

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: P212828

Luminaire Tested: **LE_6B40D010 EC6B30509027 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212828
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_6B40D010 EC6B30509027 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4098.6 lumens
Efficiency: N/A
Efficacy: 95.3 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

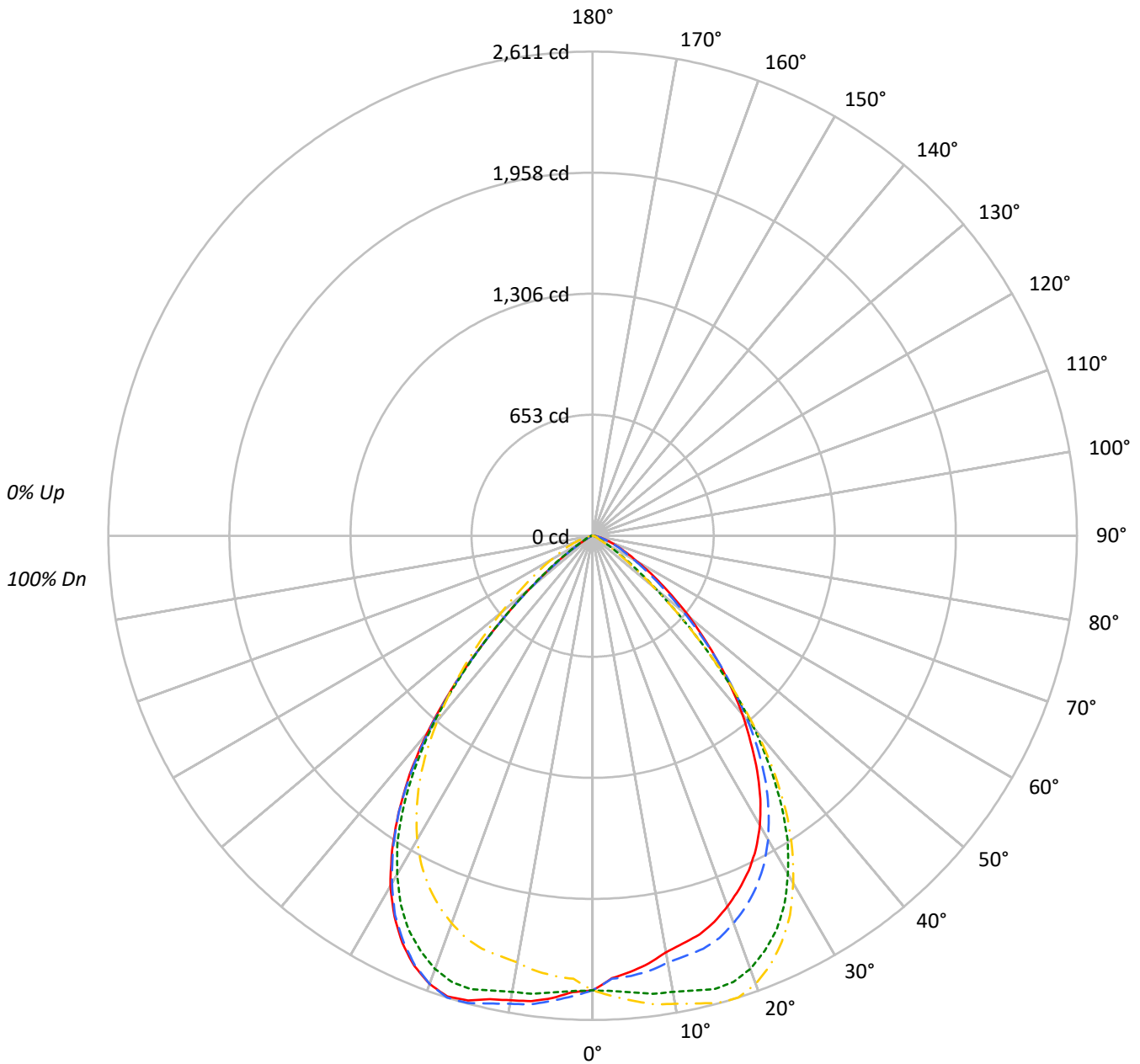
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	134386	134386	134386	134386
5°	129875	136000	137728	136000
10°	126924	139003	141547	139003
15°	126334	143667	147226	143667
20°	124033	145006	150000	145006
25°	120491	141897	146730	141897
30°	114169	133318	138009	133318
35°	103517	118795	122041	118795
40°	89854	96810	99257	96810
45°	73682	66821	67255	66821
50°	57926	37483	36749	37483
55°	42818	18542	16640	18542
60°	30359	8135	5943	8135
65°	22583	5189	3697	5189
70°	16477	4103	2741	4103
75°	12094	3008	1800	3008
80°	8082	2683	916	2683
85°	5346	1824	1824	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	5.7
10°-20°	695.1	17.0
20°-30°	1037.2	25.3
30°-40°	1065.7	26.0
40°-50°	690.1	16.8
50°-60°	256.6	6.3
60°-70°	84.2	2.1
70°-80°	29.7	0.7
80°-90°	5.4	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°	1967.0	48.0
0°-40°	3032.6	74.0
0°-60°	3979.4	97.1
0°-90°	4098.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4098.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2451	2451	2451	2451	2451	
5°	2360	2471	2503	2471	2360	223
15°	2226	2531	2594	2531	2226	626
25°	1992	2346	2426	2346	1992	913
35°	1547	1775	1824	1775	1547	960
45°	950	862	868	862	950	735
55°	448	194	174	194	448	408
65°	174	40	28	40	174	177
75°	57	14	8	14	57	63
85°	8	3	3	3	8	11
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°	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4
2.5°	2388.6	2422.9	2400.0	2414.4	2391.5	2391.5	2437.1	2411.5	2431.5	2411.5	2391.5
5°	2360.1	2402.9	2374.4	2388.6	2368.6	2371.5	2414.4	2394.4	2414.4	2400.0	2382.9
7.5°	2325.9	2368.6	2343.0	2357.2	2337.2	2343.0	2388.6	2368.6	2391.5	2377.2	2365.8
10°	2280.1	2325.9	2303.0	2317.2	2300.1	2303.0	2348.6	2334.4	2354.4	2345.9	2337.2
12.5°	2251.6	2294.5	2268.8	2283.0	2271.6	2277.4	2320.1	2308.8	2334.4	2325.9	2320.1
15°	2226.0	2265.9	2243.1	2257.4	2248.8	2251.6	2297.2	2285.9	2314.4	2308.8	2305.9
17.5°	2183.1	2226.0	2200.2	2217.4	2208.9	2211.8	2257.4	2248.8	2277.4	2277.4	2274.5
20°	2126.1	2168.9	2148.9	2160.4	2154.6	2160.4	2200.2	2194.6	2223.1	2223.1	2223.1
22.5°	2063.2	2106.1	2083.2	2094.8	2089.0	2097.5	2134.6	2134.6	2157.5	2160.4	2163.1
25°	1992.0	2034.8	2011.9	2026.2	2020.5	2026.2	2060.5	2063.2	2083.2	2083.2	2089.0
27.5°	1906.4	1949.1	1926.4	1937.8	1934.9	1937.8	1974.9	1980.5	1992.0	1994.8	2000.5
30°	1803.6	1843.5	1820.8	1832.1	1832.1	1832.1	1869.2	1872.1	1883.5	1886.4	1892.1
32.5°	1683.8	1718.0	1700.9	1712.2	1709.4	1715.1	1740.9	1752.2	1766.5	1763.6	1766.5
35°	1546.8	1583.9	1566.8	1575.2	1578.1	1586.8	1603.9	1618.1	1621.0	1623.9	1629.5
37.5°	1398.4	1435.5	1418.4	1426.9	1429.8	1446.9	1452.6	1466.9	1472.5	1472.5	1472.5
40°	1255.6	1272.8	1258.5	1267.1	1270.0	1284.2	1289.9	1301.4	1307.0	1304.1	1301.4
42.5°	1101.6	1115.9	1101.6	1110.1	1110.1	1121.5	1124.4	1138.6	1138.6	1133.0	1124.4
45°	950.4	964.6	950.4	956.0	956.0	967.5	967.5	967.5	973.1	964.6	950.4
47.5°	807.6	821.9	807.6	813.4	810.5	819.0	816.1	819.0	810.5	804.8	787.6
50°	679.2	684.9	679.2	676.4	679.2	684.9	682.0	682.0	670.6	662.1	642.1
52.5°	553.6	562.2	553.6	553.6	553.6	559.4	559.4	556.5	545.1	533.6	513.6
55°	448.0	453.8	450.9	448.0	448.0	453.8	448.0	448.0	436.6	428.1	408.1
57.5°	356.8	359.6	356.8	356.8	356.8	359.6	359.6	353.9	345.2	336.8	322.5
60°	276.9	279.6	279.6	276.9	276.9	282.5	282.5	279.6	271.1	265.4	251.1
62.5°	219.8	219.8	219.8	219.8	219.8	222.6	222.6	222.6	216.9	211.1	199.8
65°	174.1	176.9	174.1	174.1	176.9	179.8	176.9	179.8	174.1	171.2	162.6
67.5°	134.1	137.0	134.1	137.0	137.0	139.9	137.0	139.9	134.1	131.2	125.6
70°	102.8	102.8	102.8	102.8	102.8	105.6	102.8	105.6	102.8	99.9	94.1
72.5°	77.0	77.0	79.9	79.9	77.0	79.9	77.0	77.0	77.0	74.2	71.4
75°	57.1	57.1	59.9	57.1	57.1	57.1	57.1	57.1	54.2	54.2	51.4
77.5°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	37.1	37.1	34.2
80°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	22.9	22.9
82.5°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	14.2	14.2
85°	8.5	8.5	8.5	11.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	2.9	2.9	2.9	5.8	2.9	2.9	5.8	5.8	2.9	2.9	2.9
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°	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4
2.5°	2414.4	2422.9	2422.9	2414.4	2434.2	2417.1	2451.4	2420.0	2428.6	2457.1	2454.2
5°	2405.8	2417.1	2420.0	2414.4	2440.0	2425.8	2460.0	2428.6	2442.9	2471.4	2471.4
7.5°	2394.4	2408.6	2414.4	2420.0	2442.9	2428.6	2468.5	2437.1	2457.1	2491.4	2488.5
10°	2368.6	2388.6	2400.0	2408.6	2431.5	2422.9	2465.6	2440.0	2457.1	2497.1	2494.2
12.5°	2354.4	2377.2	2394.4	2408.6	2434.2	2428.6	2471.4	2448.5	2471.4	2511.4	2511.4
15°	2343.0	2368.6	2388.6	2414.4	2440.0	2434.2	2480.0	2460.0	2482.8	2531.4	2528.5
17.5°	2314.4	2345.9	2365.8	2394.4	2420.0	2417.1	2465.6	2451.4	2477.1	2522.8	2525.6
20°	2265.9	2294.5	2317.2	2351.5	2380.1	2374.4	2425.8	2411.5	2437.1	2485.6	2488.5
22.5°	2203.1	2231.6	2254.5	2291.6	2317.2	2314.4	2365.8	2351.5	2377.2	2422.9	2425.8
25°	2128.9	2154.6	2177.5	2211.8	2240.2	2240.2	2285.9	2271.6	2300.1	2345.9	2345.9
27.5°	2037.6	2060.5	2080.4	2120.4	2143.2	2143.2	2186.0	2171.8	2200.2	2240.2	2237.4
30°	1926.4	1946.2	1963.4	1997.6	2017.6	2020.5	2057.6	2043.4	2071.9	2106.1	2106.1
32.5°	1792.1	1812.1	1823.6	1866.4	1880.6	1877.8	1906.4	1892.1	1920.6	1957.8	1949.1
35°	1649.5	1658.0	1666.6	1709.4	1715.1	1703.8	1732.2	1718.0	1738.0	1775.1	1769.4
37.5°	1486.9	1489.6	1489.6	1526.8	1529.6	1521.1	1538.2	1521.1	1535.4	1569.6	1566.8
40°	1307.0	1304.1	1301.4	1329.9	1327.0	1309.9	1321.2	1307.0	1327.0	1352.8	1338.4
42.5°	1124.4	1115.9	1104.4	1118.8	1107.2	1093.0	1098.8	1075.9	1090.1	1110.1	1093.0
45°	944.6	927.5	904.6	907.5	893.2	876.1	867.5	844.8	841.9	861.9	847.6
47.5°	776.2	742.0	722.0	710.6	687.8	673.5	656.4	630.8	619.2	630.8	616.4
50°	625.0	590.8	565.0	539.4	516.5	499.4	470.9	453.8	436.6	439.5	428.1
52.5°	493.8	470.9	428.1	408.1	385.2	365.2	339.6	319.6	299.6	299.6	288.2
55°	391.0	359.6	331.0	302.5	279.6	262.5	236.9	216.9	196.9	194.0	182.6
57.5°	302.5	279.6	248.2	219.8	205.5	188.4	162.6	139.9	128.4	119.9	111.2
60°	234.0	211.1	185.5	162.6	145.5	134.1	108.5	91.4	79.9	74.2	65.6
62.5°	188.4	168.4	145.5	122.8	111.2	99.9	79.9	65.6	54.2	48.5	42.8
65°	151.2	134.1	117.0	99.9	91.4	79.9	65.6	54.2	45.6	40.0	34.2
67.5°	117.0	105.6	91.4	79.9	71.4	62.8	51.4	42.8	37.1	31.4	28.5
70°	88.5	79.9	71.4	59.9	54.2	48.5	40.0	31.4	28.5	25.6	22.9
72.5°	68.5	59.9	51.4	45.6	40.0	37.1	31.4	25.6	22.9	20.0	17.1
75°	45.6	42.8	37.1	31.4	28.5	25.6	22.9	20.0	17.1	14.2	14.2
77.5°	31.4	28.5	25.6	22.9	20.0	20.0	17.1	14.2	11.4	11.4	8.5
80°	20.0	17.1	17.1	14.2	14.2	14.2	11.4	8.5	8.5	8.5	5.8
82.5°	14.2	11.4	11.4	8.5	8.5	8.5	8.5	5.8	5.8	5.8	2.9
85°	8.5	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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°	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4
2.5°	2431.5	2457.1	2457.1	2480.0	2482.8	2477.1	2451.4	2451.4	2485.6	2505.6	2471.4
5°	2454.2	2480.0	2480.0	2502.8	2514.2	2505.6	2480.0	2482.8	2517.0	2539.9	2505.6
7.5°	2474.2	2499.9	2505.6	2531.4	2539.9	2531.4	2505.6	2511.4	2548.5	2568.4	2534.1
10°	2482.8	2508.5	2511.4	2539.9	2551.2	2539.9	2519.9	2522.8	2562.8	2577.0	2545.6
12.5°	2502.8	2528.5	2528.5	2559.9	2571.2	2562.8	2537.0	2542.8	2582.8	2597.0	2565.6
15°	2522.8	2548.5	2548.5	2582.8	2597.0	2585.5	2565.6	2568.4	2608.4	2622.6	2597.0
17.5°	2522.8	2545.6	2545.6	2582.8	2597.0	2588.4	2565.6	2568.4	2611.2	2622.6	2597.0
20°	2485.6	2511.4	2505.6	2542.8	2557.0	2548.5	2528.5	2528.5	2571.2	2582.8	2557.0
22.5°	2425.8	2448.5	2442.9	2477.1	2494.2	2482.8	2465.6	2462.9	2505.6	2517.0	2491.4
25°	2343.0	2365.8	2360.1	2394.4	2411.5	2397.2	2377.2	2380.1	2414.4	2431.5	2408.6
27.5°	2246.0	2260.2	2251.6	2285.9	2303.0	2288.8	2268.8	2271.6	2305.9	2317.2	2300.1
30°	2114.6	2126.1	2117.5	2146.0	2157.5	2148.9	2131.8	2131.8	2163.1	2177.5	2160.4
32.5°	1957.8	1966.2	1957.8	1980.5	2003.4	1986.2	1969.1	1969.1	2003.4	2014.8	1994.8
35°	1775.1	1783.6	1777.9	1800.8	1817.9	1795.0	1780.8	1775.1	1820.8	1815.0	1803.6
37.5°	1572.5	1578.1	1561.0	1601.0	1609.5	1583.9	1572.5	1566.8	1606.8	1603.9	1592.4
40°	1344.1	1349.9	1338.4	1367.0	1369.9	1349.9	1341.2	1332.8	1372.6	1369.9	1361.2
42.5°	1101.6	1104.4	1090.1	1113.0	1118.8	1098.8	1095.9	1084.5	1121.5	1115.9	1113.0
45°	850.4	850.4	839.0	856.1	861.9	844.8	839.0	836.1	861.9	861.9	856.1
47.5°	616.4	607.9	593.6	619.2	622.1	610.8	607.9	599.2	625.0	625.0	619.2
50°	422.4	419.5	416.6	422.4	425.2	411.0	419.5	411.0	425.2	425.2	425.2
52.5°	282.5	279.6	274.0	279.6	279.6	271.1	271.1	268.2	279.6	279.6	274.0
55°	176.9	174.1	171.2	174.1	174.1	165.5	171.2	165.5	171.2	171.2	168.4
57.5°	108.5	102.8	102.8	99.9	99.9	94.1	97.0	97.0	97.0	97.0	97.0
60°	62.8	59.9	57.1	57.1	57.1	54.2	54.2	54.2	54.2	54.2	54.2
62.5°	40.0	40.0	37.1	37.1	37.1	37.1	37.1	34.2	37.1	37.1	37.1
65°	34.2	31.4	31.4	31.4	31.4	28.5	28.5	28.5	28.5	28.5	28.5
67.5°	28.5	25.6	25.6	25.6	25.6	22.9	22.9	22.9	22.9	22.9	22.9
70°	22.9	20.0	20.0	20.0	20.0	20.0	17.1	20.0	20.0	17.1	17.1
72.5°	17.1	17.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	11.4	11.4	11.4	11.4	11.4	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	8.5	8.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	0.0	2.9	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: P212828

CATALOG NUMBER: LE_6B40D010 EC6B30509027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4
2.5°	2511.4	2482.8	2468.5	2497.1	2508.5	2494.2	2482.8	2462.9	2482.8	2494.2	2508.5
5°	2545.6	2519.9	2508.5	2528.5	2545.6	2531.4	2522.8	2502.8	2522.8	2531.4	2545.6
7.5°	2577.0	2551.2	2537.0	2557.0	2577.0	2557.0	2548.5	2531.4	2548.5	2557.0	2577.0
10°	2588.4	2559.9	2548.5	2565.6	2585.5	2565.6	2554.1	2542.8	2554.1	2565.6	2585.5
12.5°	2608.4	2579.9	2565.6	2579.9	2599.9	2579.9	2568.4	2559.9	2568.4	2579.9	2599.9
15°	2636.9	2611.2	2594.1	2608.4	2634.0	2611.2	2597.0	2594.1	2597.0	2611.2	2634.0
17.5°	2636.9	2616.9	2599.9	2611.2	2636.9	2619.8	2599.9	2605.5	2599.9	2619.8	2636.9
20°	2599.9	2579.9	2565.6	2565.6	2602.6	2579.9	2562.8	2571.2	2562.8	2579.9	2602.6
22.5°	2534.1	2517.0	2502.8	2499.9	2537.0	2517.0	2494.2	2511.4	2494.2	2517.0	2537.0
25°	2448.5	2431.5	2420.0	2414.4	2451.4	2428.6	2408.6	2425.8	2408.6	2428.6	2451.4
27.5°	2337.2	2323.0	2311.6	2303.0	2337.2	2317.2	2297.2	2314.4	2297.2	2317.2	2337.2
30°	2194.6	2186.0	2174.6	2163.1	2197.4	2177.5	2157.5	2180.2	2157.5	2177.5	2197.4
32.5°	2029.0	2023.4	2009.1	1997.6	2031.9	2009.1	1994.8	2011.9	1994.8	2009.1	2031.9
35°	1837.9	1829.2	1820.8	1800.8	1837.9	1817.9	1817.9	1823.6	1817.9	1817.9	1837.9
37.5°	1623.9	1618.1	1606.8	1589.6	1621.0	1606.8	1601.0	1618.1	1601.0	1606.8	1621.0
40°	1384.1	1381.2	1372.6	1352.8	1387.0	1372.6	1364.1	1387.0	1364.1	1372.6	1387.0
42.5°	1133.0	1127.2	1118.8	1115.9	1133.0	1121.5	1130.1	1130.1	1130.1	1121.5	1133.0
45°	873.2	867.5	861.9	850.4	870.4	864.8	861.9	867.5	861.9	864.8	870.4
47.5°	633.5	627.9	622.1	613.6	633.5	625.0	625.0	630.8	625.0	625.0	633.5
50°	425.2	428.1	425.2	419.5	425.2	422.4	425.2	430.9	425.2	422.4	425.2
52.5°	282.5	282.5	276.9	274.0	279.6	276.9	285.4	279.6	285.4	276.9	279.6
55°	171.2	174.1	171.2	168.4	171.2	168.4	176.9	174.1	176.9	168.4	171.2
57.5°	97.0	97.0	99.9	97.0	102.8	99.9	99.9	99.9	99.9	99.9	102.8
60°	54.2	54.2	54.2	54.2	54.2	54.2	57.1	54.2	57.1	54.2	54.2
62.5°	37.1	37.1	37.1	34.2	37.1	34.2	37.1	37.1	37.1	34.2	37.1
65°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
67.5°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
70°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
72.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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: P212828

CATALOG NUMBER: LE_6B40D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4
2.5°	2497.1	2468.5	2482.8	2511.4	2471.4	2505.6	2485.6	2451.4	2451.4	2477.1	2482.8
5°	2528.5	2508.5	2519.9	2545.6	2505.6	2539.9	2517.0	2482.8	2480.0	2505.6	2514.2
7.5°	2557.0	2537.0	2551.2	2577.0	2534.1	2568.4	2548.5	2511.4	2505.6	2531.4	2539.9
10°	2565.6	2548.5	2559.9	2588.4	2545.6	2577.0	2562.8	2522.8	2519.9	2539.9	2551.2
12.5°	2579.9	2565.6	2579.9	2608.4	2565.6	2597.0	2582.8	2542.8	2537.0	2562.8	2571.2
15°	2608.4	2594.1	2611.2	2636.9	2597.0	2622.6	2608.4	2568.4	2565.6	2585.5	2597.0
17.5°	2611.2	2599.9	2616.9	2636.9	2597.0	2622.6	2611.2	2568.4	2565.6	2588.4	2597.0
20°	2565.6	2565.6	2579.9	2599.9	2557.0	2582.8	2571.2	2528.5	2528.5	2548.5	2557.0
22.5°	2499.9	2502.8	2517.0	2534.1	2491.4	2517.0	2505.6	2462.9	2465.6	2482.8	2494.2
25°	2414.4	2420.0	2431.5	2448.5	2408.6	2431.5	2414.4	2380.1	2377.2	2397.2	2411.5
27.5°	2303.0	2311.6	2323.0	2337.2	2300.1	2317.2	2305.9	2271.6	2268.8	2288.8	2303.0
30°	2163.1	2174.6	2186.0	2194.6	2160.4	2177.5	2163.1	2131.8	2131.8	2148.9	2157.5
32.5°	1997.6	2009.1	2023.4	2029.0	1994.8	2014.8	2003.4	1969.1	1969.1	1986.2	2003.4
35°	1800.8	1820.8	1829.2	1837.9	1803.6	1815.0	1820.8	1775.1	1780.8	1795.0	1817.9
37.5°	1589.6	1606.8	1618.1	1623.9	1592.4	1603.9	1606.8	1566.8	1572.5	1583.9	1609.5
40°	1352.8	1372.6	1381.2	1384.1	1361.2	1369.9	1372.6	1332.8	1341.2	1349.9	1369.9
42.5°	1115.9	1118.8	1127.2	1133.0	1113.0	1115.9	1121.5	1084.5	1095.9	1098.8	1118.8
45°	850.4	861.9	867.5	873.2	856.1	861.9	861.9	836.1	839.0	844.8	861.9
47.5°	613.6	622.1	627.9	633.5	619.2	625.0	625.0	599.2	607.9	610.8	622.1
50°	419.5	425.2	428.1	425.2	425.2	425.2	425.2	411.0	419.5	411.0	425.2
52.5°	274.0	276.9	282.5	282.5	274.0	279.6	279.6	268.2	271.1	271.1	279.6
55°	168.4	171.2	174.1	171.2	168.4	171.2	171.2	165.5	171.2	165.5	174.1
57.5°	97.0	99.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	94.1	99.9
60°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	57.1
62.5°	34.2	37.1	37.1	37.1	37.1	37.1	37.1	34.2	37.1	37.1	37.1
65°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	31.4
67.5°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	25.6
70°	17.1	17.1	17.1	17.1	17.1	17.1	20.0	20.0	17.1	20.0	20.0
72.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.4
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0	2.9
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: P212828

CATALOG NUMBER: LE_6B40D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4
2.5°	2480.0	2457.1	2457.1	2431.5	2454.2	2457.1	2428.6	2420.0	2451.4	2417.1	2434.2
5°	2502.8	2480.0	2480.0	2454.2	2471.4	2471.4	2442.9	2428.6	2460.0	2425.8	2440.0
7.5°	2531.4	2505.6	2499.9	2474.2	2488.5	2491.4	2457.1	2437.1	2468.5	2428.6	2442.9
10°	2539.9	2511.4	2508.5	2482.8	2494.2	2497.1	2457.1	2440.0	2465.6	2422.9	2431.5
12.5°	2559.9	2528.5	2528.5	2502.8	2511.4	2511.4	2471.4	2448.5	2471.4	2428.6	2434.2
15°	2582.8	2548.5	2548.5	2522.8	2528.5	2531.4	2482.8	2460.0	2480.0	2434.2	2440.0
17.5°	2582.8	2545.6	2545.6	2522.8	2525.6	2522.8	2477.1	2451.4	2465.6	2417.1	2420.0
20°	2542.8	2505.6	2511.4	2485.6	2488.5	2485.6	2437.1	2411.5	2425.8	2374.4	2380.1
22.5°	2477.1	2442.9	2448.5	2425.8	2425.8	2422.9	2377.2	2351.5	2365.8	2314.4	2317.2
25°	2394.4	2360.1	2365.8	2343.0	2345.9	2345.9	2300.1	2271.6	2285.9	2240.2	2240.2
27.5°	2285.9	2251.6	2260.2	2246.0	2237.4	2240.2	2200.2	2171.8	2186.0	2143.2	2143.2
30°	2146.0	2117.5	2126.1	2114.6	2106.1	2106.1	2071.9	2043.4	2057.6	2020.5	2017.6
32.5°	1980.5	1957.8	1966.2	1957.8	1949.1	1957.8	1920.6	1892.1	1906.4	1877.8	1880.6
35°	1800.8	1777.9	1783.6	1775.1	1769.4	1775.1	1738.0	1718.0	1732.2	1703.8	1715.1
37.5°	1601.0	1561.0	1578.1	1572.5	1566.8	1569.6	1535.4	1521.1	1538.2	1521.1	1529.6
40°	1367.0	1338.4	1349.9	1344.1	1338.4	1352.8	1327.0	1307.0	1321.2	1309.9	1327.0
42.5°	1113.0	1090.1	1104.4	1101.6	1093.0	1110.1	1090.1	1075.9	1098.8	1093.0	1107.2
45°	856.1	839.0	850.4	850.4	847.6	861.9	841.9	844.8	867.5	876.1	893.2
47.5°	619.2	593.6	607.9	616.4	616.4	630.8	619.2	630.8	656.4	673.5	687.8
50°	422.4	416.6	419.5	422.4	428.1	439.5	436.6	453.8	470.9	499.4	516.5
52.5°	279.6	274.0	279.6	282.5	288.2	299.6	299.6	319.6	339.6	365.2	385.2
55°	174.1	171.2	174.1	176.9	182.6	194.0	196.9	216.9	236.9	262.5	279.6
57.5°	99.9	102.8	102.8	108.5	111.2	119.9	128.4	139.9	162.6	188.4	205.5
60°	57.1	57.1	59.9	62.8	65.6	74.2	79.9	91.4	108.5	134.1	145.5
62.5°	37.1	37.1	40.0	40.0	42.8	48.5	54.2	65.6	79.9	99.9	111.2
65°	31.4	31.4	31.4	34.2	34.2	40.0	45.6	54.2	65.6	79.9	91.4
67.5°	25.6	25.6	25.6	28.5	28.5	31.4	37.1	42.8	51.4	62.8	71.4
70°	20.0	20.0	20.0	22.9	22.9	25.6	28.5	31.4	40.0	48.5	54.2
72.5°	14.2	14.2	17.1	17.1	17.1	20.0	22.9	25.6	31.4	37.1	40.0
75°	11.4	11.4	11.4	11.4	14.2	14.2	17.1	20.0	22.9	25.6	28.5
77.5°	5.8	5.8	8.5	8.5	8.5	11.4	11.4	14.2	17.1	20.0	20.0
80°	5.8	5.8	5.8	5.8	5.8	8.5	8.5	8.5	11.4	14.2	14.2
82.5°	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	8.5	8.5	8.5
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
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: P212828

CATALOG NUMBER: LE_6B40D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4	2451.4
2.5°	2414.4	2422.9	2422.9	2414.4	2391.5	2411.5	2431.5	2411.5	2437.1	2391.5	2391.5
5°	2414.4	2420.0	2417.1	2405.8	2382.9	2400.0	2414.4	2394.4	2414.4	2371.5	2368.6
7.5°	2420.0	2414.4	2408.6	2394.4	2365.8	2377.2	2391.5	2368.6	2388.6	2343.0	2337.2
10°	2408.6	2400.0	2388.6	2368.6	2337.2	2345.9	2354.4	2334.4	2348.6	2303.0	2300.1
12.5°	2408.6	2394.4	2377.2	2354.4	2320.1	2325.9	2334.4	2308.8	2320.1	2277.4	2271.6
15°	2414.4	2388.6	2368.6	2343.0	2305.9	2308.8	2314.4	2285.9	2297.2	2251.6	2248.8
17.5°	2394.4	2365.8	2345.9	2314.4	2274.5	2277.4	2277.4	2248.8	2257.4	2211.8	2208.9
20°	2351.5	2317.2	2294.5	2265.9	2223.1	2223.1	2223.1	2194.6	2200.2	2160.4	2154.6
22.5°	2291.6	2254.5	2231.6	2203.1	2163.1	2160.4	2157.5	2134.6	2134.6	2097.5	2089.0
25°	2211.8	2177.5	2154.6	2128.9	2089.0	2083.2	2083.2	2063.2	2060.5	2026.2	2020.5
27.5°	2120.4	2080.4	2060.5	2037.6	2000.5	1994.8	1992.0	1980.5	1974.9	1937.8	1934.9
30°	1997.6	1963.4	1946.2	1926.4	1892.1	1886.4	1883.5	1872.1	1869.2	1832.1	1832.1
32.5°	1866.4	1823.6	1812.1	1792.1	1766.5	1763.6	1766.5	1752.2	1740.9	1715.1	1709.4
35°	1709.4	1666.6	1658.0	1649.5	1629.5	1623.9	1621.0	1618.1	1603.9	1586.8	1578.1
37.5°	1526.8	1489.6	1489.6	1486.9	1472.5	1472.5	1472.5	1466.9	1452.6	1446.9	1429.8
40°	1329.9	1301.4	1304.1	1307.0	1301.4	1304.1	1307.0	1301.4	1289.9	1284.2	1270.0
42.5°	1118.8	1104.4	1115.9	1124.4	1124.4	1133.0	1138.6	1138.6	1124.4	1121.5	1110.1
45°	907.5	904.6	927.5	944.6	950.4	964.6	973.1	967.5	967.5	967.5	956.0
47.5°	710.6	722.0	742.0	776.2	787.6	804.8	810.5	819.0	816.1	819.0	810.5
50°	539.4	565.0	590.8	625.0	642.1	662.1	670.6	682.0	682.0	684.9	679.2
52.5°	408.1	428.1	470.9	493.8	513.6	533.6	545.1	556.5	559.4	559.4	553.6
55°	302.5	331.0	359.6	391.0	408.1	428.1	436.6	448.0	448.0	453.8	448.0
57.5°	219.8	248.2	279.6	302.5	322.5	336.8	345.2	353.9	359.6	359.6	356.8
60°	162.6	185.5	211.1	234.0	251.1	265.4	271.1	279.6	282.5	282.5	276.9
62.5°	122.8	145.5	168.4	188.4	199.8	211.1	216.9	222.6	222.6	222.6	219.8
65°	99.9	117.0	134.1	151.2	162.6	171.2	174.1	179.8	176.9	179.8	176.9
67.5°	79.9	91.4	105.6	117.0	125.6	131.2	134.1	139.9	137.0	139.9	137.0
70°	59.9	71.4	79.9	88.5	94.1	99.9	102.8	105.6	102.8	105.6	102.8
72.5°	45.6	51.4	59.9	68.5	71.4	74.2	77.0	77.0	77.0	79.9	77.0
75°	31.4	37.1	42.8	45.6	51.4	54.2	54.2	57.1	57.1	57.1	57.1
77.5°	22.9	25.6	28.5	31.4	34.2	37.1	37.1	40.0	40.0	40.0	40.0
80°	14.2	17.1	17.1	20.0	22.9	22.9	25.6	25.6	25.6	25.6	25.6
82.5°	8.5	11.4	11.4	14.2	14.2	14.2	17.1	17.1	17.1	17.1	17.1
85°	5.8	5.8	5.8	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	2.9	2.9
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: P212828

CATALOG NUMBER: LE_6B40D010 EC6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2451.4	2451.4	2451.4	2451.4
2.5°	2414.4	2400.0	2422.9	2388.6
5°	2388.6	2374.4	2402.9	2360.1
7.5°	2357.2	2343.0	2368.6	2325.9
10°	2317.2	2303.0	2325.9	2280.1
12.5°	2283.0	2268.8	2294.5	2251.6
15°	2257.4	2243.1	2265.9	2226.0
17.5°	2217.4	2200.2	2226.0	2183.1
20°	2160.4	2148.9	2168.9	2126.1
22.5°	2094.8	2083.2	2106.1	2063.2
25°	2026.2	2011.9	2034.8	1992.0
27.5°	1937.8	1926.4	1949.1	1906.4
30°	1832.1	1820.8	1843.5	1803.6
32.5°	1712.2	1700.9	1718.0	1683.8
35°	1575.2	1566.8	1583.9	1546.8
37.5°	1426.9	1418.4	1435.5	1398.4
40°	1267.1	1258.5	1272.8	1255.6
42.5°	1110.1	1101.6	1115.9	1101.6
45°	956.0	950.4	964.6	950.4
47.5°	813.4	807.6	821.9	807.6
50°	676.4	679.2	684.9	679.2
52.5°	553.6	553.6	562.2	553.6
55°	448.0	450.9	453.8	448.0
57.5°	356.8	356.8	359.6	356.8
60°	276.9	279.6	279.6	276.9
62.5°	219.8	219.8	219.8	219.8
65°	174.1	174.1	176.9	174.1
67.5°	137.0	134.1	137.0	134.1
70°	102.8	102.8	102.8	102.8
72.5°	79.9	79.9	77.0	77.0
75°	57.1	59.9	57.1	57.1
77.5°	40.0	40.0	40.0	40.0
80°	25.6	25.6	25.6	25.6
82.5°	17.1	17.1	17.1	17.1
85°	11.4	8.5	8.5	8.5
87.5°	5.8	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)