

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: P212792

Luminaire Tested: **LE_6B15D010 EC6B10209040 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212792
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 EC6B10209040 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1519.8 lumens
Efficiency: N/A
Efficacy: 105.5 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

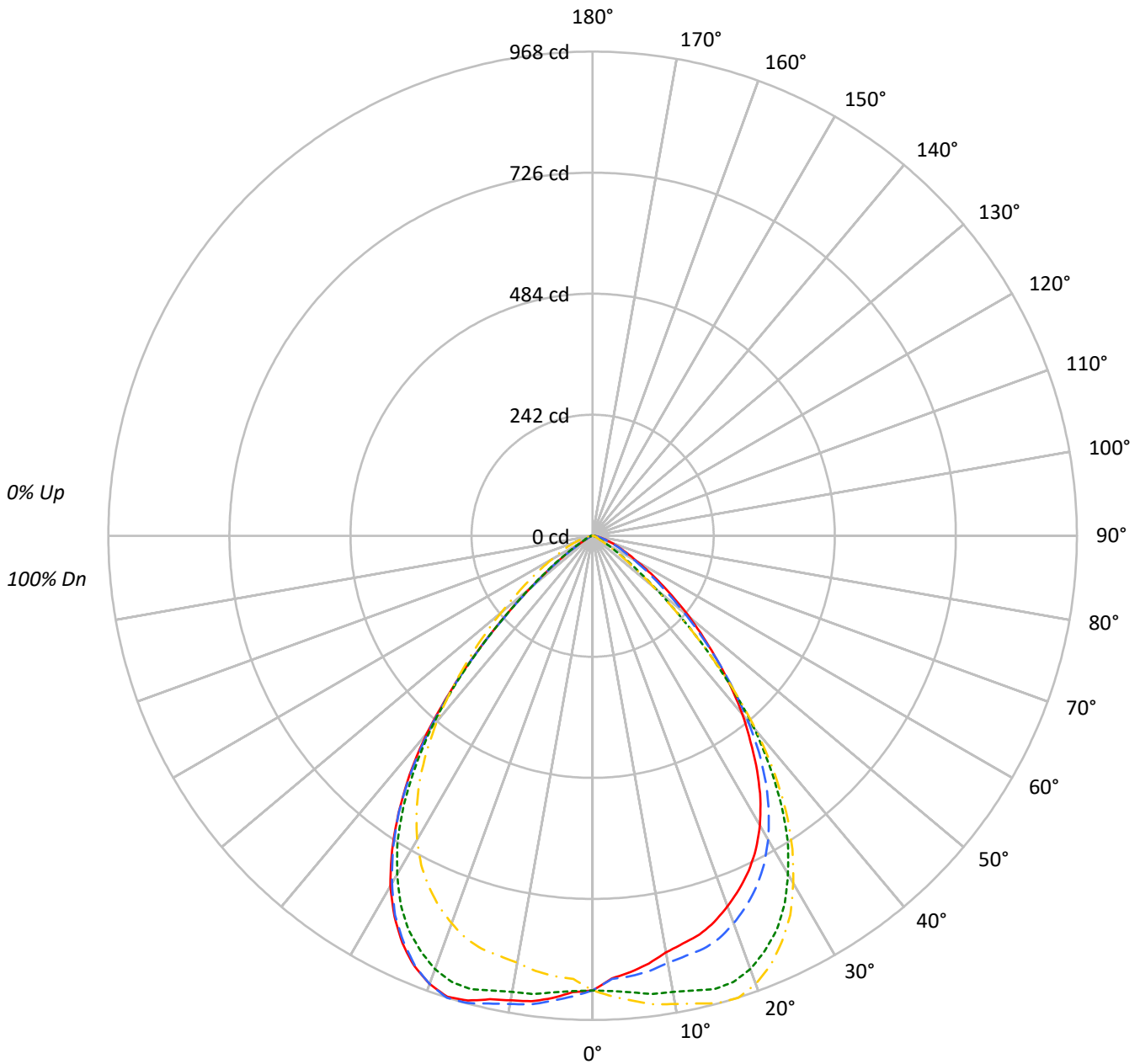
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	99	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	71	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°	49832	49832	49832	49832
5°	48162	50435	51073	50435
10°	47065	51547	52487	51547
15°	46850	53269	54597	53269
20°	45994	53776	55626	53776
25°	44676	52618	54408	52618
30°	42342	49438	51179	49438
35°	38387	44049	45253	44049
40°	33320	35896	36812	35896
45°	27321	24778	24948	24778
50°	21483	13901	13629	13901
55°	15875	6881	6165	6881
60°	11249	3015	2204	3015
65°	8367	1933	1375	1933
70°	6107	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°	87.0	5.7
10°-20°	257.7	17.0
20°-30°	384.6	25.3
30°-40°	395.2	26.0
40°-50°	255.9	16.8
50°-60°	95.2	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°	729.4	48.0
0°-40°	1124.6	74.0
0°-60°	1475.7	97.1
0°-90°	1519.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	909	909	909	909	909	
5°	875	916	928	916	875	83
15°	826	939	962	939	826	232
25°	739	870	900	870	739	339
35°	574	658	676	658	574	356
45°	352	320	322	320	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°	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0
2.5°	885.8	898.5	890.0	895.2	886.9	886.9	903.8	894.2	901.6	894.2	886.9
5°	875.2	891.1	880.5	885.8	878.4	879.4	895.2	887.9	895.2	890.0	883.6
7.5°	862.5	878.4	868.9	874.1	866.8	868.9	885.8	878.4	886.9	881.5	877.2
10°	845.5	862.5	854.0	859.4	853.0	854.0	871.0	865.6	873.1	869.9	866.8
12.5°	835.0	850.9	841.4	846.6	842.4	844.5	860.4	856.1	865.6	862.5	860.4
15°	825.5	840.2	831.8	837.1	833.9	835.0	851.9	847.6	858.2	856.1	855.1
17.5°	809.6	825.5	815.9	822.2	819.1	820.1	837.1	833.9	844.5	844.5	843.5
20°	788.4	804.2	796.9	801.1	799.0	801.1	815.9	813.8	824.4	824.4	824.4
22.5°	765.1	781.0	772.5	776.8	774.6	777.9	791.6	791.6	800.0	801.1	802.1
25°	738.6	754.5	746.1	751.4	749.2	751.4	764.1	765.1	772.5	772.5	774.6
27.5°	706.9	722.8	714.4	718.6	717.5	718.6	732.4	734.5	738.6	739.8	741.9
30°	668.9	683.6	675.1	679.4	679.4	679.4	693.1	694.2	698.5	699.5	701.6
32.5°	624.4	637.1	630.8	635.0	633.9	636.0	645.5	649.8	655.1	654.0	655.1
35°	573.6	587.4	581.0	584.1	585.2	588.4	594.8	600.0	601.1	602.1	604.2
37.5°	518.5	532.2	526.0	529.1	530.2	536.5	538.6	544.0	546.1	546.1	546.1
40°	465.6	472.0	466.8	469.9	470.9	476.2	478.4	482.6	484.8	483.6	482.6
42.5°	408.5	413.8	408.5	411.6	411.6	415.9	417.0	422.2	422.2	420.1	417.0
45°	352.4	357.8	352.4	354.5	354.5	358.8	358.8	358.8	360.9	357.8	352.4
47.5°	299.5	304.8	299.5	301.6	300.5	303.8	302.6	303.8	300.5	298.4	292.1
50°	251.9	254.0	251.9	250.8	251.9	254.0	252.9	252.9	248.8	245.5	238.1
52.5°	205.2	208.5	205.2	205.2	205.2	207.4	207.4	206.4	202.1	197.9	190.5
55°	166.1	168.2	167.2	166.1	166.1	168.2	166.1	166.1	161.9	158.8	151.4
57.5°	132.2	133.4	132.2	132.2	132.2	133.4	133.4	131.2	128.0	124.9	119.6
60°	102.6	103.8	103.8	102.6	102.6	104.8	104.8	103.8	100.5	98.4	93.1
62.5°	81.5	81.5	81.5	81.5	81.5	82.5	82.5	82.5	80.4	78.2	74.1
65°	64.5	65.6	64.5	64.5	65.6	66.6	65.6	66.6	64.5	63.5	60.4
67.5°	49.8	50.8	49.8	50.8	50.8	51.9	50.8	51.9	49.8	48.6	46.6
70°	38.1	38.1	38.1	38.1	38.1	39.1	38.1	39.1	38.1	37.0	34.9
72.5°	28.6	28.6	29.6	29.6	28.6	29.6	28.6	28.6	28.6	27.5	26.5
75°	21.1	21.1	22.2	21.1	21.1	21.1	21.1	21.1	20.1	20.1	19.0
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°	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0
2.5°	895.2	898.5	898.5	895.2	902.8	896.4	909.0	897.4	900.6	911.1	910.1
5°	892.1	896.4	897.4	895.2	904.9	899.5	912.2	900.6	905.9	916.5	916.5
7.5°	887.9	893.1	895.2	897.4	905.9	900.6	915.4	903.8	911.1	923.9	922.9
10°	878.4	885.8	890.0	893.1	901.6	898.5	914.4	904.9	911.1	926.0	924.9
12.5°	873.1	881.5	887.9	893.1	902.8	900.6	916.5	908.0	916.5	931.2	931.2
15°	868.9	878.4	885.8	895.2	904.9	902.8	919.6	912.2	920.8	938.6	937.6
17.5°	858.2	869.9	877.2	887.9	897.4	896.4	914.4	909.0	918.6	935.5	936.6
20°	840.2	850.9	859.4	872.0	882.6	880.5	899.5	894.2	903.8	921.8	922.9
22.5°	817.0	827.6	836.0	849.8	859.4	858.2	877.2	872.0	881.5	898.5	899.5
25°	789.5	799.0	807.5	820.1	830.8	830.8	847.6	842.4	853.0	869.9	869.9
27.5°	755.6	764.1	771.5	786.2	794.8	794.8	810.6	805.4	815.9	830.8	829.6
30°	714.4	721.8	728.1	740.8	748.2	749.2	763.0	757.8	768.2	781.0	781.0
32.5°	664.6	672.0	676.2	692.1	697.4	696.4	706.9	701.6	712.2	726.0	722.8
35°	611.6	614.9	618.0	633.9	636.0	631.8	642.4	637.1	644.5	658.2	656.1
37.5°	551.4	552.4	552.4	566.1	567.2	564.0	570.4	564.0	569.4	582.0	581.0
40°	484.8	483.6	482.6	493.1	492.1	485.8	490.0	484.8	492.1	501.6	496.4
42.5°	417.0	413.8	409.5	414.9	410.6	405.4	407.4	399.0	404.2	411.6	405.4
45°	350.2	344.0	335.5	336.5	331.2	324.9	321.8	313.2	312.2	319.6	314.2
47.5°	287.9	275.1	267.8	263.5	255.0	249.8	243.4	233.9	229.6	233.9	228.6
50°	231.8	219.0	209.5	200.0	191.5	185.2	174.6	168.2	161.9	163.0	158.8
52.5°	183.1	174.6	158.8	151.4	142.9	135.5	125.9	118.5	111.1	111.1	106.9
55°	145.0	133.4	122.8	112.1	103.8	97.4	87.9	80.4	73.0	72.0	67.8
57.5°	112.1	103.8	92.1	81.5	76.2	69.9	60.4	51.9	47.6	44.5	41.2
60°	86.8	78.2	68.8	60.4	54.0	49.8	40.2	33.9	29.6	27.5	24.4
62.5°	69.9	62.5	54.0	45.5	41.2	37.0	29.6	24.4	20.1	18.0	15.9
65°	56.1	49.8	43.4	37.0	33.9	29.6	24.4	20.1	16.9	14.9	12.8
67.5°	43.4	39.1	33.9	29.6	26.5	23.2	19.0	15.9	13.8	11.6	10.6
70°	32.8	29.6	26.5	22.2	20.1	18.0	14.9	11.6	10.6	9.5	8.5
72.5°	25.4	22.2	19.0	16.9	14.9	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°	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0
2.5°	901.6	911.1	911.1	919.6	920.8	918.6	909.0	909.0	921.8	929.1	916.5
5°	910.1	919.6	919.6	928.1	932.4	929.1	919.6	920.8	933.4	941.9	929.1
7.5°	917.5	927.0	929.1	938.6	941.9	938.6	929.1	931.2	945.0	952.5	939.8
10°	920.8	930.2	931.2	941.9	946.1	941.9	934.5	935.5	950.4	955.6	944.0
12.5°	928.1	937.6	937.6	949.2	953.5	950.4	940.8	942.9	957.8	963.0	951.4
15°	935.5	945.0	945.0	957.8	963.0	958.8	951.4	952.5	967.2	972.5	963.0
17.5°	935.5	944.0	944.0	957.8	963.0	959.9	951.4	952.5	968.4	972.5	963.0
20°	921.8	931.2	929.1	942.9	948.2	945.0	937.6	937.6	953.5	957.8	948.2
22.5°	899.5	908.0	905.9	918.6	924.9	920.8	914.4	913.2	929.1	933.4	923.9
25°	868.9	877.2	875.2	887.9	894.2	889.0	881.5	882.6	895.2	901.6	893.1
27.5°	832.9	838.1	835.0	847.6	854.0	848.8	841.4	842.4	855.1	859.4	853.0
30°	784.1	788.4	785.2	795.9	800.0	796.9	790.5	790.5	802.1	807.5	801.1
32.5°	726.0	729.1	726.0	734.5	742.9	736.5	730.2	730.2	742.9	747.1	739.8
35°	658.2	661.4	659.2	667.8	674.1	665.6	660.4	658.2	675.1	673.0	668.9
37.5°	583.1	585.2	578.9	593.8	596.9	587.4	583.1	581.0	595.8	594.8	590.5
40°	498.5	500.5	496.4	506.9	508.0	500.5	497.4	494.2	509.0	508.0	504.8
42.5°	408.5	409.5	404.2	412.8	414.9	407.4	406.4	402.1	415.9	413.8	412.8
45°	315.4	315.4	311.1	317.5	319.6	313.2	311.1	310.1	319.6	319.6	317.5
47.5°	228.6	225.4	220.1	229.6	230.8	226.5	225.4	222.2	231.8	231.8	229.6
50°	156.6	155.6	154.5	156.6	157.6	152.4	155.6	152.4	157.6	157.6	157.6
52.5°	104.8	103.8	101.6	103.8	103.8	100.5	100.5	99.5	103.8	103.8	101.6
55°	65.6	64.5	63.5	64.5	64.5	61.4	63.5	61.4	63.5	63.5	62.5
57.5°	40.2	38.1	38.1	37.0	37.0	34.9	36.0	36.0	36.0	36.0	36.0
60°	23.2	22.2	21.1	21.1	21.1	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°	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0
2.5°	931.2	920.8	915.4	926.0	930.2	924.9	920.8	913.2	920.8	924.9	930.2
5°	944.0	934.5	930.2	937.6	944.0	938.6	935.5	928.1	935.5	938.6	944.0
7.5°	955.6	946.1	940.8	948.2	955.6	948.2	945.0	938.6	945.0	948.2	955.6
10°	959.9	949.2	945.0	951.4	958.8	951.4	947.1	942.9	947.1	951.4	958.8
12.5°	967.2	956.6	951.4	956.6	964.1	956.6	952.5	949.2	952.5	956.6	964.1
15°	977.9	968.4	962.0	967.2	976.8	968.4	963.0	962.0	963.0	968.4	976.8
17.5°	977.9	970.4	964.1	968.4	977.9	971.5	964.1	966.2	964.1	971.5	977.9
20°	964.1	956.6	951.4	951.4	965.1	956.6	950.4	953.5	950.4	956.6	965.1
22.5°	939.8	933.4	928.1	927.0	940.8	933.4	924.9	931.2	924.9	933.4	940.8
25°	908.0	901.6	897.4	895.2	909.0	900.6	893.1	899.5	893.1	900.6	909.0
27.5°	866.8	861.4	857.2	854.0	866.8	859.4	851.9	858.2	851.9	859.4	866.8
30°	813.8	810.6	806.4	802.1	814.9	807.5	800.0	808.5	800.0	807.5	814.9
32.5°	752.4	750.4	745.0	740.8	753.5	745.0	739.8	746.1	739.8	745.0	753.5
35°	681.5	678.4	675.1	667.8	681.5	674.1	674.1	676.2	674.1	674.1	681.5
37.5°	602.1	600.0	595.8	589.5	601.1	595.8	593.8	600.0	593.8	595.8	601.1
40°	513.2	512.2	509.0	501.6	514.4	509.0	505.9	514.4	505.9	509.0	514.4
42.5°	420.1	418.0	414.9	413.8	420.1	415.9	419.1	419.1	419.1	415.9	420.1
45°	323.9	321.8	319.6	315.4	322.8	320.6	319.6	321.8	319.6	320.6	322.8
47.5°	234.9	232.9	230.8	227.5	234.9	231.8	231.8	233.9	231.8	231.8	234.9
50°	157.6	158.8	157.6	155.6	157.6	156.6	157.6	159.8	157.6	156.6	157.6
52.5°	104.8	104.8	102.6	101.6	103.8	102.6	105.9	103.8	105.9	102.6	103.8
55°	63.5	64.5	63.5	62.5	63.5	62.5	65.6	64.5	65.6	62.5	63.5
57.5°	36.0	36.0	37.0	36.0	38.1	37.0	37.0	37.0	37.0	37.0	38.1
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	12.8	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: P212792

CATALOG NUMBER: LE_6B15D010 EC6B10209040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0
2.5°	926.0	915.4	920.8	931.2	916.5	929.1	921.8	909.0	909.0	918.6	920.8
5°	937.6	930.2	934.5	944.0	929.1	941.9	933.4	920.8	919.6	929.1	932.4
7.5°	948.2	940.8	946.1	955.6	939.8	952.5	945.0	931.2	929.1	938.6	941.9
10°	951.4	945.0	949.2	959.9	944.0	955.6	950.4	935.5	934.5	941.9	946.1
12.5°	956.6	951.4	956.6	967.2	951.4	963.0	957.8	942.9	940.8	950.4	953.5
15°	967.2	962.0	968.4	977.9	963.0	972.5	967.2	952.5	951.4	958.8	963.0
17.5°	968.4	964.1	970.4	977.9	963.0	972.5	968.4	952.5	951.4	959.9	963.0
20°	951.4	951.4	956.6	964.1	948.2	957.8	953.5	937.6	937.6	945.0	948.2
22.5°	927.0	928.1	933.4	939.8	923.9	933.4	929.1	913.2	914.4	920.8	924.9
25°	895.2	897.4	901.6	908.0	893.1	901.6	895.2	882.6	881.5	889.0	894.2
27.5°	854.0	857.2	861.4	866.8	853.0	859.4	855.1	842.4	841.4	848.8	854.0
30°	802.1	806.4	810.6	813.8	801.1	807.5	802.1	790.5	790.5	796.9	800.0
32.5°	740.8	745.0	750.4	752.4	739.8	747.1	742.9	730.2	730.2	736.5	742.9
35°	667.8	675.1	678.4	681.5	668.9	673.0	675.1	658.2	660.4	665.6	674.1
37.5°	589.5	595.8	600.0	602.1	590.5	594.8	595.8	581.0	583.1	587.4	596.9
40°	501.6	509.0	512.2	513.2	504.8	508.0	509.0	494.2	497.4	500.5	508.0
42.5°	413.8	414.9	418.0	420.1	412.8	413.8	415.9	402.1	406.4	407.4	414.9
45°	315.4	319.6	321.8	323.9	317.5	319.6	319.6	310.1	311.1	313.2	319.6
47.5°	227.5	230.8	232.9	234.9	229.6	231.8	231.8	222.2	225.4	226.5	230.8
50°	155.6	157.6	158.8	157.6	157.6	157.6	157.6	152.4	155.6	152.4	157.6
52.5°	101.6	102.6	104.8	104.8	101.6	103.8	103.8	99.5	100.5	100.5	103.8
55°	62.5	63.5	64.5	63.5	62.5	63.5	63.5	61.4	63.5	61.4	64.5
57.5°	36.0	37.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	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°	12.8	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: P212792

CATALOG NUMBER: LE_6B15D010 EC6B10209040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0
2.5°	919.6	911.1	911.1	901.6	910.1	911.1	900.6	897.4	909.0	896.4	902.8
5°	928.1	919.6	919.6	910.1	916.5	916.5	905.9	900.6	912.2	899.5	904.9
7.5°	938.6	929.1	927.0	917.5	922.9	923.9	911.1	903.8	915.4	900.6	905.9
10°	941.9	931.2	930.2	920.8	924.9	926.0	911.1	904.9	914.4	898.5	901.6
12.5°	949.2	937.6	937.6	928.1	931.2	931.2	916.5	908.0	916.5	900.6	902.8
15°	957.8	945.0	945.0	935.5	937.6	938.6	920.8	912.2	919.6	902.8	904.9
17.5°	957.8	944.0	944.0	935.5	936.6	935.5	918.6	909.0	914.4	896.4	897.4
20°	942.9	929.1	931.2	921.8	922.9	921.8	903.8	894.2	899.5	880.5	882.6
22.5°	918.6	905.9	908.0	899.5	899.5	898.5	881.5	872.0	877.2	858.2	859.4
25°	887.9	875.2	877.2	868.9	869.9	869.9	853.0	842.4	847.6	830.8	830.8
27.5°	847.6	835.0	838.1	832.9	829.6	830.8	815.9	805.4	810.6	794.8	794.8
30°	795.9	785.2	788.4	784.1	781.0	781.0	768.2	757.8	763.0	749.2	748.2
32.5°	734.5	726.0	729.1	726.0	722.8	726.0	712.2	701.6	706.9	696.4	697.4
35°	667.8	659.2	661.4	658.2	656.1	658.2	644.5	637.1	642.4	631.8	636.0
37.5°	593.8	578.9	585.2	583.1	581.0	582.0	569.4	564.0	570.4	564.0	567.2
40°	506.9	496.4	500.5	498.5	496.4	501.6	492.1	484.8	490.0	485.8	492.1
42.5°	412.8	404.2	409.5	408.5	405.4	411.6	404.2	399.0	407.4	405.4	410.6
45°	317.5	311.1	315.4	315.4	314.2	319.6	312.2	313.2	321.8	324.9	331.2
47.5°	229.6	220.1	225.4	228.6	228.6	233.9	229.6	233.9	243.4	249.8	255.0
50°	156.6	154.5	155.6	156.6	158.8	163.0	161.9	168.2	174.6	185.2	191.5
52.5°	103.8	101.6	103.8	104.8	106.9	111.1	111.1	118.5	125.9	135.5	142.9
55°	64.5	63.5	64.5	65.6	67.8	72.0	73.0	80.4	87.9	97.4	103.8
57.5°	37.0	38.1	38.1	40.2	41.2	44.5	47.6	51.9	60.4	69.9	76.2
60°	21.1	21.1	22.2	23.2	24.4	27.5	29.6	33.9	40.2	49.8	54.0
62.5°	13.8	13.8	14.9	14.9	15.9	18.0	20.1	24.4	29.6	37.0	41.2
65°	11.6	11.6	11.6	12.8	12.8	14.9	16.9	20.1	24.4	29.6	33.9
67.5°	9.5	9.5	9.5	10.6	10.6	11.6	13.8	15.9	19.0	23.2	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: P212792

CATALOG NUMBER: LE_6B15D010 EC6B10209040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0	909.0
2.5°	895.2	898.5	898.5	895.2	886.9	894.2	901.6	894.2	903.8	886.9	886.9
5°	895.2	897.4	896.4	892.1	883.6	890.0	895.2	887.9	895.2	879.4	878.4
7.5°	897.4	895.2	893.1	887.9	877.2	881.5	886.9	878.4	885.8	868.9	866.8
10°	893.1	890.0	885.8	878.4	866.8	869.9	873.1	865.6	871.0	854.0	853.0
12.5°	893.1	887.9	881.5	873.1	860.4	862.5	865.6	856.1	860.4	844.5	842.4
15°	895.2	885.8	878.4	868.9	855.1	856.1	858.2	847.6	851.9	835.0	833.9
17.5°	887.9	877.2	869.9	858.2	843.5	844.5	844.5	833.9	837.1	820.1	819.1
20°	872.0	859.4	850.9	840.2	824.4	824.4	824.4	813.8	815.9	801.1	799.0
22.5°	849.8	836.0	827.6	817.0	802.1	801.1	800.0	791.6	791.6	777.9	774.6
25°	820.1	807.5	799.0	789.5	774.6	772.5	772.5	765.1	764.1	751.4	749.2
27.5°	786.2	771.5	764.1	755.6	741.9	739.8	738.6	734.5	732.4	718.6	717.5
30°	740.8	728.1	721.8	714.4	701.6	699.5	698.5	694.2	693.1	679.4	679.4
32.5°	692.1	676.2	672.0	664.6	655.1	654.0	655.1	649.8	645.5	636.0	633.9
35°	633.9	618.0	614.9	611.6	604.2	602.1	601.1	600.0	594.8	588.4	585.2
37.5°	566.1	552.4	552.4	551.4	546.1	546.1	546.1	544.0	538.6	536.5	530.2
40°	493.1	482.6	483.6	484.8	482.6	483.6	484.8	482.6	478.4	476.2	470.9
42.5°	414.9	409.5	413.8	417.0	417.0	420.1	422.2	422.2	417.0	415.9	411.6
45°	336.5	335.5	344.0	350.2	352.4	357.8	360.9	358.8	358.8	358.8	354.5
47.5°	263.5	267.8	275.1	287.9	292.1	298.4	300.5	303.8	302.6	303.8	300.5
50°	200.0	209.5	219.0	231.8	238.1	245.5	248.8	252.9	252.9	254.0	251.9
52.5°	151.4	158.8	174.6	183.1	190.5	197.9	202.1	206.4	207.4	207.4	205.2
55°	112.1	122.8	133.4	145.0	151.4	158.8	161.9	166.1	166.1	168.2	166.1
57.5°	81.5	92.1	103.8	112.1	119.6	124.9	128.0	131.2	133.4	133.4	132.2
60°	60.4	68.8	78.2	86.8	93.1	98.4	100.5	103.8	104.8	104.8	102.6
62.5°	45.5	54.0	62.5	69.9	74.1	78.2	80.4	82.5	82.5	82.5	81.5
65°	37.0	43.4	49.8	56.1	60.4	63.5	64.5	66.6	65.6	66.6	65.6
67.5°	29.6	33.9	39.1	43.4	46.6	48.6	49.8	51.9	50.8	51.9	50.8
70°	22.2	26.5	29.6	32.8	34.9	37.0	38.1	39.1	38.1	39.1	38.1
72.5°	16.9	19.0	22.2	25.4	26.5	27.5	28.6	28.6	28.6	29.6	28.6
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	12.8	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: P212792

CATALOG NUMBER: LE_6B15D010 EC6B10209040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	909.0	909.0	909.0	909.0
2.5°	895.2	890.0	898.5	885.8
5°	885.8	880.5	891.1	875.2
7.5°	874.1	868.9	878.4	862.5
10°	859.4	854.0	862.5	845.5
12.5°	846.6	841.4	850.9	835.0
15°	837.1	831.8	840.2	825.5
17.5°	822.2	815.9	825.5	809.6
20°	801.1	796.9	804.2	788.4
22.5°	776.8	772.5	781.0	765.1
25°	751.4	746.1	754.5	738.6
27.5°	718.6	714.4	722.8	706.9
30°	679.4	675.1	683.6	668.9
32.5°	635.0	630.8	637.1	624.4
35°	584.1	581.0	587.4	573.6
37.5°	529.1	526.0	532.2	518.5
40°	469.9	466.8	472.0	465.6
42.5°	411.6	408.5	413.8	408.5
45°	354.5	352.4	357.8	352.4
47.5°	301.6	299.5	304.8	299.5
50°	250.8	251.9	254.0	251.9
52.5°	205.2	205.2	208.5	205.2
55°	166.1	167.2	168.2	166.1
57.5°	132.2	132.2	133.4	132.2
60°	102.6	103.8	103.8	102.6
62.5°	81.5	81.5	81.5	81.5
65°	64.5	64.5	65.6	64.5
67.5°	50.8	49.8	50.8	49.8
70°	38.1	38.1	38.1	38.1
72.5°	29.6	29.6	28.6	28.6
75°	21.1	22.2	21.1	21.1
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)