

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: P248945

Luminaire Tested: **LD8B175D010 ER8B175940 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248945
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 ER8B175940 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12487.0 lumens
Efficiency: N/A
Efficacy: 70.5 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

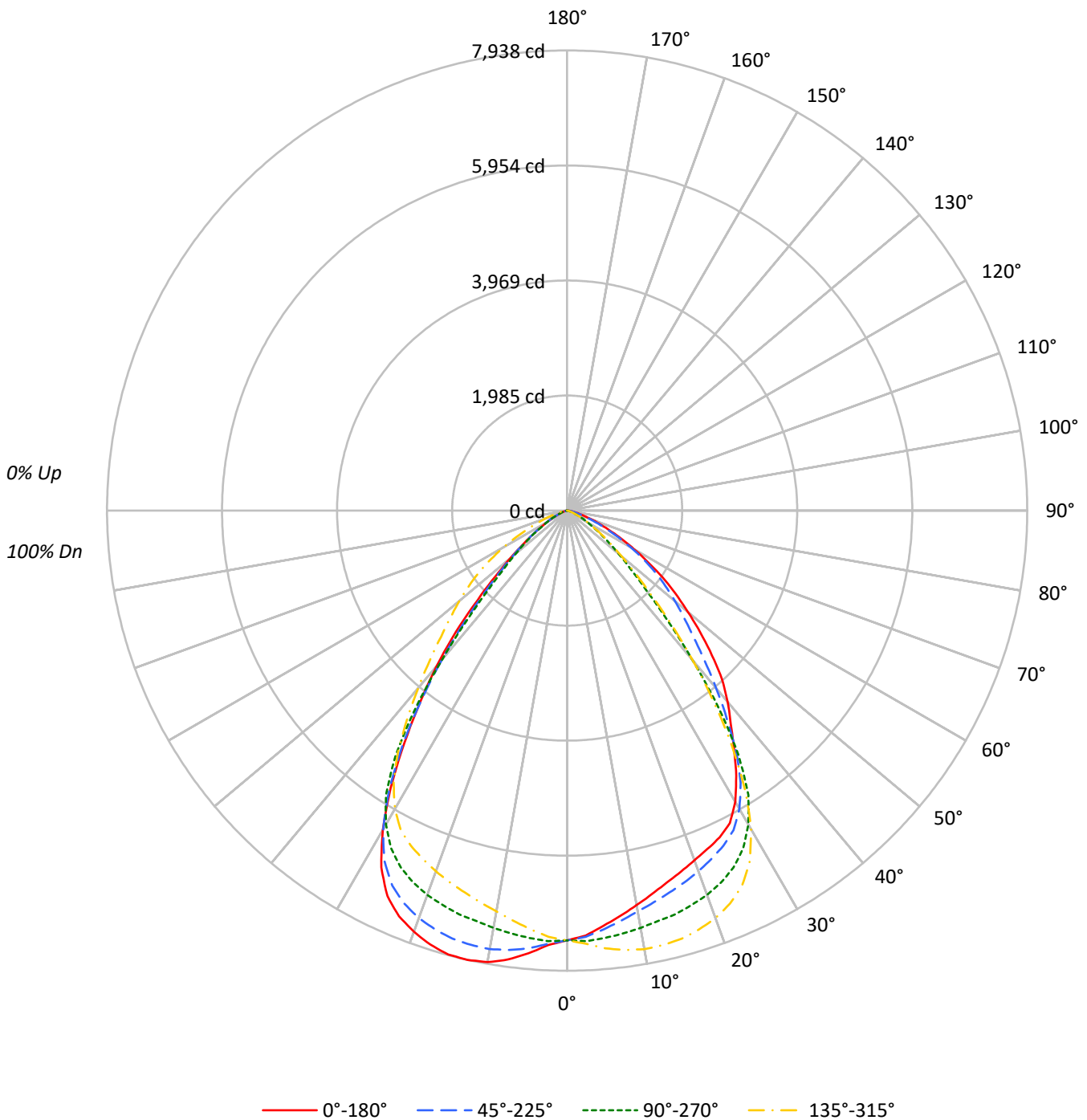
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	228593	228593	228593	228593
5°	222523	229132	237313	229132
10°	216366	228831	247647	228831
15°	212043	230189	253069	230189
20°	210599	231506	253718	231506
25°	211708	231041	249642	231041
30°	206473	222585	226583	222585
35°	188857	194169	184227	194169
40°	173390	135068	141046	135068
45°	154062	82399	95343	82399
50°	130404	55044	61127	55044
55°	108007	37558	39697	37558
60°	82376	25002	25224	25002
65°	58365	15578	14265	15578
70°	42095	10440	9467	10440
75°	26736	5183	4313	5183
80°	18646	3871	3196	3871
85°	16664	0	1274	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.6	5.7
10°-20°	2043.3	16.4
20°-30°	3093.9	24.8
30°-40°	3100.9	24.8
40°-50°	1947.2	15.6
50°-60°	1037.7	8.3
60°-70°	426.7	3.4
70°-80°	112.7	0.9
80°-90°	19.1	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°	5842.8	46.8
0°-40°	8943.7	71.6
0°-60°	11928.5	95.5
0°-90°	12487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12487.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7413	7413	7413	7413	7413	
5°	7189	7402	7667	7402	7189	678
15°	6642	7210	7927	7210	6642	1879
25°	6222	6790	7337	6790	6222	2854
35°	5017	5158	4894	5158	5017	3143
45°	3533	1890	2186	1890	3533	2717
55°	2009	699	738	699	2009	1791
65°	800	214	196	214	800	830
75°	224	44	36	44	224	254
85°	47	0	4	0	47	52
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°	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1
2.5°	7337.2	7329.9	7326.3	7333.6	7337.2	7351.6	7348.0	7355.2	7355.2	7358.9	7366.1
5°	7188.8	7185.0	7188.8	7188.8	7203.2	7217.7	7214.1	7225.0	7232.1	7250.3	7257.4
7.5°	7051.2	7051.2	7047.5	7062.0	7069.3	7091.0	7087.3	7105.5	7116.3	7134.4	7159.7
10°	6910.0	6910.0	6913.6	6924.4	6928.2	6960.7	6960.7	6986.0	7000.4	7018.6	7051.2
12.5°	6772.5	6772.5	6794.2	6786.9	6801.4	6826.7	6837.6	6862.9	6884.7	6920.9	6953.5
15°	6642.1	6642.1	6649.4	6667.4	6678.3	6710.9	6729.0	6758.0	6783.4	6819.6	6866.6
17.5°	6529.9	6526.3	6529.9	6551.7	6573.4	6602.3	6616.8	6653.0	6678.3	6725.4	6768.9
20°	6417.7	6425.0	6425.0	6443.1	6457.5	6493.7	6508.2	6548.1	6577.0	6620.4	6671.2
22.5°	6320.0	6316.4	6316.4	6341.8	6352.6	6385.1	6399.6	6435.8	6468.4	6504.6	6551.7
25°	6222.3	6215.0	6229.6	6233.1	6240.3	6276.5	6287.4	6312.7	6345.3	6378.0	6425.0
27.5°	6077.4	6070.3	6073.9	6088.3	6099.2	6128.1	6135.4	6160.7	6186.1	6215.0	6254.9
30°	5798.7	5791.5	5788.0	5813.3	5824.2	5845.8	5856.6	5900.1	5907.3	5939.9	5968.8
32.5°	5429.5	5425.9	5433.2	5454.8	5465.7	5494.7	5509.2	5534.5	5552.6	5570.7	5599.6
35°	5016.9	5009.6	5016.9	5038.7	5038.7	5064.0	5074.9	5085.6	5082.0	5085.6	5078.5
37.5°	4633.3	4629.6	4633.3	4644.0	4633.3	4644.0	4633.3	4611.5	4571.8	4528.2	4484.7
40°	4307.4	4311.0	4289.4	4303.9	4263.9	4256.8	4217.0	4162.6	4083.1	3996.2	3873.1
42.5°	3960.0	3949.1	3934.7	3941.8	3909.3	3883.9	3818.8	3750.1	3648.6	3503.9	3355.4
45°	3532.8	3529.3	3522.0	3518.4	3496.6	3471.3	3416.9	3337.4	3225.2	3076.8	2899.3
47.5°	3116.6	3105.7	3105.7	3109.3	3083.9	3080.4	3036.9	2968.2	2870.4	2725.6	2541.0
50°	2718.3	2714.7	2722.0	2736.5	2718.3	2711.2	2682.3	2635.2	2548.3	2425.3	2251.4
52.5°	2360.0	2356.4	2363.7	2381.8	2374.5	2381.8	2352.8	2316.6	2258.7	2139.2	1987.2
55°	2009.0	2009.0	2009.0	2030.6	2030.6	2030.6	2016.1	1994.5	1940.1	1853.3	1712.2
57.5°	1643.4	1646.9	1668.7	1672.3	1668.7	1676.0	1672.3	1650.5	1614.5	1552.9	1444.3
60°	1335.7	1335.7	1346.6	1357.4	1353.7	1357.4	1357.4	1346.6	1310.4	1259.7	1172.8
62.5°	1056.9	1067.8	1060.5	1067.8	1082.3	1067.8	1060.5	1053.4	1028.0	995.4	923.0
65°	799.9	807.2	807.2	810.8	803.5	807.2	792.8	781.9	767.4	731.2	684.2
67.5°	608.2	608.2	608.2	608.2	604.5	600.9	597.3	586.4	561.1	546.6	495.8
70°	466.9	445.2	445.2	445.2	445.2	448.9	438.0	423.6	416.3	390.9	354.7
72.5°	311.2	318.5	311.2	311.2	304.1	307.7	293.2	285.9	278.8	264.3	242.6
75°	224.4	206.4	213.5	217.2	206.4	213.5	199.1	184.6	184.6	173.7	162.8
77.5°	144.8	141.2	144.8	148.4	144.8	141.2	133.9	126.6	126.6	123.1	112.2
80°	105.0	101.3	101.3	101.3	97.7	101.3	94.2	94.2	86.9	83.3	76.0
82.5°	68.8	68.8	65.1	68.8	65.1	68.8	58.0	58.0	58.0	54.2	47.1
85°	47.1	39.8	39.8	43.5	36.2	43.5	39.8	36.2	32.6	32.6	28.9
87.5°	21.8	25.3	21.8	25.3	21.8	21.8	25.3	21.8	21.8	14.5	14.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1
2.5°	7376.9	7380.5	7380.5	7395.1	7402.3	7405.8	7405.8	7434.9	7424.0	7431.3	7438.5
5°	7272.0	7293.6	7300.9	7300.9	7340.7	7355.2	7369.6	7402.3	7405.8	7427.6	7452.9
7.5°	7170.6	7195.9	7210.5	7243.0	7268.3	7293.6	7337.2	7358.9	7380.5	7409.6	7442.0
10°	7072.8	7101.9	7130.8	7156.1	7195.9	7228.5	7257.4	7308.1	7333.6	7373.4	7416.7
12.5°	6978.8	7018.6	7043.9	7087.3	7130.8	7159.7	7203.2	7250.3	7290.1	7329.9	7380.5
15°	6895.5	6942.6	6971.5	7018.6	7065.7	7105.5	7152.6	7210.5	7239.4	7286.5	7333.6
17.5°	6805.0	6855.8	6892.0	6935.3	6993.3	7036.6	7076.6	7134.4	7170.6	7221.2	7275.6
20°	6710.9	6761.6	6805.0	6848.5	6906.4	6949.8	6996.9	7054.8	7094.6	7145.3	7188.8
22.5°	6598.8	6645.8	6692.8	6743.4	6801.4	6837.6	6892.0	6942.6	6986.0	7033.1	7076.6
25°	6453.9	6511.9	6548.1	6595.0	6642.1	6681.9	6739.9	6790.5	6826.7	6870.2	6910.0
27.5°	6283.8	6327.3	6356.2	6396.0	6443.1	6479.3	6522.6	6573.4	6609.6	6649.4	6678.3
30°	5994.2	6034.1	6059.4	6088.3	6135.4	6168.0	6204.2	6251.2	6276.5	6305.5	6330.9
32.5°	5614.1	5646.7	5661.2	5682.9	5715.5	5748.0	5777.1	5816.9	5827.7	5845.8	5845.8
35°	5064.0	5071.2	5067.6	5074.9	5089.3	5107.4	5132.7	5158.0	5172.5	5172.5	5161.8
37.5°	4419.6	4376.3	4329.2	4293.0	4282.1	4274.8	4289.4	4300.1	4314.7	4321.9	4303.9
40°	3750.1	3652.3	3547.3	3453.1	3388.0	3359.1	3348.2	3355.4	3355.4	3380.7	3380.7
42.5°	3174.5	3022.4	2866.9	2725.6	2631.5	2559.2	2526.6	2526.6	2530.1	2548.3	2559.2
45°	2696.7	2504.8	2323.8	2168.2	2037.9	1943.7	1900.4	1889.5	1885.9	1893.1	1918.4
47.5°	2331.1	2132.0	1943.7	1752.0	1614.5	1520.3	1480.5	1465.9	1451.5	1465.9	1469.6
50°	2045.2	1838.8	1639.8	1447.9	1303.1	1219.8	1169.1	1147.4	1143.8	1143.8	1151.1
52.5°	1784.5	1592.7	1393.7	1198.2	1046.1	966.5	919.4	908.5	894.1	908.5	908.5
55°	1538.3	1346.6	1151.1	966.5	839.7	756.6	713.1	698.6	691.3	702.2	702.2
57.5°	1270.6	1107.6	926.7	760.1	633.5	575.5	542.9	524.9	521.2	528.5	521.2
60°	1042.5	905.0	749.3	597.3	499.6	438.0	412.7	405.4	398.1	405.4	405.4
62.5°	825.3	709.5	582.7	466.9	383.6	340.3	311.2	311.2	307.7	307.7	311.2
65°	611.8	521.2	430.7	333.0	267.9	235.3	213.5	213.5	209.9	213.5	209.9
67.5°	445.2	383.6	311.2	242.6	191.9	173.7	159.3	148.4	155.7	148.4	144.8
70°	325.8	275.0	224.4	184.6	148.4	130.4	119.5	115.8	108.6	108.6	108.6
72.5°	217.2	184.6	152.0	119.5	97.7	79.6	76.0	68.8	61.5	65.1	72.4
75°	144.8	123.1	108.6	86.9	65.1	65.1	43.5	43.5	36.2	43.5	32.6
77.5°	101.3	83.3	65.1	54.2	43.5	39.8	28.9	28.9	25.3	25.3	25.3
80°	72.4	61.5	47.1	39.8	28.9	28.9	25.3	21.8	18.0	18.0	21.8
82.5°	43.5	32.6	32.6	28.9	18.0	14.5	10.9	14.5	7.3	7.3	7.3
85°	25.3	21.8	18.0	10.9	7.3	7.3	3.6	0.0	3.6	3.6	0.0
87.5°	14.5	7.3	7.3	3.6	0.0	3.6	3.6	0.0	0.0	0.0	7.3
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°	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1
2.5°	7456.6	7452.9	7460.2	7460.2	7482.0	7478.2	7489.1	7489.1	7482.0	7485.5	7500.0
5°	7482.0	7492.8	7514.4	7532.6	7565.1	7579.7	7597.7	7615.9	7619.5	7630.4	7641.2
7.5°	7482.0	7518.2	7543.5	7576.0	7619.5	7644.8	7684.6	7717.2	7731.7	7749.7	7771.5
10°	7467.4	7503.6	7550.7	7586.9	7641.2	7681.0	7720.8	7771.5	7793.2	7822.1	7851.2
12.5°	7438.5	7478.2	7528.9	7576.0	7637.5	7673.7	7724.4	7771.5	7804.1	7843.9	7876.5
15°	7395.1	7442.0	7489.1	7536.2	7601.3	7644.8	7691.9	7746.1	7778.8	7822.1	7851.2
17.5°	7326.3	7376.9	7420.4	7463.8	7525.3	7576.0	7619.5	7670.1	7702.8	7739.0	7778.8
20°	7243.0	7290.1	7337.2	7373.4	7434.9	7478.2	7525.3	7572.4	7597.7	7605.0	7666.6
22.5°	7138.1	7170.6	7206.8	7264.7	7300.9	7340.7	7384.2	7427.6	7452.9	7492.8	7514.4
25°	6964.2	6996.9	7036.6	7062.0	7105.5	7138.1	7181.5	7228.5	7243.0	7272.0	7293.6
27.5°	6721.8	6739.9	6758.0	6779.6	6805.0	6823.1	6848.5	6870.2	6884.7	6899.1	6913.6
30°	6338.0	6338.0	6338.0	6323.6	6334.5	6345.3	6348.9	6345.3	6345.3	6341.8	6341.8
32.5°	5831.3	5802.4	5769.8	5740.9	5730.0	5715.5	5708.2	5697.4	5679.3	5668.5	5672.0
35°	5147.2	5082.0	5042.3	5006.1	4977.2	4955.4	4944.5	4933.6	4930.1	4915.6	4901.0
37.5°	4293.0	4245.9	4217.0	4195.3	4169.9	4148.2	4151.7	4155.5	4166.2	4159.1	4162.6
40°	3388.0	3377.2	3388.0	3362.7	3355.4	3362.7	3380.7	3406.2	3420.7	3435.1	3460.4
42.5°	2577.2	2595.3	2620.7	2620.7	2631.5	2646.1	2667.7	2707.6	2729.2	2754.5	2783.6
45°	1940.1	1961.9	1994.5	2005.3	2012.6	2030.6	2056.1	2088.5	2103.0	2124.7	2150.1
47.5°	1495.0	1509.4	1527.4	1545.6	1563.6	1570.9	1596.3	1596.3	1614.5	1628.9	1636.1
50°	1165.5	1180.0	1194.5	1205.3	1212.6	1223.5	1230.7	1241.5	1245.1	1252.4	1256.0
52.5°	912.1	930.3	930.3	937.4	948.3	959.2	955.6	959.2	962.8	962.8	973.6
55°	713.1	713.1	723.9	723.9	731.2	727.5	731.2	731.2	731.2	731.2	734.8
57.5°	532.0	535.8	546.6	539.3	535.8	542.9	535.8	542.9	539.3	546.6	535.8
60°	409.0	409.0	412.7	412.7	416.3	416.3	416.3	412.7	412.7	409.0	409.0
62.5°	307.7	311.2	315.0	311.2	311.2	311.2	307.7	307.7	304.1	300.4	300.4
65°	206.4	202.8	209.9	202.8	206.4	206.4	202.8	206.4	195.5	199.1	195.5
67.5°	148.4	144.8	141.2	144.8	141.2	137.5	137.5	141.2	144.8	133.9	133.9
70°	97.7	101.3	97.7	101.3	105.0	105.0	101.3	97.7	101.3	94.2	97.7
72.5°	61.5	61.5	61.5	61.5	61.5	65.1	65.1	65.1	58.0	58.0	54.2
75°	28.9	39.8	32.6	28.9	39.8	39.8	36.2	36.2	32.6	32.6	32.6
77.5°	28.9	21.8	21.8	21.8	21.8	21.8	21.8	21.8	18.0	21.8	18.0
80°	14.5	14.5	14.5	10.9	14.5	14.5	18.0	14.5	14.5	10.9	18.0
82.5°	7.3	7.3	7.3	0.0	3.6	7.3	7.3	3.6	7.3	7.3	3.6
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: P248945

CATALOG NUMBER: LD8B175D010 ER8B175940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1
2.5°	7496.4	7492.8	7496.4	7500.0	7496.4	7492.8	7496.4	7500.0	7485.5	7482.0	7489.1
5°	7655.7	7655.7	7662.8	7666.6	7662.8	7655.7	7655.7	7641.2	7630.4	7619.5	7615.9
7.5°	7793.2	7800.5	7807.7	7811.2	7807.7	7800.5	7793.2	7771.5	7749.7	7731.7	7717.2
10°	7876.5	7887.4	7901.8	7909.0	7901.8	7887.4	7876.5	7851.2	7822.1	7793.2	7771.5
12.5°	7912.7	7923.6	7941.6	7938.0	7941.6	7923.6	7912.7	7876.5	7843.9	7804.1	7771.5
15°	7887.4	7901.8	7919.9	7927.2	7919.9	7901.8	7887.4	7851.2	7822.1	7778.8	7746.1
17.5°	7807.7	7829.4	7840.3	7851.2	7840.3	7829.4	7807.7	7778.8	7739.0	7702.8	7670.1
20°	7699.0	7713.6	7728.1	7731.7	7728.1	7713.6	7699.0	7666.6	7605.0	7597.7	7572.4
22.5°	7543.5	7554.4	7586.9	7576.0	7586.9	7554.4	7543.5	7514.4	7492.8	7452.9	7427.6
25°	7319.0	7329.9	7333.6	7337.2	7333.6	7329.9	7319.0	7293.6	7272.0	7243.0	7228.5
27.5°	6931.8	6931.8	6938.9	6942.6	6938.9	6931.8	6931.8	6913.6	6899.1	6884.7	6870.2
30°	6345.3	6345.3	6345.3	6363.5	6345.3	6345.3	6345.3	6341.8	6341.8	6345.3	6345.3
32.5°	5668.5	5661.2	5654.0	5661.2	5654.0	5661.2	5668.5	5672.0	5668.5	5679.3	5697.4
35°	4901.0	4897.4	4908.3	4893.9	4908.3	4897.4	4901.0	4901.0	4915.6	4930.1	4933.6
37.5°	4166.2	4159.1	4173.5	4159.1	4173.5	4159.1	4166.2	4162.6	4159.1	4166.2	4155.5
40°	3467.7	3474.9	3474.9	3503.9	3474.9	3474.9	3467.7	3460.4	3435.1	3420.7	3406.2
42.5°	2798.0	2819.8	2812.5	2834.2	2812.5	2819.8	2798.0	2783.6	2754.5	2729.2	2707.6
45°	2164.5	2179.1	2179.1	2186.3	2179.1	2179.1	2164.5	2150.1	2124.7	2103.0	2088.5
47.5°	1661.4	1661.4	1661.4	1665.1	1661.4	1661.4	1661.4	1636.1	1628.9	1614.5	1596.3
50°	1263.3	1266.9	1270.6	1274.2	1270.6	1266.9	1263.3	1256.0	1252.4	1245.1	1241.5
52.5°	970.1	973.6	966.5	973.6	966.5	973.6	970.1	973.6	962.8	962.8	959.2
55°	734.8	731.2	734.8	738.4	734.8	731.2	734.8	734.8	731.2	731.2	731.2
57.5°	539.3	532.0	532.0	532.0	532.0	532.0	539.3	535.8	546.6	539.3	542.9
60°	401.8	405.4	405.4	409.0	405.4	405.4	401.8	409.0	409.0	412.7	412.7
62.5°	296.8	307.7	300.4	307.7	300.4	307.7	296.8	300.4	300.4	304.1	307.7
65°	191.9	191.9	191.9	195.5	191.9	191.9	191.9	195.5	199.1	195.5	206.4
67.5°	130.4	133.9	141.2	137.5	141.2	133.9	130.4	133.9	133.9	144.8	141.2
70°	105.0	94.2	94.2	105.0	94.2	94.2	105.0	97.7	94.2	101.3	97.7
72.5°	61.5	54.2	61.5	61.5	61.5	54.2	61.5	54.2	58.0	58.0	65.1
75°	32.6	28.9	25.3	36.2	25.3	28.9	32.6	32.6	32.6	32.6	36.2
77.5°	21.8	18.0	25.3	25.3	25.3	18.0	21.8	18.0	21.8	18.0	21.8
80°	10.9	14.5	10.9	18.0	10.9	14.5	10.9	18.0	10.9	14.5	14.5
82.5°	3.6	7.3	7.3	7.3	7.3	7.3	3.6	3.6	7.3	7.3	3.6
85°	0.0	7.3	3.6	3.6	3.6	7.3	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	0.0	0.0	3.6	0.0	0.0	3.6	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



TEST NUMBER: P248945

CATALOG NUMBER: LD8B175D010 ER8B175940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1
2.5°	7489.1	7478.2	7482.0	7460.2	7460.2	7452.9	7456.6	7438.5	7431.3	7424.0	7434.9
5°	7597.7	7579.7	7565.1	7532.6	7514.4	7492.8	7482.0	7452.9	7427.6	7405.8	7402.3
7.5°	7684.6	7644.8	7619.5	7576.0	7543.5	7518.2	7482.0	7442.0	7409.6	7380.5	7358.9
10°	7720.8	7681.0	7641.2	7586.9	7550.7	7503.6	7467.4	7416.7	7373.4	7333.6	7308.1
12.5°	7724.4	7673.7	7637.5	7576.0	7528.9	7478.2	7438.5	7380.5	7329.9	7290.1	7250.3
15°	7691.9	7644.8	7601.3	7536.2	7489.1	7442.0	7395.1	7333.6	7286.5	7239.4	7210.5
17.5°	7619.5	7576.0	7525.3	7463.8	7420.4	7376.9	7326.3	7275.6	7221.2	7170.6	7134.4
20°	7525.3	7478.2	7434.9	7373.4	7337.2	7290.1	7243.0	7188.8	7145.3	7094.6	7054.8
22.5°	7384.2	7340.7	7300.9	7264.7	7206.8	7170.6	7138.1	7076.6	7033.1	6986.0	6942.6
25°	7181.5	7138.1	7105.5	7062.0	7036.6	6996.9	6964.2	6910.0	6870.2	6826.7	6790.5
27.5°	6848.5	6823.1	6805.0	6779.6	6758.0	6739.9	6721.8	6678.3	6649.4	6609.6	6573.4
30°	6348.9	6345.3	6334.5	6323.6	6338.0	6338.0	6338.0	6330.9	6305.5	6276.5	6251.2
32.5°	5708.2	5715.5	5730.0	5740.9	5769.8	5802.4	5831.3	5845.8	5845.8	5827.7	5816.9
35°	4944.5	4955.4	4977.2	5006.1	5042.3	5082.0	5147.2	5161.8	5172.5	5172.5	5158.0
37.5°	4151.7	4148.2	4169.9	4195.3	4217.0	4245.9	4293.0	4303.9	4321.9	4314.7	4300.1
40°	3380.7	3362.7	3355.4	3362.7	3388.0	3377.2	3388.0	3380.7	3380.7	3355.4	3355.4
42.5°	2667.7	2646.1	2631.5	2620.7	2620.7	2595.3	2577.2	2559.2	2548.3	2530.1	2526.6
45°	2056.1	2030.6	2012.6	2005.3	1994.5	1961.9	1940.1	1918.4	1893.1	1885.9	1889.5
47.5°	1596.3	1570.9	1563.6	1545.6	1527.4	1509.4	1495.0	1469.6	1465.9	1451.5	1465.9
50°	1230.7	1223.5	1212.6	1205.3	1194.5	1180.0	1165.5	1151.1	1143.8	1143.8	1147.4
52.5°	955.6	959.2	948.3	937.4	930.3	930.3	912.1	908.5	908.5	894.1	908.5
55°	731.2	727.5	731.2	723.9	723.9	713.1	713.1	702.2	702.2	691.3	698.6
57.5°	535.8	542.9	535.8	539.3	546.6	535.8	532.0	521.2	528.5	521.2	524.9
60°	416.3	416.3	416.3	412.7	412.7	409.0	409.0	405.4	405.4	398.1	405.4
62.5°	307.7	311.2	311.2	311.2	315.0	311.2	307.7	311.2	307.7	307.7	311.2
65°	202.8	206.4	206.4	202.8	209.9	202.8	206.4	209.9	213.5	209.9	213.5
67.5°	137.5	137.5	141.2	144.8	141.2	144.8	148.4	144.8	148.4	155.7	148.4
70°	101.3	105.0	105.0	101.3	97.7	101.3	97.7	108.6	108.6	108.6	115.8
72.5°	65.1	65.1	61.5	61.5	61.5	61.5	61.5	72.4	65.1	61.5	68.8
75°	36.2	39.8	39.8	28.9	32.6	39.8	28.9	32.6	43.5	36.2	43.5
77.5°	21.8	21.8	21.8	21.8	21.8	21.8	28.9	25.3	25.3	25.3	28.9
80°	18.0	14.5	14.5	10.9	14.5	14.5	14.5	21.8	18.0	18.0	21.8
82.5°	7.3	7.3	3.6	0.0	7.3	7.3	7.3	7.3	7.3	7.3	14.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	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: P248945

CATALOG NUMBER: LD8B175D010 ER8B175940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1
2.5°	7405.8	7405.8	7402.3	7395.1	7380.5	7380.5	7376.9	7366.1	7358.9	7355.2	7355.2
5°	7369.6	7355.2	7340.7	7300.9	7300.9	7293.6	7272.0	7257.4	7250.3	7232.1	7225.0
7.5°	7337.2	7293.6	7268.3	7243.0	7210.5	7195.9	7170.6	7159.7	7134.4	7116.3	7105.5
10°	7257.4	7228.5	7195.9	7156.1	7130.8	7101.9	7072.8	7051.2	7018.6	7000.4	6986.0
12.5°	7203.2	7159.7	7130.8	7087.3	7043.9	7018.6	6978.8	6953.5	6920.9	6884.7	6862.9
15°	7152.6	7105.5	7065.7	7018.6	6971.5	6942.6	6895.5	6866.6	6819.6	6783.4	6758.0
17.5°	7076.6	7036.6	6993.3	6935.3	6892.0	6855.8	6805.0	6768.9	6725.4	6678.3	6653.0
20°	6996.9	6949.8	6906.4	6848.5	6805.0	6761.6	6710.9	6671.2	6620.4	6577.0	6548.1
22.5°	6892.0	6837.6	6801.4	6743.4	6692.8	6645.8	6598.8	6551.7	6504.6	6468.4	6435.8
25°	6739.9	6681.9	6642.1	6595.0	6548.1	6511.9	6453.9	6425.0	6378.0	6345.3	6312.7
27.5°	6522.6	6479.3	6443.1	6396.0	6356.2	6327.3	6283.8	6254.9	6215.0	6186.1	6160.7
30°	6204.2	6168.0	6135.4	6088.3	6059.4	6034.1	5994.2	5968.8	5939.9	5907.3	5900.1
32.5°	5777.1	5748.0	5715.5	5682.9	5661.2	5646.7	5614.1	5599.6	5570.7	5552.6	5534.5
35°	5132.7	5107.4	5089.3	5074.9	5067.6	5071.2	5064.0	5078.5	5085.6	5082.0	5085.6
37.5°	4289.4	4274.8	4282.1	4293.0	4329.2	4376.3	4419.6	4484.7	4528.2	4571.8	4611.5
40°	3348.2	3359.1	3388.0	3453.1	3547.3	3652.3	3750.1	3873.1	3996.2	4083.1	4162.6
42.5°	2526.6	2559.2	2631.5	2725.6	2866.9	3022.4	3174.5	3355.4	3503.9	3648.6	3750.1
45°	1900.4	1943.7	2037.9	2168.2	2323.8	2504.8	2696.7	2899.3	3076.8	3225.2	3337.4
47.5°	1480.5	1520.3	1614.5	1752.0	1943.7	2132.0	2331.1	2541.0	2725.6	2870.4	2968.2
50°	1169.1	1219.8	1303.1	1447.9	1639.8	1838.8	2045.2	2251.4	2425.3	2548.3	2635.2
52.5°	919.4	966.5	1046.1	1198.2	1393.7	1592.7	1784.5	1987.2	2139.2	2258.7	2316.6
55°	713.1	756.6	839.7	966.5	1151.1	1346.6	1538.3	1712.2	1853.3	1940.1	1994.5
57.5°	542.9	575.5	633.5	760.1	926.7	1107.6	1270.6	1444.3	1552.9	1614.5	1650.5
60°	412.7	438.0	499.6	597.3	749.3	905.0	1042.5	1172.8	1259.7	1310.4	1346.6
62.5°	311.2	340.3	383.6	466.9	582.7	709.5	825.3	923.0	995.4	1028.0	1053.4
65°	213.5	235.3	267.9	333.0	430.7	521.2	611.8	684.2	731.2	767.4	781.9
67.5°	159.3	173.7	191.9	242.6	311.2	383.6	445.2	495.8	546.6	561.1	586.4
70°	119.5	130.4	148.4	184.6	224.4	275.0	325.8	354.7	390.9	416.3	423.6
72.5°	76.0	79.6	97.7	119.5	152.0	184.6	217.2	242.6	264.3	278.8	285.9
75°	43.5	65.1	65.1	86.9	108.6	123.1	144.8	162.8	173.7	184.6	184.6
77.5°	28.9	39.8	43.5	54.2	65.1	83.3	101.3	112.2	123.1	126.6	126.6
80°	25.3	28.9	28.9	39.8	47.1	61.5	72.4	76.0	83.3	86.9	94.2
82.5°	10.9	14.5	18.0	28.9	32.6	32.6	43.5	47.1	54.2	58.0	58.0
85°	3.6	7.3	7.3	10.9	18.0	21.8	25.3	28.9	32.6	32.6	36.2
87.5°	3.6	3.6	0.0	3.6	7.3	7.3	14.5	14.5	14.5	21.8	21.8
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: P248945

CATALOG NUMBER: LD8B175D010 ER8B175940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1	7413.1
2.5°	7348.0	7351.6	7337.2	7333.6	7326.3	7329.9	7337.2
5°	7214.1	7217.7	7203.2	7188.8	7188.8	7185.0	7188.8
7.5°	7087.3	7091.0	7069.3	7062.0	7047.5	7051.2	7051.2
10°	6960.7	6960.7	6928.2	6924.4	6913.6	6910.0	6910.0
12.5°	6837.6	6826.7	6801.4	6786.9	6794.2	6772.5	6772.5
15°	6729.0	6710.9	6678.3	6667.4	6649.4	6642.1	6642.1
17.5°	6616.8	6602.3	6573.4	6551.7	6529.9	6526.3	6529.9
20°	6508.2	6493.7	6457.5	6443.1	6425.0	6425.0	6417.7
22.5°	6399.6	6385.1	6352.6	6341.8	6316.4	6316.4	6320.0
25°	6287.4	6276.5	6240.3	6233.1	6229.6	6215.0	6222.3
27.5°	6135.4	6128.1	6099.2	6088.3	6073.9	6070.3	6077.4
30°	5856.6	5845.8	5824.2	5813.3	5788.0	5791.5	5798.7
32.5°	5509.2	5494.7	5465.7	5454.8	5433.2	5425.9	5429.5
35°	5074.9	5064.0	5038.7	5038.7	5016.9	5009.6	5016.9
37.5°	4633.3	4644.0	4633.3	4644.0	4633.3	4629.6	4633.3
40°	4217.0	4256.8	4263.9	4303.9	4289.4	4311.0	4307.4
42.5°	3818.8	3883.9	3909.3	3941.8	3934.7	3949.1	3960.0
45°	3416.9	3471.3	3496.6	3518.4	3522.0	3529.3	3532.8
47.5°	3036.9	3080.4	3083.9	3109.3	3105.7	3105.7	3116.6
50°	2682.3	2711.2	2718.3	2736.5	2722.0	2714.7	2718.3
52.5°	2352.8	2381.8	2374.5	2381.8	2363.7	2356.4	2360.0
55°	2016.1	2030.6	2030.6	2030.6	2009.0	2009.0	2009.0
57.5°	1672.3	1676.0	1668.7	1672.3	1668.7	1646.9	1643.4
60°	1357.4	1357.4	1353.7	1357.4	1346.6	1335.7	1335.7
62.5°	1060.5	1067.8	1082.3	1067.8	1060.5	1067.8	1056.9
65°	792.8	807.2	803.5	810.8	807.2	807.2	799.9
67.5°	597.3	600.9	604.5	608.2	608.2	608.2	608.2
70°	438.0	448.9	445.2	445.2	445.2	445.2	466.9
72.5°	293.2	307.7	304.1	311.2	311.2	318.5	311.2
75°	199.1	213.5	206.4	217.2	213.5	206.4	224.4
77.5°	133.9	141.2	144.8	148.4	144.8	141.2	144.8
80°	94.2	101.3	97.7	101.3	101.3	101.3	105.0
82.5°	58.0	68.8	65.1	68.8	65.1	68.8	68.8
85°	39.8	43.5	36.2	43.5	39.8	39.8	47.1
87.5°	25.3	21.8	21.8	25.3	21.8	25.3	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)