

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: P212853

Luminaire Tested: **LE_6B60D010R EC6B60709024 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212853
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_6B60D010R EC6B60709024 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5154.4 lumens
Efficiency: N/A
Efficacy: 82.5 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

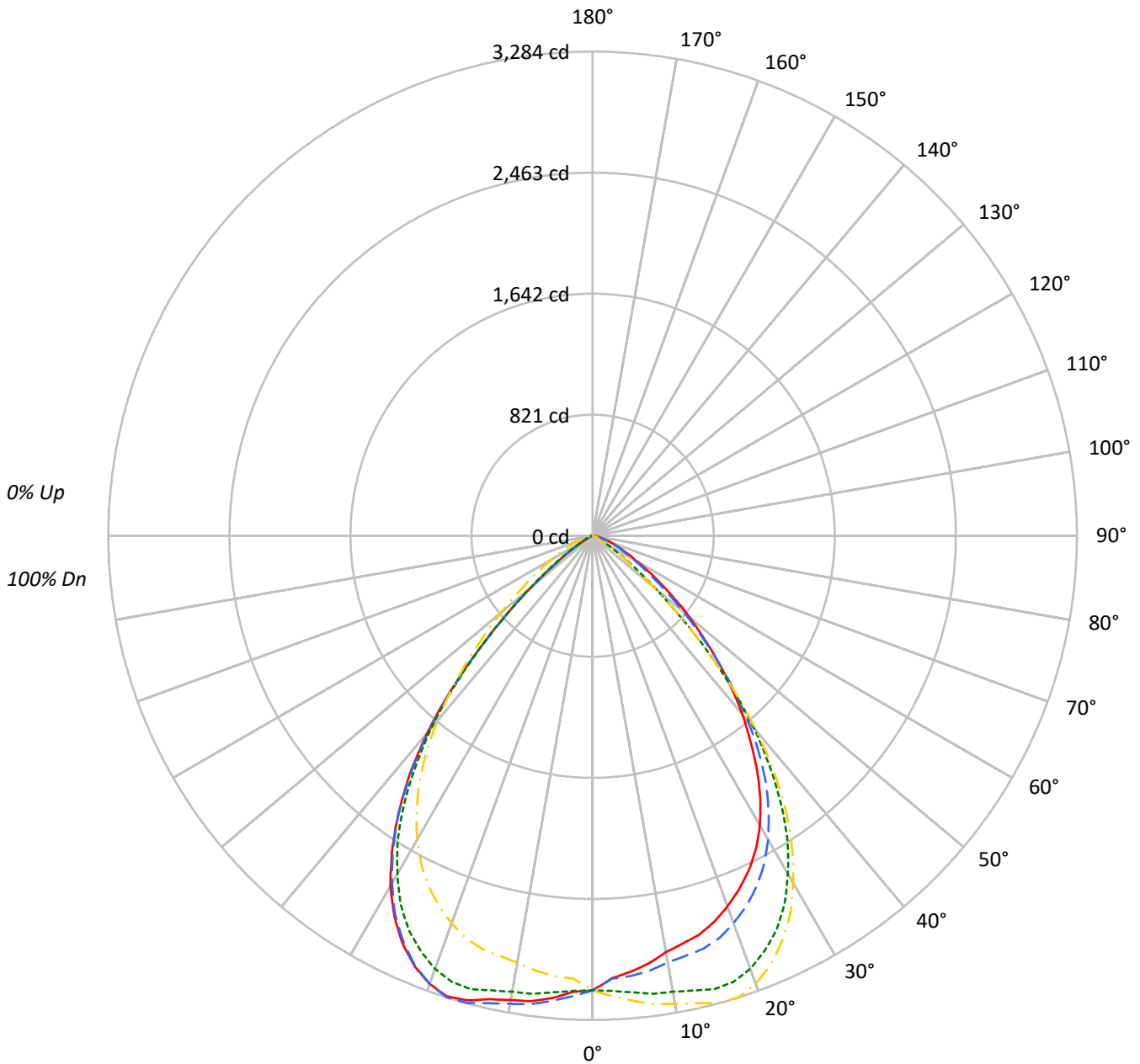
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	169005	169005	169005	169005
5°	163328	171032	173206	171032
10°	159622	174813	178008	174813
15°	158877	180671	185154	180671
20°	155985	182366	188643	182366
25°	151527	178444	184523	178444
30°	143579	167659	173571	167659
35°	130179	149399	153481	149399
40°	113005	121735	124820	121735
45°	92653	84032	84582	84032
50°	72842	47146	46216	47146
55°	53857	23321	20922	23321
60°	38166	10218	7477	10218
65°	28395	6512	4657	6512
70°	20709	5161	3446	5161
75°	15208	3813	2288	3813
80°	10165	3410	1137	3410
85°	6793	2264	2264	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.1	5.7
10°-20°	874.1	17.0
20°-30°	1304.4	25.3
30°-40°	1340.2	26.0
40°-50°	867.9	16.8
50°-60°	322.7	6.3
60°-70°	105.9	2.1
70°-80°	37.4	0.7
80°-90°	6.7	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°	2473.7	48.0
0°-40°	3813.8	74.0
0°-60°	5004.4	97.1
0°-90°	5154.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5154.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3083	3083	3083	3083	3083	
5°	2968	3108	3148	3108	2968	280
15°	2799	3183	3262	3183	2799	787
25°	2505	2950	3051	2950	2505	1148
35°	1945	2232	2293	2232	1945	1208
45°	1195	1084	1091	1084	1195	924
55°	564	244	219	244	564	514
65°	219	50	36	50	219	223
75°	72	18	11	18	72	79
85°	11	4	4	4	11	14
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°	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9
2.5°	3004.0	3047.0	3018.2	3036.2	3007.5	3007.5	3065.0	3032.6	3057.8	3032.6	3007.5
5°	2968.0	3021.9	2986.0	3004.0	2978.9	2982.4	3036.2	3011.1	3036.2	3018.2	2996.8
7.5°	2925.0	2978.9	2946.5	2964.5	2939.4	2946.5	3004.0	2978.9	3007.5	2989.6	2975.2
10°	2867.5	2925.0	2896.2	2914.2	2892.6	2896.2	2953.8	2935.8	2960.9	2950.1	2939.4
12.5°	2831.6	2885.5	2853.2	2871.1	2856.8	2864.0	2917.8	2903.5	2935.8	2925.0	2917.8
15°	2799.4	2849.6	2820.9	2838.9	2828.1	2831.6	2889.1	2874.8	2910.6	2903.5	2899.9
17.5°	2745.5	2799.4	2767.1	2788.6	2777.9	2781.4	2838.9	2828.1	2864.0	2864.0	2860.4
20°	2673.8	2727.6	2702.5	2716.9	2709.6	2716.9	2767.1	2759.9	2795.8	2795.8	2795.8
22.5°	2594.8	2648.6	2619.9	2634.2	2627.1	2637.9	2684.5	2684.5	2713.2	2716.9	2720.4
25°	2505.1	2558.9	2530.2	2548.1	2541.0	2548.1	2591.2	2594.8	2619.9	2619.9	2627.1
27.5°	2397.4	2451.2	2422.5	2436.9	2433.2	2436.9	2483.5	2490.8	2505.1	2508.6	2515.9
30°	2268.2	2318.5	2289.8	2304.1	2304.1	2304.1	2350.8	2354.4	2368.8	2372.2	2379.5
32.5°	2117.5	2160.5	2139.0	2153.4	2149.8	2157.0	2189.2	2203.6	2221.5	2218.0	2221.5
35°	1945.2	1991.9	1970.4	1981.1	1984.6	1995.5	2017.0	2034.9	2038.5	2042.1	2049.2
37.5°	1758.6	1805.2	1783.8	1794.5	1798.0	1819.6	1826.8	1844.8	1851.9	1851.9	1851.9
40°	1579.1	1600.6	1582.8	1593.5	1597.1	1615.0	1622.2	1636.5	1643.8	1640.1	1636.5
42.5°	1385.4	1403.2	1385.4	1396.1	1396.1	1410.5	1414.0	1432.0	1432.0	1424.8	1414.0
45°	1195.1	1213.0	1195.1	1202.2	1202.2	1216.6	1216.6	1216.6	1223.9	1213.0	1195.1
47.5°	1015.6	1033.6	1015.6	1022.9	1019.2	1030.0	1026.4	1030.0	1019.2	1012.1	990.5
50°	854.1	861.4	854.1	850.6	854.1	861.4	857.8	857.8	843.4	832.6	807.5
52.5°	696.2	707.0	696.2	696.2	696.2	703.4	703.4	699.9	685.5	671.1	646.0
55°	563.5	570.6	567.0	563.5	563.5	570.6	563.5	563.5	549.1	538.4	513.2
57.5°	448.6	452.2	448.6	448.6	448.6	452.2	452.2	445.0	434.2	423.5	405.5
60°	348.1	351.8	351.8	348.1	348.1	355.2	355.2	351.8	341.0	333.8	315.9
62.5°	276.4	276.4	276.4	276.4	276.4	279.9	279.9	279.9	272.8	265.6	251.2
65°	218.9	222.5	218.9	218.9	222.5	226.1	222.5	226.1	218.9	215.4	204.6
67.5°	168.6	172.2	168.6	172.2	172.2	175.9	172.2	175.9	168.6	165.1	157.9
70°	129.2	129.2	129.2	129.2	129.2	132.8	129.2	132.8	129.2	125.6	118.4
72.5°	96.9	96.9	100.5	100.5	96.9	100.5	96.9	96.9	96.9	93.2	89.8
75°	71.8	71.8	75.4	71.8	71.8	71.8	71.8	71.8	68.2	68.2	64.6
77.5°	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	46.6	46.6	43.1
80°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	28.8	28.8
82.5°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	18.0
85°	10.8	10.8	10.8	14.4	10.8	10.8	10.8	10.8	10.8	10.8	10.8
87.5°	3.6	3.6	3.6	7.1	3.6	3.6	7.1	7.1	3.6	3.6	3.6
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°	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9
2.5°	3036.2	3047.0	3047.0	3036.2	3061.4	3039.9	3082.9	3043.4	3054.1	3090.1	3086.5
5°	3025.5	3039.9	3043.4	3036.2	3068.5	3050.6	3093.6	3054.1	3072.1	3108.0	3108.0
7.5°	3011.1	3029.0	3036.2	3043.4	3072.1	3054.1	3104.4	3065.0	3090.1	3133.1	3129.5
10°	2978.9	3004.0	3018.2	3029.0	3057.8	3047.0	3100.9	3068.5	3090.1	3140.4	3136.8
12.5°	2960.9	2989.6	3011.1	3029.0	3061.4	3054.1	3108.0	3079.2	3108.0	3158.2	3158.2
15°	2946.5	2978.9	3004.0	3036.2	3068.5	3061.4	3118.8	3093.6	3122.4	3183.4	3179.8
17.5°	2910.6	2950.1	2975.2	3011.1	3043.4	3039.9	3100.9	3082.9	3115.2	3172.6	3176.2
20°	2849.6	2885.5	2914.2	2957.2	2993.1	2986.0	3050.6	3032.6	3065.0	3126.0	3129.5
22.5°	2770.6	2806.5	2835.2	2881.9	2914.2	2910.6	2975.2	2957.2	2989.6	3047.0	3050.6
25°	2677.4	2709.6	2738.4	2781.4	2817.4	2817.4	2874.8	2856.8	2892.6	2950.1	2950.1
27.5°	2562.5	2591.2	2616.4	2666.6	2695.2	2695.2	2749.1	2731.1	2767.1	2817.4	2813.8
30°	2422.5	2447.6	2469.2	2512.2	2537.4	2541.0	2587.6	2569.6	2605.6	2648.6	2648.6
32.5°	2253.9	2279.0	2293.4	2347.1	2365.1	2361.5	2397.4	2379.5	2415.4	2462.0	2451.2
35°	2074.4	2085.1	2096.0	2149.8	2157.0	2142.6	2178.5	2160.5	2185.6	2232.4	2225.1
37.5°	1869.9	1873.4	1873.4	1920.1	1923.6	1912.9	1934.4	1912.9	1930.9	1973.9	1970.4
40°	1643.8	1640.1	1636.5	1672.5	1668.9	1647.4	1661.6	1643.8	1668.9	1701.1	1683.2
42.5°	1414.0	1403.2	1388.9	1406.9	1392.5	1374.5	1381.8	1353.0	1371.0	1396.1	1374.5
45°	1188.0	1166.4	1137.8	1141.2	1123.4	1101.8	1091.0	1062.4	1058.8	1083.9	1065.9
47.5°	976.2	933.1	908.0	893.6	864.9	847.0	825.5	793.1	778.8	793.1	775.2
50°	786.0	742.9	710.6	678.2	649.6	628.1	592.1	570.6	549.1	552.8	538.4
52.5°	620.9	592.1	538.4	513.2	484.5	459.4	427.1	402.0	376.9	376.9	362.5
55°	491.6	452.2	416.4	380.4	351.8	330.1	297.9	272.8	247.6	244.0	229.8
57.5°	380.4	351.8	312.2	276.4	258.4	236.9	204.6	175.9	161.5	150.8	140.0
60°	294.2	265.6	233.2	204.6	183.0	168.6	136.4	114.9	100.5	93.2	82.5
62.5°	236.9	211.8	183.0	154.4	140.0	125.6	100.5	82.5	68.2	61.0	53.9
65°	190.2	168.6	147.1	125.6	114.9	100.5	82.5	68.2	57.4	50.2	43.1
67.5°	147.1	132.8	114.9	100.5	89.8	79.0	64.6	53.9	46.6	39.5	35.9
70°	111.2	100.5	89.8	75.4	68.2	61.0	50.2	39.5	35.9	32.2	28.8
72.5°	86.1	75.4	64.6	57.4	50.2	46.6	39.5	32.2	28.8	25.1	21.5
75°	57.4	53.9	46.6	39.5	35.9	32.2	28.8	25.1	21.5	18.0	18.0
77.5°	39.5	35.9	32.2	28.8	25.1	25.1	21.5	18.0	14.4	14.4	10.8
80°	25.1	21.5	21.5	18.0	18.0	18.0	14.4	10.8	10.8	10.8	7.1
82.5°	18.0	14.4	14.4	10.8	10.8	10.8	10.8	7.1	7.1	7.1	3.6
85°	10.8	7.1	7.1	7.1	7.1	7.1	7.1	3.6	3.6	3.6	3.6
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	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°	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9
2.5°	3057.8	3090.1	3090.1	3118.8	3122.4	3115.2	3082.9	3082.9	3126.0	3151.1	3108.0
5°	3086.5	3118.8	3118.8	3147.5	3161.9	3151.1	3118.8	3122.4	3165.5	3194.1	3151.1
7.5°	3111.6	3143.9	3151.1	3183.4	3194.1	3183.4	3151.1	3158.2	3204.9	3230.0	3187.0
10°	3122.4	3154.6	3158.2	3194.1	3208.5	3194.1	3169.0	3172.6	3222.9	3240.8	3201.4
12.5°	3147.5	3179.8	3179.8	3219.2	3233.6	3222.9	3190.6	3197.8	3248.0	3265.9	3226.5
15°	3172.6	3204.9	3204.9	3248.0	3265.9	3251.6	3226.5	3230.0	3280.2	3298.2	3265.9
17.5°	3172.6	3201.4	3201.4	3248.0	3265.9	3255.1	3226.5	3230.0	3283.9	3298.2	3265.9
20°	3126.0	3158.2	3151.1	3197.8	3215.6	3204.9	3179.8	3179.8	3233.6	3248.0	3215.6
22.5°	3050.6	3079.2	3072.1	3115.2	3136.8	3122.4	3100.9	3097.2	3151.1	3165.5	3133.1
25°	2946.5	2975.2	2968.0	3011.1	3032.6	3014.8	2989.6	2993.1	3036.2	3057.8	3029.0
27.5°	2824.5	2842.4	2831.6	2874.8	2896.2	2878.4	2853.2	2856.8	2899.9	2914.2	2892.6
30°	2659.4	2673.8	2663.0	2698.9	2713.2	2702.5	2680.9	2680.9	2720.4	2738.4	2716.9
32.5°	2462.0	2472.8	2462.0	2490.8	2519.4	2497.9	2476.4	2476.4	2519.4	2533.8	2508.6
35°	2232.4	2243.1	2235.9	2264.6	2286.1	2257.5	2239.5	2232.4	2289.8	2282.6	2268.2
37.5°	1977.5	1984.6	1963.1	2013.4	2024.1	1991.9	1977.5	1970.4	2020.6	2017.0	2002.6
40°	1690.4	1697.6	1683.2	1719.1	1722.8	1697.6	1686.8	1676.0	1726.2	1722.8	1711.9
42.5°	1385.4	1388.9	1371.0	1399.6	1406.9	1381.8	1378.1	1363.8	1410.5	1403.2	1399.6
45°	1069.5	1069.5	1055.1	1076.6	1083.9	1062.4	1055.1	1051.5	1083.9	1083.9	1076.6
47.5°	775.2	764.5	746.5	778.8	782.4	768.0	764.5	753.6	786.0	786.0	778.8
50°	531.1	527.6	524.0	531.1	534.8	516.8	527.6	516.8	534.8	534.8	534.8
52.5°	355.2	351.8	344.5	351.8	351.8	341.0	341.0	337.4	351.8	351.8	344.5
55°	222.5	218.9	215.4	218.9	218.9	208.1	215.4	208.1	215.4	215.4	211.8
57.5°	136.4	129.2	129.2	125.6	125.6	118.4	122.0	122.0	122.0	122.0	122.0
60°	79.0	75.4	71.8	71.8	71.8	68.2	68.2	68.2	68.2	68.2	68.2
62.5°	50.2	50.2	46.6	46.6	46.6	46.6	46.6	43.1	46.6	46.6	46.6
65°	43.1	39.5	39.5	39.5	39.5	35.9	35.9	35.9	35.9	35.9	35.9
67.5°	35.9	32.2	32.2	32.2	32.2	28.8	28.8	28.8	28.8	28.8	28.8
70°	28.8	25.1	25.1	25.1	25.1	25.1	21.5	25.1	25.1	21.5	21.5
72.5°	21.5	21.5	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
75°	14.4	14.4	14.4	14.4	14.4	10.8	10.8	10.8	10.8	10.8	10.8
77.5°	10.8	10.8	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.1	7.1	7.1	7.1	7.1	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	3.6	3.6	3.6	3.6	3.6	0.0	3.6	0.0	3.6	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: P212853

CATALOG NUMBER: LE_6B60D010R EC6B60709024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9
2.5°	3158.2	3122.4	3104.4	3140.4	3154.6	3136.8	3122.4	3097.2	3122.4	3136.8	3154.6
5°	3201.4	3169.0	3154.6	3179.8	3201.4	3183.4	3172.6	3147.5	3172.6	3183.4	3201.4
7.5°	3240.8	3208.5	3190.6	3215.6	3240.8	3215.6	3204.9	3183.4	3204.9	3215.6	3240.8
10°	3255.1	3219.2	3204.9	3226.5	3251.6	3226.5	3212.1	3197.8	3212.1	3226.5	3251.6
12.5°	3280.2	3244.4	3226.5	3244.4	3269.5	3244.4	3230.0	3219.2	3230.0	3244.4	3269.5
15°	3316.1	3283.9	3262.4	3280.2	3312.6	3283.9	3265.9	3262.4	3265.9	3283.9	3312.6
17.5°	3316.1	3291.0	3269.5	3283.9	3316.1	3294.6	3269.5	3276.8	3269.5	3294.6	3316.1
20°	3269.5	3244.4	3226.5	3226.5	3273.1	3244.4	3222.9	3233.6	3222.9	3244.4	3273.1
22.5°	3187.0	3165.5	3147.5	3143.9	3190.6	3165.5	3136.8	3158.2	3136.8	3165.5	3190.6
25°	3079.2	3057.8	3043.4	3036.2	3082.9	3054.1	3029.0	3050.6	3029.0	3054.1	3082.9
27.5°	2939.4	2921.4	2907.0	2896.2	2939.4	2914.2	2889.1	2910.6	2889.1	2914.2	2939.4
30°	2759.9	2749.1	2734.8	2720.4	2763.5	2738.4	2713.2	2742.0	2713.2	2738.4	2763.5
32.5°	2551.8	2544.5	2526.6	2512.2	2555.4	2526.6	2508.6	2530.2	2508.6	2526.6	2555.4
35°	2311.2	2300.5	2289.8	2264.6	2311.2	2286.1	2286.1	2293.4	2286.1	2286.1	2311.2
37.5°	2042.1	2034.9	2020.6	1999.0	2038.5	2020.6	2013.4	2034.9	2013.4	2020.6	2038.5
40°	1740.6	1737.0	1726.2	1701.1	1744.2	1726.2	1715.5	1744.2	1715.5	1726.2	1744.2
42.5°	1424.8	1417.6	1406.9	1403.2	1424.8	1410.5	1421.2	1421.2	1421.2	1410.5	1424.8
45°	1098.2	1091.0	1083.9	1069.5	1094.6	1087.5	1083.9	1091.0	1083.9	1087.5	1094.6
47.5°	796.8	789.6	782.4	771.6	796.8	786.0	786.0	793.1	786.0	786.0	796.8
50°	534.8	538.4	534.8	527.6	534.8	531.1	534.8	541.9	534.8	531.1	534.8
52.5°	355.2	355.2	348.1	344.5	351.8	348.1	358.9	351.8	358.9	348.1	351.8
55°	215.4	218.9	215.4	211.8	215.4	211.8	222.5	218.9	222.5	211.8	215.4
57.5°	122.0	122.0	125.6	122.0	129.2	125.6	125.6	125.6	125.6	125.6	129.2
60°	68.2	68.2	68.2	68.2	68.2	68.2	71.8	68.2	71.8	68.2	68.2
62.5°	46.6	46.6	46.6	43.1	46.6	43.1	46.6	46.6	46.6	43.1	46.6
65°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
67.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
70°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
72.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
75°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	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: P212853

CATALOG NUMBER: LE_6B60D010R EC6B60709024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9
2.5°	3140.4	3104.4	3122.4	3158.2	3108.0	3151.1	3126.0	3082.9	3082.9	3115.2	3122.4
5°	3179.8	3154.6	3169.0	3201.4	3151.1	3194.1	3165.5	3122.4	3118.8	3151.1	3161.9
7.5°	3215.6	3190.6	3208.5	3240.8	3187.0	3230.0	3204.9	3158.2	3151.1	3183.4	3194.1
10°	3226.5	3204.9	3219.2	3255.1	3201.4	3240.8	3222.9	3172.6	3169.0	3194.1	3208.5
12.5°	3244.4	3226.5	3244.4	3280.2	3226.5	3265.9	3248.0	3197.8	3190.6	3222.9	3233.6
15°	3280.2	3262.4	3283.9	3316.1	3265.9	3298.2	3280.2	3230.0	3226.5	3251.6	3265.9
17.5°	3283.9	3269.5	3291.0	3316.1	3265.9	3298.2	3283.9	3230.0	3226.5	3255.1	3265.9
20°	3226.5	3226.5	3244.4	3269.5	3215.6	3248.0	3233.6	3179.8	3179.8	3204.9	3215.6
22.5°	3143.9	3147.5	3165.5	3187.0	3133.1	3165.5	3151.1	3097.2	3100.9	3122.4	3136.8
25°	3036.2	3043.4	3057.8	3079.2	3029.0	3057.8	3036.2	2993.1	2989.6	3014.8	3032.6
27.5°	2896.2	2907.0	2921.4	2939.4	2892.6	2914.2	2899.9	2856.8	2853.2	2878.4	2896.2
30°	2720.4	2734.8	2749.1	2759.9	2716.9	2738.4	2720.4	2680.9	2680.9	2702.5	2713.2
32.5°	2512.2	2526.6	2544.5	2551.8	2508.6	2533.8	2519.4	2476.4	2476.4	2497.9	2519.4
35°	2264.6	2289.8	2300.5	2311.2	2268.2	2282.6	2289.8	2232.4	2239.5	2257.5	2286.1
37.5°	1999.0	2020.6	2034.9	2042.1	2002.6	2017.0	2020.6	1970.4	1977.5	1991.9	2024.1
40°	1701.1	1726.2	1737.0	1740.6	1711.9	1722.8	1726.2	1676.0	1686.8	1697.6	1722.8
42.5°	1403.2	1406.9	1417.6	1424.8	1399.6	1403.2	1410.5	1363.8	1378.1	1381.8	1406.9
45°	1069.5	1083.9	1091.0	1098.2	1076.6	1083.9	1083.9	1051.5	1055.1	1062.4	1083.9
47.5°	771.6	782.4	789.6	796.8	778.8	786.0	786.0	753.6	764.5	768.0	782.4
50°	527.6	534.8	538.4	534.8	534.8	534.8	534.8	516.8	527.6	516.8	534.8
52.5°	344.5	348.1	355.2	355.2	344.5	351.8	351.8	337.4	341.0	341.0	351.8
55°	211.8	215.4	218.9	215.4	211.8	215.4	215.4	208.1	215.4	208.1	218.9
57.5°	122.0	125.6	122.0	122.0	122.0	122.0	122.0	122.0	122.0	118.4	125.6
60°	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	71.8
62.5°	43.1	46.6	46.6	46.6	46.6	46.6	46.6	43.1	46.6	46.6	46.6
65°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	39.5
67.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	32.2
70°	21.5	21.5	21.5	21.5	21.5	21.5	25.1	25.1	21.5	25.1	25.1
72.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
75°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	14.4
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.1
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	0.0	3.6
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: P212853

CATALOG NUMBER: LE_6B60D010R EC6B60709024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9
2.5°	3118.8	3090.1	3090.1	3057.8	3086.5	3090.1	3054.1	3043.4	3082.9	3039.9	3061.4
5°	3147.5	3118.8	3118.8	3086.5	3108.0	3108.0	3072.1	3054.1	3093.6	3050.6	3068.5
7.5°	3183.4	3151.1	3143.9	3111.6	3129.5	3133.1	3090.1	3065.0	3104.4	3054.1	3072.1
10°	3194.1	3158.2	3154.6	3122.4	3136.8	3140.4	3090.1	3068.5	3100.9	3047.0	3057.8
12.5°	3219.2	3179.8	3179.8	3147.5	3158.2	3158.2	3108.0	3079.2	3108.0	3054.1	3061.4
15°	3248.0	3204.9	3204.9	3172.6	3179.8	3183.4	3122.4	3093.6	3118.8	3061.4	3068.5
17.5°	3248.0	3201.4	3201.4	3172.6	3176.2	3172.6	3115.2	3082.9	3100.9	3039.9	3043.4
20°	3197.8	3151.1	3158.2	3126.0	3129.5	3126.0	3065.0	3032.6	3050.6	2986.0	2993.1
22.5°	3115.2	3072.1	3079.2	3050.6	3050.6	3047.0	2989.6	2957.2	2975.2	2910.6	2914.2
25°	3011.1	2968.0	2975.2	2946.5	2950.1	2950.1	2892.6	2856.8	2874.8	2817.4	2817.4
27.5°	2874.8	2831.6	2842.4	2824.5	2813.8	2817.4	2767.1	2731.1	2749.1	2695.2	2695.2
30°	2698.9	2663.0	2673.8	2659.4	2648.6	2648.6	2605.6	2569.6	2587.6	2541.0	2537.4
32.5°	2490.8	2462.0	2472.8	2462.0	2451.2	2462.0	2415.4	2379.5	2397.4	2361.5	2365.1
35°	2264.6	2235.9	2243.1	2232.4	2225.1	2232.4	2185.6	2160.5	2178.5	2142.6	2157.0
37.5°	2013.4	1963.1	1984.6	1977.5	1970.4	1973.9	1930.9	1912.9	1934.4	1912.9	1923.6
40°	1719.1	1683.2	1697.6	1690.4	1683.2	1701.1	1668.9	1643.8	1661.6	1647.4	1668.9
42.5°	1399.6	1371.0	1388.9	1385.4	1374.5	1396.1	1371.0	1353.0	1381.8	1374.5	1392.5
45°	1076.6	1055.1	1069.5	1069.5	1065.9	1083.9	1058.8	1062.4	1091.0	1101.8	1123.4
47.5°	778.8	746.5	764.5	775.2	775.2	793.1	778.8	793.1	825.5	847.0	864.9
50°	531.1	524.0	527.6	531.1	538.4	552.8	549.1	570.6	592.1	628.1	649.6
52.5°	351.8	344.5	351.8	355.2	362.5	376.9	376.9	402.0	427.1	459.4	484.5
55°	218.9	215.4	218.9	222.5	229.8	244.0	247.6	272.8	297.9	330.1	351.8
57.5°	125.6	129.2	129.2	136.4	140.0	150.8	161.5	175.9	204.6	236.9	258.4
60°	71.8	71.8	75.4	79.0	82.5	93.2	100.5	114.9	136.4	168.6	183.0
62.5°	46.6	46.6	50.2	50.2	53.9	61.0	68.2	82.5	100.5	125.6	140.0
65°	39.5	39.5	39.5	43.1	43.1	50.2	57.4	68.2	82.5	100.5	114.9
67.5°	32.2	32.2	32.2	35.9	35.9	39.5	46.6	53.9	64.6	79.0	89.8
70°	25.1	25.1	25.1	28.8	28.8	32.2	35.9	39.5	50.2	61.0	68.2
72.5°	18.0	18.0	21.5	21.5	21.5	25.1	28.8	32.2	39.5	46.6	50.2
75°	14.4	14.4	14.4	14.4	18.0	18.0	21.5	25.1	28.8	32.2	35.9
77.5°	7.1	7.1	10.8	10.8	10.8	14.4	14.4	18.0	21.5	25.1	25.1
80°	7.1	7.1	7.1	7.1	7.1	10.8	10.8	10.8	14.4	18.0	18.0
82.5°	3.6	3.6	3.6	3.6	3.6	7.1	7.1	7.1	10.8	10.8	10.8
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.1	7.1	7.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
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: P212853

CATALOG NUMBER: LE_6B60D010R EC6B60709024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9	3082.9
2.5°	3036.2	3047.0	3047.0	3036.2	3007.5	3032.6	3057.8	3032.6	3065.0	3007.5	3007.5
5°	3036.2	3043.4	3039.9	3025.5	2996.8	3018.2	3036.2	3011.1	3036.2	2982.4	2978.9
7.5°	3043.4	3036.2	3029.0	3011.1	2975.2	2989.6	3007.5	2978.9	3004.0	2946.5	2939.4
10°	3029.0	3018.2	3004.0	2978.9	2939.4	2950.1	2960.9	2935.8	2953.8	2896.2	2892.6
12.5°	3029.0	3011.1	2989.6	2960.9	2917.8	2925.0	2935.8	2903.5	2917.8	2864.0	2856.8
15°	3036.2	3004.0	2978.9	2946.5	2899.9	2903.5	2910.6	2874.8	2889.1	2831.6	2828.1
17.5°	3011.1	2975.2	2950.1	2910.6	2860.4	2864.0	2864.0	2828.1	2838.9	2781.4	2777.9
20°	2957.2	2914.2	2885.5	2849.6	2795.8	2795.8	2795.8	2759.9	2767.1	2716.9	2709.6
22.5°	2881.9	2835.2	2806.5	2770.6	2720.4	2716.9	2713.2	2684.5	2684.5	2637.9	2627.1
25°	2781.4	2738.4	2709.6	2677.4	2627.1	2619.9	2619.9	2594.8	2591.2	2548.1	2541.0
27.5°	2666.6	2616.4	2591.2	2562.5	2515.9	2508.6	2505.1	2490.8	2483.5	2436.9	2433.2
30°	2512.2	2469.2	2447.6	2422.5	2379.5	2372.2	2368.8	2354.4	2350.8	2304.1	2304.1
32.5°	2347.1	2293.4	2279.0	2253.9	2221.5	2218.0	2221.5	2203.6	2189.2	2157.0	2149.8
35°	2149.8	2096.0	2085.1	2074.4	2049.2	2042.1	2038.5	2034.9	2017.0	1995.5	1984.6
37.5°	1920.1	1873.4	1873.4	1869.9	1851.9	1851.9	1851.9	1844.8	1826.8	1819.6	1798.0
40°	1672.5	1636.5	1640.1	1643.8	1636.5	1640.1	1643.8	1636.5	1622.2	1615.0	1597.1
42.5°	1406.9	1388.9	1403.2	1414.0	1414.0	1424.8	1432.0	1432.0	1414.0	1410.5	1396.1
45°	1141.2	1137.8	1166.4	1188.0	1195.1	1213.0	1223.9	1216.6	1216.6	1216.6	1202.2
47.5°	893.6	908.0	933.1	976.2	990.5	1012.1	1019.2	1030.0	1026.4	1030.0	1019.2
50°	678.2	710.6	742.9	786.0	807.5	832.6	843.4	857.8	857.8	861.4	854.1
52.5°	513.2	538.4	592.1	620.9	646.0	671.1	685.5	699.9	703.4	703.4	696.2
55°	380.4	416.4	452.2	491.6	513.2	538.4	549.1	563.5	563.5	570.6	563.5
57.5°	276.4	312.2	351.8	380.4	405.5	423.5	434.2	445.0	452.2	452.2	448.6
60°	204.6	233.2	265.6	294.2	315.9	333.8	341.0	351.8	355.2	355.2	348.1
62.5°	154.4	183.0	211.8	236.9	251.2	265.6	272.8	279.9	279.9	279.9	276.4
65°	125.6	147.1	168.6	190.2	204.6	215.4	218.9	226.1	222.5	226.1	222.5
67.5°	100.5	114.9	132.8	147.1	157.9	165.1	168.6	175.9	172.2	175.9	172.2
70°	75.4	89.8	100.5	111.2	118.4	125.6	129.2	132.8	129.2	132.8	129.2
72.5°	57.4	64.6	75.4	86.1	89.8	93.2	96.9	96.9	96.9	100.5	96.9
75°	39.5	46.6	53.9	57.4	64.6	68.2	68.2	71.8	71.8	71.8	71.8
77.5°	28.8	32.2	35.9	39.5	43.1	46.6	46.6	50.2	50.2	50.2	50.2
80°	18.0	21.5	21.5	25.1	28.8	28.8	32.2	32.2	32.2	32.2	32.2
82.5°	10.8	14.4	14.4	18.0	18.0	18.0	21.5	21.5	21.5	21.5	21.5
85°	7.1	7.1	7.1	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.1	7.1	3.6	3.6
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: P212853

CATALOG NUMBER: LE_6B60D010R EC6B60709024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3082.9	3082.9	3082.9	3082.9
2.5°	3036.2	3018.2	3047.0	3004.0
5°	3004.0	2986.0	3021.9	2968.0
7.5°	2964.5	2946.5	2978.9	2925.0
10°	2914.2	2896.2	2925.0	2867.5
12.5°	2871.1	2853.2	2885.5	2831.6
15°	2838.9	2820.9	2849.6	2799.4
17.5°	2788.6	2767.1	2799.4	2745.5
20°	2716.9	2702.5	2727.6	2673.8
22.5°	2634.2	2619.9	2648.6	2594.8
25°	2548.1	2530.2	2558.9	2505.1
27.5°	2436.9	2422.5	2451.2	2397.4
30°	2304.1	2289.8	2318.5	2268.2
32.5°	2153.4	2139.0	2160.5	2117.5
35°	1981.1	1970.4	1991.9	1945.2
37.5°	1794.5	1783.8	1805.2	1758.6
40°	1593.5	1582.8	1600.6	1579.1
42.5°	1396.1	1385.4	1403.2	1385.4
45°	1202.2	1195.1	1213.0	1195.1
47.5°	1022.9	1015.6	1033.6	1015.6
50°	850.6	854.1	861.4	854.1
52.5°	696.2	696.2	707.0	696.2
55°	563.5	567.0	570.6	563.5
57.5°	448.6	448.6	452.2	448.6
60°	348.1	351.8	351.8	348.1
62.5°	276.4	276.4	276.4	276.4
65°	218.9	218.9	222.5	218.9
67.5°	172.2	168.6	172.2	168.6
70°	129.2	129.2	129.2	129.2
72.5°	100.5	100.5	96.9	96.9
75°	71.8	75.4	71.8	71.8
77.5°	50.2	50.2	50.2	50.2
80°	32.2	32.2	32.2	32.2
82.5°	21.5	21.5	21.5	21.5
85°	14.4	10.8	10.8	10.8
87.5°	7.1	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)