

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: P212791

Luminaire Tested: **LE_6B15D010 EC6B10209035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212791
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 EC6B10209035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1517.0 lumens
Efficiency: N/A
Efficacy: 105.3 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

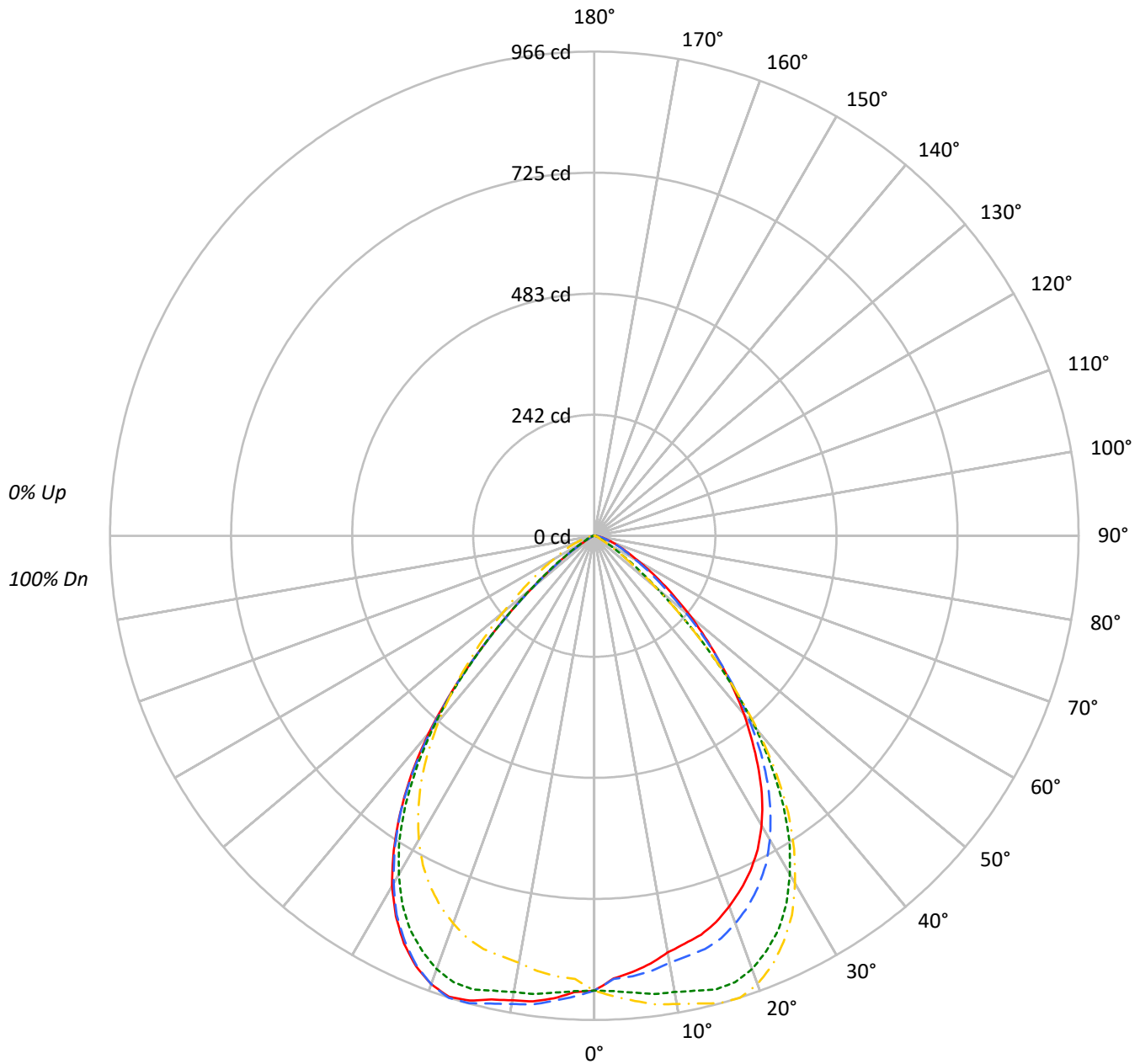
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	49744	49744	49744	49744
5°	48068	50341	50979	50341
10°	46982	51446	52387	51446
15°	46760	53173	54490	53173
20°	45906	53671	55526	53671
25°	44591	52515	54312	52515
30°	42260	49343	51084	49343
35°	38313	43968	45173	43968
40°	33262	35824	36740	35824
45°	27274	24731	24894	24731
50°	21441	13867	13603	13867
55°	15856	6872	6155	6872
60°	11238	3015	2204	3015
65°	8354	1920	1375	1920
70°	6091	1523	1026	1523
75°	4469	1101	657	1101
80°	2999	979	316	979
85°	1950	629	629	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	5.7
10°-20°	257.3	17.0
20°-30°	383.9	25.3
30°-40°	394.4	26.0
40°-50°	255.4	16.8
50°-60°	95.0	6.3
60°-70°	31.2	2.1
70°-80°	11.0	0.7
80°-90°	1.9	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°	728.0	48.0
0°-40°	1122.5	74.0
0°-60°	1472.9	97.1
0°-90°	1517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1517.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	907	907	907	907	907	
5°	874	915	926	915	874	83
15°	824	937	960	937	824	232
25°	737	868	898	868	737	338
35°	572	657	675	657	572	355
45°	352	319	321	319	352	272
55°	166	72	64	72	166	151
65°	64	15	11	15	64	66
75°	21	5	3	5	21	23
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°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	884.1	896.8	888.4	893.6	885.1	885.1	902.0	892.5	900.0	892.5	885.1
5°	873.5	889.4	878.9	884.1	876.8	877.8	893.6	886.2	893.6	888.4	882.0
7.5°	860.9	876.8	867.2	872.5	865.1	867.2	884.1	876.8	885.1	879.9	875.6
10°	844.0	860.9	852.4	857.8	851.4	852.4	869.4	864.0	871.4	868.2	865.1
12.5°	833.4	849.2	839.8	845.0	840.8	842.9	858.8	854.5	864.0	860.9	858.8
15°	823.9	838.6	830.2	835.5	832.4	833.4	850.2	846.1	856.6	854.5	853.5
17.5°	808.0	823.9	814.4	820.8	817.5	818.6	835.5	832.4	842.9	842.9	841.9
20°	786.9	802.8	795.4	799.6	797.5	799.6	814.4	812.2	822.9	822.9	822.9
22.5°	763.6	779.5	771.1	775.2	773.2	776.4	790.1	790.1	798.5	799.6	800.6
25°	737.2	753.1	744.6	750.0	747.9	750.0	762.6	763.6	771.1	771.1	773.2
27.5°	705.6	721.4	713.0	717.2	716.1	717.2	731.0	733.0	737.2	738.4	740.5
30°	667.6	682.4	673.9	678.1	678.1	678.1	691.9	692.9	697.1	698.2	700.2
32.5°	623.2	635.9	629.5	633.8	632.8	634.9	644.4	648.5	653.9	652.8	653.9
35°	572.5	586.2	579.9	583.1	584.1	587.2	593.6	598.9	600.0	601.0	603.1
37.5°	517.6	531.2	525.0	528.1	529.2	535.5	537.6	542.9	545.0	545.0	545.0
40°	464.8	471.1	465.9	469.0	470.0	475.4	477.4	481.6	483.8	482.8	481.6
42.5°	407.8	413.0	407.8	410.9	410.9	415.1	416.1	421.5	421.5	419.4	416.1
45°	351.8	357.0	351.8	353.9	353.9	358.1	358.1	358.1	360.2	357.0	351.8
47.5°	298.9	304.2	298.9	301.0	300.0	303.1	302.1	303.1	300.0	297.9	291.5
50°	251.4	253.5	251.4	250.4	251.4	253.5	252.5	252.5	248.2	245.0	237.6
52.5°	204.9	208.1	204.9	204.9	204.9	207.0	207.0	206.0	201.8	197.5	190.1
55°	165.9	168.0	166.9	165.9	165.9	168.0	165.9	165.9	161.6	158.5	151.0
57.5°	132.0	133.1	132.0	132.0	132.0	133.1	133.1	131.0	127.8	124.6	119.4
60°	102.5	103.5	103.5	102.5	102.5	104.6	104.6	103.5	100.4	98.2	93.0
62.5°	81.4	81.4	81.4	81.4	81.4	82.4	82.4	82.4	80.2	78.1	74.0
65°	64.4	65.5	64.4	64.4	65.5	66.5	65.5	66.5	64.4	63.4	60.2
67.5°	49.6	50.8	49.6	50.8	50.8	51.8	50.8	51.8	49.6	48.6	46.5
70°	38.0	38.0	38.0	38.0	38.0	39.1	38.0	39.1	38.0	37.0	34.9
72.5°	28.5	28.5	29.6	29.6	28.5	29.6	28.5	28.5	28.5	27.5	26.4
75°	21.1	21.1	22.1	21.1	21.1	21.1	21.1	21.1	20.1	20.1	19.0
77.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	13.8	13.8	12.6
80°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	8.5	8.5
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.2	5.2
85°	3.1	3.1	3.1	4.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	1.0	1.0	1.0	2.1	1.0	1.0	2.1	2.1	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	893.6	896.8	896.8	893.6	901.0	894.6	907.4	895.8	898.9	909.5	908.4
5°	890.5	894.6	895.8	893.6	903.1	897.9	910.5	898.9	904.1	914.8	914.8
7.5°	886.2	891.5	893.6	895.8	904.1	898.9	913.6	902.0	909.5	922.1	921.1
10°	876.8	884.1	888.4	891.5	900.0	896.8	912.6	903.1	909.5	924.2	923.1
12.5°	871.4	879.9	886.2	891.5	901.0	898.9	914.8	906.2	914.8	929.5	929.5
15°	867.2	876.8	884.1	893.6	903.1	901.0	917.9	910.5	919.0	936.9	935.9
17.5°	856.6	868.2	875.6	886.2	895.8	894.6	912.6	907.4	916.9	933.8	934.8
20°	838.6	849.2	857.8	870.4	880.9	878.9	897.9	892.5	902.0	920.0	921.1
22.5°	815.5	826.0	834.5	848.2	857.8	856.6	875.6	870.4	879.9	896.8	897.9
25°	788.0	797.5	806.0	818.6	829.1	829.1	846.1	840.8	851.4	868.2	868.2
27.5°	754.1	762.6	770.0	784.9	793.2	793.2	809.1	803.9	814.4	829.1	828.1
30°	713.0	720.4	726.8	739.4	746.8	747.9	761.6	756.2	766.9	779.5	779.5
32.5°	663.4	670.8	675.0	690.8	696.1	695.0	705.6	700.2	710.9	724.6	721.4
35°	610.5	613.8	616.9	632.8	634.9	630.6	641.1	635.9	643.2	657.0	654.9
37.5°	550.4	551.4	551.4	565.1	566.1	563.0	569.4	563.0	568.2	581.0	579.9
40°	483.8	482.8	481.6	492.2	491.1	484.9	489.0	483.8	491.1	500.6	495.4
42.5°	416.1	413.0	408.8	414.0	409.9	404.5	406.6	398.2	403.5	410.9	404.5
45°	349.6	343.2	334.9	335.9	330.6	324.2	321.1	312.6	311.6	319.0	313.8
47.5°	287.2	274.6	267.2	263.0	254.5	249.2	243.0	233.4	229.2	233.4	228.1
50°	231.4	218.6	209.1	199.6	191.1	184.9	174.2	168.0	161.6	162.6	158.5
52.5°	182.8	174.2	158.5	151.0	142.6	135.2	125.8	118.2	110.9	110.9	106.6
55°	144.8	133.1	122.5	112.0	103.5	97.1	87.6	80.2	72.9	71.9	67.6
57.5°	112.0	103.5	91.9	81.4	76.0	69.8	60.2	51.8	47.5	44.4	41.2
60°	86.6	78.1	68.6	60.2	53.9	49.6	40.1	33.8	29.6	27.5	24.2
62.5°	69.8	62.4	53.9	45.4	41.2	37.0	29.6	24.2	20.1	18.0	15.9
65°	56.0	49.6	43.2	37.0	33.8	29.6	24.2	20.1	16.9	14.8	12.6
67.5°	43.2	39.1	33.8	29.6	26.4	23.2	19.0	15.9	13.8	11.6	10.6
70°	32.8	29.6	26.4	22.1	20.1	18.0	14.8	11.6	10.6	9.5	8.5
72.5°	25.4	22.1	19.0	16.9	14.8	13.8	11.6	9.5	8.5	7.4	6.4
75°	16.9	15.9	13.8	11.6	10.6	9.5	8.5	7.4	6.4	5.2	5.2
77.5°	11.6	10.6	9.5	8.5	7.4	7.4	6.4	5.2	4.2	4.2	3.1
80°	7.4	6.4	6.4	5.2	5.2	5.2	4.2	3.1	3.1	3.1	2.1
82.5°	5.2	4.2	4.2	3.1	3.1	3.1	3.1	2.1	2.1	2.1	1.0
85°	3.1	2.1	2.1	2.1	2.1	2.1	2.1	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	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°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	900.0	909.5	909.5	917.9	919.0	916.9	907.4	907.4	920.0	927.4	914.8
5°	908.4	917.9	917.9	926.4	930.6	927.4	917.9	919.0	931.6	940.1	927.4
7.5°	915.8	925.2	927.4	936.9	940.1	936.9	927.4	929.5	943.2	950.6	938.0
10°	919.0	928.5	929.5	940.1	944.2	940.1	932.8	933.8	948.5	953.9	942.2
12.5°	926.4	935.9	935.9	947.5	951.8	948.5	939.0	941.1	955.9	961.2	949.6
15°	933.8	943.2	943.2	955.9	961.2	957.0	949.6	950.6	965.4	970.8	961.2
17.5°	933.8	942.2	942.2	955.9	961.2	958.0	949.6	950.6	966.5	970.8	961.2
20°	920.0	929.5	927.4	941.1	946.4	943.2	935.9	935.9	951.8	955.9	946.4
22.5°	897.9	906.2	904.1	916.9	923.1	919.0	912.6	911.6	927.4	931.6	922.1
25°	867.2	875.6	873.5	886.2	892.5	887.2	879.9	880.9	893.6	900.0	891.5
27.5°	831.2	836.6	833.4	846.1	852.4	847.1	839.8	840.8	853.5	857.8	851.4
30°	782.8	786.9	783.8	794.4	798.5	795.4	789.0	789.0	800.6	806.0	799.6
32.5°	724.6	727.8	724.6	733.0	741.5	735.1	728.9	728.9	741.5	745.8	738.4
35°	657.0	660.1	658.0	666.5	672.9	664.4	659.1	657.0	673.9	671.8	667.6
37.5°	582.0	584.1	577.8	592.6	595.8	586.2	582.0	579.9	594.6	593.6	589.4
40°	497.5	499.6	495.4	506.0	507.0	499.6	496.5	493.2	508.1	507.0	503.9
42.5°	407.8	408.8	403.5	412.0	414.0	406.6	405.6	401.4	415.1	413.0	412.0
45°	314.8	314.8	310.5	316.9	319.0	312.6	310.5	309.5	319.0	319.0	316.9
47.5°	228.1	225.0	219.8	229.2	230.2	226.0	225.0	221.9	231.4	231.4	229.2
50°	156.4	155.2	154.2	156.4	157.4	152.1	155.2	152.1	157.4	157.4	157.4
52.5°	104.6	103.5	101.4	103.5	103.5	100.4	100.4	99.2	103.5	103.5	101.4
55°	65.5	64.4	63.4	64.4	64.4	61.2	63.4	61.2	63.4	63.4	62.4
57.5°	40.1	38.0	38.0	37.0	37.0	34.9	35.9	35.9	35.9	35.9	35.9
60°	23.2	22.1	21.1	21.1	21.1	20.1	20.1	20.1	20.1	20.1	20.1
62.5°	14.8	14.8	13.8	13.8	13.8	13.8	13.8	12.6	13.8	13.8	13.8
65°	12.6	11.6	11.6	11.6	11.6	10.6	10.6	10.6	10.6	10.6	10.6
67.5°	10.6	9.5	9.5	9.5	9.5	8.5	8.5	8.5	8.5	8.5	8.5
70°	8.5	7.4	7.4	7.4	7.4	7.4	6.4	7.4	7.4	6.4	6.4
72.5°	6.4	6.4	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	4.2	4.2	4.2	4.2	4.2	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	3.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	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	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	1.0	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):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	929.5	919.0	913.6	924.2	928.5	923.1	919.0	911.6	919.0	923.1	928.5
5°	942.2	932.8	928.5	935.9	942.2	936.9	933.8	926.4	933.8	936.9	942.2
7.5°	953.9	944.2	939.0	946.4	953.9	946.4	943.2	936.9	943.2	946.4	953.9
10°	958.0	947.5	943.2	949.6	957.0	949.6	945.4	941.1	945.4	949.6	957.0
12.5°	965.4	954.9	949.6	954.9	962.2	954.9	950.6	947.5	950.6	954.9	962.2
15°	976.0	966.5	960.1	965.4	975.0	966.5	961.2	960.1	961.2	966.5	975.0
17.5°	976.0	968.6	962.2	966.5	976.0	969.6	962.2	964.4	962.2	969.6	976.0
20°	962.2	954.9	949.6	949.6	963.4	954.9	948.5	951.8	948.5	954.9	963.4
22.5°	938.0	931.6	926.4	925.2	939.0	931.6	923.1	929.5	923.1	931.6	939.0
25°	906.2	900.0	895.8	893.6	907.4	898.9	891.5	897.9	891.5	898.9	907.4
27.5°	865.1	859.8	855.6	852.4	865.1	857.8	850.2	856.6	850.2	857.8	865.1
30°	812.2	809.1	804.9	800.6	813.4	806.0	798.5	807.0	798.5	806.0	813.4
32.5°	751.0	748.9	743.6	739.4	752.1	743.6	738.4	744.6	738.4	743.6	752.1
35°	680.2	677.1	673.9	666.5	680.2	672.9	672.9	675.0	672.9	672.9	680.2
37.5°	601.0	598.9	594.6	588.4	600.0	594.6	592.6	598.9	592.6	594.6	600.0
40°	512.2	511.2	508.1	500.6	513.4	508.1	504.9	513.4	504.9	508.1	513.4
42.5°	419.4	417.2	414.0	413.0	419.4	415.1	418.2	418.2	418.2	415.1	419.4
45°	323.2	321.1	319.0	314.8	322.1	320.0	319.0	321.1	319.0	320.0	322.1
47.5°	234.5	232.4	230.2	227.1	234.5	231.4	231.4	233.4	231.4	231.4	234.5
50°	157.4	158.5	157.4	155.2	157.4	156.4	157.4	159.5	157.4	156.4	157.4
52.5°	104.6	104.6	102.5	101.4	103.5	102.5	105.6	103.5	105.6	102.5	103.5
55°	63.4	64.4	63.4	62.4	63.4	62.4	65.5	64.4	65.5	62.4	63.4
57.5°	35.9	35.9	37.0	35.9	38.0	37.0	37.0	37.0	37.0	37.0	38.0
60°	20.1	20.1	20.1	20.1	20.1	20.1	21.1	20.1	21.1	20.1	20.1
62.5°	13.8	13.8	13.8	12.6	13.8	12.6	13.8	13.8	13.8	12.6	13.8
65°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
67.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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: P212791

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	924.2	913.6	919.0	929.5	914.8	927.4	920.0	907.4	907.4	916.9	919.0
5°	935.9	928.5	932.8	942.2	927.4	940.1	931.6	919.0	917.9	927.4	930.6
7.5°	946.4	939.0	944.2	953.9	938.0	950.6	943.2	929.5	927.4	936.9	940.1
10°	949.6	943.2	947.5	958.0	942.2	953.9	948.5	933.8	932.8	940.1	944.2
12.5°	954.9	949.6	954.9	965.4	949.6	961.2	955.9	941.1	939.0	948.5	951.8
15°	965.4	960.1	966.5	976.0	961.2	970.8	965.4	950.6	949.6	957.0	961.2
17.5°	966.5	962.2	968.6	976.0	961.2	970.8	966.5	950.6	949.6	958.0	961.2
20°	949.6	949.6	954.9	962.2	946.4	955.9	951.8	935.9	935.9	943.2	946.4
22.5°	925.2	926.4	931.6	938.0	922.1	931.6	927.4	911.6	912.6	919.0	923.1
25°	893.6	895.8	900.0	906.2	891.5	900.0	893.6	880.9	879.9	887.2	892.5
27.5°	852.4	855.6	859.8	865.1	851.4	857.8	853.5	840.8	839.8	847.1	852.4
30°	800.6	804.9	809.1	812.2	799.6	806.0	800.6	789.0	789.0	795.4	798.5
32.5°	739.4	743.6	748.9	751.0	738.4	745.8	741.5	728.9	728.9	735.1	741.5
35°	666.5	673.9	677.1	680.2	667.6	671.8	673.9	657.0	659.1	664.4	672.9
37.5°	588.4	594.6	598.9	601.0	589.4	593.6	594.6	579.9	582.0	586.2	595.8
40°	500.6	508.1	511.2	512.2	503.9	507.0	508.1	493.2	496.5	499.6	507.0
42.5°	413.0	414.0	417.2	419.4	412.0	413.0	415.1	401.4	405.6	406.6	414.0
45°	314.8	319.0	321.1	323.2	316.9	319.0	319.0	309.5	310.5	312.6	319.0
47.5°	227.1	230.2	232.4	234.5	229.2	231.4	231.4	221.9	225.0	226.0	230.2
50°	155.2	157.4	158.5	157.4	157.4	157.4	157.4	152.1	155.2	152.1	157.4
52.5°	101.4	102.5	104.6	104.6	101.4	103.5	103.5	99.2	100.4	100.4	103.5
55°	62.4	63.4	64.4	63.4	62.4	63.4	63.4	61.2	63.4	61.2	64.4
57.5°	35.9	37.0	35.9	35.9	35.9	35.9	35.9	35.9	35.9	34.9	37.0
60°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	21.1
62.5°	12.6	13.8	13.8	13.8	13.8	13.8	13.8	12.6	13.8	13.8	13.8
65°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	11.6
67.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.5
70°	6.4	6.4	6.4	6.4	6.4	6.4	7.4	7.4	6.4	7.4	7.4
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
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):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	917.9	909.5	909.5	900.0	908.4	909.5	898.9	895.8	907.4	894.6	901.0
5°	926.4	917.9	917.9	908.4	914.8	914.8	904.1	898.9	910.5	897.9	903.1
7.5°	936.9	927.4	925.2	915.8	921.1	922.1	909.5	902.0	913.6	898.9	904.1
10°	940.1	929.5	928.5	919.0	923.1	924.2	909.5	903.1	912.6	896.8	900.0
12.5°	947.5	935.9	935.9	926.4	929.5	929.5	914.8	906.2	914.8	898.9	901.0
15°	955.9	943.2	943.2	933.8	935.9	936.9	919.0	910.5	917.9	901.0	903.1
17.5°	955.9	942.2	942.2	933.8	934.8	933.8	916.9	907.4	912.6	894.6	895.8
20°	941.1	927.4	929.5	920.0	921.1	920.0	902.0	892.5	897.9	878.9	880.9
22.5°	916.9	904.1	906.2	897.9	897.9	896.8	879.9	870.4	875.6	856.6	857.8
25°	886.2	873.5	875.6	867.2	868.2	868.2	851.4	840.8	846.1	829.1	829.1
27.5°	846.1	833.4	836.6	831.2	828.1	829.1	814.4	803.9	809.1	793.2	793.2
30°	794.4	783.8	786.9	782.8	779.5	779.5	766.9	756.2	761.6	747.9	746.8
32.5°	733.0	724.6	727.8	724.6	721.4	724.6	710.9	700.2	705.6	695.0	696.1
35°	666.5	658.0	660.1	657.0	654.9	657.0	643.2	635.9	641.1	630.6	634.9
37.5°	592.6	577.8	584.1	582.0	579.9	581.0	568.2	563.0	569.4	563.0	566.1
40°	506.0	495.4	499.6	497.5	495.4	500.6	491.1	483.8	489.0	484.9	491.1
42.5°	412.0	403.5	408.8	407.8	404.5	410.9	403.5	398.2	406.6	404.5	409.9
45°	316.9	310.5	314.8	314.8	313.8	319.0	311.6	312.6	321.1	324.2	330.6
47.5°	229.2	219.8	225.0	228.1	228.1	233.4	229.2	233.4	243.0	249.2	254.5
50°	156.4	154.2	155.2	156.4	158.5	162.6	161.6	168.0	174.2	184.9	191.1
52.5°	103.5	101.4	103.5	104.6	106.6	110.9	110.9	118.2	125.8	135.2	142.6
55°	64.4	63.4	64.4	65.5	67.6	71.9	72.9	80.2	87.6	97.1	103.5
57.5°	37.0	38.0	38.0	40.1	41.2	44.4	47.5	51.8	60.2	69.8	76.0
60°	21.1	21.1	22.1	23.2	24.2	27.5	29.6	33.8	40.1	49.6	53.9
62.5°	13.8	13.8	14.8	14.8	15.9	18.0	20.1	24.2	29.6	37.0	41.2
65°	11.6	11.6	11.6	12.6	12.6	14.8	16.9	20.1	24.2	29.6	33.8
67.5°	9.5	9.5	9.5	10.6	10.6	11.6	13.8	15.9	19.0	23.2	26.4
70°	7.4	7.4	7.4	8.5	8.5	9.5	10.6	11.6	14.8	18.0	20.1
72.5°	5.2	5.2	6.4	6.4	6.4	7.4	8.5	9.5	11.6	13.8	14.8
75°	4.2	4.2	4.2	4.2	5.2	5.2	6.4	7.4	8.5	9.5	10.6
77.5°	2.1	2.1	3.1	3.1	3.1	4.2	4.2	5.2	6.4	7.4	7.4
80°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	4.2	5.2	5.2
82.5°	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1	3.1	3.1	3.1
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	893.6	896.8	896.8	893.6	885.1	892.5	900.0	892.5	902.0	885.1	885.1
5°	893.6	895.8	894.6	890.5	882.0	888.4	893.6	886.2	893.6	877.8	876.8
7.5°	895.8	893.6	891.5	886.2	875.6	879.9	885.1	876.8	884.1	867.2	865.1
10°	891.5	888.4	884.1	876.8	865.1	868.2	871.4	864.0	869.4	852.4	851.4
12.5°	891.5	886.2	879.9	871.4	858.8	860.9	864.0	854.5	858.8	842.9	840.8
15°	893.6	884.1	876.8	867.2	853.5	854.5	856.6	846.1	850.2	833.4	832.4
17.5°	886.2	875.6	868.2	856.6	841.9	842.9	842.9	832.4	835.5	818.6	817.5
20°	870.4	857.8	849.2	838.6	822.9	822.9	822.9	812.2	814.4	799.6	797.5
22.5°	848.2	834.5	826.0	815.5	800.6	799.6	798.5	790.1	790.1	776.4	773.2
25°	818.6	806.0	797.5	788.0	773.2	771.1	771.1	763.6	762.6	750.0	747.9
27.5°	784.9	770.0	762.6	754.1	740.5	738.4	737.2	733.0	731.0	717.2	716.1
30°	739.4	726.8	720.4	713.0	700.2	698.2	697.1	692.9	691.9	678.1	678.1
32.5°	690.8	675.0	670.8	663.4	653.9	652.8	653.9	648.5	644.4	634.9	632.8
35°	632.8	616.9	613.8	610.5	603.1	601.0	600.0	598.9	593.6	587.2	584.1
37.5°	565.1	551.4	551.4	550.4	545.0	545.0	545.0	542.9	537.6	535.5	529.2
40°	492.2	481.6	482.8	483.8	481.6	482.8	483.8	481.6	477.4	475.4	470.0
42.5°	414.0	408.8	413.0	416.1	416.1	419.4	421.5	421.5	416.1	415.1	410.9
45°	335.9	334.9	343.2	349.6	351.8	357.0	360.2	358.1	358.1	358.1	353.9
47.5°	263.0	267.2	274.6	287.2	291.5	297.9	300.0	303.1	302.1	303.1	300.0
50°	199.6	209.1	218.6	231.4	237.6	245.0	248.2	252.5	252.5	253.5	251.4
52.5°	151.0	158.5	174.2	182.8	190.1	197.5	201.8	206.0	207.0	207.0	204.9
55°	112.0	122.5	133.1	144.8	151.0	158.5	161.6	165.9	165.9	168.0	165.9
57.5°	81.4	91.9	103.5	112.0	119.4	124.6	127.8	131.0	133.1	133.1	132.0
60°	60.2	68.6	78.1	86.6	93.0	98.2	100.4	103.5	104.6	104.6	102.5
62.5°	45.4	53.9	62.4	69.8	74.0	78.1	80.2	82.4	82.4	82.4	81.4
65°	37.0	43.2	49.6	56.0	60.2	63.4	64.4	66.5	65.5	66.5	65.5
67.5°	29.6	33.8	39.1	43.2	46.5	48.6	49.6	51.8	50.8	51.8	50.8
70°	22.1	26.4	29.6	32.8	34.9	37.0	38.0	39.1	38.0	39.1	38.0
72.5°	16.9	19.0	22.1	25.4	26.4	27.5	28.5	28.5	28.5	29.6	28.5
75°	11.6	13.8	15.9	16.9	19.0	20.1	20.1	21.1	21.1	21.1	21.1
77.5°	8.5	9.5	10.6	11.6	12.6	13.8	13.8	14.8	14.8	14.8	14.8
80°	5.2	6.4	6.4	7.4	8.5	8.5	9.5	9.5	9.5	9.5	9.5
82.5°	3.1	4.2	4.2	5.2	5.2	5.2	6.4	6.4	6.4	6.4	6.4
85°	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	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



TEST NUMBER: P212791

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	907.4	907.4	907.4	907.4
2.5°	893.6	888.4	896.8	884.1
5°	884.1	878.9	889.4	873.5
7.5°	872.5	867.2	876.8	860.9
10°	857.8	852.4	860.9	844.0
12.5°	845.0	839.8	849.2	833.4
15°	835.5	830.2	838.6	823.9
17.5°	820.8	814.4	823.9	808.0
20°	799.6	795.4	802.8	786.9
22.5°	775.2	771.1	779.5	763.6
25°	750.0	744.6	753.1	737.2
27.5°	717.2	713.0	721.4	705.6
30°	678.1	673.9	682.4	667.6
32.5°	633.8	629.5	635.9	623.2
35°	583.1	579.9	586.2	572.5
37.5°	528.1	525.0	531.2	517.6
40°	469.0	465.9	471.1	464.8
42.5°	410.9	407.8	413.0	407.8
45°	353.9	351.8	357.0	351.8
47.5°	301.0	298.9	304.2	298.9
50°	250.4	251.4	253.5	251.4
52.5°	204.9	204.9	208.1	204.9
55°	165.9	166.9	168.0	165.9
57.5°	132.0	132.0	133.1	132.0
60°	102.5	103.5	103.5	102.5
62.5°	81.4	81.4	81.4	81.4
65°	64.4	64.4	65.5	64.4
67.5°	50.8	49.6	50.8	49.6
70°	38.0	38.0	38.0	38.0
72.5°	29.6	29.6	28.5	28.5
75°	21.1	22.1	21.1	21.1
77.5°	14.8	14.8	14.8	14.8
80°	9.5	9.5	9.5	9.5
82.5°	6.4	6.4	6.4	6.4
85°	4.2	3.1	3.1	3.1
87.5°	2.1	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)