

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: P212794

Luminaire Tested: **LE_6B15D010 EC6B10209727 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212794
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_6B15D010 EC6B10209727 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1250.5 lumens
Efficiency: N/A
Efficacy: 86.8 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

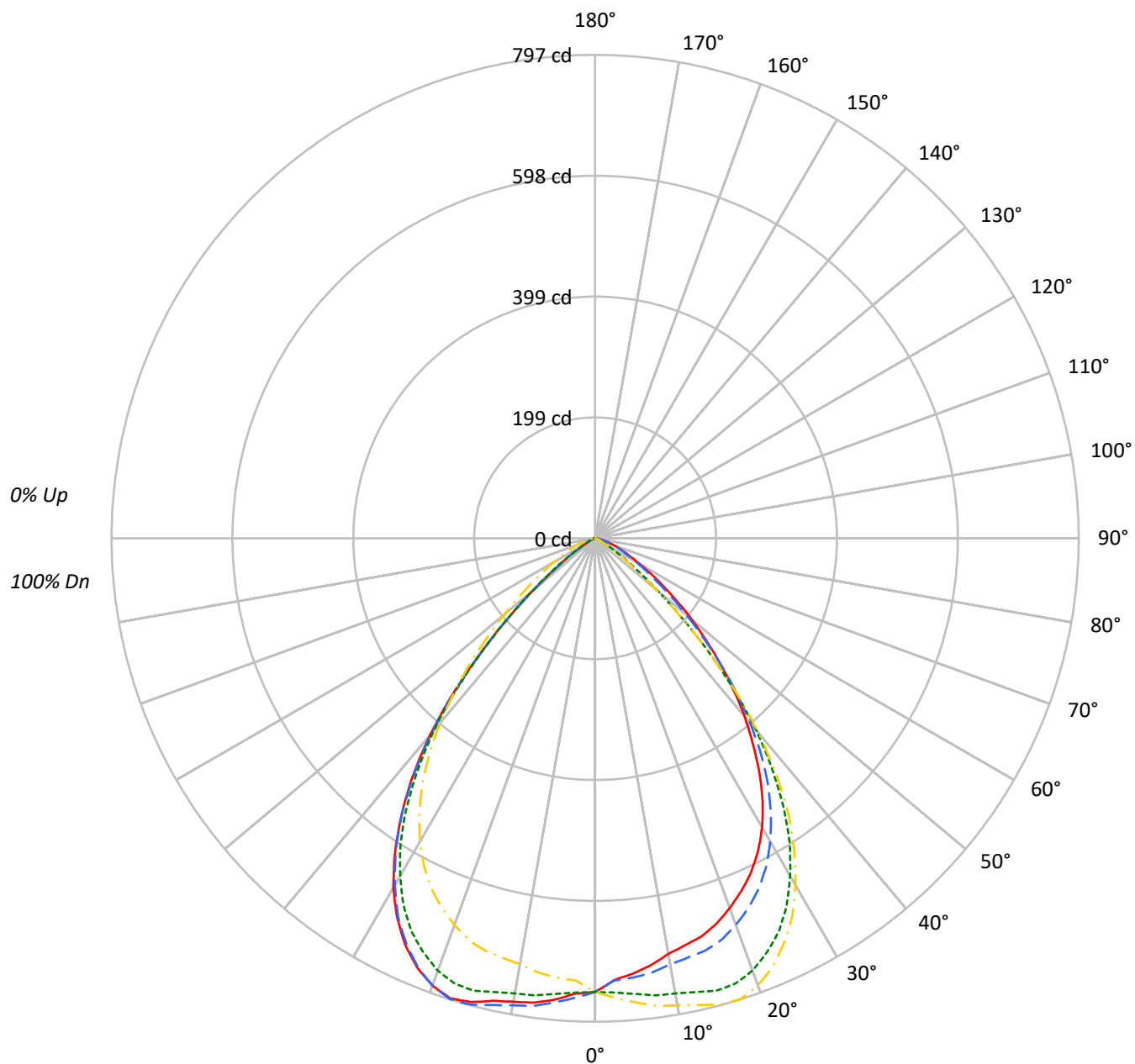
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	41000	41000	41000	41000
5°	39627	41492	42021	41492
10°	38721	42412	43186	42412
15°	38542	43825	44921	43825
20°	37838	44244	45766	44244
25°	36764	43297	44767	43297
30°	34828	40677	42108	40677
35°	31581	36246	37236	36246
40°	27416	29541	30278	29541
45°	22483	20390	20529	20390
50°	17671	11437	11215	11437
55°	13075	5658	5075	5658
60°	9265	2478	1809	2478
65°	6888	1583	1141	1583
70°	5033	1266	833	1266
75°	3685	932	551	932
80°	2494	821	284	821
85°	1635	566	566	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	5.7
10°-20°	212.1	17.0
20°-30°	316.5	25.3
30°-40°	325.1	26.0
40°-50°	210.6	16.8
50°-60°	78.3	6.3
60°-70°	25.7	2.1
70°-80°	9.1	0.7
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°-30°	600.1	48.0
0°-40°	925.3	74.0
0°-60°	1214.1	97.1
0°-90°	1250.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	748	748	748	748	748	
5°	720	754	764	754	720	68
15°	679	772	792	772	679	191
25°	608	716	740	716	608	279
35°	472	542	556	542	472	293
45°	290	263	265	263	290	224
55°	137	59	53	59	137	125
65°	53	12	9	12	53	54
75°	17	4	3	4	17	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°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	728.8	739.2	732.2	736.6	729.6	729.6	743.6	735.8	741.9	735.8	729.6
5°	720.1	733.1	724.4	728.8	722.6	723.5	736.6	730.5	736.6	732.2	727.0
7.5°	709.6	722.6	714.9	719.2	713.1	714.9	728.8	722.6	729.6	725.2	721.8
10°	695.6	709.6	702.6	707.0	701.8	702.6	716.6	712.2	718.4	715.8	713.1
12.5°	687.0	700.0	692.2	696.5	693.1	694.9	707.9	704.4	712.2	709.6	707.9
15°	679.1	691.4	684.4	688.8	686.1	687.0	700.9	697.4	706.1	704.4	703.5
17.5°	666.1	679.1	671.2	676.5	673.9	674.8	688.8	686.1	694.9	694.9	694.0
20°	648.6	661.8	655.6	659.1	657.4	659.1	671.2	669.6	678.2	678.2	678.2
22.5°	629.5	642.6	635.6	639.1	637.4	640.0	651.2	651.2	658.2	659.1	660.0
25°	607.8	620.8	613.9	618.2	616.5	618.2	628.6	629.5	635.6	635.6	637.4
27.5°	581.6	594.6	587.8	591.2	590.4	591.2	602.5	604.2	607.8	608.6	610.4
30°	550.2	562.5	555.5	559.0	559.0	559.0	570.2	571.1	574.6	575.5	577.2
32.5°	513.8	524.1	518.9	522.4	521.5	523.2	531.1	534.6	539.0	538.1	539.0
35°	471.9	483.2	478.0	480.6	481.5	484.1	489.4	493.6	494.5	495.4	497.1
37.5°	426.6	438.0	432.8	435.4	436.2	441.5	443.1	447.5	449.2	449.2	449.2
40°	383.1	388.4	384.0	386.6	387.5	391.9	393.5	397.0	398.8	397.9	397.0
42.5°	336.1	340.5	336.1	338.8	338.8	342.1	343.0	347.4	347.4	345.6	343.0
45°	290.0	294.2	290.0	291.6	291.6	295.1	295.1	295.1	296.9	294.2	290.0
47.5°	246.4	250.8	246.4	248.1	247.2	249.9	249.0	249.9	247.2	245.5	240.2
50°	207.2	209.0	207.2	206.4	207.2	209.0	208.1	208.1	204.6	202.0	195.9
52.5°	168.9	171.5	168.9	168.9	168.9	170.6	170.6	169.8	166.2	162.9	156.8
55°	136.8	138.5	137.6	136.8	136.8	138.5	136.8	136.8	133.2	130.6	124.5
57.5°	108.9	109.8	108.9	108.9	108.9	109.8	109.8	108.0	105.4	102.8	98.4
60°	84.5	85.4	85.4	84.5	84.5	86.2	86.2	85.4	82.8	81.0	76.6
62.5°	67.0	67.0	67.0	67.0	67.0	67.9	67.9	67.9	66.1	64.4	61.0
65°	53.1	54.0	53.1	53.1	54.0	54.9	54.0	54.9	53.1	52.2	49.6
67.5°	40.9	41.8	40.9	41.8	41.8	42.6	41.8	42.6	40.9	40.0	38.2
70°	31.4	31.4	31.4	31.4	31.4	32.2	31.4	32.2	31.4	30.5	28.8
72.5°	23.5	23.5	24.4	24.4	23.5	24.4	23.5	23.5	23.5	22.6	21.8
75°	17.4	17.4	18.2	17.4	17.4	17.4	17.4	17.4	16.5	16.5	15.6
77.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	11.4	11.4	10.5
80°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.0	7.0
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°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	736.6	739.2	739.2	736.6	742.8	737.5	747.9	738.4	741.0	749.6	748.8
5°	734.0	737.5	738.4	736.6	744.5	740.1	750.5	741.0	745.4	754.0	754.0
7.5°	730.5	734.9	736.6	738.4	745.4	741.0	753.1	743.6	749.6	760.1	759.2
10°	722.6	728.8	732.2	734.9	741.9	739.2	752.2	744.5	749.6	761.9	761.0
12.5°	718.4	725.2	730.5	734.9	742.8	741.0	754.0	747.0	754.0	766.2	766.2
15°	714.9	722.6	728.8	736.6	744.5	742.8	756.6	750.5	757.5	772.2	771.4
17.5°	706.1	715.8	721.8	730.5	738.4	737.5	752.2	747.9	755.8	769.8	770.6
20°	691.4	700.0	707.0	717.5	726.1	724.4	740.1	735.8	743.6	758.4	759.2
22.5°	672.1	680.9	687.9	699.1	707.0	706.1	721.8	717.5	725.2	739.2	740.1
25°	649.5	657.4	664.4	674.8	683.5	683.5	697.4	693.1	701.8	715.8	715.8
27.5°	621.6	628.6	634.8	646.9	653.9	653.9	667.0	662.6	671.2	683.5	682.6
30°	587.8	593.9	599.0	609.5	615.6	616.5	627.8	623.4	632.1	642.6	642.6
32.5°	546.8	552.9	556.4	569.4	573.8	572.9	581.6	577.2	586.0	597.2	594.6
35°	503.2	505.9	508.5	521.5	523.2	519.8	528.5	524.1	530.2	541.6	539.9
37.5°	453.6	454.5	454.5	465.9	466.8	464.1	469.2	464.1	468.4	478.9	478.0
40°	398.8	397.9	397.0	405.8	404.9	399.6	403.1	398.8	404.9	412.8	408.4
42.5°	343.0	340.5	337.0	341.4	337.9	333.5	335.2	328.2	332.6	338.8	333.5
45°	288.2	283.0	276.0	276.9	272.5	267.2	264.8	257.8	256.9	263.0	258.6
47.5°	236.9	226.4	220.2	216.8	209.9	205.5	200.2	192.4	189.0	192.4	188.1
50°	190.6	180.2	172.4	164.5	157.6	152.4	143.6	138.5	133.2	134.1	130.6
52.5°	150.6	143.6	130.6	124.5	117.5	111.5	103.6	97.5	91.4	91.4	88.0
55°	119.2	109.8	101.0	92.2	85.4	80.1	72.2	66.1	60.1	59.2	55.8
57.5°	92.2	85.4	75.8	67.0	62.8	57.5	49.6	42.6	39.1	36.6	34.0
60°	71.4	64.4	56.6	49.6	44.4	40.9	33.1	27.9	24.4	22.6	20.0
62.5°	57.5	51.4	44.4	37.5	34.0	30.5	24.4	20.0	16.5	14.8	13.0
65°	46.1	40.9	35.8	30.5	27.9	24.4	20.0	16.5	13.9	12.2	10.5
67.5°	35.8	32.2	27.9	24.4	21.8	19.1	15.6	13.0	11.4	9.6	8.8
70°	27.0	24.4	21.8	18.2	16.5	14.8	12.2	9.6	8.8	7.9	7.0
72.5°	20.9	18.2	15.6	13.9	12.2	11.4	9.6	7.9	7.0	6.1	5.2
75°	13.9	13.0	11.4	9.6	8.8	7.9	7.0	6.1	5.2	4.4	4.4
77.5°	9.6	8.8	7.9	7.0	6.1	6.1	5.2	4.4	3.5	3.5	2.6
80°	6.1	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°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	741.9	749.6	749.6	756.6	757.5	755.8	747.9	747.9	758.4	764.5	754.0
5°	748.8	756.6	756.6	763.6	767.1	764.5	756.6	757.5	768.0	774.9	764.5
7.5°	754.9	762.8	764.5	772.2	774.9	772.2	764.5	766.2	777.5	783.6	773.1
10°	757.5	765.4	766.2	774.9	778.4	774.9	768.9	769.8	781.9	786.2	776.6
12.5°	763.6	771.4	771.4	781.0	784.5	781.9	774.0	775.8	788.0	792.4	782.8
15°	769.8	777.5	777.5	788.0	792.4	788.9	782.8	783.6	795.9	800.1	792.4
17.5°	769.8	776.6	776.6	788.0	792.4	789.8	782.8	783.6	796.6	800.1	792.4
20°	758.4	766.2	764.5	775.8	780.1	777.5	771.4	771.4	784.5	788.0	780.1
22.5°	740.1	747.0	745.4	755.8	761.0	757.5	752.2	751.4	764.5	768.0	760.1
25°	714.9	721.8	720.1	730.5	735.8	731.4	725.2	726.1	736.6	741.9	734.9
27.5°	685.2	689.6	687.0	697.4	702.6	698.2	692.2	693.1	703.5	707.0	701.8
30°	645.1	648.6	646.0	654.8	658.2	655.6	650.4	650.4	660.0	664.4	659.1
32.5°	597.2	599.9	597.2	604.2	611.2	606.0	600.8	600.8	611.2	614.8	608.6
35°	541.6	544.1	542.5	549.4	554.6	547.6	543.4	541.6	555.5	553.8	550.2
37.5°	479.8	481.5	476.2	488.5	491.1	483.2	479.8	478.0	490.2	489.4	485.9
40°	410.1	411.9	408.4	417.1	417.9	411.9	409.2	406.6	418.8	417.9	415.4
42.5°	336.1	337.0	332.6	339.6	341.4	335.2	334.4	330.9	342.1	340.5	339.6
45°	259.5	259.5	256.0	261.2	263.0	257.8	256.0	255.1	263.0	263.0	261.2
47.5°	188.1	185.5	181.1	189.0	189.8	186.4	185.5	182.9	190.6	190.6	189.0
50°	128.9	128.0	127.1	128.9	129.8	125.4	128.0	125.4	129.8	129.8	129.8
52.5°	86.2	85.4	83.6	85.4	85.4	82.8	82.8	81.9	85.4	85.4	83.6
55°	54.0	53.1	52.2	53.1	53.1	50.5	52.2	50.5	52.2	52.2	51.4
57.5°	33.1	31.4	31.4	30.5	30.5	28.8	29.6	29.6	29.6	29.6	29.6
60°	19.1	18.2	17.4	17.4	17.4	16.5	16.5	16.5	16.5	16.5	16.5
62.5°	12.2	12.2	11.4	11.4	11.4	11.4	11.4	10.5	11.4	11.4	11.4
65°	10.5	9.6	9.6	9.6	9.6	8.8	8.8	8.8	8.8	8.8	8.8
67.5°	8.8	7.9	7.9	7.9	7.9	7.0	7.0	7.0	7.0	7.0	7.0
70°	7.0	6.1	6.1	6.1	6.1	6.1	5.2	6.1	6.1	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°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	766.2	757.5	753.1	761.9	765.4	761.0	757.5	751.4	757.5	761.0	765.4
5°	776.6	768.9	765.4	771.4	776.6	772.2	769.8	763.6	769.8	772.2	776.6
7.5°	786.2	778.4	774.0	780.1	786.2	780.1	777.5	772.2	777.5	780.1	786.2
10°	789.8	781.0	777.5	782.8	788.9	782.8	779.2	775.8	779.2	782.8	788.9
12.5°	795.9	787.1	782.8	787.1	793.2	787.1	783.6	781.0	783.6	787.1	793.2
15°	804.5	796.6	791.5	795.9	803.6	796.6	792.4	791.5	792.4	796.6	803.6
17.5°	804.5	798.4	793.2	796.6	804.5	799.2	793.2	795.0	793.2	799.2	804.5
20°	793.2	787.1	782.8	782.8	794.1	787.1	781.9	784.5	781.9	787.1	794.1
22.5°	773.1	768.0	763.6	762.8	774.0	768.0	761.0	766.2	761.0	768.0	774.0
25°	747.0	741.9	738.4	736.6	747.9	741.0	734.9	740.1	734.9	741.0	747.9
27.5°	713.1	708.8	705.2	702.6	713.1	707.0	700.9	706.1	700.9	707.0	713.1
30°	669.6	667.0	663.5	660.0	670.4	664.4	658.2	665.2	658.2	664.4	670.4
32.5°	619.1	617.4	613.0	609.5	619.9	613.0	608.6	613.9	608.6	613.0	619.9
35°	560.8	558.1	555.5	549.4	560.8	554.6	554.6	556.4	554.6	554.6	560.8
37.5°	495.4	493.6	490.2	485.0	494.5	490.2	488.5	493.6	488.5	490.2	494.5
40°	422.2	421.4	418.8	412.8	423.1	418.8	416.2	423.1	416.2	418.8	423.1
42.5°	345.6	343.9	341.4	340.5	345.6	342.1	344.8	344.8	344.8	342.1	345.6
45°	266.4	264.8	263.0	259.5	265.5	263.9	263.0	264.8	263.0	263.9	265.5
47.5°	193.2	191.5	189.8	187.2	193.2	190.6	190.6	192.4	190.6	190.6	193.2
50°	129.8	130.6	129.8	128.0	129.8	128.9	129.8	131.5	129.8	128.9	129.8
52.5°	86.2	86.2	84.5	83.6	85.4	84.5	87.1	85.4	87.1	84.5	85.4
55°	52.2	53.1	52.2	51.4	52.2	51.4	54.0	53.1	54.0	51.4	52.2
57.5°	29.6	29.6	30.5	29.6	31.4	30.5	30.5	30.5	30.5	30.5	31.4
60°	16.5	16.5	16.5	16.5	16.5	16.5	17.4	16.5	17.4	16.5	16.5
62.5°	11.4	11.4	11.4	10.5	11.4	10.5	11.4	11.4	11.4	10.5	11.4
65°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
67.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
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



TEST NUMBER: P212794

CATALOG NUMBER: LE_6B15D010 EC6B10209727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	761.9	753.1	757.5	766.2	754.0	764.5	758.4	747.9	747.9	755.8	757.5
5°	771.4	765.4	768.9	776.6	764.5	774.9	768.0	757.5	756.6	764.5	767.1
7.5°	780.1	774.0	778.4	786.2	773.1	783.6	777.5	766.2	764.5	772.2	774.9
10°	782.8	777.5	781.0	789.8	776.6	786.2	781.9	769.8	768.9	774.9	778.4
12.5°	787.1	782.8	787.1	795.9	782.8	792.4	788.0	775.8	774.0	781.9	784.5
15°	795.9	791.5	796.6	804.5	792.4	800.1	795.9	783.6	782.8	788.9	792.4
17.5°	796.6	793.2	798.4	804.5	792.4	800.1	796.6	783.6	782.8	789.8	792.4
20°	782.8	782.8	787.1	793.2	780.1	788.0	784.5	771.4	771.4	777.5	780.1
22.5°	762.8	763.6	768.0	773.1	760.1	768.0	764.5	751.4	752.2	757.5	761.0
25°	736.6	738.4	741.9	747.0	734.9	741.9	736.6	726.1	725.2	731.4	735.8
27.5°	702.6	705.2	708.8	713.1	701.8	707.0	703.5	693.1	692.2	698.2	702.6
30°	660.0	663.5	667.0	669.6	659.1	664.4	660.0	650.4	650.4	655.6	658.2
32.5°	609.5	613.0	617.4	619.1	608.6	614.8	611.2	600.8	600.8	606.0	611.2
35°	549.4	555.5	558.1	560.8	550.2	553.8	555.5	541.6	543.4	547.6	554.6
37.5°	485.0	490.2	493.6	495.4	485.9	489.4	490.2	478.0	479.8	483.2	491.1
40°	412.8	418.8	421.4	422.2	415.4	417.9	418.8	406.6	409.2	411.9	417.9
42.5°	340.5	341.4	343.9	345.6	339.6	340.5	342.1	330.9	334.4	335.2	341.4
45°	259.5	263.0	264.8	266.4	261.2	263.0	263.0	255.1	256.0	257.8	263.0
47.5°	187.2	189.8	191.5	193.2	189.0	190.6	190.6	182.9	185.5	186.4	189.8
50°	128.0	129.8	130.6	129.8	129.8	129.8	129.8	125.4	128.0	125.4	129.8
52.5°	83.6	84.5	86.2	86.2	83.6	85.4	85.4	81.9	82.8	82.8	85.4
55°	51.4	52.2	53.1	52.2	51.4	52.2	52.2	50.5	52.2	50.5	53.1
57.5°	29.6	30.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	28.8	30.5
60°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	17.4
62.5°	10.5	11.4	11.4	11.4	11.4	11.4	11.4	10.5	11.4	11.4	11.4
65°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.6
67.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.9
70°	5.2	5.2	5.2	5.2	5.2	5.2	6.1	6.1	5.2	6.1	6.1
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



TEST NUMBER: P212794

CATALOG NUMBER: LE_6B15D010 EC6B10209727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	756.6	749.6	749.6	741.9	748.8	749.6	741.0	738.4	747.9	737.5	742.8
5°	763.6	756.6	756.6	748.8	754.0	754.0	745.4	741.0	750.5	740.1	744.5
7.5°	772.2	764.5	762.8	754.9	759.2	760.1	749.6	743.6	753.1	741.0	745.4
10°	774.9	766.2	765.4	757.5	761.0	761.9	749.6	744.5	752.2	739.2	741.9
12.5°	781.0	771.4	771.4	763.6	766.2	766.2	754.0	747.0	754.0	741.0	742.8
15°	788.0	777.5	777.5	769.8	771.4	772.2	757.5	750.5	756.6	742.8	744.5
17.5°	788.0	776.6	776.6	769.8	770.6	769.8	755.8	747.9	752.2	737.5	738.4
20°	775.8	764.5	766.2	758.4	759.2	758.4	743.6	735.8	740.1	724.4	726.1
22.5°	755.8	745.4	747.0	740.1	740.1	739.2	725.2	717.5	721.8	706.1	707.0
25°	730.5	720.1	721.8	714.9	715.8	715.8	701.8	693.1	697.4	683.5	683.5
27.5°	697.4	687.0	689.6	685.2	682.6	683.5	671.2	662.6	667.0	653.9	653.9
30°	654.8	646.0	648.6	645.1	642.6	642.6	632.1	623.4	627.8	616.5	615.6
32.5°	604.2	597.2	599.9	597.2	594.6	597.2	586.0	577.2	581.6	572.9	573.8
35°	549.4	542.5	544.1	541.6	539.9	541.6	530.2	524.1	528.5	519.8	523.2
37.5°	488.5	476.2	481.5	479.8	478.0	478.9	468.4	464.1	469.2	464.1	466.8
40°	417.1	408.4	411.9	410.1	408.4	412.8	404.9	398.8	403.1	399.6	404.9
42.5°	339.6	332.6	337.0	336.1	333.5	338.8	332.6	328.2	335.2	333.5	337.9
45°	261.2	256.0	259.5	259.5	258.6	263.0	256.9	257.8	264.8	267.2	272.5
47.5°	189.0	181.1	185.5	188.1	188.1	192.4	189.0	192.4	200.2	205.5	209.9
50°	128.9	127.1	128.0	128.9	130.6	134.1	133.2	138.5	143.6	152.4	157.6
52.5°	85.4	83.6	85.4	86.2	88.0	91.4	91.4	97.5	103.6	111.5	117.5
55°	53.1	52.2	53.1	54.0	55.8	59.2	60.1	66.1	72.2	80.1	85.4
57.5°	30.5	31.4	31.4	33.1	34.0	36.6	39.1	42.6	49.6	57.5	62.8
60°	17.4	17.4	18.2	19.1	20.0	22.6	24.4	27.9	33.1	40.9	44.4
62.5°	11.4	11.4	12.2	12.2	13.0	14.8	16.5	20.0	24.4	30.5	34.0
65°	9.6	9.6	9.6	10.5	10.5	12.2	13.9	16.5	20.0	24.4	27.9
67.5°	7.9	7.9	7.9	8.8	8.8	9.6	11.4	13.0	15.6	19.1	21.8
70°	6.1	6.1	6.1	7.0	7.0	7.9	8.8	9.6	12.2	14.8	16.5
72.5°	4.4	4.4	5.2	5.2	5.2	6.1	7.0	7.9	9.6	11.4	12.2
75°	3.5	3.5	3.5	3.5	4.4	4.4	5.2	6.1	7.0	7.9	8.8
77.5°	1.8	1.8	2.6	2.6	2.6	3.5	3.5	4.4	5.2	6.1	6.1
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



TEST NUMBER: P212794

CATALOG NUMBER: LE_6B15D010 EC6B10209727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	736.6	739.2	739.2	736.6	729.6	735.8	741.9	735.8	743.6	729.6	729.6
5°	736.6	738.4	737.5	734.0	727.0	732.2	736.6	730.5	736.6	723.5	722.6
7.5°	738.4	736.6	734.9	730.5	721.8	725.2	729.6	722.6	728.8	714.9	713.1
10°	734.9	732.2	728.8	722.6	713.1	715.8	718.4	712.2	716.6	702.6	701.8
12.5°	734.9	730.5	725.2	718.4	707.9	709.6	712.2	704.4	707.9	694.9	693.1
15°	736.6	728.8	722.6	714.9	703.5	704.4	706.1	697.4	700.9	687.0	686.1
17.5°	730.5	721.8	715.8	706.1	694.0	694.9	694.9	686.1	688.8	674.8	673.9
20°	717.5	707.0	700.0	691.4	678.2	678.2	678.2	669.6	671.2	659.1	657.4
22.5°	699.1	687.9	680.9	672.1	660.0	659.1	658.2	651.2	651.2	640.0	637.4
25°	674.8	664.4	657.4	649.5	637.4	635.6	635.6	629.5	628.6	618.2	616.5
27.5°	646.9	634.8	628.6	621.6	610.4	608.6	607.8	604.2	602.5	591.2	590.4
30°	609.5	599.0	593.9	587.8	577.2	575.5	574.6	571.1	570.2	559.0	559.0
32.5°	569.4	556.4	552.9	546.8	539.0	538.1	539.0	534.6	531.1	523.2	521.5
35°	521.5	508.5	505.9	503.2	497.1	495.4	494.5	493.6	489.4	484.1	481.5
37.5°	465.9	454.5	454.5	453.6	449.2	449.2	449.2	447.5	443.1	441.5	436.2
40°	405.8	397.0	397.9	398.8	397.0	397.9	398.8	397.0	393.5	391.9	387.5
42.5°	341.4	337.0	340.5	343.0	343.0	345.6	347.4	347.4	343.0	342.1	338.8
45°	276.9	276.0	283.0	288.2	290.0	294.2	296.9	295.1	295.1	295.1	291.6
47.5°	216.8	220.2	226.4	236.9	240.2	245.5	247.2	249.9	249.0	249.9	247.2
50°	164.5	172.4	180.2	190.6	195.9	202.0	204.6	208.1	208.1	209.0	207.2
52.5°	124.5	130.6	143.6	150.6	156.8	162.9	166.2	169.8	170.6	170.6	168.9
55°	92.2	101.0	109.8	119.2	124.5	130.6	133.2	136.8	136.8	138.5	136.8
57.5°	67.0	75.8	85.4	92.2	98.4	102.8	105.4	108.0	109.8	109.8	108.9
60°	49.6	56.6	64.4	71.4	76.6	81.0	82.8	85.4	86.2	86.2	84.5
62.5°	37.5	44.4	51.4	57.5	61.0	64.4	66.1	67.9	67.9	67.9	67.0
65°	30.5	35.8	40.9	46.1	49.6	52.2	53.1	54.9	54.0	54.9	54.0
67.5°	24.4	27.9	32.2	35.8	38.2	40.0	40.9	42.6	41.8	42.6	41.8
70°	18.2	21.8	24.4	27.0	28.8	30.5	31.4	32.2	31.4	32.2	31.4
72.5°	13.9	15.6	18.2	20.9	21.8	22.6	23.5	23.5	23.5	24.4	23.5
75°	9.6	11.4	13.0	13.9	15.6	16.5	16.5	17.4	17.4	17.4	17.4
77.5°	7.0	7.9	8.8	9.6	10.5	11.4	11.4	12.2	12.2	12.2	12.2
80°	4.4	5.2	5.2	6.1	7.0	7.0	7.9	7.9	7.9	7.9	7.9
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



TEST NUMBER: P212794

CATALOG NUMBER: LE_6B15D010 EC6B10209727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	747.9	747.9	747.9	747.9
2.5°	736.6	732.2	739.2	728.8
5°	728.8	724.4	733.1	720.1
7.5°	719.2	714.9	722.6	709.6
10°	707.0	702.6	709.6	695.6
12.5°	696.5	692.2	700.0	687.0
15°	688.8	684.4	691.4	679.1
17.5°	676.5	671.2	679.1	666.1
20°	659.1	655.6	661.8	648.6
22.5°	639.1	635.6	642.6	629.5
25°	618.2	613.9	620.8	607.8
27.5°	591.2	587.8	594.6	581.6
30°	559.0	555.5	562.5	550.2
32.5°	522.4	518.9	524.1	513.8
35°	480.6	478.0	483.2	471.9
37.5°	435.4	432.8	438.0	426.6
40°	386.6	384.0	388.4	383.1
42.5°	338.8	336.1	340.5	336.1
45°	291.6	290.0	294.2	290.0
47.5°	248.1	246.4	250.8	246.4
50°	206.4	207.2	209.0	207.2
52.5°	168.9	168.9	171.5	168.9
55°	136.8	137.6	138.5	136.8
57.5°	108.9	108.9	109.8	108.9
60°	84.5	85.4	85.4	84.5
62.5°	67.0	67.0	67.0	67.0
65°	53.1	53.1	54.0	53.1
67.5°	41.8	40.9	41.8	40.9
70°	31.4	31.4	31.4	31.4
72.5°	24.4	24.4	23.5	23.5
75°	17.4	18.2	17.4	17.4
77.5°	12.2	12.2	12.2	12.2
80°	7.9	7.9	7.9	7.9
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)