

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: P208565

Luminaire Tested: **XTOR2B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P208565
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
Description: CROSSTOUR 18W WALL MOUNT LED

Light Source: EATON LED 5000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2135 lumens
Efficiency: N/A
Efficacy: 117.3 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

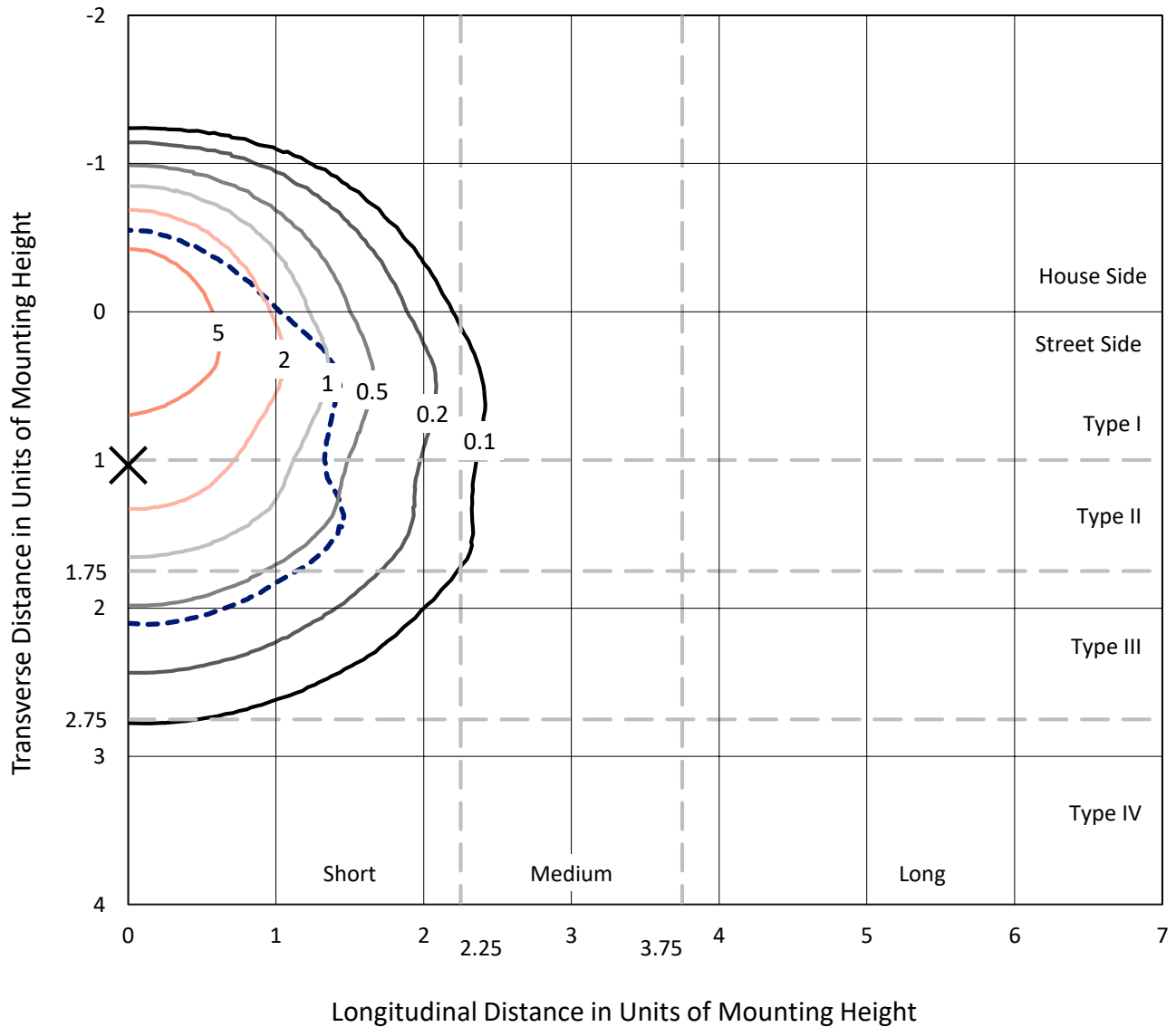
Input Watts (W): 18.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P208565
 CATALOG NUMBER: XTOR2B

Iso-Footcandle Lines of Horizontal Illumination

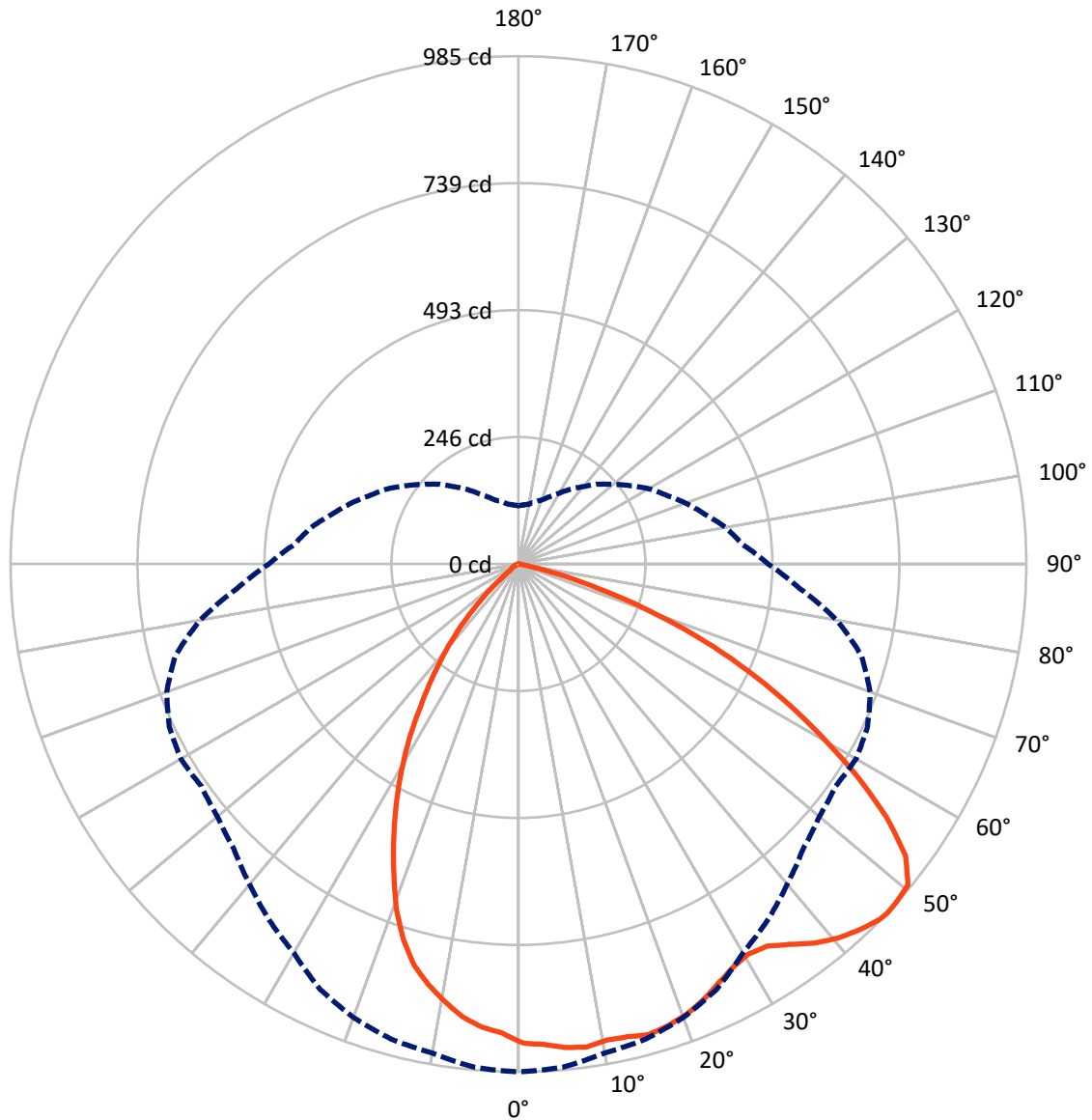
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P208565
CATALOG NUMBER: XTOR2B

Luminous Intensity Polar Plot



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

REPORT NUMBER: P208565
 CATALOG NUMBER: XTOR2B

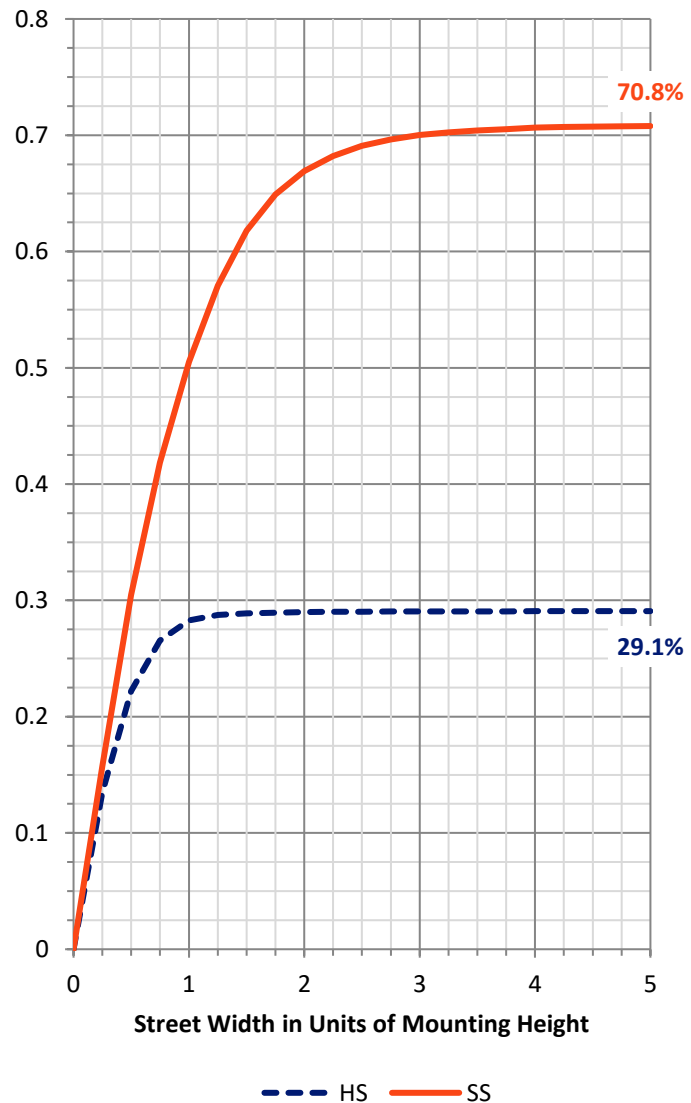
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	626.1	0.0	626.1
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1508.8	0.0	1508.8
	% Fixture	70.7	0.0	70.7
Total	Lumens	2135.0	0.0	2135.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	4.1
10°-20°	247.8	11.6
20°-30°	360.3	16.9
30°-40°	413.3	19.4
40°-50°	412.0	19.3
50°-60°	342.9	16.1
60°-70°	207.1	9.7
70°-80°	60.9	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°	2135.0	100.0
0°-180°	2135.0	100.0

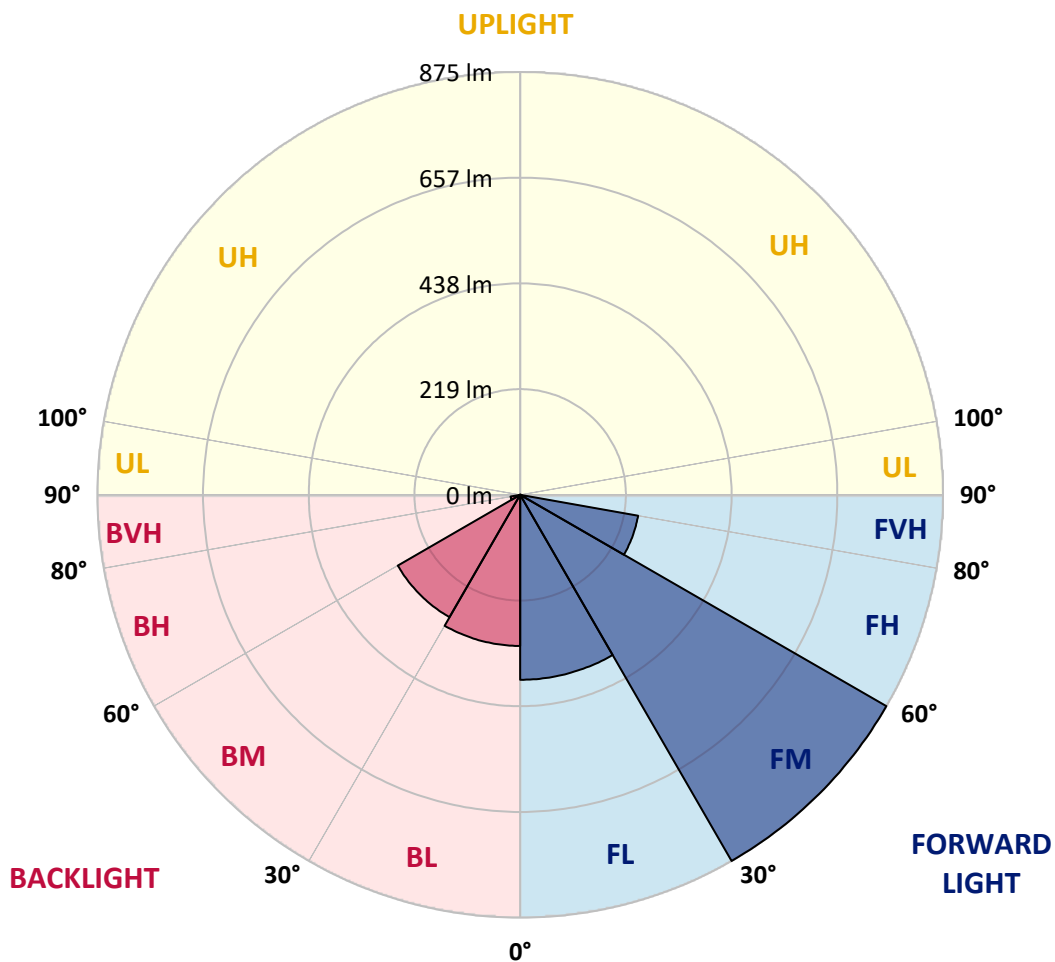


REPORT NUMBER: P208565
 CATALOG NUMBER: XTOR2B

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	383.0	17.9			
FM	(30°-60°)	875.5	41.0			
FH	(60°-80°)	247.9	11.6			G0/660
FVH	(80°-90°)	2.5	0.1			G0/10
BL	(0°-30°)	312.8	14.7	B1/500		
BM	(30°-60°)	292.7	13.7	B1/1000		
BH	(60°-80°)	20.1	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: P208565
 CATALOG NUMBER: XTOR2B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2
2.5°	933.2	935.2	934.2	943.2	943.2	941.2	934.2	936.2	935.2	932.2	930.2
5°	942.2	943.2	942.2	950.2	950.2	947.2	939.2	942.2	940.2	936.2	934.2
7.5°	946.2	949.2	948.2	955.2	954.2	951.2	942.2	944.2	942.2	937.2	935.2
10°	939.2	941.2	941.2	949.2	950.2	946.2	937.2	939.2	936.2	932.2	928.2
12.5°	941.2	942.2	941.2	949.2	949.2	947.2	938.2	940.2	936.2	930.2	926.2
15°	947.2	948.2	947.2	954.2	952.2	948.2	939.2	941.2	938.2	932.2	928.2
17.5°	941.2	944.2	943.2	951.2	950.2	944.2	934.2	937.2	935.2	928.2	924.2
20°	932.2	936.2	933.2	941.2	941.2	937.2	927.2	930.2	929.2	923.2	918.2
22.5°	918.2	922.2	920.2	927.2	928.2	926.2	918.2	923.2	922.2	918.2	914.2
25°	901.2	906.2	904.2	914.2	917.2	916.2	911.2	919.2	921.2	920.2	916.2
27.5°	886.1	890.1	890.1	901.2	905.2	907.2	906.2	914.2	916.2	920.2	921.2
30°	878.1	880.1	879.1	888.1	893.2	897.2	894.2	904.2	910.2	912.2	922.2
32.5°	884.1	882.1	875.1	880.1	882.1	884.1	879.1	887.1	895.2	899.2	911.2
35°	906.2	902.2	892.2	891.2	887.1	882.1	867.1	871.1	877.1	885.1	891.2
37.5°	933.2	927.2	914.2	910.2	903.2	890.1	866.1	861.1	860.1	862.1	871.1
40°	954.2	950.2	934.2	932.2	919.2	902.2	871.1	856.1	845.1	840.1	842.1
42.5°	970.2	964.2	949.2	949.2	934.2	911.2	875.1	854.1	832.1	818.1	812.1
45°	983.2	976.2	961.2	952.2	938.2	912.2	875.1	848.1	817.1	793.1	777.1
46°	985.2	980.2	963.2	954.2	936.2	910.2	871.1	843.1	811.1	781.1	762.1
47.5°	984.2	980.2	968.2	957.2	936.2	908.2	865.1	836.1	799.1	764.1	740.1
50°	979.2	975.2	966.2	954.2	930.2	897.2	848.1	815.1	771.1	727.1	695.1
52.5°	940.2	944.2	938.2	930.2	910.2	880.1	833.1	781.1	730.1	683.1	646.1
55°	866.1	876.1	875.1	875.1	865.1	842.1	807.1	766.1	693.1	636.1	597.1
57.5°	773.1	778.1	783.1	786.1	783.1	776.1	754.1	735.1	677.1	593.1	543.1
60°	672.1	678.1	679.1	681.1	679.1	678.1	670.1	666.1	638.1	576.1	493.1
62.5°	573.1	582.1	578.1	577.1	573.1	571.1	566.1	570.1	560.1	538.1	468.1
65°	473.1	481.1	479.1	477.1	474.1	471.1	462.1	471.1	468.1	461.1	436.1
67.5°	370.1	374.1	375.1	375.1	376.1	376.1	371.1	377.1	373.1	375.1	371.1
70°	263.0	268.0	272.0	273.0	276.0	281.0	282.0	291.0	288.0	287.0	288.0
72.5°	163.0	171.0	172.0	174.0	181.0	190.0	198.0	206.0	206.0	208.0	209.0
75°	84.0	90.0	94.0	93.0	99.0	107.0	113.0	127.0	131.0	137.0	139.0
77.5°	30.0	34.0	37.0	37.0	38.0	45.0	50.0	59.0	66.0	72.0	80.0
80°	7.0	8.0	8.0	8.0	9.0	11.0	13.0	16.0	20.0	26.0	33.0
82.5°	4.0	4.0	4.0	5.0	4.0	5.0	5.0	4.0	4.0	5.0	6.0
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: P208565
 CATALOG NUMBER: XTOR2B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2
2.5°	925.2	927.2	919.2	921.2	924.2	923.2	917.2	917.2	918.2	920.2	921.2
5°	928.2	931.2	921.2	924.2	927.2	926.2	920.2	919.2	919.2	921.2	922.2
7.5°	927.2	930.2	919.2	922.2	925.2	924.2	917.2	916.2	914.2	916.2	915.2
10°	921.2	922.2	911.2	913.2	914.2	912.2	904.2	902.2	900.2	899.2	897.2
12.5°	920.2	921.2	911.2	912.2	910.2	904.2	894.2	891.2	888.1	885.1	879.1
15°	922.2	923.2	912.2	913.2	910.2	902.2	889.1	883.1	877.1	871.1	863.1
17.5°	918.2	919.2	906.2	906.2	902.2	893.2	879.1	870.1	860.1	852.1	842.1
20°	911.2	912.2	898.2	896.2	889.1	880.1	863.1	850.1	837.1	827.1	813.1
22.5°	907.2	905.2	890.1	886.1	877.1	863.1	844.1	831.1	812.1	799.1	783.1
25°	910.2	906.2	888.1	879.1	868.1	850.1	828.1	808.1	789.1	774.1	756.1
27.5°	916.2	911.2	890.1	876.1	863.1	839.1	811.1	787.1	765.1	746.1	722.1
30°	919.2	916.2	890.1	874.1	853.1	826.1	791.1	761.1	731.1	708.1	679.1
32.5°	914.2	914.2	887.1	868.1	839.1	806.1	766.1	728.1	692.1	665.1	632.1
35°	903.2	907.2	882.1	858.1	825.1	783.1	737.1	694.1	651.1	617.1	577.1
37.5°	879.1	890.1	868.1	843.1	805.1	755.1	702.1	653.1	605.1	565.1	526.1
40°	845.1	858.1	843.1	817.1	777.1	723.1	664.1	608.1	552.1	515.1	479.1
42.5°	809.1	821.1	808.1	785.1	744.1	689.1	619.1	557.1	502.1	467.1	436.1
45°	768.1	776.1	763.1	744.1	707.1	646.1	568.1	505.1	454.1	426.1	392.1
46°	751.1	756.1	747.1	726.1	689.1	627.1	548.1	484.1	436.1	408.1	374.1
47.5°	722.1	727.1	719.1	698.1	661.1	599.1	518.1	454.1	409.1	381.1	349.1
50°	671.1	669.1	666.1	650.1	609.1	550.1	467.1	405.1	365.1	339.1	306.1
52.5°	620.1	607.1	606.1	592.1	556.1	498.1	417.1	361.1	322.1	297.1	264.0
55°	568.1	549.1	541.1	536.1	501.1	447.1	370.1	318.1	282.0	255.0	220.0
57.5°	510.1	493.1	474.1	473.1	448.1	393.1	322.1	274.0	242.0	210.0	180.0
60°	455.1	433.1	411.1	410.1	391.1	342.1	276.0	231.0	197.0	170.0	140.0
62.5°	398.1	372.1	352.1	347.1	333.1	291.0	231.0	187.0	157.0	130.0	104.0
65°	354.1	315.1	295.0	285.0	273.0	242.0	187.0	147.0	118.0	94.0	71.0
67.5°	333.1	263.0	239.0	224.0	211.0	184.0	140.0	108.0	83.0	62.0	43.0
70°	288.0	226.0	186.0	167.0	153.0	133.0	99.0	74.0	52.0	36.0	21.0
72.5°	208.0	196.0	140.0	121.0	103.0	86.0	63.0	47.0	28.0	16.0	9.0
75°	139.0	139.0	108.0	82.0	64.0	49.0	35.0	22.0	11.0	8.0	7.0
77.5°	80.0	82.0	74.0	52.0	38.0	26.0	15.0	9.0	7.0	6.0	6.0
80°	34.0	38.0	36.0	29.0	18.0	11.0	6.0	5.0	5.0	4.0	4.0
82.5°	9.0	10.0	10.0	10.0	6.0	5.0	4.0	4.0	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: P208565
 CATALOG NUMBER: XTOR2B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2
2.5°	924.2	924.2	927.2	921.2	918.2	921.2	914.2	918.2	920.2	915.2	918.2
5°	923.2	922.2	924.2	916.2	912.2	914.2	908.2	912.2	913.2	908.2	911.2
7.5°	914.2	912.2	912.2	904.2	897.2	899.2	893.2	896.2	896.2	891.2	894.2
10°	895.2	890.1	890.1	882.1	875.1	877.1	870.1	872.1	871.1	867.1	870.1
12.5°	875.1	869.1	868.1	860.1	853.1	855.1	848.1	851.1	849.1	845.1	846.1
15°	858.1	851.1	848.1	839.1	831.1	830.1	823.1	826.1	824.1	818.1	818.1
17.5°	833.1	823.1	817.1	806.1	794.1	796.1	788.1	788.1	784.1	777.1	774.1
20°	803.1	789.1	781.1	768.1	754.1	753.1	745.1	742.1	736.1	728.1	725.1
22.5°	769.1	754.1	742.1	725.1	709.1	705.1	694.1	688.1	679.1	670.1	665.1
25°	739.1	717.1	702.1	682.1	660.1	652.1	638.1	628.1	617.1	606.1	602.1
27.5°	701.1	677.1	658.1	632.1	608.1	592.1	572.1	565.1	555.1	545.1	540.1
30°	656.1	627.1	603.1	576.1	548.1	530.1	513.1	501.1	490.1	480.1	476.1
32.5°	602.1	567.1	543.1	518.1	494.1	477.1	458.1	445.1	433.1	421.1	416.1
35°	546.1	513.1	491.1	468.1	445.1	430.1	412.1	397.1	381.1	367.1	358.1
37.5°	497.1	465.1	444.1	422.1	397.1	382.1	363.1	348.1	332.1	316.1	305.1
40°	450.1	420.1	399.1	373.1	349.1	332.1	311.1	294.0	278.0	263.0	253.0
42.5°	406.1	376.1	353.1	328.1	303.1	283.0	261.0	242.0	223.0	209.0	199.0
45°	363.1	334.1	310.1	283.0	259.0	237.0	214.0	195.0	177.0	162.0	150.0
46°	345.1	316.1	292.0	265.0	240.0	219.0	196.0	177.0	159.0	144.0	132.0
47.5°	321.1	294.0	266.0	241.0	213.0	193.0	170.0	151.0	134.0	119.0	107.0
50°	279.0	248.0	220.0	195.0	170.0	150.0	128.0	110.0	95.0	81.0	69.0
52.5°	236.0	205.0	178.0	153.0	129.0	111.0	92.0	75.0	59.0	48.0	39.0
55°	192.0	165.0	139.0	115.0	94.0	76.0	59.0	45.0	33.0	25.0	20.0
57.5°	152.0	127.0	104.0	84.0	65.0	49.0	35.0	25.0	19.0	15.0	13.0
60°	116.0	93.0	72.0	54.0	39.0	28.0	19.0	14.0	12.0	11.0	11.0
62.5°	82.0	62.0	44.0	32.0	21.0	15.0	11.0	11.0	10.0	10.0	10.0
65°	52.0	36.0	23.0	16.0	11.0	10.0	10.0	9.0	9.0	9.0	8.0
67.5°	28.0	17.0	12.0	10.0	9.0	9.0	8.0	8.0	7.0	7.0	6.0
70°	12.0	9.0	10.0	8.0	8.0	7.0	6.0	6.0	5.0	5.0	4.0
72.5°	9.0	9.0	8.0	7.0	6.0	6.0	5.0	4.0	3.0	3.0	3.0
75°	7.0	7.0	6.0	5.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0
77.5°	6.0	5.0	4.0	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: P208565
 CATALOG NUMBER: XTOR2B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	929.2	929.2	929.2	929.2
2.5°	918.2	914.2	917.2	910.2
5°	910.2	906.2	909.2	901.2
7.5°	894.2	889.1	891.2	885.1
10°	869.1	865.1	867.1	861.1
12.5°	843.1	838.1	840.1	835.1
15°	813.1	808.1	810.1	805.1
17.5°	771.1	767.1	767.1	762.1
20°	720.1	714.1	712.1	709.1
22.5°	659.1	652.1	649.1	645.1
25°	597.1	590.1	587.1	583.1
27.5°	535.1	529.1	529.1	521.1
30°	471.1	466.1	466.1	460.1
32.5°	409.1	404.1	404.1	399.1
35°	350.1	343.1	342.1	335.1
37.5°	294.0	287.0	285.0	279.0
40°	244.0	236.0	230.0	227.0
42.5°	191.0	184.0	182.0	178.0
45°	143.0	136.0	133.0	130.0
46°	125.0	118.0	115.0	113.0
47.5°	99.0	93.0	90.0	88.0
50°	61.0	55.0	52.0	50.0
52.5°	33.0	28.0	26.0	25.0
55°	17.0	17.0	17.0	16.0
57.5°	13.0	14.0	15.0	15.0
60°	11.0	12.0	12.0	13.0
62.5°	10.0	10.0	11.0	11.0
65°	8.0	8.0	9.0	9.0
67.5°	6.0	6.0	6.0	6.0
70°	4.0	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)