

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: P248693

Luminaire Tested: **LD8B175D010 ER8B175850 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248693
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18423.0 lumens
Efficiency: N/A
Efficacy: 104.0 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

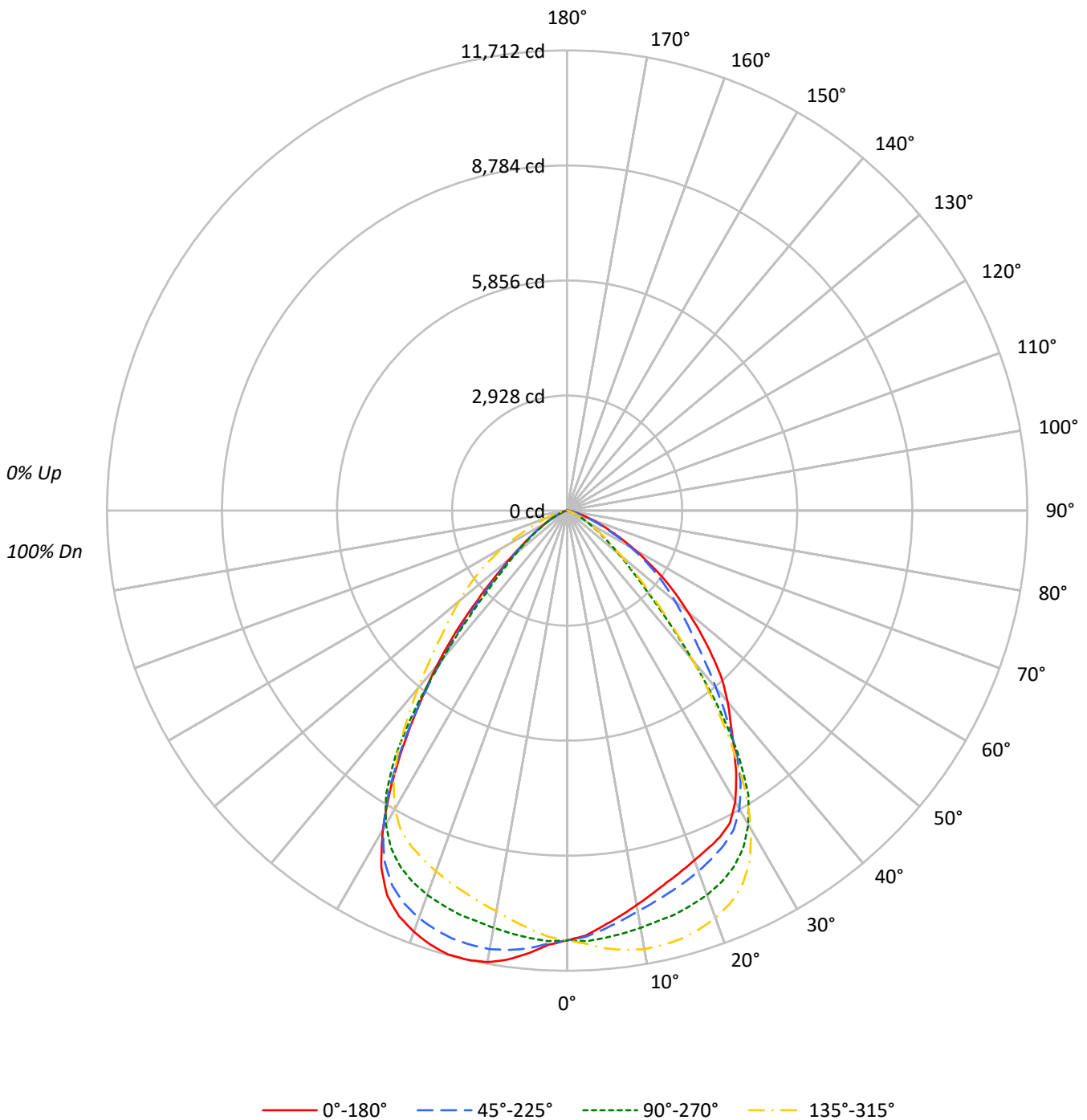
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	337263	337263	337263	337263
5°	328302	338053	350125	338053
10°	319220	337612	365370	337612
15°	312843	339615	373368	339615
20°	310715	341558	374328	341558
25°	312348	340871	368311	340871
30°	304623	328394	334294	328394
35°	278639	286472	271802	286472
40°	255818	199277	208097	199277
45°	227304	121569	140666	121569
50°	192395	81208	90184	81208
55°	159349	55412	58568	55412
60°	121532	36886	37213	36886
65°	86113	22984	21043	22984
70°	62111	15399	13975	15399
75°	39436	7649	6362	7649
80°	27525	5700	4724	5700
85°	24590	0	1875	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1041.0	5.7
10°-20°	3014.6	16.4
20°-30°	4564.7	24.8
30°-40°	4574.9	24.8
40°-50°	2872.8	15.6
50°-60°	1530.9	8.3
60°-70°	629.5	3.4
70°-80°	166.3	0.9
80°-90°	28.1	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°	8620.3	46.8
0°-40°	13195.2	71.6
0°-60°	17599.0	95.5
0°-90°	18423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18423.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10937	10937	10937	10937	10937	
5°	10606	10921	11311	10921	10606	###
15°	9800	10638	11696	10638	9800	2772
25°	9180	10018	10825	10018	9180	4210
35°	7402	7610	7220	7610	7402	4637
45°	5212	2788	3226	2788	5212	4009
55°	2964	1031	1089	1031	2964	2643
65°	1180	315	288	315	1180	1224
75°	331	64	53	64	331	375
85°	70	0	5	0	70	76
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°	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2
2.5°	10825.0	10814.3	10809.0	10819.8	10825.0	10846.4	10841.1	10851.6	10851.6	10857.1	10867.7
5°	10606.1	10600.6	10606.1	10606.1	10627.4	10648.8	10643.5	10659.5	10670.1	10696.9	10707.4
7.5°	10403.2	10403.2	10397.7	10419.0	10429.8	10461.9	10456.4	10483.2	10499.3	10525.9	10563.2
10°	10194.8	10194.8	10200.1	10216.2	10221.7	10269.6	10269.6	10306.9	10328.3	10355.1	10403.2
12.5°	9991.9	9991.9	10024.0	10013.3	10034.6	10072.0	10088.0	10125.4	10157.5	10210.9	10259.0
15°	9799.6	9799.6	9810.4	9837.0	9853.0	9901.2	9927.8	9970.6	10008.0	10061.4	10130.9
17.5°	9634.1	9628.8	9634.1	9666.2	9698.3	9740.9	9762.2	9815.7	9853.0	9922.5	9986.7
20°	9468.6	9479.3	9479.3	9505.9	9527.3	9580.7	9602.0	9660.9	9703.5	9767.5	9842.5
22.5°	9324.4	9319.1	9319.1	9356.5	9372.5	9420.4	9441.7	9495.2	9543.3	9596.7	9666.2
25°	9180.2	9169.4	9190.9	9196.2	9206.8	9260.2	9276.2	9313.6	9361.7	9409.9	9479.3
27.5°	8966.5	8956.0	8961.2	8982.6	8998.6	9041.2	9052.0	9089.4	9126.7	9169.4	9228.3
30°	8555.2	8544.7	8539.4	8576.8	8592.8	8624.7	8640.7	8704.9	8715.5	8763.6	8806.3
32.5°	8010.5	8005.2	8016.0	8047.9	8063.9	8106.8	8128.1	8165.5	8192.1	8218.9	8261.6
35°	7401.9	7391.1	7401.9	7433.9	7433.9	7471.3	7487.4	7503.2	7497.9	7503.2	7492.6
37.5°	6835.8	6830.3	6835.8	6851.7	6835.8	6851.7	6835.8	6803.7	6745.0	6680.9	6616.7
40°	6355.1	6360.4	6328.5	6349.8	6290.9	6280.4	6221.7	6141.4	6024.1	5895.9	5714.3
42.5°	5842.5	5826.4	5805.1	5815.7	5767.7	5730.2	5634.1	5532.8	5383.1	5169.6	4950.5
45°	5212.3	5207.0	5196.2	5190.9	5158.9	5121.5	5041.3	4923.9	4758.4	4539.4	4277.6
47.5°	4598.1	4582.1	4582.1	4587.3	4550.0	4544.7	4480.5	4379.2	4235.0	4021.3	3749.0
50°	4010.5	4005.3	4016.0	4037.4	4010.5	4000.0	3957.3	3887.9	3759.7	3578.2	3321.6
52.5°	3481.9	3476.6	3487.4	3514.0	3503.2	3514.0	3471.3	3417.9	3332.4	3156.1	2931.9
55°	2964.0	2964.0	2964.0	2995.9	2995.9	2995.9	2974.5	2942.7	2862.4	2734.3	2526.1
57.5°	2424.6	2429.8	2461.9	2467.2	2461.9	2472.7	2467.2	2435.1	2381.9	2291.1	2130.9
60°	1970.6	1970.6	1986.7	2002.7	1997.2	2002.7	2002.7	1986.7	1933.3	1858.5	1730.4
62.5°	1559.4	1575.4	1564.6	1575.4	1596.7	1575.4	1564.6	1554.1	1516.7	1468.6	1361.8
65°	1180.2	1191.0	1191.0	1196.2	1185.5	1191.0	1169.6	1153.6	1132.3	1078.9	1009.4
67.5°	897.3	897.3	897.3	897.3	891.8	886.5	881.2	865.2	827.8	806.5	731.5
70°	688.9	656.8	656.8	656.8	656.8	662.3	646.3	624.9	614.2	576.8	523.4
72.5°	459.2	470.0	459.2	459.2	448.6	453.9	432.6	421.8	411.3	390.0	357.9
75°	331.0	304.4	315.0	320.5	304.4	315.0	293.7	272.4	272.4	256.3	240.3
77.5°	213.7	208.4	213.7	218.9	213.7	208.4	197.6	186.8	186.8	181.6	165.5
80°	155.0	149.5	149.5	149.5	144.2	149.5	138.9	138.9	128.2	122.9	112.1
82.5°	101.6	101.6	96.1	101.6	96.1	101.6	85.5	85.5	85.5	80.0	69.5
85°	69.5	58.7	58.7	64.2	53.4	64.2	58.7	53.4	48.1	48.1	42.6
87.5°	32.1	37.4	32.1	37.4	32.1	32.1	37.4	32.1	32.1	21.3	21.3
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°	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2
2.5°	10883.7	10889.0	10889.0	10910.6	10921.1	10926.4	10926.4	10969.2	10953.2	10964.0	10974.5
5°	10729.0	10760.9	10771.6	10771.6	10830.3	10851.6	10873.0	10921.1	10926.4	10958.5	10995.8
7.5°	10579.3	10616.7	10638.2	10686.1	10723.5	10760.9	10825.0	10857.1	10889.0	10931.9	10979.8
10°	10435.1	10478.0	10520.6	10558.0	10616.7	10664.8	10707.4	10782.2	10819.8	10878.5	10942.4
12.5°	10296.4	10355.1	10392.4	10456.4	10520.6	10563.2	10627.4	10696.9	10755.6	10814.3	10889.0
15°	10173.5	10243.0	10285.6	10355.1	10424.5	10483.2	10552.7	10638.2	10680.8	10750.3	10819.8
17.5°	10039.9	10114.8	10168.2	10232.2	10317.7	10381.7	10440.6	10525.9	10579.3	10654.0	10734.3
20°	9901.2	9975.9	10039.9	10104.1	10189.6	10253.5	10323.0	10408.5	10467.2	10541.9	10606.1
22.5°	9735.6	9805.1	9874.3	9949.1	10034.6	10088.0	10168.2	10243.0	10306.9	10376.4	10440.6
25°	9522.0	9607.5	9660.9	9730.1	9799.6	9858.3	9943.8	10018.5	10072.0	10136.1	10194.8
27.5°	9270.9	9335.1	9377.8	9436.5	9505.9	9559.3	9623.3	9698.3	9751.7	9810.4	9853.0
30°	8843.6	8902.5	8939.9	8982.6	9052.0	9100.2	9153.6	9222.8	9260.2	9303.0	9340.4
32.5°	8282.9	8331.0	8352.3	8384.4	8432.6	8480.5	8523.4	8582.0	8598.1	8624.7	8624.7
35°	7471.3	7481.9	7476.6	7487.4	7508.7	7535.3	7572.7	7610.0	7631.3	7631.3	7615.5
37.5°	6520.6	6456.6	6387.2	6333.8	6317.7	6307.0	6328.5	6344.3	6365.9	6376.4	6349.8
40°	5532.8	5388.6	5233.6	5094.7	4998.6	4956.0	4939.9	4950.5	4950.5	4987.8	4987.8
42.5°	4683.6	4459.2	4229.7	4021.3	3882.4	3775.8	3727.6	3727.6	3732.9	3759.7	3775.8
45°	3978.7	3695.5	3428.5	3199.0	3006.6	2867.7	2803.7	2787.7	2782.4	2793.0	2830.3
47.5°	3439.2	3145.6	2867.7	2584.8	2381.9	2243.0	2184.3	2162.8	2141.4	2162.8	2168.3
50°	3017.4	2713.0	2419.3	2136.2	1922.5	1799.6	1724.9	1692.8	1687.5	1687.5	1698.3
52.5°	2632.7	2349.8	2056.2	1767.8	1543.3	1425.9	1356.5	1340.4	1319.1	1340.4	1340.4
55°	2269.6	1986.7	1698.3	1425.9	1238.9	1116.2	1052.0	1030.7	1019.9	1036.0	1036.0
57.5°	1874.6	1634.1	1367.3	1121.5	934.7	849.1	801.0	774.4	768.9	779.7	768.9
60°	1538.1	1335.2	1105.5	881.2	737.0	646.3	608.9	598.1	587.3	598.1	598.1
62.5°	1217.6	1046.8	859.7	688.9	566.0	502.1	459.2	459.2	453.9	453.9	459.2
65°	902.6	768.9	635.5	491.3	395.2	347.1	315.0	315.0	309.7	315.0	309.7
67.5°	656.8	566.0	459.2	357.9	283.1	256.3	235.0	218.9	229.7	218.9	213.7
70°	480.7	405.8	331.0	272.4	218.9	192.3	176.3	170.8	160.2	160.2	160.2
72.5°	320.5	272.4	224.2	176.3	144.2	117.4	112.1	101.6	90.8	96.1	106.8
75°	213.7	181.6	160.2	128.2	96.1	96.1	64.2	64.2	53.4	64.2	48.1
77.5°	149.5	122.9	96.1	80.0	64.2	58.7	42.6	42.6	37.4	37.4	37.4
80°	106.8	90.8	69.5	58.7	42.6	42.6	37.4	32.1	26.6	26.6	32.1
82.5°	64.2	48.1	48.1	42.6	26.6	21.3	16.0	21.3	10.8	10.8	10.8
85°	37.4	32.1	26.6	16.0	10.8	10.8	5.3	0.0	5.3	5.3	0.0
87.5°	21.3	10.8	10.8	5.3	0.0	5.3	5.3	0.0	0.0	0.0	10.8
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°	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2
2.5°	11001.3	10995.8	11006.6	11006.6	11038.7	11033.2	11049.3	11049.3	11038.7	11044.0	11065.3
5°	11038.7	11054.8	11086.6	11113.4	11161.4	11182.9	11209.5	11236.3	11241.6	11257.6	11273.7
7.5°	11038.7	11092.1	11129.5	11177.4	11241.6	11279.0	11337.7	11385.8	11407.1	11433.7	11465.8
10°	11017.2	11070.6	11140.0	11193.5	11273.7	11332.4	11391.1	11465.8	11497.9	11540.5	11583.4
12.5°	10974.5	11033.2	11107.9	11177.4	11268.2	11321.6	11396.3	11465.8	11513.9	11572.6	11620.8
15°	10910.6	10979.8	11049.3	11118.7	11214.8	11279.0	11348.4	11428.4	11476.6	11540.5	11583.4
17.5°	10809.0	10883.7	10947.9	11011.9	11102.7	11177.4	11241.6	11316.3	11364.5	11417.9	11476.6
20°	10686.1	10755.6	10825.0	10878.5	10969.2	11033.2	11102.7	11172.1	11209.5	11220.3	11311.1
22.5°	10531.4	10579.3	10632.7	10718.2	10771.6	10830.3	10894.5	10958.5	10995.8	11054.8	11086.6
25°	10274.8	10323.0	10381.7	10419.0	10483.2	10531.4	10595.3	10664.8	10686.1	10729.0	10760.9
27.5°	9917.2	9943.8	9970.6	10002.5	10039.9	10066.7	10104.1	10136.1	10157.5	10178.8	10200.1
30°	9351.0	9351.0	9351.0	9329.6	9345.7	9361.7	9367.0	9361.7	9361.7	9356.5	9356.5
32.5°	8603.4	8560.7	8512.6	8469.9	8453.9	8432.6	8421.8	8405.8	8379.2	8363.1	8368.4
35°	7594.0	7497.9	7439.2	7385.8	7343.2	7311.1	7295.0	7279.0	7273.7	7252.4	7230.8
37.5°	6333.8	6264.3	6221.7	6189.6	6152.2	6120.1	6125.4	6130.9	6146.7	6136.2	6141.4
40°	4998.6	4982.6	4998.6	4961.2	4950.5	4961.2	4987.8	5025.4	5046.7	5068.1	5105.4
42.5°	3802.4	3829.0	3866.6	3866.6	3882.4	3903.9	3935.8	3994.7	4026.6	4064.0	4106.8
45°	2862.4	2894.5	2942.7	2958.5	2969.3	2995.9	3033.5	3081.4	3102.7	3134.8	3172.2
47.5°	2205.6	2227.0	2253.6	2280.4	2307.0	2317.7	2355.1	2355.1	2381.9	2403.2	2413.8
50°	1719.6	1740.9	1762.3	1778.3	1789.1	1805.1	1815.7	1831.7	1837.0	1847.8	1853.0
52.5°	1345.7	1372.5	1372.5	1383.1	1399.1	1415.2	1409.9	1415.2	1420.4	1420.4	1436.5
55°	1052.0	1052.0	1068.1	1068.1	1078.9	1073.4	1078.9	1078.9	1078.9	1078.9	1084.1
57.5°	785.0	790.5	806.5	795.7	790.5	801.0	790.5	801.0	795.7	806.5	790.5
60°	603.4	603.4	608.9	608.9	614.2	614.2	614.2	608.9	608.9	603.4	603.4
62.5°	453.9	459.2	464.7	459.2	459.2	459.2	453.9	453.9	448.6	443.1	443.1
65°	304.4	299.2	309.7	299.2	304.4	304.4	299.2	304.4	288.4	293.7	288.4
67.5°	218.9	213.7	208.4	213.7	208.4	202.9	202.9	208.4	213.7	197.6	197.6
70°	144.2	149.5	144.2	149.5	155.0	155.0	149.5	144.2	149.5	138.9	144.2
72.5°	90.8	90.8	90.8	90.8	90.8	96.1	96.1	96.1	85.5	85.5	80.0
75°	42.6	58.7	48.1	42.6	58.7	58.7	53.4	53.4	48.1	48.1	48.1
77.5°	42.6	32.1	32.1	32.1	32.1	32.1	32.1	32.1	26.6	32.1	26.6
80°	21.3	21.3	21.3	16.0	21.3	21.3	26.6	21.3	21.3	16.0	26.6
82.5°	10.8	10.8	10.8	0.0	5.3	10.8	10.8	5.3	10.8	10.8	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: P248693

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2
2.5°	11060.0	11054.8	11060.0	11065.3	11060.0	11054.8	11060.0	11065.3	11044.0	11038.7	11049.3
5°	11295.0	11295.0	11305.6	11311.1	11305.6	11295.0	11295.0	11273.7	11257.6	11241.6	11236.3
7.5°	11497.9	11508.7	11519.2	11524.5	11519.2	11508.7	11497.9	11465.8	11433.7	11407.1	11385.8
10°	11620.8	11636.8	11658.1	11668.7	11658.1	11636.8	11620.8	11583.4	11540.5	11497.9	11465.8
12.5°	11674.2	11690.2	11716.8	11711.6	11716.8	11690.2	11674.2	11620.8	11572.6	11513.9	11465.8
15°	11636.8	11658.1	11684.7	11695.5	11684.7	11658.1	11636.8	11583.4	11540.5	11476.6	11428.4
17.5°	11519.2	11551.3	11567.4	11583.4	11567.4	11551.3	11519.2	11476.6	11417.9	11364.5	11316.3
20°	11359.0	11380.5	11401.8	11407.1	11401.8	11380.5	11359.0	11311.1	11220.3	11209.5	11172.1
22.5°	11129.5	11145.5	11193.5	11177.4	11193.5	11145.5	11129.5	11086.6	11054.8	10995.8	10958.5
25°	10798.2	10814.3	10819.8	10825.0	10819.8	10814.3	10798.2	10760.9	10729.0	10686.1	10664.8
27.5°	10226.9	10226.9	10237.5	10243.0	10237.5	10226.9	10226.9	10200.1	10178.8	10157.5	10136.1
30°	9361.7	9361.7	9361.7	9388.5	9361.7	9361.7	9361.7	9356.5	9356.5	9361.7	9361.7
32.5°	8363.1	8352.3	8341.8	8352.3	8341.8	8352.3	8363.1	8368.4	8363.1	8379.2	8405.8
35°	7230.8	7225.6	7241.6	7220.3	7241.6	7225.6	7230.8	7230.8	7252.4	7273.7	7279.0
37.5°	6146.7	6136.2	6157.5	6136.2	6157.5	6136.2	6146.7	6141.4	6136.2	6146.7	6130.9
40°	5116.2	5126.8	5126.8	5169.6	5126.8	5126.8	5116.2	5105.4	5068.1	5046.7	5025.4
42.5°	4128.1	4160.2	4149.5	4181.6	4149.5	4160.2	4128.1	4106.8	4064.0	4026.6	3994.7
45°	3193.5	3215.0	3215.0	3225.6	3215.0	3215.0	3193.5	3172.2	3134.8	3102.7	3081.4
47.5°	2451.2	2451.2	2451.2	2456.7	2451.2	2451.2	2451.2	2413.8	2403.2	2381.9	2355.1
50°	1863.8	1869.1	1874.6	1879.9	1874.6	1869.1	1863.8	1853.0	1847.8	1837.0	1831.7
52.5°	1431.2	1436.5	1425.9	1436.5	1425.9	1436.5	1431.2	1436.5	1420.4	1420.4	1415.2
55°	1084.1	1078.9	1084.1	1089.4	1084.1	1078.9	1084.1	1084.1	1078.9	1078.9	1078.9
57.5°	795.7	785.0	785.0	785.0	785.0	785.0	795.7	790.5	806.5	795.7	801.0
60°	592.8	598.1	598.1	603.4	598.1	598.1	592.8	603.4	603.4	608.9	608.9
62.5°	437.9	453.9	443.1	453.9	443.1	453.9	437.9	443.1	443.1	448.6	453.9
65°	283.1	283.1	283.1	288.4	283.1	283.1	283.1	288.4	293.7	288.4	304.4
67.5°	192.3	197.6	208.4	202.9	208.4	197.6	192.3	197.6	197.6	213.7	208.4
70°	155.0	138.9	138.9	155.0	138.9	138.9	155.0	144.2	138.9	149.5	144.2
72.5°	90.8	80.0	90.8	90.8	90.8	80.0	90.8	80.0	85.5	85.5	96.1
75°	48.1	42.6	37.4	53.4	37.4	42.6	48.1	48.1	48.1	48.1	53.4
77.5°	32.1	26.6	37.4	37.4	37.4	26.6	32.1	26.6	32.1	26.6	32.1
80°	16.0	21.3	16.0	26.6	16.0	21.3	16.0	26.6	16.0	21.3	21.3
82.5°	5.3	10.8	10.8	10.8	10.8	10.8	5.3	5.3	10.8	10.8	5.3
85°	0.0	10.8	5.3	5.3	5.3	10.8	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: P248693

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2
2.5°	11049.3	11033.2	11038.7	11006.6	11006.6	10995.8	11001.3	10974.5	10964.0	10953.2	10969.2
5°	11209.5	11182.9	11161.4	11113.4	11086.6	11054.8	11038.7	10995.8	10958.5	10926.4	10921.1
7.5°	11337.7	11279.0	11241.6	11177.4	11129.5	11092.1	11038.7	10979.8	10931.9	10889.0	10857.1
10°	11391.1	11332.4	11273.7	11193.5	11140.0	11070.6	11017.2	10942.4	10878.5	10819.8	10782.2
12.5°	11396.3	11321.6	11268.2	11177.4	11107.9	11033.2	10974.5	10889.0	10814.3	10755.6	10696.9
15°	11348.4	11279.0	11214.8	11118.7	11049.3	10979.8	10910.6	10819.8	10750.3	10680.8	10638.2
17.5°	11241.6	11177.4	11102.7	11011.9	10947.9	10883.7	10809.0	10734.3	10654.0	10579.3	10525.9
20°	11102.7	11033.2	10969.2	10878.5	10825.0	10755.6	10686.1	10606.1	10541.9	10467.2	10408.5
22.5°	10894.5	10830.3	10771.6	10718.2	10632.7	10579.3	10531.4	10440.6	10376.4	10306.9	10243.0
25°	10595.3	10531.4	10483.2	10419.0	10381.7	10323.0	10274.8	10194.8	10136.1	10072.0	10018.5
27.5°	10104.1	10066.7	10039.9	10002.5	9970.6	9943.8	9917.2	9853.0	9810.4	9751.7	9698.3
30°	9367.0	9361.7	9345.7	9329.6	9351.0	9351.0	9351.0	9340.4	9303.0	9260.2	9222.8
32.5°	8421.8	8432.6	8453.9	8469.9	8512.6	8560.7	8603.4	8624.7	8624.7	8598.1	8582.0
35°	7295.0	7311.1	7343.2	7385.8	7439.2	7497.9	7594.0	7615.5	7631.3	7631.3	7610.0
37.5°	6125.4	6120.1	6152.2	6189.6	6221.7	6264.3	6333.8	6349.8	6376.4	6365.9	6344.3
40°	4987.8	4961.2	4950.5	4961.2	4998.6	4982.6	4998.6	4987.8	4987.8	4950.5	4950.5
42.5°	3935.8	3903.9	3882.4	3866.6	3866.6	3829.0	3802.4	3775.8	3759.7	3732.9	3727.6
45°	3033.5	2995.9	2969.3	2958.5	2942.7	2894.5	2862.4	2830.3	2793.0	2782.4	2787.7
47.5°	2355.1	2317.7	2307.0	2280.4	2253.6	2227.0	2205.6	2168.3	2162.8	2141.4	2162.8
50°	1815.7	1805.1	1789.1	1778.3	1762.3	1740.9	1719.6	1698.3	1687.5	1687.5	1692.8
52.5°	1409.9	1415.2	1399.1	1383.1	1372.5	1372.5	1345.7	1340.4	1340.4	1319.1	1340.4
55°	1078.9	1073.4	1078.9	1068.1	1068.1	1052.0	1052.0	1036.0	1036.0	1019.9	1030.7
57.5°	790.5	801.0	790.5	795.7	806.5	790.5	785.0	768.9	779.7	768.9	774.4
60°	614.2	614.2	614.2	608.9	608.9	603.4	603.4	598.1	598.1	587.3	598.1
62.5°	453.9	459.2	459.2	459.2	464.7	459.2	453.9	459.2	453.9	453.9	459.2
65°	299.2	304.4	304.4	299.2	309.7	299.2	304.4	309.7	315.0	309.7	315.0
67.5°	202.9	202.9	208.4	213.7	208.4	213.7	218.9	213.7	218.9	229.7	218.9
70°	149.5	155.0	155.0	149.5	144.2	149.5	144.2	160.2	160.2	160.2	170.8
72.5°	96.1	96.1	90.8	90.8	90.8	90.8	90.8	106.8	96.1	90.8	101.6
75°	53.4	58.7	58.7	42.6	48.1	58.7	42.6	48.1	64.2	53.4	64.2
77.5°	32.1	32.1	32.1	32.1	32.1	32.1	42.6	37.4	37.4	37.4	42.6
80°	26.6	21.3	21.3	16.0	21.3	21.3	21.3	32.1	26.6	26.6	32.1
82.5°	10.8	10.8	5.3	0.0	10.8	10.8	10.8	10.8	10.8	10.8	21.3
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	10.8	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: P248693

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2
2.5°	10926.4	10926.4	10921.1	10910.6	10889.0	10889.0	10883.7	10867.7	10857.1	10851.6	10851.6
5°	10873.0	10851.6	10830.3	10771.6	10771.6	10760.9	10729.0	10707.4	10696.9	10670.1	10659.5
7.5°	10825.0	10760.9	10723.5	10686.1	10638.2	10616.7	10579.3	10563.2	10525.9	10499.3	10483.2
10°	10707.4	10664.8	10616.7	10558.0	10520.6	10478.0	10435.1	10403.2	10355.1	10328.3	10306.9
12.5°	10627.4	10563.2	10520.6	10456.4	10392.4	10355.1	10296.4	10259.0	10210.9	10157.5	10125.4
15°	10552.7	10483.2	10424.5	10355.1	10285.6	10243.0	10173.5	10130.9	10061.4	10008.0	9970.6
17.5°	10440.6	10381.7	10317.7	10232.2	10168.2	10114.8	10039.9	9986.7	9922.5	9853.0	9815.7
20°	10323.0	10253.5	10189.6	10104.1	10039.9	9975.9	9901.2	9842.5	9767.5	9703.5	9660.9
22.5°	10168.2	10088.0	10034.6	9949.1	9874.3	9805.1	9735.6	9666.2	9596.7	9543.3	9495.2
25°	9943.8	9858.3	9799.6	9730.1	9660.9	9607.5	9522.0	9479.3	9409.9	9361.7	9313.6
27.5°	9623.3	9559.3	9505.9	9436.5	9377.8	9335.1	9270.9	9228.3	9169.4	9126.7	9089.4
30°	9153.6	9100.2	9052.0	8982.6	8939.9	8902.5	8843.6	8806.3	8763.6	8715.5	8704.9
32.5°	8523.4	8480.5	8432.6	8384.4	8352.3	8331.0	8282.9	8261.6	8218.9	8192.1	8165.5
35°	7572.7	7535.3	7508.7	7487.4	7476.6	7481.9	7471.3	7492.6	7503.2	7497.9	7503.2
37.5°	6328.5	6307.0	6317.7	6333.8	6387.2	6456.6	6520.6	6616.7	6680.9	6745.0	6803.7
40°	4939.9	4956.0	4998.6	5094.7	5233.6	5388.6	5532.8	5714.3	5895.9	6024.1	6141.4
42.5°	3727.6	3775.8	3882.4	4021.3	4229.7	4459.2	4683.6	4950.5	5169.6	5383.1	5532.8
45°	2803.7	2867.7	3006.6	3199.0	3428.5	3695.5	3978.7	4277.6	4539.4	4758.4	4923.9
47.5°	2184.3	2243.0	2381.9	2584.8	2867.7	3145.6	3439.2	3749.0	4021.3	4235.0	4379.2
50°	1724.9	1799.6	1922.5	2136.2	2419.3	2713.0	3017.4	3321.6	3578.2	3759.7	3887.9
52.5°	1356.5	1425.9	1543.3	1767.8	2056.2	2349.8	2632.7	2931.9	3156.1	3332.4	3417.9
55°	1052.0	1116.2	1238.9	1425.9	1698.3	1986.7	2269.6	2526.1	2734.3	2862.4	2942.7
57.5°	801.0	849.1	934.7	1121.5	1367.3	1634.1	1874.6	2130.9	2291.1	2381.9	2435.1
60°	608.9	646.3	737.0	881.2	1105.5	1335.2	1538.1	1730.4	1858.5	1933.3	1986.7
62.5°	459.2	502.1	566.0	688.9	859.7	1046.8	1217.6	1361.8	1468.6	1516.7	1554.1
65°	315.0	347.1	395.2	491.3	635.5	768.9	902.6	1009.4	1078.9	1132.3	1153.6
67.5°	235.0	256.3	283.1	357.9	459.2	566.0	656.8	731.5	806.5	827.8	865.2
70°	176.3	192.3	218.9	272.4	331.0	405.8	480.7	523.4	576.8	614.2	624.9
72.5°	112.1	117.4	144.2	176.3	224.2	272.4	320.5	357.9	390.0	411.3	421.8
75°	64.2	96.1	96.1	128.2	160.2	181.6	213.7	240.3	256.3	272.4	272.4
77.5°	42.6	58.7	64.2	80.0	96.1	122.9	149.5	165.5	181.6	186.8	186.8
80°	37.4	42.6	42.6	58.7	69.5	90.8	106.8	112.1	122.9	128.2	138.9
82.5°	16.0	21.3	26.6	42.6	48.1	48.1	64.2	69.5	80.0	85.5	85.5
85°	5.3	10.8	10.8	16.0	26.6	32.1	37.4	42.6	48.1	48.1	53.4
87.5°	5.3	5.3	0.0	5.3	10.8	10.8	21.3	21.3	21.3	32.1	32.1
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: P248693

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2	10937.2
2.5°	10841.1	10846.4	10825.0	10819.8	10809.0	10814.3	10825.0
5°	10643.5	10648.8	10627.4	10606.1	10606.1	10600.6	10606.1
7.5°	10456.4	10461.9	10429.8	10419.0	10397.7	10403.2	10403.2
10°	10269.6	10269.6	10221.7	10216.2	10200.1	10194.8	10194.8
12.5°	10088.0	10072.0	10034.6	10013.3	10024.0	9991.9	9991.9
15°	9927.8	9901.2	9853.0	9837.0	9810.4	9799.6	9799.6
17.5°	9762.2	9740.9	9698.3	9666.2	9634.1	9628.8	9634.1
20°	9602.0	9580.7	9527.3	9505.9	9479.3	9479.3	9468.6
22.5°	9441.7	9420.4	9372.5	9356.5	9319.1	9319.1	9324.4
25°	9276.2	9260.2	9206.8	9196.2	9190.9	9169.4	9180.2
27.5°	9052.0	9041.2	8998.6	8982.6	8961.2	8956.0	8966.5
30°	8640.7	8624.7	8592.8	8576.8	8539.4	8544.7	8555.2
32.5°	8128.1	8106.8	8063.9	8047.9	8016.0	8005.2	8010.5
35°	7487.4	7471.3	7433.9	7433.9	7401.9	7391.1	7401.9
37.5°	6835.8	6851.7	6835.8	6851.7	6835.8	6830.3	6835.8
40°	6221.7	6280.4	6290.9	6349.8	6328.5	6360.4	6355.1
42.5°	5634.1	5730.2	5767.7	5815.7	5805.1	5826.4	5842.5
45°	5041.3	5121.5	5158.9	5190.9	5196.2	5207.0	5212.3
47.5°	4480.5	4544.7	4550.0	4587.3	4582.1	4582.1	4598.1
50°	3957.3	4000.0	4010.5	4037.4	4016.0	4005.3	4010.5
52.5°	3471.3	3514.0	3503.2	3514.0	3487.4	3476.6	3481.9
55°	2974.5	2995.9	2995.9	2995.9	2964.0	2964.0	2964.0
57.5°	2467.2	2472.7	2461.9	2467.2	2461.9	2429.8	2424.6
60°	2002.7	2002.7	1997.2	2002.7	1986.7	1970.6	1970.6
62.5°	1564.6	1575.4	1596.7	1575.4	1564.6	1575.4	1559.4
65°	1169.6	1191.0	1185.5	1196.2	1191.0	1191.0	1180.2
67.5°	881.2	886.5	891.8	897.3	897.3	897.3	897.3
70°	646.3	662.3	656.8	656.8	656.8	656.8	688.9
72.5°	432.6	453.9	448.6	459.2	459.2	470.0	459.2
75°	293.7	315.0	304.4	320.5	315.0	304.4	331.0
77.5°	197.6	208.4	213.7	218.9	213.7	208.4	213.7
80°	138.9	149.5	144.2	149.5	149.5	149.5	155.0
82.5°	85.5	101.6	96.1	101.6	96.1	101.6	101.6
85°	58.7	64.2	53.4	64.2	58.7	58.7	69.5
87.5°	37.4	32.1	32.1	37.4	32.1	37.4	32.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)