

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: P248936

Luminaire Tested: **LD8B175D010 ER8B175935 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175935 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11956.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

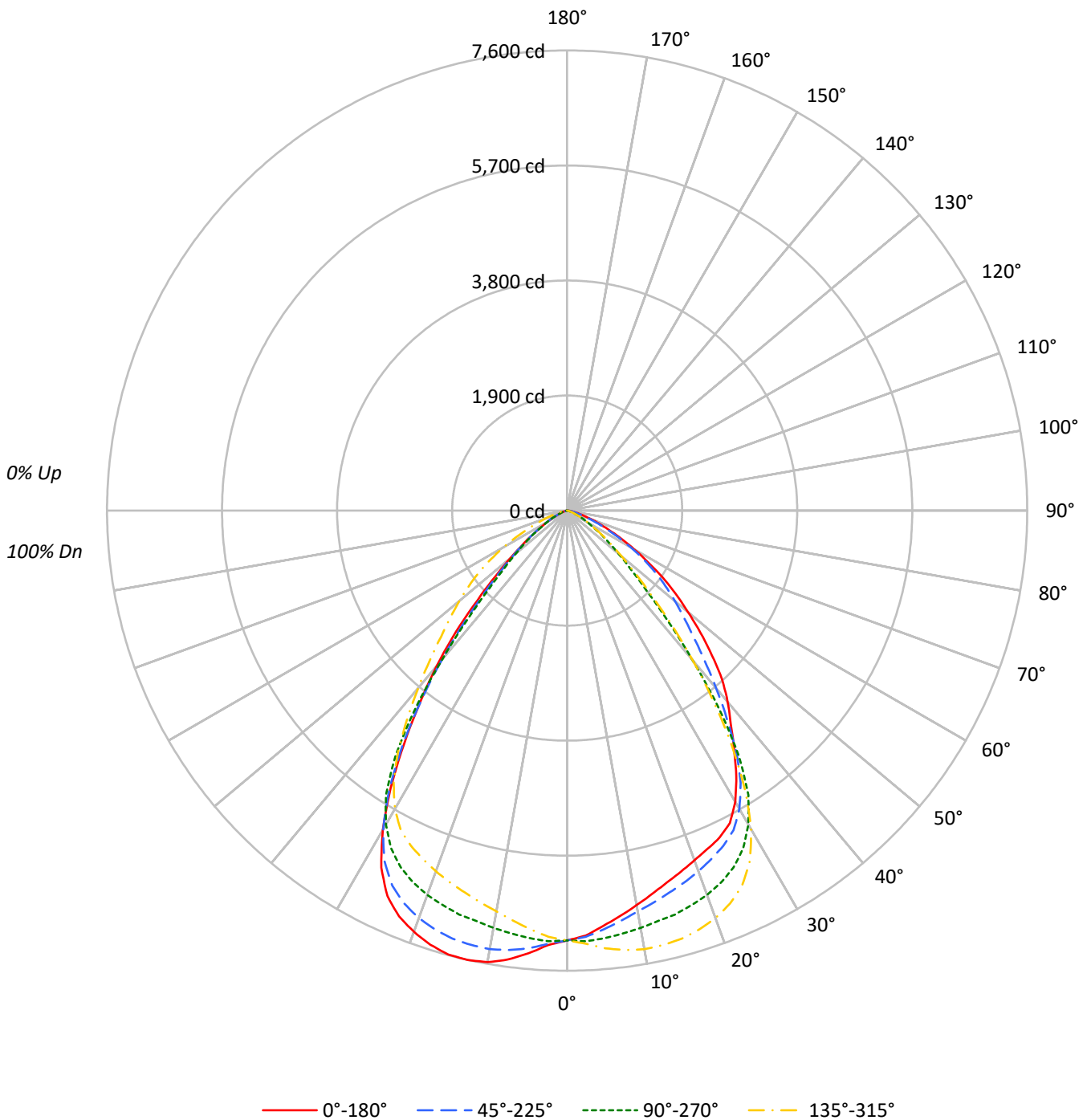
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	218873	218873	218873	218873
5°	213060	219387	227222	219387
10°	207167	219100	237116	219100
15°	203028	220401	242307	220401
20°	201644	221661	242929	221661
25°	202705	221215	239023	221215
30°	197692	213117	216948	213117
35°	180828	185913	176393	185913
40°	166019	129324	135048	129324
45°	147512	78893	91287	78893
50°	124859	52703	58527	52703
55°	103410	35961	38009	35961
60°	78873	23941	24151	23941
65°	55884	14914	13659	14914
70°	40310	9990	9070	9990
75°	25592	4968	4134	4968
80°	17864	3694	3072	3694
85°	15957	0	1203	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.6	5.7
10°-20°	1956.4	16.4
20°-30°	2962.4	24.8
30°-40°	2969.0	24.8
40°-50°	1864.4	15.6
50°-60°	993.5	8.3
60°-70°	408.6	3.4
70°-80°	107.9	0.9
80°-90°	18.3	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°	5594.3	46.8
0°-40°	8563.3	71.6
0°-60°	11421.3	95.5
0°-90°	11956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11956.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7098	7098	7098	7098	7098	
5°	6883	7088	7341	7088	6883	649
15°	6360	6904	7590	6904	6360	1799
25°	5958	6502	7025	6502	5958	2732
35°	4804	4939	4686	4939	4804	3009
45°	3383	1809	2093	1809	3383	2601
55°	1924	669	707	669	1924	1715
65°	766	204	187	204	766	795
75°	215	42	35	42	215	243
85°	45	0	3	0	45	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9
2.5°	7025.1	7018.2	7014.7	7021.7	7025.1	7039.0	7035.6	7042.4	7042.4	7046.0	7052.8
5°	6883.1	6879.5	6883.1	6883.1	6896.9	6910.7	6907.3	6917.7	6924.6	6942.0	6948.8
7.5°	6751.4	6751.4	6747.8	6761.7	6768.7	6789.5	6785.9	6803.3	6813.7	6831.0	6855.2
10°	6616.2	6616.2	6619.6	6630.0	6633.6	6664.7	6664.7	6688.9	6702.7	6720.2	6751.4
12.5°	6484.5	6484.5	6505.3	6498.3	6512.2	6536.4	6546.8	6571.1	6591.9	6626.6	6657.8
15°	6359.7	6359.7	6366.7	6383.9	6394.3	6425.6	6442.8	6470.6	6494.9	6529.6	6574.6
17.5°	6252.2	6248.8	6252.2	6273.1	6293.9	6321.6	6335.4	6370.1	6394.3	6439.4	6481.1
20°	6144.8	6151.8	6151.8	6169.1	6182.9	6217.6	6231.4	6269.6	6297.3	6338.8	6387.5
22.5°	6051.2	6047.8	6047.8	6072.1	6082.5	6113.6	6127.4	6162.1	6193.3	6228.0	6273.1
25°	5957.7	5950.7	5964.7	5968.1	5974.9	6009.6	6020.0	6044.3	6075.5	6106.7	6151.8
27.5°	5819.0	5812.2	5815.6	5829.4	5839.8	5867.5	5874.5	5898.7	5923.0	5950.7	5988.9
30°	5552.1	5545.3	5541.8	5566.1	5576.5	5597.2	5607.6	5649.2	5656.1	5687.3	5715.0
32.5°	5198.6	5195.2	5202.2	5222.9	5233.3	5261.1	5274.9	5299.2	5316.4	5333.8	5361.5
35°	4803.6	4796.6	4803.6	4824.4	4824.4	4848.7	4859.1	4869.4	4865.9	4869.4	4862.5
37.5°	4436.3	4432.7	4436.3	4446.5	4436.3	4446.5	4436.3	4415.4	4377.3	4335.7	4294.0
40°	4124.3	4127.7	4107.0	4120.8	4082.6	4075.8	4037.7	3985.6	3909.4	3826.3	3708.4
42.5°	3791.6	3781.2	3767.4	3774.2	3743.1	3718.7	3656.4	3590.6	3493.5	3354.9	3212.7
45°	3382.6	3379.2	3372.2	3368.8	3347.9	3323.7	3271.6	3195.5	3088.0	2946.0	2776.0
47.5°	2984.0	2973.6	2973.6	2977.0	2952.8	2949.4	2907.7	2842.0	2748.4	2609.7	2433.0
50°	2602.7	2599.3	2606.3	2620.1	2602.7	2595.9	2568.2	2523.1	2440.0	2322.1	2155.6
52.5°	2259.6	2256.2	2263.2	2280.5	2273.5	2280.5	2252.8	2218.1	2162.6	2048.2	1902.7
55°	1923.5	1923.5	1923.5	1944.2	1944.2	1944.2	1930.4	1909.7	1857.6	1774.5	1639.4
57.5°	1573.5	1576.9	1597.7	1601.1	1597.7	1604.7	1601.1	1580.3	1545.8	1486.9	1382.9
60°	1278.9	1278.9	1289.3	1299.7	1296.2	1299.7	1299.7	1289.3	1254.6	1206.1	1123.0
62.5°	1012.0	1022.4	1015.4	1022.4	1036.2	1022.4	1015.4	1008.6	984.3	953.1	883.7
65°	765.9	772.9	772.9	776.3	769.3	772.9	759.1	748.6	734.8	700.1	655.1
67.5°	582.3	582.3	582.3	582.3	578.7	575.3	571.9	561.5	537.2	523.4	474.8
70°	447.1	426.3	426.3	426.3	426.3	429.8	419.4	405.6	398.6	374.3	339.7
72.5°	298.0	305.0	298.0	298.0	291.2	294.6	280.7	273.8	266.9	253.1	232.2
75°	214.8	197.6	204.4	208.0	197.6	204.4	190.6	176.7	176.7	166.3	155.9
77.5°	138.7	135.2	138.7	142.1	138.7	135.2	128.2	121.3	121.3	117.8	107.4
80°	100.6	97.0	97.0	97.0	93.6	97.0	90.2	90.2	83.2	79.7	72.8
82.5°	65.9	65.9	62.3	65.9	62.3	65.9	55.5	55.5	55.5	51.9	45.1
85°	45.1	38.1	38.1	41.7	34.7	41.7	38.1	34.7	31.2	31.2	27.7
87.5°	20.8	24.3	20.8	24.3	20.8	20.8	24.3	20.8	20.8	13.8	13.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9
2.5°	7063.2	7066.7	7066.7	7080.6	7087.5	7090.9	7090.9	7118.7	7108.3	7115.3	7122.1
5°	6962.8	6983.5	6990.5	6990.5	7028.6	7042.4	7056.2	7087.5	7090.9	7111.7	7136.0
7.5°	6865.7	6889.9	6903.9	6935.0	6959.2	6983.5	7025.1	7046.0	7066.7	7094.5	7125.6
10°	6772.1	6799.9	6827.6	6851.8	6889.9	6921.2	6948.8	6997.3	7021.7	7059.8	7101.3
12.5°	6682.1	6720.2	6744.4	6785.9	6827.6	6855.2	6896.9	6942.0	6980.1	7018.2	7066.7
15°	6602.3	6647.4	6675.1	6720.2	6765.2	6803.3	6848.4	6903.9	6931.6	6976.6	7021.7
17.5°	6515.6	6564.2	6598.9	6640.4	6695.9	6737.4	6775.6	6831.0	6865.7	6914.2	6966.2
20°	6425.6	6474.1	6515.6	6557.2	6612.7	6654.2	6699.3	6754.8	6792.9	6841.4	6883.1
22.5°	6318.2	6363.2	6408.2	6456.7	6512.2	6546.8	6598.9	6647.4	6688.9	6734.0	6775.6
25°	6179.5	6235.0	6269.6	6314.6	6359.7	6397.8	6453.2	6501.7	6536.4	6578.1	6616.2
27.5°	6016.6	6058.2	6085.9	6124.0	6169.1	6203.7	6245.3	6293.9	6328.6	6366.7	6394.3
30°	5739.3	5777.5	5801.7	5829.4	5874.5	5905.7	5940.4	5985.3	6009.6	6037.4	6061.7
32.5°	5375.4	5406.6	5420.4	5441.3	5472.5	5503.6	5531.4	5569.5	5579.9	5597.2	5597.2
35°	4848.7	4855.5	4852.1	4859.1	4872.9	4890.2	4914.4	4938.7	4952.5	4952.5	4942.3
37.5°	4231.7	4190.2	4145.1	4110.4	4100.0	4093.0	4107.0	4117.3	4131.3	4138.1	4120.8
40°	3590.6	3497.0	3396.5	3306.3	3244.0	3216.3	3205.9	3212.7	3212.7	3237.0	3237.0
42.5°	3039.5	2893.9	2745.0	2609.7	2519.6	2450.4	2419.1	2419.1	2422.6	2440.0	2450.4
45°	2582.0	2398.3	2225.0	2076.0	1951.2	1861.1	1819.6	1809.1	1805.7	1812.6	1836.8
47.5°	2232.0	2041.4	1861.1	1677.5	1545.8	1455.6	1417.6	1403.6	1389.7	1403.6	1407.1
50°	1958.2	1760.6	1570.1	1386.3	1247.7	1167.9	1119.4	1098.6	1095.2	1095.2	1102.1
52.5°	1708.6	1525.0	1334.4	1147.2	1001.6	925.4	880.3	869.9	856.1	869.9	869.9
55°	1472.9	1289.3	1102.1	925.4	804.0	724.4	682.7	668.9	661.9	672.3	672.3
57.5°	1216.6	1060.5	887.3	727.8	606.6	551.1	519.8	502.6	499.0	506.0	499.0
60°	998.2	866.5	717.4	571.9	478.3	419.4	395.2	388.2	381.2	388.2	388.2
62.5°	790.2	679.3	557.9	447.1	367.3	325.8	298.0	298.0	294.6	294.6	298.0
65°	585.7	499.0	412.4	318.8	256.5	225.3	204.4	204.4	201.0	204.4	201.0
67.5°	426.3	367.3	298.0	232.2	183.7	166.3	152.5	142.1	149.1	142.1	138.7
70°	312.0	263.3	214.8	176.7	142.1	124.8	114.4	110.8	104.0	104.0	104.0
72.5°	208.0	176.7	145.5	114.4	93.6	76.2	72.8	65.9	58.9	62.3	69.3
75°	138.7	117.8	104.0	83.2	62.3	62.3	41.7	41.7	34.7	41.7	31.2
77.5°	97.0	79.7	62.3	51.9	41.7	38.1	27.7	27.7	24.3	24.3	24.3
80°	69.3	58.9	45.1	38.1	27.7	27.7	24.3	20.8	17.3	17.3	20.8
82.5°	41.7	31.2	31.2	27.7	17.3	13.8	10.4	13.8	7.0	7.0	7.0
85°	24.3	20.8	17.3	10.4	7.0	7.0	3.4	0.0	3.4	3.4	0.0
87.5°	13.8	7.0	7.0	3.4	0.0	3.4	3.4	0.0	0.0	0.0	7.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9
2.5°	7139.6	7136.0	7143.0	7143.0	7163.8	7160.2	7170.7	7170.7	7163.8	7167.2	7181.1
5°	7163.8	7174.2	7194.9	7212.3	7243.4	7257.4	7274.6	7292.1	7295.5	7305.9	7316.3
7.5°	7163.8	7198.5	7222.7	7253.8	7295.5	7319.7	7357.8	7389.1	7402.9	7420.2	7441.0
10°	7149.8	7184.5	7229.6	7264.2	7316.3	7354.4	7392.5	7441.0	7461.8	7489.5	7517.3
12.5°	7122.1	7160.2	7208.7	7253.8	7312.7	7347.4	7395.9	7441.0	7472.2	7510.3	7541.6
15°	7080.6	7125.6	7170.7	7215.7	7278.1	7319.7	7364.8	7416.7	7448.0	7489.5	7517.3
17.5°	7014.7	7063.2	7104.9	7146.4	7205.3	7253.8	7295.5	7344.0	7375.2	7409.9	7448.0
20°	6935.0	6980.1	7025.1	7059.8	7118.7	7160.2	7205.3	7250.4	7274.6	7281.6	7340.6
22.5°	6834.6	6865.7	6900.3	6955.8	6990.5	7028.6	7070.2	7111.7	7136.0	7174.2	7194.9
25°	6668.1	6699.3	6737.4	6761.7	6803.3	6834.6	6876.1	6921.2	6935.0	6962.8	6983.5
27.5°	6436.0	6453.2	6470.6	6491.3	6515.6	6533.0	6557.2	6578.1	6591.9	6605.7	6619.6
30°	6068.5	6068.5	6068.5	6054.7	6065.1	6075.5	6078.9	6075.5	6075.5	6072.1	6072.1
32.5°	5583.3	5555.7	5524.4	5496.7	5486.3	5472.5	5465.5	5455.1	5437.8	5427.4	5430.8
35°	4928.3	4865.9	4827.8	4793.2	4765.5	4744.7	4734.3	4723.8	4720.4	4706.6	4692.6
37.5°	4110.4	4065.4	4037.7	4016.9	3992.6	3971.8	3975.2	3978.8	3989.0	3982.2	3985.6
40°	3244.0	3233.5	3244.0	3219.7	3212.7	3219.7	3237.0	3261.4	3275.2	3289.0	3313.3
42.5°	2467.6	2484.9	2509.3	2509.3	2519.6	2533.5	2554.2	2592.5	2613.1	2637.4	2665.2
45°	1857.6	1878.5	1909.7	1920.0	1927.0	1944.2	1968.6	1999.7	2013.6	2034.4	2058.6
47.5°	1431.4	1445.2	1462.5	1479.9	1497.2	1504.1	1528.4	1528.4	1545.8	1559.6	1566.5
50°	1116.0	1129.8	1143.7	1154.1	1161.1	1171.5	1178.3	1188.7	1192.2	1199.2	1202.6
52.5°	873.3	890.7	890.7	897.6	908.0	918.4	915.0	918.4	921.8	921.8	932.2
55°	682.7	682.7	693.2	693.2	700.1	696.6	700.1	700.1	700.1	700.1	703.6
57.5°	509.4	513.0	523.4	516.4	513.0	519.8	513.0	519.8	516.4	523.4	513.0
60°	391.6	391.6	395.2	395.2	398.6	398.6	398.6	395.2	395.2	391.6	391.6
62.5°	294.6	298.0	301.6	298.0	298.0	298.0	294.6	294.6	291.2	287.6	287.6
65°	197.6	194.2	201.0	194.2	197.6	197.6	194.2	197.6	187.2	190.6	187.2
67.5°	142.1	138.7	135.2	138.7	135.2	131.7	131.7	135.2	138.7	128.2	128.2
70°	93.6	97.0	93.6	97.0	100.6	100.6	97.0	93.6	97.0	90.2	93.6
72.5°	58.9	58.9	58.9	58.9	58.9	62.3	62.3	62.3	55.5	55.5	51.9
75°	27.7	38.1	31.2	27.7	38.1	38.1	34.7	34.7	31.2	31.2	31.2
77.5°	27.7	20.8	20.8	20.8	20.8	20.8	20.8	20.8	17.3	20.8	17.3
80°	13.8	13.8	13.8	10.4	13.8	13.8	17.3	13.8	13.8	10.4	17.3
82.5°	7.0	7.0	7.0	0.0	3.4	7.0	7.0	3.4	7.0	7.0	3.4
85°	0.0	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	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: P248936

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9
2.5°	7177.6	7174.2	7177.6	7181.1	7177.6	7174.2	7177.6	7181.1	7167.2	7163.8	7170.7
5°	7330.1	7330.1	7337.0	7340.6	7337.0	7330.1	7330.1	7316.3	7305.9	7295.5	7292.1
7.5°	7461.8	7468.8	7475.6	7479.1	7475.6	7468.8	7461.8	7441.0	7420.2	7402.9	7389.1
10°	7541.6	7552.0	7565.8	7572.7	7565.8	7552.0	7541.6	7517.3	7489.5	7461.8	7441.0
12.5°	7576.2	7586.6	7603.9	7600.5	7603.9	7586.6	7576.2	7541.6	7510.3	7472.2	7441.0
15°	7552.0	7565.8	7583.1	7590.1	7583.1	7565.8	7552.0	7517.3	7489.5	7448.0	7416.7
17.5°	7475.6	7496.5	7506.9	7517.3	7506.9	7496.5	7475.6	7448.0	7409.9	7375.2	7344.0
20°	7371.7	7385.6	7399.5	7402.9	7399.5	7385.6	7371.7	7340.6	7281.6	7274.6	7250.4
22.5°	7222.7	7233.1	7264.2	7253.8	7264.2	7233.1	7222.7	7194.9	7174.2	7136.0	7111.7
25°	7007.7	7018.2	7021.7	7025.1	7021.7	7018.2	7007.7	6983.5	6962.8	6935.0	6921.2
27.5°	6637.0	6637.0	6643.8	6647.4	6643.8	6637.0	6637.0	6619.6	6605.7	6591.9	6578.1
30°	6075.5	6075.5	6075.5	6092.9	6075.5	6075.5	6075.5	6072.1	6072.1	6075.5	6075.5
32.5°	5427.4	5420.4	5413.6	5420.4	5413.6	5420.4	5427.4	5430.8	5427.4	5437.8	5455.1
35°	4692.6	4689.2	4699.6	4685.8	4699.6	4689.2	4692.6	4692.6	4706.6	4720.4	4723.8
37.5°	3989.0	3982.2	3996.0	3982.2	3996.0	3982.2	3989.0	3985.6	3982.2	3989.0	3978.8
40°	3320.3	3327.1	3327.1	3354.9	3327.1	3327.1	3320.3	3313.3	3289.0	3275.2	3261.4
42.5°	2679.0	2699.9	2692.9	2713.7	2692.9	2699.9	2679.0	2665.2	2637.4	2613.1	2592.5
45°	2072.5	2086.5	2086.5	2093.3	2086.5	2086.5	2072.5	2058.6	2034.4	2013.6	1999.7
47.5°	1590.7	1590.7	1590.7	1594.3	1590.7	1590.7	1590.7	1566.5	1559.6	1545.8	1528.4
50°	1209.6	1213.0	1216.6	1220.0	1216.6	1213.0	1209.6	1202.6	1199.2	1192.2	1188.7
52.5°	928.8	932.2	925.4	932.2	925.4	932.2	928.8	932.2	921.8	921.8	918.4
55°	703.6	700.1	703.6	707.0	703.6	700.1	703.6	703.6	700.1	700.1	700.1
57.5°	516.4	509.4	509.4	509.4	509.4	509.4	516.4	513.0	523.4	516.4	519.8
60°	384.7	388.2	388.2	391.6	388.2	388.2	384.7	391.6	391.6	395.2	395.2
62.5°	284.2	294.6	287.6	294.6	287.6	294.6	284.2	287.6	287.6	291.2	294.6
65°	183.7	183.7	183.7	187.2	183.7	183.7	183.7	187.2	190.6	187.2	197.6
67.5°	124.8	128.2	135.2	131.7	135.2	128.2	124.8	128.2	128.2	138.7	135.2
70°	100.6	90.2	90.2	100.6	90.2	90.2	100.6	93.6	90.2	97.0	93.6
72.5°	58.9	51.9	58.9	58.9	58.9	51.9	58.9	51.9	55.5	55.5	62.3
75°	31.2	27.7	24.3	34.7	24.3	27.7	31.2	31.2	31.2	31.2	34.7
77.5°	20.8	17.3	24.3	24.3	24.3	17.3	20.8	17.3	20.8	17.3	20.8
80°	10.4	13.8	10.4	17.3	10.4	13.8	10.4	17.3	10.4	13.8	13.8
82.5°	3.4	7.0	7.0	7.0	7.0	7.0	3.4	3.4	7.0	7.0	3.4
85°	0.0	7.0	3.4	3.4	3.4	7.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	0.0	0.0	3.4	0.0	0.0	3.4	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: P248936

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9
2.5°	7170.7	7160.2	7163.8	7143.0	7143.0	7136.0	7139.6	7122.1	7115.3	7108.3	7118.7
5°	7274.6	7257.4	7243.4	7212.3	7194.9	7174.2	7163.8	7136.0	7111.7	7090.9	7087.5
7.5°	7357.8	7319.7	7295.5	7253.8	7222.7	7198.5	7163.8	7125.6	7094.5	7066.7	7046.0
10°	7392.5	7354.4	7316.3	7264.2	7229.6	7184.5	7149.8	7101.3	7059.8	7021.7	6997.3
12.5°	7395.9	7347.4	7312.7	7253.8	7208.7	7160.2	7122.1	7066.7	7018.2	6980.1	6942.0
15°	7364.8	7319.7	7278.1	7215.7	7170.7	7125.6	7080.6	7021.7	6976.6	6931.6	6903.9
17.5°	7295.5	7253.8	7205.3	7146.4	7104.9	7063.2	7014.7	6966.2	6914.2	6865.7	6831.0
20°	7205.3	7160.2	7118.7	7059.8	7025.1	6980.1	6935.0	6883.1	6841.4	6792.9	6754.8
22.5°	7070.2	7028.6	6990.5	6955.8	6900.3	6865.7	6834.6	6775.6	6734.0	6688.9	6647.4
25°	6876.1	6834.6	6803.3	6761.7	6737.4	6699.3	6668.1	6616.2	6578.1	6536.4	6501.7
27.5°	6557.2	6533.0	6515.6	6491.3	6470.6	6453.2	6436.0	6394.3	6366.7	6328.6	6293.9
30°	6078.9	6075.5	6065.1	6054.7	6068.5	6068.5	6068.5	6061.7	6037.4	6009.6	5985.3
32.5°	5465.5	5472.5	5486.3	5496.7	5524.4	5555.7	5583.3	5597.2	5597.2	5579.9	5569.5
35°	4734.3	4744.7	4765.5	4793.2	4827.8	4865.9	4928.3	4942.3	4952.5	4952.5	4938.7
37.5°	3975.2	3971.8	3992.6	4016.9	4037.7	4065.4	4110.4	4120.8	4138.1	4131.3	4117.3
40°	3237.0	3219.7	3212.7	3219.7	3244.0	3233.5	3244.0	3237.0	3237.0	3212.7	3212.7
42.5°	2554.2	2533.5	2519.6	2509.3	2509.3	2484.9	2467.6	2450.4	2440.0	2422.6	2419.1
45°	1968.6	1944.2	1927.0	1920.0	1909.7	1878.5	1857.6	1836.8	1812.6	1805.7	1809.1
47.5°	1528.4	1504.1	1497.2	1479.9	1462.5	1445.2	1431.4	1407.1	1403.6	1389.7	1403.6
50°	1178.3	1171.5	1161.1	1154.1	1143.7	1129.8	1116.0	1102.1	1095.2	1095.2	1098.6
52.5°	915.0	918.4	908.0	897.6	890.7	890.7	873.3	869.9	869.9	856.1	869.9
55°	700.1	696.6	700.1	693.2	693.2	682.7	682.7	672.3	672.3	661.9	668.9
57.5°	513.0	519.8	513.0	516.4	523.4	513.0	509.4	499.0	506.0	499.0	502.6
60°	398.6	398.6	398.6	395.2	395.2	391.6	391.6	388.2	388.2	381.2	388.2
62.5°	294.6	298.0	298.0	298.0	301.6	298.0	294.6	298.0	294.6	294.6	298.0
65°	194.2	197.6	197.6	194.2	201.0	194.2	197.6	201.0	204.4	201.0	204.4
67.5°	131.7	131.7	135.2	138.7	135.2	138.7	142.1	138.7	142.1	149.1	142.1
70°	97.0	100.6	100.6	97.0	93.6	97.0	93.6	104.0	104.0	104.0	110.8
72.5°	62.3	62.3	58.9	58.9	58.9	58.9	58.9	69.3	62.3	58.9	65.9
75°	34.7	38.1	38.1	27.7	31.2	38.1	27.7	31.2	41.7	34.7	41.7
77.5°	20.8	20.8	20.8	20.8	20.8	20.8	27.7	24.3	24.3	24.3	27.7
80°	17.3	13.8	13.8	10.4	13.8	13.8	13.8	20.8	17.3	17.3	20.8
82.5°	7.0	7.0	3.4	0.0	7.0	7.0	7.0	7.0	7.0	7.0	13.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	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: P248936

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9
2.5°	7090.9	7090.9	7087.5	7080.6	7066.7	7066.7	7063.2	7052.8	7046.0	7042.4	7042.4
5°	7056.2	7042.4	7028.6	6990.5	6990.5	6983.5	6962.8	6948.8	6942.0	6924.6	6917.7
7.5°	7025.1	6983.5	6959.2	6935.0	6903.9	6889.9	6865.7	6855.2	6831.0	6813.7	6803.3
10°	6948.8	6921.2	6889.9	6851.8	6827.6	6799.9	6772.1	6751.4	6720.2	6702.7	6688.9
12.5°	6896.9	6855.2	6827.6	6785.9	6744.4	6720.2	6682.1	6657.8	6626.6	6591.9	6571.1
15°	6848.4	6803.3	6765.2	6720.2	6675.1	6647.4	6602.3	6574.6	6529.6	6494.9	6470.6
17.5°	6775.6	6737.4	6695.9	6640.4	6598.9	6564.2	6515.6	6481.1	6439.4	6394.3	6370.1
20°	6699.3	6654.2	6612.7	6557.2	6515.6	6474.1	6425.6	6387.5	6338.8	6297.3	6269.6
22.5°	6598.9	6546.8	6512.2	6456.7	6408.2	6363.2	6318.2	6273.1	6228.0	6193.3	6162.1
25°	6453.2	6397.8	6359.7	6314.6	6269.6	6235.0	6179.5	6151.8	6106.7	6075.5	6044.3
27.5°	6245.3	6203.7	6169.1	6124.0	6085.9	6058.2	6016.6	5988.9	5950.7	5923.0	5898.7
30°	5940.4	5905.7	5874.5	5829.4	5801.7	5777.5	5739.3	5715.0	5687.3	5656.1	5649.2
32.5°	5531.4	5503.6	5472.5	5441.3	5420.4	5406.6	5375.4	5361.5	5333.8	5316.4	5299.2
35°	4914.4	4890.2	4872.9	4859.1	4852.1	4855.5	4848.7	4862.5	4869.4	4865.9	4869.4
37.5°	4107.0	4093.0	4100.0	4110.4	4145.1	4190.2	4231.7	4294.0	4335.7	4377.3	4415.4
40°	3205.9	3216.3	3244.0	3306.3	3396.5	3497.0	3590.6	3708.4	3826.3	3909.4	3985.6
42.5°	2419.1	2450.4	2519.6	2609.7	2745.0	2893.9	3039.5	3212.7	3354.9	3493.5	3590.6
45°	1819.6	1861.1	1951.2	2076.0	2225.0	2398.3	2582.0	2776.0	2946.0	3088.0	3195.5
47.5°	1417.6	1455.6	1545.8	1677.5	1861.1	2041.4	2232.0	2433.0	2609.7	2748.4	2842.0
50°	1119.4	1167.9	1247.7	1386.3	1570.1	1760.6	1958.2	2155.6	2322.1	2440.0	2523.1
52.5°	880.3	925.4	1001.6	1147.2	1334.4	1525.0	1708.6	1902.7	2048.2	2162.6	2218.1
55°	682.7	724.4	804.0	925.4	1102.1	1289.3	1472.9	1639.4	1774.5	1857.6	1909.7
57.5°	519.8	551.1	606.6	727.8	887.3	1060.5	1216.6	1382.9	1486.9	1545.8	1580.3
60°	395.2	419.4	478.3	571.9	717.4	866.5	998.2	1123.0	1206.1	1254.6	1289.3
62.5°	298.0	325.8	367.3	447.1	557.9	679.3	790.2	883.7	953.1	984.3	1008.6
65°	204.4	225.3	256.5	318.8	412.4	499.0	585.7	655.1	700.1	734.8	748.6
67.5°	152.5	166.3	183.7	232.2	298.0	367.3	426.3	474.8	523.4	537.2	561.5
70°	114.4	124.8	142.1	176.7	214.8	263.3	312.0	339.7	374.3	398.6	405.6
72.5°	72.8	76.2	93.6	114.4	145.5	176.7	208.0	232.2	253.1	266.9	273.8
75°	41.7	62.3	62.3	83.2	104.0	117.8	138.7	155.9	166.3	176.7	176.7
77.5°	27.7	38.1	41.7	51.9	62.3	79.7	97.0	107.4	117.8	121.3	121.3
80°	24.3	27.7	27.7	38.1	45.1	58.9	69.3	72.8	79.7	83.2	90.2
82.5°	10.4	13.8	17.3	27.7	31.2	31.2	41.7	45.1	51.9	55.5	55.5
85°	3.4	7.0	7.0	10.4	17.3	20.8	24.3	27.7	31.2	31.2	34.7
87.5°	3.4	3.4	0.0	3.4	7.0	7.0	13.8	13.8	13.8	20.8	20.8
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: P248936

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9	7097.9
2.5°	7035.6	7039.0	7025.1	7021.7	7014.7	7018.2	7025.1
5°	6907.3	6910.7	6896.9	6883.1	6883.1	6879.5	6883.1
7.5°	6785.9	6789.5	6768.7	6761.7	6747.8	6751.4	6751.4
10°	6664.7	6664.7	6633.6	6630.0	6619.6	6616.2	6616.2
12.5°	6546.8	6536.4	6512.2	6498.3	6505.3	6484.5	6484.5
15°	6442.8	6425.6	6394.3	6383.9	6366.7	6359.7	6359.7
17.5°	6335.4	6321.6	6293.9	6273.1	6252.2	6248.8	6252.2
20°	6231.4	6217.6	6182.9	6169.1	6151.8	6151.8	6144.8
22.5°	6127.4	6113.6	6082.5	6072.1	6047.8	6047.8	6051.2
25°	6020.0	6009.6	5974.9	5968.1	5964.7	5950.7	5957.7
27.5°	5874.5	5867.5	5839.8	5829.4	5815.6	5812.2	5819.0
30°	5607.6	5597.2	5576.5	5566.1	5541.8	5545.3	5552.1
32.5°	5274.9	5261.1	5233.3	5222.9	5202.2	5195.2	5198.6
35°	4859.1	4848.7	4824.4	4824.4	4803.6	4796.6	4803.6
37.5°	4436.3	4446.5	4436.3	4446.5	4436.3	4432.7	4436.3
40°	4037.7	4075.8	4082.6	4120.8	4107.0	4127.7	4124.3
42.5°	3656.4	3718.7	3743.1	3774.2	3767.4	3781.2	3791.6
45°	3271.6	3323.7	3347.9	3368.8	3372.2	3379.2	3382.6
47.5°	2907.7	2949.4	2952.8	2977.0	2973.6	2973.6	2984.0
50°	2568.2	2595.9	2602.7	2620.1	2606.3	2599.3	2602.7
52.5°	2252.8	2280.5	2273.5	2280.5	2263.2	2256.2	2259.6
55°	1930.4	1944.2	1944.2	1944.2	1923.5	1923.5	1923.5
57.5°	1601.1	1604.7	1597.7	1601.1	1597.7	1576.9	1573.5
60°	1299.7	1299.7	1296.2	1299.7	1289.3	1278.9	1278.9
62.5°	1015.4	1022.4	1036.2	1022.4	1015.4	1022.4	1012.0
65°	759.1	772.9	769.3	776.3	772.9	772.9	765.9
67.5°	571.9	575.3	578.7	582.3	582.3	582.3	582.3
70°	419.4	429.8	426.3	426.3	426.3	426.3	447.1
72.5°	280.7	294.6	291.2	298.0	298.0	305.0	298.0
75°	190.6	204.4	197.6	208.0	204.4	197.6	214.8
77.5°	128.2	135.2	138.7	142.1	138.7	135.2	138.7
80°	90.2	97.0	93.6	97.0	97.0	97.0	100.6
82.5°	55.5	65.9	62.3	65.9	62.3	65.9	65.9
85°	38.1	41.7	34.7	41.7	38.1	38.1	45.1
87.5°	24.3	20.8	20.8	24.3	20.8	24.3	20.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)