

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: P218829

Luminaire Tested: **XTOR2B-Y**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218829
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-Y
Description: CROSSTOUR WALL MOUNT LED

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1997 lumens
Efficiency: N/A
Efficacy: 109.7 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

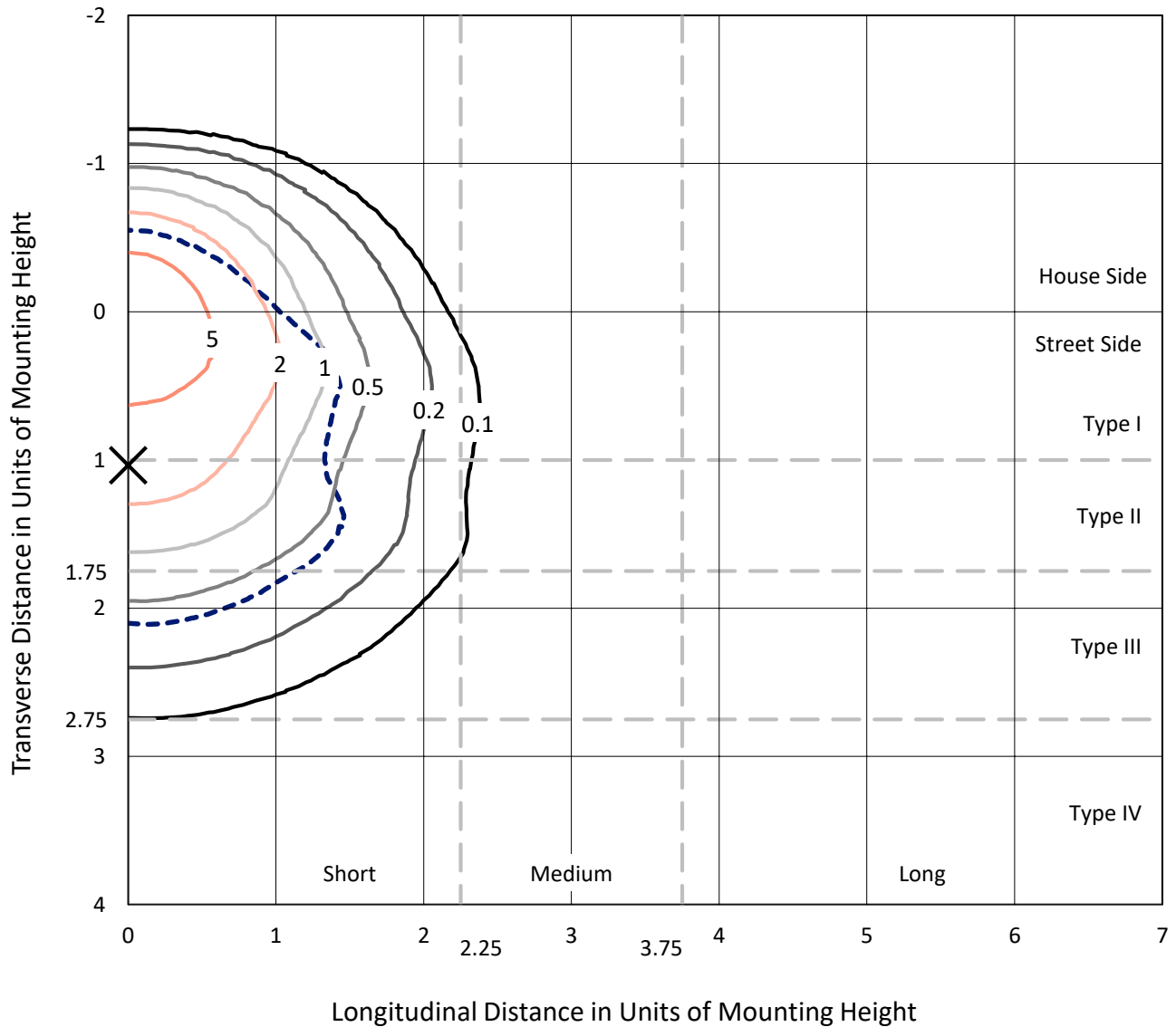
Input Watts (W): 18.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

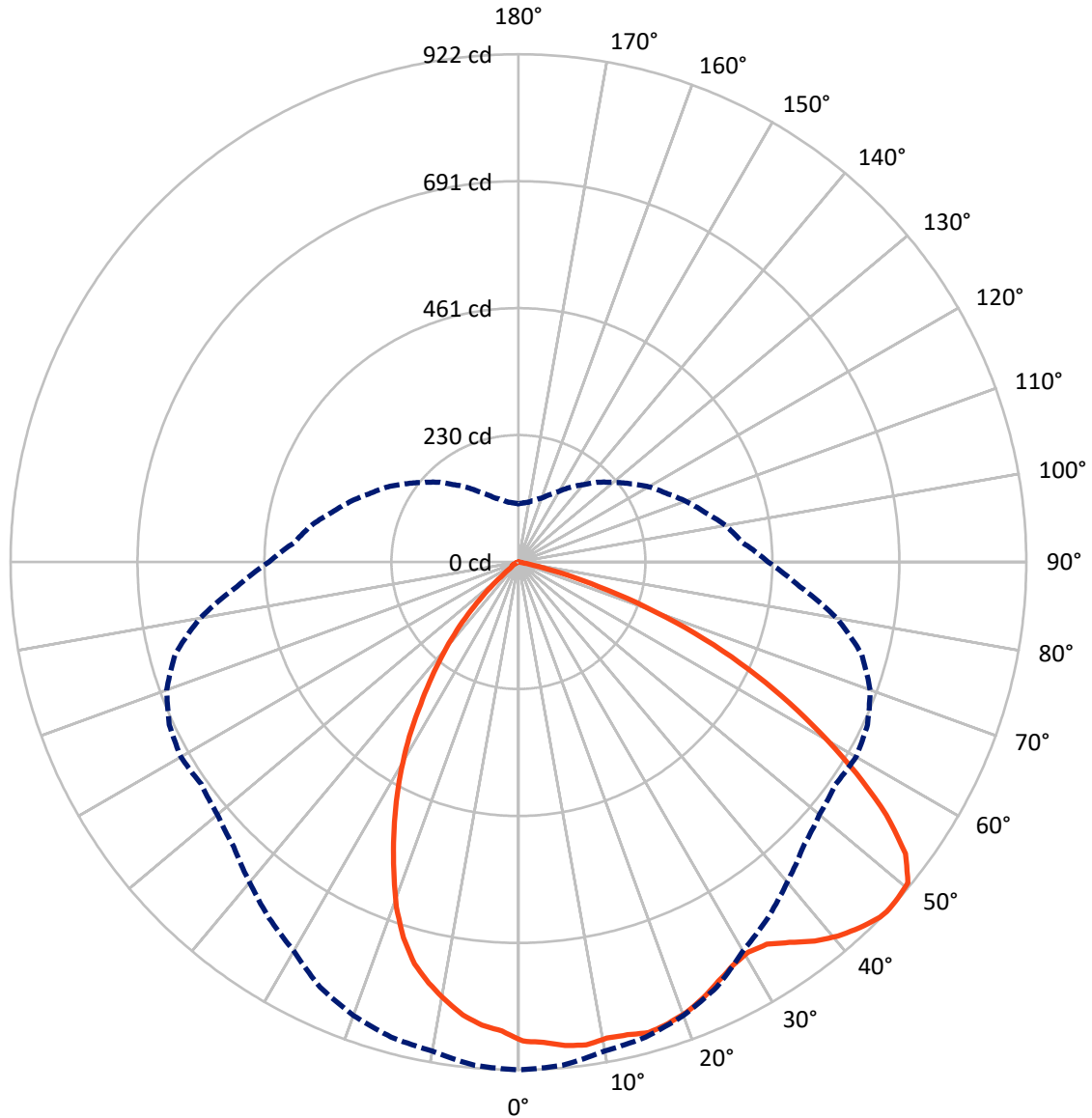
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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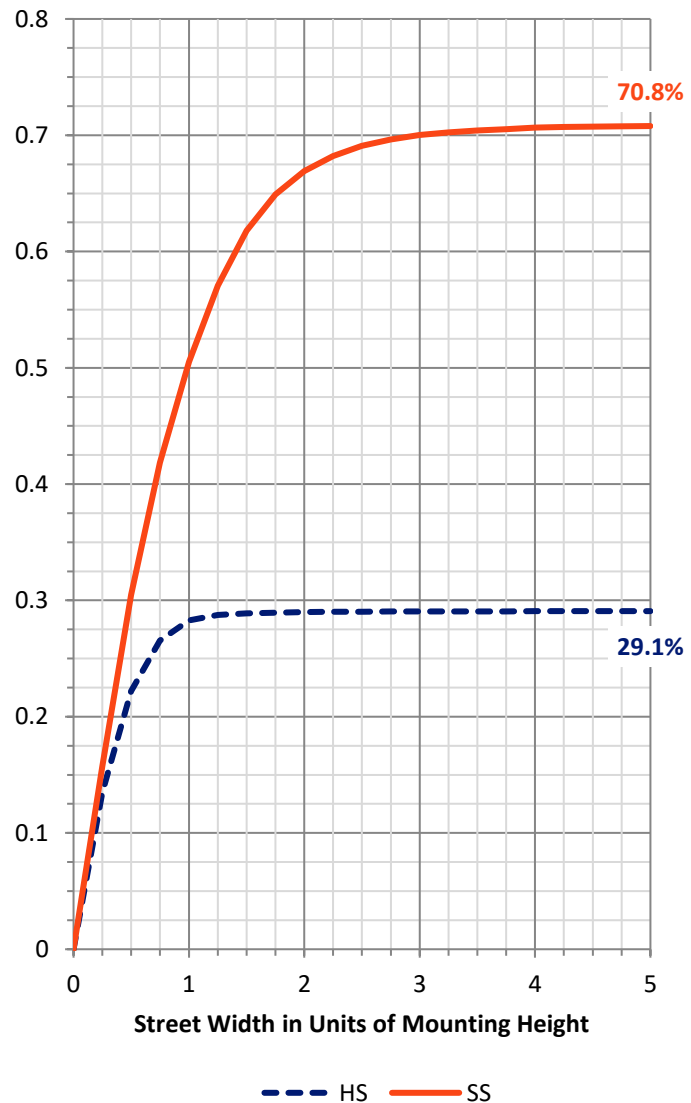
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	585.7	0.0	585.7
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1411.3	0.0	1411.3
	% Fixture	70.7	0.0	70.7
Total	Lumens	1997.0	0.0	1997.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	4.1
10°-20°	231.8	11.6
20°-30°	337.0	16.9
30°-40°	386.6	19.4
40°-50°	385.4	19.3
50°-60°	320.7	16.1
60°-70°	193.7	9.7
70°-80°	57.0	2.9
80°-90°	2.8	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°	1997.0	100.0
0°-180°	1997.0	100.0

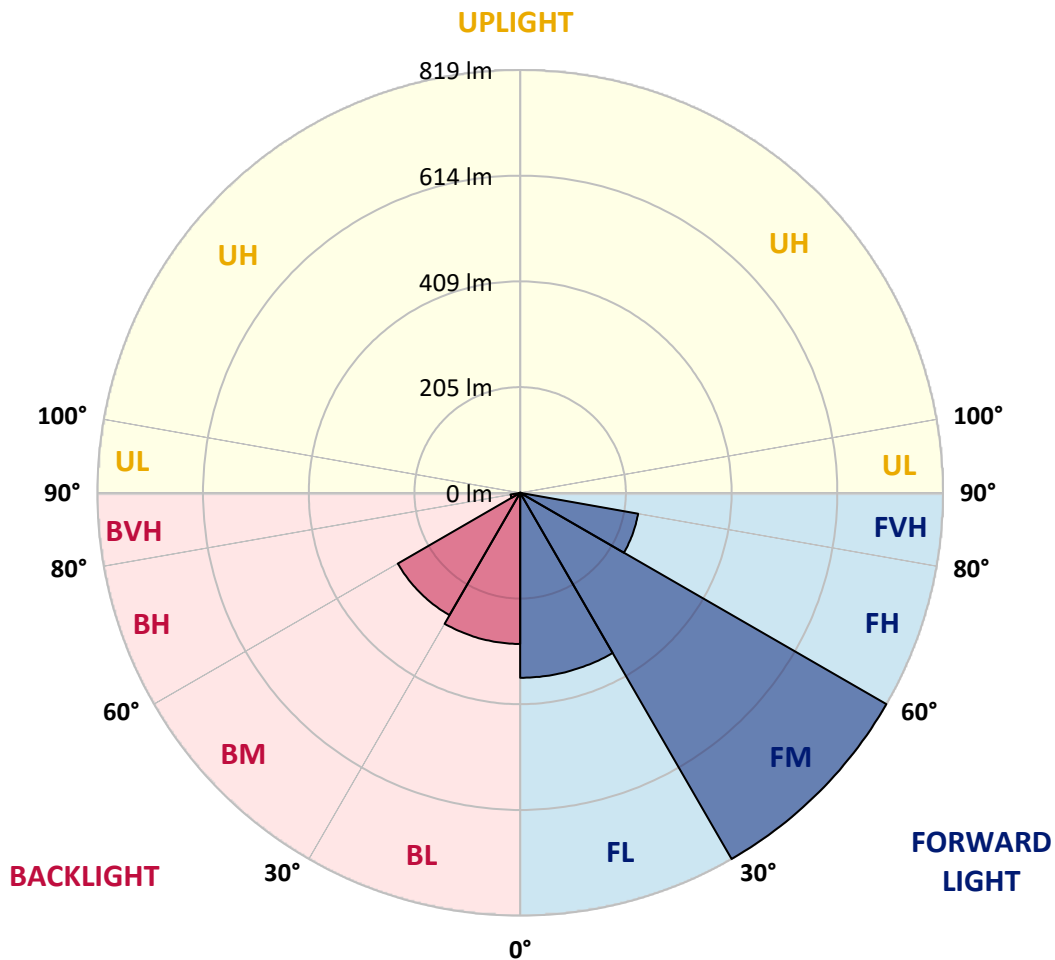


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.2	17.9			
FM	(30°-60°)	818.9	41.0			
FH	(60°-80°)	231.9	11.6			G0/660
FVH	(80°-90°)	2.3	0.1			G0/10
BL	(0°-30°)	292.6	14.7	B1/500		
BM	(30°-60°)	273.8	13.7	B1/1000		
BH	(60°-80°)	18.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1
2.5°	872.8	874.7	873.8	882.2	882.2	880.3	873.8	875.6	874.7	871.9	870.0
5°	881.3	882.2	881.3	888.7	888.7	885.9	878.5	881.3	879.4	875.6	873.8
7.5°	885.0	887.8	886.9	893.4	892.5	889.7	881.3	883.1	881.3	876.6	874.7
10°	878.5	880.3	880.3	887.8	888.7	885.0	876.6	878.5	875.6	871.9	868.2
12.5°	880.3	881.3	880.3	887.8	887.8	885.9	877.5	879.4	875.6	870.0	866.3
15°	885.9	886.9	885.9	892.5	890.6	886.9	878.5	880.3	877.5	871.9	868.2
17.5°	880.3	883.1	882.2	889.7	888.7	883.1	873.8	876.6	874.7	868.2	864.4
20°	871.9	875.6	872.8	880.3	880.3	876.6	867.2	870.0	869.1	863.5	858.8
22.5°	858.8	862.5	860.7	867.2	868.2	866.3	858.8	863.5	862.5	858.8	855.1
25°	842.9	847.6	845.7	855.1	857.9	856.9	852.3	859.7	861.6	860.7	856.9
27.5°	828.9	832.6	832.6	842.9	846.6	848.5	847.6	855.1	856.9	860.7	861.6
30°	821.4	823.3	822.3	830.7	835.4	839.2	836.4	845.7	851.3	853.2	862.5
32.5°	827.0	825.1	818.6	823.3	825.1	827.0	822.3	829.8	837.3	841.0	852.3
35°	847.6	843.8	834.5	833.5	829.8	825.1	811.1	814.8	820.5	827.9	833.5
37.5°	872.8	867.2	855.1	851.3	844.8	832.6	810.2	805.5	804.5	806.4	814.8
40°	892.5	888.7	873.8	871.9	859.7	843.8	814.8	800.8	790.5	785.8	787.7
42.5°	907.5	901.8	887.8	887.8	873.8	852.3	818.6	798.9	778.4	765.3	759.6
45°	919.6	913.1	899.0	890.6	877.5	853.2	818.6	793.3	764.3	741.9	726.9
46°	921.5	916.8	900.9	892.5	875.6	851.3	814.8	788.6	758.7	730.6	712.9
47.5°	920.6	916.8	905.6	895.3	875.6	849.5	809.2	782.1	747.5	714.7	692.3
50°	915.9	912.1	903.7	892.5	870.0	839.2	793.3	762.4	721.3	680.1	650.2
52.5°	879.4	883.1	877.5	870.0	851.3	823.3	779.3	730.6	682.9	639.0	604.3
55°	810.2	819.5	818.6	818.6	809.2	787.7	755.0	716.6	648.3	595.0	558.5
57.5°	723.2	727.8	732.5	735.3	732.5	726.0	705.4	687.6	633.3	554.8	508.0
60°	628.7	634.3	635.2	637.1	635.2	634.3	626.8	623.1	596.9	538.9	461.2
62.5°	536.1	544.5	540.7	539.8	536.1	534.2	529.5	533.2	523.9	503.3	437.8
65°	442.5	450.0	448.1	446.2	443.4	440.6	432.2	440.6	437.8	431.3	407.9
67.5°	346.1	349.9	350.8	350.8	351.8	351.8	347.1	352.7	348.9	350.8	347.1
70°	246.0	250.7	254.5	255.4	258.2	262.9	263.8	272.2	269.4	268.5	269.4
72.5°	152.5	160.0	160.9	162.8	169.3	177.7	185.2	192.7	192.7	194.6	195.5
75°	78.6	84.2	87.9	87.0	92.6	100.1	105.7	118.8	122.6	128.2	130.0
77.5°	28.1	31.8	34.6	34.6	35.5	42.1	46.8	55.2	61.7	67.4	74.8
80°	6.5	7.5	7.5	7.5	8.4	10.3	12.2	15.0	18.7	24.3	30.9
82.5°	3.7	3.7	3.7	4.7	3.7	4.7	4.7	3.7	3.7	4.7	5.6
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.8
87.5°	0.0	0.9	0.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1
2.5°	865.4	867.2	859.7	861.6	864.4	863.5	857.9	857.9	858.8	860.7	861.6
5°	868.2	871.0	861.6	864.4	867.2	866.3	860.7	859.7	859.7	861.6	862.5
7.5°	867.2	870.0	859.7	862.5	865.4	864.4	857.9	856.9	855.1	856.9	856.0
10°	861.6	862.5	852.3	854.1	855.1	853.2	845.7	843.8	842.0	841.0	839.2
12.5°	860.7	861.6	852.3	853.2	851.3	845.7	836.4	833.5	830.7	827.9	822.3
15°	862.5	863.5	853.2	854.1	851.3	843.8	831.7	826.1	820.5	814.8	807.4
17.5°	858.8	859.7	847.6	847.6	843.8	835.4	822.3	813.9	804.5	797.1	787.7
20°	852.3	853.2	840.1	838.2	831.7	823.3	807.4	795.2	783.0	773.7	760.6
22.5°	848.5	846.6	832.6	828.9	820.5	807.4	789.6	777.4	759.6	747.5	732.5
25°	851.3	847.6	830.7	822.3	812.0	795.2	774.6	755.9	738.1	724.1	707.3
27.5°	856.9	852.3	832.6	819.5	807.4	784.9	758.7	736.3	715.7	697.9	675.4
30°	859.7	856.9	832.6	817.6	798.0	772.7	740.0	711.9	683.9	662.3	635.2
32.5°	855.1	855.1	829.8	812.0	784.9	754.0	716.6	681.1	647.4	622.1	591.2
35°	844.8	848.5	825.1	802.7	771.8	732.5	689.5	649.3	609.0	577.2	539.8
37.5°	822.3	832.6	812.0	788.6	753.1	706.3	656.7	610.9	566.0	528.6	492.1
40°	790.5	802.7	788.6	764.3	726.9	676.4	621.2	568.8	516.4	481.8	448.1
42.5°	756.8	768.1	755.9	734.4	696.0	644.6	579.1	521.1	469.6	436.9	407.9
45°	718.5	726.0	713.8	696.0	661.4	604.3	531.4	472.4	424.7	398.5	366.7
46°	702.6	707.3	698.8	679.2	644.6	586.6	512.7	452.8	407.9	381.7	349.9
47.5°	675.4	680.1	672.6	653.0	618.4	560.4	484.6	424.7	382.6	356.4	326.5
50°	627.7	625.9	623.1	608.1	569.7	514.5	436.9	378.9	341.5	317.1	286.3
52.5°	580.0	567.9	566.9	553.8	520.1	465.9	390.1	337.7	301.2	277.8	247.0
55°	531.4	513.6	506.1	501.4	468.7	418.2	346.1	297.5	263.8	238.6	205.8
57.5°	477.1	461.2	443.4	442.5	419.1	367.7	301.2	256.3	226.4	196.5	168.4
60°	425.7	405.1	384.5	383.6	365.8	319.9	258.2	216.1	184.3	159.0	131.0
62.5°	372.3	348.0	329.3	324.6	311.5	272.2	216.1	174.9	146.9	121.6	97.3
65°	331.2	294.7	276.0	266.6	255.4	226.4	174.9	137.5	110.4	87.9	66.4
67.5°	311.5	246.0	223.6	209.6	197.4	172.1	131.0	101.0	77.6	58.0	40.2
70°	269.4	211.4	174.0	156.2	143.1	124.4	92.6	69.2	48.6	33.7	19.6
72.5°	194.6	183.4	131.0	113.2	96.4	80.5	58.9	44.0	26.2	15.0	8.4
75°	130.0	130.0	101.0	76.7	59.9	45.8	32.7	20.6	10.3	7.5	6.5
77.5°	74.8	76.7	69.2	48.6	35.5	24.3	14.0	8.4	6.5	5.6	5.6
80°	31.8	35.5	33.7	27.1	16.8	10.3	5.6	4.7	4.7	3.7	3.7
82.5°	8.4	9.4	9.4	9.4	5.6	4.7	3.7	3.7	2.8	2.8	1.9
85°	2.8	2.8	2.8	2.8	2.8	1.9	1.9	1.9	1.9	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°	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1
2.5°	864.4	864.4	867.2	861.6	858.8	861.6	855.1	858.8	860.7	856.0	858.8
5°	863.5	862.5	864.4	856.9	853.2	855.1	849.5	853.2	854.1	849.5	852.3
7.5°	855.1	853.2	853.2	845.7	839.2	841.0	835.4	838.2	838.2	833.5	836.4
10°	837.3	832.6	832.6	825.1	818.6	820.5	813.9	815.8	814.8	811.1	813.9
12.5°	818.6	813.0	812.0	804.5	798.0	799.9	793.3	796.1	794.3	790.5	791.5
15°	802.7	796.1	793.3	784.9	777.4	776.5	769.9	772.7	770.9	765.3	765.3
17.5°	779.3	769.9	764.3	754.0	742.8	744.7	737.2	737.2	733.4	726.9	724.1
20°	751.2	738.1	730.6	718.5	705.4	704.4	697.0	694.2	688.5	681.1	678.3
22.5°	719.4	705.4	694.2	678.3	663.3	659.5	649.3	643.6	635.2	626.8	622.1
25°	691.3	670.8	656.7	638.0	617.4	610.0	596.9	587.5	577.2	566.9	563.2
27.5°	655.8	633.3	615.6	591.2	568.8	553.8	535.1	528.6	519.2	509.9	505.2
30°	613.7	586.6	564.1	538.9	512.7	495.8	479.9	468.7	458.4	449.0	445.3
32.5°	563.2	530.4	508.0	484.6	462.1	446.2	428.5	416.3	405.1	393.9	389.2
35°	510.8	479.9	459.3	437.8	416.3	402.3	385.4	371.4	356.4	343.3	334.9
37.5°	465.0	435.0	415.4	394.8	371.4	357.4	339.6	325.6	310.6	295.6	285.3
40°	421.0	392.9	373.3	348.9	326.5	310.6	290.9	275.0	260.1	246.0	236.7
42.5°	379.8	351.8	330.2	306.9	283.5	264.8	244.2	226.4	208.6	195.5	186.2
45°	339.6	312.5	290.0	264.8	242.3	221.7	200.2	182.4	165.6	151.6	140.3
46°	322.8	295.6	273.2	247.9	224.5	204.9	183.4	165.6	148.7	134.7	123.5
47.5°	300.3	275.0	248.8	225.5	199.3	180.6	159.0	141.3	125.4	111.3	100.1
50°	261.0	232.0	205.8	182.4	159.0	140.3	119.7	102.9	88.9	75.8	64.6
52.5°	220.8	191.8	166.5	143.1	120.7	103.8	86.1	70.2	55.2	44.9	36.5
55°	179.6	154.4	130.0	107.6	87.9	71.1	55.2	42.1	30.9	23.4	18.7
57.5°	142.2	118.8	97.3	78.6	60.8	45.8	32.7	23.4	17.8	14.0	12.2
60°	108.5	87.0	67.4	50.5	36.5	26.2	17.8	13.1	11.2	10.3	10.3
62.5°	76.7	58.0	41.2	29.9	19.6	14.0	10.3	10.3	9.4	9.4	9.4
65°	48.6	33.7	21.5	15.0	10.3	9.4	9.4	8.4	8.4	8.4	7.5
67.5°	26.2	15.9	11.2	9.4	8.4	8.4	7.5	7.5	6.5	6.5	5.6
70°	11.2	8.4	9.4	7.5	7.5	6.5	5.6	5.6	4.7	4.7	3.7
72.5°	8.4	8.4	7.5	6.5	5.6	5.6	4.7	3.7	2.8	2.8	2.8
75°	6.5	6.5	5.6	4.7	3.7	2.8	2.8	2.8	1.9	1.9	1.9
77.5°	5.6	4.7	3.7	2.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	2.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9
82.5°	1.9	0.9	0.9	0.9	0.9	0.9	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	0.0	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°	869.1	869.1	869.1	869.1
2.5°	858.8	855.1	857.9	851.3
5°	851.3	847.6	850.4	842.9
7.5°	836.4	831.7	833.5	827.9
10°	813.0	809.2	811.1	805.5
12.5°	788.6	784.0	785.8	781.2
15°	760.6	755.9	757.8	753.1
17.5°	721.3	717.5	717.5	712.9
20°	673.6	668.0	666.1	663.3
22.5°	616.5	610.0	607.2	603.4
25°	558.5	552.0	549.2	545.4
27.5°	500.5	494.9	494.9	487.4
30°	440.6	436.0	436.0	430.3
32.5°	382.6	378.0	378.0	373.3
35°	327.4	320.9	319.9	313.4
37.5°	275.0	268.5	266.6	261.0
40°	228.3	220.8	215.2	212.4
42.5°	178.7	172.1	170.3	166.5
45°	133.8	127.2	124.4	121.6
46°	116.9	110.4	107.6	105.7
47.5°	92.6	87.0	84.2	82.3
50°	57.1	51.5	48.6	46.8
52.5°	30.9	26.2	24.3	23.4
55°	15.9	15.9	15.9	15.0
57.5°	12.2	13.1	14.0	14.0
60°	10.3	11.2	11.2	12.2
62.5°	9.4	9.4	10.3	10.3
65°	7.5	7.5	8.4	8.4
67.5°	5.6	5.6	5.6	5.6
70°	3.7	2.8	2.8	2.8
72.5°	2.8	2.8	2.8	2.8
75°	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9
80°	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9
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)