

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: P248585

Luminaire Tested: **LD8B175D010 ER8B175850 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248585
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18586.0 lumens
Efficiency: N/A
Efficacy: 104.9 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

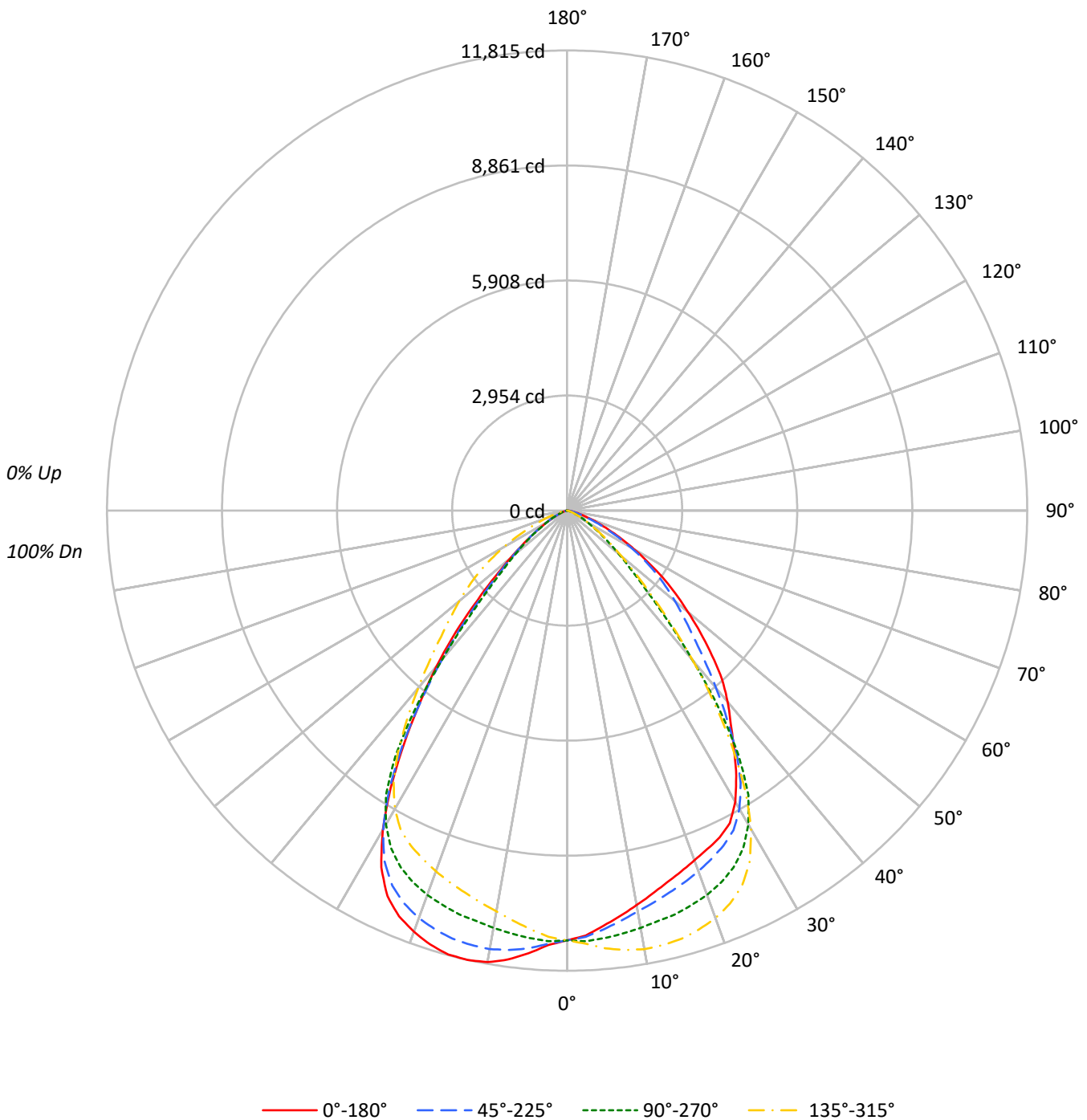
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	340245	340245	340245	340245
5°	331206	341043	353220	341043
10°	322044	340600	368602	340600
15°	315611	342619	376672	342619
20°	313462	344581	377639	344581
25°	315111	343888	371570	343888
30°	307318	331299	337253	331299
35°	281100	289009	274208	289009
40°	258080	201040	209940	201040
45°	229314	122646	141908	122646
50°	194098	81928	90980	81928
55°	160758	55901	59084	55901
60°	122611	37213	37540	37213
65°	86872	23188	21225	23188
70°	62661	15534	14092	15534
75°	39794	7720	6422	7720
80°	27756	5754	4759	5754
85°	24802	0	1875	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.2	5.7
10°-20°	3041.2	16.4
20°-30°	4605.1	24.8
30°-40°	4615.4	24.8
40°-50°	2898.3	15.6
50°-60°	1544.5	8.3
60°-70°	635.1	3.4
70°-80°	167.8	0.9
80°-90°	28.4	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°	8696.6	46.8
0°-40°	13312.0	71.6
0°-60°	17754.7	95.5
0°-90°	18586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18586.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11034	11034	11034	11034	11034	
5°	10700	11018	11411	11018	10700	###
15°	9886	10732	11799	10732	9886	2796
25°	9261	10107	10921	10107	9261	4248
35°	7467	7677	7284	7677	7467	4678
45°	5258	2812	3254	2812	5258	4044
55°	2990	1040	1099	1040	2990	2666
65°	1191	318	291	318	1191	1235
75°	334	65	54	65	334	378
85°	70	0	5	0	70	77
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°	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9
2.5°	10920.8	10910.0	10904.6	10915.5	10920.8	10942.3	10937.0	10947.7	10947.7	10953.2	10963.8
5°	10699.9	10694.4	10699.9	10699.9	10721.5	10743.0	10737.6	10753.8	10764.5	10791.5	10802.2
7.5°	10495.3	10495.3	10489.7	10511.2	10522.1	10554.5	10548.9	10576.0	10592.2	10619.0	10656.7
10°	10285.0	10285.0	10290.4	10306.5	10312.1	10360.4	10360.4	10398.1	10419.6	10446.7	10495.3
12.5°	10080.3	10080.3	10112.7	10101.9	10123.4	10161.1	10177.3	10215.0	10247.3	10301.2	10349.8
15°	9886.3	9886.3	9897.2	9924.0	9940.2	9988.8	10015.6	10058.8	10096.5	10150.4	10220.5
17.5°	9719.3	9714.0	9719.3	9751.7	9784.1	9827.1	9848.6	9902.5	9940.2	10010.3	10075.0
20°	9552.3	9563.2	9563.2	9590.0	9611.5	9665.4	9686.9	9746.4	9789.4	9853.9	9929.6
22.5°	9406.9	9401.5	9401.5	9439.2	9455.4	9503.8	9525.3	9579.2	9627.7	9681.6	9751.7
25°	9261.4	9250.5	9272.3	9277.6	9288.2	9342.1	9358.3	9396.0	9444.6	9493.1	9563.2
27.5°	9045.8	9035.2	9040.5	9062.0	9078.2	9121.2	9132.1	9169.8	9207.5	9250.5	9310.0
30°	8630.9	8620.3	8615.0	8652.7	8668.8	8701.0	8717.2	8781.9	8792.6	8841.2	8884.2
32.5°	8081.4	8076.1	8086.9	8119.1	8135.3	8178.5	8200.0	8237.7	8264.6	8291.6	8334.6
35°	7467.3	7456.5	7467.3	7499.7	7499.7	7537.4	7553.6	7569.6	7564.3	7569.6	7558.9
37.5°	6896.3	6890.8	6896.3	6912.3	6896.3	6912.3	6896.3	6863.9	6804.7	6740.0	6675.2
40°	6411.3	6416.6	6384.5	6406.0	6346.6	6335.9	6276.7	6195.8	6077.3	5948.1	5764.9
42.5°	5894.2	5878.0	5856.5	5867.1	5818.8	5780.9	5683.9	5581.7	5430.7	5215.4	4994.3
45°	5258.4	5253.1	5242.2	5236.9	5204.5	5166.8	5085.9	4967.4	4800.5	4579.6	4315.5
47.5°	4638.8	4622.6	4622.6	4627.9	4590.2	4584.9	4520.1	4417.9	4272.4	4056.9	3782.1
50°	4046.0	4040.7	4051.6	4073.1	4046.0	4035.4	3992.4	3922.3	3793.0	3609.8	3351.0
52.5°	3512.7	3507.4	3518.2	3545.1	3534.2	3545.1	3502.0	3448.2	3361.9	3184.0	2957.8
55°	2990.2	2990.2	2990.2	3022.4	3022.4	3022.4	3000.9	2968.7	2887.8	2758.5	2548.5
57.5°	2446.0	2451.3	2483.7	2489.0	2483.7	2494.6	2489.0	2456.7	2403.0	2311.4	2149.7
60°	1988.1	1988.1	2004.3	2020.5	2014.9	2020.5	2020.5	2004.3	1950.4	1875.0	1745.7
62.5°	1573.2	1589.4	1578.5	1589.4	1610.9	1589.4	1578.5	1567.8	1530.1	1481.6	1373.8
65°	1190.6	1201.5	1201.5	1206.8	1196.0	1201.5	1180.0	1163.8	1142.3	1088.4	1018.3
67.5°	905.2	905.2	905.2	905.2	899.7	894.4	889.0	872.8	835.2	813.6	738.0
70°	695.0	662.6	662.6	662.6	662.6	668.2	652.0	630.5	619.6	581.9	528.0
72.5°	463.3	474.1	463.3	463.3	452.6	457.9	436.4	425.6	414.9	393.4	361.0
75°	334.0	307.1	317.8	323.3	307.1	317.8	296.3	274.8	274.8	258.6	242.4
77.5°	215.6	210.2	215.6	220.9	215.6	210.2	199.4	188.5	188.5	183.2	167.0
80°	156.3	150.8	150.8	150.8	145.5	150.8	140.2	140.2	129.3	124.0	113.1
82.5°	102.5	102.5	96.9	102.5	96.9	102.5	86.3	86.3	86.3	80.7	70.1
85°	70.1	59.2	59.2	64.8	53.9	64.8	59.2	53.9	48.6	48.6	43.0
87.5°	32.4	37.7	32.4	37.7	32.4	32.4	37.7	32.4	32.4	21.5	21.5
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°	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9
2.5°	10980.0	10985.4	10985.4	11007.1	11017.7	11023.1	11023.1	11066.3	11050.1	11061.0	11071.6
5°	10823.9	10856.1	10866.9	10866.9	10926.1	10947.7	10969.2	11017.7	11023.1	11055.4	11093.1
7.5°	10672.9	10710.6	10732.3	10780.7	10818.4	10856.1	10920.8	10953.2	10985.4	11028.6	11076.9
10°	10527.4	10570.7	10613.7	10651.4	10710.6	10759.2	10802.2	10877.6	10915.5	10974.7	11039.2
12.5°	10387.5	10446.7	10484.4	10548.9	10613.7	10656.7	10721.5	10791.5	10850.7	10910.0	10985.4
15°	10263.5	10333.6	10376.6	10446.7	10516.8	10576.0	10646.1	10732.3	10775.3	10845.4	10915.5
17.5°	10128.7	10204.3	10258.2	10322.7	10409.0	10473.5	10533.0	10619.0	10672.9	10748.3	10829.2
20°	9988.8	10064.2	10128.7	10193.4	10279.7	10344.2	10414.3	10500.6	10559.8	10635.2	10699.9
22.5°	9821.8	9891.9	9961.7	10037.1	10123.4	10177.3	10258.2	10333.6	10398.1	10468.2	10533.0
25°	9606.2	9692.5	9746.4	9816.2	9886.3	9945.5	10031.8	10107.2	10161.1	10225.8	10285.0
27.5°	9353.0	9417.7	9460.8	9520.0	9590.0	9643.9	9708.5	9784.1	9838.0	9897.2	9940.2
30°	8921.9	8981.3	9019.0	9062.0	9132.1	9180.7	9234.6	9304.4	9342.1	9385.4	9423.1
32.5°	8356.2	8404.7	8426.2	8458.6	8507.2	8555.5	8598.8	8658.0	8674.2	8701.0	8701.0
35°	7537.4	7548.1	7542.7	7553.6	7575.1	7602.0	7639.7	7677.4	7698.9	7698.9	7682.9
37.5°	6578.3	6513.8	6443.7	6389.8	6373.6	6362.8	6384.5	6400.5	6422.2	6432.8	6406.0
40°	5581.7	5436.2	5279.9	5139.7	5042.8	4999.8	4983.6	4994.3	4994.3	5032.0	5032.0
42.5°	4725.1	4498.6	4267.1	4056.9	3916.7	3809.2	3760.6	3760.6	3765.9	3793.0	3809.2
45°	4013.9	3728.2	3458.8	3227.3	3033.2	2893.1	2828.6	2812.4	2807.0	2817.7	2855.4
47.5°	3469.7	3173.4	2893.1	2607.7	2403.0	2262.8	2203.6	2181.9	2160.4	2181.9	2187.4
50°	3044.1	2737.0	2440.7	2155.1	1939.5	1815.6	1740.2	1707.8	1702.5	1702.5	1713.3
52.5°	2656.0	2370.6	2074.3	1783.4	1557.0	1438.6	1368.5	1352.3	1330.8	1352.3	1352.3
55°	2289.7	2004.3	1713.3	1438.6	1249.8	1126.1	1061.3	1039.8	1029.0	1045.2	1045.2
57.5°	1891.2	1648.6	1379.4	1131.4	942.9	856.7	808.1	781.3	775.7	786.6	775.7
60°	1551.7	1347.0	1115.2	889.0	743.6	652.0	614.3	603.4	592.5	603.4	603.4
62.5°	1228.3	1056.0	867.3	695.0	571.0	506.5	463.3	463.3	457.9	457.9	463.3
65°	910.5	775.7	641.1	495.6	398.7	350.2	317.8	317.8	312.5	317.8	312.5
67.5°	662.6	571.0	463.3	361.0	285.6	258.6	237.1	220.9	231.7	220.9	215.6
70°	485.0	409.4	334.0	274.8	220.9	194.0	177.9	172.3	161.7	161.7	161.7
72.5°	323.3	274.8	226.2	177.9	145.5	118.4	113.1	102.5	91.6	96.9	107.8
75°	215.6	183.2	161.7	129.3	96.9	96.9	64.8	64.8	53.9	64.8	48.6
77.5°	150.8	124.0	96.9	80.7	64.8	59.2	43.0	43.0	37.7	37.7	37.7
80°	107.8	91.6	70.1	59.2	43.0	43.0	37.7	32.4	26.8	26.8	32.4
82.5°	64.8	48.6	48.6	43.0	26.8	21.5	16.2	21.5	10.9	10.9	10.9
85°	37.7	32.4	26.8	16.2	10.9	10.9	5.3	0.0	5.3	5.3	0.0
87.5°	21.5	10.9	10.9	5.3	0.0	5.3	5.3	0.0	0.0	0.0	10.9
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°	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9
2.5°	11098.7	11093.1	11104.0	11104.0	11136.4	11130.8	11147.0	11147.0	11136.4	11141.7	11163.2
5°	11136.4	11152.6	11184.7	11211.8	11260.1	11281.8	11308.7	11335.7	11341.1	11357.2	11373.4
7.5°	11136.4	11190.3	11228.0	11276.3	11341.1	11378.8	11438.0	11486.5	11508.0	11534.9	11567.3
10°	11114.6	11168.5	11238.6	11292.5	11373.4	11432.6	11491.9	11567.3	11599.6	11642.7	11685.9
12.5°	11071.6	11130.8	11206.2	11276.3	11367.9	11421.8	11497.2	11567.3	11615.8	11675.0	11723.6
15°	11007.1	11076.9	11147.0	11217.1	11314.0	11378.8	11448.8	11529.6	11578.1	11642.7	11685.9
17.5°	10904.6	10980.0	11044.8	11109.3	11200.9	11276.3	11341.1	11416.5	11465.0	11518.9	11578.1
20°	10780.7	10850.7	10920.8	10974.7	11066.3	11130.8	11200.9	11271.0	11308.7	11319.5	11411.1
22.5°	10624.5	10672.9	10726.8	10813.0	10866.9	10926.1	10990.9	11055.4	11093.1	11152.6	11184.7
25°	10365.8	10414.3	10473.5	10511.2	10576.0	10624.5	10689.1	10759.2	10780.7	10823.9	10856.1
27.5°	10005.0	10031.8	10058.8	10091.0	10128.7	10155.7	10193.4	10225.8	10247.3	10268.8	10290.4
30°	9433.7	9433.7	9433.7	9412.2	9428.4	9444.6	9449.9	9444.6	9444.6	9439.2	9439.2
32.5°	8679.5	8636.5	8587.9	8544.9	8528.7	8507.2	8496.3	8480.1	8453.3	8437.1	8442.4
35°	7661.2	7564.3	7505.0	7451.2	7408.1	7375.8	7359.6	7343.4	7338.1	7316.5	7294.8
37.5°	6389.8	6319.7	6276.7	6244.3	6206.6	6174.3	6179.6	6185.1	6201.1	6190.4	6195.8
40°	5042.8	5026.6	5042.8	5005.1	4994.3	5005.1	5032.0	5069.9	5091.4	5112.9	5150.6
42.5°	3836.0	3862.8	3900.8	3900.8	3916.7	3938.5	3970.6	4030.1	4062.2	4099.9	4143.2
45°	2887.8	2920.1	2968.7	2984.7	2995.5	3022.4	3060.3	3108.6	3130.2	3162.5	3200.2
47.5°	2225.1	2246.7	2273.5	2300.5	2327.4	2338.2	2375.9	2375.9	2403.0	2424.5	2435.2
50°	1734.8	1756.3	1777.9	1794.0	1804.9	1821.1	1831.7	1847.9	1853.3	1864.1	1869.4
52.5°	1357.6	1384.7	1384.7	1395.3	1411.5	1427.7	1422.4	1427.7	1433.0	1433.0	1449.2
55°	1061.3	1061.3	1077.5	1077.5	1088.4	1082.9	1088.4	1088.4	1088.4	1088.4	1093.7
57.5°	791.9	797.5	813.6	802.8	797.5	808.1	797.5	808.1	802.8	813.6	797.5
60°	608.7	608.7	614.3	614.3	619.6	619.6	619.6	614.3	614.3	608.7	608.7
62.5°	457.9	463.3	468.8	463.3	463.3	463.3	457.9	457.9	452.6	447.1	447.1
65°	307.1	301.8	312.5	301.8	307.1	307.1	301.8	307.1	290.9	296.3	290.9
67.5°	220.9	215.6	210.2	215.6	210.2	204.7	204.7	210.2	215.6	199.4	199.4
70°	145.5	150.8	145.5	150.8	156.3	156.3	150.8	145.5	150.8	140.2	145.5
72.5°	91.6	91.6	91.6	91.6	91.6	96.9	96.9	96.9	86.3	86.3	80.7
75°	43.0	59.2	48.6	43.0	59.2	59.2	53.9	53.9	48.6	48.6	48.6
77.5°	43.0	32.4	32.4	32.4	32.4	32.4	32.4	32.4	26.8	32.4	26.8
80°	21.5	21.5	21.5	16.2	21.5	21.5	26.8	21.5	21.5	16.2	26.8
82.5°	10.9	10.9	10.9	0.0	5.3	10.9	10.9	5.3	10.9	10.9	5.3
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: P248585

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9
2.5°	11157.9	11152.6	11157.9	11163.2	11157.9	11152.6	11157.9	11163.2	11141.7	11136.4	11147.0
5°	11394.9	11394.9	11405.6	11411.1	11405.6	11394.9	11394.9	11373.4	11357.2	11341.1	11335.7
7.5°	11599.6	11610.5	11621.1	11626.5	11621.1	11610.5	11599.6	11567.3	11534.9	11508.0	11486.5
10°	11723.6	11739.8	11761.3	11771.9	11761.3	11739.8	11723.6	11685.9	11642.7	11599.6	11567.3
12.5°	11777.5	11793.7	11820.5	11815.2	11820.5	11793.7	11777.5	11723.6	11675.0	11615.8	11567.3
15°	11739.8	11761.3	11788.1	11799.0	11788.1	11761.3	11739.8	11685.9	11642.7	11578.1	11529.6
17.5°	11621.1	11653.5	11669.7	11685.9	11669.7	11653.5	11621.1	11578.1	11518.9	11465.0	11416.5
20°	11459.5	11481.2	11502.7	11508.0	11502.7	11481.2	11459.5	11411.1	11319.5	11308.7	11271.0
22.5°	11228.0	11244.1	11292.5	11276.3	11292.5	11244.1	11228.0	11184.7	11152.6	11093.1	11055.4
25°	10893.8	10910.0	10915.5	10920.8	10915.5	10910.0	10893.8	10856.1	10823.9	10780.7	10759.2
27.5°	10317.4	10317.4	10328.1	10333.6	10328.1	10317.4	10317.4	10290.4	10268.8	10247.3	10225.8
30°	9444.6	9444.6	9444.6	9471.6	9444.6	9444.6	9444.6	9439.2	9439.2	9444.6	9444.6
32.5°	8437.1	8426.2	8415.6	8426.2	8415.6	8426.2	8437.1	8442.4	8437.1	8453.3	8480.1
35°	7294.8	7289.5	7305.7	7284.2	7305.7	7289.5	7294.8	7294.8	7316.5	7338.1	7343.4
37.5°	6201.1	6190.4	6212.0	6190.4	6212.0	6190.4	6201.1	6195.8	6190.4	6201.1	6185.1
40°	5161.5	5172.1	5172.1	5215.4	5172.1	5172.1	5161.5	5150.6	5112.9	5091.4	5069.9
42.5°	4164.7	4197.0	4186.2	4218.6	4186.2	4197.0	4164.7	4143.2	4099.9	4062.2	4030.1
45°	3221.7	3243.5	3243.5	3254.1	3243.5	3243.5	3221.7	3200.2	3162.5	3130.2	3108.6
47.5°	2472.9	2472.9	2472.9	2478.4	2472.9	2472.9	2472.9	2435.2	2424.5	2403.0	2375.9
50°	1880.3	1885.6	1891.2	1896.5	1891.2	1885.6	1880.3	1869.4	1864.1	1853.3	1847.9
52.5°	1443.9	1449.2	1438.6	1449.2	1438.6	1449.2	1443.9	1449.2	1433.0	1433.0	1427.7
55°	1093.7	1088.4	1093.7	1099.0	1093.7	1088.4	1093.7	1093.7	1088.4	1088.4	1088.4
57.5°	802.8	791.9	791.9	791.9	791.9	791.9	802.8	797.5	813.6	802.8	808.1
60°	598.1	603.4	603.4	608.7	603.4	603.4	598.1	608.7	608.7	614.3	614.3
62.5°	441.7	457.9	447.1	457.9	447.1	457.9	441.7	447.1	447.1	452.6	457.9
65°	285.6	285.6	285.6	290.9	285.6	285.6	285.6	290.9	296.3	290.9	307.1
67.5°	194.0	199.4	210.2	204.7	210.2	199.4	194.0	199.4	199.4	215.6	210.2
70°	156.3	140.2	140.2	156.3	140.2	140.2	156.3	145.5	140.2	150.8	145.5
72.5°	91.6	80.7	91.6	91.6	91.6	80.7	91.6	80.7	86.3	86.3	96.9
75°	48.6	43.0	37.7	53.9	37.7	43.0	48.6	48.6	48.6	48.6	53.9
77.5°	32.4	26.8	37.7	37.7	37.7	26.8	32.4	26.8	32.4	26.8	32.4
80°	16.2	21.5	16.2	26.8	16.2	21.5	16.2	26.8	16.2	21.5	21.5
82.5°	5.3	10.9	10.9	10.9	10.9	10.9	5.3	5.3	10.9	10.9	5.3
85°	0.0	10.9	5.3	5.3	5.3	10.9	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	0.0	0.0	5.3	0.0	0.0	5.3	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: P248585

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9
2.5°	11147.0	11130.8	11136.4	11104.0	11104.0	11093.1	11098.7	11071.6	11061.0	11050.1	11066.3
5°	11308.7	11281.8	11260.1	11211.8	11184.7	11152.6	11136.4	11093.1	11055.4	11023.1	11017.7
7.5°	11438.0	11378.8	11341.1	11276.3	11228.0	11190.3	11136.4	11076.9	11028.6	10985.4	10953.2
10°	11491.9	11432.6	11373.4	11292.5	11238.6	11168.5	11114.6	11039.2	10974.7	10915.5	10877.6
12.5°	11497.2	11421.8	11367.9	11276.3	11206.2	11130.8	11071.6	10985.4	10910.0	10850.7	10791.5
15°	11448.8	11378.8	11314.0	11217.1	11147.0	11076.9	11007.1	10915.5	10845.4	10775.3	10732.3
17.5°	11341.1	11276.3	11200.9	11109.3	11044.8	10980.0	10904.6	10829.2	10748.3	10672.9	10619.0
20°	11200.9	11130.8	11066.3	10974.7	10920.8	10850.7	10780.7	10699.9	10635.2	10559.8	10500.6
22.5°	10990.9	10926.1	10866.9	10813.0	10726.8	10672.9	10624.5	10533.0	10468.2	10398.1	10333.6
25°	10689.1	10624.5	10576.0	10511.2	10473.5	10414.3	10365.8	10285.0	10225.8	10161.1	10107.2
27.5°	10193.4	10155.7	10128.7	10091.0	10058.8	10031.8	10005.0	9940.2	9897.2	9838.0	9784.1
30°	9449.9	9444.6	9428.4	9412.2	9433.7	9433.7	9433.7	9423.1	9385.4	9342.1	9304.4
32.5°	8496.3	8507.2	8528.7	8544.9	8587.9	8636.5	8679.5	8701.0	8701.0	8674.2	8658.0
35°	7359.6	7375.8	7408.1	7451.2	7505.0	7564.3	7661.2	7682.9	7698.9	7698.9	7677.4
37.5°	6179.6	6174.3	6206.6	6244.3	6276.7	6319.7	6389.8	6406.0	6432.8	6422.2	6400.5
40°	5032.0	5005.1	4994.3	5005.1	5042.8	5026.6	5042.8	5032.0	5032.0	4994.3	4994.3
42.5°	3970.6	3938.5	3916.7	3900.8	3900.8	3862.8	3836.0	3809.2	3793.0	3765.9	3760.6
45°	3060.3	3022.4	2995.5	2984.7	2968.7	2920.1	2887.8	2855.4	2817.7	2807.0	2812.4
47.5°	2375.9	2338.2	2327.4	2300.5	2273.5	2246.7	2225.1	2187.4	2181.9	2160.4	2181.9
50°	1831.7	1821.1	1804.9	1794.0	1777.9	1756.3	1734.8	1713.3	1702.5	1702.5	1707.8
52.5°	1422.4	1427.7	1411.5	1395.3	1384.7	1384.7	1357.6	1352.3	1352.3	1330.8	1352.3
55°	1088.4	1082.9	1088.4	1077.5	1077.5	1061.3	1061.3	1045.2	1045.2	1029.0	1039.8
57.5°	797.5	808.1	797.5	802.8	813.6	797.5	791.9	775.7	786.6	775.7	781.3
60°	619.6	619.6	619.6	614.3	614.3	608.7	608.7	603.4	603.4	592.5	603.4
62.5°	457.9	463.3	463.3	463.3	468.8	463.3	457.9	463.3	457.9	457.9	463.3
65°	301.8	307.1	307.1	301.8	312.5	301.8	307.1	312.5	317.8	312.5	317.8
67.5°	204.7	204.7	210.2	215.6	210.2	215.6	220.9	215.6	220.9	231.7	220.9
70°	150.8	156.3	156.3	150.8	145.5	150.8	145.5	161.7	161.7	161.7	172.3
72.5°	96.9	96.9	91.6	91.6	91.6	91.6	91.6	107.8	96.9	91.6	102.5
75°	53.9	59.2	59.2	43.0	48.6	59.2	43.0	48.6	64.8	53.9	64.8
77.5°	32.4	32.4	32.4	32.4	32.4	32.4	43.0	37.7	37.7	37.7	43.0
80°	26.8	21.5	21.5	16.2	21.5	21.5	21.5	32.4	26.8	26.8	32.4
82.5°	10.9	10.9	5.3	0.0	10.9	10.9	10.9	10.9	10.9	10.9	21.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	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: P248585

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9
2.5°	11023.1	11023.1	11017.7	11007.1	10985.4	10985.4	10980.0	10963.8	10953.2	10947.7	10947.7
5°	10969.2	10947.7	10926.1	10866.9	10866.9	10856.1	10823.9	10802.2	10791.5	10764.5	10753.8
7.5°	10920.8	10856.1	10818.4	10780.7	10732.3	10710.6	10672.9	10656.7	10619.0	10592.2	10576.0
10°	10802.2	10759.2	10710.6	10651.4	10613.7	10570.7	10527.4	10495.3	10446.7	10419.6	10398.1
12.5°	10721.5	10656.7	10613.7	10548.9	10484.4	10446.7	10387.5	10349.8	10301.2	10247.3	10215.0
15°	10646.1	10576.0	10516.8	10446.7	10376.6	10333.6	10263.5	10220.5	10150.4	10096.5	10058.8
17.5°	10533.0	10473.5	10409.0	10322.7	10258.2	10204.3	10128.7	10075.0	10010.3	9940.2	9902.5
20°	10414.3	10344.2	10279.7	10193.4	10128.7	10064.2	9988.8	9929.6	9853.9	9789.4	9746.4
22.5°	10258.2	10177.3	10123.4	10037.1	9961.7	9891.9	9821.8	9751.7	9681.6	9627.7	9579.2
25°	10031.8	9945.5	9886.3	9816.2	9746.4	9692.5	9606.2	9563.2	9493.1	9444.6	9396.0
27.5°	9708.5	9643.9	9590.0	9520.0	9460.8	9417.7	9353.0	9310.0	9250.5	9207.5	9169.8
30°	9234.6	9180.7	9132.1	9062.0	9019.0	8981.3	8921.9	8884.2	8841.2	8792.6	8781.9
32.5°	8598.8	8555.5	8507.2	8458.6	8426.2	8404.7	8356.2	8334.6	8291.6	8264.6	8237.7
35°	7639.7	7602.0	7575.1	7553.6	7542.7	7548.1	7537.4	7558.9	7569.6	7564.3	7569.6
37.5°	6384.5	6362.8	6373.6	6389.8	6443.7	6513.8	6578.3	6675.2	6740.0	6804.7	6863.9
40°	4983.6	4999.8	5042.8	5139.7	5279.9	5436.2	5581.7	5764.9	5948.1	6077.3	6195.8
42.5°	3760.6	3809.2	3916.7	4056.9	4267.1	4498.6	4725.1	4994.3	5215.4	5430.7	5581.7
45°	2828.6	2893.1	3033.2	3227.3	3458.8	3728.2	4013.9	4315.5	4579.6	4800.5	4967.4
47.5°	2203.6	2262.8	2403.0	2607.7	2893.1	3173.4	3469.7	3782.1	4056.9	4272.4	4417.9
50°	1740.2	1815.6	1939.5	2155.1	2440.7	2737.0	3044.1	3351.0	3609.8	3793.0	3922.3
52.5°	1368.5	1438.6	1557.0	1783.4	2074.3	2370.6	2656.0	2957.8	3184.0	3361.9	3448.2
55°	1061.3	1126.1	1249.8	1438.6	1713.3	2004.3	2289.7	2548.5	2758.5	2887.8	2968.7
57.5°	808.1	856.7	942.9	1131.4	1379.4	1648.6	1891.2	2149.7	2311.4	2403.0	2456.7
60°	614.3	652.0	743.6	889.0	1115.2	1347.0	1551.7	1745.7	1875.0	1950.4	2004.3
62.5°	463.3	506.5	571.0	695.0	867.3	1056.0	1228.3	1373.8	1481.6	1530.1	1567.8
65°	317.8	350.2	398.7	495.6	641.1	775.7	910.5	1018.3	1088.4	1142.3	1163.8
67.5°	237.1	258.6	285.6	361.0	463.3	571.0	662.6	738.0	813.6	835.2	872.8
70°	177.9	194.0	220.9	274.8	334.0	409.4	485.0	528.0	581.9	619.6	630.5
72.5°	113.1	118.4	145.5	177.9	226.2	274.8	323.3	361.0	393.4	414.9	425.6
75°	64.8	96.9	96.9	129.3	161.7	183.2	215.6	242.4	258.6	274.8	274.8
77.5°	43.0	59.2	64.8	80.7	96.9	124.0	150.8	167.0	183.2	188.5	188.5
80°	37.7	43.0	43.0	59.2	70.1	91.6	107.8	113.1	124.0	129.3	140.2
82.5°	16.2	21.5	26.8	43.0	48.6	48.6	64.8	70.1	80.7	86.3	86.3
85°	5.3	10.9	10.9	16.2	26.8	32.4	37.7	43.0	48.6	48.6	53.9
87.5°	5.3	5.3	0.0	5.3	10.9	10.9	21.5	21.5	21.5	32.4	32.4
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: P248585

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9	11033.9
2.5°	10937.0	10942.3	10920.8	10915.5	10904.6	10910.0	10920.8
5°	10737.6	10743.0	10721.5	10699.9	10699.9	10694.4	10699.9
7.5°	10548.9	10554.5	10522.1	10511.2	10489.7	10495.3	10495.3
10°	10360.4	10360.4	10312.1	10306.5	10290.4	10285.0	10285.0
12.5°	10177.3	10161.1	10123.4	10101.9	10112.7	10080.3	10080.3
15°	10015.6	9988.8	9940.2	9924.0	9897.2	9886.3	9886.3
17.5°	9848.6	9827.1	9784.1	9751.7	9719.3	9714.0	9719.3
20°	9686.9	9665.4	9611.5	9590.0	9563.2	9563.2	9552.3
22.5°	9525.3	9503.8	9455.4	9439.2	9401.5	9401.5	9406.9
25°	9358.3	9342.1	9288.2	9277.6	9272.3	9250.5	9261.4
27.5°	9132.1	9121.2	9078.2	9062.0	9040.5	9035.2	9045.8
30°	8717.2	8701.0	8668.8	8652.7	8615.0	8620.3	8630.9
32.5°	8200.0	8178.5	8135.3	8119.1	8086.9	8076.1	8081.4
35°	7553.6	7537.4	7499.7	7499.7	7467.3	7456.5	7467.3
37.5°	6896.3	6912.3	6896.3	6912.3	6896.3	6890.8	6896.3
40°	6276.7	6335.9	6346.6	6406.0	6384.5	6416.6	6411.3
42.5°	5683.9	5780.9	5818.8	5867.1	5856.5	5878.0	5894.2
45°	5085.9	5166.8	5204.5	5236.9	5242.2	5253.1	5258.4
47.5°	4520.1	4584.9	4590.2	4627.9	4622.6	4622.6	4638.8
50°	3992.4	4035.4	4046.0	4073.1	4051.6	4040.7	4046.0
52.5°	3502.0	3545.1	3534.2	3545.1	3518.2	3507.4	3512.7
55°	3000.9	3022.4	3022.4	3022.4	2990.2	2990.2	2990.2
57.5°	2489.0	2494.6	2483.7	2489.0	2483.7	2451.3	2446.0
60°	2020.5	2020.5	2014.9	2020.5	2004.3	1988.1	1988.1
62.5°	1578.5	1589.4	1610.9	1589.4	1578.5	1589.4	1573.2
65°	1180.0	1201.5	1196.0	1206.8	1201.5	1201.5	1190.6
67.5°	889.0	894.4	899.7	905.2	905.2	905.2	905.2
70°	652.0	668.2	662.6	662.6	662.6	662.6	695.0
72.5°	436.4	457.9	452.6	463.3	463.3	474.1	463.3
75°	296.3	317.8	307.1	323.3	317.8	307.1	334.0
77.5°	199.4	210.2	215.6	220.9	215.6	210.2	215.6
80°	140.2	150.8	145.5	150.8	150.8	150.8	156.3
82.5°	86.3	102.5	96.9	102.5	96.9	102.5	102.5
85°	59.2	64.8	53.9	64.8	59.2	59.2	70.1
87.5°	37.7	32.4	32.4	37.7	32.4	37.7	32.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)