3	33.7	31.7
75°	636.9	495.0	294.4	162.4	91.7	51.5	36.3	29.7	28.4	25.7	25.1
77.5°	492.4	408.5	261.4	134.6	64.7	29.7	25.7	22.4	21.8	20.5	19.8
80°	190.7	194.7	174.9	100.3	42.2	20.5	17.8	15.8	15.8	15.2	14.5
82.5°	83.2	68.0	62.0	43.6	22.4	13.2	11.9	10.6	10.6	10.6	9.9
85°	36.3	27.1	20.5	13.2	9.9	7.9	7.9	7.3	7.3	7.3	6.6
87.5°	9.2	7.9	6.6	5.9	5.9	5.3	5.9	5.9	5.3	5.3	5.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7
2.5°	1582.7	1578.7	1578.1	1540.4	1546.4	1516.0	1523.9	1521.3	1509.4	1496.9	1498.2
5°	1533.8	1522.6	1516.0	1465.9	1461.2	1416.4	1411.1	1398.5	1383.4	1366.9	1368.2
7.5°	1483.0	1455.3	1426.9	1364.2	1359.6	1324.6	1320.0	1304.8	1283.0	1253.3	1248.7
10°	1410.4	1366.9	1345.7	1291.0	1273.8	1221.0	1197.2	1165.6	1134.5	1094.9	1082.4
12.5°	1337.2	1305.5	1275.8	1199.2	1161.6	1094.3	1056.7	986.0	931.3	904.2	884.4
15°	1279.1	1239.5	1184.7	1089.7	1034.9	925.3	882.4	838.2	815.1	800.6	786.7
17.5°	1214.4	1149.7	1073.2	959.0	867.2	801.2	780.1	752.4	720.1	691.7	656.7
20°	1131.2	1043.5	947.8	811.8	758.3	718.1	683.1	634.9	585.4	537.9	475.2
22.5°	1036.9	933.9	799.3	714.1	677.2	617.1	564.3	469.3	413.8	375.5	341.2
25°	935.2	792.7	693.7	636.9	579.5	503.6	410.5	349.1	304.3	275.2	252.1
27.5°	830.3	683.1	614.5	548.5	473.2	368.9	309.5	262.7	231.0	211.9	200.6
30°	712.1	585.4	534.6	456.1	348.5	279.2	236.3	203.9	182.8	169.6	161.0
32.5°	588.1	509.5	450.1	339.2	269.9	216.5	185.5	165.7	149.2	139.9	134.6
35°	499.0	440.9	363.0	264.0	207.2	167.6	149.2	134.6	124.1	116.2	112.9
37.5°	423.1	371.6	273.9	204.6	163.0	137.3	122.8	112.9	104.9	100.3	98.3
40°	365.0	306.2	216.5	161.0	130.7	112.2	103.6	96.4	92.4	88.4	87.1
42.5°	310.9	236.3	172.3	128.7	107.6	95.0	89.1	84.5	81.2	78.5	77.9
45°	260.7	188.1	139.3	106.3	91.7	82.5	78.5	75.2	73.3	70.6	70.6
46°	241.6	172.9	128.7	99.0	87.1	78.5	75.2	71.9	70.0	68.0	68.0
47.5°	213.2	153.8	114.2	90.4	79.9	73.3	70.6	68.0	66.0	64.7	64.7
50°	169.6	124.1	95.0	79.2	71.3	66.0	64.0	62.0	61.4	60.1	60.7
52.5°	132.7	102.3	81.8	70.0	64.0	60.1	58.7	58.1	57.4	55.4	55.4
55°	106.9	84.5	71.3	62.0	58.1	55.4	54.8	54.1	52.8	51.5	51.5
57.5°	87.8	73.3	62.7	55.4	52.8	52.1	51.5	49.5	48.8	48.2	48.8
60°	73.3	63.4	56.1	50.8	48.8	48.2	46.9	46.2	46.2	45.5	46.2
62.5°	61.4	55.4	50.2	46.2	45.5	44.2	44.2	43.6	42.9	42.2	42.2
65°	51.5	48.8	44.2	41.6	40.9	40.9	41.6	40.3	38.9	37.6	37.0
67.5°	44.2	42.2	39.6	37.0	38.3	37.6	37.6	35.6	33.7	32.3	31.0
70°	37.0	35.6	34.3	33.7	34.3	33.7	32.3	30.4	29.0	27.1	26.4
72.5°	30.4	29.7	29.7	29.0	29.0	27.7	26.4	25.1	24.4	22.4	22.4
75°	23.8	24.4	24.4	24.4	23.1	22.4	21.8	20.5	19.8	18.5	17.8
77.5°	18.5	19.1	19.1	18.5	17.8	17.2	16.5	15.8	15.2	13.9	13.9
80°	13.9	13.9	13.9	13.2	13.2	12.5	11.9	11.2	10.6	9.9	9.9
82.5°	9.2	9.2	8.6	8.6	7.9	7.9	7.9	7.3	6.6	5.9	5.9
85°	6.6	5.9	5.9	5.3	5.3	5.3	4.6	4.6	4.0	3.3	3.3
87.5°	4.6	4.6	4.0	4.0	4.0	3.3	3.3	3.3	2.6	2.0	2.0
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):

	165°	170°	175°	180°
0°	1648.7	1648.7	1648.7	1648.7
2.5°	1492.9	1478.4	1509.4	1479.7
5°	1360.3	1345.7	1371.5	1341.1
7.5°	1232.2	1218.4	1236.8	1205.2
10°	1053.4	1037.5	1030.3	1013.8
12.5°	875.8	851.4	855.4	833.6
15°	774.8	759.7	760.3	740.5
17.5°	648.1	617.1	612.5	594.7
20°	454.7	425.0	417.8	405.2
22.5°	325.4	302.3	297.0	288.4
25°	239.6	227.0	225.1	217.8
27.5°	190.7	182.2	180.8	174.9
30°	155.8	147.8	147.8	143.2
32.5°	129.4	123.4	123.4	118.8
35°	109.6	106.3	106.9	103.0
37.5°	95.7	93.1	94.4	91.1
40°	85.8	82.5	83.8	81.2
42.5°	76.6	74.6	75.2	72.6
45°	70.0	68.0	69.3	66.7
46°	67.3	66.0	67.3	65.3
47.5°	64.7	63.4	64.7	62.7
50°	60.1	58.7	59.4	57.4
52.5°	54.8	54.1	54.8	53.5
55°	51.5	50.8	52.1	50.8
57.5°	48.8	48.2	48.8	48.2
60°	45.5	44.9	44.9	43.6
62.5°	40.9	39.6	39.6	38.3
65°	35.6	34.3	34.3	33.0
67.5°	30.4	29.0	29.0	28.4
70°	25.7	24.4	25.1	23.8
72.5°	21.8	20.5	20.5	19.8
75°	17.2	16.5	16.5	15.8
77.5°	13.2	12.5	12.5	11.9
80°	9.2	8.6	8.6	7.9
82.5°	5.3	4.6	5.3	4.6
85°	2.0	2.0	2.0	2.0
87.5°	1.3	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)