

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: P212773

Luminaire Tested: **LE_6B10D010 EC6B10208040 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212773
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 EC6B10208040 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1315.3 lumens
Efficiency: N/A
Efficacy: 131.5 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

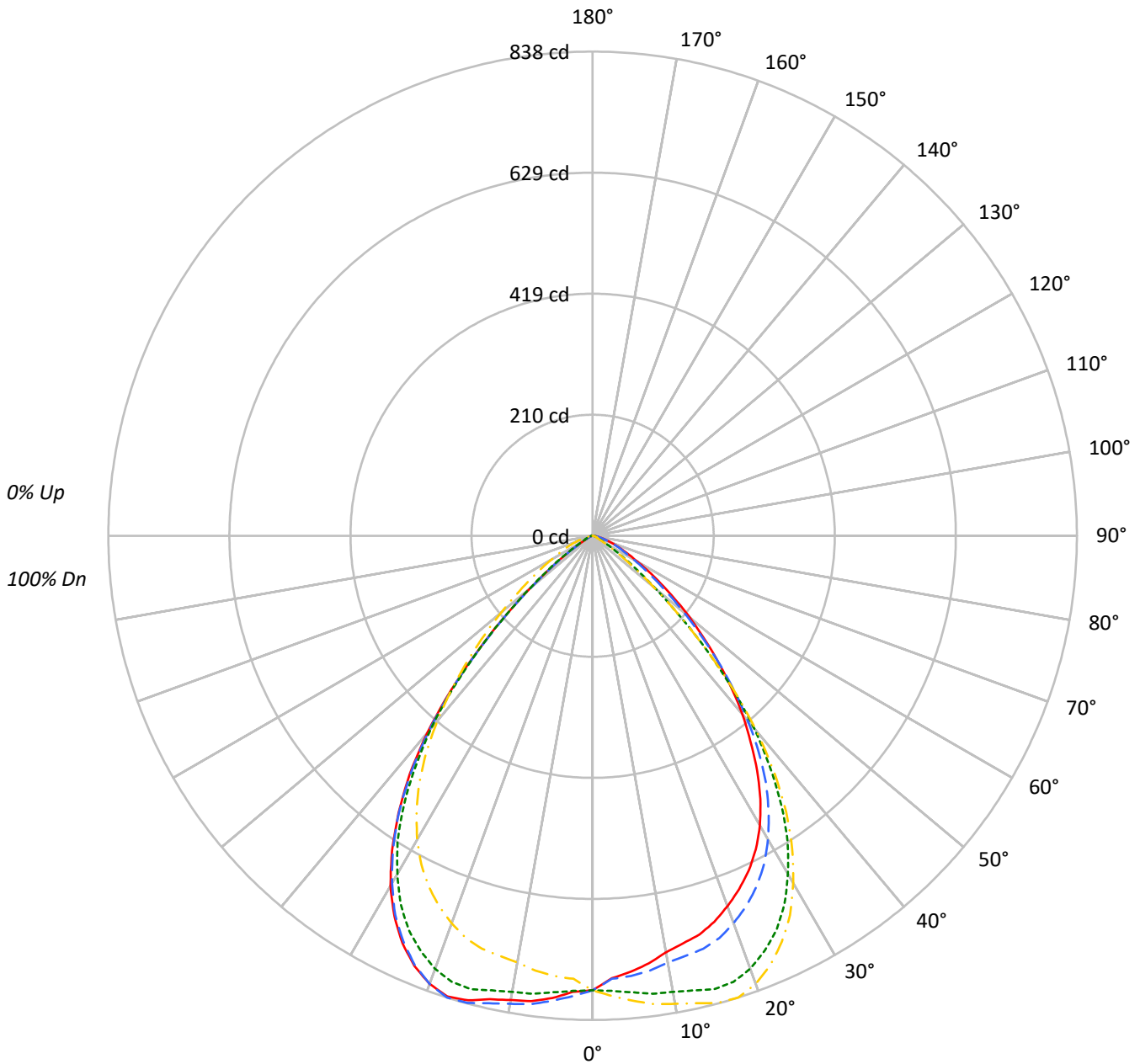
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	0																
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°	43122	43122	43122	43122
5°	41679	43644	44194	43644
10°	40736	44611	45423	44611
15°	40545	46107	47248	46107
20°	39798	46531	48135	46531
25°	38664	45535	47083	45535
30°	36639	42785	44285	42785
35°	33221	38119	39163	38119
40°	28840	31065	31853	31065
45°	23646	21444	21584	21444
50°	18592	12025	11786	12025
55°	13744	5945	5343	5945
60°	9747	2609	1908	2609
65°	7251	1673	1180	1673
70°	5289	1314	882	1314
75°	3897	974	593	974
80°	2589	884	284	884
85°	1761	566	566	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	5.7
10°-20°	223.0	17.0
20°-30°	332.9	25.3
30°-40°	342.0	26.0
40°-50°	221.5	16.8
50°-60°	82.4	6.3
60°-70°	27.0	2.1
70°-80°	9.6	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°	631.2	48.0
0°-40°	973.2	74.0
0°-60°	1277.0	97.1
0°-90°	1315.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	787	787	787	787	787	
5°	757	793	803	793	757	72
15°	714	812	832	812	714	201
25°	639	753	778	753	639	293
35°	496	570	585	570	496	308
45°	305	277	278	277	305	236
55°	144	62	56	62	144	131
65°	56	13	9	13	56	57
75°	18	5	3	5	18	20
85°	3	1	1	1	3	4
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°	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6
2.5°	766.5	777.5	770.2	774.8	767.5	767.5	782.1	773.9	780.2	773.9	767.5
5°	757.4	771.1	762.0	766.5	760.1	761.0	774.8	768.4	774.8	770.2	764.8
7.5°	746.4	760.1	751.9	756.5	750.0	751.9	766.5	760.1	767.5	762.9	759.2
10°	731.8	746.4	739.0	743.6	738.1	739.0	753.8	749.1	755.5	752.8	750.0
12.5°	722.6	736.2	728.1	732.6	729.0	730.8	744.5	740.9	749.1	746.4	744.5
15°	714.4	727.1	719.9	724.4	721.6	722.6	737.2	733.5	742.8	740.9	740.0
17.5°	700.6	714.4	706.1	711.6	708.9	709.8	724.4	721.6	730.8	730.8	729.9
20°	682.2	696.0	689.6	693.2	691.4	693.2	706.1	704.2	713.4	713.4	713.4
22.5°	662.1	675.9	668.5	672.2	670.4	673.1	685.0	685.0	692.4	693.2	694.1
25°	639.2	653.0	645.6	650.2	648.4	650.2	661.2	662.1	668.5	668.5	670.4
27.5°	611.8	625.5	618.1	621.9	620.9	621.9	633.8	635.6	639.2	640.1	642.0
30°	578.8	591.6	584.2	588.0	588.0	588.0	599.9	600.8	604.4	605.4	607.1
32.5°	540.4	551.4	545.9	549.5	548.6	550.4	558.6	562.2	566.9	566.0	566.9
35°	496.4	508.2	502.8	505.5	506.5	509.1	514.6	519.2	520.1	521.1	522.9
37.5°	448.8	460.6	455.1	457.9	458.9	464.2	466.1	470.8	472.5	472.5	472.5
40°	403.0	408.5	403.9	406.6	407.5	412.1	414.0	417.6	419.5	418.5	417.6
42.5°	353.5	358.1	353.5	356.2	356.2	359.9	360.9	365.4	365.4	363.6	360.9
45°	305.0	309.5	305.0	306.8	306.8	310.5	310.5	310.5	312.2	309.5	305.0
47.5°	259.1	263.8	259.1	261.0	260.1	262.9	261.9	262.9	260.1	258.2	252.8
50°	218.0	219.8	218.0	217.0	218.0	219.8	218.9	218.9	215.2	212.5	206.0
52.5°	177.6	180.4	177.6	177.6	177.6	179.5	179.5	178.6	174.9	171.2	164.9
55°	143.8	145.6	144.8	143.8	143.8	145.6	143.8	143.8	140.1	137.4	131.0
57.5°	114.5	115.4	114.5	114.5	114.5	115.4	115.4	113.5	110.8	108.1	103.5
60°	88.9	89.8	89.8	88.9	88.9	90.6	90.6	89.8	87.0	85.1	80.6
62.5°	70.5	70.5	70.5	70.5	70.5	71.4	71.4	71.4	69.6	67.8	64.1
65°	55.9	56.8	55.9	55.9	56.8	57.8	56.8	57.8	55.9	55.0	52.2
67.5°	43.0	44.0	43.0	44.0	44.0	44.9	44.0	44.9	43.0	42.1	40.2
70°	33.0	33.0	33.0	33.0	33.0	33.9	33.0	33.9	33.0	32.0	30.2
72.5°	24.8	24.8	25.6	25.6	24.8	25.6	24.8	24.8	24.8	23.8	22.9
75°	18.4	18.4	19.2	18.4	18.4	18.4	18.4	18.4	17.4	17.4	16.5
77.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	11.9	11.9	11.0
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.4	7.4
82.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.6	4.6
85°	2.8	2.8	2.8	3.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	0.9	0.9	0.9	1.9	0.9	0.9	1.9	1.9	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6
2.5°	774.8	777.5	777.5	774.8	781.1	775.6	786.6	776.6	779.4	788.5	787.6
5°	772.0	775.6	776.6	774.8	783.0	778.4	789.4	779.4	783.9	793.1	793.1
7.5°	768.4	773.0	774.8	776.6	783.9	779.4	792.1	782.1	788.5	799.5	798.6
10°	760.1	766.5	770.2	773.0	780.2	777.5	791.2	783.0	788.5	801.4	800.4
12.5°	755.5	762.9	768.4	773.0	781.1	779.4	793.1	785.8	793.1	805.9	805.9
15°	751.9	760.1	766.5	774.8	783.0	781.1	795.9	789.4	796.8	812.4	811.4
17.5°	742.8	752.8	759.2	768.4	776.6	775.6	791.2	786.6	794.9	809.6	810.5
20°	727.1	736.2	743.6	754.6	763.8	762.0	778.4	773.9	782.1	797.6	798.6
22.5°	707.0	716.1	723.5	735.4	743.6	742.8	759.2	754.6	762.9	777.5	778.4
25°	683.2	691.4	698.8	709.8	718.9	718.9	733.5	729.0	738.1	752.8	752.8
27.5°	653.9	661.2	667.6	680.5	687.8	687.8	701.5	696.9	706.1	718.9	718.0
30°	618.1	624.6	630.1	641.0	647.5	648.4	660.2	655.8	664.9	675.9	675.9
32.5°	575.1	581.5	585.2	598.9	603.5	602.6	611.8	607.1	616.4	628.2	625.5
35°	529.4	532.1	534.9	548.6	550.4	546.8	555.9	551.4	557.8	569.6	567.8
37.5°	477.1	478.0	478.0	490.0	490.9	488.1	493.6	488.1	492.8	503.8	502.8
40°	419.5	418.5	417.6	426.8	425.9	420.4	424.0	419.5	425.9	434.1	429.5
42.5°	360.9	358.1	354.4	359.0	355.4	350.8	352.6	345.2	349.9	356.2	350.8
45°	303.1	297.6	290.2	291.2	286.6	281.1	278.4	271.1	270.1	276.6	272.0
47.5°	249.1	238.1	231.8	228.0	220.8	216.1	210.6	202.4	198.8	202.4	197.9
50°	200.5	189.6	181.4	173.1	165.8	160.2	151.1	145.6	140.1	141.0	137.4
52.5°	158.4	151.1	137.4	131.0	123.6	117.2	109.0	102.6	96.1	96.1	92.5
55°	125.5	115.4	106.2	97.1	89.8	84.2	76.0	69.6	63.2	62.2	58.6
57.5°	97.1	89.8	79.6	70.5	66.0	60.5	52.2	44.9	41.2	38.5	35.8
60°	75.1	67.8	59.5	52.2	46.8	43.0	34.8	29.2	25.6	23.8	21.1
62.5°	60.5	54.0	46.8	39.4	35.8	32.0	25.6	21.1	17.4	15.6	13.8
65°	48.5	43.0	37.5	32.0	29.2	25.6	21.1	17.4	14.6	12.9	11.0
67.5°	37.5	33.9	29.2	25.6	22.9	20.1	16.5	13.8	11.9	10.1	9.1
70°	28.4	25.6	22.9	19.2	17.4	15.6	12.9	10.1	9.1	8.2	7.4
72.5°	22.0	19.2	16.5	14.6	12.9	11.9	10.1	8.2	7.4	6.4	5.5
75°	14.6	13.8	11.9	10.1	9.1	8.2	7.4	6.4	5.5	4.6	4.6
77.5°	10.1	9.1	8.2	7.4	6.4	6.4	5.5	4.6	3.6	3.6	2.8
80°	6.4	5.5	5.5	4.6	4.6	4.6	3.6	2.8	2.8	2.8	1.9
82.5°	4.6	3.6	3.6	2.8	2.8	2.8	2.8	1.9	1.9	1.9	0.9
85°	2.8	1.9	1.9	1.9	1.9	1.9	1.9	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	0.9	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°	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6
2.5°	780.2	788.5	788.5	795.9	796.8	794.9	786.6	786.6	797.6	804.1	793.1
5°	787.6	795.9	795.9	803.1	806.9	804.1	795.9	796.8	807.8	815.1	804.1
7.5°	794.0	802.2	804.1	812.4	815.1	812.4	804.1	805.9	817.8	824.2	813.2
10°	796.8	805.0	805.9	815.1	818.8	815.1	808.6	809.6	822.4	827.0	816.9
12.5°	803.1	811.4	811.4	821.5	825.1	822.4	814.1	816.0	828.8	833.4	823.2
15°	809.6	817.8	817.8	828.8	833.4	829.8	823.2	824.2	837.0	841.6	833.4
17.5°	809.6	816.9	816.9	828.8	833.4	830.6	823.2	824.2	838.0	841.6	833.4
20°	797.6	805.9	804.1	816.0	820.5	817.8	811.4	811.4	825.1	828.8	820.5
22.5°	778.4	785.8	783.9	794.9	800.4	796.8	791.2	790.4	804.1	807.8	799.5
25°	751.9	759.2	757.4	768.4	773.9	769.2	762.9	763.8	774.8	780.2	773.0
27.5°	720.8	725.4	722.6	733.5	739.0	734.5	728.1	729.0	740.0	743.6	738.1
30°	678.6	682.2	679.5	688.6	692.4	689.6	684.1	684.1	694.1	698.8	693.2
32.5°	628.2	631.0	628.2	635.6	642.9	637.4	631.9	631.9	642.9	646.5	640.1
35°	569.6	572.4	570.5	577.9	583.4	576.0	571.5	569.6	584.2	582.5	578.8
37.5°	504.6	506.5	501.0	513.8	516.5	508.2	504.6	502.8	515.6	514.6	511.0
40°	431.4	433.1	429.5	438.6	439.6	433.1	430.4	427.6	440.5	439.6	436.9
42.5°	353.5	354.4	349.9	357.1	359.0	352.6	351.6	348.0	359.9	358.1	357.1
45°	272.9	272.9	269.2	274.8	276.6	271.1	269.2	268.4	276.6	276.6	274.8
47.5°	197.9	195.1	190.5	198.8	199.6	196.0	195.1	192.4	200.5	200.5	198.8
50°	135.5	134.6	133.8	135.5	136.5	131.9	134.6	131.9	136.5	136.5	136.5
52.5°	90.6	89.8	87.9	89.8	89.8	87.0	87.0	86.1	89.8	89.8	87.9
55°	56.8	55.9	55.0	55.9	55.9	53.1	55.0	53.1	55.0	55.0	54.0
57.5°	34.8	33.0	33.0	32.0	32.0	30.2	31.1	31.1	31.1	31.1	31.1
60°	20.1	19.2	18.4	18.4	18.4	17.4	17.4	17.4	17.4	17.4	17.4
62.5°	12.9	12.9	11.9	11.9	11.9	11.9	11.9	11.0	11.9	11.9	11.9
65°	11.0	10.1	10.1	10.1	10.1	9.1	9.1	9.1	9.1	9.1	9.1
67.5°	9.1	8.2	8.2	8.2	8.2	7.4	7.4	7.4	7.4	7.4	7.4
70°	7.4	6.4	6.4	6.4	6.4	6.4	5.5	6.4	6.4	5.5	5.5
72.5°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	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°	0.9	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°	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6
2.5°	805.9	796.8	792.1	801.4	805.0	800.4	796.8	790.4	796.8	800.4	805.0
5°	816.9	808.6	805.0	811.4	816.9	812.4	809.6	803.1	809.6	812.4	816.9
7.5°	827.0	818.8	814.1	820.5	827.0	820.5	817.8	812.4	817.8	820.5	827.0
10°	830.6	821.5	817.8	823.2	829.8	823.2	819.6	816.0	819.6	823.2	829.8
12.5°	837.0	827.9	823.2	827.9	834.2	827.9	824.2	821.5	824.2	827.9	834.2
15°	846.2	838.0	832.5	837.0	845.2	838.0	833.4	832.5	833.4	838.0	845.2
17.5°	846.2	839.8	834.2	838.0	846.2	840.8	834.2	836.1	834.2	840.8	846.2
20°	834.2	827.9	823.2	823.2	835.2	827.9	822.4	825.1	822.4	827.9	835.2
22.5°	813.2	807.8	803.1	802.2	814.1	807.8	800.4	805.9	800.4	807.8	814.1
25°	785.8	780.2	776.6	774.8	786.6	779.4	773.0	778.4	773.0	779.4	786.6
27.5°	750.0	745.5	741.8	739.0	750.0	743.6	737.2	742.8	737.2	743.6	750.0
30°	704.2	701.5	697.9	694.1	705.1	698.8	692.4	699.6	692.4	698.8	705.1
32.5°	651.1	649.2	644.8	641.0	652.0	644.8	640.1	645.6	640.1	644.8	652.0
35°	589.8	587.0	584.2	577.9	589.8	583.4	583.4	585.2	583.4	583.4	589.8
37.5°	521.1	519.2	515.6	510.1	520.1	515.6	513.8	519.2	513.8	515.6	520.1
40°	444.1	443.2	440.5	434.1	445.1	440.5	437.8	445.1	437.8	440.5	445.1
42.5°	363.6	361.8	359.0	358.1	363.6	359.9	362.6	362.6	362.6	359.9	363.6
45°	280.2	278.4	276.6	272.9	279.4	277.5	276.6	278.4	276.6	277.5	279.4
47.5°	203.2	201.5	199.6	196.9	203.2	200.5	200.5	202.4	200.5	200.5	203.2
50°	136.5	137.4	136.5	134.6	136.5	135.5	136.5	138.2	136.5	135.5	136.5
52.5°	90.6	90.6	88.9	87.9	89.8	88.9	91.6	89.8	91.6	88.9	89.8
55°	55.0	55.9	55.0	54.0	55.0	54.0	56.8	55.9	56.8	54.0	55.0
57.5°	31.1	31.1	32.0	31.1	33.0	32.0	32.0	32.0	32.0	32.0	33.0
60°	17.4	17.4	17.4	17.4	17.4	17.4	18.4	17.4	18.4	17.4	17.4
62.5°	11.9	11.9	11.9	11.0	11.9	11.0	11.9	11.9	11.9	11.0	11.9
65°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
67.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
70°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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: P212773

CATALOG NUMBER: LE_6B10D010 EC6B10208040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6
2.5°	801.4	792.1	796.8	805.9	793.1	804.1	797.6	786.6	786.6	794.9	796.8
5°	811.4	805.0	808.6	816.9	804.1	815.1	807.8	796.8	795.9	804.1	806.9
7.5°	820.5	814.1	818.8	827.0	813.2	824.2	817.8	805.9	804.1	812.4	815.1
10°	823.2	817.8	821.5	830.6	816.9	827.0	822.4	809.6	808.6	815.1	818.8
12.5°	827.9	823.2	827.9	837.0	823.2	833.4	828.8	816.0	814.1	822.4	825.1
15°	837.0	832.5	838.0	846.2	833.4	841.6	837.0	824.2	823.2	829.8	833.4
17.5°	838.0	834.2	839.8	846.2	833.4	841.6	838.0	824.2	823.2	830.6	833.4
20°	823.2	823.2	827.9	834.2	820.5	828.8	825.1	811.4	811.4	817.8	820.5
22.5°	802.2	803.1	807.8	813.2	799.5	807.8	804.1	790.4	791.2	796.8	800.4
25°	774.8	776.6	780.2	785.8	773.0	780.2	774.8	763.8	762.9	769.2	773.9
27.5°	739.0	741.8	745.5	750.0	738.1	743.6	740.0	729.0	728.1	734.5	739.0
30°	694.1	697.9	701.5	704.2	693.2	698.8	694.1	684.1	684.1	689.6	692.4
32.5°	641.0	644.8	649.2	651.1	640.1	646.5	642.9	631.9	631.9	637.4	642.9
35°	577.9	584.2	587.0	589.8	578.8	582.5	584.2	569.6	571.5	576.0	583.4
37.5°	510.1	515.6	519.2	521.1	511.0	514.6	515.6	502.8	504.6	508.2	516.5
40°	434.1	440.5	443.2	444.1	436.9	439.6	440.5	427.6	430.4	433.1	439.6
42.5°	358.1	359.0	361.8	363.6	357.1	358.1	359.9	348.0	351.6	352.6	359.0
45°	272.9	276.6	278.4	280.2	274.8	276.6	276.6	268.4	269.2	271.1	276.6
47.5°	196.9	199.6	201.5	203.2	198.8	200.5	200.5	192.4	195.1	196.0	199.6
50°	134.6	136.5	137.4	136.5	136.5	136.5	136.5	131.9	134.6	131.9	136.5
52.5°	87.9	88.9	90.6	90.6	87.9	89.8	89.8	86.1	87.0	87.0	89.8
55°	54.0	55.0	55.9	55.0	54.0	55.0	55.0	53.1	55.0	53.1	55.9
57.5°	31.1	32.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	30.2	32.0
60°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	18.4
62.5°	11.0	11.9	11.9	11.9	11.9	11.9	11.9	11.0	11.9	11.9	11.9
65°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	10.1
67.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	8.2
70°	5.5	5.5	5.5	5.5	5.5	5.5	6.4	6.4	5.5	6.4	6.4
72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.6
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
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	0.9	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: P212773

CATALOG NUMBER: LE_6B10D010 EC6B10208040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6
2.5°	795.9	788.5	788.5	780.2	787.6	788.5	779.4	776.6	786.6	775.6	781.1
5°	803.1	795.9	795.9	787.6	793.1	793.1	783.9	779.4	789.4	778.4	783.0
7.5°	812.4	804.1	802.2	794.0	798.6	799.5	788.5	782.1	792.1	779.4	783.9
10°	815.1	805.9	805.0	796.8	800.4	801.4	788.5	783.0	791.2	777.5	780.2
12.5°	821.5	811.4	811.4	803.1	805.9	805.9	793.1	785.8	793.1	779.4	781.1
15°	828.8	817.8	817.8	809.6	811.4	812.4	796.8	789.4	795.9	781.1	783.0
17.5°	828.8	816.9	816.9	809.6	810.5	809.6	794.9	786.6	791.2	775.6	776.6
20°	816.0	804.1	805.9	797.6	798.6	797.6	782.1	773.9	778.4	762.0	763.8
22.5°	794.9	783.9	785.8	778.4	778.4	777.5	762.9	754.6	759.2	742.8	743.6
25°	768.4	757.4	759.2	751.9	752.8	752.8	738.1	729.0	733.5	718.9	718.9
27.5°	733.5	722.6	725.4	720.8	718.0	718.9	706.1	696.9	701.5	687.8	687.8
30°	688.6	679.5	682.2	678.6	675.9	675.9	664.9	655.8	660.2	648.4	647.5
32.5°	635.6	628.2	631.0	628.2	625.5	628.2	616.4	607.1	611.8	602.6	603.5
35°	577.9	570.5	572.4	569.6	567.8	569.6	557.8	551.4	555.9	546.8	550.4
37.5°	513.8	501.0	506.5	504.6	502.8	503.8	492.8	488.1	493.6	488.1	490.9
40°	438.6	429.5	433.1	431.4	429.5	434.1	425.9	419.5	424.0	420.4	425.9
42.5°	357.1	349.9	354.4	353.5	350.8	356.2	349.9	345.2	352.6	350.8	355.4
45°	274.8	269.2	272.9	272.9	272.0	276.6	270.1	271.1	278.4	281.1	286.6
47.5°	198.8	190.5	195.1	197.9	197.9	202.4	198.8	202.4	210.6	216.1	220.8
50°	135.5	133.8	134.6	135.5	137.4	141.0	140.1	145.6	151.1	160.2	165.8
52.5°	89.8	87.9	89.8	90.6	92.5	96.1	96.1	102.6	109.0	117.2	123.6
55°	55.9	55.0	55.9	56.8	58.6	62.2	63.2	69.6	76.0	84.2	89.8
57.5°	32.0	33.0	33.0	34.8	35.8	38.5	41.2	44.9	52.2	60.5	66.0
60°	18.4	18.4	19.2	20.1	21.1	23.8	25.6	29.2	34.8	43.0	46.8
62.5°	11.9	11.9	12.9	12.9	13.8	15.6	17.4	21.1	25.6	32.0	35.8
65°	10.1	10.1	10.1	11.0	11.0	12.9	14.6	17.4	21.1	25.6	29.2
67.5°	8.2	8.2	8.2	9.1	9.1	10.1	11.9	13.8	16.5	20.1	22.9
70°	6.4	6.4	6.4	7.4	7.4	8.2	9.1	10.1	12.9	15.6	17.4
72.5°	4.6	4.6	5.5	5.5	5.5	6.4	7.4	8.2	10.1	11.9	12.9
75°	3.6	3.6	3.6	3.6	4.6	4.6	5.5	6.4	7.4	8.2	9.1
77.5°	1.9	1.9	2.8	2.8	2.8	3.6	3.6	4.6	5.5	6.4	6.4
80°	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	3.6	4.6	4.6
82.5°	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9	2.8	2.8	2.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9
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: P212773

CATALOG NUMBER: LE_6B10D010 EC6B10208040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6	786.6
2.5°	774.8	777.5	777.5	774.8	767.5	773.9	780.2	773.9	782.1	767.5	767.5
5°	774.8	776.6	775.6	772.0	764.8	770.2	774.8	768.4	774.8	761.0	760.1
7.5°	776.6	774.8	773.0	768.4	759.2	762.9	767.5	760.1	766.5	751.9	750.0
10°	773.0	770.2	766.5	760.1	750.0	752.8	755.5	749.1	753.8	739.0	738.1
12.5°	773.0	768.4	762.9	755.5	744.5	746.4	749.1	740.9	744.5	730.8	729.0
15°	774.8	766.5	760.1	751.9	740.0	740.9	742.8	733.5	737.2	722.6	721.6
17.5°	768.4	759.2	752.8	742.8	729.9	730.8	730.8	721.6	724.4	709.8	708.9
20°	754.6	743.6	736.2	727.1	713.4	713.4	713.4	704.2	706.1	693.2	691.4
22.5°	735.4	723.5	716.1	707.0	694.1	693.2	692.4	685.0	685.0	673.1	670.4
25°	709.8	698.8	691.4	683.2	670.4	668.5	668.5	662.1	661.2	650.2	648.4
27.5°	680.5	667.6	661.2	653.9	642.0	640.1	639.2	635.6	633.8	621.9	620.9
30°	641.0	630.1	624.6	618.1	607.1	605.4	604.4	600.8	599.9	588.0	588.0
32.5°	598.9	585.2	581.5	575.1	566.9	566.0	566.9	562.2	558.6	550.4	548.6
35°	548.6	534.9	532.1	529.4	522.9	521.1	520.1	519.2	514.6	509.1	506.5
37.5°	490.0	478.0	478.0	477.1	472.5	472.5	472.5	470.8	466.1	464.2	458.9
40°	426.8	417.6	418.5	419.5	417.6	418.5	419.5	417.6	414.0	412.1	407.5
42.5°	359.0	354.4	358.1	360.9	360.9	363.6	365.4	365.4	360.9	359.9	356.2
45°	291.2	290.2	297.6	303.1	305.0	309.5	312.2	310.5	310.5	310.5	306.8
47.5°	228.0	231.8	238.1	249.1	252.8	258.2	260.1	262.9	261.9	262.9	260.1
50°	173.1	181.4	189.6	200.5	206.0	212.5	215.2	218.9	218.9	219.8	218.0
52.5°	131.0	137.4	151.1	158.4	164.9	171.2	174.9	178.6	179.5	179.5	177.6
55°	97.1	106.2	115.4	125.5	131.0	137.4	140.1	143.8	143.8	145.6	143.8
57.5°	70.5	79.6	89.8	97.1	103.5	108.1	110.8	113.5	115.4	115.4	114.5
60°	52.2	59.5	67.8	75.1	80.6	85.1	87.0	89.8	90.6	90.6	88.9
62.5°	39.4	46.8	54.0	60.5	64.1	67.8	69.6	71.4	71.4	71.4	70.5
65°	32.0	37.5	43.0	48.5	52.2	55.0	55.9	57.8	56.8	57.8	56.8
67.5°	25.6	29.2	33.9	37.5	40.2	42.1	43.0	44.9	44.0	44.9	44.0
70°	19.2	22.9	25.6	28.4	30.2	32.0	33.0	33.9	33.0	33.9	33.0
72.5°	14.6	16.5	19.2	22.0	22.9	23.8	24.8	24.8	24.8	25.6	24.8
75°	10.1	11.9	13.8	14.6	16.5	17.4	17.4	18.4	18.4	18.4	18.4
77.5°	7.4	8.2	9.1	10.1	11.0	11.9	11.9	12.9	12.9	12.9	12.9
80°	4.6	5.5	5.5	6.4	7.4	7.4	8.2	8.2	8.2	8.2	8.2
82.5°	2.8	3.6	3.6	4.6	4.6	4.6	5.5	5.5	5.5	5.5	5.5
85°	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	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: P212773

CATALOG NUMBER: LE_6B10D010 EC6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	786.6	786.6	786.6	786.6
2.5°	774.8	770.2	777.5	766.5
5°	766.5	762.0	771.1	757.4
7.5°	756.5	751.9	760.1	746.4
10°	743.6	739.0	746.4	731.8
12.5°	732.6	728.1	736.2	722.6
15°	724.4	719.9	727.1	714.4
17.5°	711.6	706.1	714.4	700.6
20°	693.2	689.6	696.0	682.2
22.5°	672.2	668.5	675.9	662.1
25°	650.2	645.6	653.0	639.2
27.5°	621.9	618.1	625.5	611.8
30°	588.0	584.2	591.6	578.8
32.5°	549.5	545.9	551.4	540.4
35°	505.5	502.8	508.2	496.4
37.5°	457.9	455.1	460.6	448.8
40°	406.6	403.9	408.5	403.0
42.5°	356.2	353.5	358.1	353.5
45°	306.8	305.0	309.5	305.0
47.5°	261.0	259.1	263.8	259.1
50°	217.0	218.0	219.8	218.0
52.5°	177.6	177.6	180.4	177.6
55°	143.8	144.8	145.6	143.8
57.5°	114.5	114.5	115.4	114.5
60°	88.9	89.8	89.8	88.9
62.5°	70.5	70.5	70.5	70.5
65°	55.9	55.9	56.8	55.9
67.5°	44.0	43.0	44.0	43.0
70°	33.0	33.0	33.0	33.0
72.5°	25.6	25.6	24.8	24.8
75°	18.4	19.2	18.4	18.4
77.5°	12.9	12.9	12.9	12.9
80°	8.2	8.2	8.2	8.2
82.5°	5.5	5.5	5.5	5.5
85°	3.6	2.8	2.8	2.8
87.5°	1.9	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)