

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: P208564

Luminaire Tested: **XTOR2B-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P208564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27499)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR2B-W  
Description: CROSSTOUR 18W WALL MOUNT LED  
  
Light Source: EATON LED 4000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2102.6 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 0.46' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B1 - U0 - G0

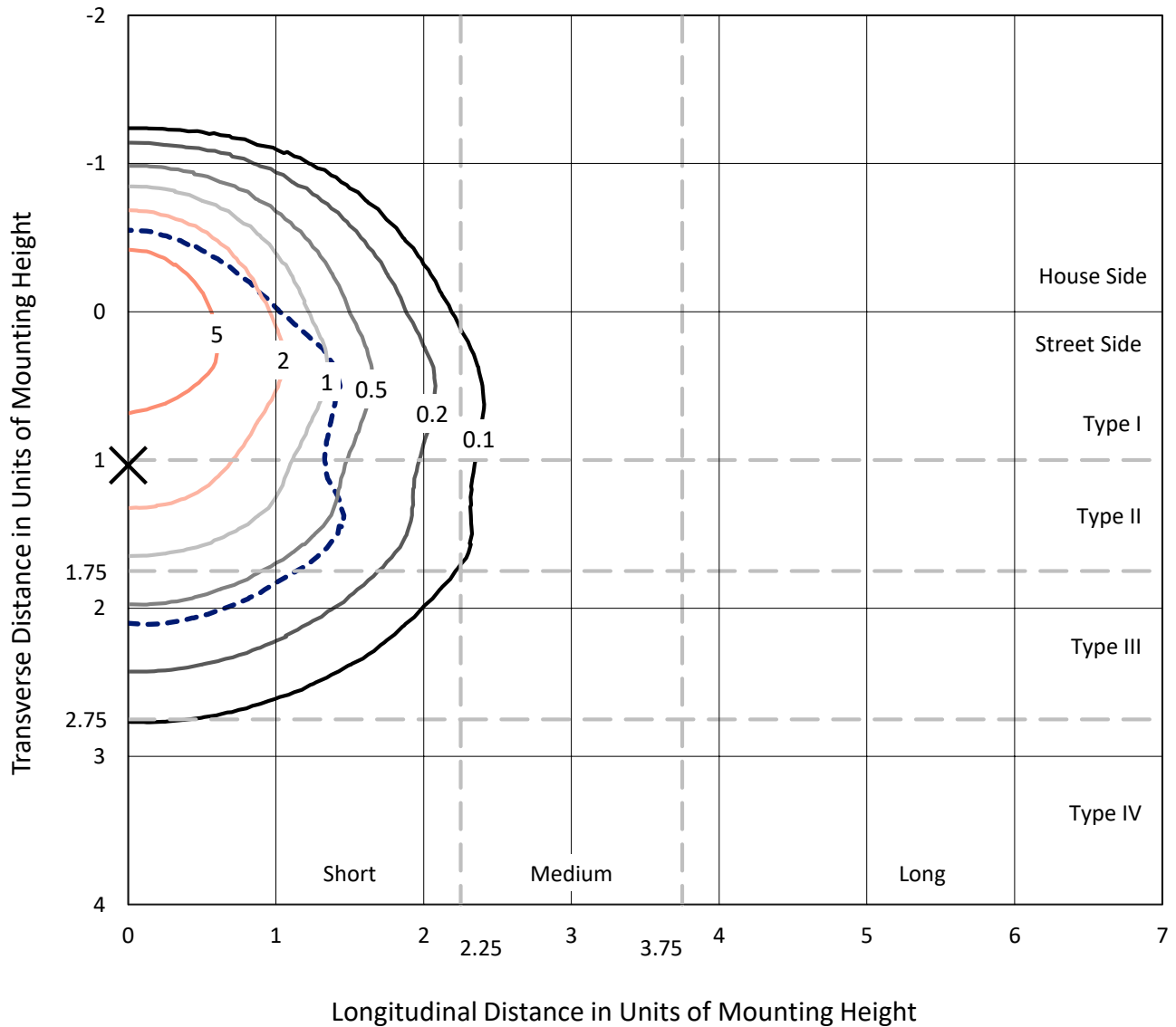
Input Watts (W): 18.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P208564  
 CATALOG NUMBER: XTOR2B-W

### Iso-Footcandle Lines of Horizontal Illumination

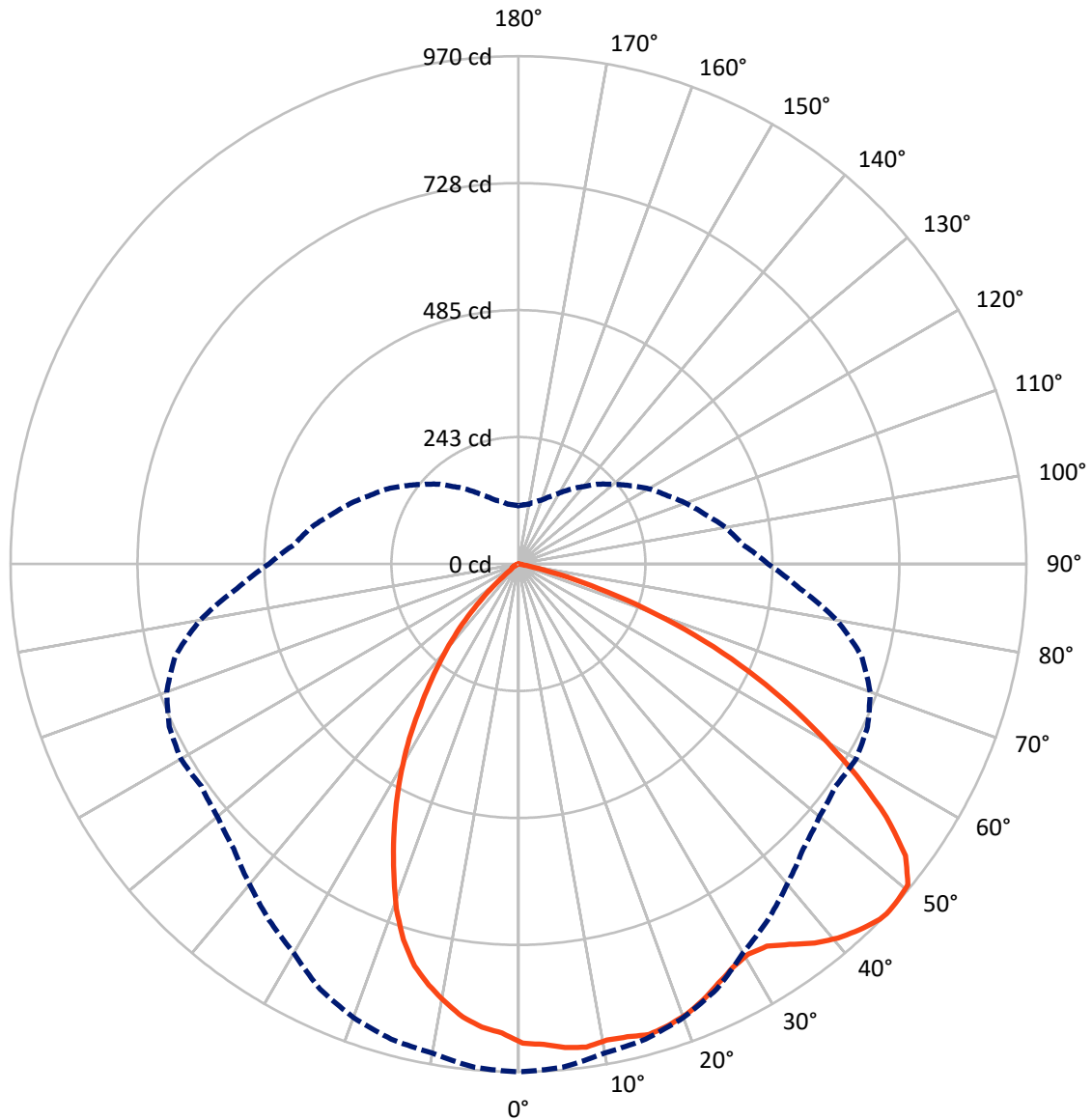
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc  
 Type III - Short - Full Cutoff

REPORT NUMBER: P208564  
CATALOG NUMBER: XTOR2B-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 46-Deg Vertical

REPORT NUMBER: P208564  
 CATALOG NUMBER: XTOR2B-W

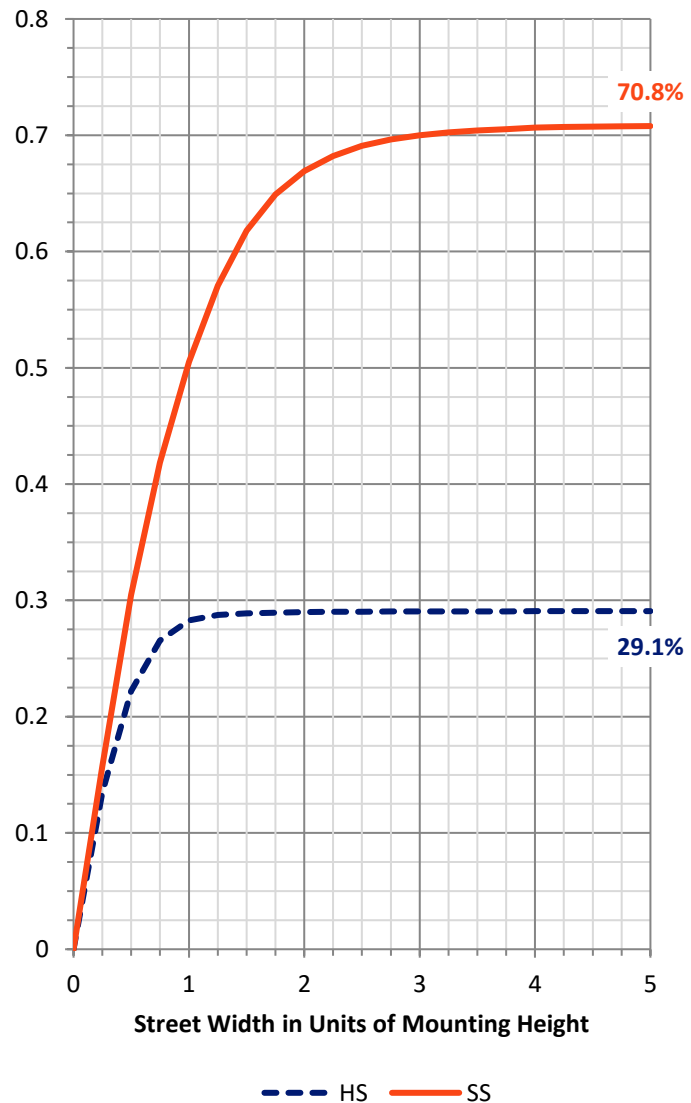
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	616.7	0.0	616.7
	% Fixture	29.3	0.0	29.3
<b>Street Side</b>	Lumens	1485.9	0.0	1485.9
	% Fixture	70.7	0.0	70.7
<b>Total</b>	Lumens	2102.6	0.0	2102.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.3	4.1
10°-20°	244.1	11.6
20°-30°	354.8	16.9
30°-40°	407.0	19.4
40°-50°	405.7	19.3
50°-60°	337.7	16.1
60°-70°	203.9	9.7
70°-80°	60.0	2.9
80°-90°	3.0	0.1
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°	2102.6	100.0
0°-180°	2102.6	100.0

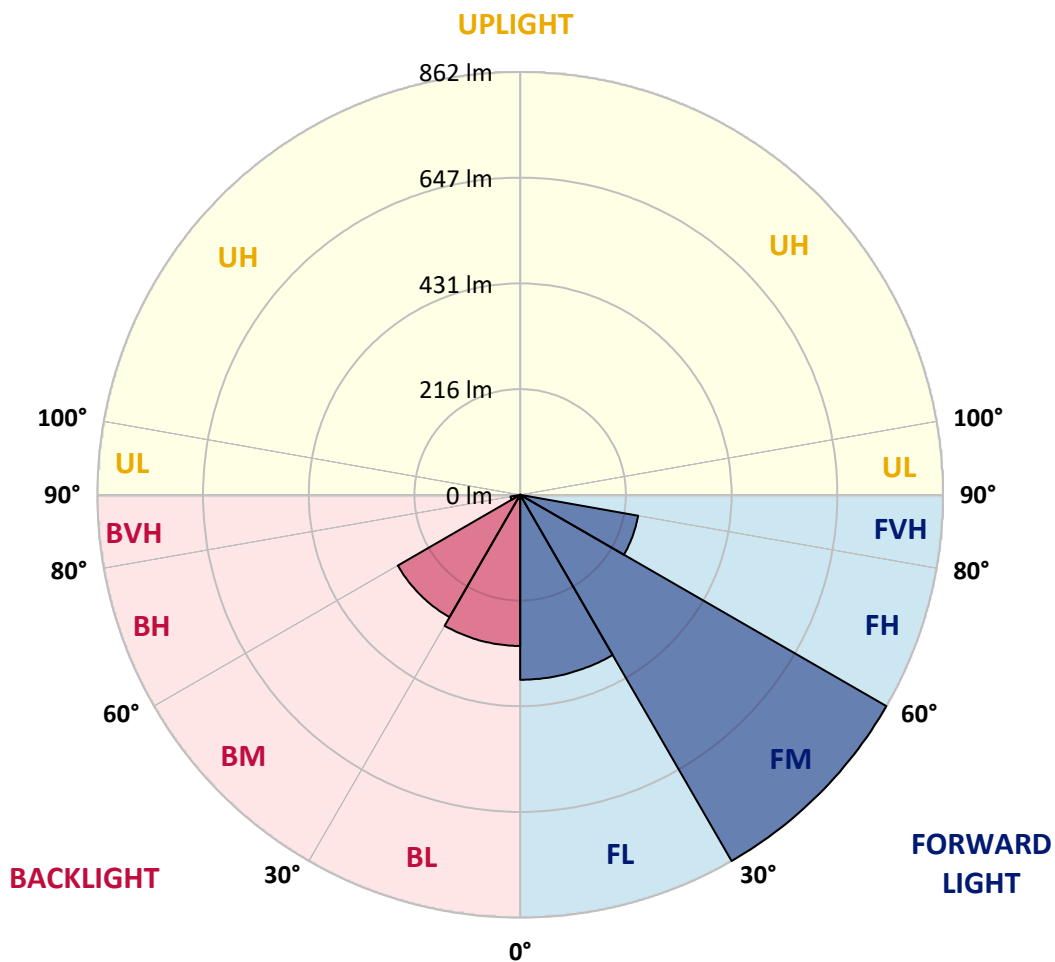


REPORT NUMBER: P208564  
 CATALOG NUMBER: XTOR2B-W

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.2	17.9			
FM	(30°-60°)	862.2	41.0			
FH	(60°-80°)	244.2	11.6			G0/660
FVH	(80°-90°)	2.4	0.1			G0/10
BL	(0°-30°)	308.1	14.7	B1/500		
BM	(30°-60°)	288.2	13.7	B1/1000		
BH	(60°-80°)	19.8	0.9	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type III Short





REPORT NUMBER: P208564  
 CATALOG NUMBER: XTOR2B-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1
2.5°	919.0	921.0	920.0	928.8	928.8	926.9	920.0	922.0	921.0	918.0	916.0
5°	927.9	928.8	927.9	935.7	935.7	932.8	924.9	927.9	925.9	922.0	920.0
7.5°	931.8	934.8	933.8	940.7	939.7	936.7	927.9	929.8	927.9	922.9	921.0
10°	924.9	926.9	926.9	934.8	935.7	931.8	922.9	924.9	922.0	918.0	914.1
12.5°	926.9	927.9	926.9	934.8	934.8	932.8	923.9	925.9	922.0	916.0	912.1
15°	932.8	933.8	932.8	939.7	937.7	933.8	924.9	926.9	923.9	918.0	914.1
17.5°	926.9	929.8	928.8	936.7	935.7	929.8	920.0	922.9	921.0	914.1	910.1
20°	918.0	922.0	919.0	926.9	926.9	922.9	913.1	916.0	915.1	909.1	904.2
22.5°	904.2	908.2	906.2	913.1	914.1	912.1	904.2	909.1	908.2	904.2	900.3
25°	887.5	892.4	890.4	900.3	903.2	902.3	897.3	905.2	907.2	906.2	902.3
27.5°	872.7	876.6	876.6	887.5	891.4	893.4	892.4	900.3	902.3	906.2	907.2
30°	864.8	866.8	865.8	874.7	879.6	883.5	880.6	890.4	896.3	898.3	908.2
32.5°	870.7	868.8	861.9	866.8	868.8	870.7	865.8	873.7	881.6	885.5	897.3
35°	892.4	888.5	878.6	877.6	873.7	868.8	854.0	857.9	863.8	871.7	877.6
37.5°	919.0	913.1	900.3	896.3	889.4	876.6	853.0	848.1	847.1	849.1	857.9
40°	939.7	935.7	920.0	918.0	905.2	888.5	857.9	843.2	832.3	827.4	829.4
42.5°	955.4	949.5	934.8	934.8	920.0	897.3	861.9	841.2	819.5	805.7	799.8
45°	968.2	961.4	946.6	937.7	923.9	898.3	861.9	835.3	804.7	781.1	765.3
46°	970.2	965.3	948.5	939.7	922.0	896.3	857.9	830.3	798.8	769.3	750.6
47.5°	969.2	965.3	953.5	942.6	922.0	894.4	852.0	823.5	787.0	752.5	728.9
50°	964.3	960.4	951.5	939.7	916.0	883.5	835.3	802.8	759.4	716.1	684.6
52.5°	925.9	929.8	923.9	916.0	896.3	866.8	820.5	769.3	719.0	672.7	636.3
55°	853.0	862.9	861.9	861.9	852.0	829.4	794.9	754.5	682.6	626.5	588.0
57.5°	761.4	766.3	771.2	774.2	771.2	764.4	742.7	724.0	666.8	584.1	534.9
60°	661.9	667.8	668.8	670.8	668.8	667.8	659.9	656.0	628.4	567.4	485.6
62.5°	564.4	573.3	569.3	568.3	564.4	562.4	557.5	561.4	551.6	529.9	461.0
65°	465.9	473.8	471.8	469.8	466.9	463.9	455.1	463.9	461.0	454.1	429.5
67.5°	364.4	368.4	369.4	369.4	370.4	370.4	365.4	371.3	367.4	369.4	365.4
70°	259.1	264.0	267.9	268.9	271.9	276.8	277.8	286.6	283.7	282.7	283.7
72.5°	160.6	168.4	169.4	171.4	178.3	187.1	195.0	202.9	202.9	204.9	205.9
75°	82.7	88.6	92.6	91.6	97.5	105.4	111.3	125.1	129.0	134.9	136.9
77.5°	29.5	33.5	36.4	36.4	37.4	44.3	49.2	58.1	65.0	70.9	78.8
80°	6.9	7.9	7.9	7.9	8.9	10.8	12.8	15.8	19.7	25.6	32.5
82.5°	3.9	3.9	3.9	4.9	3.9	4.9	4.9	3.9	3.9	4.9	5.9
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
87.5°	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P208564  
 CATALOG NUMBER: XTOR2B-W

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1
2.5°	911.1	913.1	905.2	907.2	910.1	909.1	903.2	903.2	904.2	906.2	907.2
5°	914.1	917.0	907.2	910.1	913.1	912.1	906.2	905.2	905.2	907.2	908.2
7.5°	913.1	916.0	905.2	908.2	911.1	910.1	903.2	902.3	900.3	902.3	901.3
10°	907.2	908.2	897.3	899.3	900.3	898.3	890.4	888.5	886.5	885.5	883.5
12.5°	906.2	907.2	897.3	898.3	896.3	890.4	880.6	877.6	874.7	871.7	865.8
15°	908.2	909.1	898.3	899.3	896.3	888.5	875.7	869.7	863.8	857.9	850.0
17.5°	904.2	905.2	892.4	892.4	888.5	879.6	865.8	856.9	847.1	839.2	829.4
20°	897.3	898.3	884.5	882.6	875.7	866.8	850.0	837.2	824.4	814.6	800.8
22.5°	893.4	891.4	876.6	872.7	863.8	850.0	831.3	818.5	799.8	787.0	771.2
25°	896.3	892.4	874.7	865.8	855.0	837.2	815.6	795.9	777.2	762.4	744.7
27.5°	902.3	897.3	876.6	862.9	850.0	826.4	798.8	775.2	753.5	734.8	711.2
30°	905.2	902.3	876.6	860.9	840.2	813.6	779.1	749.6	720.0	697.4	668.8
32.5°	900.3	900.3	873.7	855.0	826.4	793.9	754.5	717.1	681.6	655.0	622.5
35°	889.4	893.4	868.8	845.1	812.6	771.2	725.9	683.6	641.2	607.7	568.3
37.5°	865.8	876.6	855.0	830.3	792.9	743.7	691.5	643.2	595.9	556.5	518.1
40°	832.3	845.1	830.3	804.7	765.3	712.1	654.0	598.9	543.7	507.3	471.8
42.5°	796.9	808.7	795.9	773.2	732.8	678.7	609.7	548.6	494.5	460.0	429.5
45°	756.5	764.4	751.5	732.8	696.4	636.3	559.5	497.4	447.2	419.6	386.1
46°	739.7	744.7	735.8	715.1	678.7	617.6	539.8	476.7	429.5	401.9	368.4
47.5°	711.2	716.1	708.2	687.5	651.1	590.0	510.2	447.2	402.9	375.3	343.8
50°	660.9	659.0	656.0	640.2	599.9	541.7	460.0	398.9	359.5	333.9	301.4
52.5°	610.7	597.9	596.9	583.1	547.7	490.5	410.7	355.6	317.2	292.5	260.0
55°	559.5	540.8	532.9	528.0	493.5	440.3	364.4	313.2	277.8	251.2	216.7
57.5°	502.3	485.6	466.9	465.9	441.3	387.1	317.2	269.9	238.4	206.8	177.3
60°	448.2	426.5	404.8	403.8	385.1	336.9	271.9	227.5	194.0	167.4	137.9
62.5°	392.0	366.4	346.7	341.8	328.0	286.6	227.5	184.2	154.6	128.0	102.4
65°	348.7	310.3	290.6	280.7	268.9	238.4	184.2	144.8	116.2	92.6	69.9
67.5°	328.0	259.1	235.4	220.6	207.8	181.2	137.9	106.4	81.8	61.1	42.4
70°	283.7	222.6	183.2	164.5	150.7	131.0	97.5	72.9	51.2	35.5	20.7
72.5°	204.9	193.1	137.9	119.2	101.5	84.7	62.1	46.3	27.6	15.8	8.9
75°	136.9	136.9	106.4	80.8	63.0	48.3	34.5	21.7	10.8	7.9	6.9
77.5°	78.8	80.8	72.9	51.2	37.4	25.6	14.8	8.9	6.9	5.9	5.9
80°	33.5	37.4	35.5	28.6	17.7	10.8	5.9	4.9	4.9	3.9	3.9
82.5°	8.9	9.8	9.8	9.8	5.9	4.9	3.9	3.9	3.0	3.0	2.0
85°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	1.0	1.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P208564  
 CATALOG NUMBER: XTOR2B-W

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1
2.5°	910.1	910.1	913.1	907.2	904.2	907.2	900.3	904.2	906.2	901.3	904.2
5°	909.1	908.2	910.1	902.3	898.3	900.3	894.4	898.3	899.3	894.4	897.3
7.5°	900.3	898.3	898.3	890.4	883.5	885.5	879.6	882.6	882.6	877.6	880.6
10°	881.6	876.6	876.6	868.8	861.9	863.8	856.9	858.9	857.9	854.0	856.9
12.5°	861.9	856.0	855.0	847.1	840.2	842.2	835.3	838.2	836.3	832.3	833.3
15°	845.1	838.2	835.3	826.4	818.5	817.5	810.6	813.6	811.6	805.7	805.7
17.5°	820.5	810.6	804.7	793.9	782.1	784.1	776.2	776.2	772.2	765.3	762.4
20°	790.9	777.2	769.3	756.5	742.7	741.7	733.8	730.9	725.0	717.1	714.1
22.5°	757.5	742.7	730.9	714.1	698.4	694.4	683.6	677.7	668.8	659.9	655.0
25°	727.9	706.2	691.5	671.8	650.1	642.2	628.4	618.6	607.7	596.9	593.0
27.5°	690.5	666.8	648.1	622.5	598.9	583.1	563.4	556.5	546.7	536.8	531.9
30°	646.2	617.6	593.9	567.4	539.8	522.0	505.3	493.5	482.6	472.8	468.9
32.5°	593.0	558.5	534.9	510.2	486.6	469.8	451.1	438.3	426.5	414.7	409.8
35°	537.8	505.3	483.6	461.0	438.3	423.5	405.8	391.0	375.3	361.5	352.6
37.5°	489.5	458.0	437.3	415.7	391.0	376.3	357.6	342.8	327.0	311.3	300.4
40°	443.2	413.7	393.0	367.4	343.8	327.0	306.3	289.6	273.8	259.1	249.2
42.5°	399.9	370.4	347.7	323.1	298.5	278.8	257.1	238.4	219.7	205.9	196.0
45°	357.6	329.0	305.3	278.8	255.1	233.4	210.8	192.1	174.3	159.6	147.7
46°	339.8	311.3	287.6	261.0	236.4	215.7	193.1	174.3	156.6	141.8	130.0
47.5°	316.2	289.6	262.0	237.4	209.8	190.1	167.4	148.7	132.0	117.2	105.4
50°	274.8	244.3	216.7	192.1	167.4	147.7	126.1	108.3	93.6	79.8	68.0
52.5°	232.5	201.9	175.3	150.7	127.1	109.3	90.6	73.9	58.1	47.3	38.4
55°	189.1	162.5	136.9	113.3	92.6	74.9	58.1	44.3	32.5	24.6	19.7
57.5°	149.7	125.1	102.4	82.7	64.0	48.3	34.5	24.6	18.7	14.8	12.8
60°	114.3	91.6	70.9	53.2	38.4	27.6	18.7	13.8	11.8	10.8	10.8
62.5°	80.8	61.1	43.3	31.5	20.7	14.8	10.8	10.8	9.8	9.8	9.8
65°	51.2	35.5	22.7	15.8	10.8	9.8	9.8	8.9	8.9	8.9	7.9
67.5°	27.6	16.7	11.8	9.8	8.9	8.9	7.9	7.9	6.9	6.9	5.9
70°	11.8	8.9	9.8	7.9	7.9	6.9	5.9	5.9	4.9	4.9	3.9
72.5°	8.9	8.9	7.9	6.9	5.9	5.9	4.9	3.9	3.0	3.0	3.0
75°	6.9	6.9	5.9	4.9	3.9	3.0	3.0	3.0	2.0	2.0	2.0
77.5°	5.9	4.9	3.9	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
82.5°	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P208564  
 CATALOG NUMBER: XTOR2B-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	915.1	915.1	915.1	915.1
2.5°	904.2	900.3	903.2	896.3
5°	896.3	892.4	895.4	887.5
7.5°	880.6	875.7	877.6	871.7
10°	856.0	852.0	854.0	848.1
12.5°	830.3	825.4	827.4	822.5
15°	800.8	795.9	797.8	792.9
17.5°	759.4	755.5	755.5	750.6
20°	709.2	703.3	701.3	698.4
22.5°	649.1	642.2	639.3	635.3
25°	588.0	581.1	578.2	574.2
27.5°	527.0	521.1	521.1	513.2
30°	463.9	459.0	459.0	453.1
32.5°	402.9	397.9	397.9	393.0
35°	344.7	337.9	336.9	330.0
37.5°	289.6	282.7	280.7	274.8
40°	240.3	232.5	226.5	223.6
42.5°	188.1	181.2	179.3	175.3
45°	140.9	134.0	131.0	128.0
46°	123.1	116.2	113.3	111.3
47.5°	97.5	91.6	88.6	86.7
50°	60.1	54.2	51.2	49.2
52.5°	32.5	27.6	25.6	24.6
55°	16.7	16.7	16.7	15.8
57.5°	12.8	13.8	14.8	14.8
60°	10.8	11.8	11.8	12.8
62.5°	9.8	9.8	10.8	10.8
65°	7.9	7.9	8.9	8.9
67.5°	5.9	5.9	5.9	5.9
70°	3.9	3.0	3.0	3.0
72.5°	3.0	3.0	3.0	3.0
75°	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)