

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: P218830

Luminaire Tested: **XTOR1B-Y**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218830
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-Y
Description: CROSSTOUR WALL MOUNT LED

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1327 lumens
Efficiency: N/A
Efficacy: 108.8 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

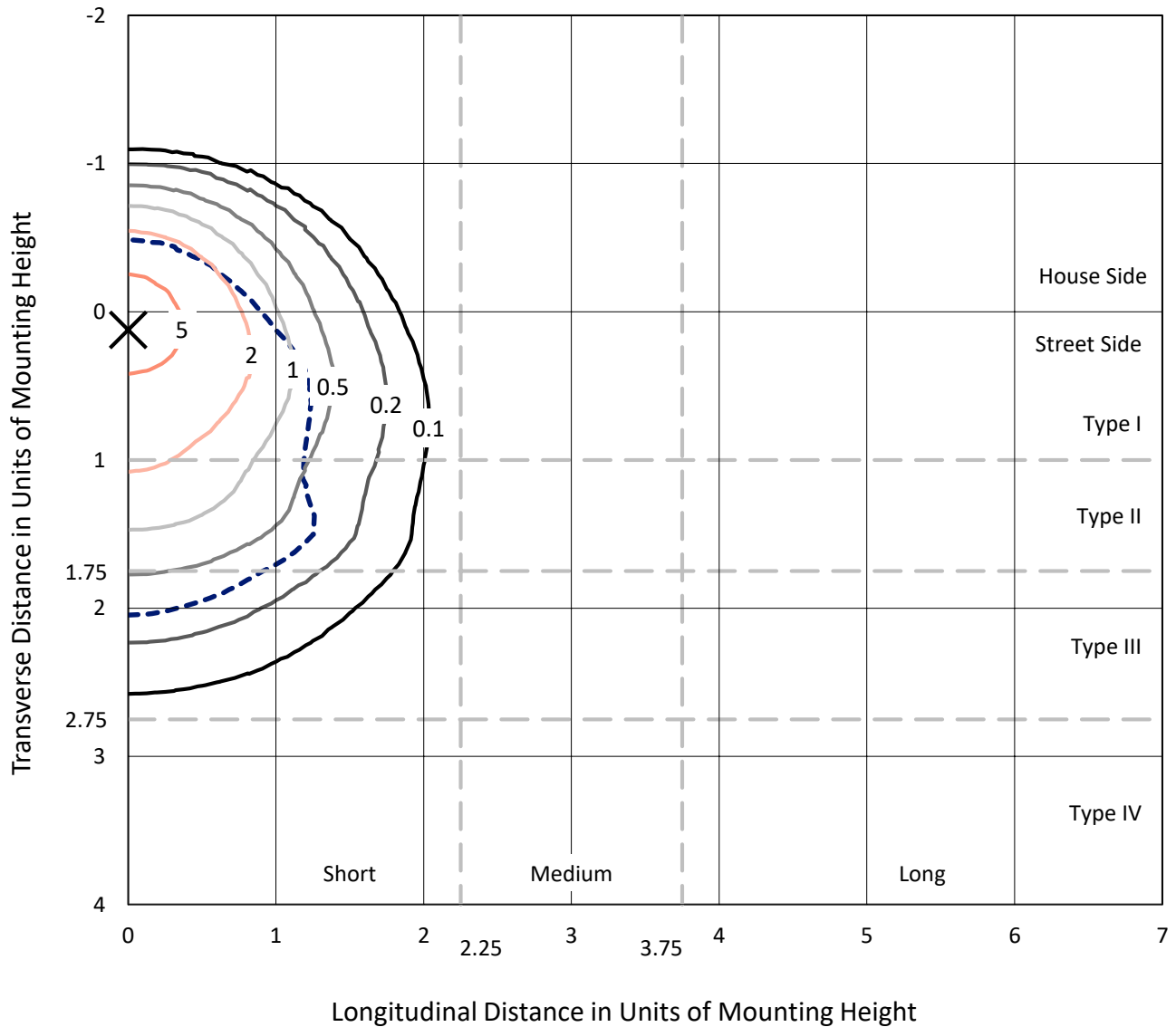
Input Watts (W): 12.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

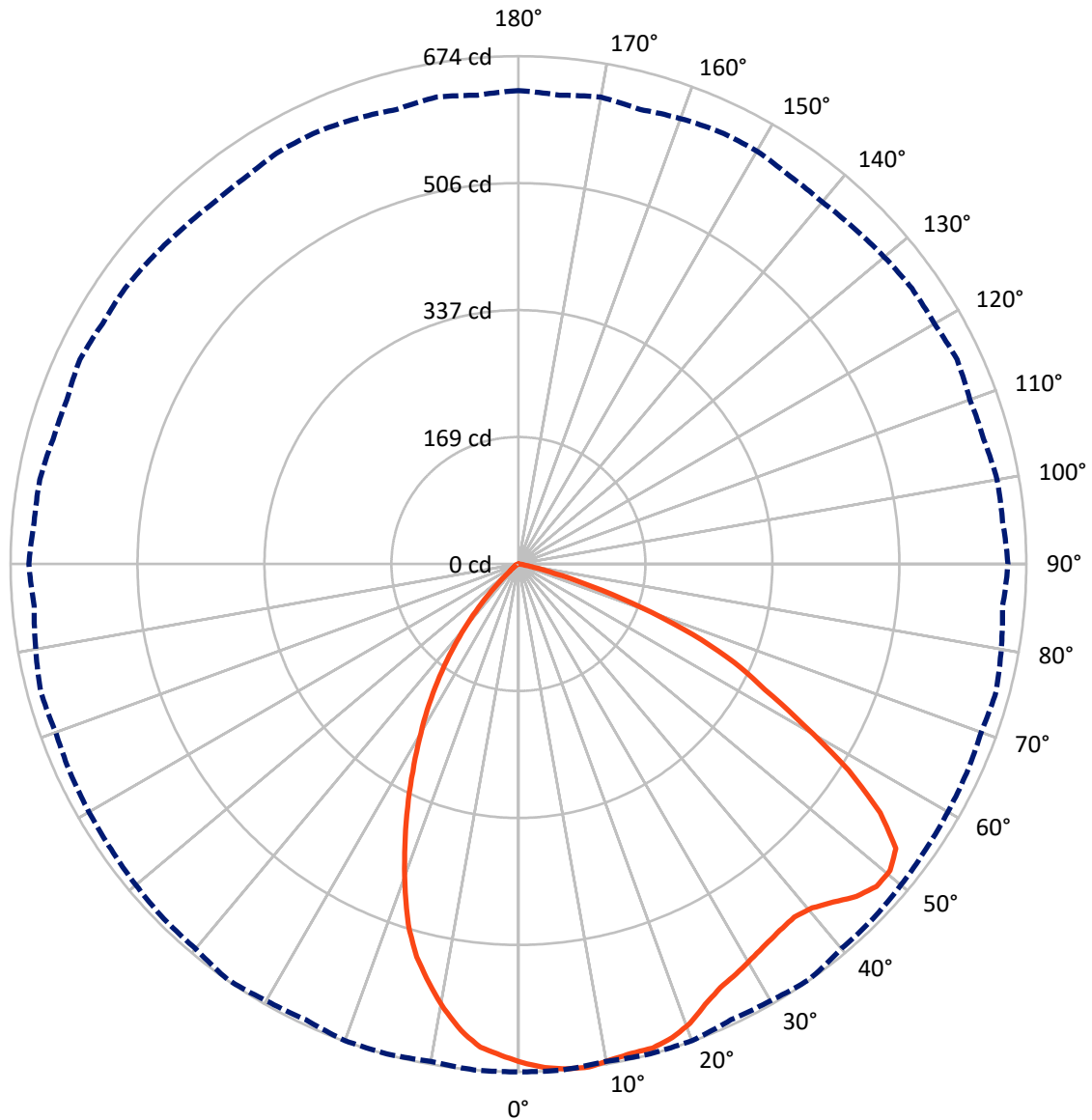
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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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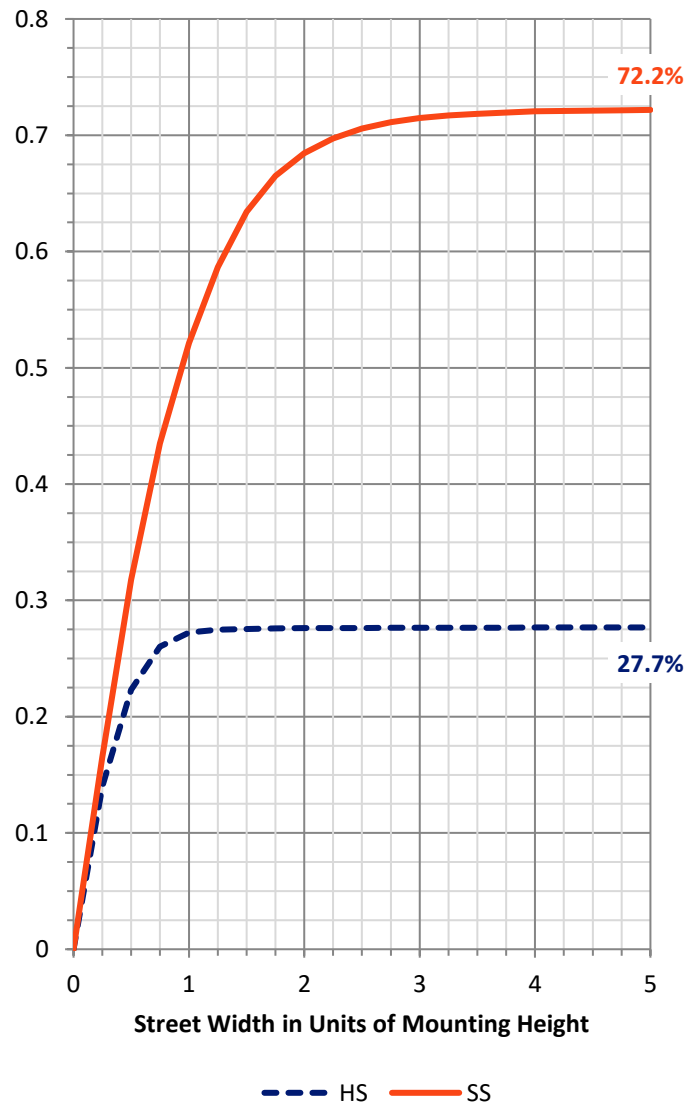
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	370.6	0.0	370.6
	% Fixture	27.9	0.0	27.9
Street Side	Lumens	956.4	0.0	956.4
	% Fixture	72.1	0.0	72.1
Total	Lumens	1327.0	0.0	1327.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	4.7
10°-20°	171.3	12.9
20°-30°	238.5	18.0
30°-40°	260.9	19.7
40°-50°	246.4	18.6
50°-60°	201.6	15.2
60°-70°	114.9	8.7
70°-80°	30.2	2.3
80°-90°	1.5	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°	1327.0	100.0
0°-180°	1327.0	100.0

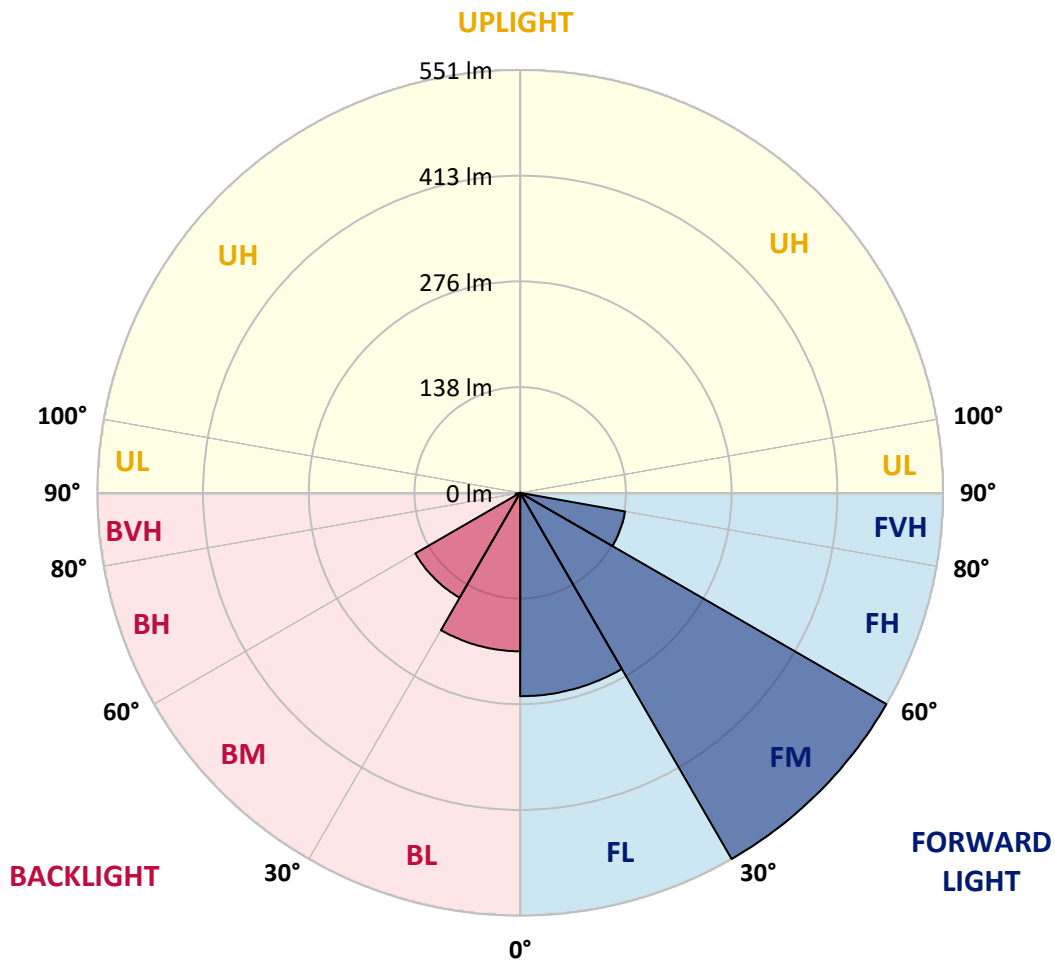


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.1	20.0			
FM	(30°-60°)	551.1	41.5			
FH	(60°-80°)	139.0	10.5			G0/660
FVH	(80°-90°)	1.2	0.1			G0/10
BL	(0°-30°)	206.5	15.6	B1/500		
BM	(30°-60°)	157.8	11.9	B0/220		
BH	(60°-80°)	6.1	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°	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2
2.5°	669.7	669.7	665.0	668.8	667.8	663.2	664.1	668.8	663.2	662.2	660.4
5°	673.5	673.5	668.8	672.5	671.6	666.0	666.9	671.6	665.0	664.1	661.3
7°	674.4	674.4	670.6	673.5	673.5	667.8	669.7	673.5	666.9	666.0	663.2
7.5°	674.4	673.5	668.8	672.5	672.5	666.9	668.8	672.5	666.0	665.0	662.2
10°	669.7	669.7	665.0	668.8	667.8	662.2	664.1	666.9	660.4	659.4	657.6
12.5°	666.9	666.9	663.2	666.0	665.0	659.4	660.4	664.1	657.6	656.6	653.8
15°	666.9	666.0	662.2	666.0	666.0	660.4	662.2	665.0	658.5	657.6	652.9
17.5°	661.3	661.3	656.6	659.4	658.5	653.8	655.7	659.4	653.8	651.9	648.2
20°	651.0	651.0	647.3	649.1	648.2	643.5	646.3	651.0	645.4	643.5	640.7
22.5°	635.1	635.1	632.3	637.0	637.9	633.2	635.1	641.7	637.9	636.0	633.2
25°	622.9	622.9	620.1	623.9	625.7	622.9	626.7	631.4	630.4	631.4	630.4
27.5°	616.4	615.5	612.7	614.5	614.5	612.7	616.4	621.1	619.2	622.9	623.9
30°	608.9	608.0	605.2	608.9	608.0	603.3	605.2	611.7	608.0	610.8	612.7
32.5°	602.4	602.4	599.6	601.4	600.5	595.8	596.8	600.5	596.8	596.8	598.6
35°	597.7	597.7	594.9	597.7	595.8	588.3	588.3	591.1	586.5	584.6	584.6
37.5°	594.9	594.9	591.1	593.0	591.1	583.7	581.8	581.8	574.3	568.7	567.8
40°	600.5	598.6	594.9	592.1	585.5	576.2	573.4	570.6	560.3	552.8	546.2
42.5°	613.6	612.7	605.2	596.8	582.7	567.8	560.3	556.5	544.4	533.1	524.7
45°	629.5	625.7	614.5	604.2	582.7	561.2	547.2	537.8	522.9	511.6	500.4
47.5°	639.8	637.0	627.6	612.7	588.3	557.5	536.9	519.1	500.4	487.3	473.3
50°	639.8	637.0	628.6	617.3	592.1	557.5	526.6	500.4	474.2	457.4	441.5
52.5°	627.6	624.8	618.3	608.0	588.3	555.6	521.9	483.6	447.1	424.6	406.9
55°	582.7	584.6	582.7	576.2	565.9	543.4	515.4	472.4	422.8	391.0	370.4
57.5°	517.2	521.0	515.4	515.4	513.5	501.3	490.1	460.2	405.0	357.3	333.0
60°	435.9	438.7	435.9	435.9	434.0	432.1	431.2	422.8	390.0	329.2	292.8
62.5°	367.6	367.6	363.9	362.0	360.1	353.6	356.4	356.4	348.0	307.7	256.3
65°	315.2	314.3	309.6	303.1	298.4	288.1	283.4	282.5	283.4	273.1	231.0
67.5°	249.7	250.7	246.9	244.1	243.2	234.8	227.3	218.9	215.1	214.2	200.2
70°	173.0	171.2	173.0	175.8	175.8	174.0	174.0	170.2	162.8	154.3	152.5
72.5°	102.0	103.8	103.8	108.5	111.3	113.2	118.8	117.9	116.9	110.4	104.8
75°	49.6	49.6	50.5	54.3	58.0	59.9	67.3	68.3	71.1	70.2	68.3
77.5°	20.6	20.6	20.6	22.4	22.4	23.4	26.2	29.9	32.7	36.5	38.3
80°	8.4	8.4	8.4	8.4	8.4	7.5	8.4	8.4	10.3	12.2	15.0
82.5°	2.8	2.8	2.8	3.7	3.7	3.7	2.8	2.8	2.8	2.8	3.7
85°	0.9	0.9	0.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.9	0.0	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2
2.5°	658.5	656.6	655.7	653.8	657.6	651.9	648.2	654.7	651.9	653.8	650.1
5°	659.4	657.6	656.6	653.8	656.6	651.0	647.3	652.9	649.1	650.1	645.4
7°	660.4	658.5	656.6	653.8	656.6	651.0	645.4	650.1	645.4	645.4	639.8
7.5°	660.4	657.6	655.7	652.9	655.7	649.1	644.5	648.2	642.6	643.5	636.0
10°	655.7	652.9	651.0	648.2	651.0	644.5	637.9	641.7	634.2	631.4	623.9
12.5°	651.0	649.1	647.3	637.0	646.3	639.8	632.3	634.2	626.7	622.9	612.7
15°	650.1	648.2	645.4	641.7	643.5	635.1	626.7	627.6	619.2	612.7	601.4
17.5°	645.4	642.6	637.9	634.2	634.2	624.8	615.5	614.5	603.3	593.9	581.8
20°	637.0	633.2	627.6	622.0	621.1	608.9	597.7	591.1	579.0	569.6	555.6
22.5°	629.5	624.8	618.3	609.8	605.2	590.2	577.1	567.8	554.7	541.6	525.7
25°	625.7	620.1	610.8	600.5	591.1	574.3	556.5	546.2	530.3	514.4	495.7
27.5°	622.0	614.5	604.2	590.2	579.0	558.4	538.8	524.7	504.2	484.5	463.0
30°	611.7	605.2	593.0	578.0	564.0	539.7	516.3	496.7	473.3	449.9	426.5
32.5°	597.7	591.1	578.0	561.2	544.4	517.2	489.2	465.8	440.5	414.4	388.2
35°	582.7	578.0	563.1	540.6	522.9	492.0	459.3	433.1	404.1	376.9	352.6
37.5°	566.8	562.1	547.2	521.9	497.6	463.0	428.4	399.4	368.5	343.3	317.1
40°	544.4	539.7	525.7	499.5	470.5	431.2	393.8	362.9	333.9	307.7	282.5
42.5°	518.2	512.6	499.5	470.5	440.5	397.5	359.2	330.2	299.3	274.1	249.7
45°	489.2	481.7	467.7	440.5	407.8	363.9	323.6	292.8	265.6	241.3	217.9
47.5°	458.3	449.9	436.8	408.7	376.0	329.2	289.0	260.0	234.8	209.5	187.1
50°	424.6	411.6	399.4	372.3	339.5	294.6	255.4	229.2	201.1	180.5	159.0
52.5°	389.1	373.2	358.2	334.9	304.0	261.0	222.6	193.6	172.1	150.6	129.1
55°	350.8	333.9	319.0	295.6	267.5	226.4	187.1	165.6	143.1	120.7	102.0
57.5°	310.5	293.7	276.9	259.1	230.1	190.8	158.1	135.6	113.2	93.5	75.8
60°	270.3	251.6	235.7	214.2	190.8	157.1	127.2	105.7	86.1	67.3	51.4
62.5°	230.1	214.2	193.6	175.8	153.4	123.5	98.2	78.6	60.8	45.8	29.9
65°	189.9	174.0	156.2	138.4	116.9	91.7	70.2	54.3	38.3	24.3	14.0
67.5°	159.9	139.4	120.7	102.0	82.3	62.7	46.8	32.7	19.6	11.2	5.6
70°	132.8	105.7	87.9	71.1	55.2	40.2	28.1	15.9	8.4	4.7	3.7
72.5°	100.1	80.4	60.8	46.8	33.7	22.4	13.1	6.5	3.7	2.8	2.8
75°	63.6	53.3	38.3	27.1	17.8	9.4	4.7	3.7	2.8	2.8	2.8
77.5°	35.5	29.9	21.5	13.1	7.5	3.7	3.7	2.8	2.8	1.9	1.9
80°	15.0	13.1	8.4	4.7	3.7	2.8	1.9	1.9	1.9	1.9	0.9
82.5°	3.7	2.8	2.8	2.8	2.8	1.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2
2.5°	651.0	656.6	655.7	656.6	654.7	651.9	650.1	651.9	656.6	656.6	652.9
5°	646.3	651.0	648.2	649.1	645.4	642.6	640.7	641.7	647.3	646.3	642.6
7°	637.9	642.6	637.9	637.9	634.2	630.4	627.6	628.6	633.2	633.2	629.5
7.5°	635.1	637.9	634.2	634.2	630.4	626.7	623.9	623.9	628.6	628.6	624.8
10°	620.1	622.0	616.4	614.5	608.9	605.2	601.4	600.5	604.2	603.3	599.6
12.5°	607.0	606.1	599.6	596.8	590.2	585.5	579.9	579.0	580.9	578.0	572.4
15°	593.0	591.1	582.7	578.0	570.6	563.1	556.5	552.8	553.7	550.0	544.4
17.5°	572.4	567.8	558.4	550.9	539.7	533.1	524.7	521.0	520.1	512.6	507.0
20°	544.4	537.8	526.6	517.2	504.2	494.8	485.4	481.7	478.0	468.6	463.0
22.5°	511.6	501.3	489.2	477.0	462.1	450.8	440.5	435.9	430.3	420.0	412.5
25°	478.9	465.8	449.9	435.9	419.0	405.9	393.8	387.2	380.7	371.3	363.9
27.5°	443.4	428.4	410.6	395.7	376.9	362.0	348.9	341.4	335.8	327.4	319.9
30°	405.0	390.0	373.2	356.4	337.7	323.6	312.4	304.0	296.5	287.2	279.7
32.5°	367.6	352.6	333.0	315.2	298.4	284.3	275.9	264.7	259.1	248.8	240.4
35°	329.2	311.5	291.8	276.9	261.9	247.9	236.6	228.2	220.7	210.5	203.0
37.5°	292.8	276.9	259.1	244.1	229.2	213.3	201.1	190.8	183.3	174.0	166.5
40°	260.0	244.1	226.4	209.5	194.6	179.6	167.4	157.1	148.7	137.5	130.0
42.5°	230.1	210.5	192.7	178.7	162.8	147.8	134.7	123.5	114.1	104.8	97.3
45°	195.5	179.6	162.8	147.8	130.9	116.0	103.8	92.6	84.2	73.9	67.3
47.5°	168.4	151.5	133.8	117.9	102.0	87.0	74.8	63.6	55.2	47.7	40.2
50°	140.3	122.5	104.8	89.8	73.9	60.8	49.6	39.3	31.8	25.3	20.6
52.5°	111.3	94.5	77.6	63.6	48.6	37.4	28.1	20.6	15.9	12.2	11.2
55°	85.1	69.2	53.3	40.2	29.0	20.6	14.0	10.3	8.4	8.4	7.5
57.5°	60.8	45.8	31.8	22.4	15.0	9.4	7.5	6.5	5.6	5.6	4.7
60°	38.3	26.2	15.9	10.3	6.5	5.6	5.6	4.7	4.7	4.7	4.7
62.5°	19.6	11.2	7.5	5.6	5.6	4.7	3.7	3.7	3.7	3.7	3.7
65°	8.4	5.6	4.7	4.7	3.7	3.7	3.7	2.8	2.8	2.8	2.8
67.5°	4.7	3.7	3.7	3.7	2.8	2.8	2.8	2.8	1.9	1.9	1.9
70°	3.7	2.8	2.8	2.8	2.8	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	2.8	2.8	2.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	2.8	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	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: P218830
 CATALOG NUMBER: XTOR1B-Y

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	662.2	662.2	662.2	662.2
2.5°	649.1	653.8	650.1	652.9
5°	638.8	643.5	639.8	643.5
7°	624.8	629.5	624.8	628.6
7.5°	620.1	623.9	620.1	623.9
10°	594.9	598.6	593.9	598.6
12.5°	567.8	571.5	567.8	569.6
15°	537.8	538.8	536.0	538.8
17.5°	500.4	500.4	497.6	500.4
20°	452.7	454.6	450.8	451.8
22.5°	403.1	404.1	400.3	402.2
25°	354.5	355.4	352.6	354.5
27.5°	311.5	311.5	307.7	308.7
30°	271.3	270.3	265.6	266.6
32.5°	233.8	232.0	229.2	228.2
35°	195.5	193.6	189.9	189.9
37.5°	159.0	157.1	153.4	152.5
40°	125.3	121.6	117.9	117.9
42.5°	91.7	87.9	86.1	84.2
45°	62.7	57.1	55.2	54.3
47.5°	36.5	32.7	30.9	29.0
50°	17.8	16.8	16.8	16.8
52.5°	11.2	12.2	12.2	12.2
55°	8.4	8.4	8.4	8.4
57.5°	5.6	6.5	6.5	6.5
60°	4.7	4.7	5.6	5.6
62.5°	3.7	3.7	3.7	3.7
65°	2.8	2.8	2.8	2.8
67.5°	1.9	2.8	2.8	2.8
70°	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9
75°	0.9	1.9	1.9	1.9
77.5°	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9
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)