

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: P248999

Luminaire Tested: **LD8B175D010 ER8B175835 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248999
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 ER8B175835 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18156.0 lumens
Efficiency: N/A
Efficacy: 102.5 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

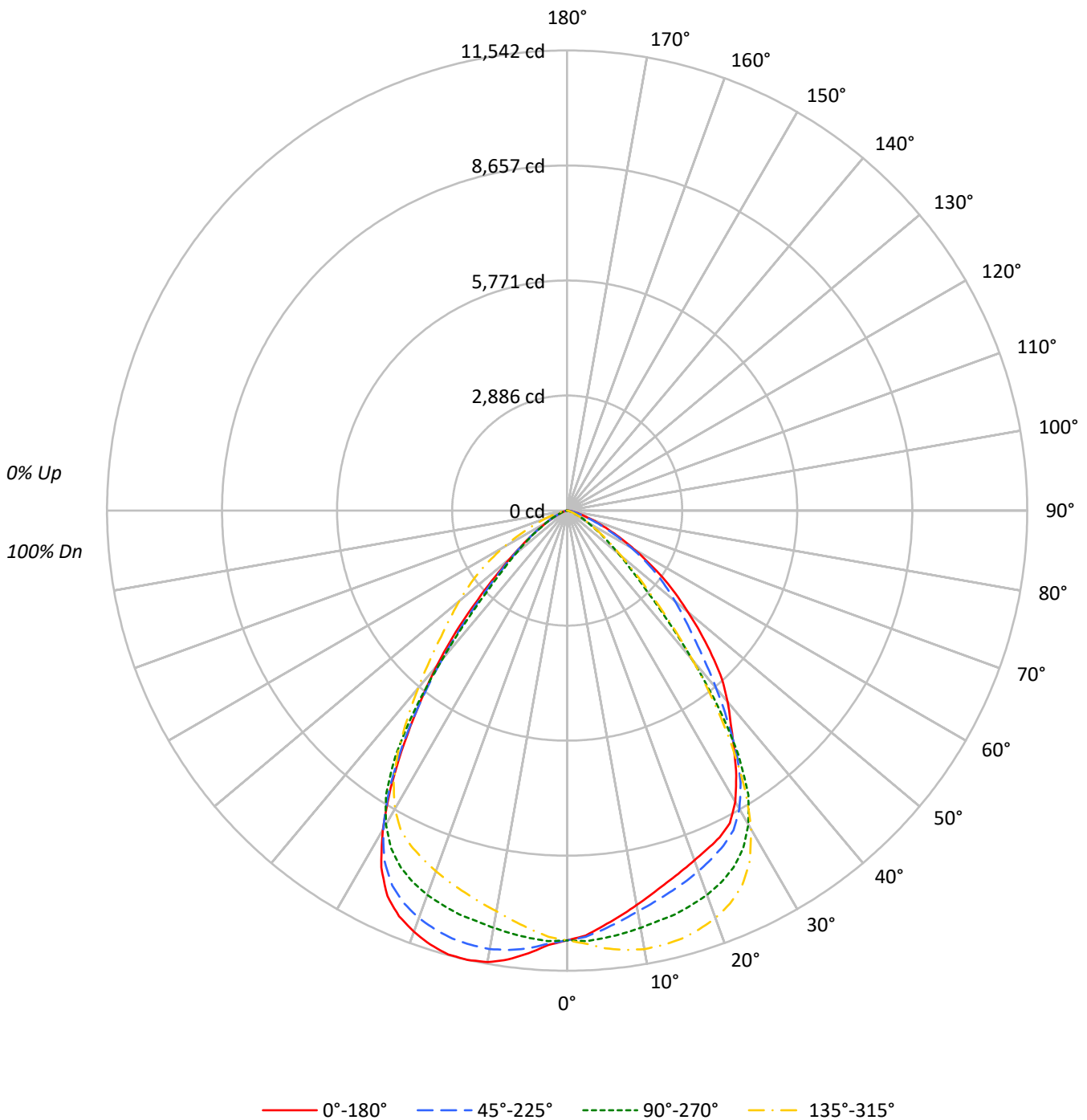
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	332372	332372	332372	332372
5°	323545	333153	345048	333153
10°	314595	332718	360076	332718
15°	308310	334692	367957	334692
20°	306210	336606	368903	336606
25°	307820	335930	362976	335930
30°	300207	323633	329451	323633
35°	274599	282320	267861	282320
40°	252110	196387	205082	196387
45°	224007	119807	138625	119807
50°	189608	80033	88874	80033
55°	157037	54611	57718	54611
60°	119774	36356	36671	36356
65°	84866	22648	20737	22648
70°	61209	15174	13767	15174
75°	38864	7542	6267	7542
80°	27116	5612	4653	5612
85°	24236	0	1840	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1025.9	5.7
10°-20°	2970.9	16.4
20°-30°	4498.6	24.8
30°-40°	4508.6	24.8
40°-50°	2831.2	15.6
50°-60°	1508.7	8.3
60°-70°	620.4	3.4
70°-80°	163.9	0.9
80°-90°	27.7	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°	8495.4	46.8
0°-40°	13004.0	71.6
0°-60°	17343.9	95.5
0°-90°	18156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18156.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10779	10779	10779	10779	10779	
5°	10452	10763	11147	10763	10452	986
15°	9658	10484	11526	10484	9658	2731
25°	9047	9873	10668	9873	9047	4149
35°	7295	7500	7116	7500	7295	4570
45°	5137	2747	3179	2747	5137	3951
55°	2921	1016	1074	1016	2921	2604
65°	1163	310	284	310	1163	1207
75°	326	63	53	63	326	370
85°	68	0	5	0	68	75
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°	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6
2.5°	10668.2	10657.5	10652.3	10663.0	10668.2	10689.2	10684.0	10694.4	10694.4	10699.8	10710.2
5°	10452.4	10447.0	10452.4	10452.4	10473.4	10494.4	10489.2	10505.0	10515.4	10541.9	10552.3
7.5°	10252.4	10252.4	10247.0	10268.0	10278.7	10310.3	10304.9	10331.3	10347.1	10373.3	10410.2
10°	10047.1	10047.1	10052.3	10068.1	10073.5	10120.7	10120.7	10157.6	10178.6	10205.0	10252.4
12.5°	9847.1	9847.1	9878.8	9868.1	9889.2	9926.0	9941.8	9978.6	10010.3	10062.9	10110.3
15°	9657.6	9657.6	9668.2	9694.4	9710.2	9757.7	9783.9	9826.1	9862.9	9915.6	9984.0
17.5°	9494.5	9489.3	9494.5	9526.1	9557.7	9599.7	9620.8	9673.4	9710.2	9778.7	9841.9
20°	9331.3	9342.0	9342.0	9368.2	9389.2	9441.8	9462.8	9520.9	9562.9	9626.0	9699.8
22.5°	9189.2	9184.0	9184.0	9220.9	9236.7	9283.9	9304.9	9357.5	9405.0	9457.6	9526.1
25°	9047.1	9036.5	9057.7	9062.9	9073.3	9126.0	9141.8	9178.6	9226.1	9273.5	9342.0
27.5°	8836.6	8826.2	8831.4	8852.4	8868.2	8910.2	8920.8	8957.7	8994.5	9036.5	9094.6
30°	8431.2	8420.8	8415.6	8452.5	8468.3	8499.7	8515.5	8578.8	8589.2	8636.6	8678.6
32.5°	7894.4	7889.2	7899.8	7931.3	7947.1	7989.3	8010.3	8047.2	8073.4	8099.8	8141.8
35°	7294.6	7284.0	7294.6	7326.2	7326.2	7363.0	7378.9	7394.4	7389.2	7394.4	7384.1
37.5°	6736.8	6731.3	6736.8	6752.4	6736.8	6752.4	6736.8	6705.1	6647.3	6584.0	6520.8
40°	6263.0	6268.2	6236.8	6257.8	6199.7	6189.3	6131.5	6052.4	5936.7	5810.4	5631.5
42.5°	5757.8	5742.0	5721.0	5731.4	5684.2	5647.1	5552.4	5452.6	5305.1	5094.7	4878.7
45°	5136.7	5131.5	5120.9	5115.7	5084.1	5047.3	4968.2	4852.5	4689.4	4473.6	4215.6
47.5°	4531.5	4515.7	4515.7	4520.9	4484.0	4478.8	4415.6	4315.7	4173.6	3963.0	3694.6
50°	3952.4	3947.2	3957.8	3978.8	3952.4	3942.0	3900.0	3831.5	3705.2	3526.3	3273.5
52.5°	3431.4	3426.2	3436.8	3463.0	3452.4	3463.0	3421.0	3368.4	3284.1	3110.4	2889.4
55°	2921.0	2921.0	2921.0	2952.5	2952.5	2952.5	2931.4	2900.0	2821.0	2694.7	2489.5
57.5°	2389.4	2394.6	2426.3	2431.5	2426.3	2436.9	2431.5	2399.8	2347.4	2257.9	2100.0
60°	1942.1	1942.1	1957.9	1973.7	1968.3	1973.7	1973.7	1957.9	1905.3	1831.6	1705.3
62.5°	1536.8	1552.6	1542.0	1552.6	1573.6	1552.6	1542.0	1531.6	1494.7	1447.3	1342.0
65°	1163.1	1173.7	1173.7	1178.9	1168.3	1173.7	1152.7	1136.9	1115.9	1063.2	994.8
67.5°	884.3	884.3	884.3	884.3	878.9	873.7	868.5	852.7	815.8	794.8	720.9
70°	678.9	647.3	647.3	647.3	647.3	652.7	636.9	615.9	605.3	568.4	515.8
72.5°	452.5	463.2	452.5	452.5	442.1	447.3	426.3	415.7	405.3	384.3	352.7
75°	326.2	300.0	310.4	315.8	300.0	310.4	289.4	268.4	268.4	252.6	236.8
77.5°	210.6	205.4	210.6	215.8	210.6	205.4	194.8	184.1	184.1	178.9	163.1
80°	152.7	147.3	147.3	147.3	142.1	147.3	136.9	136.9	126.3	121.1	110.5
82.5°	100.1	100.1	94.7	100.1	94.7	100.1	84.3	84.3	84.3	78.9	68.5
85°	68.5	57.8	57.8	63.3	52.6	63.3	57.8	52.6	47.4	47.4	42.0
87.5°	31.6	36.8	31.6	36.8	31.6	31.6	36.8	31.6	31.6	21.0	21.0
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°	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6
2.5°	10726.0	10731.2	10731.2	10752.4	10762.8	10768.0	10768.0	10810.3	10794.5	10805.1	10815.5
5°	10573.5	10604.9	10615.5	10615.5	10673.4	10694.4	10715.4	10762.8	10768.0	10799.7	10836.5
7.5°	10426.0	10462.8	10484.0	10531.3	10568.1	10604.9	10668.2	10699.8	10731.2	10773.4	10820.7
10°	10283.9	10326.1	10368.1	10405.0	10462.8	10510.2	10552.3	10625.9	10663.0	10720.8	10783.8
12.5°	10147.2	10205.0	10241.8	10304.9	10368.1	10410.2	10473.4	10541.9	10599.7	10657.5	10731.2
15°	10026.1	10094.5	10136.6	10205.0	10273.5	10331.3	10399.8	10484.0	10526.1	10594.5	10663.0
17.5°	9894.4	9968.2	10020.9	10083.9	10168.2	10231.2	10289.3	10373.3	10426.0	10499.6	10578.7
20°	9757.7	9831.3	9894.4	9957.6	10041.9	10104.9	10173.4	10257.6	10315.5	10389.1	10452.4
22.5°	9594.5	9663.0	9731.2	9804.9	9889.2	9941.8	10020.9	10094.5	10157.6	10226.0	10289.3
25°	9384.0	9468.2	9520.9	9589.1	9657.6	9715.4	9799.7	9873.3	9926.0	9989.2	10047.1
27.5°	9136.6	9199.8	9241.9	9299.7	9368.2	9420.8	9483.8	9557.7	9610.4	9668.2	9710.2
30°	8715.5	8773.5	8810.3	8852.4	8920.8	8968.3	9020.9	9089.1	9126.0	9168.2	9205.0
32.5°	8162.8	8210.3	8231.3	8262.9	8310.4	8357.6	8399.8	8457.7	8473.5	8499.7	8499.7
35°	7363.0	7373.4	7368.2	7378.9	7399.9	7426.1	7462.9	7499.7	7520.7	7520.7	7505.1
37.5°	6426.1	6363.1	6294.6	6242.0	6226.2	6215.5	6236.8	6252.4	6273.6	6284.0	6257.8
40°	5452.6	5310.5	5157.7	5020.8	4926.2	4884.1	4868.3	4878.7	4878.7	4915.6	4915.6
42.5°	4615.7	4394.6	4168.4	3963.0	3826.1	3721.1	3673.6	3673.6	3678.8	3705.2	3721.1
45°	3921.0	3642.0	3378.8	3152.6	2963.1	2826.2	2763.1	2747.3	2742.1	2752.5	2789.3
47.5°	3389.4	3100.0	2826.2	2547.4	2347.4	2210.5	2152.7	2131.4	2110.4	2131.4	2136.8
50°	2973.7	2673.6	2384.2	2105.2	1894.6	1773.5	1699.9	1668.3	1663.1	1663.1	1673.7
52.5°	2594.6	2315.8	2026.4	1742.1	1521.0	1405.3	1336.8	1321.0	1300.0	1321.0	1321.0
55°	2236.7	1957.9	1673.7	1405.3	1220.9	1100.0	1036.8	1015.8	1005.2	1021.0	1021.0
57.5°	1847.4	1610.4	1347.4	1105.2	921.1	836.8	789.4	763.2	757.8	768.4	757.8
60°	1515.8	1315.8	1089.4	868.5	726.4	636.9	600.1	589.5	578.8	589.5	589.5
62.5°	1199.9	1031.6	847.2	678.9	557.8	494.8	452.5	452.5	447.3	447.3	452.5
65°	889.5	757.8	626.3	484.2	389.5	342.1	310.4	310.4	305.2	310.4	305.2
67.5°	647.3	557.8	452.5	352.7	279.0	252.6	231.6	215.8	226.4	215.8	210.6
70°	473.8	399.9	326.2	268.4	215.8	189.6	173.7	168.3	157.9	157.9	157.9
72.5°	315.8	268.4	221.0	173.7	142.1	115.7	110.5	100.1	89.5	94.7	105.3
75°	210.6	178.9	157.9	126.3	94.7	94.7	63.3	63.3	52.6	63.3	47.4
77.5°	147.3	121.1	94.7	78.9	63.3	57.8	42.0	42.0	36.8	36.8	36.8
80°	105.3	89.5	68.5	57.8	42.0	42.0	36.8	31.6	26.2	26.2	31.6
82.5°	63.3	47.4	47.4	42.0	26.2	21.0	15.8	21.0	10.6	10.6	10.6
85°	36.8	31.6	26.2	15.8	10.6	10.6	5.2	0.0	5.2	5.2	0.0
87.5°	21.0	10.6	10.6	5.2	0.0	5.2	5.2	0.0	0.0	0.0	10.6
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°	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6
2.5°	10841.9	10836.5	10847.1	10847.1	10878.7	10873.3	10889.1	10889.1	10878.7	10883.9	10904.9
5°	10878.7	10894.5	10926.0	10952.4	10999.6	11020.8	11047.0	11073.5	11078.7	11094.5	11110.3
7.5°	10878.7	10931.4	10968.2	11015.4	11078.7	11115.5	11173.3	11220.8	11241.8	11268.0	11299.6
10°	10857.5	10910.1	10978.6	11031.2	11110.3	11168.1	11226.0	11299.6	11331.3	11373.3	11415.5
12.5°	10815.5	10873.3	10947.0	11015.4	11104.9	11157.5	11231.2	11299.6	11347.1	11404.9	11452.4
15°	10752.4	10820.7	10889.1	10957.6	11052.2	11115.5	11184.0	11262.8	11310.3	11373.3	11415.5
17.5°	10652.3	10726.0	10789.3	10852.3	10941.8	11015.4	11078.7	11152.3	11199.8	11252.4	11310.3
20°	10531.3	10599.7	10668.2	10720.8	10810.3	10873.3	10941.8	11010.2	11047.0	11057.7	11147.1
22.5°	10378.7	10426.0	10478.6	10562.9	10615.5	10673.4	10736.6	10799.7	10836.5	10894.5	10926.0
25°	10125.9	10173.4	10231.2	10268.0	10331.3	10378.7	10441.8	10510.2	10531.3	10573.5	10604.9
27.5°	9773.5	9799.7	9826.1	9857.5	9894.4	9920.8	9957.6	9989.2	10010.3	10031.3	10052.3
30°	9215.4	9215.4	9215.4	9194.4	9210.2	9226.1	9231.3	9226.1	9226.1	9220.9	9220.9
32.5°	8478.7	8436.7	8389.2	8347.2	8331.4	8310.4	8299.7	8283.9	8257.7	8241.9	8247.1
35°	7483.9	7389.2	7331.4	7278.8	7236.7	7205.1	7189.3	7173.5	7168.3	7147.3	7126.0
37.5°	6242.0	6173.5	6131.5	6099.9	6063.0	6031.4	6036.6	6042.0	6057.6	6047.2	6052.4
40°	4926.2	4910.4	4926.2	4889.3	4878.7	4889.3	4915.6	4952.6	4973.6	4994.6	5031.4
42.5°	3747.3	3773.5	3810.5	3810.5	3826.1	3847.3	3878.8	3936.8	3968.2	4005.1	4047.3
45°	2821.0	2852.6	2900.0	2915.6	2926.2	2952.5	2989.5	3036.7	3057.7	3089.4	3126.2
47.5°	2173.7	2194.7	2220.9	2247.3	2273.5	2284.1	2321.0	2321.0	2347.4	2368.4	2378.8
50°	1694.7	1715.7	1736.7	1752.5	1763.2	1779.0	1789.4	1805.2	1810.4	1821.0	1826.2
52.5°	1326.2	1352.6	1352.6	1363.0	1378.8	1394.7	1389.5	1394.7	1399.9	1399.9	1415.7
55°	1036.8	1036.8	1052.6	1052.6	1063.2	1057.8	1063.2	1063.2	1063.2	1063.2	1068.4
57.5°	773.6	779.0	794.8	784.2	779.0	789.4	779.0	789.4	784.2	794.8	779.0
60°	594.6	594.6	600.1	600.1	605.3	605.3	605.3	600.1	600.1	594.6	594.6
62.5°	447.3	452.5	458.0	452.5	452.5	452.5	447.3	447.3	442.1	436.7	436.7
65°	300.0	294.8	305.2	294.8	300.0	300.0	294.8	300.0	284.2	289.4	284.2
67.5°	215.8	210.6	205.4	210.6	205.4	199.9	199.9	205.4	210.6	194.8	194.8
70°	142.1	147.3	142.1	147.3	152.7	152.7	147.3	142.1	147.3	136.9	142.1
72.5°	89.5	89.5	89.5	89.5	89.5	94.7	94.7	94.7	84.3	84.3	78.9
75°	42.0	57.8	47.4	42.0	57.8	57.8	52.6	52.6	47.4	47.4	47.4
77.5°	42.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6	26.2	31.6	26.2
80°	21.0	21.0	21.0	15.8	21.0	21.0	26.2	21.0	21.0	15.8	26.2
82.5°	10.6	10.6	10.6	0.0	5.2	10.6	10.6	5.2	10.6	10.6	5.2
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: P248999

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6
2.5°	10899.7	10894.5	10899.7	10904.9	10899.7	10894.5	10899.7	10904.9	10883.9	10878.7	10889.1
5°	11131.3	11131.3	11141.7	11147.1	11141.7	11131.3	11131.3	11110.3	11094.5	11078.7	11073.5
7.5°	11331.3	11341.9	11352.3	11357.5	11352.3	11341.9	11331.3	11299.6	11268.0	11241.8	11220.8
10°	11452.4	11468.2	11489.2	11499.6	11489.2	11468.2	11452.4	11415.5	11373.3	11331.3	11299.6
12.5°	11505.0	11520.8	11547.0	11541.8	11547.0	11520.8	11505.0	11452.4	11404.9	11347.1	11299.6
15°	11468.2	11489.2	11515.4	11526.0	11515.4	11489.2	11468.2	11415.5	11373.3	11310.3	11262.8
17.5°	11352.3	11383.9	11399.7	11415.5	11399.7	11383.9	11352.3	11310.3	11252.4	11199.8	11152.3
20°	11194.4	11215.6	11236.6	11241.8	11236.6	11215.6	11194.4	11147.1	11057.7	11047.0	11010.2
22.5°	10968.2	10984.0	11031.2	11015.4	11031.2	10984.0	10968.2	10926.0	10894.5	10836.5	10799.7
25°	10641.7	10657.5	10663.0	10668.2	10663.0	10657.5	10641.7	10604.9	10573.5	10531.3	10510.2
27.5°	10078.7	10078.7	10089.1	10094.5	10089.1	10078.7	10078.7	10052.3	10031.3	10010.3	9989.2
30°	9226.1	9226.1	9226.1	9252.5	9226.1	9226.1	9226.1	9220.9	9220.9	9226.1	9226.1
32.5°	8241.9	8231.3	8220.9	8231.3	8220.9	8231.3	8241.9	8247.1	8241.9	8257.7	8283.9
35°	7126.0	7120.8	7136.7	7115.6	7136.7	7120.8	7126.0	7126.0	7147.3	7168.3	7173.5
37.5°	6057.6	6047.2	6068.2	6047.2	6068.2	6047.2	6057.6	6052.4	6047.2	6057.6	6042.0
40°	5042.1	5052.5	5052.5	5094.7	5052.5	5052.5	5042.1	5031.4	4994.6	4973.6	4952.6
42.5°	4068.3	4099.9	4089.3	4121.0	4089.3	4099.9	4068.3	4047.3	4005.1	3968.2	3936.8
45°	3147.2	3168.4	3168.4	3178.8	3168.4	3168.4	3147.2	3126.2	3089.4	3057.7	3036.7
47.5°	2415.6	2415.6	2415.6	2421.1	2415.6	2415.6	2415.6	2378.8	2368.4	2347.4	2321.0
50°	1836.8	1842.0	1847.4	1852.6	1847.4	1842.0	1836.8	1826.2	1821.0	1810.4	1805.2
52.5°	1410.5	1415.7	1405.3	1415.7	1405.3	1415.7	1410.5	1415.7	1399.9	1399.9	1394.7
55°	1068.4	1063.2	1068.4	1073.6	1068.4	1063.2	1068.4	1068.4	1063.2	1063.2	1063.2
57.5°	784.2	773.6	773.6	773.6	773.6	773.6	784.2	779.0	794.8	784.2	789.4
60°	584.3	589.5	589.5	594.6	589.5	589.5	584.3	594.6	594.6	600.1	600.1
62.5°	431.5	447.3	436.7	447.3	436.7	447.3	431.5	436.7	436.7	442.1	447.3
65°	279.0	279.0	279.0	284.2	279.0	279.0	279.0	284.2	289.4	284.2	300.0
67.5°	189.6	194.8	205.4	199.9	205.4	194.8	189.6	194.8	194.8	210.6	205.4
70°	152.7	136.9	136.9	152.7	136.9	136.9	152.7	142.1	136.9	147.3	142.1
72.5°	89.5	78.9	89.5	89.5	89.5	78.9	89.5	78.9	84.3	84.3	94.7
75°	47.4	42.0	36.8	52.6	36.8	42.0	47.4	47.4	47.4	47.4	52.6
77.5°	31.6	26.2	36.8	36.8	36.8	26.2	31.6	26.2	31.6	26.2	31.6
80°	15.8	21.0	15.8	26.2	15.8	21.0	15.8	26.2	15.8	21.0	21.0
82.5°	5.2	10.6	10.6	10.6	10.6	10.6	5.2	5.2	10.6	10.6	5.2
85°	0.0	10.6	5.2	5.2	5.2	10.6	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	0.0	0.0	5.2	0.0	0.0	5.2	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: P248999

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6
2.5°	10889.1	10873.3	10878.7	10847.1	10847.1	10836.5	10841.9	10815.5	10805.1	10794.5	10810.3
5°	11047.0	11020.8	10999.6	10952.4	10926.0	10894.5	10878.7	10836.5	10799.7	10768.0	10762.8
7.5°	11173.3	11115.5	11078.7	11015.4	10968.2	10931.4	10878.7	10820.7	10773.4	10731.2	10699.8
10°	11226.0	11168.1	11110.3	11031.2	10978.6	10910.1	10857.5	10783.8	10720.8	10663.0	10625.9
12.5°	11231.2	11157.5	11104.9	11015.4	10947.0	10873.3	10815.5	10731.2	10657.5	10599.7	10541.9
15°	11184.0	11115.5	11052.2	10957.6	10889.1	10820.7	10752.4	10663.0	10594.5	10526.1	10484.0
17.5°	11078.7	11015.4	10941.8	10852.3	10789.3	10726.0	10652.3	10578.7	10499.6	10426.0	10373.3
20°	10941.8	10873.3	10810.3	10720.8	10668.2	10599.7	10531.3	10452.4	10389.1	10315.5	10257.6
22.5°	10736.6	10673.4	10615.5	10562.9	10478.6	10426.0	10378.7	10289.3	10226.0	10157.6	10094.5
25°	10441.8	10378.7	10331.3	10268.0	10231.2	10173.4	10125.9	10047.1	9989.2	9926.0	9873.3
27.5°	9957.6	9920.8	9894.4	9857.5	9826.1	9799.7	9773.5	9710.2	9668.2	9610.4	9557.7
30°	9231.3	9226.1	9210.2	9194.4	9215.4	9215.4	9215.4	9205.0	9168.2	9126.0	9089.1
32.5°	8299.7	8310.4	8331.4	8347.2	8389.2	8436.7	8478.7	8499.7	8499.7	8473.5	8457.7
35°	7189.3	7205.1	7236.7	7278.8	7331.4	7389.2	7483.9	7505.1	7520.7	7520.7	7499.7
37.5°	6036.6	6031.4	6063.0	6099.9	6131.5	6173.5	6242.0	6257.8	6284.0	6273.6	6252.4
40°	4915.6	4889.3	4878.7	4889.3	4926.2	4910.4	4926.2	4915.6	4915.6	4878.7	4878.7
42.5°	3878.8	3847.3	3826.1	3810.5	3810.5	3773.5	3747.3	3721.1	3705.2	3678.8	3673.6
45°	2989.5	2952.5	2926.2	2915.6	2900.0	2852.6	2821.0	2789.3	2752.5	2742.1	2747.3
47.5°	2321.0	2284.1	2273.5	2247.3	2220.9	2194.7	2173.7	2136.8	2131.4	2110.4	2131.4
50°	1789.4	1779.0	1763.2	1752.5	1736.7	1715.7	1694.7	1673.7	1663.1	1663.1	1668.3
52.5°	1389.5	1394.7	1378.8	1363.0	1352.6	1352.6	1326.2	1321.0	1321.0	1300.0	1321.0
55°	1063.2	1057.8	1063.2	1052.6	1052.6	1036.8	1036.8	1021.0	1021.0	1005.2	1015.8
57.5°	779.0	789.4	779.0	784.2	794.8	779.0	773.6	757.8	768.4	757.8	763.2
60°	605.3	605.3	605.3	600.1	600.1	594.6	594.6	589.5	589.5	578.8	589.5
62.5°	447.3	452.5	452.5	452.5	458.0	452.5	447.3	452.5	447.3	447.3	452.5
65°	294.8	300.0	300.0	294.8	305.2	294.8	300.0	305.2	310.4	305.2	310.4
67.5°	199.9	199.9	205.4	210.6	205.4	210.6	215.8	210.6	215.8	226.4	215.8
70°	147.3	152.7	152.7	147.3	142.1	147.3	142.1	157.9	157.9	157.9	168.3
72.5°	94.7	94.7	89.5	89.5	89.5	89.5	89.5	105.3	94.7	89.5	100.1
75°	52.6	57.8	57.8	42.0	47.4	57.8	42.0	47.4	63.3	52.6	63.3
77.5°	31.6	31.6	31.6	31.6	31.6	31.6	42.0	36.8	36.8	36.8	42.0
80°	26.2	21.0	21.0	15.8	21.0	21.0	21.0	31.6	26.2	26.2	31.6
82.5°	10.6	10.6	5.2	0.0	10.6	10.6	10.6	10.6	10.6	10.6	21.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	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: P248999

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6
2.5°	10768.0	10768.0	10762.8	10752.4	10731.2	10731.2	10726.0	10710.2	10699.8	10694.4	10694.4
5°	10715.4	10694.4	10673.4	10615.5	10615.5	10604.9	10573.5	10552.3	10541.9	10515.4	10505.0
7.5°	10668.2	10604.9	10568.1	10531.3	10484.0	10462.8	10426.0	10410.2	10373.3	10347.1	10331.3
10°	10552.3	10510.2	10462.8	10405.0	10368.1	10326.1	10283.9	10252.4	10205.0	10178.6	10157.6
12.5°	10473.4	10410.2	10368.1	10304.9	10241.8	10205.0	10147.2	10110.3	10062.9	10010.3	9978.6
15°	10399.8	10331.3	10273.5	10205.0	10136.6	10094.5	10026.1	9984.0	9915.6	9862.9	9826.1
17.5°	10289.3	10231.2	10168.2	10083.9	10020.9	9968.2	9894.4	9841.9	9778.7	9710.2	9673.4
20°	10173.4	10104.9	10041.9	9957.6	9894.4	9831.3	9757.7	9699.8	9626.0	9562.9	9520.9
22.5°	10020.9	9941.8	9889.2	9804.9	9731.2	9663.0	9594.5	9526.1	9457.6	9405.0	9357.5
25°	9799.7	9715.4	9657.6	9589.1	9520.9	9468.2	9384.0	9342.0	9273.5	9226.1	9178.6
27.5°	9483.8	9420.8	9368.2	9299.7	9241.9	9199.8	9136.6	9094.6	9036.5	8994.5	8957.7
30°	9020.9	8968.3	8920.8	8852.4	8810.3	8773.5	8715.5	8678.6	8636.6	8589.2	8578.8
32.5°	8399.8	8357.6	8310.4	8262.9	8231.3	8210.3	8162.8	8141.8	8099.8	8073.4	8047.2
35°	7462.9	7426.1	7399.9	7378.9	7368.2	7373.4	7363.0	7384.1	7394.4	7389.2	7394.4
37.5°	6236.8	6215.5	6226.2	6242.0	6294.6	6363.1	6426.1	6520.8	6584.0	6647.3	6705.1
40°	4868.3	4884.1	4926.2	5020.8	5157.7	5310.5	5452.6	5631.5	5810.4	5936.7	6052.4
42.5°	3673.6	3721.1	3826.1	3963.0	4168.4	4394.6	4615.7	4878.7	5094.7	5305.1	5452.6
45°	2763.1	2826.2	2963.1	3152.6	3378.8	3642.0	3921.0	4215.6	4473.6	4689.4	4852.5
47.5°	2152.7	2210.5	2347.4	2547.4	2826.2	3100.0	3389.4	3694.6	3963.0	4173.6	4315.7
50°	1699.9	1773.5	1894.6	2105.2	2384.2	2673.6	2973.7	3273.5	3526.3	3705.2	3831.5
52.5°	1336.8	1405.3	1521.0	1742.1	2026.4	2315.8	2594.6	2889.4	3110.4	3284.1	3368.4
55°	1036.8	1100.0	1220.9	1405.3	1673.7	1957.9	2236.7	2489.5	2694.7	2821.0	2900.0
57.5°	789.4	836.8	921.1	1105.2	1347.4	1610.4	1847.4	2100.0	2257.9	2347.4	2399.8
60°	600.1	636.9	726.4	868.5	1089.4	1315.8	1515.8	1705.3	1831.6	1905.3	1957.9
62.5°	452.5	494.8	557.8	678.9	847.2	1031.6	1199.9	1342.0	1447.3	1494.7	1531.6
65°	310.4	342.1	389.5	484.2	626.3	757.8	889.5	994.8	1063.2	1115.9	1136.9
67.5°	231.6	252.6	279.0	352.7	452.5	557.8	647.3	720.9	794.8	815.8	852.7
70°	173.7	189.6	215.8	268.4	326.2	399.9	473.8	515.8	568.4	605.3	615.9
72.5°	110.5	115.7	142.1	173.7	221.0	268.4	315.8	352.7	384.3	405.3	415.7
75°	63.3	94.7	94.7	126.3	157.9	178.9	210.6	236.8	252.6	268.4	268.4
77.5°	42.0	57.8	63.3	78.9	94.7	121.1	147.3	163.1	178.9	184.1	184.1
80°	36.8	42.0	42.0	57.8	68.5	89.5	105.3	110.5	121.1	126.3	136.9
82.5°	15.8	21.0	26.2	42.0	47.4	47.4	63.3	68.5	78.9	84.3	84.3
85°	5.2	10.6	10.6	15.8	26.2	31.6	36.8	42.0	47.4	47.4	52.6
87.5°	5.2	5.2	0.0	5.2	10.6	10.6	21.0	21.0	21.0	31.6	31.6
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: P248999

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6	10778.6
2.5°	10684.0	10689.2	10668.2	10663.0	10652.3	10657.5	10668.2
5°	10489.2	10494.4	10473.4	10452.4	10452.4	10447.0	10452.4
7.5°	10304.9	10310.3	10278.7	10268.0	10247.0	10252.4	10252.4
10°	10120.7	10120.7	10073.5	10068.1	10052.3	10047.1	10047.1
12.5°	9941.8	9926.0	9889.2	9868.1	9878.8	9847.1	9847.1
15°	9783.9	9757.7	9710.2	9694.4	9668.2	9657.6	9657.6
17.5°	9620.8	9599.7	9557.7	9526.1	9494.5	9489.3	9494.5
20°	9462.8	9441.8	9389.2	9368.2	9342.0	9342.0	9331.3
22.5°	9304.9	9283.9	9236.7	9220.9	9184.0	9184.0	9189.2
25°	9141.8	9126.0	9073.3	9062.9	9057.7	9036.5	9047.1
27.5°	8920.8	8910.2	8868.2	8852.4	8831.4	8826.2	8836.6
30°	8515.5	8499.7	8468.3	8452.5	8415.6	8420.8	8431.2
32.5°	8010.3	7989.3	7947.1	7931.3	7899.8	7889.2	7894.4
35°	7378.9	7363.0	7326.2	7326.2	7294.6	7284.0	7294.6
37.5°	6736.8	6752.4	6736.8	6752.4	6736.8	6731.3	6736.8
40°	6131.5	6189.3	6199.7	6257.8	6236.8	6268.2	6263.0
42.5°	5552.4	5647.1	5684.2	5731.4	5721.0	5742.0	5757.8
45°	4968.2	5047.3	5084.1	5115.7	5120.9	5131.5	5136.7
47.5°	4415.6	4478.8	4484.0	4520.9	4515.7	4515.7	4531.5
50°	3900.0	3942.0	3952.4	3978.8	3957.8	3947.2	3952.4
52.5°	3421.0	3463.0	3452.4	3463.0	3436.8	3426.2	3431.4
55°	2931.4	2952.5	2952.5	2952.5	2921.0	2921.0	2921.0
57.5°	2431.5	2436.9	2426.3	2431.5	2426.3	2394.6	2389.4
60°	1973.7	1973.7	1968.3	1973.7	1957.9	1942.1	1942.1
62.5°	1542.0	1552.6	1573.6	1552.6	1542.0	1552.6	1536.8
65°	1152.7	1173.7	1168.3	1178.9	1173.7	1173.7	1163.1
67.5°	868.5	873.7	878.9	884.3	884.3	884.3	884.3
70°	636.9	652.7	647.3	647.3	647.3	647.3	678.9
72.5°	426.3	447.3	442.1	452.5	452.5	463.2	452.5
75°	289.4	310.4	300.0	315.8	310.4	300.0	326.2
77.5°	194.8	205.4	210.6	215.8	210.6	205.4	210.6
80°	136.9	147.3	142.1	147.3	147.3	147.3	152.7
82.5°	84.3	100.1	94.7	100.1	94.7	100.1	100.1
85°	57.8	63.3	52.6	63.3	57.8	57.8	68.5
87.5°	36.8	31.6	31.6	36.8	31.6	36.8	31.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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