

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: P218821

Luminaire Tested: **XTOR8BRL-Y**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218821  
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-Y  
Description: CROSSTOUR WALL MOUNT LED WITH REFRACTIVE LENS  
  
Light Source: EATON LED 3000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8079 lumens  
Efficiency: N/A  
Efficacy: 99.7 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

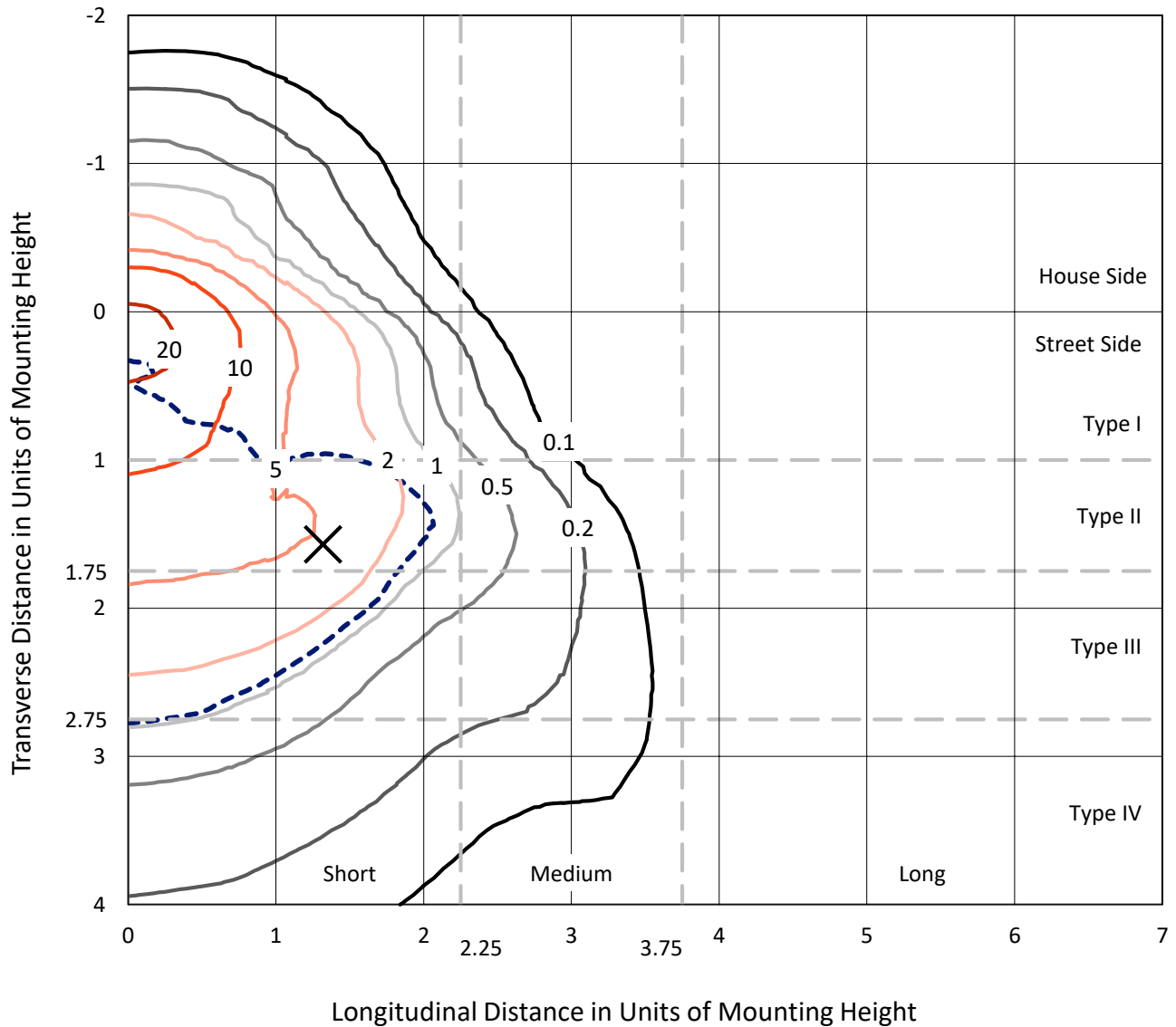
Input Watts (W): 81  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

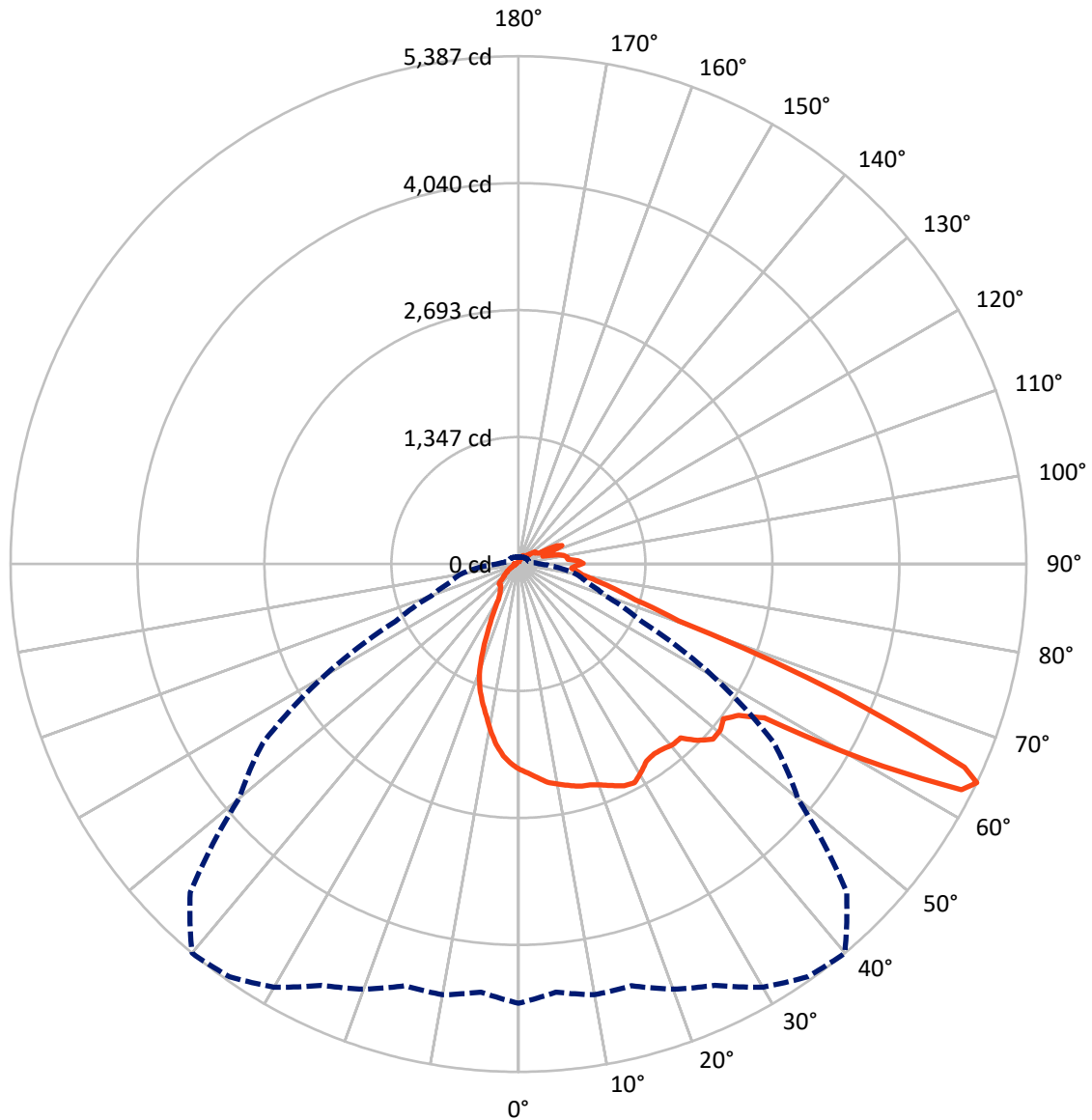
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.6 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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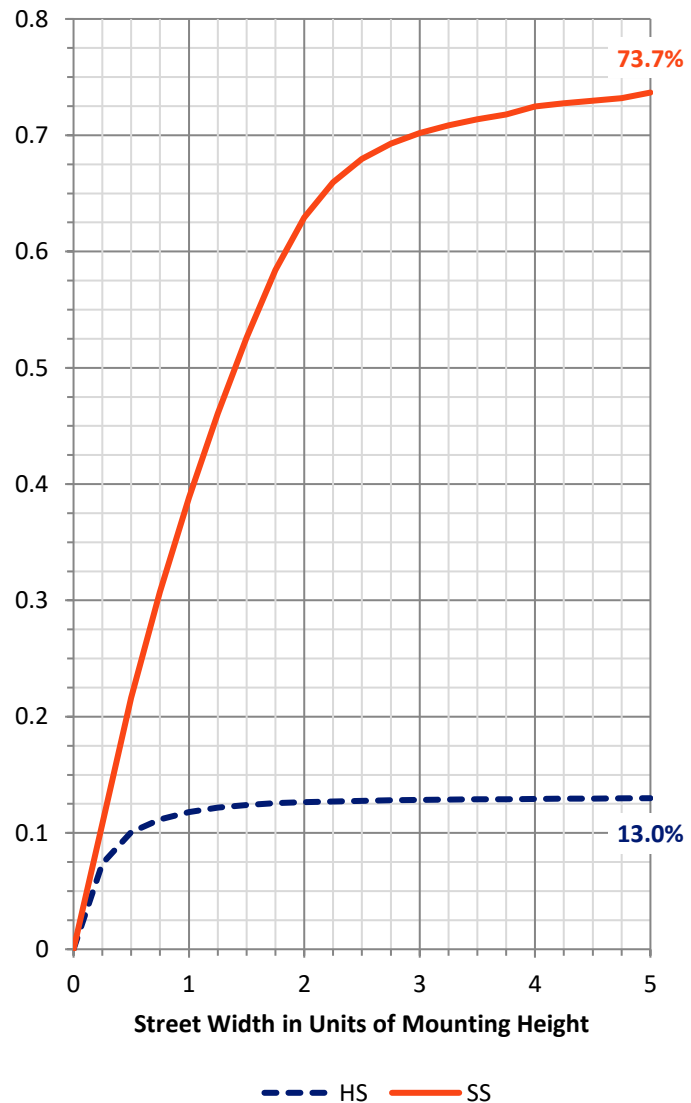
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1069.0	57.5	1126.5
	% Fixture	13.2	0.7	13.9
<b>Street Side</b>	Lumens	6174.5	778.0	6952.5
	% Fixture	76.4	9.6	86.1
<b>Total</b>	Lumens	7243.5	835.5	8079.0
	% Fixture	89.7	10.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.4	2.5
10°-20°	566.3	7.0
20°-30°	802.5	9.9
30°-40°	957.2	11.8
40°-50°	1109.8	13.7
50°-60°	1263.3	15.6
60°-70°	1486.5	18.4
70°-80°	541.5	6.7
80°-90°	312.0	3.9
90°-100°	300.5	3.7
100°-110°	202.2	2.5
110°-120°	163.5	2.0
120°-130°	69.8	0.9
130°-140°	46.2	0.6
140°-150°	28.9	0.4
150°-160°	17.2	0.2
160°-170°	6.0	0.1
170°-180°	1.2	0.0
0°-90°	7243.5	89.7
0°-180°	8079.0	100.0



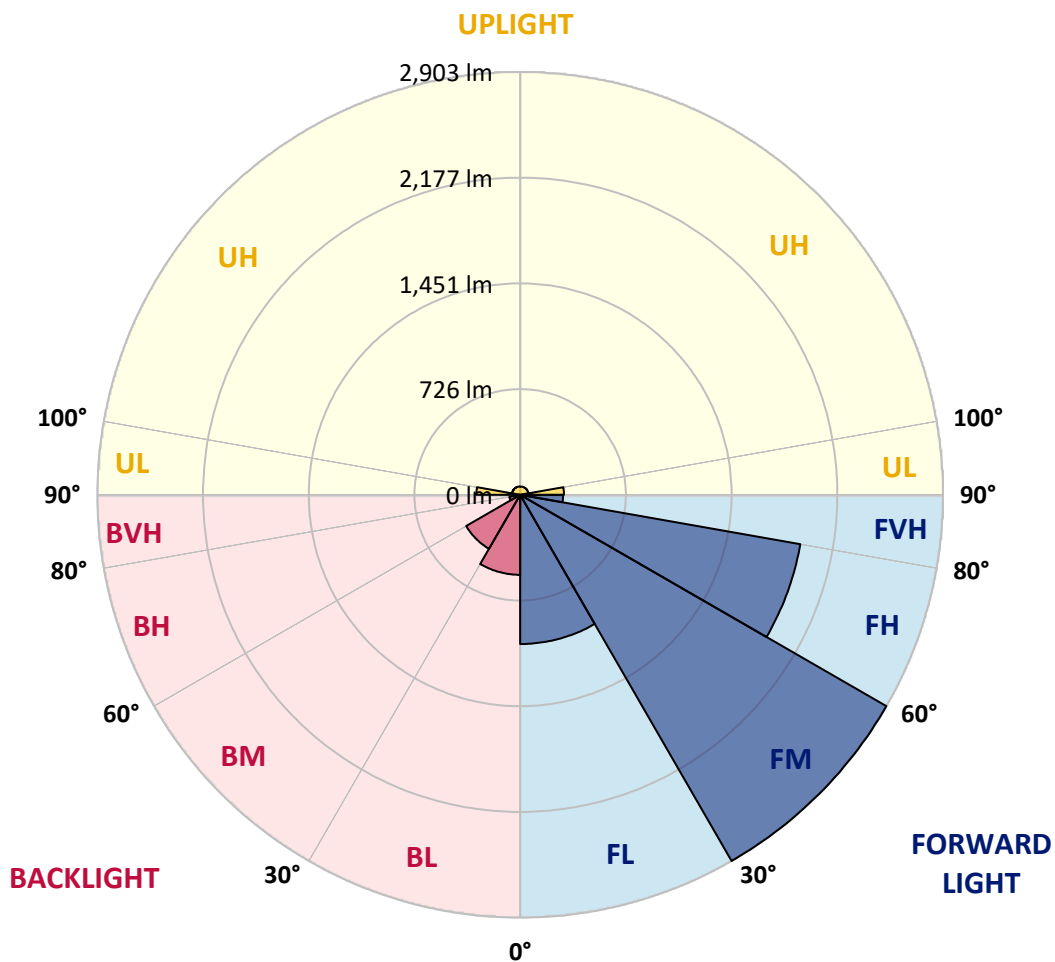
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1023.9	12.7			
FM	(30°-60°)	2902.8	35.9			
FH	(60°-80°)	1952.9	24.2			G2/5000
FVH	(80°-90°)	294.9	3.6			G3/500
BL	(0°-30°)	549.2	6.8	B2/1000		
BM	(30°-60°)	427.6	5.3	B1/1000		
BH	(60°-80°)	75.1	0.9	B0/110		G0/110
BVH	(80°-90°)	17.1	0.2			G1/100
UL	(90°-100°)	300.5	3.7		U3/500	
UH	(100°-180°)	57.5	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°	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0
2.5°	2274.6	2223.1	2231.5	2216.6	2261.5	2236.2	2261.5	2264.3	2226.8	2224.0	2230.6
5°	2355.0	2299.8	2311.1	2288.6	2332.6	2307.3	2334.4	2327.0	2283.9	2277.4	2283.9
7.5°	2428.9	2368.1	2383.1	2356.9	2399.9	2373.7	2398.1	2385.0	2342.9	2330.7	2329.8
10°	2486.0	2422.4	2437.4	2409.3	2449.5	2422.4	2439.2	2420.5	2375.6	2362.5	2360.6
12.5°	2522.5	2458.9	2472.9	2446.7	2488.8	2458.9	2473.9	2458.9	2411.2	2394.3	2389.7
15°	2586.1	2517.8	2527.2	2501.9	2539.4	2498.2	2508.5	2492.6	2445.8	2429.9	2424.3
17.5°	2675.0	2609.5	2624.5	2588.9	2620.8	2564.6	2555.3	2520.6	2462.6	2447.7	2439.2
20°	2755.5	2689.1	2712.5	2676.9	2708.7	2643.2	2622.6	2577.7	2501.9	2455.1	2436.4
22.5°	2757.4	2695.6	2731.2	2708.7	2760.2	2697.5	2689.1	2638.5	2552.5	2488.8	2444.9
25°	2691.9	2633.9	2670.3	2653.5	2715.3	2681.6	2708.7	2683.4	2606.7	2543.1	2478.5
27.5°	2703.1	2639.5	2666.6	2633.9	2664.7	2621.7	2646.0	2651.6	2626.4	2585.2	2517.8
30°	2748.0	2674.1	2699.4	2653.5	2673.2	2609.5	2610.5	2584.3	2561.8	2568.4	2545.0
32.5°	2821.0	2743.3	2760.2	2694.7	2714.3	2629.2	2608.6	2563.7	2493.5	2485.1	2515.0
35°	2825.7	2748.9	2766.7	2711.5	2734.9	2675.0	2647.9	2569.3	2473.9	2418.7	2428.0
37.5°	2884.6	2807.0	2808.8	2731.2	2738.6	2674.1	2661.9	2603.9	2489.8	2386.8	2347.5
40°	3019.3	2938.9	2938.9	2840.6	2831.3	2718.1	2666.6	2600.2	2518.8	2409.3	2312.0
42.5°	3227.1	3142.9	3173.7	3121.3	3107.3	2943.6	2802.3	2641.3	2522.5	2449.5	2324.2
45°	3199.0	3109.2	3134.4	3069.9	3070.8	3006.2	3018.4	2937.9	2667.5	2499.1	2409.3
47.5°	3266.4	3186.8	3214.0	3143.8	3156.9	3057.7	2974.4	2872.4	2776.1	2652.6	2407.4
50°	3321.6	3235.5	3272.0	3205.5	3238.3	3141.0	3090.5	2966.9	2773.3	2581.5	2428.0
52.5°	3572.3	3461.0	3476.9	3395.5	3379.6	3235.5	3104.5	2931.4	2725.6	2532.8	2380.3
55°	3444.1	3346.8	3377.7	3290.7	3286.0	3161.6	3078.3	2977.2	2834.1	2631.0	2487.9
57.5°	3856.8	3747.3	3776.3	3665.9	3647.2	3473.1	3344.0	3169.0	3075.5	2972.6	2792.9
60°	4452.8	4352.6	4434.0	4387.3	4481.8	4430.3	4495.8	4354.5	4212.3	3870.8	3409.5
62.5°	4683.9	4590.3	4705.4	4710.1	4893.5	4988.9	5221.9	5298.6	5274.3	4835.4	3868.0
64°	4658.6	4557.6	4639.0	4630.5	4799.0	4930.9	5182.6	5344.4	5386.5	4923.4	3867.0
65°	4552.9	4460.2	4551.0	4510.8	4635.2	4709.1	4908.4	5078.7	5200.3	4665.2	3733.2
67.5°	3834.3	3718.3	3817.5	3704.2	3740.7	3719.2	3752.0	3641.6	3664.9	3238.3	3017.5
70°	2757.4	2706.8	2675.0	2495.4	2369.1	2168.8	1949.0	1766.5	1799.3	1744.1	2049.1
72.5°	1861.9	1823.6	1805.8	1698.2	1623.4	1532.6	1432.5	1281.8	1293.1	1364.2	1497.0
75°	1441.8	1396.9	1390.4	1290.3	1210.7	1136.8	1053.5	978.7	1049.8	1242.5	1282.8
77.5°	1119.0	1091.0	1076.9	1005.8	959.0	887.0	815.0	769.1	840.2	1091.0	1041.4
80°	1020.8	995.5	989.9	938.5	906.6	833.7	765.4	713.9	684.0	880.4	764.4
82.5°	977.8	956.2	960.0	928.2	909.5	857.1	803.7	741.0	629.7	680.2	570.7
85°	960.9	942.2	940.3	885.1	858.9	804.7	740.1	665.2	563.3	515.5	477.2
87.5°	961.8	933.8	925.4	883.3	859.9	822.4	800.0	763.5	604.4	480.0	441.6
90°	1091.0	1064.8	1068.5	1047.0	1061.0	1022.7	1000.2	958.1	688.6	491.2	471.6
92.5°	1193.0	1170.5	1176.1	1151.8	1137.8	1047.9	998.3	921.6	637.2	482.8	573.6
95°	989.0	984.3	993.7	956.2	926.3	831.8	769.1	696.1	526.8	551.1	600.7
97.5°	803.7	776.6	771.0	729.8	691.4	616.6	574.5	593.2	524.0	547.4	580.1
100°	593.2	577.3	593.2	591.3	602.6	623.1	680.2	688.6	494.0	480.0	434.1
102.5°	515.5	513.7	542.7	574.5	641.9	727.9	785.0	674.6	437.9	356.5	332.2
105°	579.2	577.3	619.4	653.1	707.4	690.5	626.9	497.8	334.0	296.6	313.4
107.5°	659.6	649.3	661.5	638.1	602.6	539.9	471.6	378.0	270.4	272.3	322.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	645.6	647.5	634.4	607.2	563.3	535.2	498.7	431.3	329.3	262.9	325.6
112.5°	839.3	823.4	834.6	802.8	748.5	694.3	654.0	604.4	502.4	318.1	301.3
115°	710.2	698.0	697.1	678.3	661.5	632.5	579.2	529.6	445.4	288.2	236.7
117.5°	313.4	309.7	319.1	304.1	290.1	266.7	269.5	274.1	247.0	214.3	195.6
120°	223.6	221.7	222.7	218.9	217.1	215.2	215.2	212.4	229.2	210.5	188.1
122.5°	171.2	170.3	177.8	183.4	189.0	192.7	198.4	202.1	211.5	209.6	176.8
125°	176.8	175.0	180.6	180.6	188.1	186.2	196.5	209.6	222.7	200.2	155.3
127.5°	178.7	176.8	183.4	185.3	191.8	196.5	199.3	213.3	198.4	168.4	147.8
130°	189.9	185.3	187.1	187.1	195.6	194.6	194.6	174.0	163.7	157.2	133.8
132.5°	189.9	184.3	185.3	183.4	177.8	164.7	151.6	147.8	145.0	132.9	120.7
135°	159.1	151.6	149.7	146.0	141.3	131.9	127.2	124.4	125.4	121.6	114.1
137.5°	121.6	119.8	119.8	116.0	114.1	114.1	115.1	118.8	115.1	110.4	106.7
140°	106.7	104.8	106.7	106.7	103.9	102.0	105.7	109.5	108.5	99.2	98.2
142.5°	94.5	92.6	95.4	95.4	98.2	99.2	101.1	102.9	102.0	99.2	99.2
145°	90.8	89.8	92.6	90.8	91.7	90.8	95.4	103.9	106.7	96.4	87.0
147.5°	86.1	85.1	88.0	87.0	92.6	98.2	103.9	102.0	94.5	92.6	91.7
150°	115.1	113.2	115.1	114.1	109.5	105.7	104.8	104.8	103.9	97.3	87.0
152.5°	108.5	105.7	106.7	102.9	98.2	96.4	98.2	98.2	89.8	79.5	71.1
155°	95.4	91.7	92.6	88.9	84.2	79.5	76.7	73.0	68.3	59.9	50.5
157.5°	72.0	69.2	71.1	69.2	66.4	63.6	60.8	57.1	51.5	44.0	40.2
160°	60.8	57.1	57.1	55.2	55.2	50.5	48.7	44.9	40.2	35.6	35.6
162.5°	45.8	44.9	44.9	42.1	40.2	37.4	35.6	32.7	33.7	32.7	31.8
165°	29.9	28.1	29.0	27.1	27.1	28.1	29.9	30.9	29.0	29.0	33.7
167.5°	25.3	24.3	25.3	26.2	26.2	27.1	30.9	29.9	30.9	31.8	34.6
170°	28.1	27.1	28.1	28.1	29.0	29.9	29.9	32.7	33.7	32.7	30.9
172.5°	30.9	30.9	29.0	19.6	19.6	20.6	20.6	21.5	20.6	19.6	18.7
175°	6.5	6.5	7.5	7.5	7.5	7.5	8.4	9.4	9.4	9.4	10.3
177.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.5	7.5	6.5	8.4
180°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0
2.5°	2228.7	2228.7	2238.1	2205.3	2173.5	2216.6	2197.8	2177.3	2141.7	2146.4	2144.5
5°	2275.5	2271.8	2274.6	2237.1	2198.8	2238.1	2208.1	2179.1	2138.9	2137.0	2124.9
7.5°	2319.5	2307.3	2303.6	2263.3	2218.4	2248.4	2210.9	2173.5	2125.8	2116.4	2093.1
10°	2344.7	2327.0	2318.5	2274.6	2223.1	2247.4	2202.5	2154.8	2102.4	2081.8	2045.3
12.5°	2368.1	2344.7	2331.6	2286.7	2229.7	2241.8	2191.3	2138.9	2078.1	2049.1	1996.7
15°	2400.9	2370.9	2356.0	2310.1	2239.0	2247.4	2187.6	2123.9	2054.7	2014.5	1946.2
17.5°	2413.0	2383.1	2363.5	2313.9	2241.8	2239.9	2174.5	2099.6	2015.4	1960.2	1873.2
20°	2403.7	2376.6	2358.8	2310.1	2233.4	2221.2	2148.3	2064.0	1965.8	1891.9	1787.1
22.5°	2393.4	2360.6	2348.5	2297.0	2218.4	2200.7	2117.4	2019.1	1910.6	1815.2	1689.8
25°	2398.1	2344.7	2331.6	2287.7	2203.5	2180.1	2085.6	1974.2	1847.9	1733.8	1586.9
27.5°	2424.3	2341.9	2311.1	2272.7	2188.5	2162.3	2055.6	1926.5	1781.5	1643.9	1478.3
30°	2444.9	2348.5	2285.8	2244.6	2162.3	2130.5	2013.5	1865.7	1693.5	1541.0	1378.2
32.5°	2454.2	2352.2	2268.0	2209.1	2130.5	2090.2	1962.1	1796.4	1605.6	1435.3	1279.0
35°	2428.0	2356.9	2257.7	2174.5	2094.9	2049.1	1906.9	1717.9	1505.5	1327.7	1163.0
37.5°	2343.8	2342.9	2244.6	2146.4	2049.1	2003.2	1846.0	1634.6	1398.8	1212.6	1027.3
40°	2250.2	2282.1	2233.4	2119.2	2006.0	1960.2	1785.2	1544.8	1287.5	1076.9	850.5
42.5°	2210.0	2187.6	2207.2	2094.9	1968.6	1914.3	1712.2	1443.7	1167.7	928.2	668.1
45°	2210.0	2109.0	2140.8	2075.3	1924.6	1862.9	1629.0	1331.4	1044.2	784.1	510.9
47.5°	2225.0	2035.0	2018.2	2049.1	1877.9	1795.5	1541.0	1216.3	916.9	618.5	387.4
50°	2235.3	1983.6	1888.1	1978.0	1815.2	1690.7	1423.1	1091.9	767.2	467.8	299.4
52.5°	2157.6	2050.9	1811.4	1854.5	1730.0	1573.8	1294.0	946.9	596.9	348.1	252.6
55°	2275.5	2007.0	1824.5	1706.6	1631.8	1425.9	1145.2	784.1	438.8	266.7	224.6
57.5°	2452.3	2102.4	1784.3	1531.7	1456.8	1255.6	985.2	603.5	309.7	223.6	192.7
60°	2768.6	2224.0	1661.7	1305.2	1185.5	1042.3	786.9	425.7	227.4	190.9	158.1
62.5°	3204.6	2312.9	1519.5	1105.9	912.3	785.9	550.2	281.6	185.3	155.3	131.0
64°	3310.3	2385.0	1440.9	981.5	754.1	627.8	414.5	228.3	164.7	133.8	114.1
65°	3273.8	2414.0	1398.8	899.2	649.3	525.8	340.6	205.8	151.6	123.5	105.7
67.5°	2935.1	2319.5	1340.8	730.7	434.1	320.0	227.4	162.8	125.4	103.9	88.9
70°	2264.3	2007.9	1268.7	569.8	304.1	233.0	171.2	131.9	102.9	87.0	74.9
72.5°	1578.4	1486.7	961.8	450.0	227.4	174.0	135.7	107.6	86.1	73.9	64.6
75°	1120.0	860.8	614.7	341.5	177.8	138.5	114.1	88.9	73.0	63.6	55.2
77.5°	821.5	541.7	307.8	231.1	145.0	122.6	99.2	76.7	61.8	54.3	47.7
80°	575.4	400.5	229.2	148.8	117.0	110.4	88.9	66.4	53.3	47.7	42.1
82.5°	450.0	331.2	199.3	124.4	95.4	94.5	78.6	57.1	47.7	42.1	37.4
85°	393.0	288.2	185.3	110.4	81.4	79.5	68.3	50.5	43.0	38.4	33.7
87.5°	393.9	275.1	184.3	110.4	77.7	70.2	60.8	45.8	39.3	34.6	30.9
90°	455.7	316.2	198.4	109.5	73.9	62.7	54.3	41.2	35.6	30.9	28.1
92.5°	526.8	362.1	179.6	108.5	73.0	59.9	51.5	38.4	33.7	29.9	27.1
95°	526.8	297.5	164.7	113.2	75.8	58.9	47.7	36.5	30.9	29.0	26.2
97.5°	408.9	238.6	177.8	133.8	82.3	63.6	48.7	34.6	29.0	27.1	25.3
100°	316.2	204.0	199.3	160.0	93.6	61.8	44.0	32.7	28.1	27.1	25.3
102.5°	281.6	189.0	170.3	149.7	86.1	56.1	41.2	31.8	28.1	26.2	24.3
105°	280.7	183.4	130.1	111.3	71.1	51.5	38.4	30.9	27.1	25.3	24.3
107.5°	296.6	198.4	119.8	91.7	65.5	50.5	38.4	29.0	26.2	24.3	26.2



REPORT NUMBER: P218821  
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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
110°	297.5	215.2	127.2	84.2	58.9	50.5	40.2	28.1	25.3	25.3	32.7
112.5°	288.2	220.8	142.2	80.5	57.1	49.6	41.2	28.1	24.3	26.2	31.8
115°	236.7	208.7	146.0	88.9	58.9	46.8	39.3	28.1	25.3	25.3	25.3
117.5°	194.6	170.3	129.1	88.0	52.4	39.3	32.7	25.3	23.4	22.5	22.5
120°	160.0	120.7	95.4	73.0	47.7	33.7	28.1	23.4	21.5	21.5	20.6
122.5°	130.1	104.8	85.1	62.7	42.1	30.9	27.1	23.4	21.5	21.5	20.6
125°	124.4	103.9	85.1	60.8	41.2	30.9	28.1	24.3	21.5	21.5	21.5
127.5°	116.0	90.8	72.0	58.9	42.1	29.9	28.1	24.3	22.5	21.5	22.5
130°	104.8	83.3	68.3	55.2	39.3	31.8	28.1	25.3	23.4	23.4	24.3
132.5°	98.2	78.6	64.6	52.4	39.3	33.7	29.9	26.2	24.3	24.3	23.4
135°	97.3	73.9	59.9	47.7	37.4	31.8	28.1	24.3	23.4	22.5	21.5
137.5°	100.1	84.2	59.9	47.7	41.2	33.7	27.1	23.4	22.5	21.5	20.6
140°	95.4	78.6	63.6	47.7	44.0	36.5	27.1	23.4	21.5	21.5	20.6
142.5°	84.2	73.0	59.9	45.8	44.9	38.4	27.1	23.4	21.5	20.6	19.6
145°	80.5	69.2	58.0	49.6	46.8	39.3	28.1	22.5	20.6	19.6	18.7
147.5°	82.3	72.0	58.9	45.8	46.8	36.5	26.2	21.5	19.6	19.6	18.7
150°	73.0	61.8	51.5	40.2	45.8	34.6	24.3	20.6	19.6	19.6	18.7
152.5°	56.1	48.7	42.1	41.2	43.0	32.7	24.3	21.5	19.6	19.6	17.8
155°	43.0	40.2	37.4	43.0	40.2	31.8	24.3	21.5	19.6	18.7	17.8
157.5°	38.4	35.6	39.3	44.9	37.4	29.9	23.4	20.6	18.7	17.8	15.9
160°	32.7	36.5	41.2	42.1	34.6	28.1	21.5	19.6	17.8	16.8	15.0
162.5°	33.7	38.4	40.2	39.3	29.0	24.3	19.6	17.8	16.8	15.9	14.0
165°	37.4	39.3	37.4	33.7	25.3	20.6	18.7	16.8	15.9	15.0	14.0
167.5°	34.6	34.6	34.6	29.0	23.4	19.6	17.8	15.9	15.0	14.0	13.1
170°	25.3	20.6	18.7	16.8	15.9	15.0	15.0	14.0	14.0	13.1	12.2
172.5°	18.7	16.8	15.9	15.0	14.0	14.0	14.0	13.1	13.1	13.1	12.2
175°	10.3	10.3	11.2	11.2	11.2	12.2	12.2	11.2	11.2	11.2	10.3
177.5°	8.4	9.4	10.3	10.3	10.3	11.2	11.2	10.3	11.2	10.3	10.3
180°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



REPORT NUMBER: P218821  
 CATALOG NUMBER: XTOR8BRL-Y

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0	2181.0
2.5°	2145.4	2127.7	2112.7	2138.9	2129.5	2096.8	2122.1	2093.1	2107.1	2115.5	2080.9
5°	2117.4	2093.1	2066.9	2080.9	2065.0	2028.5	2039.7	2004.2	2010.7	2012.6	1973.3
7.5°	2070.6	2039.7	2002.3	2006.0	1974.2	1926.5	1928.4	1880.7	1876.0	1869.4	1823.6
10°	2013.5	1970.5	1920.0	1904.0	1861.9	1803.9	1789.0	1731.0	1714.1	1695.4	1645.8
12.5°	1953.6	1896.6	1830.1	1797.4	1737.5	1672.9	1640.2	1580.3	1559.7	1541.0	1498.0
15°	1886.3	1812.4	1727.2	1672.0	1605.6	1545.7	1517.6	1457.7	1436.2	1411.9	1369.8
17.5°	1799.3	1701.9	1598.1	1545.7	1487.7	1428.7	1392.2	1323.0	1287.5	1247.2	1184.5
20°	1691.7	1577.5	1482.1	1430.6	1369.8	1298.7	1238.8	1148.0	1058.2	981.5	902.9
22.5°	1576.6	1469.9	1379.1	1313.7	1228.5	1130.3	1018.9	894.5	800.9	732.6	674.6
25°	1469.0	1369.8	1258.5	1170.5	1046.1	902.9	778.5	669.0	582.9	535.2	472.5
27.5°	1367.9	1256.6	1119.0	982.4	819.6	683.0	575.4	487.5	431.3	393.9	368.6
30°	1257.5	1123.7	937.5	765.4	616.6	506.2	430.4	378.9	358.4	349.0	337.8
32.5°	1128.4	942.2	737.3	575.4	466.9	394.8	363.0	346.2	336.8	332.2	334.0
35°	978.7	757.9	556.7	436.9	377.1	351.8	340.6	323.7	320.9	332.2	355.5
37.5°	797.2	582.9	429.5	364.9	346.2	329.3	310.6	306.9	333.1	350.9	320.9
40°	604.4	442.6	356.5	333.1	320.0	297.5	295.7	315.3	326.5	280.7	255.4
42.5°	443.5	351.8	317.2	305.0	282.6	277.9	292.9	305.0	261.0	242.3	230.2
45°	346.2	297.5	282.6	268.5	258.2	264.8	292.9	244.2	228.3	214.3	204.9
47.5°	290.1	269.5	242.3	235.8	246.1	276.0	238.6	208.7	203.0	204.9	200.2
50°	259.2	236.7	210.5	209.6	237.7	240.5	200.2	191.8	193.7	188.1	177.8
52.5°	230.2	204.9	185.3	188.1	228.3	191.8	184.3	166.5	167.5	175.0	175.9
55°	197.4	175.9	163.7	163.7	181.5	169.4	148.8	150.6	148.8	148.8	143.2
57.5°	165.6	152.5	146.0	153.4	152.5	137.5	139.4	127.2	120.7	135.7	130.1
60°	141.3	132.9	130.1	143.2	128.2	119.8	113.2	113.2	107.6	104.8	98.2
62.5°	119.8	115.1	118.8	114.1	109.5	101.1	102.0	95.4	90.8	88.0	86.1
64°	109.5	106.7	107.6	102.0	96.4	93.6	89.8	88.0	85.1	81.4	77.7
65°	102.0	101.1	101.1	96.4	88.9	87.0	84.2	83.3	80.5	80.5	76.7
67.5°	85.1	86.1	86.1	81.4	74.9	72.0	70.2	72.0	71.1	69.2	66.4
70°	71.1	73.0	72.0	69.2	65.5	61.8	58.9	60.8	59.9	61.8	57.1
72.5°	60.8	58.9	60.8	58.9	57.1	55.2	51.5	52.4	54.3	56.1	49.6
75°	51.5	49.6	53.3	52.4	51.5	48.7	45.8	46.8	48.7	48.7	42.1
77.5°	44.9	44.0	46.8	47.7	46.8	43.0	39.3	42.1	44.0	40.2	35.6
80°	40.2	39.3	40.2	44.0	41.2	37.4	35.6	39.3	39.3	33.7	29.9
82.5°	36.5	35.6	35.6	42.1	37.4	32.7	34.6	36.5	34.6	29.0	25.3
85°	32.7	31.8	34.6	43.0	34.6	30.9	31.8	33.7	29.9	23.4	20.6
87.5°	29.9	29.9	36.5	48.7	33.7	28.1	33.7	36.5	26.2	19.6	16.8
90°	27.1	28.1	40.2	54.3	29.0	25.3	40.2	42.1	24.3	15.9	13.1
92.5°	26.2	27.1	38.4	46.8	28.1	28.1	45.8	43.0	23.4	15.9	13.1
95°	26.2	27.1	33.7	36.5	28.1	29.9	43.0	37.4	22.5	16.8	14.0
97.5°	25.3	27.1	31.8	31.8	29.0	29.9	33.7	29.9	20.6	17.8	15.0
100°	25.3	27.1	30.9	29.9	29.0	29.0	29.0	26.2	20.6	18.7	15.0
102.5°	25.3	29.0	29.0	28.1	28.1	28.1	27.1	25.3	21.5	19.6	15.9
105°	26.2	29.9	26.2	25.3	26.2	25.3	24.3	23.4	21.5	18.7	15.9
107.5°	29.9	27.1	23.4	24.3	24.3	23.4	22.5	20.6	20.6	17.8	14.0

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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
110°	30.9	23.4	22.5	23.4	24.3	22.5	20.6	19.6	19.6	15.9	13.1	0°
112.5°	25.3	21.5	21.5	23.4	23.4	21.5	18.7	18.7	17.8	14.0	12.2	2.5°
115°	23.4	21.5	21.5	24.3	24.3	20.6	17.8	17.8	16.8	14.0	11.2	5°
117.5°	22.5	21.5	22.5	25.3	23.4	18.7	17.8	16.8	15.9	14.0	11.2	7.5°
120°	21.5	22.5	24.3	25.3	21.5	17.8	16.8	15.9	15.0	13.1	11.2	10°
122.5°	22.5	25.3	28.1	25.3	20.6	17.8	16.8	15.9	15.0	12.2	11.2	12.5°
125°	24.3	29.0	29.0	23.4	19.6	17.8	15.9	15.9	14.0	12.2	10.3	15°
127.5°	26.2	28.1	25.3	21.5	18.7	16.8	15.9	15.0	14.0	11.2	10.3	17.5°
130°	25.3	25.3	22.5	20.6	18.7	16.8	15.0	14.0	13.1	11.2	9.4	20°
132.5°	23.4	22.5	20.6	20.6	18.7	16.8	15.0	14.0	12.2	10.3	9.4	22.5°
135°	21.5	20.6	19.6	19.6	17.8	15.9	15.0	14.0	12.2	10.3	8.4	25°
137.5°	20.6	19.6	18.7	18.7	16.8	15.0	14.0	13.1	12.2	10.3	9.4	27.5°
140°	20.6	19.6	17.8	16.8	15.9	14.0	13.1	12.2	11.2	10.3	9.4	30°
142.5°	19.6	18.7	16.8	16.8	15.0	14.0	13.1	12.2	11.2	9.4	8.4	32.5°
145°	18.7	17.8	16.8	15.9	15.0	13.1	12.2	11.2	10.3	9.4	8.4	35°
147.5°	17.8	16.8	15.9	15.0	14.0	12.2	11.2	11.2	10.3	9.4	8.4	37.5°
150°	17.8	16.8	15.0	15.0	13.1	12.2	11.2	10.3	10.3	9.4	8.4	40°
152.5°	16.8	15.9	15.0	14.0	13.1	11.2	10.3	10.3	9.4	8.4	8.4	42.5°
155°	16.8	15.0	14.0	13.1	12.2	10.3	10.3	9.4	9.4	8.4	7.5	45°
157.5°	15.9	15.0	13.1	12.2	11.2	10.3	9.4	9.4	8.4	8.4	7.5	47.5°
160°	15.0	14.0	12.2	12.2	10.3	9.4	9.4	9.4	8.4	7.5	6.5	50°
162.5°	14.0	13.1	12.2	12.2	10.3	9.4	9.4	8.4	8.4	7.5	6.5	52.5°
165°	14.0	13.1	12.2	11.2	10.3	9.4	8.4	8.4	7.5	7.5	6.5	55°
167.5°	12.2	12.2	11.2	11.2	9.4	8.4	8.4	7.5	7.5	6.5	6.5	57.5°
170°	12.2	12.2	11.2	10.3	9.4	8.4	7.5	7.5	7.5	6.5	6.5	60°
172.5°	12.2	11.2	10.3	9.4	8.4	7.5	7.5	7.5	6.5	6.5	5.6	62.5°
175°	10.3	10.3	9.4	9.4	8.4	7.5	6.5	6.5	6.5	5.6	5.6	64°
177.5°	10.3	10.3	9.4	8.4	7.5	6.5	6.5	6.5	5.6	5.6	4.7	65°
180°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	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°

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REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

165°	170°	175°	180°
2181.0	2181.0	2181.0	2181.0
2092.1	2084.6	2080.0	2041.6
1984.5	1972.4	1966.7	1934.0
1830.1	1812.4	1808.6	1781.5
1648.6	1624.3	1623.4	1599.0
1501.7	1479.3	1484.9	1455.9
1359.5	1333.3	1338.0	1320.2
1149.0	1110.6	1115.3	1088.2
862.7	828.1	829.0	807.5
636.2	596.9	597.9	582.0
444.4	422.9	418.2	407.0
356.5	351.8	350.9	344.3
336.8	334.0	335.9	332.2
342.4	356.5	366.8	368.6
369.6	360.2	355.5	342.4
293.8	277.9	266.7	257.3
245.1	237.7	234.8	229.2
220.8	213.3	213.3	209.6
205.8	204.0	201.2	197.4
202.1	193.7	188.1	183.4
185.3	178.7	178.7	175.9
168.4	160.0	153.4	149.7
144.1	140.3	137.5	134.7
121.6	113.2	106.7	103.9
95.4	88.9	85.1	82.3
81.4	77.7	74.9	73.9
77.7	73.9	72.0	70.2
73.0	69.2	64.6	63.6
62.7	58.9	57.1	56.1
54.3	50.5	49.6	48.7
47.7	44.9	44.0	44.0
40.2	37.4	36.5	36.5
33.7	31.8	29.9	29.0
28.1	26.2	25.3	24.3
23.4	21.5	20.6	20.6
17.8	16.8	15.0	15.0
15.0	13.1	11.2	11.2
11.2	10.3	9.4	8.4
12.2	10.3	9.4	9.4
12.2	11.2	10.3	9.4
13.1	11.2	9.4	9.4
13.1	11.2	9.4	9.4
13.1	10.3	8.4	8.4
13.1	10.3	8.4	8.4
13.1	10.3	8.4	8.4

**CANDELA DISTRIBUTION:**

	165°
110°	11.2
112.5°	10.3
115°	10.3
117.5°	11.2
120°	10.3
122.5°	10.3
125°	10.3
127.5°	9.4
130°	8.4
132.5°	8.4
135°	8.4
137.5°	8.4
140°	8.4
142.5°	8.4
145°	8.4
147.5°	7.5
150°	7.5
152.5°	7.5
155°	7.5
157.5°	7.5
160°	6.5
162.5°	6.5
165°	6.5
167.5°	6.5
170°	6.5
172.5°	5.6
175°	5.6
177.5°	4.7
180°	7.5



'218821  
XTOR8BRL-Y

**TION (continued):**

170°	175°	180°
9.4	8.4	8.4
8.4	7.5	8.4
8.4	8.4	8.4
9.4	8.4	8.4
8.4	8.4	8.4
8.4	8.4	8.4
8.4	8.4	9.4
8.4	8.4	8.4
7.5	8.4	8.4
7.5	8.4	8.4
7.5	8.4	7.5
7.5	7.5	8.4
7.5	7.5	7.5
7.5	7.5	7.5
7.5	7.5	7.5
7.5	7.5	7.5
7.5	7.5	7.5
7.5	7.5	7.5
6.5	6.5	7.5
6.5	6.5	6.5
6.5	6.5	6.5
6.5	5.6	6.5
5.6	5.6	5.6
5.6	5.6	5.6
5.6	5.6	5.6
4.7	4.7	4.7
7.5	7.5	7.5

(END OF REPORT)