

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: P248720

Luminaire Tested: **LD8B175D010 ER8B175935 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248720
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15511.0 lumens
Efficiency: N/A
Efficacy: 87.5 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

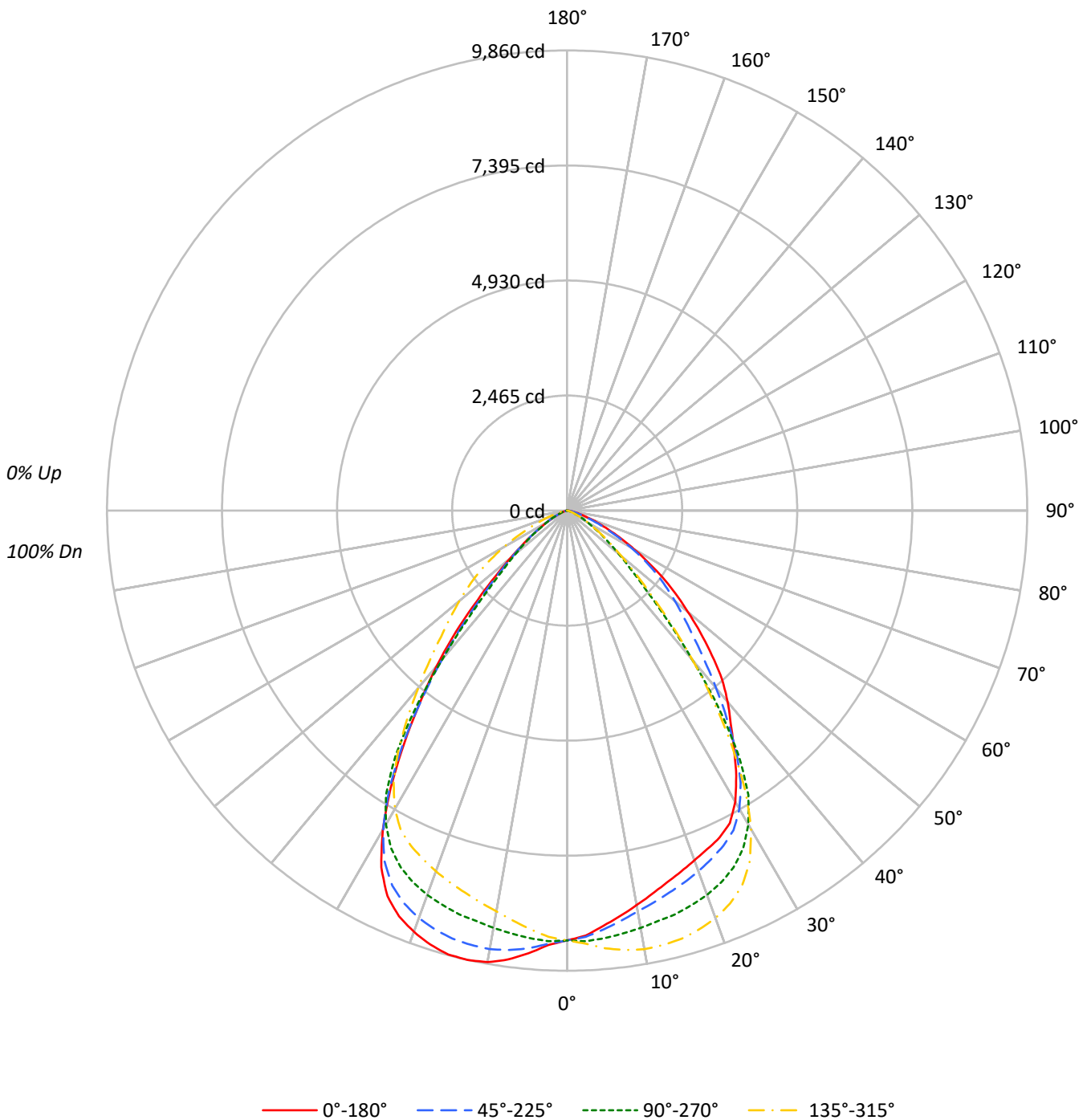
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

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°	283953	283953	283953	283953
5°	276411	284620	294782	284620
10°	268764	284247	307619	284247
15°	263393	285935	314353	285935
20°	261600	287570	315162	287570
25°	262976	286993	310096	286993
30°	256475	276486	281457	276486
35°	234595	241194	228839	241194
40°	215383	167778	175205	167778
45°	191374	102355	118429	102355
50°	161985	68371	75927	68371
55°	134162	46654	49310	46654
60°	102327	31058	31330	31058
65°	72498	19350	17716	19350
70°	52292	12965	11766	12965
75°	33205	6434	5361	6434
80°	23174	4795	3978	4795
85°	20698	0	1557	0



TEST NUMBER: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.5	5.7
10°-20°	2538.1	16.4
20°-30°	3843.2	24.8
30°-40°	3851.8	24.8
40°-50°	2418.7	15.6
50°-60°	1288.9	8.3
60°-70°	530.0	3.4
70°-80°	140.0	0.9
80°-90°	23.7	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°	7257.7	46.8
0°-40°	11109.6	71.6
0°-60°	14817.2	95.5
0°-90°	15511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15511.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9208	9208	9208	9208	9208	
5°	8930	9195	9523	9195	8930	842
15°	8251	8957	9847	8957	8251	2334
25°	7729	8435	9114	8435	7729	3545
35°	6232	6407	6079	6407	6232	3904
45°	4388	2347	2716	2347	4388	3375
55°	2496	868	917	868	2496	2225
65°	994	265	243	265	994	1031
75°	279	54	45	54	279	316
85°	58	0	4	0	58	64
90°	0	0	0	0	0	



TEST NUMBER: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4
2.5°	9114.0	9104.9	9100.5	9109.6	9114.0	9132.0	9127.5	9136.4	9136.4	9141.0	9149.9
5°	8929.7	8925.0	8929.7	8929.7	8947.6	8965.6	8961.1	8974.6	8983.5	9006.1	9015.0
7.5°	8758.9	8758.9	8754.2	8772.2	8781.2	8808.3	8803.6	8826.2	8839.7	8862.1	8893.6
10°	8583.4	8583.4	8587.8	8601.4	8606.0	8646.3	8646.3	8677.8	8695.7	8718.3	8758.9
12.5°	8412.6	8412.6	8439.6	8430.5	8448.5	8480.0	8493.5	8524.9	8551.9	8596.9	8637.4
15°	8250.6	8250.6	8259.7	8282.1	8295.6	8336.2	8358.5	8394.6	8426.1	8471.1	8529.5
17.5°	8111.3	8106.8	8111.3	8138.3	8165.3	8201.2	8219.2	8264.2	8295.6	8354.1	8408.1
20°	7971.9	7981.0	7981.0	8003.4	8021.3	8066.3	8084.3	8133.9	8169.8	8223.6	8286.7
22.5°	7850.5	7846.1	7846.1	7877.5	7891.1	7931.4	7949.4	7994.3	8034.9	8079.8	8138.3
25°	7729.1	7720.0	7738.2	7742.6	7751.5	7796.5	7810.0	7841.5	7882.0	7922.5	7981.0
27.5°	7549.2	7540.3	7544.8	7562.7	7576.2	7612.2	7621.2	7652.7	7684.1	7720.0	7769.6
30°	7203.0	7194.1	7189.6	7221.1	7234.6	7261.4	7275.0	7329.0	7337.9	7378.4	7414.3
32.5°	6744.4	6739.9	6749.0	6775.8	6789.3	6825.4	6843.4	6874.8	6897.2	6919.8	6955.7
35°	6231.9	6222.8	6231.9	6258.9	6258.9	6290.4	6303.9	6317.2	6312.8	6317.2	6308.3
37.5°	5755.3	5750.7	5755.3	5768.7	5755.3	5768.7	5755.3	5728.3	5678.9	5624.9	5570.8
40°	5350.6	5355.0	5328.2	5346.1	5296.5	5287.7	5238.2	5170.7	5071.9	4964.0	4811.1
42.5°	4919.0	4905.5	4887.5	4896.4	4856.1	4824.4	4743.6	4658.2	4532.2	4352.5	4168.0
45°	4388.4	4384.0	4374.9	4370.5	4343.4	4312.0	4244.4	4145.6	4006.2	3821.9	3601.5
47.5°	3871.3	3857.8	3857.8	3862.2	3830.8	3826.3	3772.3	3687.0	3565.6	3385.7	3156.4
50°	3376.6	3372.2	3381.2	3399.2	3376.6	3367.7	3331.8	3273.3	3165.5	3012.6	2796.6
52.5°	2931.5	2927.1	2936.2	2958.5	2949.5	2958.5	2922.6	2877.7	2805.7	2657.2	2468.5
55°	2495.5	2495.5	2495.5	2522.3	2522.3	2522.3	2504.4	2477.5	2410.0	2302.1	2126.8
57.5°	2041.3	2045.8	2072.8	2077.2	2072.8	2081.9	2077.2	2050.2	2005.4	1929.0	1794.1
60°	1659.2	1659.2	1672.7	1686.2	1681.6	1686.2	1686.2	1672.7	1627.7	1564.8	1456.9
62.5°	1312.9	1326.4	1317.3	1326.4	1344.4	1326.4	1317.3	1308.5	1277.0	1236.5	1146.5
65°	993.6	1002.7	1002.7	1007.2	998.1	1002.7	984.8	971.3	953.3	908.3	849.8
67.5°	755.5	755.5	755.5	755.5	750.8	746.4	741.9	728.4	697.0	679.0	615.9
70°	580.0	553.0	553.0	553.0	553.0	557.6	544.1	526.2	517.1	485.6	440.7
72.5°	386.6	395.7	386.6	386.6	377.7	382.2	364.2	355.2	346.3	328.3	301.3
75°	278.7	256.3	265.2	269.8	256.3	265.2	247.3	229.3	229.3	215.8	202.3
77.5°	179.9	175.4	179.9	184.3	179.9	175.4	166.4	157.3	157.3	152.9	139.4
80°	130.5	125.8	125.8	125.8	121.4	125.8	117.0	117.0	107.9	103.5	94.4
82.5°	85.5	85.5	80.9	85.5	80.9	85.5	72.0	72.0	72.0	67.4	58.5
85°	58.5	49.4	49.4	54.0	45.0	54.0	49.4	45.0	40.5	40.5	35.9
87.5°	27.0	31.5	27.0	31.5	27.0	27.0	31.5	27.0	27.0	18.0	18.0
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: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4
2.5°	9163.4	9167.9	9167.9	9186.0	9194.9	9199.3	9199.3	9235.4	9221.9	9231.0	9239.9
5°	9033.1	9060.0	9069.0	9069.0	9118.4	9136.4	9154.3	9194.9	9199.3	9226.3	9257.8
7.5°	8907.1	8938.6	8956.7	8997.0	9028.5	9060.0	9114.0	9141.0	9167.9	9203.9	9244.3
10°	8785.7	8821.8	8857.7	8889.1	8938.6	8979.1	9015.0	9077.9	9109.6	9159.0	9212.8
12.5°	8668.9	8718.3	8749.8	8803.6	8857.7	8893.6	8947.6	9006.1	9055.5	9104.9	9167.9
15°	8565.5	8623.9	8659.8	8718.3	8776.8	8826.2	8884.7	8956.7	8992.6	9051.1	9109.6
17.5°	8452.9	8516.0	8561.0	8614.9	8686.9	8740.7	8790.3	8862.1	8907.1	8970.0	9037.6
20°	8336.2	8399.1	8452.9	8507.0	8579.0	8632.8	8691.3	8763.3	8812.7	8875.6	8929.7
22.5°	8196.8	8255.3	8313.6	8376.5	8448.5	8493.5	8561.0	8623.9	8677.8	8736.3	8790.3
25°	8016.9	8088.9	8133.9	8192.2	8250.6	8300.1	8372.1	8435.0	8480.0	8534.0	8583.4
27.5°	7805.6	7859.6	7895.5	7944.9	8003.4	8048.4	8102.2	8165.3	8210.3	8259.7	8295.6
30°	7445.8	7495.4	7526.8	7562.7	7621.2	7661.8	7706.7	7765.0	7796.5	7832.6	7864.0
32.5°	6973.7	7014.2	7032.1	7059.2	7099.7	7140.0	7176.1	7225.5	7239.0	7261.4	7261.4
35°	6290.4	6299.3	6294.8	6303.9	6321.8	6344.2	6375.7	6407.2	6425.1	6425.1	6411.8
37.5°	5489.9	5436.1	5377.6	5332.6	5319.1	5310.1	5328.2	5341.5	5359.7	5368.5	5346.1
40°	4658.2	4536.8	4406.4	4289.4	4208.5	4172.6	4159.1	4168.0	4168.0	4199.4	4199.4
42.5°	3943.3	3754.3	3561.1	3385.7	3268.7	3179.0	3138.4	3138.4	3142.9	3165.5	3179.0
45°	3349.8	3111.4	2886.6	2693.3	2531.4	2414.4	2360.6	2347.1	2342.6	2351.5	2383.0
47.5°	2895.6	2648.4	2414.4	2176.2	2005.4	1888.5	1839.0	1820.9	1803.0	1820.9	1825.5
50°	2540.5	2284.1	2036.9	1798.5	1618.6	1515.2	1452.3	1425.2	1420.8	1420.8	1429.9
52.5°	2216.6	1978.4	1731.2	1488.3	1299.4	1200.6	1142.1	1128.6	1110.6	1128.6	1128.6
55°	1910.9	1672.7	1429.9	1200.6	1043.1	939.8	885.7	867.8	858.7	872.2	872.2
57.5°	1578.3	1375.8	1151.1	944.2	786.9	714.9	674.4	652.0	647.4	656.4	647.4
60°	1294.9	1124.1	930.7	741.9	620.5	544.1	512.6	503.6	494.5	503.6	503.6
62.5°	1025.1	881.3	723.8	580.0	476.6	422.7	386.6	386.6	382.2	382.2	386.6
65°	759.9	647.4	535.0	413.6	332.8	292.2	265.2	265.2	260.8	265.2	260.8
67.5°	553.0	476.6	386.6	301.3	238.4	215.8	197.8	184.3	193.4	184.3	179.9
70°	404.8	341.6	278.7	229.3	184.3	161.9	148.4	143.8	134.9	134.9	134.9
72.5°	269.8	229.3	188.8	148.4	121.4	98.8	94.4	85.5	76.4	80.9	89.9
75°	179.9	152.9	134.9	107.9	80.9	80.9	54.0	54.0	45.0	54.0	40.5
77.5°	125.8	103.5	80.9	67.4	54.0	49.4	35.9	35.9	31.5	31.5	31.5
80°	89.9	76.4	58.5	49.4	35.9	35.9	31.5	27.0	22.4	22.4	27.0
82.5°	54.0	40.5	40.5	35.9	22.4	18.0	13.5	18.0	9.1	9.1	9.1
85°	31.5	27.0	22.4	13.5	9.1	9.1	4.4	0.0	4.4	4.4	0.0
87.5°	18.0	9.1	9.1	4.4	0.0	4.4	4.4	0.0	0.0	0.0	9.1
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: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4
2.5°	9262.4	9257.8	9266.9	9266.9	9293.9	9289.3	9302.8	9302.8	9293.9	9298.3	9316.3
5°	9293.9	9307.4	9334.2	9356.8	9397.2	9415.3	9437.7	9460.3	9464.7	9478.2	9491.7
7.5°	9293.9	9338.9	9370.3	9410.7	9464.7	9496.2	9545.6	9586.1	9604.1	9626.5	9653.5
10°	9275.8	9320.7	9379.2	9424.2	9491.7	9541.1	9590.6	9653.5	9680.5	9716.4	9752.5
12.5°	9239.9	9289.3	9352.2	9410.7	9487.1	9532.1	9595.0	9653.5	9694.0	9743.4	9784.0
15°	9186.0	9244.3	9302.8	9361.3	9442.1	9496.2	9554.7	9622.0	9662.6	9716.4	9752.5
17.5°	9100.5	9163.4	9217.5	9271.3	9347.7	9410.7	9464.7	9527.6	9568.2	9613.1	9662.6
20°	8997.0	9055.5	9114.0	9159.0	9235.4	9289.3	9347.7	9406.2	9437.7	9446.8	9523.2
22.5°	8866.7	8907.1	8952.1	9024.1	9069.0	9118.4	9172.5	9226.3	9257.8	9307.4	9334.2
25°	8650.8	8691.3	8740.7	8772.2	8826.2	8866.7	8920.6	8979.1	8997.0	9033.1	9060.0
27.5°	8349.7	8372.1	8394.6	8421.5	8452.9	8475.5	8507.0	8534.0	8551.9	8569.9	8587.8
30°	7872.9	7872.9	7872.9	7855.0	7868.5	7882.0	7886.4	7882.0	7882.0	7877.5	7877.5
32.5°	7243.5	7207.6	7167.1	7131.2	7117.6	7099.7	7090.6	7077.1	7054.7	7041.2	7045.7
35°	6393.6	6312.8	6263.4	6218.4	6182.5	6155.5	6141.9	6128.4	6124.0	6106.0	6087.9
37.5°	5332.6	5274.2	5238.2	5211.2	5179.8	5152.7	5157.2	5161.8	5175.1	5166.3	5170.7
40°	4208.5	4195.0	4208.5	4177.1	4168.0	4177.1	4199.4	4231.1	4249.0	4267.0	4298.5
42.5°	3201.4	3223.8	3255.4	3255.4	3268.7	3286.9	3313.7	3363.3	3390.1	3421.6	3457.7
45°	2410.0	2437.0	2477.5	2490.9	2499.9	2522.3	2554.0	2594.3	2612.3	2639.3	2670.8
47.5°	1857.0	1875.0	1897.3	1919.9	1942.3	1951.4	1982.9	1982.9	2005.4	2023.4	2032.3
50°	1447.8	1465.8	1483.7	1497.2	1506.3	1519.8	1528.7	1542.2	1546.6	1555.7	1560.1
52.5°	1133.0	1155.6	1155.6	1164.5	1178.0	1191.5	1187.0	1191.5	1195.9	1195.9	1209.4
55°	885.7	885.7	899.3	899.3	908.3	903.7	908.3	908.3	908.3	908.3	912.8
57.5°	660.9	665.5	679.0	670.0	665.5	674.4	665.5	674.4	670.0	679.0	665.5
60°	508.0	508.0	512.6	512.6	517.1	517.1	517.1	512.6	512.6	508.0	508.0
62.5°	382.2	386.6	391.2	386.6	386.6	386.6	382.2	382.2	377.7	373.1	373.1
65°	256.3	251.9	260.8	251.9	256.3	256.3	251.9	256.3	242.8	247.3	242.8
67.5°	184.3	179.9	175.4	179.9	175.4	170.8	170.8	175.4	179.9	166.4	166.4
70°	121.4	125.8	121.4	125.8	130.5	130.5	125.8	121.4	125.8	117.0	121.4
72.5°	76.4	76.4	76.4	76.4	76.4	80.9	80.9	80.9	72.0	72.0	67.4
75°	35.9	49.4	40.5	35.9	49.4	49.4	45.0	45.0	40.5	40.5	40.5
77.5°	35.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	22.4	27.0	22.4
80°	18.0	18.0	18.0	13.5	18.0	18.0	22.4	18.0	18.0	13.5	22.4
82.5°	9.1	9.1	9.1	0.0	4.4	9.1	9.1	4.4	9.1	9.1	4.4
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: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4
2.5°	9311.8	9307.4	9311.8	9316.3	9311.8	9307.4	9311.8	9316.3	9298.3	9293.9	9302.8
5°	9509.7	9509.7	9518.6	9523.2	9518.6	9509.7	9509.7	9491.7	9478.2	9464.7	9460.3
7.5°	9680.5	9689.6	9698.5	9702.9	9698.5	9689.6	9680.5	9653.5	9626.5	9604.1	9586.1
10°	9784.0	9797.5	9815.4	9824.3	9815.4	9797.5	9784.0	9752.5	9716.4	9680.5	9653.5
12.5°	9828.9	9842.4	9864.8	9860.4	9864.8	9842.4	9828.9	9784.0	9743.4	9694.0	9653.5
15°	9797.5	9815.4	9837.8	9846.9	9837.8	9815.4	9797.5	9752.5	9716.4	9662.6	9622.0
17.5°	9698.5	9725.5	9739.0	9752.5	9739.0	9725.5	9698.5	9662.6	9613.1	9568.2	9527.6
20°	9563.5	9581.7	9599.6	9604.1	9599.6	9581.7	9563.5	9523.2	9446.8	9437.7	9406.2
22.5°	9370.3	9383.8	9424.2	9410.7	9424.2	9383.8	9370.3	9334.2	9307.4	9257.8	9226.3
25°	9091.4	9104.9	9109.6	9114.0	9109.6	9104.9	9091.4	9060.0	9033.1	8997.0	8979.1
27.5°	8610.4	8610.4	8619.3	8623.9	8619.3	8610.4	8610.4	8587.8	8569.9	8551.9	8534.0
30°	7882.0	7882.0	7882.0	7904.6	7882.0	7882.0	7882.0	7877.5	7877.5	7882.0	7882.0
32.5°	7041.2	7032.1	7023.3	7032.1	7023.3	7032.1	7041.2	7045.7	7041.2	7054.7	7077.1
35°	6087.9	6083.5	6097.0	6079.0	6097.0	6083.5	6087.9	6087.9	6106.0	6124.0	6128.4
37.5°	5175.1	5166.3	5184.2	5166.3	5184.2	5166.3	5175.1	5170.7	5166.3	5175.1	5161.8
40°	4307.5	4316.4	4316.4	4352.5	4316.4	4316.4	4307.5	4298.5	4267.0	4249.0	4231.1
42.5°	3475.6	3502.7	3493.6	3520.6	3493.6	3502.7	3475.6	3457.7	3421.6	3390.1	3363.3
45°	2688.7	2706.8	2706.8	2715.7	2706.8	2706.8	2688.7	2670.8	2639.3	2612.3	2594.3
47.5°	2063.7	2063.7	2063.7	2068.4	2063.7	2063.7	2063.7	2032.3	2023.4	2005.4	1982.9
50°	1569.2	1573.7	1578.3	1582.7	1578.3	1573.7	1569.2	1560.1	1555.7	1546.6	1542.2
52.5°	1205.0	1209.4	1200.6	1209.4	1200.6	1209.4	1205.0	1209.4	1195.9	1195.9	1191.5
55°	912.8	908.3	912.8	917.2	912.8	908.3	912.8	912.8	908.3	908.3	908.3
57.5°	670.0	660.9	660.9	660.9	660.9	660.9	670.0	665.5	679.0	670.0	674.4
60°	499.1	503.6	503.6	508.0	503.6	503.6	499.1	508.0	508.0	512.6	512.6
62.5°	368.7	382.2	373.1	382.2	373.1	382.2	368.7	373.1	373.1	377.7	382.2
65°	238.4	238.4	238.4	242.8	238.4	238.4	238.4	242.8	247.3	242.8	256.3
67.5°	161.9	166.4	175.4	170.8	175.4	166.4	161.9	166.4	166.4	179.9	175.4
70°	130.5	117.0	117.0	130.5	117.0	117.0	130.5	121.4	117.0	125.8	121.4
72.5°	76.4	67.4	76.4	76.4	76.4	67.4	76.4	67.4	72.0	72.0	80.9
75°	40.5	35.9	31.5	45.0	31.5	35.9	40.5	40.5	40.5	40.5	45.0
77.5°	27.0	22.4	31.5	31.5	31.5	22.4	27.0	22.4	27.0	22.4	27.0
80°	13.5	18.0	13.5	22.4	13.5	18.0	13.5	22.4	13.5	18.0	18.0
82.5°	4.4	9.1	9.1	9.1	9.1	9.1	4.4	4.4	9.1	9.1	4.4
85°	0.0	9.1	4.4	4.4	4.4	9.1	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	0.0	0.0	4.4	0.0	0.0	4.4	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: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4
2.5°	9302.8	9289.3	9293.9	9266.9	9266.9	9257.8	9262.4	9239.9	9231.0	9221.9	9235.4
5°	9437.7	9415.3	9397.2	9356.8	9334.2	9307.4	9293.9	9257.8	9226.3	9199.3	9194.9
7.5°	9545.6	9496.2	9464.7	9410.7	9370.3	9338.9	9293.9	9244.3	9203.9	9167.9	9141.0
10°	9590.6	9541.1	9491.7	9424.2	9379.2	9320.7	9275.8	9212.8	9159.0	9109.6	9077.9
12.5°	9595.0	9532.1	9487.1	9410.7	9352.2	9289.3	9239.9	9167.9	9104.9	9055.5	9006.1
15°	9554.7	9496.2	9442.1	9361.3	9302.8	9244.3	9186.0	9109.6	9051.1	8992.6	8956.7
17.5°	9464.7	9410.7	9347.7	9271.3	9217.5	9163.4	9100.5	9037.6	8970.0	8907.1	8862.1
20°	9347.7	9289.3	9235.4	9159.0	9114.0	9055.5	8997.0	8929.7	8875.6	8812.7	8763.3
22.5°	9172.5	9118.4	9069.0	9024.1	8952.1	8907.1	8866.7	8790.3	8736.3	8677.8	8623.9
25°	8920.6	8866.7	8826.2	8772.2	8740.7	8691.3	8650.8	8583.4	8534.0	8480.0	8435.0
27.5°	8507.0	8475.5	8452.9	8421.5	8394.6	8372.1	8349.7	8295.6	8259.7	8210.3	8165.3
30°	7886.4	7882.0	7868.5	7855.0	7872.9	7872.9	7872.9	7864.0	7832.6	7796.5	7765.0
32.5°	7090.6	7099.7	7117.6	7131.2	7167.1	7207.6	7243.5	7261.4	7261.4	7239.0	7225.5
35°	6141.9	6155.5	6182.5	6218.4	6263.4	6312.8	6393.6	6411.8	6425.1	6425.1	6407.2
37.5°	5157.2	5152.7	5179.8	5211.2	5238.2	5274.2	5332.6	5346.1	5368.5	5359.7	5341.5
40°	4199.4	4177.1	4168.0	4177.1	4208.5	4195.0	4208.5	4199.4	4199.4	4168.0	4168.0
42.5°	3313.7	3286.9	3268.7	3255.4	3255.4	3223.8	3201.4	3179.0	3165.5	3142.9	3138.4
45°	2554.0	2522.3	2499.9	2490.9	2477.5	2437.0	2410.0	2383.0	2351.5	2342.6	2347.1
47.5°	1982.9	1951.4	1942.3	1919.9	1897.3	1875.0	1857.0	1825.5	1820.9	1803.0	1820.9
50°	1528.7	1519.8	1506.3	1497.2	1483.7	1465.8	1447.8	1429.9	1420.8	1420.8	1425.2
52.5°	1187.0	1191.5	1178.0	1164.5	1155.6	1155.6	1133.0	1128.6	1128.6	1110.6	1128.6
55°	908.3	903.7	908.3	899.3	899.3	885.7	885.7	872.2	872.2	858.7	867.8
57.5°	665.5	674.4	665.5	670.0	679.0	665.5	660.9	647.4	656.4	647.4	652.0
60°	517.1	517.1	517.1	512.6	512.6	508.0	508.0	503.6	503.6	494.5	503.6
62.5°	382.2	386.6	386.6	386.6	391.2	386.6	382.2	386.6	382.2	382.2	386.6
65°	251.9	256.3	256.3	251.9	260.8	251.9	256.3	260.8	265.2	260.8	265.2
67.5°	170.8	170.8	175.4	179.9	175.4	179.9	184.3	179.9	184.3	193.4	184.3
70°	125.8	130.5	130.5	125.8	121.4	125.8	121.4	134.9	134.9	134.9	143.8
72.5°	80.9	80.9	76.4	76.4	76.4	76.4	76.4	89.9	80.9	76.4	85.5
75°	45.0	49.4	49.4	35.9	40.5	49.4	35.9	40.5	54.0	45.0	54.0
77.5°	27.0	27.0	27.0	27.0	27.0	27.0	35.9	31.5	31.5	31.5	35.9
80°	22.4	18.0	18.0	13.5	18.0	18.0	18.0	27.0	22.4	22.4	27.0
82.5°	9.1	9.1	4.4	0.0	9.1	9.1	9.1	9.1	9.1	9.1	18.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	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: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4
2.5°	9199.3	9199.3	9194.9	9186.0	9167.9	9167.9	9163.4	9149.9	9141.0	9136.4	9136.4
5°	9154.3	9136.4	9118.4	9069.0	9069.0	9060.0	9033.1	9015.0	9006.1	8983.5	8974.6
7.5°	9114.0	9060.0	9028.5	8997.0	8956.7	8938.6	8907.1	8893.6	8862.1	8839.7	8826.2
10°	9015.0	8979.1	8938.6	8889.1	8857.7	8821.8	8785.7	8758.9	8718.3	8695.7	8677.8
12.5°	8947.6	8893.6	8857.7	8803.6	8749.8	8718.3	8668.9	8637.4	8596.9	8551.9	8524.9
15°	8884.7	8826.2	8776.8	8718.3	8659.8	8623.9	8565.5	8529.5	8471.1	8426.1	8394.6
17.5°	8790.3	8740.7	8686.9	8614.9	8561.0	8516.0	8452.9	8408.1	8354.1	8295.6	8264.2
20°	8691.3	8632.8	8579.0	8507.0	8452.9	8399.1	8336.2	8286.7	8223.6	8169.8	8133.9
22.5°	8561.0	8493.5	8448.5	8376.5	8313.6	8255.3	8196.8	8138.3	8079.8	8034.9	7994.3
25°	8372.1	8300.1	8250.6	8192.2	8133.9	8088.9	8016.9	7981.0	7922.5	7882.0	7841.5
27.5°	8102.2	8048.4	8003.4	7944.9	7895.5	7859.6	7805.6	7769.6	7720.0	7684.1	7652.7
30°	7706.7	7661.8	7621.2	7562.7	7526.8	7495.4	7445.8	7414.3	7378.4	7337.9	7329.0
32.5°	7176.1	7140.0	7099.7	7059.2	7032.1	7014.2	6973.7	6955.7	6919.8	6897.2	6874.8
35°	6375.7	6344.2	6321.8	6303.9	6294.8	6299.3	6290.4	6308.3	6317.2	6312.8	6317.2
37.5°	5328.2	5310.1	5319.1	5332.6	5377.6	5436.1	5489.9	5570.8	5624.9	5678.9	5728.3
40°	4159.1	4172.6	4208.5	4289.4	4406.4	4536.8	4658.2	4811.1	4964.0	5071.9	5170.7
42.5°	3138.4	3179.0	3268.7	3385.7	3561.1	3754.3	3943.3	4168.0	4352.5	4532.2	4658.2
45°	2360.6	2414.4	2531.4	2693.3	2886.6	3111.4	3349.8	3601.5	3821.9	4006.2	4145.6
47.5°	1839.0	1888.5	2005.4	2176.2	2414.4	2648.4	2895.6	3156.4	3385.7	3565.6	3687.0
50°	1452.3	1515.2	1618.6	1798.5	2036.9	2284.1	2540.5	2796.6	3012.6	3165.5	3273.3
52.5°	1142.1	1200.6	1299.4	1488.3	1731.2	1978.4	2216.6	2468.5	2657.2	2805.7	2877.7
55°	885.7	939.8	1043.1	1200.6	1429.9	1672.7	1910.9	2126.8	2302.1	2410.0	2477.5
57.5°	674.4	714.9	786.9	944.2	1151.1	1375.8	1578.3	1794.1	1929.0	2005.4	2050.2
60°	512.6	544.1	620.5	741.9	930.7	1124.1	1294.9	1456.9	1564.8	1627.7	1672.7
62.5°	386.6	422.7	476.6	580.0	723.8	881.3	1025.1	1146.5	1236.5	1277.0	1308.5
65°	265.2	292.2	332.8	413.6	535.0	647.4	759.9	849.8	908.3	953.3	971.3
67.5°	197.8	215.8	238.4	301.3	386.6	476.6	553.0	615.9	679.0	697.0	728.4
70°	148.4	161.9	184.3	229.3	278.7	341.6	404.8	440.7	485.6	517.1	526.2
72.5°	94.4	98.8	121.4	148.4	188.8	229.3	269.8	301.3	328.3	346.3	355.2
75°	54.0	80.9	80.9	107.9	134.9	152.9	179.9	202.3	215.8	229.3	229.3
77.5°	35.9	49.4	54.0	67.4	80.9	103.5	125.8	139.4	152.9	157.3	157.3
80°	31.5	35.9	35.9	49.4	58.5	76.4	89.9	94.4	103.5	107.9	117.0
82.5°	13.5	18.0	22.4	35.9	40.5	40.5	54.0	58.5	67.4	72.0	72.0
85°	4.4	9.1	9.1	13.5	22.4	27.0	31.5	35.9	40.5	40.5	45.0
87.5°	4.4	4.4	0.0	4.4	9.1	9.1	18.0	18.0	18.0	27.0	27.0
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: P248720

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4	9208.4
2.5°	9127.5	9132.0	9114.0	9109.6	9100.5	9104.9	9114.0
5°	8961.1	8965.6	8947.6	8929.7	8929.7	8925.0	8929.7
7.5°	8803.6	8808.3	8781.2	8772.2	8754.2	8758.9	8758.9
10°	8646.3	8646.3	8606.0	8601.4	8587.8	8583.4	8583.4
12.5°	8493.5	8480.0	8448.5	8430.5	8439.6	8412.6	8412.6
15°	8358.5	8336.2	8295.6	8282.1	8259.7	8250.6	8250.6
17.5°	8219.2	8201.2	8165.3	8138.3	8111.3	8106.8	8111.3
20°	8084.3	8066.3	8021.3	8003.4	7981.0	7981.0	7971.9
22.5°	7949.4	7931.4	7891.1	7877.5	7846.1	7846.1	7850.5
25°	7810.0	7796.5	7751.5	7742.6	7738.2	7720.0	7729.1
27.5°	7621.2	7612.2	7576.2	7562.7	7544.8	7540.3	7549.2
30°	7275.0	7261.4	7234.6	7221.1	7189.6	7194.1	7203.0
32.5°	6843.4	6825.4	6789.3	6775.8	6749.0	6739.9	6744.4
35°	6303.9	6290.4	6258.9	6258.9	6231.9	6222.8	6231.9
37.5°	5755.3	5768.7	5755.3	5768.7	5755.3	5750.7	5755.3
40°	5238.2	5287.7	5296.5	5346.1	5328.2	5355.0	5350.6
42.5°	4743.6	4824.4	4856.1	4896.4	4887.5	4905.5	4919.0
45°	4244.4	4312.0	4343.4	4370.5	4374.9	4384.0	4388.4
47.5°	3772.3	3826.3	3830.8	3862.2	3857.8	3857.8	3871.3
50°	3331.8	3367.7	3376.6	3399.2	3381.2	3372.2	3376.6
52.5°	2922.6	2958.5	2949.5	2958.5	2936.2	2927.1	2931.5
55°	2504.4	2522.3	2522.3	2522.3	2495.5	2495.5	2495.5
57.5°	2077.2	2081.9	2072.8	2077.2	2072.8	2045.8	2041.3
60°	1686.2	1686.2	1681.6	1686.2	1672.7	1659.2	1659.2
62.5°	1317.3	1326.4	1344.4	1326.4	1317.3	1326.4	1312.9
65°	984.8	1002.7	998.1	1007.2	1002.7	1002.7	993.6
67.5°	741.9	746.4	750.8	755.5	755.5	755.5	755.5
70°	544.1	557.6	553.0	553.0	553.0	553.0	580.0
72.5°	364.2	382.2	377.7	386.6	386.6	395.7	386.6
75°	247.3	265.2	256.3	269.8	265.2	256.3	278.7
77.5°	166.4	175.4	179.9	184.3	179.9	175.4	179.9
80°	117.0	125.8	121.4	125.8	125.8	125.8	130.5
82.5°	72.0	85.5	80.9	85.5	80.9	85.5	85.5
85°	49.4	54.0	45.0	54.0	49.4	49.4	58.5
87.5°	31.5	27.0	27.0	31.5	27.0	31.5	27.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)