

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: P248954

Luminaire Tested: **LD8B175D010 ER8B175950 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248954  
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 ER8B175950 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12928.0 lumens  
Efficiency: N/A  
Efficacy: 73.0 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

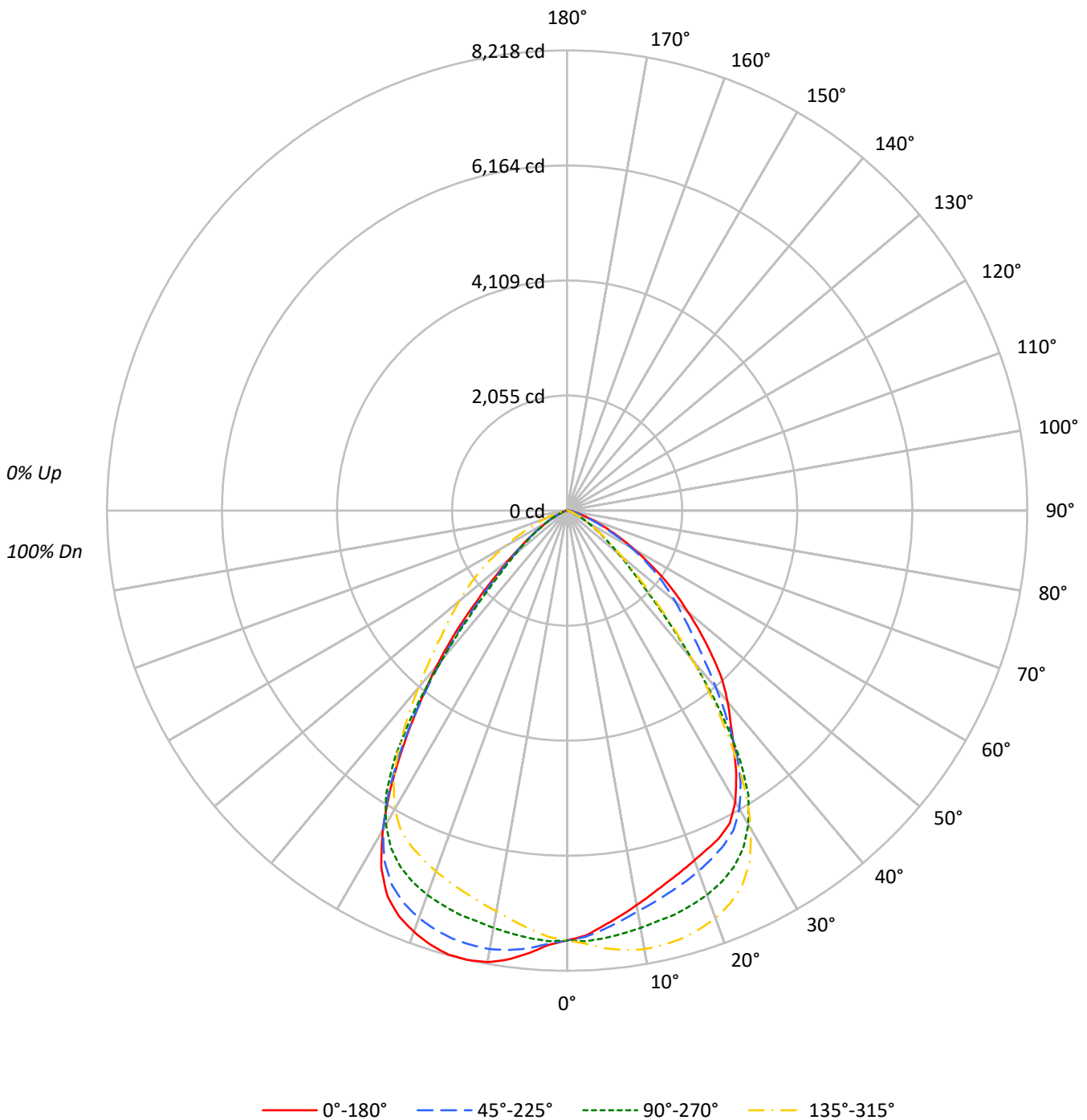
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	236666	236666	236666	236666
5°	230379	237223	245692	237223
10°	224006	236913	256392	236913
15°	219532	238320	262004	238320
20°	218038	239683	262677	239683
25°	219183	239200	258457	239200
30°	213765	230443	234584	230443
35°	195528	201027	190732	201027
40°	179517	139838	146029	139838
45°	159505	85308	98709	85308
50°	135010	56987	63286	56987
55°	111818	38886	41101	38886
60°	85287	25884	26112	25884
65°	60430	16125	14768	16125
70°	43583	10810	9800	10810
75°	27677	5361	4468	5361
80°	19303	3996	3321	3996
85°	17230	0	1309	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	730.5	5.7
10°-20°	2115.4	16.4
20°-30°	3203.2	24.8
30°-40°	3210.4	24.8
40°-50°	2016.0	15.6
50°-60°	1074.3	8.3
60°-70°	441.8	3.4
70°-80°	116.7	0.9
80°-90°	19.7	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°	6049.1	46.8
0°-40°	9259.5	71.6
0°-60°	12349.8	95.5
0°-90°	12928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12928.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7675	7675	7675	7675	7675	
5°	7443	7664	7937	7664	7443	702
15°	6877	7465	8207	7465	6877	1945
25°	6442	7030	7596	7030	6442	2955
35°	5194	5340	5067	5340	5194	3254
45°	3658	1956	2264	1956	3658	2813
55°	2080	723	764	723	2080	1854
65°	828	221	202	221	828	859
75°	232	45	38	45	232	263
85°	49	0	4	0	49	54
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°	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9
2.5°	7596.3	7588.7	7585.0	7592.6	7596.3	7611.2	7607.5	7614.9	7614.9	7618.8	7626.2
5°	7442.6	7438.8	7442.6	7442.6	7457.6	7472.6	7468.9	7480.1	7487.5	7506.3	7513.8
7.5°	7300.3	7300.3	7296.4	7311.4	7318.9	7341.5	7337.6	7356.4	7367.7	7386.3	7412.6
10°	7154.0	7154.0	7157.7	7169.0	7172.9	7206.5	7206.5	7232.7	7247.7	7266.5	7300.3
12.5°	7011.7	7011.7	7034.2	7026.6	7041.6	7067.8	7079.1	7105.3	7127.8	7165.3	7199.1
15°	6876.7	6876.7	6884.3	6902.9	6914.2	6948.0	6966.6	6996.7	7022.9	7060.4	7109.1
17.5°	6760.5	6756.8	6760.5	6783.1	6805.6	6835.5	6850.5	6888.0	6914.2	6962.9	7008.0
20°	6644.4	6651.9	6651.9	6670.6	6685.6	6723.1	6738.0	6779.4	6809.3	6854.2	6906.8
22.5°	6543.2	6539.5	6539.5	6565.7	6577.0	6610.6	6625.6	6663.1	6696.8	6734.3	6783.1
25°	6442.0	6434.5	6449.6	6453.3	6460.7	6498.2	6509.4	6535.6	6569.4	6603.2	6651.9
27.5°	6292.1	6284.7	6288.4	6303.3	6314.6	6344.5	6352.1	6378.3	6404.5	6434.5	6475.8
30°	6003.5	5996.1	5992.4	6018.6	6029.9	6052.2	6063.5	6108.5	6115.9	6149.7	6179.6
32.5°	5621.2	5617.5	5625.1	5647.5	5658.7	5688.8	5703.8	5730.0	5748.6	5767.5	5797.4
35°	5194.1	5186.6	5194.1	5216.6	5216.6	5242.9	5254.1	5265.2	5261.5	5265.2	5257.8
37.5°	4796.9	4793.1	4796.9	4808.0	4796.9	4808.0	4796.9	4774.4	4733.2	4688.2	4643.1
40°	4459.6	4463.3	4440.9	4455.9	4414.5	4407.1	4365.9	4309.6	4227.3	4137.3	4009.9
42.5°	4099.9	4088.6	4073.6	4081.0	4047.4	4021.0	3953.6	3882.5	3777.5	3627.7	3473.9
45°	3657.6	3653.9	3646.4	3642.7	3620.1	3593.9	3537.6	3455.2	3339.1	3185.5	3001.7
47.5°	3226.6	3215.4	3215.4	3219.1	3192.9	3189.2	3144.1	3073.0	2971.8	2821.9	2630.8
50°	2814.3	2810.6	2818.2	2833.1	2814.3	2806.9	2777.0	2728.2	2638.3	2510.9	2330.9
52.5°	2443.3	2439.6	2447.2	2465.9	2458.3	2465.9	2435.9	2398.5	2338.5	2214.7	2057.4
55°	2079.9	2079.9	2079.9	2102.3	2102.3	2102.3	2087.3	2065.0	2008.7	1918.7	1772.7
57.5°	1701.4	1705.1	1727.6	1731.3	1727.6	1735.2	1731.3	1708.8	1671.5	1607.8	1495.3
60°	1382.9	1382.9	1394.1	1405.4	1401.5	1405.4	1405.4	1394.1	1356.6	1304.2	1214.3
62.5°	1094.3	1105.5	1098.0	1105.5	1120.5	1105.5	1098.0	1090.6	1064.3	1030.6	955.6
65°	828.2	835.7	835.7	839.4	831.9	835.7	820.8	809.5	794.6	757.1	708.3
67.5°	629.7	629.7	629.7	629.7	625.8	622.1	618.4	607.1	580.9	565.9	513.3
70°	483.4	460.9	460.9	460.9	460.9	464.8	453.5	438.5	431.0	404.8	367.3
72.5°	322.2	329.8	322.2	322.2	314.8	318.5	303.6	296.0	288.6	273.6	251.1
75°	232.3	213.6	221.0	224.9	213.6	221.0	206.1	191.1	191.1	179.9	168.6
77.5°	149.9	146.2	149.9	153.6	149.9	146.2	138.7	131.1	131.1	127.4	116.2
80°	108.7	104.9	104.9	104.9	101.2	104.9	97.5	97.5	89.9	86.2	78.7
82.5°	71.3	71.3	67.4	71.3	67.4	71.3	60.0	60.0	60.0	56.1	48.7
85°	48.7	41.2	41.2	45.0	37.5	45.0	41.2	37.5	33.8	33.8	29.9
87.5°	22.5	26.2	22.5	26.2	22.5	22.5	26.2	22.5	22.5	15.0	15.0
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9
2.5°	7637.5	7641.2	7641.2	7656.3	7663.7	7667.4	7667.4	7697.5	7686.2	7693.8	7701.2
5°	7528.9	7551.2	7558.8	7558.8	7600.0	7614.9	7629.9	7663.7	7667.4	7689.9	7716.1
7.5°	7423.8	7450.0	7465.2	7498.8	7525.0	7551.2	7596.3	7618.8	7641.2	7671.2	7704.9
10°	7322.6	7352.7	7382.6	7408.9	7450.0	7483.8	7513.8	7566.2	7592.6	7633.8	7678.6
12.5°	7225.3	7266.5	7292.7	7337.6	7382.6	7412.6	7457.6	7506.3	7547.5	7588.7	7641.2
15°	7139.1	7187.8	7217.7	7266.5	7315.2	7356.4	7405.2	7465.2	7495.1	7543.8	7592.6
17.5°	7045.3	7097.9	7135.4	7180.3	7240.3	7285.2	7326.5	7386.3	7423.8	7476.3	7532.6
20°	6948.0	7000.4	7045.3	7090.3	7150.3	7195.2	7244.0	7304.0	7345.2	7397.6	7442.6
22.5°	6831.8	6880.5	6929.1	6981.6	7041.6	7079.1	7135.4	7187.8	7232.7	7281.4	7326.5
25°	6681.9	6741.9	6779.4	6827.9	6876.7	6917.9	6977.9	7030.3	7067.8	7112.9	7154.0
27.5°	6505.7	6550.8	6580.7	6621.9	6670.6	6708.1	6753.0	6805.6	6843.1	6884.3	6914.2
30°	6205.9	6247.2	6273.4	6303.3	6352.1	6385.9	6423.3	6471.9	6498.2	6528.2	6554.5
32.5°	5812.4	5846.1	5861.1	5883.6	5917.4	5951.0	5981.1	6022.3	6033.6	6052.2	6052.2
35°	5242.9	5250.3	5246.6	5254.1	5269.1	5287.7	5314.0	5340.2	5355.2	5355.2	5344.0
37.5°	4575.7	4530.8	4482.1	4444.6	4433.3	4425.8	4440.9	4452.0	4467.1	4474.5	4455.9
40°	3882.5	3781.3	3672.6	3575.1	3507.7	3477.8	3466.5	3473.9	3473.9	3500.1	3500.1
42.5°	3286.6	3129.1	2968.1	2821.9	2724.4	2649.6	2615.8	2615.8	2619.5	2638.3	2649.6
45°	2792.0	2593.3	2405.9	2244.8	2109.9	2012.4	1967.5	1956.2	1952.5	1959.9	1986.1
47.5°	2413.4	2207.3	2012.4	1813.8	1671.5	1574.0	1532.8	1517.7	1502.7	1517.7	1521.5
50°	2117.4	1903.8	1697.7	1499.0	1349.1	1262.9	1210.4	1187.9	1184.2	1184.2	1191.7
52.5°	1847.5	1648.9	1442.9	1240.5	1083.0	1000.6	951.9	940.6	925.7	940.6	940.6
55°	1592.6	1394.1	1191.7	1000.6	869.4	783.3	738.2	723.3	715.7	727.0	727.0
57.5°	1315.5	1146.7	959.4	787.0	655.9	595.9	562.1	543.4	539.6	547.1	539.6
60°	1079.3	936.9	775.7	618.4	517.2	453.5	427.3	419.7	412.2	419.7	419.7
62.5°	854.4	734.5	603.3	483.4	397.2	352.3	322.2	322.2	318.5	318.5	322.2
65°	633.4	539.6	445.9	344.8	277.3	243.6	221.0	221.0	217.3	221.0	217.3
67.5°	460.9	397.2	322.2	251.1	198.7	179.9	164.9	153.6	161.2	153.6	149.9
70°	337.3	284.7	232.3	191.1	153.6	135.0	123.7	119.9	112.4	112.4	112.4
72.5°	224.9	191.1	157.3	123.7	101.2	82.4	78.7	71.3	63.7	67.4	75.0
75°	149.9	127.4	112.4	89.9	67.4	67.4	45.0	45.0	37.5	45.0	33.8
77.5°	104.9	86.2	67.4	56.1	45.0	41.2	29.9	29.9	26.2	26.2	26.2
80°	75.0	63.7	48.7	41.2	29.9	29.9	26.2	22.5	18.7	18.7	22.5
82.5°	45.0	33.8	33.8	29.9	18.7	15.0	11.3	15.0	7.6	7.6	7.6
85°	26.2	22.5	18.7	11.3	7.6	7.6	3.7	0.0	3.7	3.7	0.0
87.5°	15.0	7.6	7.6	3.7	0.0	3.7	3.7	0.0	0.0	0.0	7.6
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9
2.5°	7720.0	7716.1	7723.7	7723.7	7746.2	7742.4	7753.6	7753.6	7746.2	7749.9	7764.9
5°	7746.2	7757.5	7779.8	7798.7	7832.3	7847.4	7866.1	7884.9	7888.6	7899.8	7911.1
7.5°	7746.2	7783.7	7809.9	7843.5	7888.6	7914.8	7956.0	7989.8	8004.7	8023.4	8045.9
10°	7731.1	7768.6	7817.3	7854.8	7911.1	7952.3	7993.5	8045.9	8068.4	8098.4	8128.4
12.5°	7701.2	7742.4	7794.8	7843.5	7907.2	7944.7	7997.2	8045.9	8079.7	8120.9	8154.7
15°	7656.3	7704.9	7753.6	7802.4	7869.8	7914.8	7963.5	8019.7	8053.5	8098.4	8128.4
17.5°	7585.0	7637.5	7682.5	7727.4	7791.1	7843.5	7888.6	7941.0	7974.8	8012.3	8053.5
20°	7498.8	7547.5	7596.3	7633.8	7697.5	7742.4	7791.1	7839.8	7866.1	7873.6	7937.3
22.5°	7390.2	7423.8	7461.3	7521.3	7558.8	7600.0	7645.0	7689.9	7716.1	7757.5	7779.8
25°	7210.2	7244.0	7285.2	7311.4	7356.4	7390.2	7435.1	7483.8	7498.8	7528.9	7551.2
27.5°	6959.2	6977.9	6996.7	7019.1	7045.3	7064.1	7090.3	7112.9	7127.8	7142.8	7157.7
30°	6561.9	6561.9	6561.9	6546.9	6558.2	6569.4	6573.1	6569.4	6569.4	6565.7	6565.7
32.5°	6037.3	6007.3	5973.5	5943.6	5932.4	5917.4	5909.8	5898.6	5879.9	5868.7	5872.4
35°	5328.9	5261.5	5220.3	5182.9	5152.9	5130.4	5119.1	5107.9	5104.2	5089.2	5074.1
37.5°	4444.6	4395.9	4365.9	4343.4	4317.2	4294.7	4298.4	4302.2	4313.3	4305.9	4309.6
40°	3507.7	3496.4	3507.7	3481.5	3473.9	3481.5	3500.1	3526.5	3541.5	3556.4	3582.6
42.5°	2668.2	2686.9	2713.3	2713.3	2724.4	2739.5	2761.9	2803.2	2825.6	2851.8	2881.9
45°	2008.7	2031.2	2065.0	2076.1	2083.6	2102.3	2128.7	2162.3	2177.3	2199.8	2226.0
47.5°	1547.8	1562.7	1581.4	1600.2	1618.9	1626.4	1652.7	1652.7	1671.5	1686.4	1693.8
50°	1206.7	1221.7	1236.6	1247.9	1255.5	1266.7	1274.1	1285.4	1289.1	1296.6	1300.3
52.5°	944.3	963.1	963.1	970.6	981.8	993.1	989.4	993.1	996.8	996.8	1008.0
55°	738.2	738.2	749.5	749.5	757.1	753.2	757.1	757.1	757.1	757.1	760.8
57.5°	550.8	554.7	565.9	558.4	554.7	562.1	554.7	562.1	558.4	565.9	554.7
60°	423.4	423.4	427.3	427.3	431.0	431.0	431.0	427.3	427.3	423.4	423.4
62.5°	318.5	322.2	326.1	322.2	322.2	322.2	318.5	318.5	314.8	311.0	311.0
65°	213.6	209.9	217.3	209.9	213.6	213.6	209.9	213.6	202.4	206.1	202.4
67.5°	153.6	149.9	146.2	149.9	146.2	142.4	142.4	146.2	149.9	138.7	138.7
70°	101.2	104.9	101.2	104.9	108.7	108.7	104.9	101.2	104.9	97.5	101.2
72.5°	63.7	63.7	63.7	63.7	63.7	67.4	67.4	67.4	60.0	60.0	56.1
75°	29.9	41.2	33.8	29.9	41.2	41.2	37.5	37.5	33.8	33.8	33.8
77.5°	29.9	22.5	22.5	22.5	22.5	22.5	22.5	22.5	18.7	22.5	18.7
80°	15.0	15.0	15.0	11.3	15.0	15.0	18.7	15.0	15.0	11.3	18.7
82.5°	7.6	7.6	7.6	0.0	3.7	7.6	7.6	3.7	7.6	7.6	3.7
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: P248954

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9
2.5°	7761.2	7757.5	7761.2	7764.9	7761.2	7757.5	7761.2	7764.9	7749.9	7746.2	7753.6
5°	7926.1	7926.1	7933.5	7937.3	7933.5	7926.1	7926.1	7911.1	7899.8	7888.6	7884.9
7.5°	8068.4	8076.0	8083.4	8087.1	8083.4	8076.0	8068.4	8045.9	8023.4	8004.7	7989.8
10°	8154.7	8165.9	8180.9	8188.3	8180.9	8165.9	8154.7	8128.4	8098.4	8068.4	8045.9
12.5°	8192.1	8203.4	8222.1	8218.4	8222.1	8203.4	8192.1	8154.7	8120.9	8079.7	8045.9
15°	8165.9	8180.9	8199.6	8207.1	8199.6	8180.9	8165.9	8128.4	8098.4	8053.5	8019.7
17.5°	8083.4	8105.9	8117.2	8128.4	8117.2	8105.9	8083.4	8053.5	8012.3	7974.8	7941.0
20°	7971.0	7986.1	8001.0	8004.7	8001.0	7986.1	7971.0	7937.3	7873.6	7866.1	7839.8
22.5°	7809.9	7821.2	7854.8	7843.5	7854.8	7821.2	7809.9	7779.8	7757.5	7716.1	7689.9
25°	7577.5	7588.7	7592.6	7596.3	7592.6	7588.7	7577.5	7551.2	7528.9	7498.8	7483.8
27.5°	7176.6	7176.6	7184.0	7187.8	7184.0	7176.6	7176.6	7157.7	7142.8	7127.8	7112.9
30°	6569.4	6569.4	6569.4	6588.2	6569.4	6569.4	6569.4	6565.7	6565.7	6569.4	6569.4
32.5°	5868.7	5861.1	5853.7	5861.1	5853.7	5861.1	5868.7	5872.4	5868.7	5879.9	5898.6
35°	5074.1	5070.4	5081.7	5066.7	5081.7	5070.4	5074.1	5074.1	5089.2	5104.2	5107.9
37.5°	4313.3	4305.9	4320.9	4305.9	4320.9	4305.9	4313.3	4309.6	4305.9	4313.3	4302.2
40°	3590.2	3597.6	3597.6	3627.7	3597.6	3597.6	3590.2	3582.6	3556.4	3541.5	3526.5
42.5°	2896.8	2919.4	2911.8	2934.3	2911.8	2919.4	2896.8	2881.9	2851.8	2825.6	2803.2
45°	2241.0	2256.1	2256.1	2263.5	2256.1	2256.1	2241.0	2226.0	2199.8	2177.3	2162.3
47.5°	1720.1	1720.1	1720.1	1723.9	1720.1	1720.1	1720.1	1693.8	1686.4	1671.5	1652.7
50°	1307.9	1311.6	1315.5	1319.2	1315.5	1311.6	1307.9	1300.3	1296.6	1289.1	1285.4
52.5°	1004.3	1008.0	1000.6	1008.0	1000.6	1008.0	1004.3	1008.0	996.8	996.8	993.1
55°	760.8	757.1	760.8	764.5	760.8	757.1	760.8	760.8	757.1	757.1	757.1
57.5°	558.4	550.8	550.8	550.8	550.8	550.8	558.4	554.7	565.9	558.4	562.1
60°	416.0	419.7	419.7	423.4	419.7	419.7	416.0	423.4	423.4	427.3	427.3
62.5°	307.3	318.5	311.0	318.5	311.0	318.5	307.3	311.0	311.0	314.8	318.5
65°	198.7	198.7	198.7	202.4	198.7	198.7	198.7	202.4	206.1	202.4	213.6
67.5°	135.0	138.7	146.2	142.4	146.2	138.7	135.0	138.7	138.7	149.9	146.2
70°	108.7	97.5	97.5	108.7	97.5	97.5	108.7	101.2	97.5	104.9	101.2
72.5°	63.7	56.1	63.7	63.7	63.7	56.1	63.7	56.1	60.0	60.0	67.4
75°	33.8	29.9	26.2	37.5	26.2	29.9	33.8	33.8	33.8	33.8	37.5
77.5°	22.5	18.7	26.2	26.2	26.2	18.7	22.5	18.7	22.5	18.7	22.5
80°	11.3	15.0	11.3	18.7	11.3	15.0	11.3	18.7	11.3	15.0	15.0
82.5°	3.7	7.6	7.6	7.6	7.6	7.6	3.7	3.7	7.6	7.6	3.7
85°	0.0	7.6	3.7	3.7	3.7	7.6	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	0.0	0.0	3.7	0.0	0.0	3.7	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: P248954

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9
2.5°	7753.6	7742.4	7746.2	7723.7	7723.7	7716.1	7720.0	7701.2	7693.8	7686.2	7697.5
5°	7866.1	7847.4	7832.3	7798.7	7779.8	7757.5	7746.2	7716.1	7689.9	7667.4	7663.7
7.5°	7956.0	7914.8	7888.6	7843.5	7809.9	7783.7	7746.2	7704.9	7671.2	7641.2	7618.8
10°	7993.5	7952.3	7911.1	7854.8	7817.3	7768.6	7731.1	7678.6	7633.8	7592.6	7566.2
12.5°	7997.2	7944.7	7907.2	7843.5	7794.8	7742.4	7701.2	7641.2	7588.7	7547.5	7506.3
15°	7963.5	7914.8	7869.8	7802.4	7753.6	7704.9	7656.3	7592.6	7543.8	7495.1	7465.2
17.5°	7888.6	7843.5	7791.1	7727.4	7682.5	7637.5	7585.0	7532.6	7476.3	7423.8	7386.3
20°	7791.1	7742.4	7697.5	7633.8	7596.3	7547.5	7498.8	7442.6	7397.6	7345.2	7304.0
22.5°	7645.0	7600.0	7558.8	7521.3	7461.3	7423.8	7390.2	7326.5	7281.4	7232.7	7187.8
25°	7435.1	7390.2	7356.4	7311.4	7285.2	7244.0	7210.2	7154.0	7112.9	7067.8	7030.3
27.5°	7090.3	7064.1	7045.3	7019.1	6996.7	6977.9	6959.2	6914.2	6884.3	6843.1	6805.6
30°	6573.1	6569.4	6558.2	6546.9	6561.9	6561.9	6561.9	6554.5	6528.2	6498.2	6471.9
32.5°	5909.8	5917.4	5932.4	5943.6	5973.5	6007.3	6037.3	6052.2	6052.2	6033.6	6022.3
35°	5119.1	5130.4	5152.9	5182.9	5220.3	5261.5	5328.9	5344.0	5355.2	5355.2	5340.2
37.5°	4298.4	4294.7	4317.2	4343.4	4365.9	4395.9	4444.6	4455.9	4474.5	4467.1	4452.0
40°	3500.1	3481.5	3473.9	3481.5	3507.7	3496.4	3507.7	3500.1	3500.1	3473.9	3473.9
42.5°	2761.9	2739.5	2724.4	2713.3	2713.3	2686.9	2668.2	2649.6	2638.3	2619.5	2615.8
45°	2128.7	2102.3	2083.6	2076.1	2065.0	2031.2	2008.7	1986.1	1959.9	1952.5	1956.2
47.5°	1652.7	1626.4	1618.9	1600.2	1581.4	1562.7	1547.8	1521.5	1517.7	1502.7	1517.7
50°	1274.1	1266.7	1255.5	1247.9	1236.6	1221.7	1206.7	1191.7	1184.2	1184.2	1187.9
52.5°	989.4	993.1	981.8	970.6	963.1	963.1	944.3	940.6	940.6	925.7	940.6
55°	757.1	753.2	757.1	749.5	749.5	738.2	738.2	727.0	727.0	715.7	723.3
57.5°	554.7	562.1	554.7	558.4	565.9	554.7	550.8	539.6	547.1	539.6	543.4
60°	431.0	431.0	431.0	427.3	427.3	423.4	423.4	419.7	419.7	412.2	419.7
62.5°	318.5	322.2	322.2	322.2	326.1	322.2	318.5	322.2	318.5	318.5	322.2
65°	209.9	213.6	213.6	209.9	217.3	209.9	213.6	217.3	221.0	217.3	221.0
67.5°	142.4	142.4	146.2	149.9	146.2	149.9	153.6	149.9	153.6	161.2	153.6
70°	104.9	108.7	108.7	104.9	101.2	104.9	101.2	112.4	112.4	112.4	119.9
72.5°	67.4	67.4	63.7	63.7	63.7	63.7	63.7	75.0	67.4	63.7	71.3
75°	37.5	41.2	41.2	29.9	33.8	41.2	29.9	33.8	45.0	37.5	45.0
77.5°	22.5	22.5	22.5	22.5	22.5	22.5	29.9	26.2	26.2	26.2	29.9
80°	18.7	15.0	15.0	11.3	15.0	15.0	15.0	22.5	18.7	18.7	22.5
82.5°	7.6	7.6	3.7	0.0	7.6	7.6	7.6	7.6	7.6	7.6	15.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	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: P248954

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9
2.5°	7667.4	7667.4	7663.7	7656.3	7641.2	7641.2	7637.5	7626.2	7618.8	7614.9	7614.9
5°	7629.9	7614.9	7600.0	7558.8	7558.8	7551.2	7528.9	7513.8	7506.3	7487.5	7480.1
7.5°	7596.3	7551.2	7525.0	7498.8	7465.2	7450.0	7423.8	7412.6	7386.3	7367.7	7356.4
10°	7513.8	7483.8	7450.0	7408.9	7382.6	7352.7	7322.6	7300.3	7266.5	7247.7	7232.7
12.5°	7457.6	7412.6	7382.6	7337.6	7292.7	7266.5	7225.3	7199.1	7165.3	7127.8	7105.3
15°	7405.2	7356.4	7315.2	7266.5	7217.7	7187.8	7139.1	7109.1	7060.4	7022.9	6996.7
17.5°	7326.5	7285.2	7240.3	7180.3	7135.4	7097.9	7045.3	7008.0	6962.9	6914.2	6888.0
20°	7244.0	7195.2	7150.3	7090.3	7045.3	7000.4	6948.0	6906.8	6854.2	6809.3	6779.4
22.5°	7135.4	7079.1	7041.6	6981.6	6929.1	6880.5	6831.8	6783.1	6734.3	6696.8	6663.1
25°	6977.9	6917.9	6876.7	6827.9	6779.4	6741.9	6681.9	6651.9	6603.2	6569.4	6535.6
27.5°	6753.0	6708.1	6670.6	6621.9	6580.7	6550.8	6505.7	6475.8	6434.5	6404.5	6378.3
30°	6423.3	6385.9	6352.1	6303.3	6273.4	6247.2	6205.9	6179.6	6149.7	6115.9	6108.5
32.5°	5981.1	5951.0	5917.4	5883.6	5861.1	5846.1	5812.4	5797.4	5767.5	5748.6	5730.0
35°	5314.0	5287.7	5269.1	5254.1	5246.6	5250.3	5242.9	5257.8	5265.2	5261.5	5265.2
37.5°	4440.9	4425.8	4433.3	4444.6	4482.1	4530.8	4575.7	4643.1	4688.2	4733.2	4774.4
40°	3466.5	3477.8	3507.7	3575.1	3672.6	3781.3	3882.5	4009.9	4137.3	4227.3	4309.6
42.5°	2615.8	2649.6	2724.4	2821.9	2968.1	3129.1	3286.6	3473.9	3627.7	3777.5	3882.5
45°	1967.5	2012.4	2109.9	2244.8	2405.9	2593.3	2792.0	3001.7	3185.5	3339.1	3455.2
47.5°	1532.8	1574.0	1671.5	1813.8	2012.4	2207.3	2413.4	2630.8	2821.9	2971.8	3073.0
50°	1210.4	1262.9	1349.1	1499.0	1697.7	1903.8	2117.4	2330.9	2510.9	2638.3	2728.2
52.5°	951.9	1000.6	1083.0	1240.5	1442.9	1648.9	1847.5	2057.4	2214.7	2338.5	2398.5
55°	738.2	783.3	869.4	1000.6	1191.7	1394.1	1592.6	1772.7	1918.7	2008.7	2065.0
57.5°	562.1	595.9	655.9	787.0	959.4	1146.7	1315.5	1495.3	1607.8	1671.5	1708.8
60°	427.3	453.5	517.2	618.4	775.7	936.9	1079.3	1214.3	1304.2	1356.6	1394.1
62.5°	322.2	352.3	397.2	483.4	603.3	734.5	854.4	955.6	1030.6	1064.3	1090.6
65°	221.0	243.6	277.3	344.8	445.9	539.6	633.4	708.3	757.1	794.6	809.5
67.5°	164.9	179.9	198.7	251.1	322.2	397.2	460.9	513.3	565.9	580.9	607.1
70°	123.7	135.0	153.6	191.1	232.3	284.7	337.3	367.3	404.8	431.0	438.5
72.5°	78.7	82.4	101.2	123.7	157.3	191.1	224.9	251.1	273.6	288.6	296.0
75°	45.0	67.4	67.4	89.9	112.4	127.4	149.9	168.6	179.9	191.1	191.1
77.5°	29.9	41.2	45.0	56.1	67.4	86.2	104.9	116.2	127.4	131.1	131.1
80°	26.2	29.9	29.9	41.2	48.7	63.7	75.0	78.7	86.2	89.9	97.5
82.5°	11.3	15.0	18.7	29.9	33.8	33.8	45.0	48.7	56.1	60.0	60.0
85°	3.7	7.6	7.6	11.3	18.7	22.5	26.2	29.9	33.8	33.8	37.5
87.5°	3.7	3.7	0.0	3.7	7.6	7.6	15.0	15.0	15.0	22.5	22.5
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: P248954

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9	7674.9
2.5°	7607.5	7611.2	7596.3	7592.6	7585.0	7588.7	7596.3
5°	7468.9	7472.6	7457.6	7442.6	7442.6	7438.8	7442.6
7.5°	7337.6	7341.5	7318.9	7311.4	7296.4	7300.3	7300.3
10°	7206.5	7206.5	7172.9	7169.0	7157.7	7154.0	7154.0
12.5°	7079.1	7067.8	7041.6	7026.6	7034.2	7011.7	7011.7
15°	6966.6	6948.0	6914.2	6902.9	6884.3	6876.7	6876.7
17.5°	6850.5	6835.5	6805.6	6783.1	6760.5	6756.8	6760.5
20°	6738.0	6723.1	6685.6	6670.6	6651.9	6651.9	6644.4
22.5°	6625.6	6610.6	6577.0	6565.7	6539.5	6539.5	6543.2
25°	6509.4	6498.2	6460.7	6453.3	6449.6	6434.5	6442.0
27.5°	6352.1	6344.5	6314.6	6303.3	6288.4	6284.7	6292.1
30°	6063.5	6052.2	6029.9	6018.6	5992.4	5996.1	6003.5
32.5°	5703.8	5688.8	5658.7	5647.5	5625.1	5617.5	5621.2
35°	5254.1	5242.9	5216.6	5216.6	5194.1	5186.6	5194.1
37.5°	4796.9	4808.0	4796.9	4808.0	4796.9	4793.1	4796.9
40°	4365.9	4407.1	4414.5	4455.9	4440.9	4463.3	4459.6
42.5°	3953.6	4021.0	4047.4	4081.0	4073.6	4088.6	4099.9
45°	3537.6	3593.9	3620.1	3642.7	3646.4	3653.9	3657.6
47.5°	3144.1	3189.2	3192.9	3219.1	3215.4	3215.4	3226.6
50°	2777.0	2806.9	2814.3	2833.1	2818.2	2810.6	2814.3
52.5°	2435.9	2465.9	2458.3	2465.9	2447.2	2439.6	2443.3
55°	2087.3	2102.3	2102.3	2102.3	2079.9	2079.9	2079.9
57.5°	1731.3	1735.2	1727.6	1731.3	1727.6	1705.1	1701.4
60°	1405.4	1405.4	1401.5	1405.4	1394.1	1382.9	1382.9
62.5°	1098.0	1105.5	1120.5	1105.5	1098.0	1105.5	1094.3
65°	820.8	835.7	831.9	839.4	835.7	835.7	828.2
67.5°	618.4	622.1	625.8	629.7	629.7	629.7	629.7
70°	453.5	464.8	460.9	460.9	460.9	460.9	483.4
72.5°	303.6	318.5	314.8	322.2	322.2	329.8	322.2
75°	206.1	221.0	213.6	224.9	221.0	213.6	232.3
77.5°	138.7	146.2	149.9	153.6	149.9	146.2	149.9
80°	97.5	104.9	101.2	104.9	104.9	104.9	108.7
82.5°	60.0	71.3	67.4	71.3	67.4	71.3	71.3
85°	41.2	45.0	37.5	45.0	41.2	41.2	48.7
87.5°	26.2	22.5	22.5	26.2	22.5	26.2	22.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)