

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: P27818

Luminaire Tested: **XTOR1B-W-FLD-KNC**

Test Date: 05/18/16

Test Information

Test Method: LM-79-08
Report Number: P27818
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P27818)
Test Lab: INNOVATION CENTER(G2)
Test Date: 05/18/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR1B-W-FLD-KNC
Description: CROSSTOUR 12W FLOOD LED WITH WHITE HOUSING, BRONZE SHIELD AND LENS
Light Source:

Ballast/Driver: (1) ERP ELECTRONIC DRIVERS
ESS015W-0300-42-CPLV

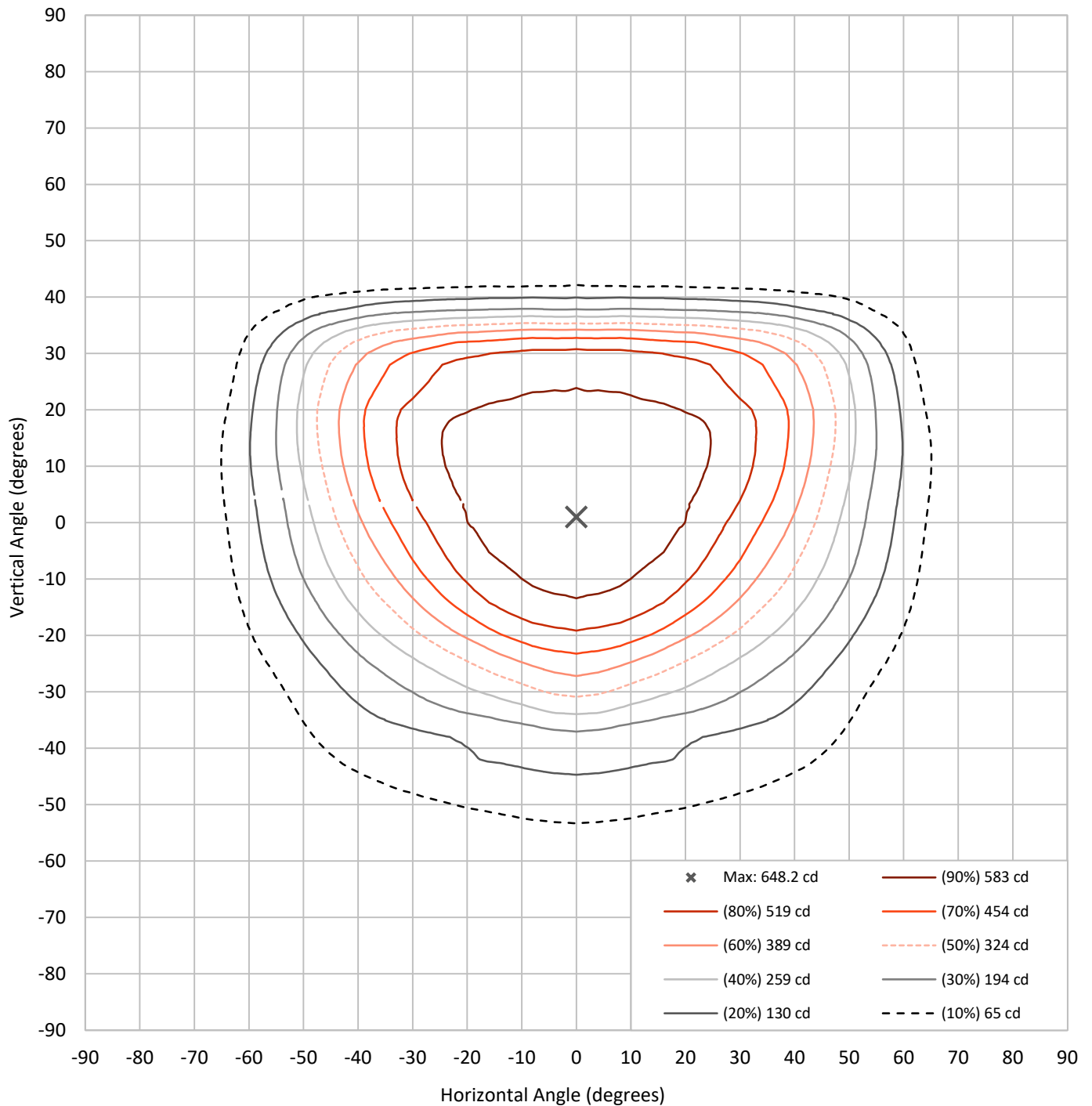
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	990.8 lumens	Max Intensity:	648.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 1°V
Efficacy:	81.2 lumens/watt		
Luminous Opening:	(L: 0 ' x W: 0.46 ' x H: 0.17 ')		
Beam Angle (50%):	88.3°H x 66.2°V	Field Angle (10%):	128.3°H x 95.4°V
Beam Lumens:	712.5 lumens	Field Lumens:	937.4 lumens
Beam Efficiency:	71.9%	Field Efficiency:	94.6%
Input Watts (W):	12.2		
Input Voltage (V):	120.0		
Input Current (A _{in}):	0.103		
Voltage Rise (V):	NR		
Power Factor:	0.9963		
Total Harmonic Distortion (THDi):	16.5%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	24 HR		
Ambient Temperature (°C):	24.5		
Test Distance:	25 FT		



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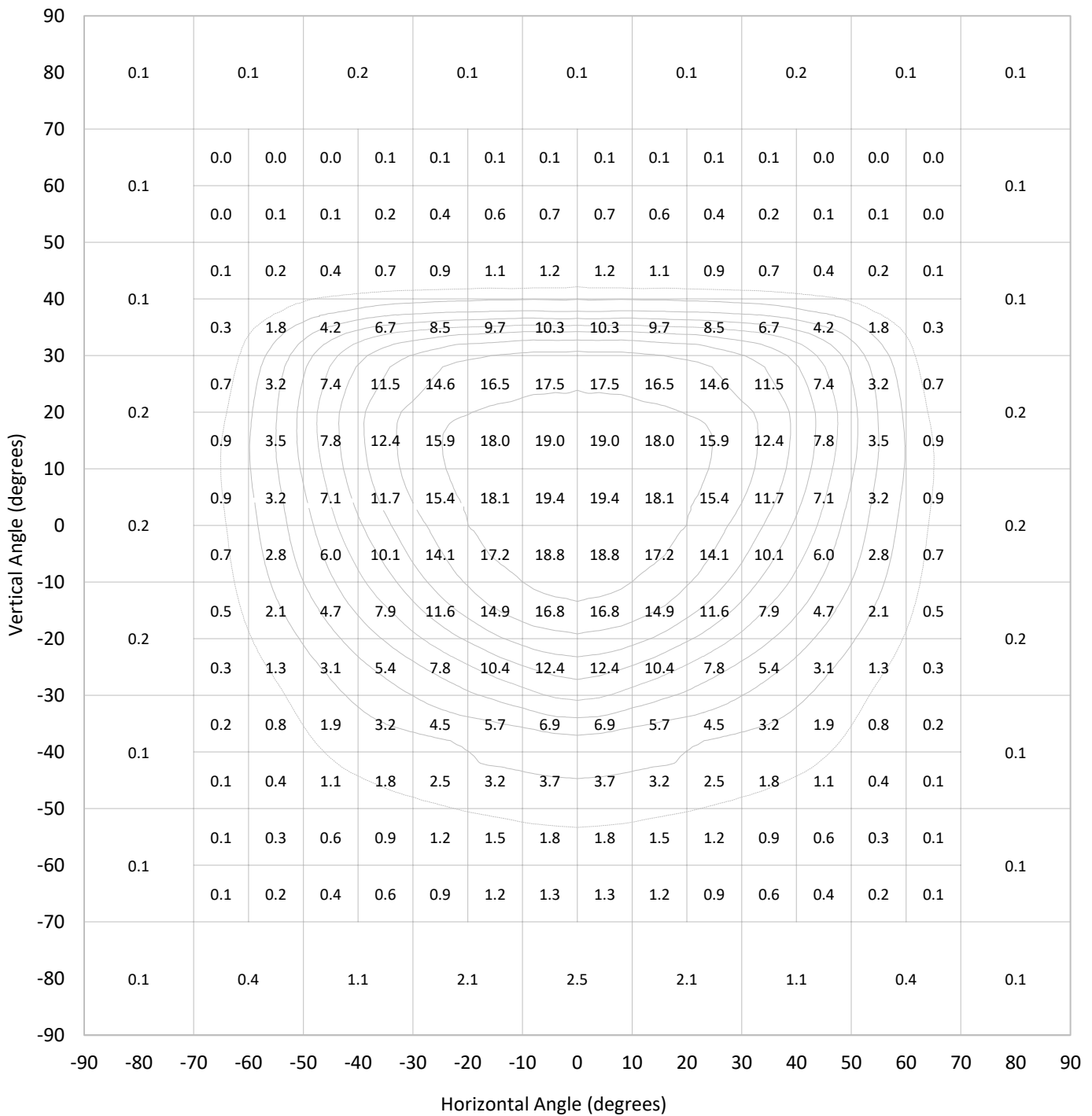
Iso-Candela Plot





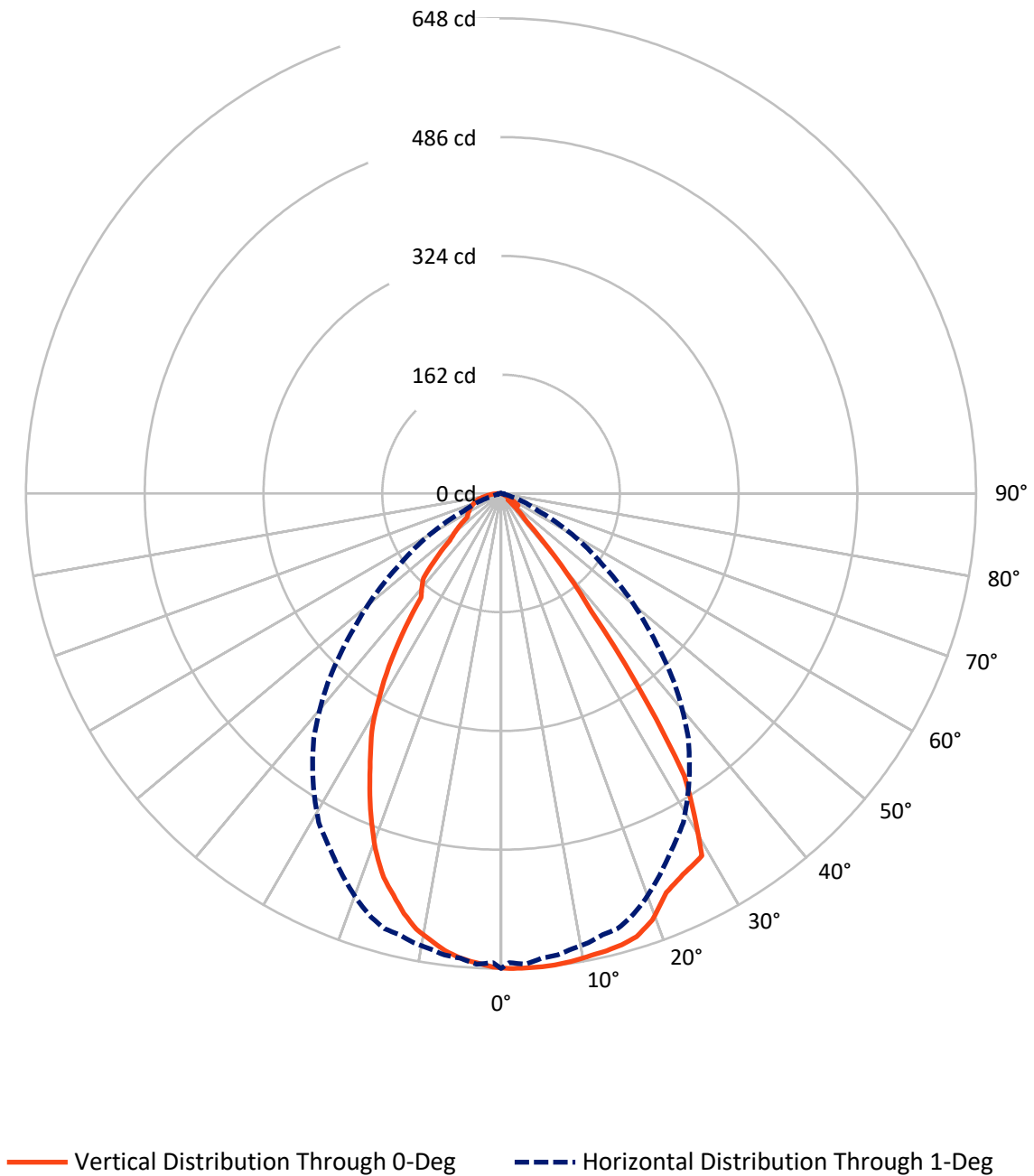
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Lumen Table



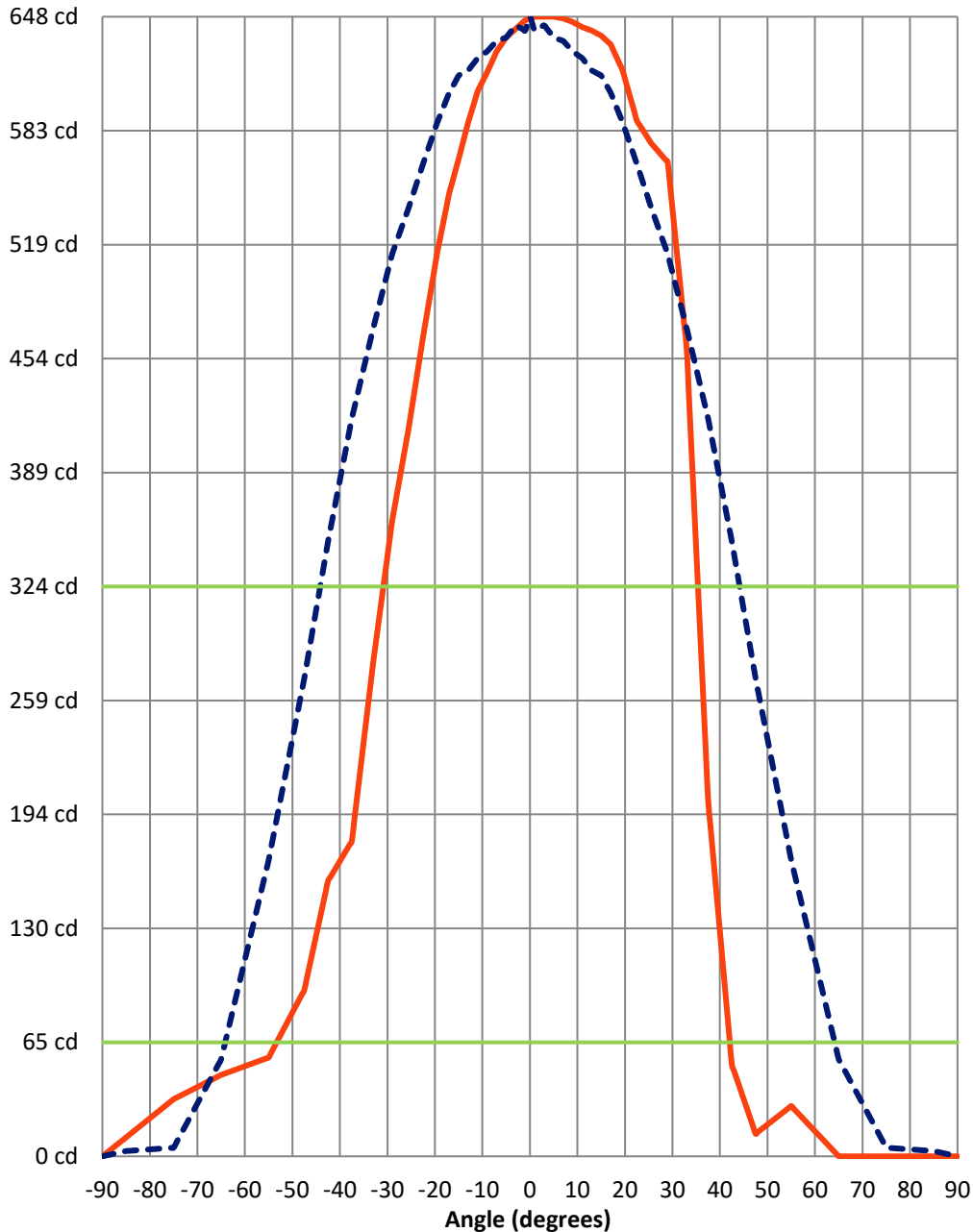
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 88.3°
 V Angle: 66.2°
 Lumens: 712.5
 Efficiency: 71.9%

Field:
 H Angle: 128.3°
 V Angle: 95.4°
 Lumens: 937.4
 Efficiency: 94.6%

Spill:
 Lumens: 53.4
 Efficiency: 5.4%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 1-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
55°	28.6	28.6	28.6	27.6	27.6	26.6	25.6	25.6	24.6	22.7	20.7
47.5°	12.8	12.8	12.8	12.8	12.8	11.8	11.8	11.8	11.8	10.8	9.9
42.5°	52.2	50.2	49.3	49.3	49.3	46.3	43.3	44.3	47.3	47.3	44.3
37.5°	202.9	197.0	199.0	201.0	204.9	207.9	205.9	202.9	202.9	200.0	195.0
33°	459.1	458.1	457.1	457.1	460.0	459.1	454.1	445.3	441.3	435.4	432.5
29°	565.4	559.5	562.5	560.5	559.5	558.6	552.6	551.7	548.7	539.8	534.9
25.5°	576.3	570.4	574.3	572.3	571.4	572.3	565.4	564.5	562.5	553.6	546.7
22.5°	589.1	584.2	589.1	586.1	586.1	585.1	580.2	577.3	574.3	567.4	560.5
19.5°	617.7	611.7	615.7	610.8	609.8	608.8	603.9	600.9	600.9	595.0	586.1
17°	632.4	626.5	630.5	625.5	624.6	622.6	617.7	615.7	615.7	609.8	600.9
15°	637.4	630.5	634.4	630.5	630.5	627.5	622.6	618.6	618.6	613.7	603.9
13°	640.3	633.4	637.4	633.4	633.4	631.4	627.5	622.6	621.6	615.7	603.9
11°	642.3	635.4	640.3	635.4	631.4	634.4	629.5	623.6	622.6	615.7	603.9
9°	645.2	638.3	643.3	638.3	638.3	634.4	630.5	624.6	623.6	615.7	600.9
7°	647.2	640.3	645.2	640.3	640.3	634.4	630.5	623.6	622.6	613.7	598.0
5°	648.2	641.3	645.2	640.3	640.3	635.4	629.5	622.6	620.6	611.7	594.0
3°	648.2	641.3	644.3	639.3	638.3	632.4	627.5	620.6	618.6	608.8	590.1
1°	648.2	640.3	643.3	636.4	634.4	628.5	624.6	617.7	614.7	604.9	588.1
0°	647.2	639.3	641.3	634.4	631.4	625.5	621.6	614.7	611.7	601.9	587.1
-1°	646.2	638.3	640.3	632.4	628.5	622.6	618.6	610.8	607.8	598.0	576.3
-3°	641.3	634.4	637.4	627.5	623.6	616.7	609.8	602.9	599.9	588.1	567.4
-5°	636.4	628.5	629.5	620.6	616.7	609.8	601.9	593.0	590.1	579.2	557.6
-7°	628.5	620.6	622.6	614.7	609.8	601.9	594.0	585.1	581.2	568.4	546.7
-9°	616.7	609.8	611.7	604.9	600.9	593.0	585.1	575.3	569.4	556.6	534.9
-11°	605.8	598.9	598.9	592.0	590.1	582.2	572.3	562.5	556.6	541.8	521.1
-13°	588.1	582.2	585.1	578.3	574.3	566.4	557.6	545.7	538.8	524.1	501.4
-15°	567.4	562.5	563.5	557.6	555.6	547.7	537.9	527.0	518.2	500.4	476.8
-17°	547.7	542.8	541.8	535.9	532.0	526.0	515.2	503.4	491.6	472.8	449.2
-19.5°	514.2	510.3	510.3	503.4	499.4	490.6	477.8	466.0	451.2	432.5	409.8
-22.5°	466.0	462.0	461.0	455.1	448.2	437.4	422.6	408.8	395.0	378.3	359.6
-25.5°	414.7	411.8	408.8	401.9	392.1	380.2	367.4	358.6	344.8	330.0	313.3
-29°	361.5	356.6	354.6	345.8	335.9	324.1	310.3	300.5	288.6	278.8	265.0
-33°	280.8	278.8	278.8	273.9	262.0	251.2	239.4	236.4	222.6	215.7	208.8
-37.5°	179.3	176.3	175.3	172.4	165.5	160.6	155.6	150.7	145.8	141.9	136.9
-42.5°	156.6	153.7	153.7	149.7	145.8	140.9	137.9	134.0	132.0	131.0	123.1
-47.5°	94.6	94.6	95.6	92.6	92.6	91.6	89.6	86.7	84.7	81.8	79.8
-55°	56.2	55.2	55.2	54.2	53.2	52.2	50.2	48.3	47.3	46.3	44.3
-65°	46.3	46.3	46.3	45.3	44.3	43.3	42.4	41.4	39.4	38.4	36.4
-75°	32.5	31.5	31.5	31.5	30.5	30.5	29.6	29.6	28.6	27.6	26.6
-85°	10.8	10.8	11.8	11.8	12.8	12.8	12.8	12.8	12.8	11.8	11.8
-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-FLD-KNC

CANDELA DISTRIBUTION (continued):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
75°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
65°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0
55°	18.7	16.7	13.8	10.8	6.9	3.9	3.0	3.0	3.0	3.0	3.0
47.5°	9.9	8.9	6.9	5.9	5.9	4.9	4.9	3.9	3.0	3.0	3.0
42.5°	41.4	40.4	37.4	35.5	29.6	24.6	21.7	16.7	3.9	3.0	3.0
37.5°	196.0	191.1	183.2	178.3	162.5	136.9	113.3	61.1	5.9	3.0	3.0
33°	427.5	409.8	393.1	371.4	340.8	289.6	228.5	126.1	12.8	3.9	3.0
29°	525.1	509.3	487.6	459.1	417.7	357.6	285.7	164.5	22.7	3.9	3.0
25.5°	538.8	526.0	505.4	477.8	437.4	379.3	303.4	179.3	33.5	3.9	3.0
22.5°	552.6	538.8	521.1	494.5	455.1	394.0	316.2	186.2	43.3	3.9	3.0
19.5°	579.2	567.4	546.7	516.2	471.9	405.9	326.1	190.1	52.2	3.9	3.0
17°	593.0	577.3	554.6	520.1	473.8	405.9	325.1	192.1	57.1	3.9	3.0
15°	596.0	579.2	554.6	518.2	471.9	403.9	323.1	193.1	60.1	3.9	3.0
13°	596.0	578.3	554.6	518.2	468.9	400.9	318.2	193.1	62.1	4.9	3.0
11°	594.0	576.3	552.6	515.2	465.0	397.0	312.3	190.1	62.1	4.9	3.0
9°	591.1	571.4	547.7	510.3	459.1	388.1	304.4	186.2	62.1	4.9	3.0
7°	586.1	565.4	541.8	503.4	451.2	380.2	296.5	182.2	61.1	4.9	3.0
5°	580.2	558.6	532.9	495.5	442.3	371.4	288.6	177.3	59.1	4.9	3.0
3°	573.3	549.7	524.1	482.7	431.5	360.5	279.8	172.4	57.1	4.9	3.0
1°	564.5	539.8	513.2	470.9	419.7	349.7	271.9	168.5	55.2	4.9	3.0
0°	561.5	534.9	506.3	465.0	411.8	343.8	267.9	166.5	54.2	4.9	3.0
-1°	556.6	531.0	501.4	458.1	404.9	336.9	264.0	164.5	53.2	4.9	3.0
-3°	547.7	521.1	490.6	444.3	392.1	324.1	255.1	160.6	50.2	4.9	3.0
-5°	536.9	510.3	477.8	430.5	375.3	312.3	246.3	155.6	48.3	4.9	3.0
-7°	526.0	497.5	463.0	414.7	361.5	298.5	237.4	149.7	45.3	5.9	3.0
-9°	513.2	482.7	446.3	397.0	345.8	285.7	227.6	143.8	42.4	5.9	3.0
-11°	497.5	464.0	426.5	379.3	329.0	271.9	214.8	135.9	39.4	5.9	3.0
-13°	474.8	443.3	404.9	358.6	310.3	258.1	202.9	128.1	36.4	5.9	3.0
-15°	450.2	418.7	382.2	333.9	291.6	242.3	190.1	118.2	33.5	5.9	3.0
-17°	422.6	392.1	355.6	314.2	273.9	225.6	177.3	109.3	30.5	5.9	3.0
-19.5°	385.2	356.6	324.1	286.7	249.2	203.9	159.6	96.5	27.6	5.9	3.0
-22.5°	336.9	312.3	283.7	254.2	219.7	180.3	140.9	83.7	23.6	5.9	3.0
-25.5°	291.6	270.9	247.3	220.7	191.1	157.6	121.2	70.9	19.7	5.9	3.0
-29°	246.3	229.5	208.8	188.2	161.6	134.0	103.4	58.1	16.7	5.9	3.0
-33°	198.0	186.2	172.4	157.6	135.9	112.3	87.7	44.3	13.8	5.9	3.0
-37.5°	133.0	126.1	119.2	111.3	101.5	86.7	69.0	33.5	10.8	5.9	3.0
-42.5°	115.3	112.3	99.5	90.6	78.8	67.0	52.2	25.6	10.8	5.9	3.0
-47.5°	75.9	71.9	68.0	62.1	54.2	45.3	38.4	17.7	9.9	5.9	3.0
-55°	42.4	40.4	39.4	36.4	33.5	30.5	25.6	14.8	8.9	4.9	3.0
-65°	33.5	31.5	29.6	25.6	21.7	17.7	14.8	10.8	6.9	4.9	3.0
-75°	25.6	23.6	21.7	19.7	16.7	13.8	10.8	7.9	5.9	3.9	3.0
-85°	11.8	10.8	10.8	9.9	8.9	7.9	6.9	5.9	4.9	3.9	3.0
-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-FLD-KNC

CANDELA DISTRIBUTION (continued):

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)