

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: P248630

Luminaire Tested: **LD8B175D010 ER8B175950 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248630
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16921.0 lumens
Efficiency: N/A
Efficacy: 95.5 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

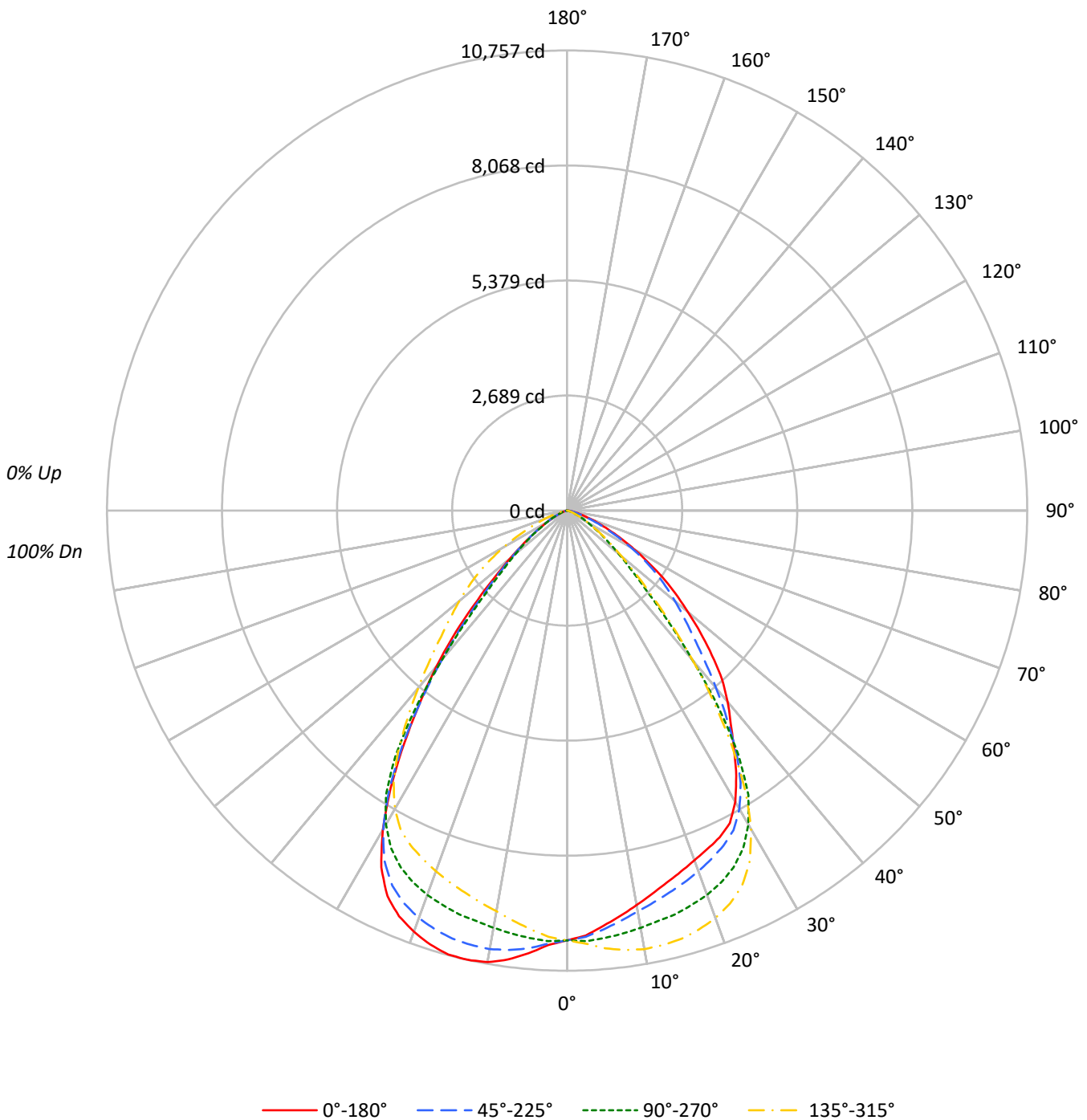
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248630

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0H

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°	309766	309766	309766	309766
5°	301536	310491	321579	310491
10°	293196	310086	335583	310086
15°	287339	311927	342929	311927
20°	285382	313711	343809	313711
25°	286881	313080	338285	313080
30°	279787	301621	307040	301621
35°	255920	263118	249641	263118
40°	234962	183031	191134	183031
45°	208770	111657	129196	111657
50°	176713	74588	82830	74588
55°	146355	50896	53794	50896
60°	111627	33883	34179	33883
65°	79094	21109	19328	21109
70°	57044	14146	12830	14146
75°	36231	7029	5850	7029
80°	25270	5239	4333	5239
85°	22573	0	1698	0



TEST NUMBER: P248630

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.1	5.7
10°-20°	2768.8	16.4
20°-30°	4192.6	24.8
30°-40°	4202.0	24.8
40°-50°	2638.6	15.6
50°-60°	1406.1	8.3
60°-70°	578.2	3.4
70°-80°	152.8	0.9
80°-90°	25.8	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°	7917.5	46.8
0°-40°	12119.4	71.6
0°-60°	16164.2	95.5
0°-90°	16921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16921.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10046	10046	10046	10046	10046	
5°	9741	10031	10389	10031	9741	919
15°	9001	9771	10742	9771	9001	2546
25°	8432	9202	9942	9202	8432	3867
35°	6798	6990	6632	6990	6798	4259
45°	4787	2560	2963	2560	4787	3682
55°	2722	947	1001	947	2722	2427
65°	1084	289	265	289	1084	1124
75°	304	59	49	59	304	345
85°	64	0	5	0	64	70
90°	0	0	0	0	0	



TEST NUMBER: P248630

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5
2.5°	9942.5	9932.6	9927.8	9937.7	9942.5	9962.1	9957.2	9966.9	9966.9	9972.0	9981.7
5°	9741.4	9736.4	9741.4	9741.4	9761.0	9780.6	9775.7	9790.5	9800.2	9824.8	9834.5
7.5°	9555.1	9555.1	9550.0	9569.6	9579.5	9609.0	9603.9	9628.5	9643.3	9667.7	9702.0
10°	9363.7	9363.7	9368.5	9383.2	9388.3	9432.3	9432.3	9466.6	9486.2	9510.8	9555.1
12.5°	9177.3	9177.3	9206.8	9196.9	9216.5	9250.8	9265.5	9299.9	9329.3	9378.4	9422.6
15°	9000.7	9000.7	9010.6	9035.0	9049.7	9093.9	9118.4	9157.7	9192.1	9241.1	9304.9
17.5°	8848.6	8843.8	8848.6	8878.1	8907.6	8946.8	8966.3	9015.4	9049.7	9113.5	9172.5
20°	8696.6	8706.5	8706.5	8730.9	8750.5	8799.6	8819.2	8873.3	8912.4	8971.2	9040.0
22.5°	8564.2	8559.3	8559.3	8593.6	8608.4	8652.4	8672.0	8721.0	8765.2	8814.3	8878.1
25°	8431.7	8421.8	8441.6	8446.5	8456.1	8505.2	8519.9	8554.3	8598.5	8642.7	8706.5
27.5°	8235.5	8225.8	8230.6	8250.2	8265.0	8304.1	8314.0	8348.3	8382.7	8421.8	8475.9
30°	7857.7	7848.0	7843.2	7877.5	7892.3	7921.5	7936.3	7995.2	8004.9	8049.1	8088.3
32.5°	7357.4	7352.6	7362.5	7391.8	7406.5	7445.9	7465.5	7499.8	7524.2	7548.8	7588.0
35°	6798.4	6788.5	6798.4	6827.9	6827.9	6862.2	6876.9	6891.5	6886.6	6891.5	6881.8
37.5°	6278.5	6273.5	6278.5	6293.1	6278.5	6293.1	6278.5	6249.0	6195.1	6136.2	6077.2
40°	5837.0	5841.8	5812.5	5832.1	5778.0	5768.3	5714.4	5640.7	5532.9	5415.2	5248.4
42.5°	5366.2	5351.4	5331.8	5341.5	5297.5	5263.0	5174.8	5081.7	4944.2	4748.2	4546.9
45°	4787.3	4782.5	4772.6	4767.7	4738.3	4703.9	4630.2	4522.4	4370.4	4169.3	3928.9
47.5°	4223.2	4208.5	4208.5	4213.3	4179.0	4174.2	4115.2	4022.1	3889.7	3693.5	3443.3
50°	3683.6	3678.7	3688.6	3708.2	3683.6	3673.9	3634.7	3570.9	3453.2	3286.4	3050.8
52.5°	3198.0	3193.2	3203.1	3227.5	3217.6	3227.5	3188.3	3139.3	3060.7	2898.8	2692.9
55°	2722.3	2722.3	2722.3	2751.6	2751.6	2751.6	2732.0	2702.8	2629.1	2511.4	2320.2
57.5°	2226.9	2231.7	2261.2	2266.1	2261.2	2271.1	2266.1	2236.6	2187.7	2104.3	1957.2
60°	1810.0	1810.0	1824.7	1839.5	1834.4	1839.5	1839.5	1824.7	1775.7	1707.0	1589.3
62.5°	1432.2	1447.0	1437.1	1447.0	1466.6	1447.0	1437.1	1427.4	1393.1	1348.9	1250.7
65°	1084.0	1093.9	1093.9	1098.7	1088.8	1093.9	1074.3	1059.5	1040.0	990.9	927.1
67.5°	824.1	824.1	824.1	824.1	819.1	814.2	809.4	794.7	760.3	740.8	671.9
70°	632.7	603.3	603.3	603.3	603.3	608.3	593.6	574.0	564.1	529.8	480.7
72.5°	421.8	431.7	421.8	421.8	412.1	416.9	397.3	387.4	377.7	358.2	328.7
75°	304.1	279.6	289.3	294.4	279.6	289.3	269.7	250.1	250.1	235.4	220.7
77.5°	196.2	191.4	196.2	201.1	196.2	191.4	181.5	171.6	171.6	166.8	152.0
80°	142.3	137.3	137.3	137.3	132.4	137.3	127.6	127.6	117.7	112.9	103.0
82.5°	93.3	93.3	88.2	93.3	88.2	93.3	78.5	78.5	78.5	73.5	63.8
85°	63.8	53.9	53.9	59.0	49.1	59.0	53.9	49.1	44.2	44.2	39.2
87.5°	29.5	34.3	29.5	34.3	29.5	29.5	34.3	29.5	29.5	19.6	19.6
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: P248630

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5
2.5°	9996.4	10001.2	10001.2	10021.0	10030.7	10035.6	10035.6	10074.9	10060.2	10070.1	10079.8
5°	9854.3	9883.5	9893.4	9893.4	9947.3	9966.9	9986.5	10030.7	10035.6	10065.0	10099.4
7.5°	9716.8	9751.1	9770.9	9814.9	9849.2	9883.5	9942.5	9972.0	10001.2	10040.6	10084.6
10°	9584.3	9623.7	9662.9	9697.2	9751.1	9795.3	9834.5	9903.1	9937.7	9991.6	10050.3
12.5°	9456.9	9510.8	9545.2	9603.9	9662.9	9702.0	9761.0	9824.8	9878.7	9932.6	10001.2
15°	9344.1	9407.9	9447.0	9510.8	9574.6	9628.5	9692.3	9770.9	9810.1	9873.9	9937.7
17.5°	9221.3	9290.2	9339.2	9398.0	9476.5	9535.3	9589.4	9667.7	9716.8	9785.4	9859.1
20°	9093.9	9162.6	9221.3	9280.3	9358.8	9417.6	9481.4	9559.9	9613.8	9682.5	9741.4
22.5°	8941.9	9005.7	9069.3	9137.9	9216.5	9265.5	9339.2	9407.9	9466.6	9530.4	9589.4
25°	8745.7	8824.2	8873.3	8936.9	9000.7	9054.6	9133.1	9201.7	9250.8	9309.8	9363.7
27.5°	8515.1	8574.1	8613.2	8667.1	8730.9	8780.0	8838.7	8907.6	8956.6	9010.6	9049.7
30°	8122.6	8176.7	8211.0	8250.2	8314.0	8358.2	8407.3	8470.9	8505.2	8544.6	8578.9
32.5°	7607.6	7651.8	7671.4	7700.9	7745.1	7789.1	7828.5	7882.4	7897.1	7921.5	7921.5
35°	6862.2	6871.9	6867.0	6876.9	6896.5	6920.9	6955.3	6989.6	7009.2	7009.2	6994.6
37.5°	5989.0	5930.2	5866.4	5817.4	5802.6	5792.8	5812.5	5827.1	5846.9	5856.6	5832.1
40°	5081.7	4949.2	4806.9	4679.3	4591.1	4551.9	4537.2	4546.9	4546.9	4581.2	4581.2
42.5°	4301.8	4095.6	3884.9	3693.5	3565.9	3467.9	3423.7	3423.7	3428.6	3453.2	3467.9
45°	3654.3	3394.3	3148.9	2938.2	2761.5	2633.9	2575.2	2560.4	2555.6	2565.3	2599.6
47.5°	3158.8	2889.1	2633.9	2374.1	2187.7	2060.1	2006.2	1986.4	1966.9	1986.4	1991.5
50°	2771.4	2491.8	2222.1	1962.0	1765.8	1652.9	1584.3	1554.8	1549.9	1549.9	1559.8
52.5°	2418.1	2158.3	1888.5	1623.6	1417.5	1309.7	1245.9	1231.2	1211.6	1231.2	1231.2
55°	2084.6	1824.7	1559.8	1309.7	1137.9	1025.2	966.3	946.7	936.8	951.5	951.5
57.5°	1721.8	1500.9	1255.8	1030.1	858.5	779.9	735.7	711.3	706.2	716.1	706.2
60°	1412.7	1226.3	1015.3	809.4	677.0	593.6	559.2	549.4	539.5	549.4	549.4
62.5°	1118.3	961.4	789.6	632.7	519.9	461.1	421.8	421.8	416.9	416.9	421.8
65°	829.0	706.2	583.7	451.2	363.0	318.8	289.3	289.3	284.5	289.3	284.5
67.5°	603.3	519.9	421.8	328.7	260.0	235.4	215.8	201.1	211.0	201.1	196.2
70°	441.5	372.7	304.1	250.1	201.1	176.7	161.9	156.9	147.2	147.2	147.2
72.5°	294.4	250.1	205.9	161.9	132.4	107.8	103.0	93.3	83.4	88.2	98.1
75°	196.2	166.8	147.2	117.7	88.2	88.2	59.0	59.0	49.1	59.0	44.2
77.5°	137.3	112.9	88.2	73.5	59.0	53.9	39.2	39.2	34.3	34.3	34.3
80°	98.1	83.4	63.8	53.9	39.2	39.2	34.3	29.5	24.4	24.4	29.5
82.5°	59.0	44.2	44.2	39.2	24.4	19.6	14.7	19.6	9.9	9.9	9.9
85°	34.3	29.5	24.4	14.7	9.9	9.9	4.8	0.0	4.8	4.8	0.0
87.5°	19.6	9.9	9.9	4.8	0.0	4.8	4.8	0.0	0.0	0.0	9.9
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: P248630

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5
2.5°	10104.4	10099.4	10109.3	10109.3	10138.7	10133.7	10148.4	10148.4	10138.7	10143.6	10163.2
5°	10138.7	10153.5	10182.8	10207.4	10251.4	10271.2	10295.6	10320.2	10325.1	10339.8	10354.6
7.5°	10138.7	10187.8	10222.1	10266.1	10325.1	10359.4	10413.3	10457.5	10477.1	10501.5	10531.0
10°	10119.0	10168.0	10231.8	10280.9	10354.6	10408.5	10462.4	10531.0	10560.5	10599.7	10639.0
12.5°	10079.8	10133.7	10202.3	10266.1	10349.5	10398.6	10467.2	10531.0	10575.2	10629.1	10673.4
15°	10021.0	10084.6	10148.4	10212.2	10300.5	10359.4	10423.2	10496.7	10540.9	10599.7	10639.0
17.5°	9927.8	9996.4	10055.4	10114.1	10197.5	10266.1	10325.1	10393.7	10437.9	10487.0	10540.9
20°	9814.9	9878.7	9942.5	9991.6	10074.9	10133.7	10197.5	10261.3	10295.6	10305.5	10388.9
22.5°	9672.8	9716.8	9765.8	9844.4	9893.4	9947.3	10006.3	10065.0	10099.4	10153.5	10182.8
25°	9437.2	9481.4	9535.3	9569.6	9628.5	9672.8	9731.5	9795.3	9814.9	9854.3	9883.5
27.5°	9108.7	9133.1	9157.7	9187.0	9221.3	9246.0	9280.3	9309.8	9329.3	9348.9	9368.5
30°	8588.6	8588.6	8588.6	8569.0	8583.7	8598.5	8603.3	8598.5	8598.5	8593.6	8593.6
32.5°	7901.9	7862.8	7818.6	7779.4	7764.7	7745.1	7735.2	7720.4	7696.0	7681.3	7686.1
35°	6974.8	6886.6	6832.7	6783.7	6744.5	6715.0	6700.3	6685.5	6680.7	6661.1	6641.3
37.5°	5817.4	5753.6	5714.4	5684.9	5650.6	5621.1	5626.0	5631.0	5645.6	5635.9	5640.7
40°	4591.1	4576.3	4591.1	4556.8	4546.9	4556.8	4581.2	4615.7	4635.3	4654.9	4689.2
42.5°	3492.4	3516.8	3551.3	3551.3	3565.9	3585.6	3614.9	3669.0	3698.3	3732.6	3772.0
45°	2629.1	2658.5	2702.8	2717.3	2727.2	2751.6	2786.1	2830.2	2849.7	2879.2	2913.5
47.5°	2025.8	2045.4	2069.8	2094.5	2118.9	2128.8	2163.1	2163.1	2187.7	2207.3	2217.0
50°	1579.4	1599.0	1618.6	1633.3	1643.2	1658.0	1667.6	1682.4	1687.2	1697.1	1702.0
52.5°	1236.0	1260.6	1260.6	1270.3	1285.1	1299.8	1295.0	1299.8	1304.6	1304.6	1319.4
55°	966.3	966.3	981.0	981.0	990.9	985.9	990.9	990.9	990.9	990.9	995.7
57.5°	721.0	726.0	740.8	730.9	726.0	735.7	726.0	735.7	730.9	740.8	726.0
60°	554.2	554.2	559.2	559.2	564.1	564.1	564.1	559.2	559.2	554.2	554.2
62.5°	416.9	421.8	426.8	421.8	421.8	421.8	416.9	416.9	412.1	407.0	407.0
65°	279.6	274.8	284.5	274.8	279.6	279.6	274.8	279.6	264.9	269.7	264.9
67.5°	201.1	196.2	191.4	196.2	191.4	186.3	186.3	191.4	196.2	181.5	181.5
70°	132.4	137.3	132.4	137.3	142.3	142.3	137.3	132.4	137.3	127.6	132.4
72.5°	83.4	83.4	83.4	83.4	83.4	88.2	88.2	88.2	78.5	78.5	73.5
75°	39.2	53.9	44.2	39.2	53.9	53.9	49.1	49.1	44.2	44.2	44.2
77.5°	39.2	29.5	29.5	29.5	29.5	29.5	29.5	29.5	24.4	29.5	24.4
80°	19.6	19.6	19.6	14.7	19.6	19.6	24.4	19.6	19.6	14.7	24.4
82.5°	9.9	9.9	9.9	0.0	4.8	9.9	9.9	4.8	9.9	9.9	4.8
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: P248630

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5
2.5°	10158.3	10153.5	10158.3	10163.2	10158.3	10153.5	10158.3	10163.2	10143.6	10138.7	10148.4
5°	10374.1	10374.1	10383.8	10388.9	10383.8	10374.1	10374.1	10354.6	10339.8	10325.1	10320.2
7.5°	10560.5	10570.4	10580.1	10584.9	10580.1	10570.4	10560.5	10531.0	10501.5	10477.1	10457.5
10°	10673.4	10688.1	10707.7	10717.4	10707.7	10688.1	10673.4	10639.0	10599.7	10560.5	10531.0
12.5°	10722.4	10737.2	10761.6	10756.7	10761.6	10737.2	10722.4	10673.4	10629.1	10575.2	10531.0
15°	10688.1	10707.7	10732.1	10742.0	10732.1	10707.7	10688.1	10639.0	10599.7	10540.9	10496.7
17.5°	10580.1	10609.6	10624.3	10639.0	10624.3	10609.6	10580.1	10540.9	10487.0	10437.9	10393.7
20°	10432.9	10452.7	10472.3	10477.1	10472.3	10452.7	10432.9	10388.9	10305.5	10295.6	10261.3
22.5°	10222.1	10236.9	10280.9	10266.1	10280.9	10236.9	10222.1	10182.8	10153.5	10099.4	10065.0
25°	9917.9	9932.6	9937.7	9942.5	9937.7	9932.6	9917.9	9883.5	9854.3	9814.9	9795.3
27.5°	9393.1	9393.1	9402.8	9407.9	9402.8	9393.1	9393.1	9368.5	9348.9	9329.3	9309.8
30°	8598.5	8598.5	8598.5	8623.1	8598.5	8598.5	8598.5	8593.6	8593.6	8598.5	8598.5
32.5°	7681.3	7671.4	7661.7	7671.4	7661.7	7671.4	7681.3	7686.1	7681.3	7696.0	7720.4
35°	6641.3	6636.5	6651.2	6631.6	6651.2	6636.5	6641.3	6641.3	6661.1	6680.7	6685.5
37.5°	5645.6	5635.9	5655.5	5635.9	5655.5	5635.9	5645.6	5640.7	5635.9	5645.6	5631.0
40°	4699.1	4708.8	4708.8	4748.2	4708.8	4708.8	4699.1	4689.2	4654.9	4635.3	4615.7
42.5°	3791.6	3821.1	3811.2	3840.6	3811.2	3821.1	3791.6	3772.0	3732.6	3698.3	3669.0
45°	2933.1	2952.9	2952.9	2962.6	2952.9	2952.9	2933.1	2913.5	2879.2	2849.7	2830.2
47.5°	2251.3	2251.3	2251.3	2256.4	2251.3	2251.3	2251.3	2217.0	2207.3	2187.7	2163.1
50°	1711.9	1716.7	1721.8	1726.6	1721.8	1716.7	1711.9	1702.0	1697.1	1687.2	1682.4
52.5°	1314.5	1319.4	1309.7	1319.4	1309.7	1319.4	1314.5	1319.4	1304.6	1304.6	1299.8
55°	995.7	990.9	995.7	1000.6	995.7	990.9	995.7	995.7	990.9	990.9	990.9
57.5°	730.9	721.0	721.0	721.0	721.0	721.0	730.9	726.0	740.8	730.9	735.7
60°	544.5	549.4	549.4	554.2	549.4	549.4	544.5	554.2	554.2	559.2	559.2
62.5°	402.2	416.9	407.0	416.9	407.0	416.9	402.2	407.0	407.0	412.1	416.9
65°	260.0	260.0	260.0	264.9	260.0	260.0	260.0	264.9	269.7	264.9	279.6
67.5°	176.7	181.5	191.4	186.3	191.4	181.5	176.7	181.5	181.5	196.2	191.4
70°	142.3	127.6	127.6	142.3	127.6	127.6	142.3	132.4	127.6	137.3	132.4
72.5°	83.4	73.5	83.4	83.4	83.4	73.5	83.4	73.5	78.5	78.5	88.2
75°	44.2	39.2	34.3	49.1	34.3	39.2	44.2	44.2	44.2	44.2	49.1
77.5°	29.5	24.4	34.3	34.3	34.3	24.4	29.5	24.4	29.5	24.4	29.5
80°	14.7	19.6	14.7	24.4	14.7	19.6	14.7	24.4	14.7	19.6	19.6
82.5°	4.8	9.9	9.9	9.9	9.9	9.9	4.8	4.8	9.9	9.9	4.8
85°	0.0	9.9	4.8	4.8	4.8	9.9	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	0.0	0.0	4.8	0.0	0.0	4.8	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: P248630

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5
2.5°	10148.4	10133.7	10138.7	10109.3	10109.3	10099.4	10104.4	10079.8	10070.1	10060.2	10074.9
5°	10295.6	10271.2	10251.4	10207.4	10182.8	10153.5	10138.7	10099.4	10065.0	10035.6	10030.7
7.5°	10413.3	10359.4	10325.1	10266.1	10222.1	10187.8	10138.7	10084.6	10040.6	10001.2	9972.0
10°	10462.4	10408.5	10354.6	10280.9	10231.8	10168.0	10119.0	10050.3	9991.6	9937.7	9903.1
12.5°	10467.2	10398.6	10349.5	10266.1	10202.3	10133.7	10079.8	10001.2	9932.6	9878.7	9824.8
15°	10423.2	10359.4	10300.5	10212.2	10148.4	10084.6	10021.0	9937.7	9873.9	9810.1	9770.9
17.5°	10325.1	10266.1	10197.5	10114.1	10055.4	9996.4	9927.8	9859.1	9785.4	9716.8	9667.7
20°	10197.5	10133.7	10074.9	9991.6	9942.5	9878.7	9814.9	9741.4	9682.5	9613.8	9559.9
22.5°	10006.3	9947.3	9893.4	9844.4	9765.8	9716.8	9672.8	9589.4	9530.4	9466.6	9407.9
25°	9731.5	9672.8	9628.5	9569.6	9535.3	9481.4	9437.2	9363.7	9309.8	9250.8	9201.7
27.5°	9280.3	9246.0	9221.3	9187.0	9157.7	9133.1	9108.7	9049.7	9010.6	8956.6	8907.6
30°	8603.3	8598.5	8583.7	8569.0	8588.6	8588.6	8588.6	8578.9	8544.6	8505.2	8470.9
32.5°	7735.2	7745.1	7764.7	7779.4	7818.6	7862.8	7901.9	7921.5	7921.5	7897.1	7882.4
35°	6700.3	6715.0	6744.5	6783.7	6832.7	6886.6	6974.8	6994.6	7009.2	7009.2	6989.6
37.5°	5626.0	5621.1	5650.6	5684.9	5714.4	5753.6	5817.4	5832.1	5856.6	5846.9	5827.1
40°	4581.2	4556.8	4546.9	4556.8	4591.1	4576.3	4591.1	4581.2	4581.2	4546.9	4546.9
42.5°	3614.9	3585.6	3565.9	3551.3	3551.3	3516.8	3492.4	3467.9	3453.2	3428.6	3423.7
45°	2786.1	2751.6	2727.2	2717.3	2702.8	2658.5	2629.1	2599.6	2565.3	2555.6	2560.4
47.5°	2163.1	2128.8	2118.9	2094.5	2069.8	2045.4	2025.8	1991.5	1986.4	1966.9	1986.4
50°	1667.6	1658.0	1643.2	1633.3	1618.6	1599.0	1579.4	1559.8	1549.9	1549.9	1554.8
52.5°	1295.0	1299.8	1285.1	1270.3	1260.6	1260.6	1236.0	1231.2	1231.2	1211.6	1231.2
55°	990.9	985.9	990.9	981.0	981.0	966.3	966.3	951.5	951.5	936.8	946.7
57.5°	726.0	735.7	726.0	730.9	740.8	726.0	721.0	706.2	716.1	706.2	711.3
60°	564.1	564.1	564.1	559.2	559.2	554.2	554.2	549.4	549.4	539.5	549.4
62.5°	416.9	421.8	421.8	421.8	426.8	421.8	416.9	421.8	416.9	416.9	421.8
65°	274.8	279.6	279.6	274.8	284.5	274.8	279.6	284.5	289.3	284.5	289.3
67.5°	186.3	186.3	191.4	196.2	191.4	196.2	201.1	196.2	201.1	211.0	201.1
70°	137.3	142.3	142.3	137.3	132.4	137.3	132.4	147.2	147.2	147.2	156.9
72.5°	88.2	88.2	83.4	83.4	83.4	83.4	83.4	98.1	88.2	83.4	93.3
75°	49.1	53.9	53.9	39.2	44.2	53.9	39.2	44.2	59.0	49.1	59.0
77.5°	29.5	29.5	29.5	29.5	29.5	29.5	39.2	34.3	34.3	34.3	39.2
80°	24.4	19.6	19.6	14.7	19.6	19.6	19.6	29.5	24.4	24.4	29.5
82.5°	9.9	9.9	4.8	0.0	9.9	9.9	9.9	9.9	9.9	9.9	19.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	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: P248630

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5
2.5°	10035.6	10035.6	10030.7	10021.0	10001.2	10001.2	9996.4	9981.7	9972.0	9966.9	9966.9
5°	9986.5	9966.9	9947.3	9893.4	9893.4	9883.5	9854.3	9834.5	9824.8	9800.2	9790.5
7.5°	9942.5	9883.5	9849.2	9814.9	9770.9	9751.1	9716.8	9702.0	9667.7	9643.3	9628.5
10°	9834.5	9795.3	9751.1	9697.2	9662.9	9623.7	9584.3	9555.1	9510.8	9486.2	9466.6
12.5°	9761.0	9702.0	9662.9	9603.9	9545.2	9510.8	9456.9	9422.6	9378.4	9329.3	9299.9
15°	9692.3	9628.5	9574.6	9510.8	9447.0	9407.9	9344.1	9304.9	9241.1	9192.1	9157.7
17.5°	9589.4	9535.3	9476.5	9398.0	9339.2	9290.2	9221.3	9172.5	9113.5	9049.7	9015.4
20°	9481.4	9417.6	9358.8	9280.3	9221.3	9162.6	9093.9	9040.0	8971.2	8912.4	8873.3
22.5°	9339.2	9265.5	9216.5	9137.9	9069.3	9005.7	8941.9	8878.1	8814.3	8765.2	8721.0
25°	9133.1	9054.6	9000.7	8936.9	8873.3	8824.2	8745.7	8706.5	8642.7	8598.5	8554.3
27.5°	8838.7	8780.0	8730.9	8667.1	8613.2	8574.1	8515.1	8475.9	8421.8	8382.7	8348.3
30°	8407.3	8358.2	8314.0	8250.2	8211.0	8176.7	8122.6	8088.3	8049.1	8004.9	7995.2
32.5°	7828.5	7789.1	7745.1	7700.9	7671.4	7651.8	7607.6	7588.0	7548.8	7524.2	7499.8
35°	6955.3	6920.9	6896.5	6876.9	6867.0	6871.9	6862.2	6881.8	6891.5	6886.6	6891.5
37.5°	5812.5	5792.8	5802.6	5817.4	5866.4	5930.2	5989.0	6077.2	6136.2	6195.1	6249.0
40°	4537.2	4551.9	4591.1	4679.3	4806.9	4949.2	5081.7	5248.4	5415.2	5532.9	5640.7
42.5°	3423.7	3467.9	3565.9	3693.5	3884.9	4095.6	4301.8	4546.9	4748.2	4944.2	5081.7
45°	2575.2	2633.9	2761.5	2938.2	3148.9	3394.3	3654.3	3928.9	4169.3	4370.4	4522.4
47.5°	2006.2	2060.1	2187.7	2374.1	2633.9	2889.1	3158.8	3443.3	3693.5	3889.7	4022.1
50°	1584.3	1652.9	1765.8	1962.0	2222.1	2491.8	2771.4	3050.8	3286.4	3453.2	3570.9
52.5°	1245.9	1309.7	1417.5	1623.6	1888.5	2158.3	2418.1	2692.9	2898.8	3060.7	3139.3
55°	966.3	1025.2	1137.9	1309.7	1559.8	1824.7	2084.6	2320.2	2511.4	2629.1	2702.8
57.5°	735.7	779.9	858.5	1030.1	1255.8	1500.9	1721.8	1957.2	2104.3	2187.7	2236.6
60°	559.2	593.6	677.0	809.4	1015.3	1226.3	1412.7	1589.3	1707.0	1775.7	1824.7
62.5°	421.8	461.1	519.9	632.7	789.6	961.4	1118.3	1250.7	1348.9	1393.1	1427.4
65°	289.3	318.8	363.0	451.2	583.7	706.2	829.0	927.1	990.9	1040.0	1059.5
67.5°	215.8	235.4	260.0	328.7	421.8	519.9	603.3	671.9	740.8	760.3	794.7
70°	161.9	176.7	201.1	250.1	304.1	372.7	441.5	480.7	529.8	564.1	574.0
72.5°	103.0	107.8	132.4	161.9	205.9	250.1	294.4	328.7	358.2	377.7	387.4
75°	59.0	88.2	88.2	117.7	147.2	166.8	196.2	220.7	235.4	250.1	250.1
77.5°	39.2	53.9	59.0	73.5	88.2	112.9	137.3	152.0	166.8	171.6	171.6
80°	34.3	39.2	39.2	53.9	63.8	83.4	98.1	103.0	112.9	117.7	127.6
82.5°	14.7	19.6	24.4	39.2	44.2	44.2	59.0	63.8	73.5	78.5	78.5
85°	4.8	9.9	9.9	14.7	24.4	29.5	34.3	39.2	44.2	44.2	49.1
87.5°	4.8	4.8	0.0	4.8	9.9	9.9	19.6	19.6	19.6	29.5	29.5
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: P248630

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5	10045.5
2.5°	9957.2	9962.1	9942.5	9937.7	9927.8	9932.6	9942.5
5°	9775.7	9780.6	9761.0	9741.4	9741.4	9736.4	9741.4
7.5°	9603.9	9609.0	9579.5	9569.6	9550.0	9555.1	9555.1
10°	9432.3	9432.3	9388.3	9383.2	9368.5	9363.7	9363.7
12.5°	9265.5	9250.8	9216.5	9196.9	9206.8	9177.3	9177.3
15°	9118.4	9093.9	9049.7	9035.0	9010.6	9000.7	9000.7
17.5°	8966.3	8946.8	8907.6	8878.1	8848.6	8843.8	8848.6
20°	8819.2	8799.6	8750.5	8730.9	8706.5	8706.5	8696.6
22.5°	8672.0	8652.4	8608.4	8593.6	8559.3	8559.3	8564.2
25°	8519.9	8505.2	8456.1	8446.5	8441.6	8421.8	8431.7
27.5°	8314.0	8304.1	8265.0	8250.2	8230.6	8225.8	8235.5
30°	7936.3	7921.5	7892.3	7877.5	7843.2	7848.0	7857.7
32.5°	7465.5	7445.9	7406.5	7391.8	7362.5	7352.6	7357.4
35°	6876.9	6862.2	6827.9	6827.9	6798.4	6788.5	6798.4
37.5°	6278.5	6293.1	6278.5	6293.1	6278.5	6273.5	6278.5
40°	5714.4	5768.3	5778.0	5832.1	5812.5	5841.8	5837.0
42.5°	5174.8	5263.0	5297.5	5341.5	5331.8	5351.4	5366.2
45°	4630.2	4703.9	4738.3	4767.7	4772.6	4782.5	4787.3
47.5°	4115.2	4174.2	4179.0	4213.3	4208.5	4208.5	4223.2
50°	3634.7	3673.9	3683.6	3708.2	3688.6	3678.7	3683.6
52.5°	3188.3	3227.5	3217.6	3227.5	3203.1	3193.2	3198.0
55°	2732.0	2751.6	2751.6	2751.6	2722.3	2722.3	2722.3
57.5°	2266.1	2271.1	2261.2	2266.1	2261.2	2231.7	2226.9
60°	1839.5	1839.5	1834.4	1839.5	1824.7	1810.0	1810.0
62.5°	1437.1	1447.0	1466.6	1447.0	1437.1	1447.0	1432.2
65°	1074.3	1093.9	1088.8	1098.7	1093.9	1093.9	1084.0
67.5°	809.4	814.2	819.1	824.1	824.1	824.1	824.1
70°	593.6	608.3	603.3	603.3	603.3	603.3	632.7
72.5°	397.3	416.9	412.1	421.8	421.8	431.7	421.8
75°	269.7	289.3	279.6	294.4	289.3	279.6	304.1
77.5°	181.5	191.4	196.2	201.1	196.2	191.4	196.2
80°	127.6	137.3	132.4	137.3	137.3	137.3	142.3
82.5°	78.5	93.3	88.2	93.3	88.2	93.3	93.3
85°	53.9	59.0	49.1	59.0	53.9	53.9	63.8
87.5°	34.3	29.5	29.5	34.3	29.5	34.3	29.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)