

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P212771

Luminaire Tested: **LE_6B10D010 EC6B10208030 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B10D010 EC6B10208030 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1269.7 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

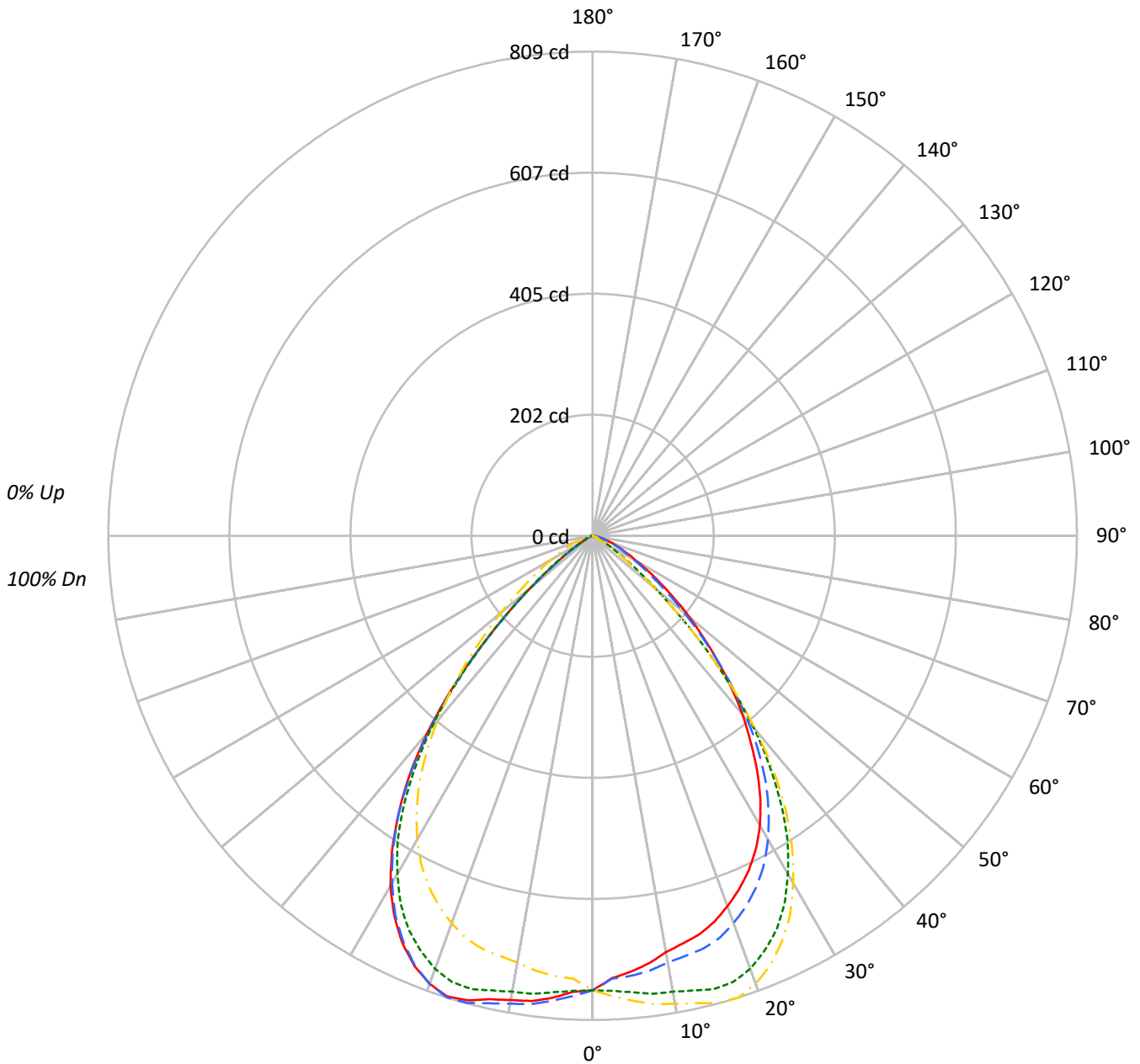
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91					91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82					82			
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73					73			
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66					66			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60					60			
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54					54			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42					42			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38					38			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	41630	41630	41630	41630
5°	40232	42131	42659	42131
10°	39322	43058	43842	43058
15°	39132	44501	45608	44501
20°	38422	44921	46467	44921
25°	37321	43950	45450	43950
30°	35373	41297	42753	41297
35°	32063	36801	37805	36801
40°	27838	29985	30743	29985
45°	22824	20700	20839	20700
50°	17944	11607	11386	11607
55°	13266	5744	5152	5744
60°	9407	2522	1842	2522
65°	6992	1608	1154	1608
70°	5113	1282	833	1282
75°	3728	932	551	932
80°	2526	821	284	821
85°	1635	566	566	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	5.7
10°-20°	215.3	17.0
20°-30°	321.3	25.3
30°-40°	330.1	26.0
40°-50°	213.8	16.8
50°-60°	79.5	6.3
60°-70°	26.1	2.1
70°-80°	9.2	0.7
80°-90°	1.7	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°-30°	609.3	48.0
0°-40°	939.4	74.0
0°-60°	1232.7	97.1
0°-90°	1269.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	759	759	759	759	759	
5°	731	766	775	766	731	69
15°	690	784	804	784	690	194
25°	617	727	751	727	617	283
35°	479	550	565	550	479	297
45°	294	267	269	267	294	228
55°	139	60	54	60	139	127
65°	54	12	9	12	54	55
75°	18	4	3	4	18	19
85°	3	1	1	1	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4
2.5°	740.0	750.5	743.5	747.9	740.9	740.9	755.0	747.0	753.2	747.0	740.9
5°	731.1	744.4	735.5	740.0	733.8	734.6	747.9	741.8	747.9	743.5	738.1
7.5°	720.5	733.8	725.8	730.2	724.0	725.8	740.0	733.8	740.9	736.4	732.9
10°	706.4	720.5	713.4	717.9	712.5	713.4	727.6	723.1	729.4	726.6	724.0
12.5°	697.5	710.8	702.9	707.2	703.8	705.5	718.8	715.2	723.1	720.5	718.8
15°	689.5	701.9	694.9	699.2	696.6	697.5	711.6	708.1	717.0	715.2	714.2
17.5°	676.2	689.5	681.6	686.9	684.2	685.1	699.2	696.6	705.5	705.5	704.6
20°	658.6	671.9	665.6	669.2	667.5	669.2	681.6	679.9	688.6	688.6	688.6
22.5°	639.1	652.4	645.4	648.9	647.1	649.8	661.2	661.2	668.4	669.2	670.1
25°	617.0	630.4	623.2	627.6	625.9	627.6	638.2	639.1	645.4	645.4	647.1
27.5°	590.5	603.8	596.8	600.2	599.4	600.2	611.8	613.5	617.0	618.0	619.8
30°	558.8	571.1	564.0	567.5	567.5	567.5	579.0	579.9	583.5	584.4	586.1
32.5°	521.6	532.2	526.9	530.4	529.5	531.2	539.2	542.8	547.2	546.4	547.2
35°	479.1	490.6	485.4	488.0	488.9	491.5	496.9	501.2	502.1	503.0	504.8
37.5°	433.1	444.6	439.4	442.0	442.9	448.2	450.0	454.4	456.1	456.1	456.1
40°	389.0	394.2	389.9	392.5	393.4	397.9	399.6	403.1	404.9	404.0	403.1
42.5°	341.2	345.6	341.2	343.9	343.9	347.4	348.2	352.8	352.8	351.0	348.2
45°	294.4	298.8	294.4	296.1	296.1	299.8	299.8	299.8	301.5	298.8	294.4
47.5°	250.1	254.6	250.1	252.0	251.1	253.8	252.9	253.8	251.1	249.2	244.0
50°	210.4	212.1	210.4	209.5	210.4	212.1	211.2	211.2	207.8	205.1	198.9
52.5°	171.5	174.1	171.5	171.5	171.5	173.2	173.2	172.4	168.9	165.4	159.1
55°	138.8	140.6	139.6	138.8	138.8	140.6	138.8	138.8	135.2	132.6	126.4
57.5°	110.5	111.4	110.5	110.5	110.5	111.4	111.4	109.6	107.0	104.4	99.9
60°	85.8	86.6	86.6	85.8	85.8	87.5	87.5	86.6	84.0	82.2	77.8
62.5°	68.1	68.1	68.1	68.1	68.1	69.0	69.0	69.0	67.1	65.4	61.9
65°	53.9	54.8	53.9	53.9	54.8	55.8	54.8	55.8	53.9	53.0	50.4
67.5°	41.5	42.4	41.5	42.4	42.4	43.4	42.4	43.4	41.5	40.6	38.9
70°	31.9	31.9	31.9	31.9	31.9	32.8	31.9	32.8	31.9	31.0	29.1
72.5°	23.9	23.9	24.8	24.8	23.9	24.8	23.9	23.9	23.9	23.0	22.1
75°	17.6	17.6	18.6	17.6	17.6	17.6	17.6	17.6	16.8	16.8	15.9
77.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	11.5	11.5	10.6
80°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.1	7.1
82.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.4	4.4
85°	2.6	2.6	2.6	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	0.9	0.9	0.9	1.8	0.9	0.9	1.8	1.8	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4
2.5°	747.9	750.5	750.5	747.9	754.1	748.8	759.4	749.6	752.4	761.1	760.2
5°	745.2	748.8	749.6	747.9	755.9	751.4	762.0	752.4	756.8	765.6	765.6
7.5°	741.8	746.1	747.9	749.6	756.8	752.4	764.8	755.0	761.1	771.8	770.9
10°	733.8	740.0	743.5	746.1	753.2	750.5	763.8	755.9	761.1	773.5	772.6
12.5°	729.4	736.4	741.8	746.1	754.1	752.4	765.6	758.5	765.6	778.0	778.0
15°	725.8	733.8	740.0	747.9	755.9	754.1	768.2	762.0	769.1	784.1	783.2
17.5°	717.0	726.6	732.9	741.8	749.6	748.8	763.8	759.4	767.4	781.5	782.4
20°	701.9	710.8	717.9	728.5	737.2	735.5	751.4	747.0	755.0	770.0	770.9
22.5°	682.5	691.4	698.4	709.9	717.9	717.0	732.9	728.5	736.4	750.5	751.4
25°	659.5	667.5	674.5	685.1	694.0	694.0	708.1	703.8	712.5	726.6	726.6
27.5°	631.2	638.2	644.5	656.9	663.9	663.9	677.1	672.8	681.6	694.0	693.1
30°	596.8	602.9	608.2	618.9	625.0	625.9	637.4	633.0	641.9	652.4	652.4
32.5°	555.1	561.4	564.9	578.1	582.6	581.8	590.5	586.1	595.0	606.5	603.8
35°	511.0	513.6	516.2	529.5	531.2	527.8	536.6	532.2	538.4	549.9	548.1
37.5°	460.6	461.5	461.5	473.0	473.9	471.2	476.5	471.2	475.6	486.2	485.4
40°	404.9	404.0	403.1	412.0	411.1	405.8	409.2	404.9	411.1	419.0	414.6
42.5°	348.2	345.6	342.1	346.5	343.0	338.6	340.4	333.2	337.8	343.9	338.6
45°	292.6	287.4	280.2	281.1	276.8	271.4	268.8	261.6	260.8	267.0	262.5
47.5°	240.5	229.9	223.6	220.1	213.0	208.6	203.4	195.4	191.9	195.4	191.0
50°	193.6	183.0	175.0	167.1	160.0	154.8	145.9	140.6	135.2	136.1	132.6
52.5°	153.0	145.9	132.6	126.4	119.4	113.1	105.2	99.0	92.9	92.9	89.2
55°	121.1	111.4	102.5	93.8	86.6	81.4	73.4	67.1	61.0	60.1	56.6
57.5°	93.8	86.6	76.9	68.1	63.6	58.4	50.4	43.4	39.8	37.1	34.5
60°	72.5	65.4	57.5	50.4	45.1	41.5	33.6	28.2	24.8	23.0	20.4
62.5°	58.4	52.1	45.1	38.0	34.5	31.0	24.8	20.4	16.8	15.0	13.2
65°	46.9	41.5	36.2	31.0	28.2	24.8	20.4	16.8	14.1	12.4	10.6
67.5°	36.2	32.8	28.2	24.8	22.1	19.5	15.9	13.2	11.5	9.8	8.9
70°	27.4	24.8	22.1	18.6	16.8	15.0	12.4	9.8	8.9	8.0	7.1
72.5°	21.2	18.6	15.9	14.1	12.4	11.5	9.8	8.0	7.1	6.2	5.2
75°	14.1	13.2	11.5	9.8	8.9	8.0	7.1	6.2	5.2	4.4	4.4
77.5°	9.8	8.9	8.0	7.1	6.2	6.2	5.2	4.4	3.5	3.5	2.6
80°	6.2	5.2	5.2	4.4	4.4	4.4	3.5	2.6	2.6	2.6	1.8
82.5°	4.4	3.5	3.5	2.6	2.6	2.6	2.6	1.8	1.8	1.8	0.9
85°	2.6	1.8	1.8	1.8	1.8	1.8	1.8	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	0.0	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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4
2.5°	753.2	761.1	761.1	768.2	769.1	767.4	759.4	759.4	770.0	776.2	765.6
5°	760.2	768.2	768.2	775.2	778.9	776.2	768.2	769.1	779.8	786.8	776.2
7.5°	766.5	774.4	776.2	784.1	786.8	784.1	776.2	778.0	789.5	795.6	785.0
10°	769.1	777.1	778.0	786.8	790.4	786.8	780.6	781.5	793.9	798.2	788.6
12.5°	775.2	783.2	783.2	793.0	796.5	793.9	785.9	787.6	800.0	804.5	794.8
15°	781.5	789.5	789.5	800.0	804.5	801.0	794.8	795.6	808.0	812.4	804.5
17.5°	781.5	788.6	788.6	800.0	804.5	801.9	794.8	795.6	808.9	812.4	804.5
20°	770.0	778.0	776.2	787.6	792.1	789.5	783.2	783.2	796.5	800.0	792.1
22.5°	751.4	758.5	756.8	767.4	772.6	769.1	763.8	762.9	776.2	779.8	771.8
25°	725.8	732.9	731.1	741.8	747.0	742.6	736.4	737.2	747.9	753.2	746.1
27.5°	695.8	700.1	697.5	708.1	713.4	709.0	702.9	703.8	714.2	717.9	712.5
30°	655.1	658.6	656.0	664.8	668.4	665.6	660.4	660.4	670.1	674.5	669.2
32.5°	606.5	609.1	606.5	613.5	620.6	615.2	610.0	610.0	620.6	624.1	618.0
35°	549.9	552.5	550.8	557.9	563.1	556.0	551.6	549.9	564.0	562.2	558.8
37.5°	487.1	488.9	483.6	496.0	498.6	490.6	487.1	485.4	497.8	496.9	493.2
40°	416.4	418.1	414.6	423.5	424.4	418.1	415.5	412.9	425.2	424.4	421.8
42.5°	341.2	342.1	337.8	344.8	346.5	340.4	339.5	335.9	347.4	345.6	344.8
45°	263.5	263.5	259.9	265.2	267.0	261.6	259.9	259.0	267.0	267.0	265.2
47.5°	191.0	188.2	183.9	191.9	192.8	189.1	188.2	185.6	193.6	193.6	191.9
50°	130.9	130.0	129.1	130.9	131.8	127.2	130.0	127.2	131.8	131.8	131.8
52.5°	87.5	86.6	84.9	86.6	86.6	84.0	84.0	83.1	86.6	86.6	84.9
55°	54.8	53.9	53.0	53.9	53.9	51.2	53.0	51.2	53.0	53.0	52.1
57.5°	33.6	31.9	31.9	31.0	31.0	29.1	30.0	30.0	30.0	30.0	30.0
60°	19.5	18.6	17.6	17.6	17.6	16.8	16.8	16.8	16.8	16.8	16.8
62.5°	12.4	12.4	11.5	11.5	11.5	11.5	11.5	10.6	11.5	11.5	11.5
65°	10.6	9.8	9.8	9.8	9.8	8.9	8.9	8.9	8.9	8.9	8.9
67.5°	8.9	8.0	8.0	8.0	8.0	7.1	7.1	7.1	7.1	7.1	7.1
70°	7.1	6.2	6.2	6.2	6.2	6.2	5.2	6.2	6.2	5.2	5.2
72.5°	5.2	5.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	3.5	3.5	3.5	3.5	3.5	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	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	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.0	0.9	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4
2.5°	778.0	769.1	764.8	773.5	777.1	772.6	769.1	762.9	769.1	772.6	777.1
5°	788.6	780.6	777.1	783.2	788.6	784.1	781.5	775.2	781.5	784.1	788.6
7.5°	798.2	790.4	785.9	792.1	798.2	792.1	789.5	784.1	789.5	792.1	798.2
10°	801.9	793.0	789.5	794.8	801.0	794.8	791.2	787.6	791.2	794.8	801.0
12.5°	808.0	799.1	794.8	799.1	805.4	799.1	795.6	793.0	795.6	799.1	805.4
15°	816.9	808.9	803.6	808.0	816.0	808.9	804.5	803.6	804.5	808.9	816.0
17.5°	816.9	810.6	805.4	808.9	816.9	811.5	805.4	807.1	805.4	811.5	816.9
20°	805.4	799.1	794.8	794.8	806.2	799.1	793.9	796.5	793.9	799.1	806.2
22.5°	785.0	779.8	775.2	774.4	785.9	779.8	772.6	778.0	772.6	779.8	785.9
25°	758.5	753.2	749.6	747.9	759.4	752.4	746.1	751.4	746.1	752.4	759.4
27.5°	724.0	719.6	716.1	713.4	724.0	717.9	711.6	717.0	711.6	717.9	724.0
30°	679.9	677.1	673.6	670.1	680.8	674.5	668.4	675.4	668.4	674.5	680.8
32.5°	628.5	626.8	622.4	618.9	629.4	622.4	618.0	623.2	618.0	622.4	629.4
35°	569.4	566.6	564.0	557.9	569.4	563.1	563.1	564.9	563.1	563.1	569.4
37.5°	503.0	501.2	497.8	492.4	502.1	497.8	496.0	501.2	496.0	497.8	502.1
40°	428.8	427.9	425.2	419.0	429.6	425.2	422.6	429.6	422.6	425.2	429.6
42.5°	351.0	349.2	346.5	345.6	351.0	347.4	350.1	350.1	350.1	347.4	351.0
45°	270.5	268.8	267.0	263.5	269.6	267.9	267.0	268.8	267.0	267.9	269.6
47.5°	196.2	194.5	192.8	190.1	196.2	193.6	193.6	195.4	193.6	193.6	196.2
50°	131.8	132.6	131.8	130.0	131.8	130.9	131.8	133.5	131.8	130.9	131.8
52.5°	87.5	87.5	85.8	84.9	86.6	85.8	88.4	86.6	88.4	85.8	86.6
55°	53.0	53.9	53.0	52.1	53.0	52.1	54.8	53.9	54.8	52.1	53.0
57.5°	30.0	30.0	31.0	30.0	31.9	31.0	31.0	31.0	31.0	31.0	31.9
60°	16.8	16.8	16.8	16.8	16.8	16.8	17.6	16.8	17.6	16.8	16.8
62.5°	11.5	11.5	11.5	10.6	11.5	10.6	11.5	11.5	11.5	10.6	11.5
65°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
67.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
70°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
72.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4
2.5°	773.5	764.8	769.1	778.0	765.6	776.2	770.0	759.4	759.4	767.4	769.1
5°	783.2	777.1	780.6	788.6	776.2	786.8	779.8	769.1	768.2	776.2	778.9
7.5°	792.1	785.9	790.4	798.2	785.0	795.6	789.5	778.0	776.2	784.1	786.8
10°	794.8	789.5	793.0	801.9	788.6	798.2	793.9	781.5	780.6	786.8	790.4
12.5°	799.1	794.8	799.1	808.0	794.8	804.5	800.0	787.6	785.9	793.9	796.5
15°	808.0	803.6	808.9	816.9	804.5	812.4	808.0	795.6	794.8	801.0	804.5
17.5°	808.9	805.4	810.6	816.9	804.5	812.4	808.9	795.6	794.8	801.9	804.5
20°	794.8	794.8	799.1	805.4	792.1	800.0	796.5	783.2	783.2	789.5	792.1
22.5°	774.4	775.2	779.8	785.0	771.8	779.8	776.2	762.9	763.8	769.1	772.6
25°	747.9	749.6	753.2	758.5	746.1	753.2	747.9	737.2	736.4	742.6	747.0
27.5°	713.4	716.1	719.6	724.0	712.5	717.9	714.2	703.8	702.9	709.0	713.4
30°	670.1	673.6	677.1	679.9	669.2	674.5	670.1	660.4	660.4	665.6	668.4
32.5°	618.9	622.4	626.8	628.5	618.0	624.1	620.6	610.0	610.0	615.2	620.6
35°	557.9	564.0	566.6	569.4	558.8	562.2	564.0	549.9	551.6	556.0	563.1
37.5°	492.4	497.8	501.2	503.0	493.2	496.9	497.8	485.4	487.1	490.6	498.6
40°	419.0	425.2	427.9	428.8	421.8	424.4	425.2	412.9	415.5	418.1	424.4
42.5°	345.6	346.5	349.2	351.0	344.8	345.6	347.4	335.9	339.5	340.4	346.5
45°	263.5	267.0	268.8	270.5	265.2	267.0	267.0	259.0	259.9	261.6	267.0
47.5°	190.1	192.8	194.5	196.2	191.9	193.6	193.6	185.6	188.2	189.1	192.8
50°	130.0	131.8	132.6	131.8	131.8	131.8	131.8	127.2	130.0	127.2	131.8
52.5°	84.9	85.8	87.5	87.5	84.9	86.6	86.6	83.1	84.0	84.0	86.6
55°	52.1	53.0	53.9	53.0	52.1	53.0	53.0	51.2	53.0	51.2	53.9
57.5°	30.0	31.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	29.1	31.0
60°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17.6
62.5°	10.6	11.5	11.5	11.5	11.5	11.5	11.5	10.6	11.5	11.5	11.5
65°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.8
67.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	8.0
70°	5.2	5.2	5.2	5.2	5.2	5.2	6.2	6.2	5.2	6.2	6.2
72.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.5
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.0	0.9
87.5°	0.0	0.0	0.0	0.0	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):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4
2.5°	768.2	761.1	761.1	753.2	760.2	761.1	752.4	749.6	759.4	748.8	754.1
5°	775.2	768.2	768.2	760.2	765.6	765.6	756.8	752.4	762.0	751.4	755.9
7.5°	784.1	776.2	774.4	766.5	770.9	771.8	761.1	755.0	764.8	752.4	756.8
10°	786.8	778.0	777.1	769.1	772.6	773.5	761.1	755.9	763.8	750.5	753.2
12.5°	793.0	783.2	783.2	775.2	778.0	778.0	765.6	758.5	765.6	752.4	754.1
15°	800.0	789.5	789.5	781.5	783.2	784.1	769.1	762.0	768.2	754.1	755.9
17.5°	800.0	788.6	788.6	781.5	782.4	781.5	767.4	759.4	763.8	748.8	749.6
20°	787.6	776.2	778.0	770.0	770.9	770.0	755.0	747.0	751.4	735.5	737.2
22.5°	767.4	756.8	758.5	751.4	751.4	750.5	736.4	728.5	732.9	717.0	717.9
25°	741.8	731.1	732.9	725.8	726.6	726.6	712.5	703.8	708.1	694.0	694.0
27.5°	708.1	697.5	700.1	695.8	693.1	694.0	681.6	672.8	677.1	663.9	663.9
30°	664.8	656.0	658.6	655.1	652.4	652.4	641.9	633.0	637.4	625.9	625.0
32.5°	613.5	606.5	609.1	606.5	603.8	606.5	595.0	586.1	590.5	581.8	582.6
35°	557.9	550.8	552.5	549.9	548.1	549.9	538.4	532.2	536.6	527.8	531.2
37.5°	496.0	483.6	488.9	487.1	485.4	486.2	475.6	471.2	476.5	471.2	473.9
40°	423.5	414.6	418.1	416.4	414.6	419.0	411.1	404.9	409.2	405.8	411.1
42.5°	344.8	337.8	342.1	341.2	338.6	343.9	337.8	333.2	340.4	338.6	343.0
45°	265.2	259.9	263.5	263.5	262.5	267.0	260.8	261.6	268.8	271.4	276.8
47.5°	191.9	183.9	188.2	191.0	191.0	195.4	191.9	195.4	203.4	208.6	213.0
50°	130.9	129.1	130.0	130.9	132.6	136.1	135.2	140.6	145.9	154.8	160.0
52.5°	86.6	84.9	86.6	87.5	89.2	92.9	92.9	99.0	105.2	113.1	119.4
55°	53.9	53.0	53.9	54.8	56.6	60.1	61.0	67.1	73.4	81.4	86.6
57.5°	31.0	31.9	31.9	33.6	34.5	37.1	39.8	43.4	50.4	58.4	63.6
60°	17.6	17.6	18.6	19.5	20.4	23.0	24.8	28.2	33.6	41.5	45.1
62.5°	11.5	11.5	12.4	12.4	13.2	15.0	16.8	20.4	24.8	31.0	34.5
65°	9.8	9.8	9.8	10.6	10.6	12.4	14.1	16.8	20.4	24.8	28.2
67.5°	8.0	8.0	8.0	8.9	8.9	9.8	11.5	13.2	15.9	19.5	22.1
70°	6.2	6.2	6.2	7.1	7.1	8.0	8.9	9.8	12.4	15.0	16.8
72.5°	4.4	4.4	5.2	5.2	5.2	6.2	7.1	8.0	9.8	11.5	12.4
75°	3.5	3.5	3.5	3.5	4.4	4.4	5.2	6.2	7.1	8.0	8.9
77.5°	1.8	1.8	2.6	2.6	2.6	3.5	3.5	4.4	5.2	6.2	6.2
80°	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	3.5	4.4	4.4
82.5°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	2.6	2.6	2.6
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4	759.4
2.5°	747.9	750.5	750.5	747.9	740.9	747.0	753.2	747.0	755.0	740.9	740.9
5°	747.9	749.6	748.8	745.2	738.1	743.5	747.9	741.8	747.9	734.6	733.8
7.5°	749.6	747.9	746.1	741.8	732.9	736.4	740.9	733.8	740.0	725.8	724.0
10°	746.1	743.5	740.0	733.8	724.0	726.6	729.4	723.1	727.6	713.4	712.5
12.5°	746.1	741.8	736.4	729.4	718.8	720.5	723.1	715.2	718.8	705.5	703.8
15°	747.9	740.0	733.8	725.8	714.2	715.2	717.0	708.1	711.6	697.5	696.6
17.5°	741.8	732.9	726.6	717.0	704.6	705.5	705.5	696.6	699.2	685.1	684.2
20°	728.5	717.9	710.8	701.9	688.6	688.6	688.6	679.9	681.6	669.2	667.5
22.5°	709.9	698.4	691.4	682.5	670.1	669.2	668.4	661.2	661.2	649.8	647.1
25°	685.1	674.5	667.5	659.5	647.1	645.4	645.4	639.1	638.2	627.6	625.9
27.5°	656.9	644.5	638.2	631.2	619.8	618.0	617.0	613.5	611.8	600.2	599.4
30°	618.9	608.2	602.9	596.8	586.1	584.4	583.5	579.9	579.0	567.5	567.5
32.5°	578.1	564.9	561.4	555.1	547.2	546.4	547.2	542.8	539.2	531.2	529.5
35°	529.5	516.2	513.6	511.0	504.8	503.0	502.1	501.2	496.9	491.5	488.9
37.5°	473.0	461.5	461.5	460.6	456.1	456.1	456.1	454.4	450.0	448.2	442.9
40°	412.0	403.1	404.0	404.9	403.1	404.0	404.9	403.1	399.6	397.9	393.4
42.5°	346.5	342.1	345.6	348.2	348.2	351.0	352.8	352.8	348.2	347.4	343.9
45°	281.1	280.2	287.4	292.6	294.4	298.8	301.5	299.8	299.8	299.8	296.1
47.5°	220.1	223.6	229.9	240.5	244.0	249.2	251.1	253.8	252.9	253.8	251.1
50°	167.1	175.0	183.0	193.6	198.9	205.1	207.8	211.2	211.2	212.1	210.4
52.5°	126.4	132.6	145.9	153.0	159.1	165.4	168.9	172.4	173.2	173.2	171.5
55°	93.8	102.5	111.4	121.1	126.4	132.6	135.2	138.8	138.8	140.6	138.8
57.5°	68.1	76.9	86.6	93.8	99.9	104.4	107.0	109.6	111.4	111.4	110.5
60°	50.4	57.5	65.4	72.5	77.8	82.2	84.0	86.6	87.5	87.5	85.8
62.5°	38.0	45.1	52.1	58.4	61.9	65.4	67.1	69.0	69.0	69.0	68.1
65°	31.0	36.2	41.5	46.9	50.4	53.0	53.9	55.8	54.8	55.8	54.8
67.5°	24.8	28.2	32.8	36.2	38.9	40.6	41.5	43.4	42.4	43.4	42.4
70°	18.6	22.1	24.8	27.4	29.1	31.0	31.9	32.8	31.9	32.8	31.9
72.5°	14.1	15.9	18.6	21.2	22.1	23.0	23.9	23.9	23.9	24.8	23.9
75°	9.8	11.5	13.2	14.1	15.9	16.8	16.8	17.6	17.6	17.6	17.6
77.5°	7.1	8.0	8.9	9.8	10.6	11.5	11.5	12.4	12.4	12.4	12.4
80°	4.4	5.2	5.2	6.2	7.1	7.1	8.0	8.0	8.0	8.0	8.0
82.5°	2.6	3.5	3.5	4.4	4.4	4.4	5.2	5.2	5.2	5.2	5.2
85°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	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):

	345°	350°	355°	360°
0°	759.4	759.4	759.4	759.4
2.5°	747.9	743.5	750.5	740.0
5°	740.0	735.5	744.4	731.1
7.5°	730.2	725.8	733.8	720.5
10°	717.9	713.4	720.5	706.4
12.5°	707.2	702.9	710.8	697.5
15°	699.2	694.9	701.9	689.5
17.5°	686.9	681.6	689.5	676.2
20°	669.2	665.6	671.9	658.6
22.5°	648.9	645.4	652.4	639.1
25°	627.6	623.2	630.4	617.0
27.5°	600.2	596.8	603.8	590.5
30°	567.5	564.0	571.1	558.8
32.5°	530.4	526.9	532.2	521.6
35°	488.0	485.4	490.6	479.1
37.5°	442.0	439.4	444.6	433.1
40°	392.5	389.9	394.2	389.0
42.5°	343.9	341.2	345.6	341.2
45°	296.1	294.4	298.8	294.4
47.5°	252.0	250.1	254.6	250.1
50°	209.5	210.4	212.1	210.4
52.5°	171.5	171.5	174.1	171.5
55°	138.8	139.6	140.6	138.8
57.5°	110.5	110.5	111.4	110.5
60°	85.8	86.6	86.6	85.8
62.5°	68.1	68.1	68.1	68.1
65°	53.9	53.9	54.8	53.9
67.5°	42.4	41.5	42.4	41.5
70°	31.9	31.9	31.9	31.9
72.5°	24.8	24.8	23.9	23.9
75°	17.6	18.6	17.6	17.6
77.5°	12.4	12.4	12.4	12.4
80°	8.0	8.0	8.0	8.0
82.5°	5.2	5.2	5.2	5.2
85°	3.5	2.6	2.6	2.6
87.5°	1.8	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)