

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: P208570

Luminaire Tested: **XTOR6B-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P208570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27504)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR6B-W
Description: CROSSTOUR 58W WALL MOUNT LED

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6038.3 lumens
Efficiency: N/A
Efficacy: 104.1 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

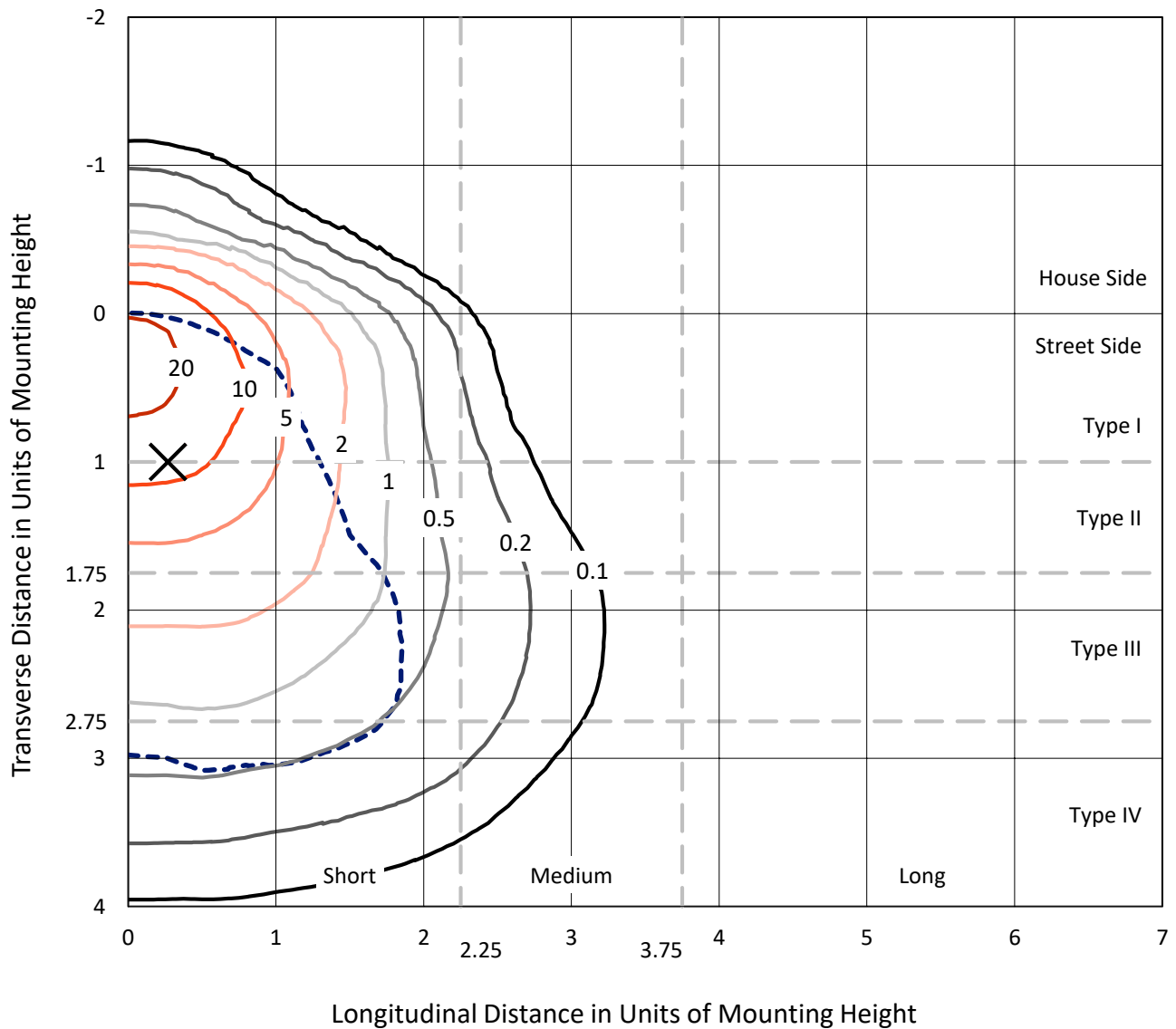
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

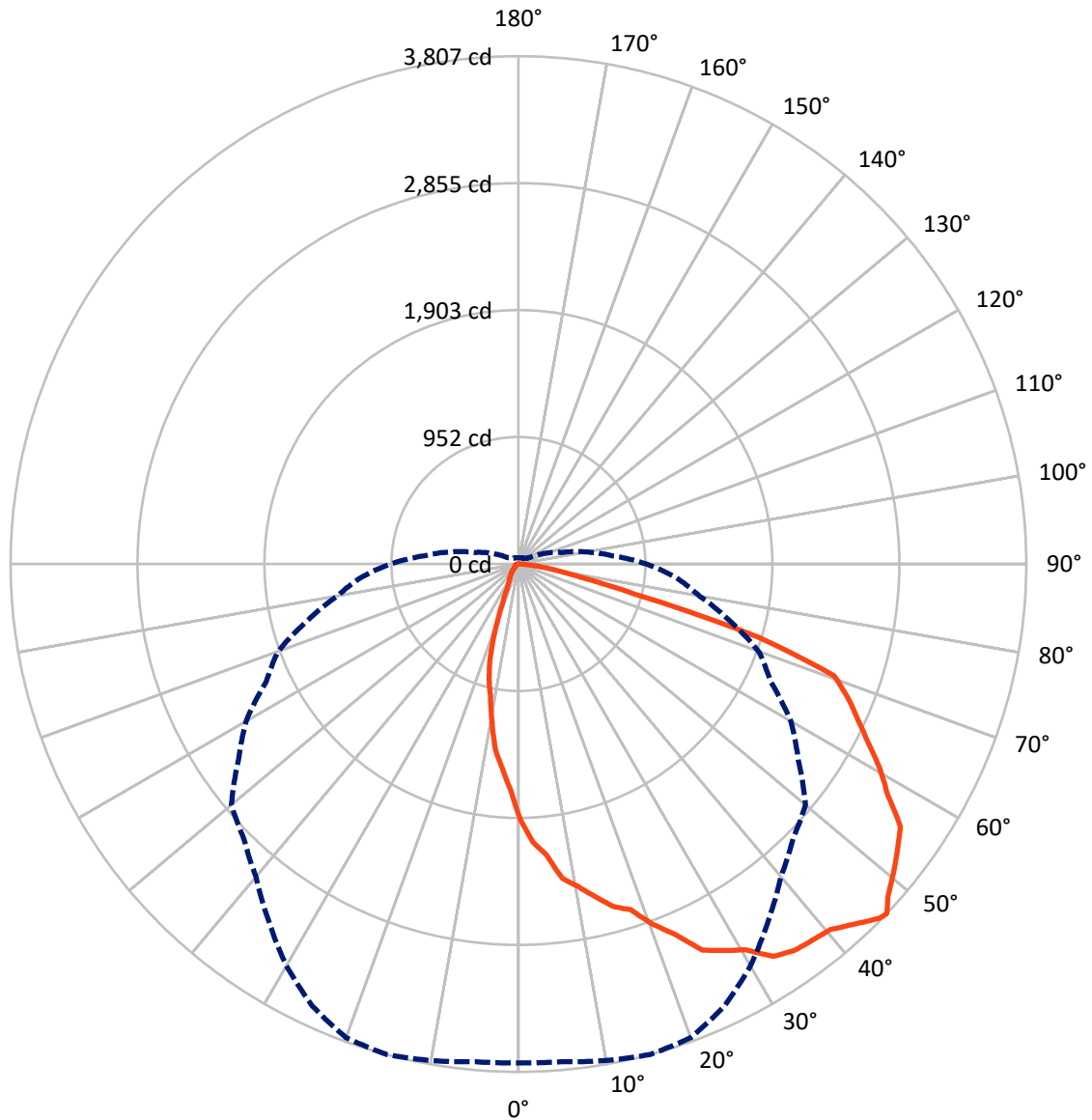
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.5 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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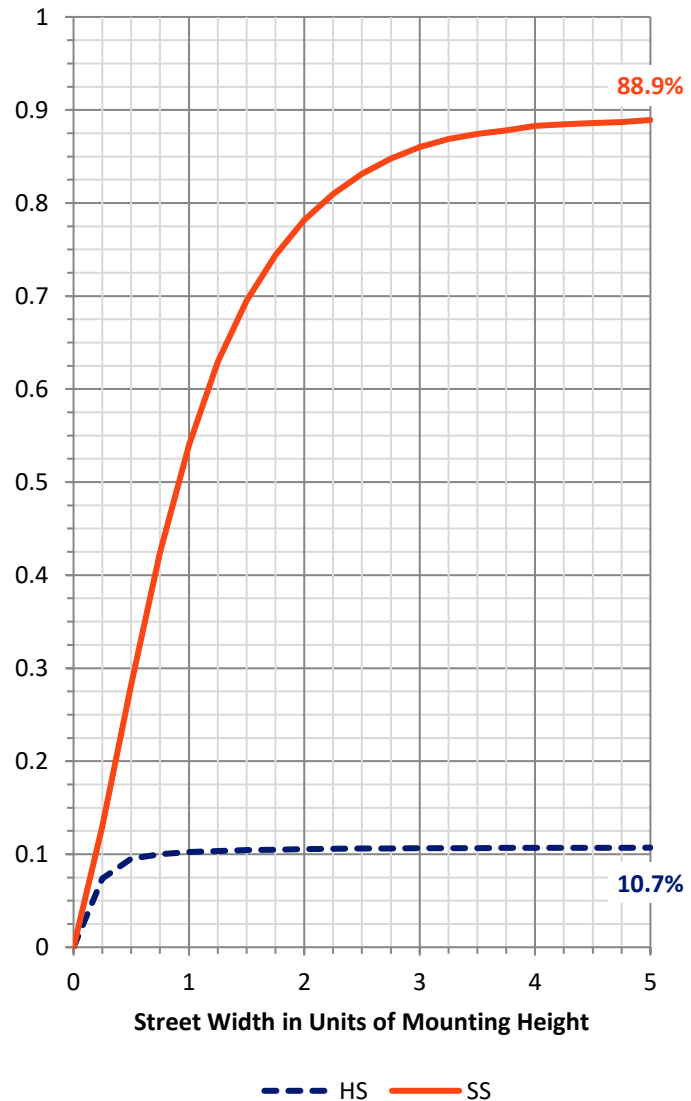
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	655.9	0.0	655.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	5382.4	0.0	5382.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	6038.3	0.0	6038.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.7	3.0
10°-20°	504.4	8.4
20°-30°	765.0	12.7
30°-40°	993.5	16.5
40°-50°	1140.3	18.9
50°-60°	1106.3	18.3
60°-70°	890.2	14.7
70°-80°	417.1	6.9
80°-90°	41.7	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°	6038.3	100.0
0°-180°	6038.3	100.0



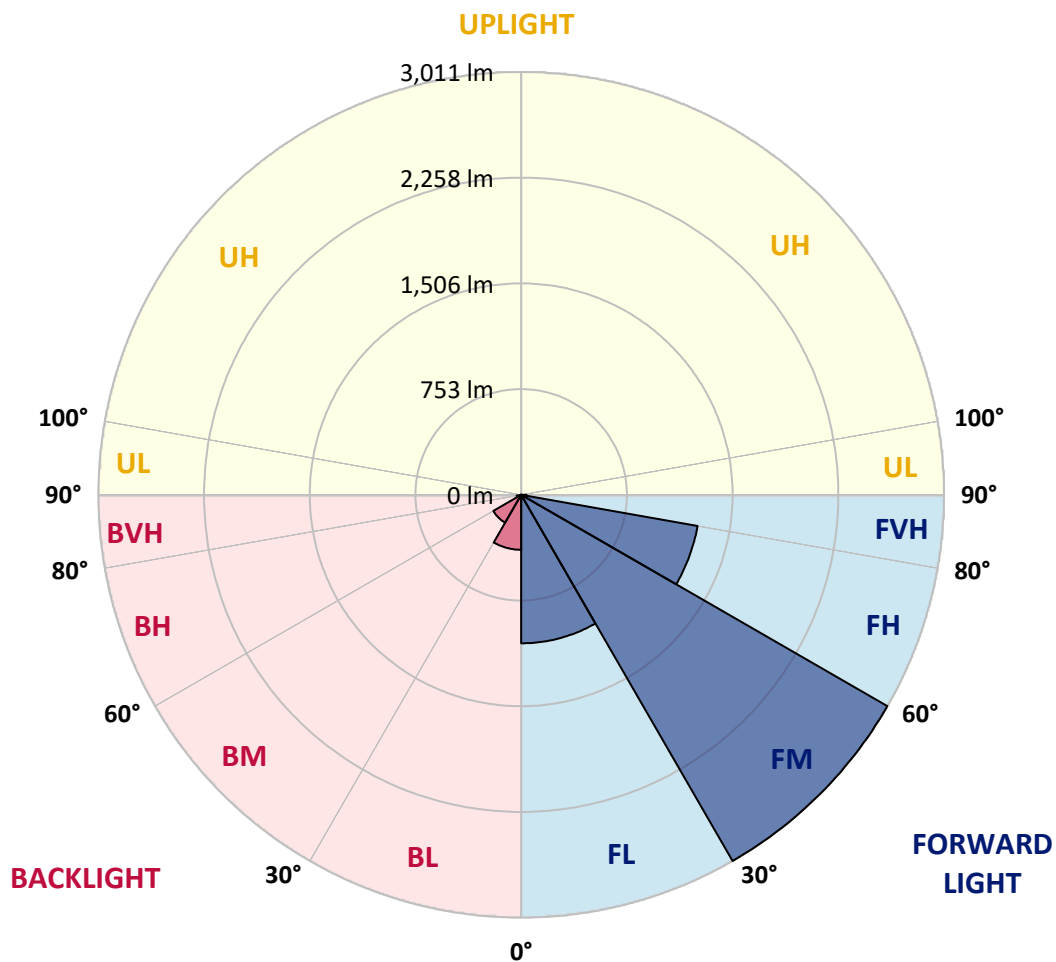
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1057.5	17.5			
FM	(30°-60°)	3011.3	49.9			
FH	(60°-80°)	1275.3	21.1			G1/1800
FVH	(80°-90°)	38.3	0.6			G1/100
BL	(0°-30°)	391.6	6.5	B1/500		
BM	(30°-60°)	228.8	3.8	B1/1000		
BH	(60°-80°)	32.1	0.5	B0/110		G0/110
BVH	(80°-90°)	3.4	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°	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1
2.5°	2100.3	2098.4	2079.6	2087.5	2089.5	2086.5	2065.8	2060.9	2041.2	2039.2	2021.5
5°	2214.6	2204.7	2185.0	2190.0	2193.9	2181.1	2159.4	2159.4	2147.6	2155.5	2143.7
7.5°	2385.0	2382.1	2373.2	2380.1	2391.9	2374.2	2347.6	2324.0	2271.7	2239.2	2196.9
10°	2477.6	2470.7	2455.0	2457.9	2453.0	2422.5	2390.0	2377.1	2363.4	2370.3	2338.7
12.5°	2579.1	2572.2	2558.4	2558.4	2556.4	2522.0	2497.3	2473.7	2434.3	2402.8	2366.3
15°	2683.5	2679.6	2665.8	2664.8	2659.9	2629.3	2595.8	2566.3	2519.0	2497.3	2442.2
17.5°	2757.4	2747.6	2728.8	2724.9	2721.9	2687.5	2664.8	2641.2	2595.8	2563.3	2497.3
20°	2946.6	2930.8	2901.2	2883.5	2869.7	2801.7	2727.9	2672.7	2634.3	2611.6	2547.6
22.5°	3132.8	3107.1	3063.8	3017.5	2986.0	2936.7	2882.5	2818.5	2695.3	2627.4	2574.2
25°	3262.8	3244.1	3213.5	3205.7	3193.8	3112.1	2991.9	2913.1	2835.2	2753.5	2599.8
27.5°	3349.5	3321.9	3292.3	3281.5	3266.7	3202.7	3143.6	3067.7	2928.8	2845.1	2735.7
30°	3485.4	3454.9	3399.7	3355.4	3335.7	3274.6	3221.4	3108.1	3034.2	2948.5	2798.8
32.5°	3600.7	3572.1	3539.6	3506.1	3478.5	3356.4	3278.6	3174.1	3053.0	2976.1	2889.4
35°	3629.3	3615.5	3590.8	3559.3	3532.7	3441.1	3376.1	3277.6	3090.4	3002.7	2885.5
37.5°	3609.6	3603.7	3583.9	3578.0	3567.2	3491.3	3405.6	3309.1	3182.0	3032.3	2899.3
40°	3672.6	3655.9	3639.1	3601.7	3566.2	3474.6	3403.7	3315.0	3177.1	3083.5	2918.0
42.5°	3747.5	3721.9	3711.0	3690.3	3649.0	3538.6	3393.8	3243.1	3137.7	3063.8	2916.0
45°	3790.8	3785.9	3791.8	3789.8	3748.5	3616.5	3451.0	3257.9	3058.9	2955.4	2850.0
46°	3738.6	3744.5	3779.0	3806.6	3778.0	3654.9	3478.5	3264.8	3060.8	2911.1	2808.6
47.5°	3650.9	3652.9	3678.5	3725.8	3776.1	3685.4	3507.1	3290.4	3054.9	2873.7	2698.3
50°	3506.1	3516.0	3561.3	3642.1	3676.6	3581.0	3462.8	3298.3	3073.6	2840.2	2576.1
52.5°	3425.3	3452.9	3500.2	3558.3	3561.3	3452.9	3370.2	3178.1	3032.3	2788.0	2476.6
55°	3245.1	3277.6	3394.8	3473.6	3455.9	3350.5	3283.5	3111.1	2910.1	2651.0	2329.9
57.5°	3071.7	3117.0	3207.6	3262.8	3251.0	3207.6	3199.7	3023.4	2801.7	2498.3	2119.0
60°	2941.6	2979.1	3052.0	3112.1	3126.8	3095.3	3022.4	2873.7	2636.2	2315.1	1959.4
62.5°	2784.0	2808.6	2875.6	2938.7	3079.6	3062.8	2946.6	2752.5	2396.9	2093.4	1759.5
65°	2494.4	2514.1	2625.4	2791.9	2924.9	2901.2	2813.6	2696.3	2297.4	1886.5	1583.1
67.5°	2257.0	2312.1	2534.8	2660.9	2684.5	2653.0	2552.5	2489.5	2280.6	1881.6	1487.6
70°	2185.0	2237.3	2405.7	2509.2	2487.5	2438.2	2308.2	2166.3	2004.8	1741.7	1395.9
72.5°	1686.6	1712.2	1865.9	1885.6	2021.5	2052.1	2069.8	1926.0	1714.1	1373.3	1131.9
75°	787.1	799.0	861.0	900.4	997.0	1122.1	1260.0	1324.0	1234.4	1087.6	914.2
77.5°	438.4	440.4	462.0	467.9	482.7	496.5	521.1	540.8	531.0	553.6	593.1
80°	268.9	268.9	282.7	290.6	304.4	308.3	320.2	310.3	255.2	236.4	227.6
82.5°	155.7	156.6	162.5	163.5	179.3	179.3	185.2	175.4	142.8	131.0	114.3
85°	73.9	72.9	76.8	77.8	82.8	83.7	85.7	81.8	65.0	60.1	51.2
87.5°	15.8	15.8	16.7	16.7	17.7	17.7	18.7	18.7	15.8	14.8	12.8
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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 CATALOG NUMBER: XTOR6B-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1
2.5°	2013.6	1996.9	1960.4	1969.3	1939.7	1942.7	1917.1	1913.1	1880.6	1872.8	1858.0
5°	2137.8	2112.1	2058.0	2036.3	1980.1	1962.4	1922.0	1909.2	1867.8	1842.2	1799.9
7.5°	2176.2	2155.5	2115.1	2109.2	2030.4	1980.1	1919.1	1897.4	1844.2	1792.0	1728.9
10°	2272.7	2195.9	2125.0	2124.0	2062.9	1993.9	1904.3	1869.8	1803.8	1725.0	1651.1
12.5°	2351.5	2315.1	2177.2	2128.9	2069.8	2015.6	1894.4	1843.2	1763.4	1659.0	1594.9
15°	2376.2	2336.8	2277.6	2179.1	2062.9	2022.5	1890.5	1814.6	1719.1	1598.9	1533.9
17.5°	2441.2	2360.4	2275.7	2252.0	2066.8	2000.8	1879.7	1772.3	1660.9	1530.9	1446.2
20°	2464.8	2396.9	2271.7	2230.4	2086.5	1961.4	1854.0	1717.1	1591.0	1458.0	1351.6
22.5°	2499.3	2404.7	2293.4	2197.9	2103.3	1923.0	1815.6	1657.0	1516.1	1378.2	1260.0
25°	2520.0	2441.2	2288.5	2206.7	2061.9	1907.2	1766.4	1595.9	1440.3	1295.5	1173.3
27.5°	2548.6	2458.9	2311.1	2195.9	2021.5	1900.3	1705.3	1533.9	1360.5	1206.8	1090.6
30°	2666.8	2462.9	2312.1	2167.3	1998.9	1872.8	1636.3	1462.9	1275.8	1109.3	985.1
32.5°	2698.3	2541.7	2284.5	2153.5	1954.5	1795.9	1567.4	1388.1	1185.1	1006.8	874.8
35°	2750.5	2557.4	2292.4	2115.1	1886.5	1722.0	1516.1	1317.1	1095.5	909.3	762.5
37.5°	2729.8	2565.3	2310.2	2054.0	1840.2	1666.9	1467.9	1248.2	1008.8	817.7	663.0
40°	2696.3	2546.6	2271.7	2034.3	1775.2	1593.0	1406.8	1171.3	920.1	728.0	560.5
42.5°	2675.6	2451.0	2246.1	2006.7	1691.5	1486.6	1317.1	1084.6	830.5	640.3	459.1
45°	2620.5	2392.9	2142.7	1944.7	1647.2	1407.8	1222.6	994.0	742.8	554.6	368.4
46°	2561.4	2357.4	2085.5	1918.1	1636.3	1377.2	1189.1	958.5	708.3	521.1	334.9
47.5°	2508.2	2305.2	2027.4	1871.8	1597.9	1323.0	1138.8	910.3	656.1	467.0	288.6
50°	2321.0	2130.9	1901.3	1717.1	1523.0	1239.3	1038.3	833.4	570.4	389.1	222.6
52.5°	2136.8	1940.7	1762.4	1588.0	1413.7	1191.0	922.1	755.6	484.7	313.3	168.5
55°	1966.3	1737.8	1594.0	1451.1	1254.1	1098.4	817.7	662.0	399.0	241.4	127.1
57.5°	1793.9	1562.4	1399.9	1296.4	1103.4	984.2	703.4	551.7	325.1	181.3	96.5
60°	1618.6	1409.7	1212.7	1079.7	913.2	800.9	592.1	442.3	251.2	128.1	72.9
62.5°	1488.5	1253.1	999.9	866.9	683.7	599.0	450.2	331.0	179.3	86.7	55.2
65°	1326.0	1084.6	803.9	623.6	499.5	383.2	329.0	220.7	117.2	54.2	44.3
67.5°	1135.9	875.8	643.3	427.6	319.2	235.4	204.9	135.9	75.9	37.4	34.5
70°	997.0	700.4	467.0	341.8	199.0	164.5	116.2	81.8	45.3	29.6	28.6
72.5°	885.6	610.8	387.2	233.5	156.6	100.5	66.0	46.3	30.5	23.6	23.6
75°	709.3	554.6	340.9	193.1	109.4	61.1	40.4	27.6	22.7	19.7	18.7
77.5°	546.8	472.9	306.4	169.4	80.8	37.4	25.6	20.7	17.7	15.8	15.8
80°	218.7	235.4	185.2	121.2	54.2	24.6	17.7	15.8	13.8	12.8	11.8
82.5°	96.5	82.8	68.0	51.2	23.6	14.8	12.8	10.8	9.9	8.9	8.9
85°	42.4	33.5	23.6	17.7	10.8	9.9	8.9	8.9	7.9	7.9	6.9
87.5°	9.9	8.9	6.9	6.9	5.9	6.9	6.9	6.9	5.9	5.9	5.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1	1917.1
2.5°	1842.2	1832.4	1818.6	1810.7	1765.4	1767.3	1752.6	1733.9	1721.0	1706.3	1719.1
5°	1758.5	1729.9	1707.3	1697.4	1660.0	1657.0	1635.3	1608.7	1586.1	1561.5	1566.4
7.5°	1677.7	1653.1	1627.5	1597.9	1526.0	1511.2	1492.5	1475.7	1462.0	1437.3	1440.3
10°	1610.7	1564.4	1506.3	1479.7	1432.4	1411.7	1364.4	1321.1	1288.6	1251.1	1235.4
12.5°	1533.9	1460.0	1427.5	1395.0	1308.3	1259.0	1201.9	1140.8	1093.5	1050.2	1038.3
15°	1436.3	1391.0	1334.9	1257.0	1160.5	1081.7	1025.5	982.2	945.7	915.2	907.3
17.5°	1357.5	1301.4	1206.8	1109.3	995.0	940.8	899.4	862.0	823.6	783.2	757.6
20°	1277.7	1176.3	1064.9	954.6	868.9	825.5	784.2	720.1	666.9	598.0	555.6
22.5°	1172.3	1053.1	916.2	828.5	766.4	703.4	634.4	544.8	478.8	409.8	364.5
25°	1055.1	910.3	795.0	730.0	648.2	556.6	469.9	378.3	317.2	265.0	233.5
27.5°	942.8	783.2	692.6	625.6	518.2	412.8	325.1	251.2	211.8	181.3	172.4
30°	812.7	667.9	598.0	506.4	392.1	287.7	219.7	175.4	159.6	148.8	144.8
32.5°	683.7	571.4	496.5	387.2	275.8	195.1	157.6	139.9	134.0	127.1	125.1
35°	573.4	486.7	392.1	282.7	192.1	141.9	127.1	119.2	114.3	109.4	108.4
37.5°	480.7	403.9	300.5	200.0	136.9	114.3	108.4	101.5	98.5	94.6	94.6
40°	401.0	323.1	221.7	140.9	105.4	96.5	91.6	86.7	84.7	81.8	80.8
42.5°	334.0	249.2	156.6	104.4	85.7	79.8	76.8	72.9	70.9	68.0	67.0
45°	269.9	185.2	112.3	80.8	69.9	65.0	63.0	60.1	58.1	55.2	55.2
46°	246.3	163.5	99.5	74.9	64.0	60.1	58.1	55.2	54.2	51.2	50.2
47.5°	211.8	134.0	82.8	66.0	57.1	53.2	51.2	48.3	47.3	44.3	44.3
50°	158.6	96.5	64.0	54.2	47.3	44.3	42.4	40.4	39.4	37.4	36.5
52.5°	117.2	71.9	52.2	45.3	39.4	37.4	35.5	34.5	33.5	31.5	31.5
55°	87.7	56.2	44.3	38.4	34.5	32.5	31.5	30.5	29.6	28.6	28.6
57.5°	67.0	47.3	39.4	36.5	32.5	31.5	30.5	29.6	28.6	27.6	27.6
60°	55.2	43.3	37.4	35.5	33.5	32.5	31.5	30.5	30.5	29.6	29.6
62.5°	45.3	39.4	35.5	34.5	32.5	32.5	31.5	31.5	30.5	30.5	29.6
65°	38.4	35.5	33.5	32.5	31.5	31.5	30.5	30.5	29.6	28.6	28.6
67.5°	32.5	30.5	29.6	29.6	28.6	28.6	27.6	27.6	27.6	26.6	26.6
70°	27.6	26.6	26.6	26.6	26.6	25.6	25.6	24.6	24.6	23.6	23.6
72.5°	22.7	23.6	23.6	23.6	23.6	22.7	22.7	22.7	21.7	21.7	20.7
75°	18.7	19.7	19.7	19.7	19.7	19.7	19.7	18.7	18.7	18.7	18.7
77.5°	14.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.8	14.8
80°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
82.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	7.9	8.9
85°	6.9	6.9	6.9	6.9	5.9	5.9	5.9	5.9	4.9	4.9	4.9
87.5°	5.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.0	3.0	3.0
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°	1917.1	1917.1	1917.1	1917.1
2.5°	1693.5	1678.7	1697.4	1684.6
5°	1535.8	1517.1	1532.9	1517.1
7.5°	1402.8	1390.0	1393.0	1369.3
10°	1200.9	1185.1	1181.2	1151.6
12.5°	1008.8	997.0	994.0	969.4
15°	878.7	870.9	860.0	843.3
17.5°	715.2	699.5	681.7	660.0
20°	506.4	486.7	467.9	449.2
22.5°	323.1	305.4	290.6	278.8
25°	208.9	201.0	193.1	188.2
27.5°	163.5	158.6	157.6	155.7
30°	138.9	136.9	135.9	135.0
32.5°	121.2	118.2	118.2	117.2
35°	104.4	102.5	102.5	101.5
37.5°	91.6	89.6	88.7	87.7
40°	78.8	76.8	76.8	74.9
42.5°	65.0	64.0	64.0	62.1
45°	53.2	52.2	51.2	51.2
46°	49.3	47.3	47.3	47.3
47.5°	42.4	41.4	41.4	40.4
50°	35.5	34.5	34.5	33.5
52.5°	30.5	29.6	29.6	28.6
55°	26.6	26.6	25.6	25.6
57.5°	27.6	26.6	25.6	25.6
60°	28.6	27.6	27.6	26.6
62.5°	28.6	27.6	27.6	26.6
65°	27.6	27.6	26.6	25.6
67.5°	25.6	24.6	23.6	23.6
70°	22.7	21.7	21.7	20.7
72.5°	20.7	19.7	19.7	18.7
75°	17.7	16.7	16.7	15.8
77.5°	14.8	13.8	13.8	12.8
80°	11.8	10.8	10.8	10.8
82.5°	7.9	7.9	6.9	6.9
85°	4.9	3.9	3.9	3.9
87.5°	2.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)