

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: P212793

Luminaire Tested: **LE_6B15D010 EC6B10209050 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212793
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 EC6B10209050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1525.5 lumens
Efficiency: N/A
Efficacy: 105.9 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

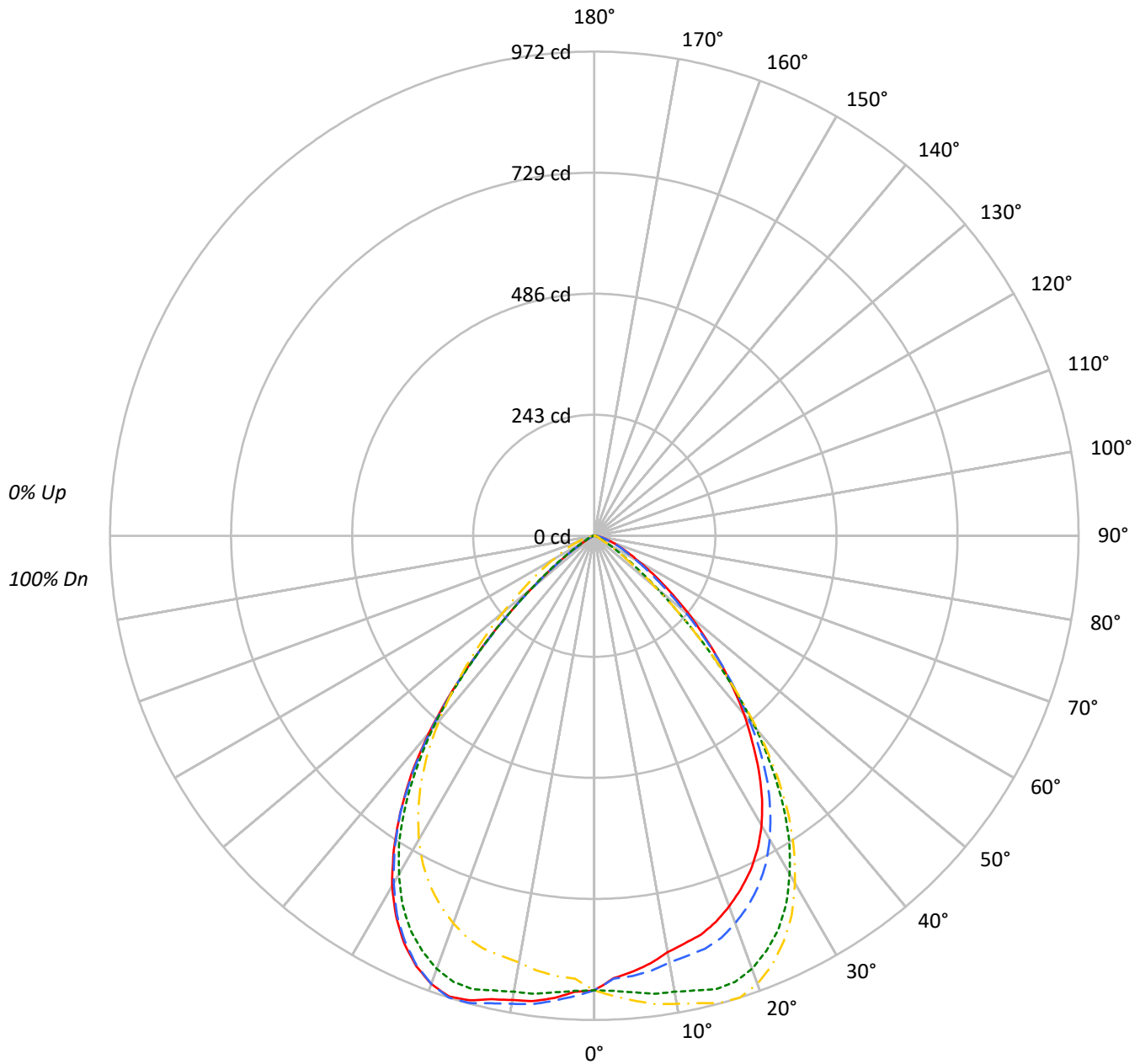
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	50023	50023	50023	50023
5°	48343	50622	51266	50622
10°	47249	51741	52688	51741
15°	47026	53474	54802	53474
20°	46169	53975	55836	53975
25°	44851	52812	54614	52812
30°	42500	49628	51375	49628
35°	38534	44223	45427	44223
40°	33448	36032	36941	36032
45°	27429	24871	25034	24871
50°	21569	13953	13680	13953
55°	15942	6901	6193	6901
60°	11293	3026	2204	3026
65°	8406	1933	1375	1933
70°	6123	1523	1026	1523
75°	4490	1101	657	1101
80°	2999	979	316	979
85°	1950	629	629	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	5.7
10°-20°	258.7	17.0
20°-30°	386.1	25.3
30°-40°	396.7	26.0
40°-50°	256.9	16.8
50°-60°	95.5	6.3
60°-70°	31.3	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°	732.2	48.0
0°-40°	1128.8	74.0
0°-60°	1481.2	97.1
0°-90°	1525.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1525.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	912	912	912	912	912	
5°	878	920	932	920	878	83
15°	829	942	966	942	829	233
25°	742	873	903	873	742	340
35°	576	661	679	661	576	357
45°	354	321	323	321	354	274
55°	167	72	65	72	167	152
65°	65	15	11	15	65	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°	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5
2.5°	889.1	901.9	893.4	898.6	890.1	890.1	907.1	897.6	905.0	897.6	890.1
5°	878.5	894.4	883.8	889.1	881.6	882.8	898.6	891.2	898.6	893.4	887.0
7.5°	865.8	881.6	872.1	877.4	870.0	872.1	889.1	881.6	890.1	884.9	880.6
10°	848.8	865.8	857.2	862.5	856.1	857.2	874.2	868.9	876.4	873.1	870.0
12.5°	838.1	854.0	844.5	849.8	845.5	847.6	863.6	859.4	868.9	865.8	863.6
15°	828.6	843.4	835.0	840.2	837.1	838.1	855.1	850.9	861.5	859.4	858.2
17.5°	812.6	828.6	819.0	825.4	822.2	823.2	840.2	837.1	847.6	847.6	846.6
20°	791.4	807.4	799.9	804.1	802.0	804.1	819.0	816.9	827.5	827.5	827.5
22.5°	768.0	784.0	775.5	779.8	777.6	780.8	794.6	794.6	803.1	804.1	805.2
25°	741.5	757.4	748.9	754.2	752.1	754.2	767.0	768.0	775.5	775.5	777.6
27.5°	709.6	725.5	717.0	721.2	720.2	721.2	735.1	737.2	741.5	742.5	744.6
30°	671.4	686.2	677.8	682.0	682.0	682.0	695.8	696.9	701.1	702.1	704.2
32.5°	626.8	639.5	633.1	637.4	636.2	638.4	648.0	652.2	657.5	656.5	657.5
35°	575.8	589.5	583.1	586.4	587.4	590.6	597.0	602.2	603.4	604.4	606.5
37.5°	520.5	534.4	528.0	531.1	532.2	538.6	540.8	546.0	548.1	548.1	548.1
40°	467.4	473.8	468.5	471.6	472.8	478.0	480.1	484.4	486.5	485.5	484.4
42.5°	410.0	415.4	410.0	413.2	413.2	417.5	418.5	423.9	423.9	421.8	418.5
45°	353.8	359.0	353.8	355.9	355.9	360.1	360.1	360.1	362.2	359.0	353.8
47.5°	300.6	305.9	300.6	302.8	301.6	304.9	303.8	304.9	301.6	299.5	293.1
50°	252.9	255.0	252.9	251.8	252.9	255.0	253.9	253.9	249.6	246.5	239.0
52.5°	206.1	209.2	206.1	206.1	206.1	208.2	208.2	207.1	202.9	198.6	191.2
55°	166.8	168.9	167.9	166.8	166.8	168.9	166.8	166.8	162.5	159.4	151.9
57.5°	132.8	133.9	132.8	132.8	132.8	133.9	133.9	131.8	128.5	125.4	120.0
60°	103.0	104.1	104.1	103.0	103.0	105.1	105.1	104.1	100.9	98.8	93.5
62.5°	81.8	81.8	81.8	81.8	81.8	82.9	82.9	82.9	80.8	78.6	74.4
65°	64.8	65.9	64.8	64.8	65.9	66.9	65.9	66.9	64.8	63.8	60.5
67.5°	49.9	51.0	49.9	51.0	51.0	52.0	51.0	52.0	49.9	48.9	46.8
70°	38.2	38.2	38.2	38.2	38.2	39.2	38.2	39.2	38.2	37.1	35.0
72.5°	28.6	28.6	29.8	29.8	28.6	29.8	28.6	28.6	28.6	27.6	26.5
75°	21.2	21.2	22.2	21.2	21.2	21.2	21.2	21.2	20.1	20.1	19.1
77.5°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	13.8	13.8	12.8
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°	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5
2.5°	898.6	901.9	901.9	898.6	906.1	899.8	912.5	900.8	904.0	914.6	913.5
5°	895.5	899.8	900.8	898.6	908.2	902.9	915.6	904.0	909.2	919.9	919.9
7.5°	891.2	896.5	898.6	900.8	909.2	904.0	918.9	907.1	914.6	927.4	926.2
10°	881.6	889.1	893.4	896.5	905.0	901.9	917.8	908.2	914.6	929.5	928.4
12.5°	876.4	884.9	891.2	896.5	906.1	904.0	919.9	911.4	919.9	934.8	934.8
15°	872.1	881.6	889.1	898.6	908.2	906.1	923.1	915.6	924.1	942.2	941.1
17.5°	861.5	873.1	880.6	891.2	900.8	899.8	917.8	912.5	922.0	939.0	940.1
20°	843.4	854.0	862.5	875.2	885.9	883.8	902.9	897.6	907.1	925.2	926.2
22.5°	820.1	830.8	839.1	853.0	862.5	861.5	880.6	875.2	884.9	901.9	902.9
25°	792.5	802.0	810.5	823.2	833.9	833.9	850.9	845.5	856.1	873.1	873.1
27.5°	758.5	767.0	774.4	789.2	797.8	797.8	813.8	808.4	819.0	833.9	832.9
30°	717.0	724.5	730.9	743.6	751.0	752.1	765.9	760.6	771.2	784.0	784.0
32.5°	667.1	674.5	678.8	694.8	700.0	699.0	709.6	704.2	714.9	728.8	725.5
35°	614.0	617.1	620.4	636.2	638.4	634.1	644.8	639.5	646.9	660.8	658.6
37.5°	553.5	554.5	554.5	568.2	569.4	566.1	572.5	566.1	571.5	584.2	583.1
40°	486.5	485.5	484.4	495.0	494.0	487.6	491.9	486.5	494.0	503.5	498.2
42.5°	418.5	415.4	411.1	416.4	412.1	406.9	409.0	400.5	405.8	413.2	406.9
45°	351.6	345.2	336.8	337.8	332.5	326.1	322.9	314.4	313.4	320.8	315.5
47.5°	288.9	276.2	268.8	264.5	256.0	250.8	244.4	234.8	230.5	234.8	229.5
50°	232.6	219.9	210.4	200.8	192.2	185.9	175.2	168.9	162.5	163.6	159.4
52.5°	183.8	175.2	159.4	151.9	143.4	136.0	126.4	119.0	111.5	111.5	107.2
55°	145.5	133.9	123.2	112.6	104.1	97.8	88.1	80.8	73.2	72.2	68.0
57.5°	112.6	104.1	92.4	81.8	76.5	70.1	60.5	52.0	47.8	44.6	41.4
60°	87.1	78.6	69.0	60.5	54.1	49.9	40.4	34.0	29.8	27.6	24.4
62.5°	70.1	62.6	54.1	45.6	41.4	37.1	29.8	24.4	20.1	18.0	15.9
65°	56.2	49.9	43.5	37.1	34.0	29.8	24.4	20.1	17.0	14.9	12.8
67.5°	43.5	39.2	34.0	29.8	26.5	23.4	19.1	15.9	13.8	11.6	10.6
70°	32.9	29.8	26.5	22.2	20.1	18.0	14.9	11.6	10.6	9.5	8.5
72.5°	25.5	22.2	19.1	17.0	14.9	13.8	11.6	9.5	8.5	7.4	6.4
75°	17.0	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°	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5
2.5°	905.0	914.6	914.6	923.1	924.1	922.0	912.5	912.5	925.2	932.6	919.9
5°	913.5	923.1	923.1	931.6	935.9	932.6	923.1	924.1	936.9	945.4	932.6
7.5°	921.0	930.5	932.6	942.2	945.4	942.2	932.6	934.8	948.6	956.0	943.2
10°	924.1	933.8	934.8	945.4	949.6	945.4	938.0	939.0	953.9	959.2	947.5
12.5°	931.6	941.1	941.1	952.9	957.1	953.9	944.4	946.5	961.4	966.6	955.0
15°	939.0	948.6	948.6	961.4	966.6	962.4	955.0	956.0	970.9	976.2	966.6
17.5°	939.0	947.5	947.5	961.4	966.6	963.5	955.0	956.0	972.0	976.2	966.6
20°	925.2	934.8	932.6	946.5	951.8	948.6	941.1	941.1	957.1	961.4	951.8
22.5°	902.9	911.4	909.2	922.0	928.4	924.1	917.8	916.8	932.6	936.9	927.4
25°	872.1	880.6	878.5	891.2	897.6	892.2	884.9	885.9	898.6	905.0	896.5
27.5°	836.0	841.2	838.1	850.9	857.2	851.9	844.5	845.5	858.2	862.5	856.1
30°	787.1	791.4	788.2	798.9	803.1	799.9	793.5	793.5	805.2	810.5	804.1
32.5°	728.8	731.9	728.8	737.2	745.8	739.4	733.0	733.0	745.8	750.0	742.5
35°	660.8	663.9	661.8	670.2	676.6	668.1	662.9	660.8	677.8	675.6	671.4
37.5°	585.2	587.4	581.0	595.9	599.1	589.5	585.2	583.1	598.0	597.0	592.8
40°	500.4	502.5	498.2	508.9	509.9	502.5	499.2	496.1	511.0	509.9	506.8
42.5°	410.0	411.1	405.8	414.2	416.4	409.0	407.9	403.6	417.5	415.4	414.2
45°	316.5	316.5	312.2	318.6	320.8	314.4	312.2	311.2	320.8	320.8	318.6
47.5°	229.5	226.2	221.0	230.5	231.6	227.4	226.2	223.1	232.6	232.6	230.5
50°	157.2	156.1	155.1	157.2	158.2	153.0	156.1	153.0	158.2	158.2	158.2
52.5°	105.1	104.1	102.0	104.1	104.1	100.9	100.9	99.9	104.1	104.1	102.0
55°	65.9	64.8	63.8	64.8	64.8	61.6	63.8	61.6	63.8	63.8	62.6
57.5°	40.4	38.2	38.2	37.1	37.1	35.0	36.1	36.1	36.1	36.1	36.1
60°	23.4	22.2	21.2	21.2	21.2	20.1	20.1	20.1	20.1	20.1	20.1
62.5°	14.9	14.9	13.8	13.8	13.8	13.8	13.8	12.8	13.8	13.8	13.8
65°	12.8	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°	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5
2.5°	934.8	924.1	918.9	929.5	933.8	928.4	924.1	916.8	924.1	928.4	933.8
5°	947.5	938.0	933.8	941.1	947.5	942.2	939.0	931.6	939.0	942.2	947.5
7.5°	959.2	949.6	944.4	951.8	959.2	951.8	948.6	942.2	948.6	951.8	959.2
10°	963.5	952.9	948.6	955.0	962.4	955.0	950.8	946.5	950.8	955.0	962.4
12.5°	970.9	960.2	955.0	960.2	967.8	960.2	956.0	952.9	956.0	960.2	967.8
15°	981.5	972.0	965.6	970.9	980.5	972.0	966.6	965.6	966.6	972.0	980.5
17.5°	981.5	974.1	967.8	972.0	981.5	975.1	967.8	969.9	967.8	975.1	981.5
20°	967.8	960.2	955.0	955.0	968.8	960.2	953.9	957.1	953.9	960.2	968.8
22.5°	943.2	936.9	931.6	930.5	944.4	936.9	928.4	934.8	928.4	936.9	944.4
25°	911.4	905.0	900.8	898.6	912.5	904.0	896.5	902.9	896.5	904.0	912.5
27.5°	870.0	864.6	860.4	857.2	870.0	862.5	855.1	861.5	855.1	862.5	870.0
30°	816.9	813.8	809.5	805.2	818.0	810.5	803.1	811.6	803.1	810.5	818.0
32.5°	755.2	753.1	747.9	743.6	756.4	747.9	742.5	748.9	742.5	747.9	756.4
35°	684.1	680.9	677.8	670.2	684.1	676.6	676.6	678.8	676.6	676.6	684.1
37.5°	604.4	602.2	598.0	591.6	603.4	598.0	595.9	602.2	595.9	598.0	603.4
40°	515.2	514.1	511.0	503.5	516.2	511.0	507.8	516.2	507.8	511.0	516.2
42.5°	421.8	419.6	416.4	415.4	421.8	417.5	420.6	420.6	420.6	417.5	421.8
45°	325.0	322.9	320.8	316.5	324.0	321.9	320.8	322.9	320.8	321.9	324.0
47.5°	235.9	233.8	231.6	228.4	235.9	232.6	232.6	234.8	232.6	232.6	235.9
50°	158.2	159.4	158.2	156.1	158.2	157.2	158.2	160.4	158.2	157.2	158.2
52.5°	105.1	105.1	103.0	102.0	104.1	103.0	106.2	104.1	106.2	103.0	104.1
55°	63.8	64.8	63.8	62.6	63.8	62.6	65.9	64.8	65.9	62.6	63.8
57.5°	36.1	36.1	37.1	36.1	38.2	37.1	37.1	37.1	37.1	37.1	38.2
60°	20.1	20.1	20.1	20.1	20.1	20.1	21.2	20.1	21.2	20.1	20.1
62.5°	13.8	13.8	13.8	12.8	13.8	12.8	13.8	13.8	13.8	12.8	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: P212793

CATALOG NUMBER: LE_6B15D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5
2.5°	929.5	918.9	924.1	934.8	919.9	932.6	925.2	912.5	912.5	922.0	924.1
5°	941.1	933.8	938.0	947.5	932.6	945.4	936.9	924.1	923.1	932.6	935.9
7.5°	951.8	944.4	949.6	959.2	943.2	956.0	948.6	934.8	932.6	942.2	945.4
10°	955.0	948.6	952.9	963.5	947.5	959.2	953.9	939.0	938.0	945.4	949.6
12.5°	960.2	955.0	960.2	970.9	955.0	966.6	961.4	946.5	944.4	953.9	957.1
15°	970.9	965.6	972.0	981.5	966.6	976.2	970.9	956.0	955.0	962.4	966.6
17.5°	972.0	967.8	974.1	981.5	966.6	976.2	972.0	956.0	955.0	963.5	966.6
20°	955.0	955.0	960.2	967.8	951.8	961.4	957.1	941.1	941.1	948.6	951.8
22.5°	930.5	931.6	936.9	943.2	927.4	936.9	932.6	916.8	917.8	924.1	928.4
25°	898.6	900.8	905.0	911.4	896.5	905.0	898.6	885.9	884.9	892.2	897.6
27.5°	857.2	860.4	864.6	870.0	856.1	862.5	858.2	845.5	844.5	851.9	857.2
30°	805.2	809.5	813.8	816.9	804.1	810.5	805.2	793.5	793.5	799.9	803.1
32.5°	743.6	747.9	753.1	755.2	742.5	750.0	745.8	733.0	733.0	739.4	745.8
35°	670.2	677.8	680.9	684.1	671.4	675.6	677.8	660.8	662.9	668.1	676.6
37.5°	591.6	598.0	602.2	604.4	592.8	597.0	598.0	583.1	585.2	589.5	599.1
40°	503.5	511.0	514.1	515.2	506.8	509.9	511.0	496.1	499.2	502.5	509.9
42.5°	415.4	416.4	419.6	421.8	414.2	415.4	417.5	403.6	407.9	409.0	416.4
45°	316.5	320.8	322.9	325.0	318.6	320.8	320.8	311.2	312.2	314.4	320.8
47.5°	228.4	231.6	233.8	235.9	230.5	232.6	232.6	223.1	226.2	227.4	231.6
50°	156.1	158.2	159.4	158.2	158.2	158.2	158.2	153.0	156.1	153.0	158.2
52.5°	102.0	103.0	105.1	105.1	102.0	104.1	104.1	99.9	100.9	100.9	104.1
55°	62.6	63.8	64.8	63.8	62.6	63.8	63.8	61.6	63.8	61.6	64.8
57.5°	36.1	37.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	35.0	37.1
60°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	21.2
62.5°	12.8	13.8	13.8	13.8	13.8	13.8	13.8	12.8	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



TEST NUMBER: P212793

CATALOG NUMBER: LE_6B15D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5
2.5°	923.1	914.6	914.6	905.0	913.5	914.6	904.0	900.8	912.5	899.8	906.1
5°	931.6	923.1	923.1	913.5	919.9	919.9	909.2	904.0	915.6	902.9	908.2
7.5°	942.2	932.6	930.5	921.0	926.2	927.4	914.6	907.1	918.9	904.0	909.2
10°	945.4	934.8	933.8	924.1	928.4	929.5	914.6	908.2	917.8	901.9	905.0
12.5°	952.9	941.1	941.1	931.6	934.8	934.8	919.9	911.4	919.9	904.0	906.1
15°	961.4	948.6	948.6	939.0	941.1	942.2	924.1	915.6	923.1	906.1	908.2
17.5°	961.4	947.5	947.5	939.0	940.1	939.0	922.0	912.5	917.8	899.8	900.8
20°	946.5	932.6	934.8	925.2	926.2	925.2	907.1	897.6	902.9	883.8	885.9
22.5°	922.0	909.2	911.4	902.9	902.9	901.9	884.9	875.2	880.6	861.5	862.5
25°	891.2	878.5	880.6	872.1	873.1	873.1	856.1	845.5	850.9	833.9	833.9
27.5°	850.9	838.1	841.2	836.0	832.9	833.9	819.0	808.4	813.8	797.8	797.8
30°	798.9	788.2	791.4	787.1	784.0	784.0	771.2	760.6	765.9	752.1	751.0
32.5°	737.2	728.8	731.9	728.8	725.5	728.8	714.9	704.2	709.6	699.0	700.0
35°	670.2	661.8	663.9	660.8	658.6	660.8	646.9	639.5	644.8	634.1	638.4
37.5°	595.9	581.0	587.4	585.2	583.1	584.2	571.5	566.1	572.5	566.1	569.4
40°	508.9	498.2	502.5	500.4	498.2	503.5	494.0	486.5	491.9	487.6	494.0
42.5°	414.2	405.8	411.1	410.0	406.9	413.2	405.8	400.5	409.0	406.9	412.1
45°	318.6	312.2	316.5	316.5	315.5	320.8	313.4	314.4	322.9	326.1	332.5
47.5°	230.5	221.0	226.2	229.5	229.5	234.8	230.5	234.8	244.4	250.8	256.0
50°	157.2	155.1	156.1	157.2	159.4	163.6	162.5	168.9	175.2	185.9	192.2
52.5°	104.1	102.0	104.1	105.1	107.2	111.5	111.5	119.0	126.4	136.0	143.4
55°	64.8	63.8	64.8	65.9	68.0	72.2	73.2	80.8	88.1	97.8	104.1
57.5°	37.1	38.2	38.2	40.4	41.4	44.6	47.8	52.0	60.5	70.1	76.5
60°	21.2	21.2	22.2	23.4	24.4	27.6	29.8	34.0	40.4	49.9	54.1
62.5°	13.8	13.8	14.9	14.9	15.9	18.0	20.1	24.4	29.8	37.1	41.4
65°	11.6	11.6	11.6	12.8	12.8	14.9	17.0	20.1	24.4	29.8	34.0
67.5°	9.5	9.5	9.5	10.6	10.6	11.6	13.8	15.9	19.1	23.4	26.5
70°	7.4	7.4	7.4	8.5	8.5	9.5	10.6	11.6	14.9	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	14.9
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



TEST NUMBER: P212793

CATALOG NUMBER: LE_6B15D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5
2.5°	898.6	901.9	901.9	898.6	890.1	897.6	905.0	897.6	907.1	890.1	890.1
5°	898.6	900.8	899.8	895.5	887.0	893.4	898.6	891.2	898.6	882.8	881.6
7.5°	900.8	898.6	896.5	891.2	880.6	884.9	890.1	881.6	889.1	872.1	870.0
10°	896.5	893.4	889.1	881.6	870.0	873.1	876.4	868.9	874.2	857.2	856.1
12.5°	896.5	891.2	884.9	876.4	863.6	865.8	868.9	859.4	863.6	847.6	845.5
15°	898.6	889.1	881.6	872.1	858.2	859.4	861.5	850.9	855.1	838.1	837.1
17.5°	891.2	880.6	873.1	861.5	846.6	847.6	847.6	837.1	840.2	823.2	822.2
20°	875.2	862.5	854.0	843.4	827.5	827.5	827.5	816.9	819.0	804.1	802.0
22.5°	853.0	839.1	830.8	820.1	805.2	804.1	803.1	794.6	794.6	780.8	777.6
25°	823.2	810.5	802.0	792.5	777.6	775.5	775.5	768.0	767.0	754.2	752.1
27.5°	789.2	774.4	767.0	758.5	744.6	742.5	741.5	737.2	735.1	721.2	720.2
30°	743.6	730.9	724.5	717.0	704.2	702.1	701.1	696.9	695.8	682.0	682.0
32.5°	694.8	678.8	674.5	667.1	657.5	656.5	657.5	652.2	648.0	638.4	636.2
35°	636.2	620.4	617.1	614.0	606.5	604.4	603.4	602.2	597.0	590.6	587.4
37.5°	568.2	554.5	554.5	553.5	548.1	548.1	548.1	546.0	540.8	538.6	532.2
40°	495.0	484.4	485.5	486.5	484.4	485.5	486.5	484.4	480.1	478.0	472.8
42.5°	416.4	411.1	415.4	418.5	418.5	421.8	423.9	423.9	418.5	417.5	413.2
45°	337.8	336.8	345.2	351.6	353.8	359.0	362.2	360.1	360.1	360.1	355.9
47.5°	264.5	268.8	276.2	288.9	293.1	299.5	301.6	304.9	303.8	304.9	301.6
50°	200.8	210.4	219.9	232.6	239.0	246.5	249.6	253.9	253.9	255.0	252.9
52.5°	151.9	159.4	175.2	183.8	191.2	198.6	202.9	207.1	208.2	208.2	206.1
55°	112.6	123.2	133.9	145.5	151.9	159.4	162.5	166.8	166.8	168.9	166.8
57.5°	81.8	92.4	104.1	112.6	120.0	125.4	128.5	131.8	133.9	133.9	132.8
60°	60.5	69.0	78.6	87.1	93.5	98.8	100.9	104.1	105.1	105.1	103.0
62.5°	45.6	54.1	62.6	70.1	74.4	78.6	80.8	82.9	82.9	82.9	81.8
65°	37.1	43.5	49.9	56.2	60.5	63.8	64.8	66.9	65.9	66.9	65.9
67.5°	29.8	34.0	39.2	43.5	46.8	48.9	49.9	52.0	51.0	52.0	51.0
70°	22.2	26.5	29.8	32.9	35.0	37.1	38.2	39.2	38.2	39.2	38.2
72.5°	17.0	19.1	22.2	25.5	26.5	27.6	28.6	28.6	28.6	29.8	28.6
75°	11.6	13.8	15.9	17.0	19.1	20.1	20.1	21.2	21.2	21.2	21.2
77.5°	8.5	9.5	10.6	11.6	12.8	13.8	13.8	14.9	14.9	14.9	14.9
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: P212793

CATALOG NUMBER: LE_6B15D010 EC6B10209050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	912.5	912.5	912.5	912.5
2.5°	898.6	893.4	901.9	889.1
5°	889.1	883.8	894.4	878.5
7.5°	877.4	872.1	881.6	865.8
10°	862.5	857.2	865.8	848.8
12.5°	849.8	844.5	854.0	838.1
15°	840.2	835.0	843.4	828.6
17.5°	825.4	819.0	828.6	812.6
20°	804.1	799.9	807.4	791.4
22.5°	779.8	775.5	784.0	768.0
25°	754.2	748.9	757.4	741.5
27.5°	721.2	717.0	725.5	709.6
30°	682.0	677.8	686.2	671.4
32.5°	637.4	633.1	639.5	626.8
35°	586.4	583.1	589.5	575.8
37.5°	531.1	528.0	534.4	520.5
40°	471.6	468.5	473.8	467.4
42.5°	413.2	410.0	415.4	410.0
45°	355.9	353.8	359.0	353.8
47.5°	302.8	300.6	305.9	300.6
50°	251.8	252.9	255.0	252.9
52.5°	206.1	206.1	209.2	206.1
55°	166.8	167.9	168.9	166.8
57.5°	132.8	132.8	133.9	132.8
60°	103.0	104.1	104.1	103.0
62.5°	81.8	81.8	81.8	81.8
65°	64.8	64.8	65.9	64.8
67.5°	51.0	49.9	51.0	49.9
70°	38.2	38.2	38.2	38.2
72.5°	29.8	29.8	28.6	28.6
75°	21.2	22.2	21.2	21.2
77.5°	14.9	14.9	14.9	14.9
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)