

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: P248801

Luminaire Tested: **LD8B175D010 ER8B175850 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248801
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 ER8B175850 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17200.0 lumens
Efficiency: N/A
Efficacy: 97.1 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

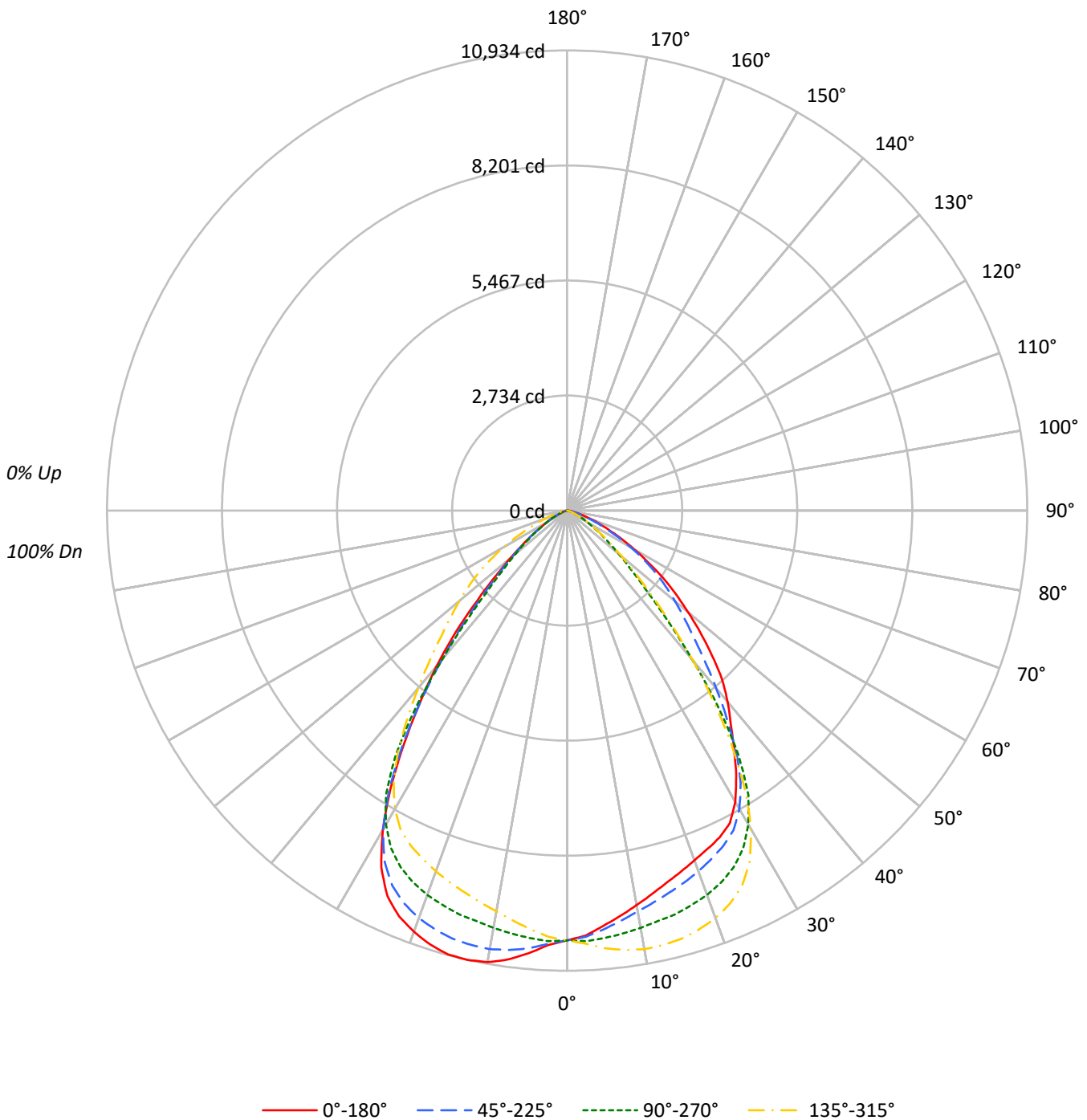
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	314873	314873	314873	314873
5°	306508	315611	326882	315611
10°	298031	315199	341116	315199
15°	292077	317070	348582	317070
20°	290087	318883	349480	318883
25°	291610	318244	343861	318244
30°	284401	306595	312103	306595
35°	260140	267454	253759	267454
40°	238835	186046	194282	186046
45°	212215	113497	131325	113497
50°	179625	75816	84197	75816
55°	148769	51735	54681	51735
60°	113465	34438	34740	34438
65°	80393	21459	19649	21459
70°	57990	14380	13046	14380
75°	36827	7137	5945	7137
80°	25696	5327	4404	5327
85°	22962	0	1734	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	971.9	5.7
10°-20°	2814.5	16.4
20°-30°	4261.7	24.8
30°-40°	4271.2	24.8
40°-50°	2682.1	15.6
50°-60°	1429.3	8.3
60°-70°	587.8	3.4
70°-80°	155.3	0.9
80°-90°	26.3	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°	8048.0	46.8
0°-40°	12319.3	71.6
0°-60°	16430.7	95.5
0°-90°	17200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17200.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10211	10211	10211	10211	10211	
5°	9902	10196	10560	10196	9902	934
15°	9149	9932	10919	9932	9149	2588
25°	8571	9354	10106	9354	8571	3931
35°	6910	7105	6741	7105	6910	4329
45°	4866	2603	3011	2603	4866	3743
55°	2767	962	1017	962	2767	2467
65°	1102	294	269	294	1102	1143
75°	309	60	50	60	309	350
85°	65	0	5	0	65	71
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°	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1
2.5°	10106.4	10096.4	10091.5	10101.5	10106.4	10126.3	10121.4	10131.3	10131.3	10136.4	10146.2
5°	9902.0	9896.9	9902.0	9902.0	9921.9	9941.8	9936.9	9951.9	9961.7	9986.8	9996.6
7.5°	9712.6	9712.6	9707.5	9727.4	9737.4	9767.4	9762.3	9787.3	9802.3	9827.1	9862.0
10°	9518.1	9518.1	9523.0	9538.0	9543.1	9587.8	9587.8	9622.7	9642.6	9667.7	9712.6
12.5°	9328.6	9328.6	9358.6	9348.5	9368.4	9403.3	9418.3	9453.2	9483.2	9533.0	9578.0
15°	9149.1	9149.1	9159.1	9184.0	9198.9	9243.9	9268.7	9308.7	9343.6	9393.5	9458.3
17.5°	8994.5	8989.6	8994.5	9024.5	9054.5	9094.3	9114.2	9164.0	9198.9	9263.8	9323.7
20°	8840.0	8850.1	8850.1	8874.9	8894.8	8944.7	8964.6	9019.6	9059.4	9119.1	9189.1
22.5°	8705.4	8700.4	8700.4	8735.3	8750.3	8795.1	8815.0	8864.8	8909.8	8959.6	9024.5
25°	8570.7	8560.7	8580.8	8585.7	8595.6	8645.4	8660.4	8695.3	8740.3	8785.2	8850.1
27.5°	8371.3	8361.4	8366.3	8386.2	8401.2	8441.0	8451.1	8486.0	8520.9	8560.7	8615.7
30°	7987.3	7977.4	7972.5	8007.4	8022.4	8052.1	8067.1	8127.1	8136.9	8181.8	8221.7
32.5°	7478.8	7473.8	7483.9	7513.6	7528.6	7568.6	7588.5	7623.4	7648.3	7673.3	7713.1
35°	6910.5	6900.4	6910.5	6940.5	6940.5	6975.3	6990.3	7005.1	7000.2	7005.1	6995.2
37.5°	6382.0	6376.9	6382.0	6396.8	6382.0	6396.8	6382.0	6352.1	6297.3	6237.4	6177.4
40°	5933.2	5938.1	5908.4	5928.3	5873.3	5863.4	5808.6	5733.7	5624.1	5504.5	5335.0
42.5°	5454.6	5439.7	5419.7	5429.6	5384.9	5349.8	5260.1	5165.5	5025.7	4826.4	4621.8
45°	4866.3	4861.3	4851.3	4846.4	4816.4	4781.5	4706.6	4597.0	4442.5	4238.1	3993.6
47.5°	4292.9	4277.9	4277.9	4282.8	4247.9	4243.0	4183.1	4088.5	3953.8	3754.4	3500.1
50°	3744.3	3739.4	3749.4	3769.3	3744.3	3734.5	3694.6	3629.8	3510.1	3340.6	3101.1
52.5°	3250.7	3245.8	3255.9	3280.7	3270.6	3280.7	3240.9	3191.0	3111.2	2946.6	2737.3
55°	2767.2	2767.2	2767.2	2797.0	2797.0	2797.0	2777.1	2747.3	2672.4	2552.8	2358.4
57.5°	2263.6	2268.5	2298.5	2303.4	2298.5	2308.6	2303.4	2273.5	2223.8	2139.0	1989.4
60°	1839.8	1839.8	1854.8	1869.8	1864.7	1869.8	1869.8	1854.8	1804.9	1735.2	1615.5
62.5°	1455.9	1470.8	1460.8	1470.8	1490.7	1470.8	1460.8	1450.9	1416.0	1371.1	1271.4
65°	1101.8	1111.9	1111.9	1116.8	1106.8	1111.9	1092.0	1077.0	1057.1	1007.2	942.4
67.5°	837.7	837.7	837.7	837.7	832.6	827.7	822.7	807.8	772.9	753.0	683.0
70°	643.2	613.2	613.2	613.2	613.2	618.3	603.4	583.5	573.4	538.5	488.6
72.5°	428.7	438.8	428.7	428.7	418.9	423.8	403.9	393.8	384.0	364.1	334.1
75°	309.1	284.2	294.1	299.2	284.2	294.1	274.2	254.3	254.3	239.3	224.3
77.5°	199.5	194.6	199.5	204.4	199.5	194.6	184.5	174.4	174.4	169.5	154.5
80°	144.7	139.6	139.6	139.6	134.6	139.6	129.7	129.7	119.6	114.7	104.7
82.5°	94.8	94.8	89.7	94.8	89.7	94.8	79.8	79.8	79.8	74.7	64.9
85°	64.9	54.8	54.8	59.9	49.9	59.9	54.8	49.9	44.9	44.9	39.8
87.5°	30.0	34.9	30.0	34.9	30.0	30.0	34.9	30.0	30.0	19.9	19.9
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: P248801

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1
2.5°	10161.2	10166.2	10166.2	10186.3	10196.1	10201.0	10201.0	10241.1	10226.1	10236.1	10246.0
5°	10016.7	10046.5	10056.6	10056.6	10111.4	10131.3	10151.2	10196.1	10201.0	10231.0	10265.9
7.5°	9877.0	9911.9	9932.0	9976.7	10011.6	10046.5	10106.4	10136.4	10166.2	10206.2	10250.9
10°	9742.4	9782.4	9822.2	9857.1	9911.9	9956.8	9996.6	10066.4	10101.5	10156.3	10216.0
12.5°	9612.9	9667.7	9702.6	9762.3	9822.2	9862.0	9921.9	9986.8	10041.6	10096.4	10166.2
15°	9498.1	9563.0	9602.8	9667.7	9732.5	9787.3	9852.2	9932.0	9971.8	10036.7	10101.5
17.5°	9373.4	9443.4	9493.2	9552.9	9632.8	9692.5	9747.5	9827.1	9877.0	9946.8	10021.7
20°	9243.9	9313.7	9373.4	9433.3	9513.1	9572.9	9637.7	9717.5	9772.3	9842.1	9902.0
22.5°	9089.3	9154.2	9218.8	9288.6	9368.4	9418.3	9493.2	9563.0	9622.7	9687.6	9747.5
25°	8889.9	8969.7	9019.6	9084.2	9149.1	9203.9	9283.7	9353.5	9403.3	9463.3	9518.1
27.5°	8655.5	8715.4	8755.2	8810.0	8874.9	8924.8	8984.5	9054.5	9104.3	9159.1	9198.9
30°	8256.5	8311.5	8346.4	8386.2	8451.1	8496.0	8545.9	8610.6	8645.4	8685.5	8720.4
32.5°	7733.0	7778.0	7797.9	7827.8	7872.8	7917.5	7957.5	8012.3	8027.3	8052.1	8052.1
35°	6975.3	6985.2	6980.3	6990.3	7010.2	7035.1	7069.9	7104.8	7124.7	7124.7	7110.0
37.5°	6087.7	6028.0	5963.2	5913.3	5898.3	5888.3	5908.4	5923.2	5943.3	5953.1	5928.3
40°	5165.5	5030.8	4886.2	4756.5	4666.8	4627.0	4612.0	4621.8	4621.8	4656.7	4656.7
42.5°	4372.7	4163.2	3948.9	3754.4	3624.7	3525.1	3480.2	3480.2	3485.1	3510.1	3525.1
45°	3714.5	3450.2	3200.9	2986.6	2807.0	2677.3	2617.6	2602.6	2597.7	2607.6	2642.5
47.5°	3210.9	2936.7	2677.3	2413.2	2223.8	2094.1	2039.3	2019.2	1999.3	2019.2	2024.3
50°	2817.1	2532.9	2258.7	1994.4	1794.9	1680.2	1610.4	1580.4	1575.5	1575.5	1585.6
52.5°	2458.0	2193.8	1919.7	1650.4	1440.9	1331.3	1266.4	1251.5	1231.5	1251.5	1251.5
55°	2118.9	1854.8	1585.6	1331.3	1156.6	1042.1	982.2	962.3	952.2	967.2	967.2
57.5°	1750.1	1525.6	1276.5	1047.0	872.6	792.8	747.8	723.0	717.9	727.9	717.9
60°	1435.9	1246.5	1032.1	822.7	688.1	603.4	568.5	558.4	548.4	558.4	558.4
62.5°	1136.7	977.3	802.6	643.2	528.5	468.7	428.7	428.7	423.8	423.8	428.7
65°	842.6	717.9	593.3	458.7	369.0	324.0	294.1	294.1	289.2	294.1	289.2
67.5°	613.2	528.5	428.7	334.1	264.3	239.3	219.4	204.4	214.5	204.4	199.5
70°	448.8	378.8	309.1	254.3	204.4	179.6	164.6	159.5	149.6	149.6	149.6
72.5°	299.2	254.3	209.3	164.6	134.6	109.6	104.7	94.8	84.8	89.7	99.7
75°	199.5	169.5	149.6	119.6	89.7	89.7	59.9	59.9	49.9	59.9	44.9
77.5°	139.6	114.7	89.7	74.7	59.9	54.8	39.8	39.8	34.9	34.9	34.9
80°	99.7	84.8	64.9	54.8	39.8	39.8	34.9	30.0	24.8	24.8	30.0
82.5°	59.9	44.9	44.9	39.8	24.8	19.9	15.0	19.9	10.1	10.1	10.1
85°	34.9	30.0	24.8	15.0	10.1	10.1	4.9	0.0	4.9	4.9	0.0
87.5°	19.9	10.1	10.1	4.9	0.0	4.9	4.9	0.0	0.0	0.0	10.1
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: P248801

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1
2.5°	10271.0	10265.9	10275.9	10275.9	10305.9	10300.8	10315.8	10315.8	10305.9	10310.8	10330.7
5°	10305.9	10320.9	10350.6	10375.7	10420.4	10440.5	10465.4	10490.4	10495.3	10510.3	10525.3
7.5°	10305.9	10355.8	10390.7	10435.4	10495.3	10530.2	10585.0	10630.0	10649.9	10674.7	10704.7
10°	10285.8	10335.7	10400.5	10450.4	10525.3	10580.1	10634.9	10704.7	10734.6	10774.4	10814.5
12.5°	10246.0	10300.8	10370.6	10435.4	10520.2	10570.0	10639.8	10704.7	10749.6	10804.4	10849.3
15°	10186.3	10250.9	10315.8	10380.6	10470.3	10530.2	10595.1	10669.8	10714.7	10774.4	10814.5
17.5°	10091.5	10161.2	10221.2	10280.9	10365.6	10435.4	10495.3	10565.1	10610.0	10659.9	10714.7
20°	9976.7	10041.6	10106.4	10156.3	10241.1	10300.8	10365.6	10430.5	10465.4	10475.4	10560.2
22.5°	9832.3	9877.0	9926.9	10006.7	10056.6	10111.4	10171.3	10231.0	10265.9	10320.9	10350.6
25°	9592.8	9637.7	9692.5	9727.4	9787.3	9832.3	9892.0	9956.8	9976.7	10016.7	10046.5
27.5°	9258.9	9283.7	9308.7	9338.5	9373.4	9398.4	9433.3	9463.3	9483.2	9503.1	9523.0
30°	8730.2	8730.2	8730.2	8710.3	8725.3	8740.3	8745.2	8740.3	8740.3	8735.3	8735.3
32.5°	8032.2	7992.4	7947.5	7907.7	7892.7	7872.8	7862.7	7847.7	7822.9	7807.9	7812.9
35°	7089.9	7000.2	6945.4	6895.5	6855.7	6825.7	6810.7	6795.8	6790.8	6770.9	6750.8
37.5°	5913.3	5848.5	5808.6	5778.7	5743.8	5713.8	5718.8	5723.9	5738.7	5728.8	5733.7
40°	4666.8	4651.8	4666.8	4631.9	4621.8	4631.9	4656.7	4691.8	4711.7	4731.6	4766.5
42.5°	3550.0	3574.8	3609.9	3609.9	3624.7	3644.8	3674.5	3729.5	3759.3	3794.2	3834.2
45°	2672.4	2702.4	2747.3	2762.1	2772.2	2797.0	2832.1	2876.8	2896.7	2926.7	2961.6
47.5°	2059.2	2079.1	2104.0	2129.0	2153.8	2163.9	2198.8	2198.8	2223.8	2243.7	2253.6
50°	1605.5	1625.4	1645.3	1660.3	1670.3	1685.3	1695.1	1710.1	1715.1	1725.1	1730.0
52.5°	1256.4	1281.4	1281.4	1291.3	1306.2	1321.2	1316.3	1321.2	1326.2	1326.2	1341.1
55°	982.2	982.2	997.2	997.2	1007.2	1002.1	1007.2	1007.2	1007.2	1007.2	1012.2
57.5°	732.9	738.0	753.0	742.9	738.0	747.8	738.0	747.8	742.9	753.0	738.0
60°	563.3	563.3	568.5	568.5	573.4	573.4	573.4	568.5	568.5	563.3	563.3
62.5°	423.8	428.7	433.8	428.7	428.7	428.7	423.8	423.8	418.9	413.7	413.7
65°	284.2	279.3	289.2	279.3	284.2	284.2	279.3	284.2	269.3	274.2	269.3
67.5°	204.4	199.5	194.6	199.5	194.6	189.4	189.4	194.6	199.5	184.5	184.5
70°	134.6	139.6	134.6	139.6	144.7	144.7	139.6	134.6	139.6	129.7	134.6
72.5°	84.8	84.8	84.8	84.8	84.8	89.7	89.7	89.7	79.8	79.8	74.7
75°	39.8	54.8	44.9	39.8	54.8	54.8	49.9	49.9	44.9	44.9	44.9
77.5°	39.8	30.0	30.0	30.0	30.0	30.0	30.0	30.0	24.8	30.0	24.8
80°	19.9	19.9	19.9	15.0	19.9	19.9	24.8	19.9	19.9	15.0	24.8
82.5°	10.1	10.1	10.1	0.0	4.9	10.1	10.1	4.9	10.1	10.1	4.9
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: P248801

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1
2.5°	10325.8	10320.9	10325.8	10330.7	10325.8	10320.9	10325.8	10330.7	10310.8	10305.9	10315.8
5°	10545.2	10545.2	10555.0	10560.2	10555.0	10545.2	10545.2	10525.3	10510.3	10495.3	10490.4
7.5°	10734.6	10744.7	10754.5	10759.5	10754.5	10744.7	10734.6	10704.7	10674.7	10649.9	10630.0
10°	10849.3	10864.3	10884.2	10894.1	10884.2	10864.3	10849.3	10814.5	10774.4	10734.6	10704.7
12.5°	10899.2	10914.2	10939.0	10934.1	10939.0	10914.2	10899.2	10849.3	10804.4	10749.6	10704.7
15°	10864.3	10884.2	10909.1	10919.1	10909.1	10884.2	10864.3	10814.5	10774.4	10714.7	10669.8
17.5°	10754.5	10784.5	10799.5	10814.5	10799.5	10784.5	10754.5	10714.7	10659.9	10610.0	10565.1
20°	10604.9	10625.0	10644.9	10649.9	10644.9	10625.0	10604.9	10560.2	10475.4	10465.4	10430.5
22.5°	10390.7	10405.6	10450.4	10435.4	10450.4	10405.6	10390.7	10350.6	10320.9	10265.9	10231.0
25°	10081.4	10096.4	10101.5	10106.4	10101.5	10096.4	10081.4	10046.5	10016.7	9976.7	9956.8
27.5°	9548.0	9548.0	9557.9	9563.0	9557.9	9548.0	9548.0	9523.0	9503.1	9483.2	9463.3
30°	8740.3	8740.3	8740.3	8765.3	8740.3	8740.3	8740.3	8735.3	8735.3	8740.3	8740.3
32.5°	7807.9	7797.9	7788.0	7797.9	7788.0	7797.9	7807.9	7812.9	7807.9	7822.9	7847.7
35°	6750.8	6745.9	6760.9	6741.0	6760.9	6745.9	6750.8	6750.8	6770.9	6790.8	6795.8
37.5°	5738.7	5728.8	5748.7	5728.8	5748.7	5728.8	5738.7	5733.7	5728.8	5738.7	5723.9
40°	4776.6	4786.4	4786.4	4826.4	4786.4	4786.4	4776.6	4766.5	4731.6	4711.7	4691.8
42.5°	3854.1	3884.1	3874.0	3904.0	3874.0	3884.1	3854.1	3834.2	3794.2	3759.3	3729.5
45°	2981.5	3001.6	3001.6	3011.4	3001.6	3001.6	2981.5	2961.6	2926.7	2896.7	2876.8
47.5°	2288.4	2288.4	2288.4	2293.6	2288.4	2288.4	2288.4	2253.6	2243.7	2223.8	2198.8
50°	1740.1	1745.0	1750.1	1755.1	1750.1	1745.0	1740.1	1730.0	1725.1	1715.1	1710.1
52.5°	1336.2	1341.1	1331.3	1341.1	1331.3	1341.1	1336.2	1341.1	1326.2	1326.2	1321.2
55°	1012.2	1007.2	1012.2	1017.1	1012.2	1007.2	1012.2	1012.2	1007.2	1007.2	1007.2
57.5°	742.9	732.9	732.9	732.9	732.9	732.9	742.9	738.0	753.0	742.9	747.8
60°	553.5	558.4	558.4	563.3	558.4	558.4	553.5	563.3	563.3	568.5	568.5
62.5°	408.8	423.8	413.7	423.8	413.7	423.8	408.8	413.7	413.7	418.9	423.8
65°	264.3	264.3	264.3	269.3	264.3	264.3	264.3	269.3	274.2	269.3	284.2
67.5°	179.6	184.5	194.6	189.4	194.6	184.5	179.6	184.5	184.5	199.5	194.6
70°	144.7	129.7	129.7	144.7	129.7	129.7	144.7	134.6	129.7	139.6	134.6
72.5°	84.8	74.7	84.8	84.8	84.8	74.7	84.8	74.7	79.8	79.8	89.7
75°	44.9	39.8	34.9	49.9	34.9	39.8	44.9	44.9	44.9	44.9	49.9
77.5°	30.0	24.8	34.9	34.9	34.9	24.8	30.0	24.8	30.0	24.8	30.0
80°	15.0	19.9	15.0	24.8	15.0	19.9	15.0	24.8	15.0	19.9	19.9
82.5°	4.9	10.1	10.1	10.1	10.1	10.1	4.9	4.9	10.1	10.1	4.9
85°	0.0	10.1	4.9	4.9	4.9	10.1	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	0.0	0.0	4.9	0.0	0.0	4.9	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: P248801

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1
2.5°	10315.8	10300.8	10305.9	10275.9	10275.9	10265.9	10271.0	10246.0	10236.1	10226.1	10241.1
5°	10465.4	10440.5	10420.4	10375.7	10350.6	10320.9	10305.9	10265.9	10231.0	10201.0	10196.1
7.5°	10585.0	10530.2	10495.3	10435.4	10390.7	10355.8	10305.9	10250.9	10206.2	10166.2	10136.4
10°	10634.9	10580.1	10525.3	10450.4	10400.5	10335.7	10285.8	10216.0	10156.3	10101.5	10066.4
12.5°	10639.8	10570.0	10520.2	10435.4	10370.6	10300.8	10246.0	10166.2	10096.4	10041.6	9986.8
15°	10595.1	10530.2	10470.3	10380.6	10315.8	10250.9	10186.3	10101.5	10036.7	9971.8	9932.0
17.5°	10495.3	10435.4	10365.6	10280.9	10221.2	10161.2	10091.5	10021.7	9946.8	9877.0	9827.1
20°	10365.6	10300.8	10241.1	10156.3	10106.4	10041.6	9976.7	9902.0	9842.1	9772.3	9717.5
22.5°	10171.3	10111.4	10056.6	10006.7	9926.9	9877.0	9832.3	9747.5	9687.6	9622.7	9563.0
25°	9892.0	9832.3	9787.3	9727.4	9692.5	9637.7	9592.8	9518.1	9463.3	9403.3	9353.5
27.5°	9433.3	9398.4	9373.4	9338.5	9308.7	9283.7	9258.9	9198.9	9159.1	9104.3	9054.5
30°	8745.2	8740.3	8725.3	8710.3	8730.2	8730.2	8730.2	8720.4	8685.5	8645.4	8610.6
32.5°	7862.7	7872.8	7892.7	7907.7	7947.5	7992.4	8032.2	8052.1	8052.1	8027.3	8012.3
35°	6810.7	6825.7	6855.7	6895.5	6945.4	7000.2	7089.9	7110.0	7124.7	7124.7	7104.8
37.5°	5718.8	5713.8	5743.8	5778.7	5808.6	5848.5	5913.3	5928.3	5953.1	5943.3	5923.2
40°	4656.7	4631.9	4621.8	4631.9	4666.8	4651.8	4666.8	4656.7	4656.7	4621.8	4621.8
42.5°	3674.5	3644.8	3624.7	3609.9	3609.9	3574.8	3550.0	3525.1	3510.1	3485.1	3480.2
45°	2832.1	2797.0	2772.2	2762.1	2747.3	2702.4	2672.4	2642.5	2607.6	2597.7	2602.6
47.5°	2198.8	2163.9	2153.8	2129.0	2104.0	2079.1	2059.2	2024.3	2019.2	1999.3	2019.2
50°	1695.1	1685.3	1670.3	1660.3	1645.3	1625.4	1605.5	1585.6	1575.5	1575.5	1580.4
52.5°	1316.3	1321.2	1306.2	1291.3	1281.4	1281.4	1256.4	1251.5	1251.5	1231.5	1251.5
55°	1007.2	1002.1	1007.2	997.2	997.2	982.2	982.2	967.2	967.2	952.2	962.3
57.5°	738.0	747.8	738.0	742.9	753.0	738.0	732.9	717.9	727.9	717.9	723.0
60°	573.4	573.4	573.4	568.5	568.5	563.3	563.3	558.4	558.4	548.4	558.4
62.5°	423.8	428.7	428.7	428.7	433.8	428.7	423.8	428.7	423.8	423.8	428.7
65°	279.3	284.2	284.2	279.3	289.2	279.3	284.2	289.2	294.1	289.2	294.1
67.5°	189.4	189.4	194.6	199.5	194.6	199.5	204.4	199.5	204.4	214.5	204.4
70°	139.6	144.7	144.7	139.6	134.6	139.6	134.6	149.6	149.6	149.6	159.5
72.5°	89.7	89.7	84.8	84.8	84.8	84.8	84.8	99.7	89.7	84.8	94.8
75°	49.9	54.8	54.8	39.8	44.9	54.8	39.8	44.9	59.9	49.9	59.9
77.5°	30.0	30.0	30.0	30.0	30.0	30.0	39.8	34.9	34.9	34.9	39.8
80°	24.8	19.9	19.9	15.0	19.9	19.9	19.9	30.0	24.8	24.8	30.0
82.5°	10.1	10.1	4.9	0.0	10.1	10.1	10.1	10.1	10.1	10.1	19.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	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: P248801

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1
2.5°	10201.0	10201.0	10196.1	10186.3	10166.2	10166.2	10161.2	10146.2	10136.4	10131.3	10131.3
5°	10151.2	10131.3	10111.4	10056.6	10056.6	10046.5	10016.7	9996.6	9986.8	9961.7	9951.9
7.5°	10106.4	10046.5	10011.6	9976.7	9932.0	9911.9	9877.0	9862.0	9827.1	9802.3	9787.3
10°	9996.6	9956.8	9911.9	9857.1	9822.2	9782.4	9742.4	9712.6	9667.7	9642.6	9622.7
12.5°	9921.9	9862.0	9822.2	9762.3	9702.6	9667.7	9612.9	9578.0	9533.0	9483.2	9453.2
15°	9852.2	9787.3	9732.5	9667.7	9602.8	9563.0	9498.1	9458.3	9393.5	9343.6	9308.7
17.5°	9747.5	9692.5	9632.8	9552.9	9493.2	9443.4	9373.4	9323.7	9263.8	9198.9	9164.0
20°	9637.7	9572.9	9513.1	9433.3	9373.4	9313.7	9243.9	9189.1	9119.1	9059.4	9019.6
22.5°	9493.2	9418.3	9368.4	9288.6	9218.8	9154.2	9089.3	9024.5	8959.6	8909.8	8864.8
25°	9283.7	9203.9	9149.1	9084.2	9019.6	8969.7	8889.9	8850.1	8785.2	8740.3	8695.3
27.5°	8984.5	8924.8	8874.9	8810.0	8755.2	8715.4	8655.5	8615.7	8560.7	8520.9	8486.0
30°	8545.9	8496.0	8451.1	8386.2	8346.4	8311.5	8256.5	8221.7	8181.8	8136.9	8127.1
32.5°	7957.5	7917.5	7872.8	7827.8	7797.9	7778.0	7733.0	7713.1	7673.3	7648.3	7623.4
35°	7069.9	7035.1	7010.2	6990.3	6980.3	6985.2	6975.3	6995.2	7005.1	7000.2	7005.1
37.5°	5908.4	5888.3	5898.3	5913.3	5963.2	6028.0	6087.7	6177.4	6237.4	6297.3	6352.1
40°	4612.0	4627.0	4666.8	4756.5	4886.2	5030.8	5165.5	5335.0	5504.5	5624.1	5733.7
42.5°	3480.2	3525.1	3624.7	3754.4	3948.9	4163.2	4372.7	4621.8	4826.4	5025.7	5165.5
45°	2617.6	2677.3	2807.0	2986.6	3200.9	3450.2	3714.5	3993.6	4238.1	4442.5	4597.0
47.5°	2039.3	2094.1	2223.8	2413.2	2677.3	2936.7	3210.9	3500.1	3754.4	3953.8	4088.5
50°	1610.4	1680.2	1794.9	1994.4	2258.7	2532.9	2817.1	3101.1	3340.6	3510.1	3629.8
52.5°	1266.4	1331.3	1440.9	1650.4	1919.7	2193.8	2458.0	2737.3	2946.6	3111.2	3191.0
55°	982.2	1042.1	1156.6	1331.3	1585.6	1854.8	2118.9	2358.4	2552.8	2672.4	2747.3
57.5°	747.8	792.8	872.6	1047.0	1276.5	1525.6	1750.1	1989.4	2139.0	2223.8	2273.5
60°	568.5	603.4	688.1	822.7	1032.1	1246.5	1435.9	1615.5	1735.2	1804.9	1854.8
62.5°	428.7	468.7	528.5	643.2	802.6	977.3	1136.7	1271.4	1371.1	1416.0	1450.9
65°	294.1	324.0	369.0	458.7	593.3	717.9	842.6	942.4	1007.2	1057.1	1077.0
67.5°	219.4	239.3	264.3	334.1	428.7	528.5	613.2	683.0	753.0	772.9	807.8
70°	164.6	179.6	204.4	254.3	309.1	378.8	448.8	488.6	538.5	573.4	583.5
72.5°	104.7	109.6	134.6	164.6	209.3	254.3	299.2	334.1	364.1	384.0	393.8
75°	59.9	89.7	89.7	119.6	149.6	169.5	199.5	224.3	239.3	254.3	254.3
77.5°	39.8	54.8	59.9	74.7	89.7	114.7	139.6	154.5	169.5	174.4	174.4
80°	34.9	39.8	39.8	54.8	64.9	84.8	99.7	104.7	114.7	119.6	129.7
82.5°	15.0	19.9	24.8	39.8	44.9	44.9	59.9	64.9	74.7	79.8	79.8
85°	4.9	10.1	10.1	15.0	24.8	30.0	34.9	39.8	44.9	44.9	49.9
87.5°	4.9	4.9	0.0	4.9	10.1	10.1	19.9	19.9	19.9	30.0	30.0
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: P248801

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1	10211.1
2.5°	10121.4	10126.3	10106.4	10101.5	10091.5	10096.4	10106.4
5°	9936.9	9941.8	9921.9	9902.0	9902.0	9896.9	9902.0
7.5°	9762.3	9767.4	9737.4	9727.4	9707.5	9712.6	9712.6
10°	9587.8	9587.8	9543.1	9538.0	9523.0	9518.1	9518.1
12.5°	9418.3	9403.3	9368.4	9348.5	9358.6	9328.6	9328.6
15°	9268.7	9243.9	9198.9	9184.0	9159.1	9149.1	9149.1
17.5°	9114.2	9094.3	9054.5	9024.5	8994.5	8989.6	8994.5
20°	8964.6	8944.7	8894.8	8874.9	8850.1	8850.1	8840.0
22.5°	8815.0	8795.1	8750.3	8735.3	8700.4	8700.4	8705.4
25°	8660.4	8645.4	8595.6	8585.7	8580.8	8560.7	8570.7
27.5°	8451.1	8441.0	8401.2	8386.2	8366.3	8361.4	8371.3
30°	8067.1	8052.1	8022.4	8007.4	7972.5	7977.4	7987.3
32.5°	7588.5	7568.6	7528.6	7513.6	7483.9	7473.8	7478.8
35°	6990.3	6975.3	6940.5	6940.5	6910.5	6900.4	6910.5
37.5°	6382.0	6396.8	6382.0	6396.8	6382.0	6376.9	6382.0
40°	5808.6	5863.4	5873.3	5928.3	5908.4	5938.1	5933.2
42.5°	5260.1	5349.8	5384.9	5429.6	5419.7	5439.7	5454.6
45°	4706.6	4781.5	4816.4	4846.4	4851.3	4861.3	4866.3
47.5°	4183.1	4243.0	4247.9	4282.8	4277.9	4277.9	4292.9
50°	3694.6	3734.5	3744.3	3769.3	3749.4	3739.4	3744.3
52.5°	3240.9	3280.7	3270.6	3280.7	3255.9	3245.8	3250.7
55°	2777.1	2797.0	2797.0	2797.0	2767.2	2767.2	2767.2
57.5°	2303.4	2308.6	2298.5	2303.4	2298.5	2268.5	2263.6
60°	1869.8	1869.8	1864.7	1869.8	1854.8	1839.8	1839.8
62.5°	1460.8	1470.8	1490.7	1470.8	1460.8	1470.8	1455.9
65°	1092.0	1111.9	1106.8	1116.8	1111.9	1111.9	1101.8
67.5°	822.7	827.7	832.6	837.7	837.7	837.7	837.7
70°	603.4	618.3	613.2	613.2	613.2	613.2	643.2
72.5°	403.9	423.8	418.9	428.7	428.7	438.8	428.7
75°	274.2	294.1	284.2	299.2	294.1	284.2	309.1
77.5°	184.5	194.6	199.5	204.4	199.5	194.6	199.5
80°	129.7	139.6	134.6	139.6	139.6	139.6	144.7
82.5°	79.8	94.8	89.7	94.8	89.7	94.8	94.8
85°	54.8	59.9	49.9	59.9	54.8	54.8	64.9
87.5°	34.9	30.0	30.0	34.9	30.0	34.9	30.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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