

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: P208562

Luminaire Tested: **XTOR1B-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P208562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27817)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR1B-W
Description: CROSSTOUR 12W WALL MOUNT LED

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1396.5 lumens
Efficiency: N/A
Efficacy: 114.5 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

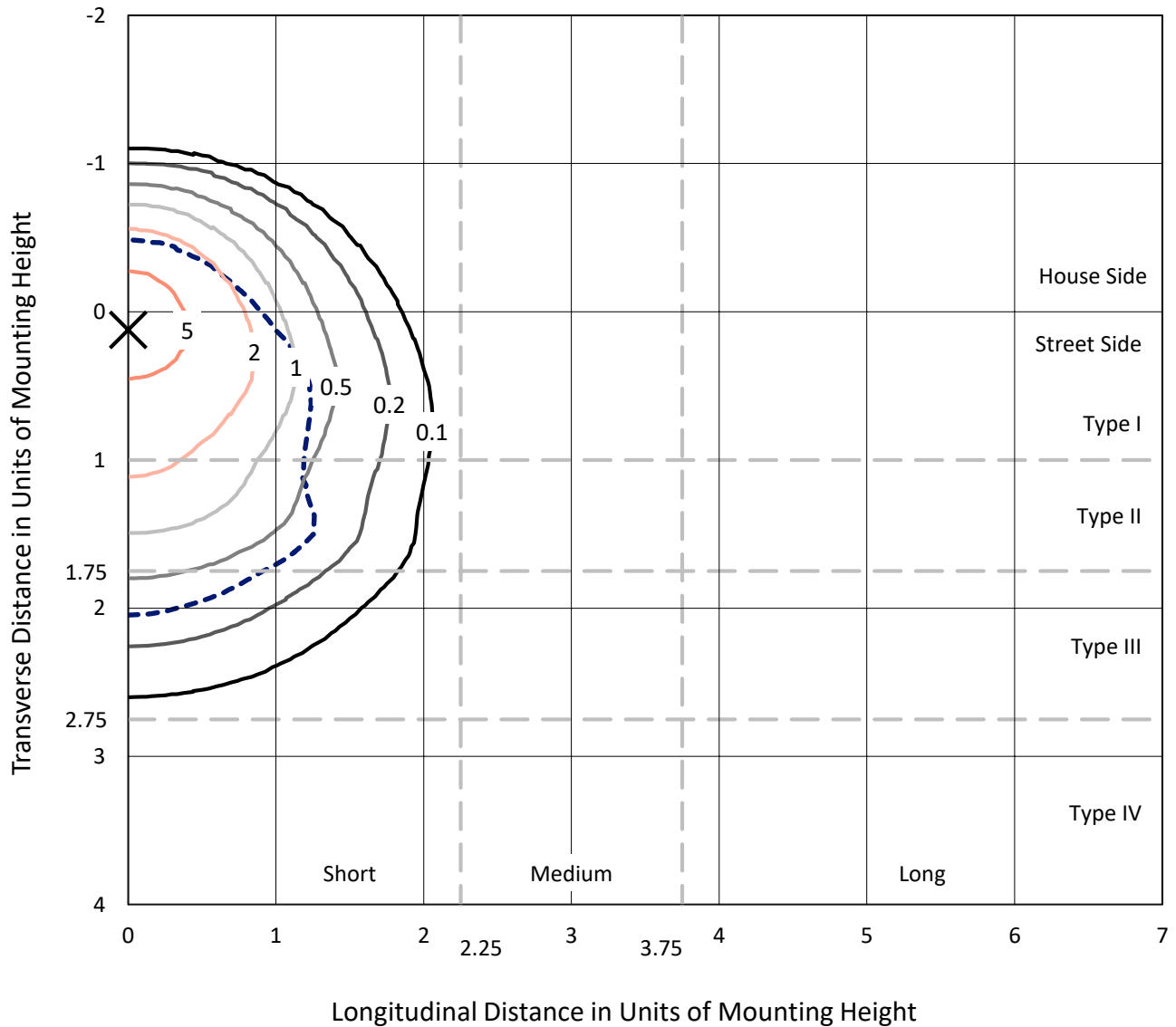
Input Watts (W): 12.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

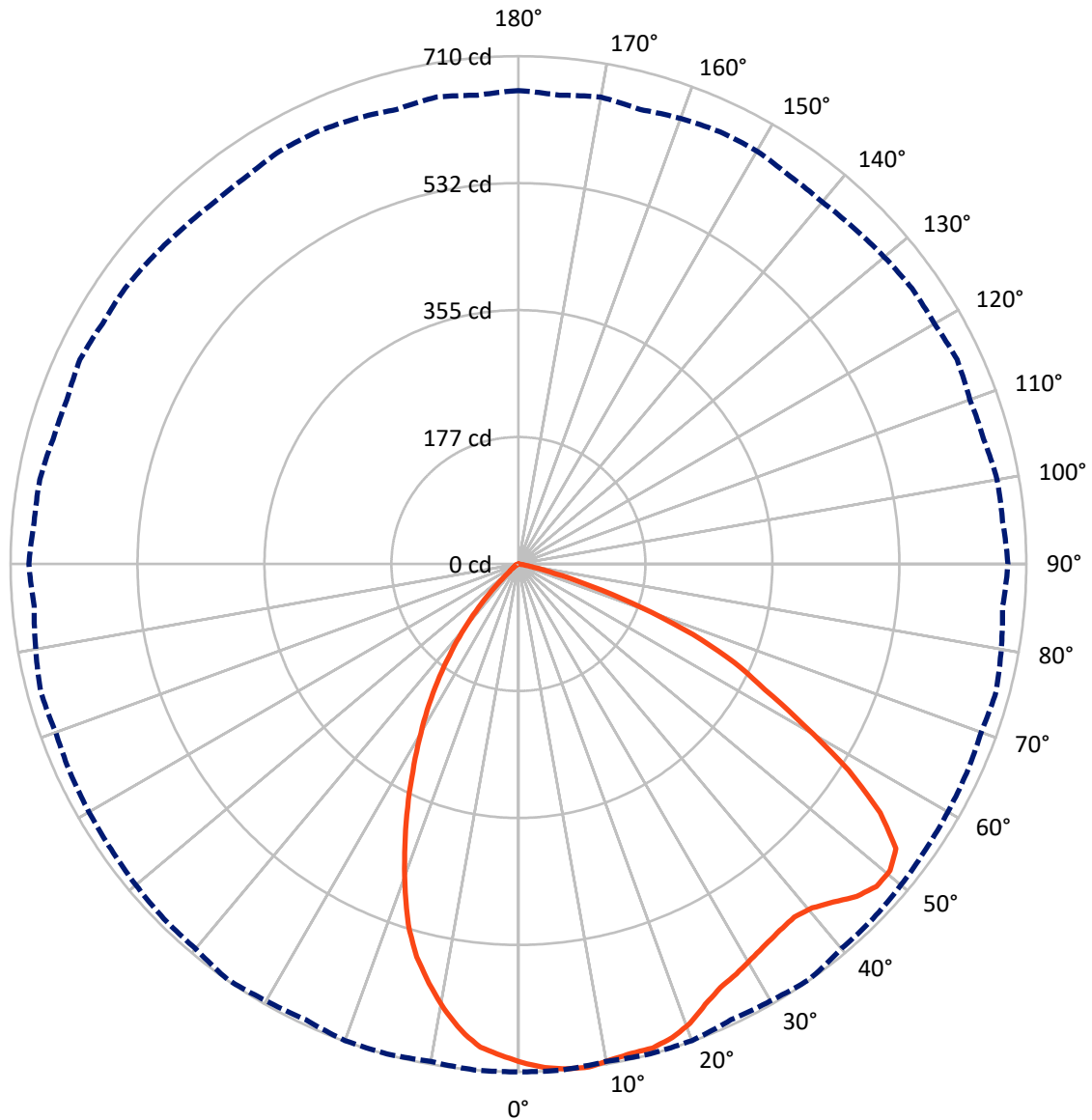
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 7-Deg Vertical

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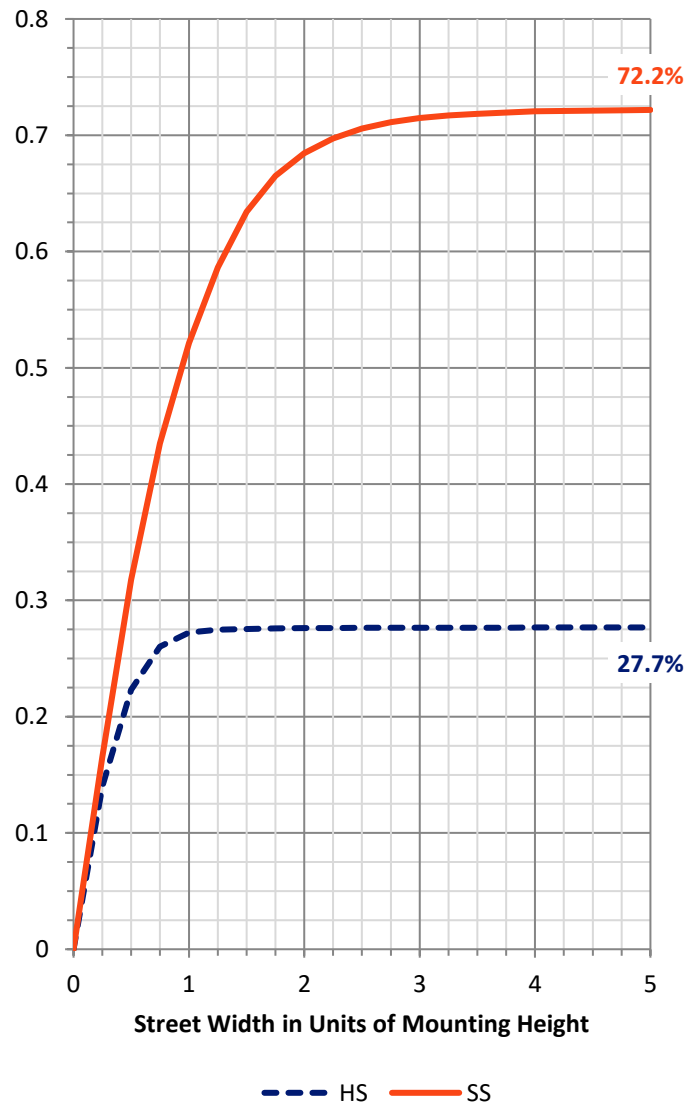
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	390.1	0.0	390.1
	% Fixture	27.9	0.0	27.9
Street Side	Lumens	1006.5	0.0	1006.5
	% Fixture	72.1	0.0	72.1
Total	Lumens	1396.5	0.0	1396.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	4.7
10°-20°	180.3	12.9
20°-30°	251.0	18.0
30°-40°	274.5	19.7
40°-50°	259.3	18.6
50°-60°	212.1	15.2
60°-70°	120.9	8.7
70°-80°	31.8	2.3
80°-90°	1.6	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°	1396.5	100.0
0°-180°	1396.5	100.0

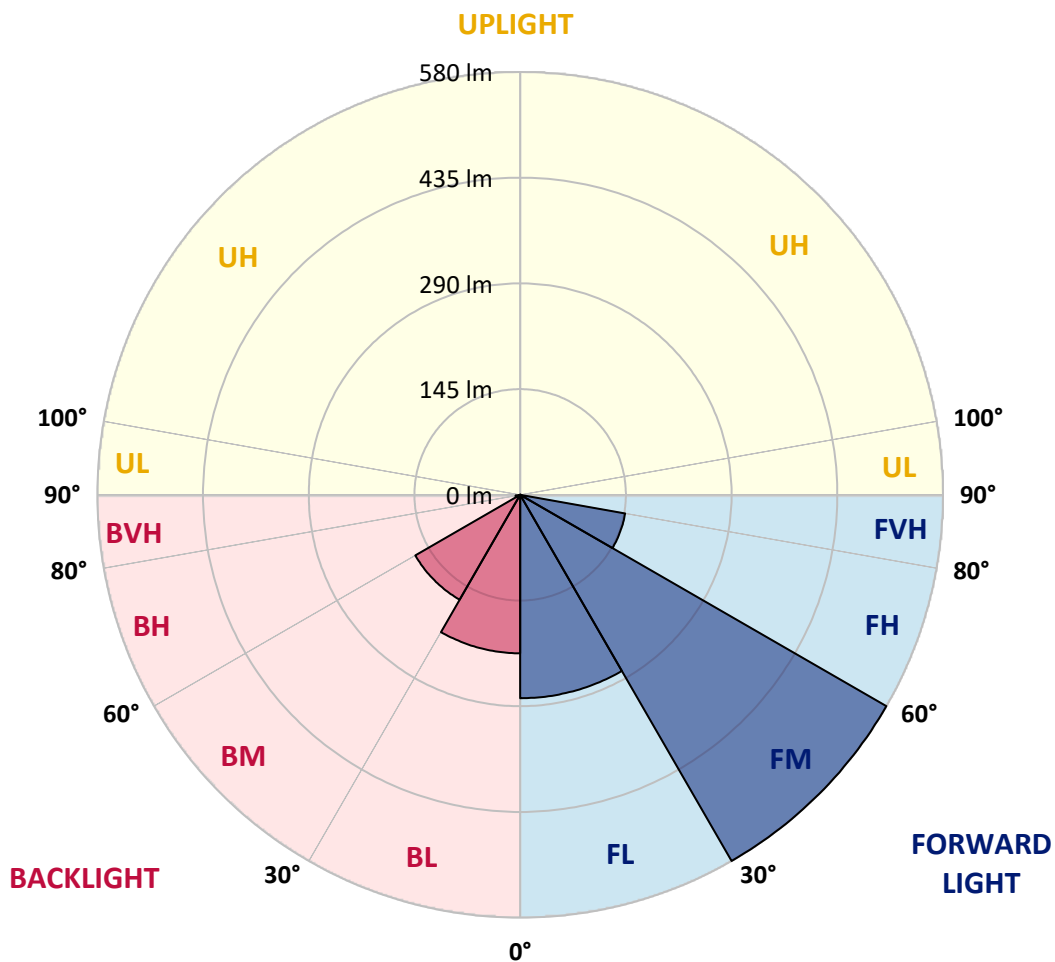


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.0	20.0			
FM	(30°-60°)	580.0	41.5			
FH	(60°-80°)	146.2	10.5			G0/660
FVH	(80°-90°)	1.3	0.1			G0/10
BL	(0°-30°)	217.3	15.6	B1/500		
BM	(30°-60°)	166.0	11.9	B0/220		
BH	(60°-80°)	6.4	0.5	B0/110		G0/110
BVH	(80°-90°)	0.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9
2.5°	704.8	704.8	699.9	703.8	702.8	697.9	698.9	703.8	697.9	696.9	694.9
5°	708.7	708.7	703.8	707.7	706.7	700.8	701.8	706.7	699.9	698.9	695.9
7°	709.7	709.7	705.8	708.7	708.7	702.8	704.8	708.7	701.8	700.8	697.9
7.5°	709.7	708.7	703.8	707.7	707.7	701.8	703.8	707.7	700.8	699.9	696.9
10°	704.8	704.8	699.9	703.8	702.8	696.9	698.9	701.8	694.9	693.9	692.0
12.5°	701.8	701.8	697.9	700.8	699.9	693.9	694.9	698.9	692.0	691.0	688.0
15°	701.8	700.8	696.9	700.8	700.8	694.9	696.9	699.9	693.0	692.0	687.1
17.5°	695.9	695.9	691.0	693.9	693.0	688.0	690.0	693.9	688.0	686.1	682.1
20°	685.1	685.1	681.2	683.1	682.1	677.2	680.2	685.1	679.2	677.2	674.3
22.5°	668.4	668.4	665.4	670.3	671.3	666.4	668.4	675.2	671.3	669.3	666.4
25°	655.6	655.6	652.6	656.5	658.5	655.6	659.5	664.4	663.4	664.4	663.4
27.5°	648.7	647.7	644.7	646.7	646.7	644.7	648.7	653.6	651.6	655.6	656.5
30°	640.8	639.8	636.9	640.8	639.8	634.9	636.9	643.7	639.8	642.8	644.7
32.5°	633.9	633.9	631.0	632.9	631.9	627.0	628.0	631.9	628.0	628.0	630.0
35°	629.0	629.0	626.0	629.0	627.0	619.1	619.1	622.1	617.2	615.2	615.2
37.5°	626.0	626.0	622.1	624.1	622.1	614.2	612.3	612.3	604.4	598.5	597.5
40°	631.9	630.0	626.0	623.1	616.2	606.3	603.4	600.4	589.6	581.7	574.8
42.5°	645.7	644.7	636.9	628.0	613.2	597.5	589.6	585.7	572.9	561.1	552.2
45°	662.5	658.5	646.7	635.9	613.2	590.6	575.8	566.0	550.2	538.4	526.6
47.5°	673.3	670.3	660.5	644.7	619.1	586.7	565.0	546.3	526.6	512.8	498.1
50°	673.3	670.3	661.5	649.7	623.1	586.7	554.2	526.6	499.1	481.3	464.6
52.5°	660.5	657.5	650.6	639.8	619.1	584.7	549.3	508.9	470.5	446.9	428.2
55°	613.2	615.2	613.2	606.3	595.5	571.9	542.4	497.1	444.9	411.4	389.8
57.5°	544.3	548.3	542.4	542.4	540.4	527.6	515.8	484.3	426.2	376.0	350.4
60°	458.7	461.6	458.7	458.7	456.7	454.8	453.8	444.9	410.5	346.5	308.1
62.5°	386.8	386.8	382.9	380.9	379.0	372.1	375.0	375.0	366.2	323.8	269.7
65°	331.7	330.7	325.8	318.9	314.0	303.2	298.3	297.3	298.3	287.4	243.1
67.5°	262.8	263.8	259.9	256.9	255.9	247.1	239.2	230.3	226.4	225.4	210.6
70°	182.1	180.1	182.1	185.1	185.1	183.1	183.1	179.1	171.3	162.4	160.4
72.5°	107.3	109.3	109.3	114.2	117.1	119.1	125.0	124.0	123.0	116.2	110.2
75°	52.2	52.2	53.2	57.1	61.0	63.0	70.9	71.9	74.8	73.8	71.9
77.5°	21.7	21.7	21.7	23.6	23.6	24.6	27.6	31.5	34.5	38.4	40.4
80°	8.9	8.9	8.9	8.9	8.9	7.9	8.9	8.9	10.8	12.8	15.7
82.5°	3.0	3.0	3.0	3.9	3.9	3.9	3.0	3.0	3.0	3.0	3.9
85°	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	1.0	0.0	1.0	0.0	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



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 CATALOG NUMBER: XTOR1B-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9
2.5°	693.0	691.0	690.0	688.0	692.0	686.1	682.1	689.0	686.1	688.0	684.1
5°	693.9	692.0	691.0	688.0	691.0	685.1	681.2	687.1	683.1	684.1	679.2
7°	694.9	693.0	691.0	688.0	691.0	685.1	679.2	684.1	679.2	679.2	673.3
7.5°	694.9	692.0	690.0	687.1	690.0	683.1	678.2	682.1	676.2	677.2	669.3
10°	690.0	687.1	685.1	682.1	685.1	678.2	671.3	675.2	667.4	664.4	656.5
12.5°	685.1	683.1	681.2	670.3	680.2	673.3	665.4	667.4	659.5	655.6	644.7
15°	684.1	682.1	679.2	675.2	677.2	668.4	659.5	660.5	651.6	644.7	632.9
17.5°	679.2	676.2	671.3	667.4	667.4	657.5	647.7	646.7	634.9	625.0	612.3
20°	670.3	666.4	660.5	654.6	653.6	640.8	629.0	622.1	609.3	599.5	584.7
22.5°	662.5	657.5	650.6	641.8	636.9	621.1	607.3	597.5	583.7	569.9	553.2
25°	658.5	652.6	642.8	631.9	622.1	604.4	585.7	574.8	558.1	541.4	521.7
27.5°	654.6	646.7	635.9	621.1	609.3	587.6	567.0	552.2	530.6	509.9	487.2
30°	643.7	636.9	624.1	608.3	593.5	568.0	543.3	522.7	498.1	473.5	448.9
32.5°	629.0	622.1	608.3	590.6	572.9	544.3	514.8	490.2	463.6	436.1	408.5
35°	613.2	608.3	592.6	568.9	550.2	517.8	483.3	455.7	425.2	396.7	371.1
37.5°	596.5	591.6	575.8	549.3	523.7	487.2	450.8	420.3	387.8	361.2	333.7
40°	572.9	568.0	553.2	525.6	495.1	453.8	414.4	381.9	351.4	323.8	297.3
42.5°	545.3	539.4	525.6	495.1	463.6	418.3	378.0	347.5	315.0	288.4	262.8
45°	514.8	506.9	492.2	463.6	429.2	382.9	340.6	308.1	279.5	254.0	229.3
47.5°	482.3	473.5	459.7	430.2	395.7	346.5	304.2	273.6	247.1	220.5	196.9
50°	446.9	433.1	420.3	391.8	357.3	310.1	268.7	241.2	211.6	190.0	167.3
52.5°	409.5	392.7	377.0	352.4	319.9	274.6	234.3	203.8	181.1	158.5	135.8
55°	369.1	351.4	335.7	311.0	281.5	238.2	196.9	174.2	150.6	127.0	107.3
57.5°	326.8	309.1	291.4	272.7	242.1	200.8	166.4	142.7	119.1	98.4	79.7
60°	284.5	264.8	248.1	225.4	200.8	165.4	133.9	111.2	90.6	70.9	54.1
62.5°	242.1	225.4	203.8	185.1	161.4	129.9	103.4	82.7	64.0	48.2	31.5
65°	199.8	183.1	164.4	145.7	123.0	96.5	73.8	57.1	40.4	25.6	14.8
67.5°	168.3	146.7	127.0	107.3	86.6	65.9	49.2	34.5	20.7	11.8	5.9
70°	139.8	111.2	92.5	74.8	58.1	42.3	29.5	16.7	8.9	4.9	3.9
72.5°	105.3	84.7	64.0	49.2	35.4	23.6	13.8	6.9	3.9	3.0	3.0
75°	66.9	56.1	40.4	28.5	18.7	9.8	4.9	3.9	3.0	3.0	3.0
77.5°	37.4	31.5	22.6	13.8	7.9	3.9	3.9	3.0	3.0	2.0	2.0
80°	15.7	13.8	8.9	4.9	3.9	3.0	2.0	2.0	2.0	2.0	1.0
82.5°	3.9	3.0	3.0	3.0	3.0	2.0	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	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9
2.5°	685.1	691.0	690.0	691.0	689.0	686.1	684.1	686.1	691.0	691.0	687.1
5°	680.2	685.1	682.1	683.1	679.2	676.2	674.3	675.2	681.2	680.2	676.2
7°	671.3	676.2	671.3	671.3	667.4	663.4	660.5	661.5	666.4	666.4	662.5
7.5°	668.4	671.3	667.4	667.4	663.4	659.5	656.5	656.5	661.5	661.5	657.5
10°	652.6	654.6	648.7	646.7	640.8	636.9	632.9	631.9	635.9	634.9	631.0
12.5°	638.8	637.8	631.0	628.0	621.1	616.2	610.3	609.3	611.3	608.3	602.4
15°	624.1	622.1	613.2	608.3	600.4	592.6	585.7	581.7	582.7	578.8	572.9
17.5°	602.4	597.5	587.6	579.8	568.0	561.1	552.2	548.3	547.3	539.4	533.5
20°	572.9	566.0	554.2	544.3	530.6	520.7	510.9	506.9	503.0	493.1	487.2
22.5°	538.4	527.6	514.8	502.0	486.3	474.4	463.6	458.7	452.8	442.0	434.1
25°	504.0	490.2	473.5	458.7	441.0	427.2	414.4	407.5	400.6	390.8	382.9
27.5°	466.6	450.8	432.1	416.4	396.7	380.9	367.2	359.3	353.4	344.5	336.6
30°	426.2	410.5	392.7	375.0	355.3	340.6	328.8	319.9	312.0	302.2	294.3
32.5°	386.8	371.1	350.4	331.7	314.0	299.2	290.4	278.6	272.7	261.8	253.0
35°	346.5	327.8	307.1	291.4	275.6	260.8	249.0	240.2	232.3	221.5	213.6
37.5°	308.1	291.4	272.7	256.9	241.2	224.4	211.6	200.8	192.9	183.1	175.2
40°	273.6	256.9	238.2	220.5	204.7	189.0	176.2	165.4	156.5	144.7	136.8
42.5°	242.1	221.5	202.8	188.0	171.3	155.5	141.7	129.9	120.1	110.2	102.4
45°	205.7	189.0	171.3	155.5	137.8	122.1	109.3	97.4	88.6	77.8	70.9
47.5°	177.2	159.5	140.8	124.0	107.3	91.5	78.7	66.9	58.1	50.2	42.3
50°	147.6	128.9	110.2	94.5	77.8	64.0	52.2	41.3	33.5	26.6	21.7
52.5°	117.1	99.4	81.7	66.9	51.2	39.4	29.5	21.7	16.7	12.8	11.8
55°	89.6	72.8	56.1	42.3	30.5	21.7	14.8	10.8	8.9	8.9	7.9
57.5°	64.0	48.2	33.5	23.6	15.7	9.8	7.9	6.9	5.9	5.9	4.9
60°	40.4	27.6	16.7	10.8	6.9	5.9	5.9	4.9	4.9	4.9	4.9
62.5°	20.7	11.8	7.9	5.9	5.9	4.9	3.9	3.9	3.9	3.9	3.9
65°	8.9	5.9	4.9	4.9	3.9	3.9	3.9	3.0	3.0	3.0	3.0
67.5°	4.9	3.9	3.9	3.9	3.0	3.0	3.0	3.0	2.0	2.0	2.0
70°	3.9	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	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: P208562
 CATALOG NUMBER: XTOR1B-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	696.9	696.9	696.9	696.9
2.5°	683.1	688.0	684.1	687.1
5°	672.3	677.2	673.3	677.2
7°	657.5	662.5	657.5	661.5
7.5°	652.6	656.5	652.6	656.5
10°	626.0	630.0	625.0	630.0
12.5°	597.5	601.4	597.5	599.5
15°	566.0	567.0	564.0	567.0
17.5°	526.6	526.6	523.7	526.6
20°	476.4	478.4	474.4	475.4
22.5°	424.2	425.2	421.3	423.3
25°	373.1	374.0	371.1	373.1
27.5°	327.8	327.8	323.8	324.8
30°	285.5	284.5	279.5	280.5
32.5°	246.1	244.1	241.2	240.2
35°	205.7	203.8	199.8	199.8
37.5°	167.3	165.4	161.4	160.4
40°	131.9	128.0	124.0	124.0
42.5°	96.5	92.5	90.6	88.6
45°	65.9	60.0	58.1	57.1
47.5°	38.4	34.5	32.5	30.5
50°	18.7	17.7	17.7	17.7
52.5°	11.8	12.8	12.8	12.8
55°	8.9	8.9	8.9	8.9
57.5°	5.9	6.9	6.9	6.9
60°	4.9	4.9	5.9	5.9
62.5°	3.9	3.9	3.9	3.9
65°	3.0	3.0	3.0	3.0
67.5°	2.0	3.0	3.0	3.0
70°	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0
75°	1.0	2.0	2.0	2.0
77.5°	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0
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)