

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P684477

Luminaire Tested: **LX6C60D010 EX6C609050 6LCSWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252284)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C60D010 EX6C609050 6LCSWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

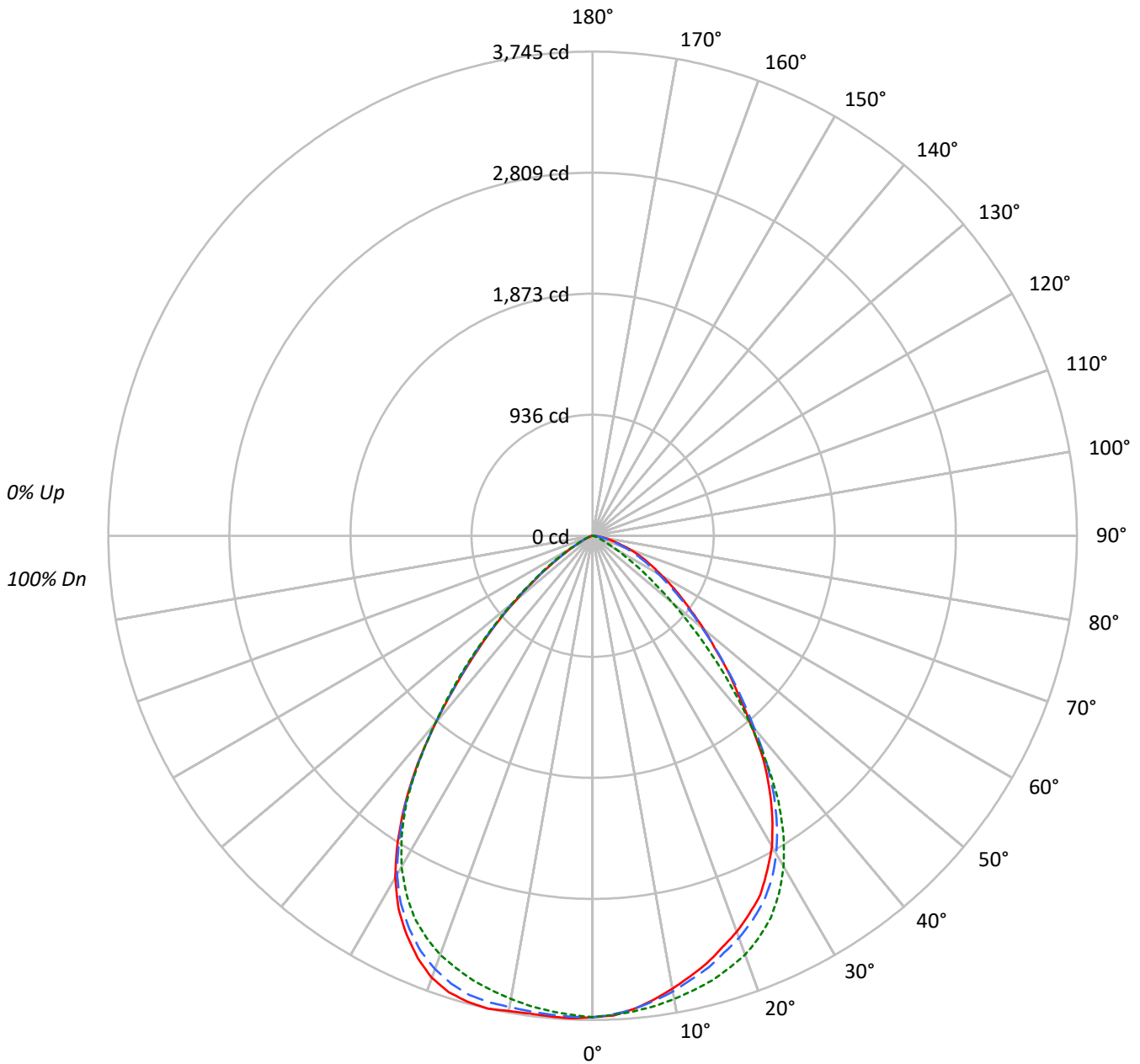
Lumens per Lamp: N/A
Luminaire Lumens: 6246.0 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V):
Input Current (A_{in}): 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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64			
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58			
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43			
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40			
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	204101	204101	204101
5°	202151	203136	205370
10°	197987	202485	207745
15°	194201	202107	211806
20°	190172	201186	212206
25°	185485	197177	205881
30°	175616	186997	193258
35°	159484	167609	169115
40°	136112	135461	134817
45°	114337	101437	98305
50°	95494	68637	65192
55°	80370	42111	38250
60°	68032	22191	19220
65°	58917	11674	9327
70°	48999	7213	5033
75°	36198	4766	2859
80°	28413	2841	1452
85°	22644	2893	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.9	5.6
10°-20°	1004.6	16.1
20°-30°	1483.5	23.8
30°-40°	1528.9	24.5
40°-50°	1056.0	16.9
50°-60°	520.5	8.3
60°-70°	210.9	3.4
70°-80°	75.2	1.2
80°-90°	15.6	0.2
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°	2839.0	45.5
0°-40°	4367.9	69.9
0°-60°	5944.4	95.2
0°-90°	6246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6246.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3723	3723	3723	3723	3723	
5°	3674	3674	3691	3718	3732	347
15°	3422	3458	3561	3678	3732	963
25°	3066	3125	3260	3354	3404	1402
35°	2383	2442	2504	2518	2527	1477
45°	1475	1484	1308	1290	1268	1140
55°	841	809	441	414	400	760
65°	454	409	90	72	72	451
75°	171	144	22	14	14	192
85°	36	27	5	0	0	44
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°	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1
2.5°	3713.9	3700.6	3709.5	3691.4	3713.9	3691.4	3696.0	3700.6	3696.0	3700.6	3705.0
5°	3673.5	3660.0	3673.5	3651.0	3673.5	3660.0	3660.0	3664.6	3664.6	3669.0	3673.5
7.5°	3619.6	3606.1	3619.6	3597.1	3624.0	3610.6	3610.6	3619.6	3615.0	3619.6	3628.6
10°	3556.7	3538.6	3552.1	3538.6	3565.7	3547.6	3556.7	3556.7	3556.7	3570.0	3579.2
12.5°	3489.2	3471.1	3489.2	3466.7	3493.6	3480.3	3484.7	3498.2	3502.6	3511.7	3516.1
15°	3421.8	3399.3	3408.2	3394.7	3421.8	3408.2	3412.8	3430.7	3430.7	3444.2	3457.8
17.5°	3336.4	3318.3	3336.4	3318.3	3340.8	3331.8	3340.8	3354.3	3354.3	3367.8	3381.2
20°	3259.8	3241.9	3255.4	3241.9	3268.9	3255.4	3259.8	3277.9	3282.3	3295.8	3309.3
22.5°	3165.4	3151.9	3160.9	3147.5	3174.4	3165.4	3170.0	3187.9	3192.5	3201.4	3223.9
25°	3066.5	3039.5	3053.0	3044.0	3071.1	3057.6	3066.5	3084.4	3093.6	3106.9	3125.0
27.5°	2922.6	2909.1	2918.1	2918.1	2940.5	2927.2	2931.6	2949.7	2963.0	2976.6	2999.0
30°	2774.3	2751.8	2760.8	2765.2	2783.3	2774.3	2783.3	2801.2	2805.8	2823.7	2841.6
32.5°	2585.5	2576.3	2594.4	2585.5	2594.4	2594.4	2598.8	2612.4	2621.3	2630.4	2652.9
35°	2383.1	2365.2	2383.1	2374.1	2396.6	2383.1	2396.6	2410.1	2410.1	2428.1	2441.6
37.5°	2162.8	2140.3	2149.2	2149.2	2158.2	2153.8	2153.8	2176.3	2180.7	2194.2	2207.7
40°	1902.0	1892.9	1911.0	1906.4	1911.0	1911.0	1915.4	1928.9	1937.9	1942.4	1947.0
42.5°	1668.2	1672.6	1677.1	1677.1	1677.1	1677.1	1677.1	1695.1	1690.7	1704.2	1708.6
45°	1474.8	1456.8	1465.8	1461.4	1474.8	1461.4	1474.8	1488.3	1479.3	1492.8	1483.7
47.5°	1276.9	1276.9	1276.9	1272.5	1281.5	1276.9	1285.9	1290.5	1290.5	1290.5	1285.9
50°	1119.7	1106.1	1110.5	1110.5	1115.1	1110.5	1119.7	1124.1	1124.1	1115.1	1097.2
52.5°	966.7	962.3	962.3	971.2	971.2	966.7	966.7	966.7	966.7	953.3	944.2
55°	840.9	831.9	836.3	836.3	836.3	836.3	840.9	836.3	836.3	822.8	809.4
57.5°	728.4	719.5	719.5	719.5	723.9	719.5	719.5	719.5	714.9	701.4	683.4
60°	620.5	616.0	620.5	620.5	624.9	620.5	620.5	620.5	611.6	598.1	580.0
62.5°	530.6	530.6	530.6	535.0	535.0	530.6	530.6	526.0	521.6	503.5	485.6
65°	454.2	449.6	454.2	454.2	458.6	458.6	454.2	449.6	445.2	427.1	409.2
67.5°	377.7	373.2	377.7	377.7	382.1	377.7	377.7	377.7	364.2	355.2	337.2
70°	305.7	301.3	301.3	301.3	305.7	296.7	301.3	301.3	292.3	278.8	260.7
72.5°	233.8	233.8	233.8	233.8	233.8	233.8	229.3	229.3	220.3	206.8	197.8
75°	170.9	170.9	175.3	175.3	170.9	170.9	170.9	166.4	161.8	152.9	143.9
77.5°	126.0	126.0	126.0	126.0	121.4	121.4	121.4	116.8	112.4	107.9	98.9
80°	90.0	90.0	90.0	85.4	90.0	85.4	85.4	85.4	76.4	71.9	67.5
82.5°	62.9	58.5	58.5	58.5	58.5	58.5	58.5	53.9	53.9	49.5	45.0
85°	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	31.4	27.1	27.1
87.5°	17.9	22.5	22.5	22.5	22.5	22.5	22.5	17.9	17.9	17.9	13.5
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°	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1
2.5°	3705.0	3705.0	3713.9	3700.6	3723.1	3709.5	3705.0	3727.5	3713.9	3709.5	3718.5
5°	3673.5	3678.1	3682.5	3673.5	3696.0	3682.5	3682.5	3705.0	3696.0	3691.4	3705.0
7.5°	3633.1	3637.5	3646.5	3642.1	3660.0	3651.0	3655.6	3678.1	3669.0	3669.0	3682.5
10°	3583.6	3592.5	3601.7	3601.7	3624.0	3615.0	3615.0	3642.1	3633.1	3637.5	3655.6
12.5°	3525.1	3538.6	3552.1	3556.7	3579.2	3565.7	3570.0	3601.7	3597.1	3601.7	3619.6
15°	3462.2	3480.3	3493.6	3493.6	3520.7	3507.1	3520.7	3552.1	3543.2	3561.1	3583.6
17.5°	3390.3	3408.2	3426.2	3430.7	3457.8	3448.6	3466.7	3498.2	3498.2	3507.1	3534.2
20°	3322.8	3345.3	3354.3	3367.8	3394.7	3390.3	3399.3	3435.3	3435.3	3448.6	3475.7
22.5°	3232.9	3255.4	3273.3	3286.8	3309.3	3309.3	3322.8	3354.3	3354.3	3363.3	3390.3
25°	3134.0	3160.9	3174.4	3187.9	3210.4	3205.8	3219.4	3246.4	3250.8	3259.8	3286.8
27.5°	3008.0	3030.5	3048.6	3057.6	3089.0	3071.1	3084.4	3116.1	3111.5	3120.5	3142.9
30°	2850.8	2873.3	2891.2	2891.2	2918.1	2918.1	2931.6	2945.1	2945.1	2954.1	2972.2
32.5°	2666.3	2693.3	2693.3	2706.9	2724.8	2706.9	2724.8	2742.7	2733.8	2747.3	2760.8
35°	2454.9	2468.5	2473.0	2473.0	2486.6	2482.0	2477.4	2491.0	2482.0	2504.5	2518.0
37.5°	2198.8	2216.7	2207.7	2216.7	2212.1	2198.8	2198.8	2221.3	2203.2	2207.7	2221.3
40°	1951.4	1951.4	1947.0	1924.5	1928.9	1915.4	1911.0	1915.4	1897.5	1892.9	1911.0
42.5°	1695.1	1690.7	1677.1	1645.7	1650.1	1627.6	1609.7	1609.7	1600.7	1596.2	1600.7
45°	1465.8	1452.3	1429.8	1393.9	1384.8	1366.9	1330.9	1321.9	1308.4	1308.4	1312.9
47.5°	1254.4	1236.5	1200.5	1160.1	1137.6	1115.1	1079.1	1065.6	1043.1	1034.1	1043.1
50°	1079.1	1047.6	1002.7	944.2	921.7	894.8	858.8	836.3	813.8	804.8	800.3
52.5°	917.3	872.3	827.3	755.5	737.4	710.5	661.0	638.5	616.0	598.1	598.1
55°	777.8	737.4	674.5	607.0	580.0	553.1	503.5	472.1	449.6	440.6	431.7
57.5°	652.0	607.0	548.5	476.6	449.6	422.7	373.2	341.7	319.2	305.7	296.7
60°	548.5	499.1	440.6	377.7	346.3	319.2	269.9	238.2	215.8	202.4	193.3
62.5°	449.6	409.2	350.7	292.3	265.3	238.2	197.8	166.4	143.9	134.9	121.4
65°	377.7	337.2	283.2	233.8	211.4	184.3	148.5	121.4	103.5	90.0	81.0
67.5°	305.7	274.3	229.3	184.3	161.8	143.9	112.4	90.0	71.9	62.9	58.5
70°	242.8	211.4	175.3	139.3	126.0	107.9	85.4	62.9	53.9	45.0	40.4
72.5°	179.9	157.4	130.4	103.5	90.0	81.0	58.5	49.5	36.0	31.4	27.1
75°	130.4	112.4	94.3	71.9	62.9	58.5	45.0	31.4	27.1	22.5	17.9
77.5°	90.0	81.0	62.9	49.5	45.0	40.4	31.4	22.5	17.9	13.5	13.5
80°	58.5	49.5	40.4	31.4	31.4	27.1	17.9	13.5	13.5	9.0	9.0
82.5°	36.0	31.4	27.1	22.5	17.9	17.9	13.5	9.0	9.0	4.6	4.6
85°	22.5	17.9	13.5	13.5	9.0	9.0	9.0	4.6	4.6	4.6	4.6
87.5°	9.0	9.0	9.0	4.6	4.6	4.6	4.6	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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1
2.5°	3718.5	3718.5	3727.5	3713.9	3723.1	3723.1	3732.0	3713.9	3723.1	3727.5	3736.4
5°	3700.6	3705.0	3713.9	3709.5	3713.9	3713.9	3723.1	3700.6	3718.5	3718.5	3732.0
7.5°	3682.5	3682.5	3691.4	3687.1	3696.0	3700.6	3709.5	3691.4	3709.5	3709.5	3723.1
10°	3660.0	3660.0	3673.5	3669.0	3682.5	3687.1	3700.6	3682.5	3700.6	3705.0	3718.5
12.5°	3628.6	3633.1	3646.5	3646.5	3660.0	3669.0	3682.5	3673.5	3696.0	3700.6	3718.5
15°	3592.5	3601.7	3619.6	3615.0	3628.6	3642.1	3660.0	3646.5	3678.1	3687.1	3705.0
17.5°	3547.6	3556.7	3570.0	3570.0	3583.6	3592.5	3615.0	3606.1	3633.1	3637.5	3660.0
20°	3480.3	3493.6	3511.7	3507.1	3520.7	3529.6	3547.6	3538.6	3565.7	3574.6	3597.1
22.5°	3399.3	3408.2	3421.8	3421.8	3435.3	3444.2	3462.2	3448.6	3475.7	3480.3	3498.2
25°	3291.4	3300.4	3309.3	3313.9	3327.2	3331.8	3340.8	3331.8	3354.3	3358.9	3381.2
27.5°	3151.9	3156.5	3170.0	3170.0	3179.0	3183.4	3196.9	3179.0	3210.4	3210.4	3223.9
30°	2985.5	2981.1	2999.0	2990.1	2999.0	2999.0	3012.6	3003.6	3026.1	3017.1	3030.5
32.5°	2765.2	2774.3	2774.3	2765.2	2783.3	2778.7	2778.7	2769.8	2783.3	2787.7	2796.7
35°	2509.0	2522.4	2522.4	2527.0	2531.5	2518.0	2522.4	2495.5	2518.0	2522.4	2527.0
37.5°	2230.2	2216.7	2225.7	2212.1	2234.6	2207.7	2207.7	2189.8	2207.7	2207.7	2212.1
40°	1911.0	1906.4	1915.4	1906.4	1902.0	1897.5	1888.5	1875.0	1892.9	1883.9	1897.5
42.5°	1609.7	1605.1	1605.1	1596.2	1591.8	1591.8	1582.8	1573.7	1569.3	1569.3	1591.8
45°	1299.4	1308.4	1299.4	1295.0	1304.0	1295.0	1299.4	1281.5	1290.5	1281.5	1290.5
47.5°	1038.7	1043.1	1034.1	1025.2	1038.7	1025.2	1025.2	1011.6	1029.7	1029.7	1020.6
50°	804.8	800.3	791.3	800.3	795.9	795.9	795.9	782.4	791.3	777.8	786.9
52.5°	593.5	589.1	589.1	584.5	589.1	584.5	584.5	580.0	580.0	575.6	580.0
55°	431.7	427.1	418.1	418.1	418.1	422.7	418.1	413.7	413.7	409.2	413.7
57.5°	292.3	283.2	283.2	283.2	283.2	278.8	278.8	274.3	278.8	274.3	278.8
60°	188.9	188.9	179.9	179.9	179.9	179.9	179.9	175.3	179.9	179.9	179.9
62.5°	116.8	116.8	112.4	107.9	112.4	107.9	107.9	107.9	112.4	107.9	112.4
65°	76.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
67.5°	53.9	49.5	49.5	49.5	49.5	49.5	49.5	45.0	49.5	49.5	49.5
70°	36.0	36.0	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
72.5°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
75°	17.9	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
77.5°	13.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
80°	9.0	9.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
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: P684477

CATALOG NUMBER: LX6C60D010 EX6C609050 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1	3723.1
2.5°	3723.1	3727.5	3718.5	3723.1	3713.9	3723.1	3727.5	3736.4
5°	3713.9	3718.5	3709.5	3718.5	3709.5	3718.5	3723.1	3732.0
7.5°	3705.0	3713.9	3705.0	3713.9	3705.0	3713.9	3718.5	3727.5
10°	3705.0	3718.5	3709.5	3723.1	3709.5	3718.5	3727.5	3732.0
12.5°	3705.0	3718.5	3713.9	3723.1	3718.5	3727.5	3736.4	3745.4
15°	3696.0	3709.5	3700.6	3713.9	3709.5	3713.9	3732.0	3732.0
17.5°	3646.5	3660.0	3660.0	3669.0	3669.0	3682.5	3691.4	3700.6
20°	3583.6	3597.1	3592.5	3606.1	3606.1	3619.6	3628.6	3637.5
22.5°	3489.2	3507.1	3502.6	3516.1	3511.7	3520.7	3538.6	3534.2
25°	3367.8	3390.3	3385.7	3394.7	3390.3	3390.3	3399.3	3403.7
27.5°	3219.4	3232.9	3228.3	3237.5	3228.3	3237.5	3246.4	3250.8
30°	3026.1	3035.1	3030.5	3035.1	3030.5	3039.5	3044.0	3053.0
32.5°	2792.3	2805.8	2792.3	2801.2	2796.7	2796.7	2814.7	2805.8
35°	2513.4	2518.0	2522.4	2522.4	2513.4	2518.0	2527.0	2527.0
37.5°	2203.2	2225.7	2198.8	2212.1	2207.7	2207.7	2207.7	2221.3
40°	1879.5	1883.9	1875.0	1875.0	1875.0	1870.4	1888.5	1883.9
42.5°	1573.7	1578.2	1573.7	1560.3	1564.7	1564.7	1578.2	1560.3
45°	1276.9	1285.9	1281.5	1281.5	1272.5	1272.5	1276.9	1268.0
47.5°	1011.6	1020.6	1007.2	1011.6	1002.7	1011.6	1007.2	1016.2
50°	768.8	777.8	773.4	777.8	777.8	768.8	782.4	764.4
52.5°	575.6	580.0	575.6	571.0	566.6	566.6	575.6	571.0
55°	409.2	404.6	404.6	404.6	409.2	409.2	404.6	400.2
57.5°	274.3	274.3	269.9	269.9	274.3	265.3	269.9	265.3
60°	175.3	175.3	175.3	175.3	170.9	175.3	175.3	175.3
62.5°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
65°	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
67.5°	45.0	49.5	49.5	49.5	45.0	45.0	45.0	45.0
70°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
72.5°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
75°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
77.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	4.6	4.6	4.6	4.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)