

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: P208578

Luminaire Tested: **XTOR8BRL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P208578  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27507)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR8BRL  
Description: CROSSTOUR WALL MOUNT LED WITH REFRACTIVE LENS  
  
Light Source: EATON LED 5000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8634.9 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.67' x H: 0.17')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B2 - U4 - G3

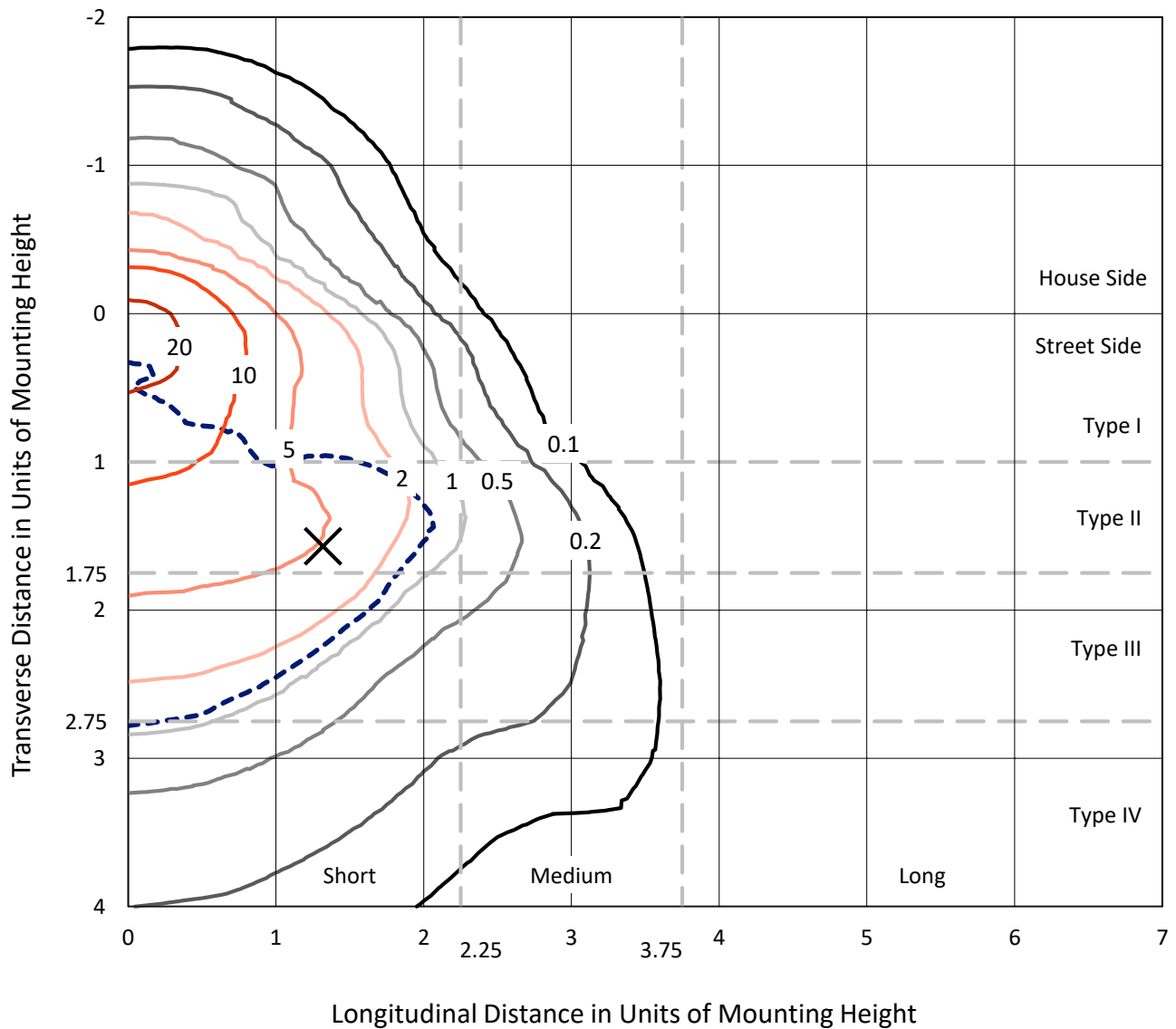
Input Watts (W): 81  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

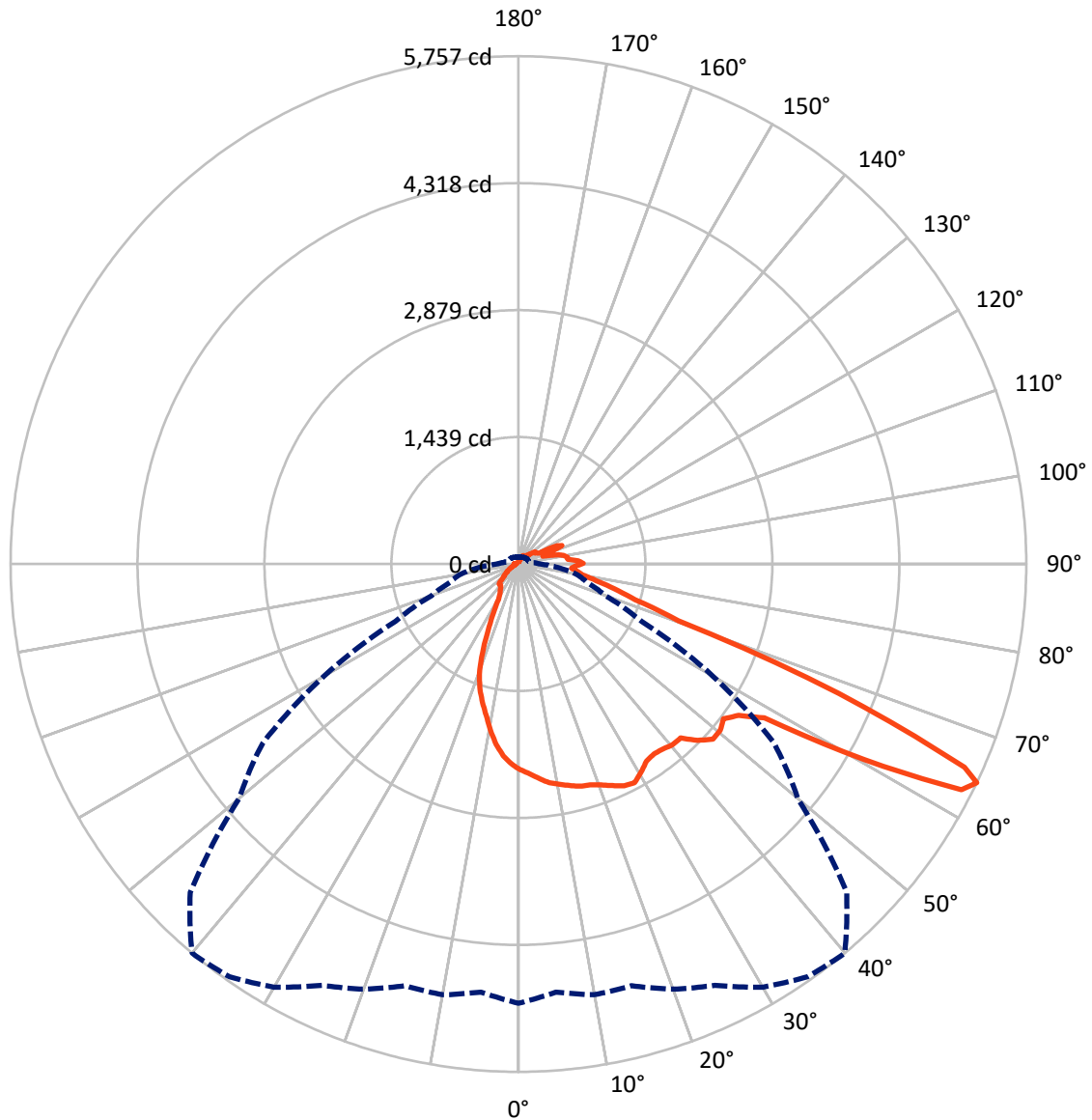
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.2 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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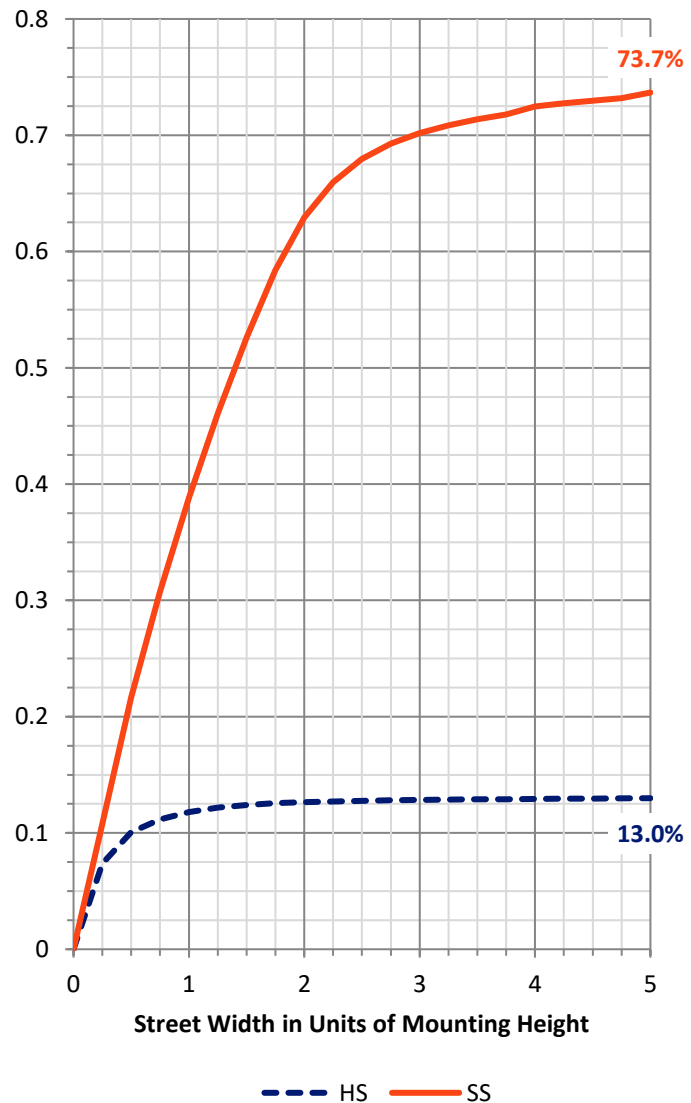
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1142.5	61.5	1204.0
	% Fixture	13.2	0.7	13.9
<b>Street Side</b>	Lumens	6599.4	831.5	7430.9
	% Fixture	76.4	9.6	86.1
<b>Total</b>	Lumens	7742.0	893.0	8634.9
	% Fixture	89.7	10.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.4	2.5
10°-20°	605.2	7.0
20°-30°	857.8	9.9
30°-40°	1023.1	11.8
40°-50°	1186.2	13.7
50°-60°	1350.3	15.6
60°-70°	1588.8	18.4
70°-80°	578.8	6.7
80°-90°	333.4	3.9
90°-100°	321.2	3.7
100°-110°	216.1	2.5
110°-120°	174.7	2.0
120°-130°	74.6	0.9
130°-140°	49.4	0.6
140°-150°	30.9	0.4
150°-160°	18.3	0.2
160°-170°	6.4	0.1
170°-180°	1.3	0.0
0°-90°	7742.0	89.7
0°-180°	8634.9	100.0

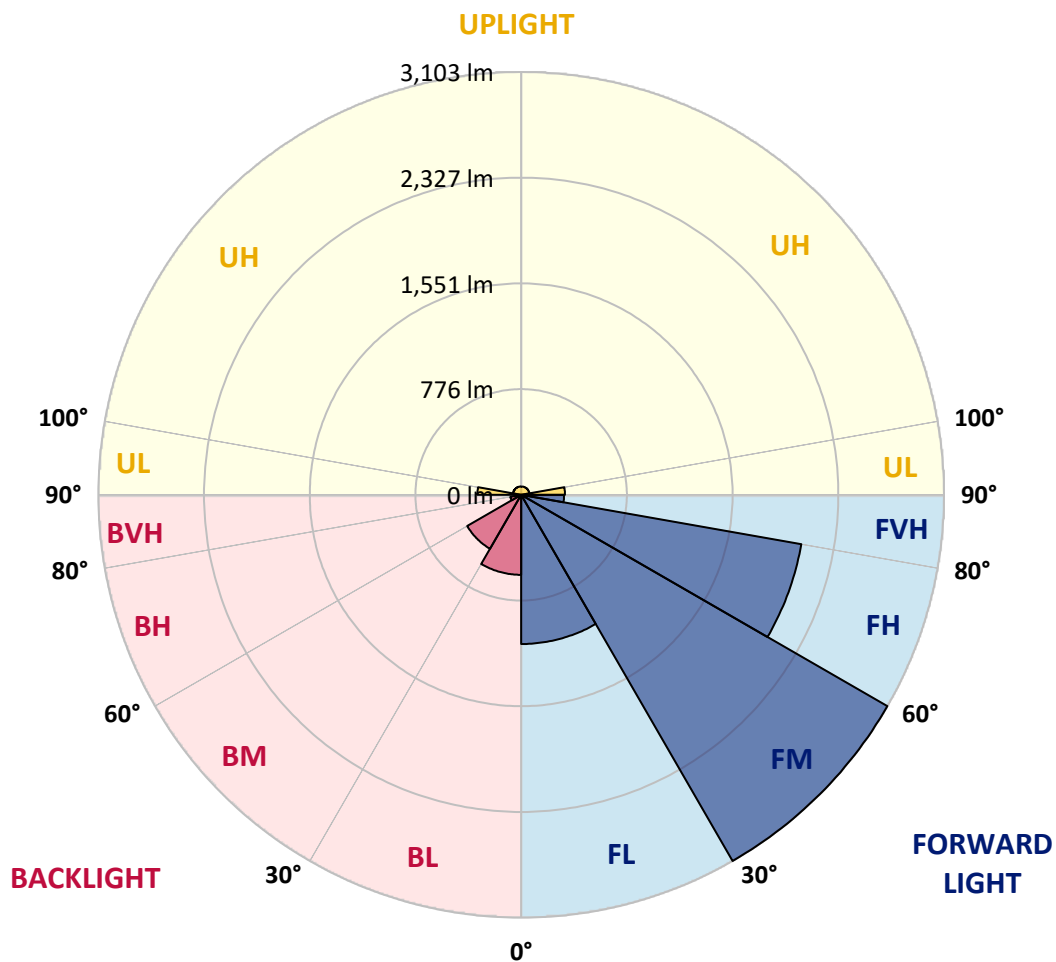


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1094.4	12.7			
FM	(30°-60°)	3102.5	35.9			
FH	(60°-80°)	2087.3	24.2			G2/5000
FVH	(80°-90°)	315.1	3.6			G3/500
BL	(0°-30°)	587.0	6.8	B2/1000		
BM	(30°-60°)	457.0	5.3	B1/1000		
BH	(60°-80°)	80.3	0.9	B0/110		G0/110
BVH	(80°-90°)	18.3	0.2			G1/100
UL	(90°-100°)	321.2	3.7		U3/500	
UH	(100°-180°)	61.5	0.7		U3/500	

**BUG Rating: B2-U4-G3**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1
2.5°	2431.1	2376.1	2385.1	2369.1	2417.1	2390.1	2417.1	2420.1	2380.1	2377.1	2384.1
5°	2517.1	2458.1	2470.1	2446.1	2493.1	2466.1	2495.1	2487.1	2441.1	2434.1	2441.1
7.5°	2596.1	2531.1	2547.1	2519.1	2565.1	2537.1	2563.1	2549.1	2504.1	2491.1	2490.1
10°	2657.1	2589.1	2605.1	2575.1	2618.1	2589.1	2607.1	2587.1	2539.1	2525.1	2523.1
12.5°	2696.1	2628.1	2643.1	2615.1	2660.1	2628.1	2644.1	2628.1	2577.1	2559.1	2554.1
15°	2764.1	2691.1	2701.1	2674.1	2714.1	2670.1	2681.1	2664.1	2614.1	2597.1	2591.1
17.5°	2859.1	2789.1	2805.1	2767.1	2801.1	2741.1	2731.1	2694.1	2632.1	2616.1	2607.1
20°	2945.1	2874.1	2899.1	2861.1	2895.1	2825.1	2803.1	2755.1	2674.1	2624.1	2604.1
22.5°	2947.1	2881.1	2919.1	2895.1	2950.1	2883.1	2874.1	2820.1	2728.1	2660.1	2613.1
25°	2877.1	2815.1	2854.1	2836.1	2902.1	2866.1	2895.1	2868.1	2786.1	2718.1	2649.1
27.5°	2889.1	2821.1	2850.1	2815.1	2848.1	2802.1	2828.1	2834.1	2807.1	2763.1	2691.1
30°	2937.1	2858.1	2885.1	2836.1	2857.1	2789.1	2790.1	2762.1	2738.1	2745.1	2720.1
32.5°	3015.1	2932.1	2950.1	2880.1	2901.1	2810.1	2788.1	2740.1	2665.1	2656.1	2688.1
35°	3020.1	2938.1	2957.1	2898.1	2923.1	2859.1	2830.1	2746.1	2644.1	2585.1	2595.1
37.5°	3083.1	3000.1	3002.1	2919.1	2927.1	2858.1	2845.1	2783.1	2661.1	2551.1	2509.1
40°	3227.1	3141.1	3141.1	3036.1	3026.1	2905.1	2850.1	2779.1	2692.1	2575.1	2471.1
42.5°	3449.1	3359.1	3392.1	3336.1	3321.1	3146.1	2995.1	2823.1	2696.1	2618.1	2484.1
45°	3419.1	3323.1	3350.1	3281.1	3282.1	3213.1	3226.1	3140.1	2851.1	2671.1	2575.1
47.5°	3491.1	3406.1	3435.1	3360.1	3374.1	3268.1	3179.1	3070.1	2967.1	2835.1	2573.1
50°	3550.2	3458.1	3497.1	3426.1	3461.1	3357.1	3303.1	3171.1	2964.1	2759.1	2595.1
52.5°	3818.2	3699.2	3716.2	3629.2	3612.2	3458.1	3318.1	3133.1	2913.1	2707.1	2544.1
55°	3681.2	3577.2	3610.2	3517.1	3512.1	3379.1	3290.1	3182.1	3029.1	2812.1	2659.1
57.5°	4122.2	4005.2	4036.2	3918.2	3898.2	3712.2	3574.2	3387.1	3287.1	3177.1	2985.1
60°	4759.2	4652.2	4739.2	4689.2	4790.2	4735.2	4805.2	4654.2	4502.2	4137.2	3644.2
62.5°	5006.2	4906.2	5029.2	5034.2	5230.2	5332.2	5581.2	5663.2	5637.2	5168.2	4134.2
64°	4979.2	4871.2	4958.2	4949.2	5129.2	5270.2	5539.2	5712.2	5757.2	5262.2	4133.2
65°	4866.2	4767.2	4864.2	4821.2	4954.2	5033.2	5246.2	5428.2	5558.2	4986.2	3990.2
67.5°	4098.2	3974.2	4080.2	3959.2	3998.2	3975.2	4010.2	3892.2	3917.2	3461.1	3225.1
70°	2947.1	2893.1	2859.1	2667.1	2532.1	2318.1	2083.1	1888.1	1923.1	1864.1	2190.1
72.5°	1990.1	1949.1	1930.1	1815.1	1735.1	1638.1	1531.1	1370.1	1382.1	1458.1	1600.1
75°	1541.1	1493.1	1486.1	1379.1	1294.1	1215.1	1126.0	1046.0	1122.0	1328.1	1371.1
77.5°	1196.1	1166.0	1151.0	1075.0	1025.0	948.0	871.0	822.0	898.0	1166.0	1113.0
80°	1091.0	1064.0	1058.0	1003.0	969.0	891.0	818.0	763.0	731.0	941.0	817.0
82.5°	1045.0	1022.0	1026.0	992.0	972.0	916.0	859.0	792.0	673.0	727.0	610.0
85°	1027.0	1007.0	1005.0	946.0	918.0	860.0	791.0	711.0	602.0	551.0	510.0
87.5°	1028.0	998.0	989.0	944.0	919.0	879.0	855.0	816.0	646.0	513.0	472.0
90°	1166.0	1138.0	1142.0	1119.0	1134.0	1093.0	1069.0	1024.0	736.0	525.0	504.0
92.5°	1275.1	1251.1	1257.1	1231.1	1216.1	1120.0	1067.0	985.0	681.0	516.0	613.0
95°	1057.0	1052.0	1062.0	1022.0	990.0	889.0	822.0	744.0	563.0	589.0	642.0
97.5°	859.0	830.0	824.0	780.0	739.0	659.0	614.0	634.0	560.0	585.0	620.0
100°	634.0	617.0	634.0	632.0	644.0	666.0	727.0	736.0	528.0	513.0	464.0
102.5°	551.0	549.0	580.0	614.0	686.0	778.0	839.0	721.0	468.0	381.0	355.0
105°	619.0	617.0	662.0	698.0	756.0	738.0	670.0	532.0	357.0	317.0	335.0
107.5°	705.0	694.0	707.0	682.0	644.0	577.0	504.0	404.0	289.0	291.0	345.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	690.0	692.0	678.0	649.0	602.0	572.0	533.0	461.0	352.0	281.0	348.0
112.5°	897.0	880.0	892.0	858.0	800.0	742.0	699.0	646.0	537.0	340.0	322.0
115°	759.0	746.0	745.0	725.0	707.0	676.0	619.0	566.0	476.0	308.0	253.0
117.5°	335.0	331.0	341.0	325.0	310.0	285.0	288.0	293.0	264.0	229.0	209.0
120°	239.0	237.0	238.0	234.0	232.0	230.0	230.0	227.0	245.0	225.0	201.0
122.5°	183.0	182.0	190.0	196.0	202.0	206.0	212.0	216.0	226.0	224.0	189.0
125°	189.0	187.0	193.0	193.0	201.0	199.0	210.0	224.0	238.0	214.0	166.0
127.5°	191.0	189.0	196.0	198.0	205.0	210.0	213.0	228.0	212.0	180.0	158.0
130°	203.0	198.0	200.0	200.0	209.0	208.0	208.0	186.0	175.0	168.0	143.0
132.5°	203.0	197.0	198.0	196.0	190.0	176.0	162.0	158.0	155.0	142.0	129.0
135°	170.0	162.0	160.0	156.0	151.0	141.0	136.0	133.0	134.0	130.0	122.0
137.5°	130.0	128.0	128.0	124.0	122.0	122.0	123.0	127.0	123.0	118.0	114.0
140°	114.0	112.0	114.0	114.0	111.0	109.0	113.0	117.0	116.0	106.0	105.0
142.5°	101.0	99.0	102.0	102.0	105.0	106.0	108.0	110.0	109.0	106.0	106.0
145°	97.0	96.0	99.0	97.0	98.0	97.0	102.0	111.0	114.0	103.0	93.0
147.5°	92.0	91.0	94.0	93.0	99.0	105.0	111.0	109.0	101.0	99.0	98.0
150°	123.0	121.0	123.0	122.0	117.0	113.0	112.0	112.0	111.0	104.0	93.0
152.5°	116.0	113.0	114.0	110.0	105.0	103.0	105.0	105.0	96.0	85.0	76.0
155°	102.0	98.0	99.0	95.0	90.0	85.0	82.0	78.0	73.0	64.0	54.0
157.5°	77.0	74.0	76.0	74.0	71.0	68.0	65.0	61.0	55.0	47.0	43.0
160°	65.0	61.0	61.0	59.0	59.0	54.0	52.0	48.0	43.0	38.0	38.0
162.5°	49.0	48.0	48.0	45.0	43.0	40.0	38.0	35.0	36.0	35.0	34.0
165°	32.0	30.0	31.0	29.0	29.0	30.0	32.0	33.0	31.0	31.0	36.0
167.5°	27.0	26.0	27.0	28.0	28.0	29.0	33.0	32.0	33.0	34.0	37.0
170°	30.0	29.0	30.0	30.0	31.0	32.0	32.0	35.0	36.0	35.0	33.0
172.5°	33.0	33.0	31.0	21.0	21.0	22.0	22.0	23.0	22.0	21.0	20.0
175°	7.0	7.0	8.0	8.0	8.0	8.0	9.0	10.0	10.0	10.0	11.0
177.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.0	8.0	7.0	9.0
180°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1
2.5°	2382.1	2382.1	2392.1	2357.1	2323.1	2369.1	2349.1	2327.1	2289.1	2294.1	2292.1
5°	2432.1	2428.1	2431.1	2391.1	2350.1	2392.1	2360.1	2329.1	2286.1	2284.1	2271.1
7.5°	2479.1	2466.1	2462.1	2419.1	2371.1	2403.1	2363.1	2323.1	2272.1	2262.1	2237.1
10°	2506.1	2487.1	2478.1	2431.1	2376.1	2402.1	2354.1	2303.1	2247.1	2225.1	2186.1
12.5°	2531.1	2506.1	2492.1	2444.1	2383.1	2396.1	2342.1	2286.1	2221.1	2190.1	2134.1
15°	2566.1	2534.1	2518.1	2469.1	2393.1	2402.1	2338.1	2270.1	2196.1	2153.1	2080.1
17.5°	2579.1	2547.1	2526.1	2473.1	2396.1	2394.1	2324.1	2244.1	2154.1	2095.1	2002.1
20°	2569.1	2540.1	2521.1	2469.1	2387.1	2374.1	2296.1	2206.1	2101.1	2022.1	1910.1
22.5°	2558.1	2523.1	2510.1	2455.1	2371.1	2352.1	2263.1	2158.1	2042.1	1940.1	1806.1
25°	2563.1	2506.1	2492.1	2445.1	2355.1	2330.1	2229.1	2110.1	1975.1	1853.1	1696.1
27.5°	2591.1	2503.1	2470.1	2429.1	2339.1	2311.1	2197.1	2059.1	1904.1	1757.1	1580.1
30°	2613.1	2510.1	2443.1	2399.1	2311.1	2277.1	2152.1	1994.1	1810.1	1647.1	1473.1
32.5°	2623.1	2514.1	2424.1	2361.1	2277.1	2234.1	2097.1	1920.1	1716.1	1534.1	1367.1
35°	2595.1	2519.1	2413.1	2324.1	2239.1	2190.1	2038.1	1836.1	1609.1	1419.1	1243.1
37.5°	2505.1	2504.1	2399.1	2294.1	2190.1	2141.1	1973.1	1747.1	1495.1	1296.1	1098.0
40°	2405.1	2439.1	2387.1	2265.1	2144.1	2095.1	1908.1	1651.1	1376.1	1151.0	909.0
42.5°	2362.1	2338.1	2359.1	2239.1	2104.1	2046.1	1830.1	1543.1	1248.1	992.0	714.0
45°	2362.1	2254.1	2288.1	2218.1	2057.1	1991.1	1741.1	1423.1	1116.0	838.0	546.0
47.5°	2378.1	2175.1	2157.1	2190.1	2007.1	1919.1	1647.1	1300.1	980.0	661.0	414.0
50°	2389.1	2120.1	2018.1	2114.1	1940.1	1807.1	1521.1	1167.0	820.0	500.0	320.0
52.5°	2306.1	2192.1	1936.1	1982.1	1849.1	1682.1	1383.1	1012.0	638.0	372.0	270.0
55°	2432.1	2145.1	1950.1	1824.1	1744.1	1524.1	1224.1	838.0	469.0	285.0	240.0
57.5°	2621.1	2247.1	1907.1	1637.1	1557.1	1342.1	1053.0	645.0	331.0	239.0	206.0
60°	2959.1	2377.1	1776.1	1395.1	1267.1	1114.0	841.0	455.0	243.0	204.0	169.0
62.5°	3425.1	2472.1	1624.1	1182.1	975.0	840.0	588.0	301.0	198.0	166.0	140.0
64°	3538.2	2549.1	1540.1	1049.0	806.0	671.0	443.0	244.0	176.0	143.0	122.0
65°	3499.1	2580.1	1495.1	961.0	694.0	562.0	364.0	220.0	162.0	132.0	113.0
67.5°	3137.1	2479.1	1433.1	781.0	464.0	342.0	243.0	174.0	134.0	111.0	95.0
70°	2420.1	2146.1	1356.1	609.0	325.0	249.0	183.0	141.0	110.0	93.0	80.0
72.5°	1687.1	1589.1	1028.0	481.0	243.0	186.0	145.0	115.0	92.0	79.0	69.0
75°	1197.1	920.0	657.0	365.0	190.0	148.0	122.0	95.0	78.0	68.0	59.0
77.5°	878.0	579.0	329.0	247.0	155.0	131.0	106.0	82.0	66.0	58.0	51.0
80°	615.0	428.0	245.0	159.0	125.0	118.0	95.0	71.0	57.0	51.0	45.0
82.5°	481.0	354.0	213.0	133.0	102.0	101.0	84.0	61.0	51.0	45.0	40.0
85°	420.0	308.0	198.0	118.0	87.0	85.0	73.0	54.0	46.0	41.0	36.0
87.5°	421.0	294.0	197.0	118.0	83.0	75.0	65.0	49.0	42.0	37.0	33.0
90°	487.0	338.0	212.0	117.0	79.0	67.0	58.0	44.0	38.0	33.0	30.0
92.5°	563.0	387.0	192.0	116.0	78.0	64.0	55.0	41.0	36.0	32.0	29.0
95°	563.0	318.0	176.0	121.0	81.0	63.0	51.0	39.0	33.0	31.0	28.0
97.5°	437.0	255.0	190.0	143.0	88.0	68.0	52.0	37.0	31.0	29.0	27.0
100°	338.0	218.0	213.0	171.0	100.0	66.0	47.0	35.0	30.0	29.0	27.0
102.5°	301.0	202.0	182.0	160.0	92.0	60.0	44.0	34.0	30.0	28.0	26.0
105°	300.0	196.0	139.0	119.0	76.0	55.0	41.0	33.0	29.0	27.0	26.0
107.5°	317.0	212.0	128.0	98.0	70.0	54.0	41.0	31.0	28.0	26.0	28.0



REPORT NUMBER: P208578  
 CATALOG NUMBER: XTOR8BRL

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
110°	318.0	230.0	136.0	90.0	63.0	54.0	43.0	30.0	27.0	27.0	35.0
112.5°	308.0	236.0	152.0	86.0	61.0	53.0	44.0	30.0	26.0	28.0	34.0
115°	253.0	223.0	156.0	95.0	63.0	50.0	42.0	30.0	27.0	27.0	27.0
117.5°	208.0	182.0	138.0	94.0	56.0	42.0	35.0	27.0	25.0	24.0	24.0
120°	171.0	129.0	102.0	78.0	51.0	36.0	30.0	25.0	23.0	23.0	22.0
122.5°	139.0	112.0	91.0	67.0	45.0	33.0	29.0	25.0	23.0	23.0	22.0
125°	133.0	111.0	91.0	65.0	44.0	33.0	30.0	26.0	23.0	23.0	23.0
127.5°	124.0	97.0	77.0	63.0	45.0	32.0	30.0	26.0	24.0	23.0	24.0
130°	112.0	89.0	73.0	59.0	42.0	34.0	30.0	27.0	25.0	25.0	26.0
132.5°	105.0	84.0	69.0	56.0	42.0	36.0	32.0	28.0	26.0	26.0	25.0
135°	104.0	79.0	64.0	51.0	40.0	34.0	30.0	26.0	25.0	24.0	23.0
137.5°	107.0	90.0	64.0	51.0	44.0	36.0	29.0	25.0	24.0	23.0	22.0
140°	102.0	84.0	68.0	51.0	47.0	39.0	29.0	25.0	23.0	23.0	22.0
142.5°	90.0	78.0	64.0	49.0	48.0	41.0	29.0	25.0	23.0	22.0	21.0
145°	86.0	74.0	62.0	53.0	50.0	42.0	30.0	24.0	22.0	21.0	20.0
147.5°	88.0	77.0	63.0	49.0	50.0	39.0	28.0	23.0	21.0	21.0	20.0
150°	78.0	66.0	55.0	43.0	49.0	37.0	26.0	22.0	21.0	21.0	20.0
152.5°	60.0	52.0	45.0	44.0	46.0	35.0	26.0	23.0	21.0	21.0	19.0
155°	46.0	43.0	40.0	46.0	43.0	34.0	26.0	23.0	21.0	20.0	19.0
157.5°	41.0	38.0	42.0	48.0	40.0	32.0	25.0	22.0	20.0	19.0	17.0
160°	35.0	39.0	44.0	45.0	37.0	30.0	23.0	21.0	19.0	18.0	16.0
162.5°	36.0	41.0	43.0	42.0	31.0	26.0	21.0	19.0	18.0	17.0	15.0
165°	40.0	42.0	40.0	36.0	27.0	22.0	20.0	18.0	17.0	16.0	15.0
167.5°	37.0	37.0	37.0	31.0	25.0	21.0	19.0	17.0	16.0	15.0	14.0
170°	27.0	22.0	20.0	18.0	17.0	16.0	16.0	15.0	15.0	14.0	13.0
172.5°	20.0	18.0	17.0	16.0	15.0	15.0	15.0	14.0	14.0	14.0	13.0
175°	11.0	11.0	12.0	12.0	12.0	13.0	13.0	12.0	12.0	12.0	11.0
177.5°	9.0	10.0	11.0	11.0	11.0	12.0	12.0	11.0	12.0	11.0	11.0
180°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0



REPORT NUMBER: P208578  
 CATALOG NUMBER: XTOR8BRL

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1
2.5°	2293.1	2274.1	2258.1	2286.1	2276.1	2241.1	2268.1	2237.1	2252.1	2261.1	2224.1
5°	2263.1	2237.1	2209.1	2224.1	2207.1	2168.1	2180.1	2142.1	2149.1	2151.1	2109.1
7.5°	2213.1	2180.1	2140.1	2144.1	2110.1	2059.1	2061.1	2010.1	2005.1	1998.1	1949.1
10°	2152.1	2106.1	2052.1	2035.1	1990.1	1928.1	1912.1	1850.1	1832.1	1812.1	1759.1
12.5°	2088.1	2027.1	1956.1	1921.1	1857.1	1788.1	1753.1	1689.1	1667.1	1647.1	1601.1
15°	2016.1	1937.1	1846.1	1787.1	1716.1	1652.1	1622.1	1558.1	1535.1	1509.1	1464.1
17.5°	1923.1	1819.1	1708.1	1652.1	1590.1	1527.1	1488.1	1414.1	1376.1	1333.1	1266.1
20°	1808.1	1686.1	1584.1	1529.1	1464.1	1388.1	1324.1	1227.1	1131.0	1049.0	965.0
22.5°	1685.1	1571.1	1474.1	1404.1	1313.1	1208.1	1089.0	956.0	856.0	783.0	721.0
25°	1570.1	1464.1	1345.1	1251.1	1118.0	965.0	832.0	715.0	623.0	572.0	505.0
27.5°	1462.1	1343.1	1196.1	1050.0	876.0	730.0	615.0	521.0	461.0	421.0	394.0
30°	1344.1	1201.1	1002.0	818.0	659.0	541.0	460.0	405.0	383.0	373.0	361.0
32.5°	1206.1	1007.0	788.0	615.0	499.0	422.0	388.0	370.0	360.0	355.0	357.0
35°	1046.0	810.0	595.0	467.0	403.0	376.0	364.0	346.0	343.0	355.0	380.0
37.5°	852.0	623.0	459.0	390.0	370.0	352.0	332.0	328.0	356.0	375.0	343.0
40°	646.0	473.0	381.0	356.0	342.0	318.0	316.0	337.0	349.0	300.0	273.0
42.5°	474.0	376.0	339.0	326.0	302.0	297.0	313.0	326.0	279.0	259.0	246.0
45°	370.0	318.0	302.0	287.0	276.0	283.0	313.0	261.0	244.0	229.0	219.0
47.5°	310.0	288.0	259.0	252.0	263.0	295.0	255.0	223.0	217.0	219.0	214.0
50°	277.0	253.0	225.0	224.0	254.0	257.0	214.0	205.0	207.0	201.0	190.0
52.5°	246.0	219.0	198.0	201.0	244.0	205.0	197.0	178.0	179.0	187.0	188.0
55°	211.0	188.0	175.0	175.0	194.0	181.0	159.0	161.0	159.0	159.0	153.0
57.5°	177.0	163.0	156.0	164.0	163.0	147.0	149.0	136.0	129.0	145.0	139.0
60°	151.0	142.0	139.0	153.0	137.0	128.0	121.0	121.0	115.0	112.0	105.0
62.5°	128.0	123.0	127.0	122.0	117.0	108.0	109.0	102.0	97.0	94.0	92.0
64°	117.0	114.0	115.0	109.0	103.0	100.0	96.0	94.0	91.0	87.0	83.0
65°	109.0	108.0	108.0	103.0	95.0	93.0	90.0	89.0	86.0	86.0	82.0
67.5°	91.0	92.0	92.0	87.0	80.0	77.0	75.0	77.0	76.0	74.0	71.0
70°	76.0	78.0	77.0	74.0	70.0	66.0	63.0	65.0	64.0	66.0	61.0
72.5°	65.0	63.0	65.0	63.0	61.0	59.0	55.0	56.0	58.0	60.0	53.0
75°	55.0	53.0	57.0	56.0	55.0	52.0	49.0	50.0	52.0	52.0	45.0
77.5°	48.0	47.0	50.0	51.0	50.0	46.0	42.0	45.0	47.0	43.0	38.0
80°	43.0	42.0	43.0	47.0	44.0	40.0	38.0	42.0	42.0	36.0	32.0
82.5°	39.0	38.0	38.0	45.0	40.0	35.0	37.0	39.0	37.0	31.0	27.0
85°	35.0	34.0	37.0	46.0	37.0	33.0	34.0	36.0	32.0	25.0	22.0
87.5°	32.0	32.0	39.0	52.0	36.0	30.0	36.0	39.0	28.0	21.0	18.0
90°	29.0	30.0	43.0	58.0	31.0	27.0	43.0	45.0	26.0	17.0	14.0
92.5°	28.0	29.0	41.0	50.0	30.0	30.0	49.0	46.0	25.0	17.0	14.0
95°	28.0	29.0	36.0	39.0	30.0	32.0	46.0	40.0	24.0	18.0	15.0
97.5°	27.0	29.0	34.0	34.0	31.0	32.0	36.0	32.0	22.0	19.0	16.0
100°	27.0	29.0	33.0	32.0	31.0	31.0	31.0	28.0	22.0	20.0	16.0
102.5°	27.0	31.0	31.0	30.0	30.0	30.0	29.0	27.0	23.0	21.0	17.0
105°	28.0	32.0	28.0	27.0	28.0	27.0	26.0	25.0	23.0	20.0	17.0
107.5°	32.0	29.0	25.0	26.0	26.0	25.0	24.0	22.0	22.0	19.0	15.0

REPORT NUMBER: P208578  
 CATALOG NUMBER: XTOR8BRL

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
110°	33.0	25.0	24.0	25.0	26.0	24.0	22.0	21.0	21.0	17.0	14.0	0°
112.5°	27.0	23.0	23.0	25.0	25.0	23.0	20.0	20.0	19.0	15.0	13.0	2.5°
115°	25.0	23.0	23.0	26.0	26.0	22.0	19.0	19.0	18.0	15.0	12.0	5°
117.5°	24.0	23.0	24.0	27.0	25.0	20.0	19.0	18.0	17.0	15.0	12.0	7.5°
120°	23.0	24.0	26.0	27.0	23.0	19.0	18.0	17.0	16.0	14.0	12.0	10°
122.5°	24.0	27.0	30.0	27.0	22.0	19.0	18.0	17.0	16.0	13.0	12.0	12.5°
125°	26.0	31.0	31.0	25.0	21.0	19.0	17.0	17.0	15.0	13.0	11.0	15°
127.5°	28.0	30.0	27.0	23.0	20.0	18.0	17.0	16.0	15.0	12.0	11.0	17.5°
130°	27.0	27.0	24.0	22.0	20.0	18.0	16.0	15.0	14.0	12.0	10.0	20°
132.5°	25.0	24.0	22.0	22.0	20.0	18.0	16.0	15.0	13.0	11.0	10.0	22.5°
135°	23.0	22.0	21.0	21.0	19.0	17.0	16.0	15.0	13.0	11.0	9.0	25°
137.5°	22.0	21.0	20.0	20.0	18.0	16.0	15.0	14.0	13.0	11.0	10.0	27.5°
140°	22.0	21.0	19.0	18.0	17.0	15.0	14.0	13.0	12.0	11.0	10.0	30°
142.5°	21.0	20.0	18.0	18.0	16.0	15.0	14.0	13.0	12.0	10.0	9.0	32.5°
145°	20.0	19.0	18.0	17.0	16.0	14.0	13.0	12.0	11.0	10.0	9.0	35°
147.5°	19.0	18.0	17.0	16.0	15.0	13.0	12.0	12.0	11.0	10.0	9.0	37.5°
150°	19.0	18.0	16.0	16.0	14.0	13.0	12.0	11.0	11.0	10.0	9.0	40°
152.5°	18.0	17.0	16.0	15.0	14.0	12.0	11.0	11.0	10.0	9.0	9.0	42.5°
155°	18.0	16.0	15.0	14.0	13.0	11.0	11.0	10.0	10.0	9.0	8.0	45°
157.5°	17.0	16.0	14.0	13.0	12.0	11.0	10.0	10.0	9.0	9.0	8.0	47.5°
160°	16.0	15.0	13.0	13.0	11.0	10.0	10.0	10.0	9.0	8.0	7.0	50°
162.5°	15.0	14.0	13.0	13.0	11.0	10.0	10.0	9.0	9.0	8.0	7.0	52.5°
165°	15.0	14.0	13.0	12.0	11.0	10.0	9.0	9.0	8.0	8.0	7.0	55°
167.5°	13.0	13.0	12.0	12.0	10.0	9.0	9.0	8.0	8.0	7.0	7.0	57.5°
170°	13.0	13.0	12.0	11.0	10.0	9.0	8.0	8.0	8.0	7.0	7.0	60°
172.5°	13.0	12.0	11.0	10.0	9.0	8.0	8.0	8.0	7.0	7.0	6.0	62.5°
175°	11.0	11.0	10.0	10.0	9.0	8.0	7.0	7.0	7.0	6.0	6.0	64°
177.5°	11.0	11.0	10.0	9.0	8.0	7.0	7.0	7.0	6.0	6.0	5.0	65°
180°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

NUMBER: P208578  
 NUMBER: XTOR8BRL

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

165°	170°	175°	180°
2331.1	2331.1	2331.1	2331.1
2236.1	2228.1	2223.1	2182.1
2121.1	2108.1	2102.1	2067.1
1956.1	1937.1	1933.1	1904.1
1762.1	1736.1	1735.1	1709.1
1605.1	1581.1	1587.1	1556.1
1453.1	1425.1	1430.1	1411.1
1228.1	1187.1	1192.1	1163.0
922.0	885.0	886.0	863.0
680.0	638.0	639.0	622.0
475.0	452.0	447.0	435.0
381.0	376.0	375.0	368.0
360.0	357.0	359.0	355.0
366.0	381.0	392.0	394.0
395.0	385.0	380.0	366.0
314.0	297.0	285.0	275.0
262.0	254.0	251.0	245.0
236.0	228.0	228.0	224.0
220.0	218.0	215.0	211.0
216.0	207.0	201.0	196.0
198.0	191.0	191.0	188.0
180.0	171.0	164.0	160.0
154.0	150.0	147.0	144.0
130.0	121.0	114.0	111.0
102.0	95.0	91.0	88.0
87.0	83.0	80.0	79.0
83.0	79.0	77.0	75.0
78.0	74.0	69.0	68.0
67.0	63.0	61.0	60.0
58.0	54.0	53.0	52.0
51.0	48.0	47.0	47.0
43.0	40.0	39.0	39.0
36.0	34.0	32.0	31.0
30.0	28.0	27.0	26.0
25.0	23.0	22.0	22.0
19.0	18.0	16.0	16.0
16.0	14.0	12.0	12.0
12.0	11.0	10.0	9.0
13.0	11.0	10.0	10.0
13.0	12.0	11.0	10.0
14.0	12.0	10.0	10.0
14.0	12.0	10.0	10.0
14.0	11.0	9.0	9.0
14.0	11.0	9.0	9.0
14.0	11.0	9.0	9.0

**CANDELA DISTRIBUTION:**

	165°
110°	12.0
112.5°	11.0
115°	11.0
117.5°	12.0
120°	11.0
122.5°	11.0
125°	11.0
127.5°	10.0
130°	9.0
132.5°	9.0
135°	9.0
137.5°	9.0
140°	9.0
142.5°	9.0
145°	9.0
147.5°	8.0
150°	8.0
152.5°	8.0
155°	8.0
157.5°	8.0
160°	7.0
162.5°	7.0
165°	7.0
167.5°	7.0
170°	7.0
172.5°	6.0
175°	6.0
177.5°	5.0
180°	8.0



'208578  
XTOR8BRL

**TION (continued):**

170°	175°	180°
10.0	9.0	9.0
9.0	8.0	9.0
9.0	9.0	9.0
10.0	9.0	9.0
9.0	9.0	9.0
9.0	9.0	9.0
9.0	9.0	10.0
9.0	9.0	9.0
8.0	9.0	9.0
8.0	9.0	9.0
8.0	9.0	8.0
8.0	8.0	9.0
8.0	8.0	8.0
8.0	8.0	8.0
8.0	8.0	8.0
8.0	8.0	8.0
8.0	8.0	8.0
8.0	8.0	8.0
8.0	8.0	8.0
8.0	8.0	8.0
7.0	7.0	8.0
7.0	7.0	7.0
7.0	7.0	7.0
7.0	6.0	7.0
6.0	6.0	6.0
6.0	6.0	6.0
6.0	6.0	6.0
5.0	5.0	5.0
8.0	8.0	8.0

(END OF REPORT)