

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: P208563

Luminaire Tested: **XTOR1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P208563
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
Description: CROSSTOUR 12W WALL MOUNT LED

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1418 lumens
Efficiency: N/A
Efficacy: 116.2 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

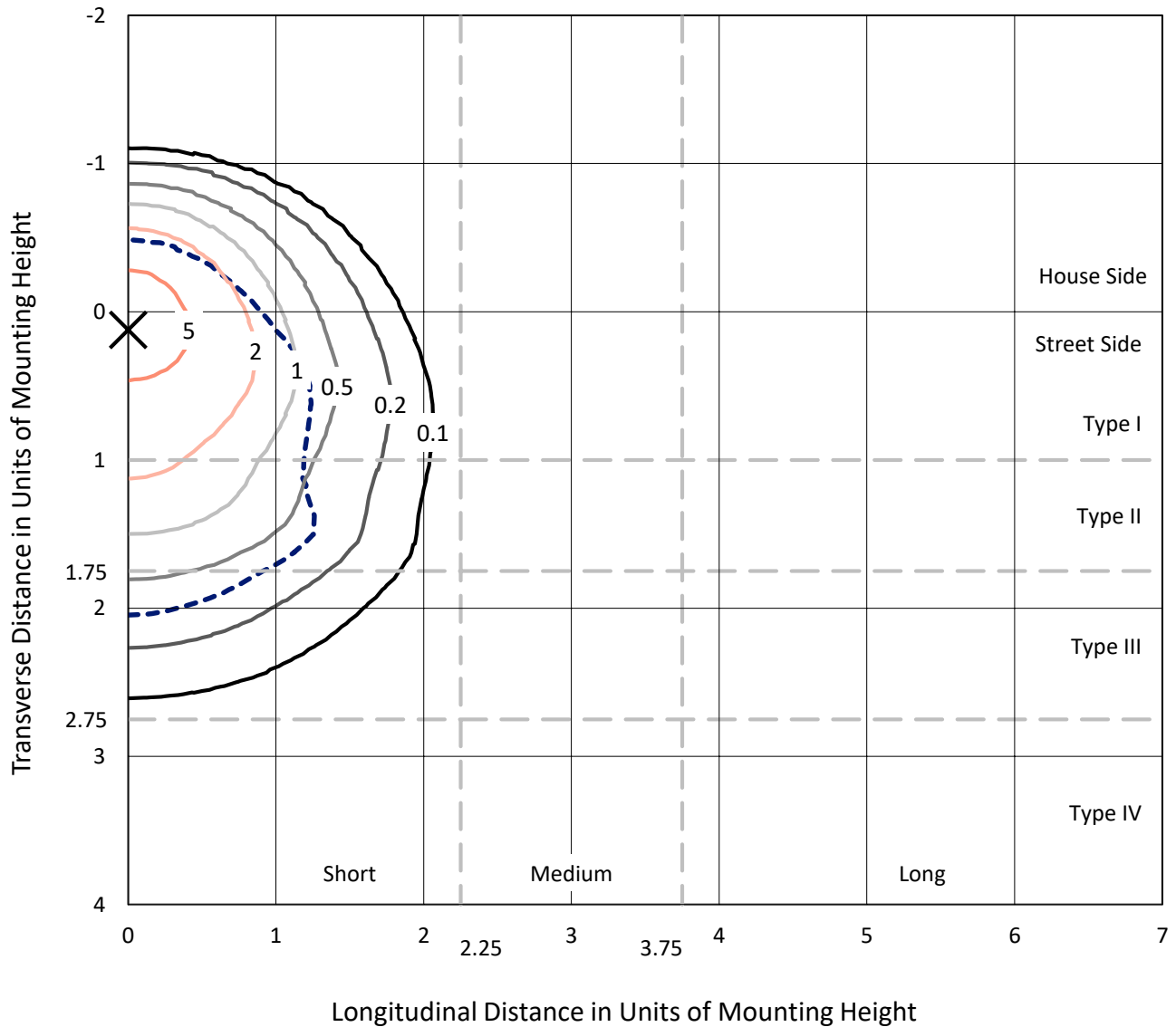
Input Watts (W): 12.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

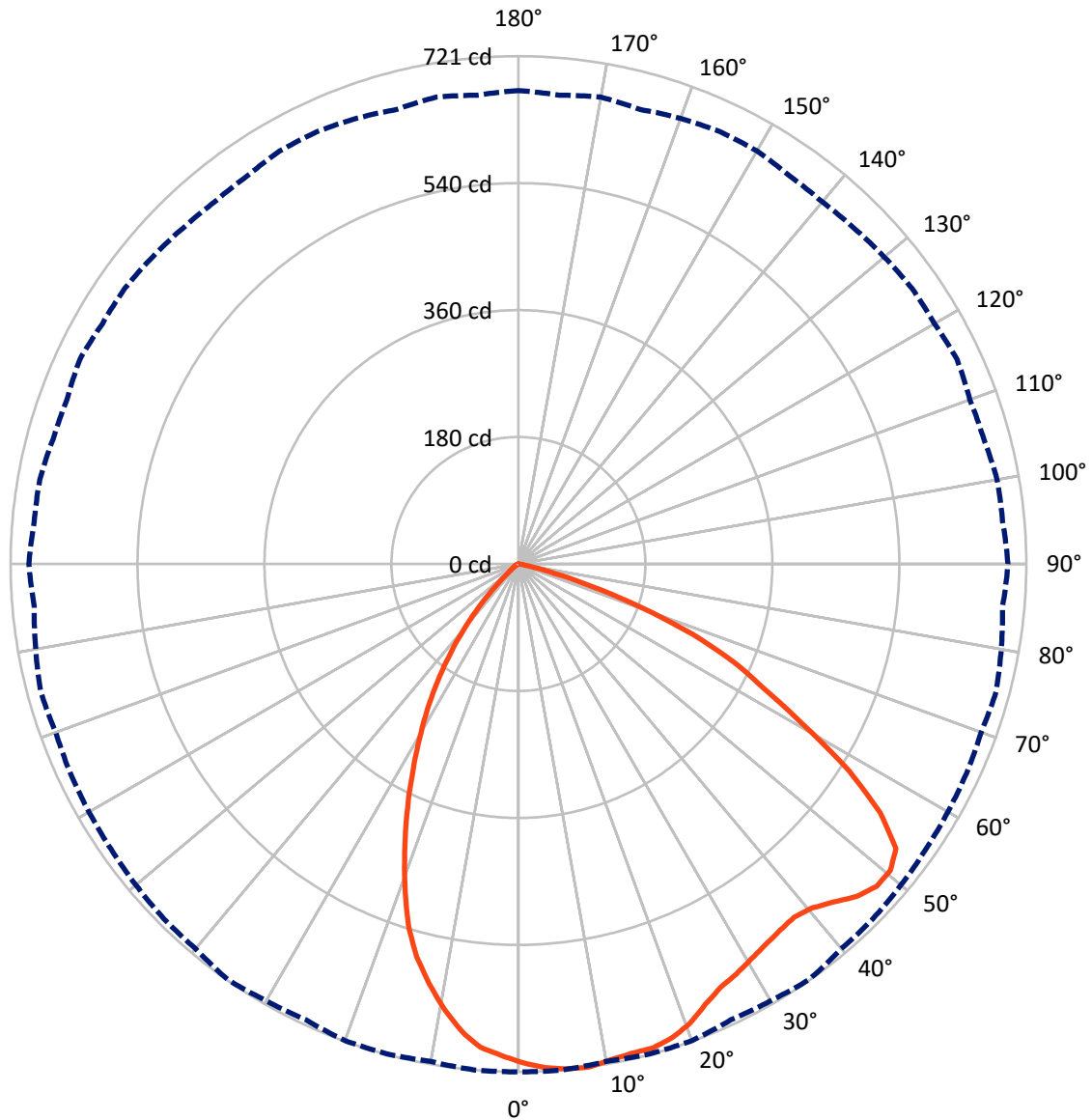
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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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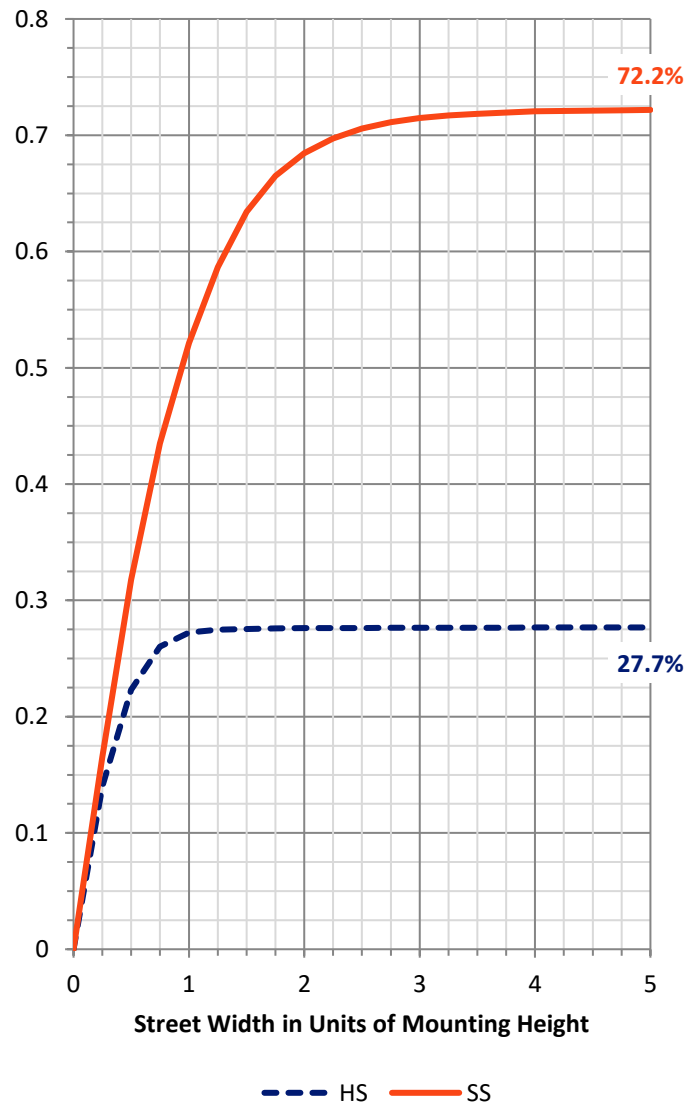
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	396.1	0.0	396.1
	% Fixture	27.9	0.0	27.9
Street Side	Lumens	1022.0	0.0	1022.0
	% Fixture	72.1	0.0	72.1
Total	Lumens	1418.0	0.0	1418.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	4.7
10°-20°	183.1	12.9
20°-30°	254.8	18.0
30°-40°	278.8	19.7
40°-50°	263.3	18.6
50°-60°	215.4	15.2
60°-70°	122.7	8.7
70°-80°	32.2	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°	1418.0	100.0
0°-180°	1418.0	100.0

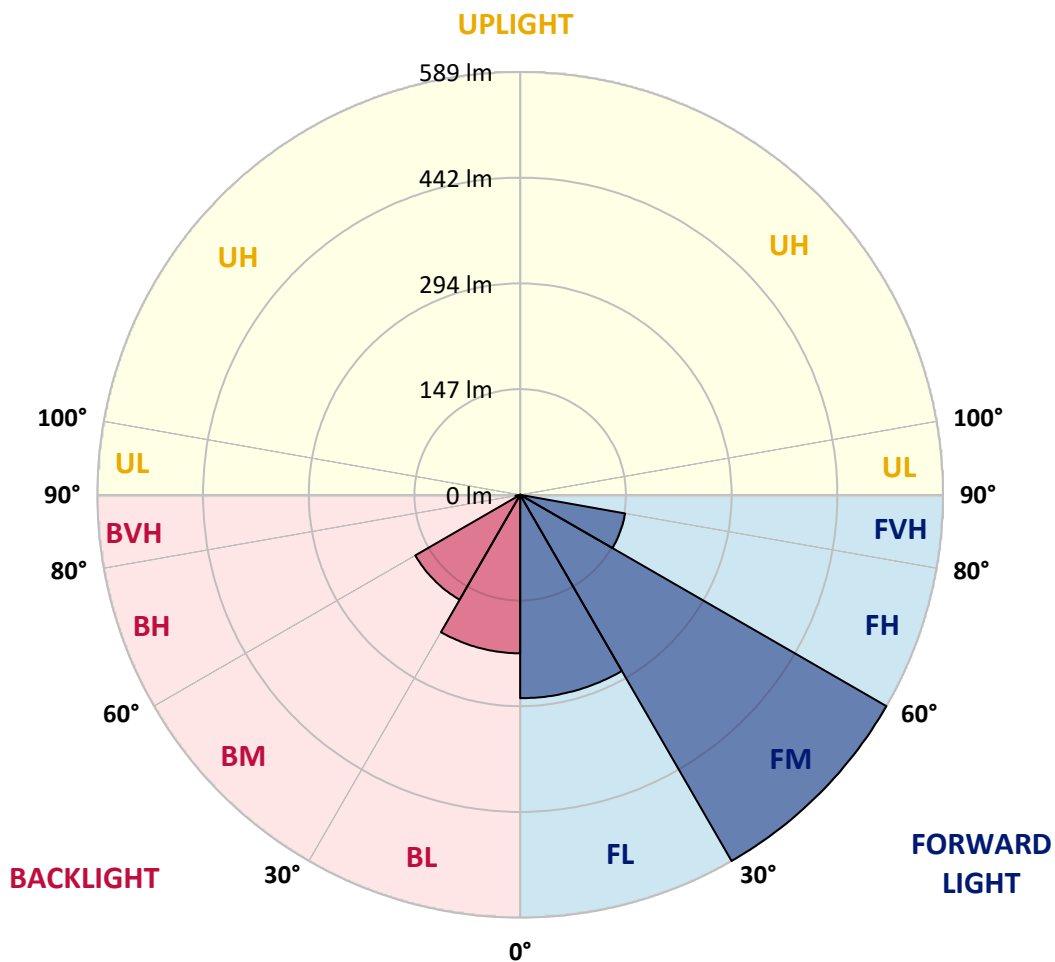


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.3	20.0			
FM (30°-60°)	588.9	41.5			
FH (60°-80°)	148.5	10.5			G0/660
FVH (80°-90°)	1.3	0.1			G0/10
BL (0°-30°)	220.7	15.6	B1/500		
BM (30°-60°)	168.6	11.9	B0/220		
BH (60°-80°)	6.5	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°	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6
2.5°	715.6	715.6	710.6	714.6	713.6	708.6	709.6	714.6	708.6	707.6	705.6
5°	719.6	719.6	714.6	718.6	717.6	711.6	712.6	717.6	710.6	709.6	706.6
7°	720.6	720.6	716.6	719.6	719.6	713.6	715.6	719.6	712.6	711.6	708.6
7.5°	720.6	719.6	714.6	718.6	718.6	712.6	714.6	718.6	711.6	710.6	707.6
10°	715.6	715.6	710.6	714.6	713.6	707.6	709.6	712.6	705.6	704.6	702.6
12.5°	712.6	712.6	708.6	711.6	710.6	704.6	705.6	709.6	702.6	701.6	698.6
15°	712.6	711.6	707.6	711.6	711.6	705.6	707.6	710.6	703.6	702.6	697.6
17.5°	706.6	706.6	701.6	704.6	703.6	698.6	700.6	704.6	698.6	696.6	692.6
20°	695.6	695.6	691.6	693.6	692.6	687.7	690.6	695.6	689.6	687.7	684.7
22.5°	678.7	678.7	675.7	680.7	681.7	676.7	678.7	685.7	681.7	679.7	676.7
25°	665.7	665.7	662.7	666.7	668.7	665.7	669.7	674.7	673.7	674.7	673.7
27.5°	658.7	657.7	654.7	656.7	656.7	654.7	658.7	663.7	661.7	665.7	666.7
30°	650.7	649.7	646.7	650.7	649.7	644.7	646.7	653.7	649.7	652.7	654.7
32.5°	643.7	643.7	640.7	642.7	641.7	636.7	637.7	641.7	637.7	637.7	639.7
35°	638.7	638.7	635.7	638.7	636.7	628.7	628.7	631.7	626.7	624.7	624.7
37.5°	635.7	635.7	631.7	633.7	631.7	623.7	621.7	621.7	613.7	607.7	606.7
40°	641.7	639.7	635.7	632.7	625.7	615.7	612.7	609.7	598.7	590.7	583.7
42.5°	655.7	654.7	646.7	637.7	622.7	606.7	598.7	594.7	581.7	569.7	560.7
45°	672.7	668.7	656.7	645.7	622.7	599.7	584.7	574.7	558.7	546.7	534.7
47.5°	683.7	680.7	670.7	654.7	628.7	595.7	573.7	554.7	534.7	520.7	505.7
50°	683.7	680.7	671.7	659.7	632.7	595.7	562.7	534.7	506.7	488.8	471.8
52.5°	670.7	667.7	660.7	649.7	628.7	593.7	557.7	516.7	477.8	453.8	434.8
55°	622.7	624.7	622.7	615.7	604.7	580.7	550.7	504.7	451.8	417.8	395.8
57.5°	552.7	556.7	550.7	550.7	548.7	535.7	523.7	491.8	432.8	381.8	355.8
60°	465.8	468.8	465.8	465.8	463.8	461.8	460.8	451.8	416.8	351.8	312.8
62.5°	392.8	392.8	388.8	386.8	384.8	377.8	380.8	380.8	371.8	328.8	273.9
65°	336.8	335.8	330.8	323.8	318.8	307.8	302.8	301.8	302.8	291.9	246.9
67.5°	266.9	267.9	263.9	260.9	259.9	250.9	242.9	233.9	229.9	228.9	213.9
70°	184.9	182.9	184.9	187.9	187.9	185.9	185.9	181.9	173.9	164.9	162.9
72.5°	108.9	110.9	110.9	115.9	118.9	120.9	126.9	125.9	124.9	117.9	111.9
75°	53.0	53.0	54.0	58.0	62.0	64.0	72.0	73.0	76.0	75.0	73.0
77.5°	22.0	22.0	22.0	24.0	24.0	25.0	28.0	32.0	35.0	39.0	41.0
80°	9.0	9.0	9.0	9.0	9.0	8.0	9.0	9.0	11.0	13.0	16.0
82.5°	3.0	3.0	3.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6
2.5°	703.6	701.6	700.6	698.6	702.6	696.6	692.6	699.6	696.6	698.6	694.6
5°	704.6	702.6	701.6	698.6	701.6	695.6	691.6	697.6	693.6	694.6	689.6
7°	705.6	703.6	701.6	698.6	701.6	695.6	689.6	694.6	689.6	689.6	683.7
7.5°	705.6	702.6	700.6	697.6	700.6	693.6	688.7	692.6	686.7	687.7	679.7
10°	700.6	697.6	695.6	692.6	695.6	688.7	681.7	685.7	677.7	674.7	666.7
12.5°	695.6	693.6	691.6	680.7	690.6	683.7	675.7	677.7	669.7	665.7	654.7
15°	694.6	692.6	689.6	685.7	687.7	678.7	669.7	670.7	661.7	654.7	642.7
17.5°	689.6	686.7	681.7	677.7	677.7	667.7	657.7	656.7	644.7	634.7	621.7
20°	680.7	676.7	670.7	664.7	663.7	650.7	638.7	631.7	618.7	608.7	593.7
22.5°	672.7	667.7	660.7	651.7	646.7	630.7	616.7	606.7	592.7	578.7	561.7
25°	668.7	662.7	652.7	641.7	631.7	613.7	594.7	583.7	566.7	549.7	529.7
27.5°	664.7	656.7	645.7	630.7	618.7	596.7	575.7	560.7	538.7	517.7	494.7
30°	653.7	646.7	633.7	617.7	602.7	576.7	551.7	530.7	505.7	480.8	455.8
32.5°	638.7	631.7	617.7	599.7	581.7	552.7	522.7	497.7	470.8	442.8	414.8
35°	622.7	617.7	601.7	577.7	558.7	525.7	490.8	462.8	431.8	402.8	376.8
37.5°	605.7	600.7	584.7	557.7	531.7	494.7	457.8	426.8	393.8	366.8	338.8
40°	581.7	576.7	561.7	533.7	502.7	460.8	420.8	387.8	356.8	328.8	301.8
42.5°	553.7	547.7	533.7	502.7	470.8	424.8	383.8	352.8	319.8	292.9	266.9
45°	522.7	514.7	499.7	470.8	435.8	388.8	345.8	312.8	283.9	257.9	232.9
47.5°	489.8	480.8	466.8	436.8	401.8	351.8	308.8	277.9	250.9	223.9	199.9
50°	453.8	439.8	426.8	397.8	362.8	314.8	272.9	244.9	214.9	192.9	169.9
52.5°	415.8	398.8	382.8	357.8	324.8	278.9	237.9	206.9	183.9	160.9	137.9
55°	374.8	356.8	340.8	315.8	285.9	241.9	199.9	176.9	152.9	128.9	108.9
57.5°	331.8	313.8	295.8	276.9	245.9	203.9	168.9	144.9	120.9	99.9	81.0
60°	288.9	268.9	251.9	228.9	203.9	167.9	135.9	112.9	92.0	72.0	55.0
62.5°	245.9	228.9	206.9	187.9	163.9	131.9	104.9	84.0	65.0	49.0	32.0
65°	202.9	185.9	166.9	147.9	124.9	98.0	75.0	58.0	41.0	26.0	15.0
67.5°	170.9	148.9	128.9	108.9	88.0	67.0	50.0	35.0	21.0	12.0	6.0
70°	141.9	112.9	94.0	76.0	59.0	43.0	30.0	17.0	9.0	5.0	4.0
72.5°	106.9	86.0	65.0	50.0	36.0	24.0	14.0	7.0	4.0	3.0	3.0
75°	68.0	57.0	41.0	29.0	19.0	10.0	5.0	4.0	3.0	3.0	3.0
77.5°	38.0	32.0	23.0	14.0	8.0	4.0	4.0	3.0	3.0	2.0	2.0
80°	16.0	14.0	9.0	5.0	4.0	3.0	2.0	2.0	2.0	2.0	1.0
82.5°	4.0	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°	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6	707.6
2.5°	695.6	701.6	700.6	701.6	699.6	696.6	694.6	696.6	701.6	701.6	697.6
5°	690.6	695.6	692.6	693.6	689.6	686.7	684.7	685.7	691.6	690.6	686.7
7°	681.7	686.7	681.7	681.7	677.7	673.7	670.7	671.7	676.7	676.7	672.7
7.5°	678.7	681.7	677.7	677.7	673.7	669.7	666.7	666.7	671.7	671.7	667.7
10°	662.7	664.7	658.7	656.7	650.7	646.7	642.7	641.7	645.7	644.7	640.7
12.5°	648.7	647.7	640.7	637.7	630.7	625.7	619.7	618.7	620.7	617.7	611.7
15°	633.7	631.7	622.7	617.7	609.7	601.7	594.7	590.7	591.7	587.7	581.7
17.5°	611.7	606.7	596.7	588.7	576.7	569.7	560.7	556.7	555.7	547.7	541.7
20°	581.7	574.7	562.7	552.7	538.7	528.7	518.7	514.7	510.7	500.7	494.7
22.5°	546.7	535.7	522.7	509.7	493.7	481.8	470.8	465.8	459.8	448.8	440.8
25°	511.7	497.7	480.8	465.8	447.8	433.8	420.8	413.8	406.8	396.8	388.8
27.5°	473.8	457.8	438.8	422.8	402.8	386.8	372.8	364.8	358.8	349.8	341.8
30°	432.8	416.8	398.8	380.8	360.8	345.8	333.8	324.8	316.8	306.8	298.8
32.5°	392.8	376.8	355.8	336.8	318.8	303.8	294.9	282.9	276.9	265.9	256.9
35°	351.8	332.8	311.8	295.8	279.9	264.9	252.9	243.9	235.9	224.9	216.9
37.5°	312.8	295.8	276.9	260.9	244.9	227.9	214.9	203.9	195.9	185.9	177.9
40°	277.9	260.9	241.9	223.9	207.9	191.9	178.9	167.9	158.9	146.9	138.9
42.5°	245.9	224.9	205.9	190.9	173.9	157.9	143.9	131.9	121.9	111.9	103.9
45°	208.9	191.9	173.9	157.9	139.9	123.9	110.9	98.9	90.0	79.0	72.0
47.5°	179.9	161.9	142.9	125.9	108.9	93.0	80.0	68.0	59.0	51.0	43.0
50°	149.9	130.9	111.9	96.0	79.0	65.0	53.0	42.0	34.0	27.0	22.0
52.5°	118.9	100.9	83.0	68.0	52.0	40.0	30.0	22.0	17.0	13.0	12.0
55°	91.0	74.0	57.0	43.0	31.0	22.0	15.0	11.0	9.0	9.0	8.0
57.5°	65.0	49.0	34.0	24.0	16.0	10.0	8.0	7.0	6.0	6.0	5.0
60°	41.0	28.0	17.0	11.0	7.0	6.0	6.0	5.0	5.0	5.0	5.0
62.5°	21.0	12.0	8.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0
65°	9.0	6.0	5.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0
67.5°	5.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0
70°	4.0	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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	707.6	707.6	707.6	707.6
2.5°	693.6	698.6	694.6	697.6
5°	682.7	687.7	683.7	687.7
7°	667.7	672.7	667.7	671.7
7.5°	662.7	666.7	662.7	666.7
10°	635.7	639.7	634.7	639.7
12.5°	606.7	610.7	606.7	608.7
15°	574.7	575.7	572.7	575.7
17.5°	534.7	534.7	531.7	534.7
20°	483.8	485.8	481.8	482.8
22.5°	430.8	431.8	427.8	429.8
25°	378.8	379.8	376.8	378.8
27.5°	332.8	332.8	328.8	329.8
30°	289.9	288.9	283.9	284.9
32.5°	249.9	247.9	244.9	243.9
35°	208.9	206.9	202.9	202.9
37.5°	169.9	167.9	163.9	162.9
40°	133.9	129.9	125.9	125.9
42.5°	98.0	94.0	92.0	90.0
45°	67.0	61.0	59.0	58.0
47.5°	39.0	35.0	33.0	31.0
50°	19.0	18.0	18.0	18.0
52.5°	12.0	13.0	13.0	13.0
55°	9.0	9.0	9.0	9.0
57.5°	6.0	7.0	7.0	7.0
60°	5.0	5.0	6.0	6.0
62.5°	4.0	4.0	4.0	4.0
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)