

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: P248963

Luminaire Tested: **LD8B175D010 ER8B175927 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248963  
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 ER8B175927 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10982.2 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

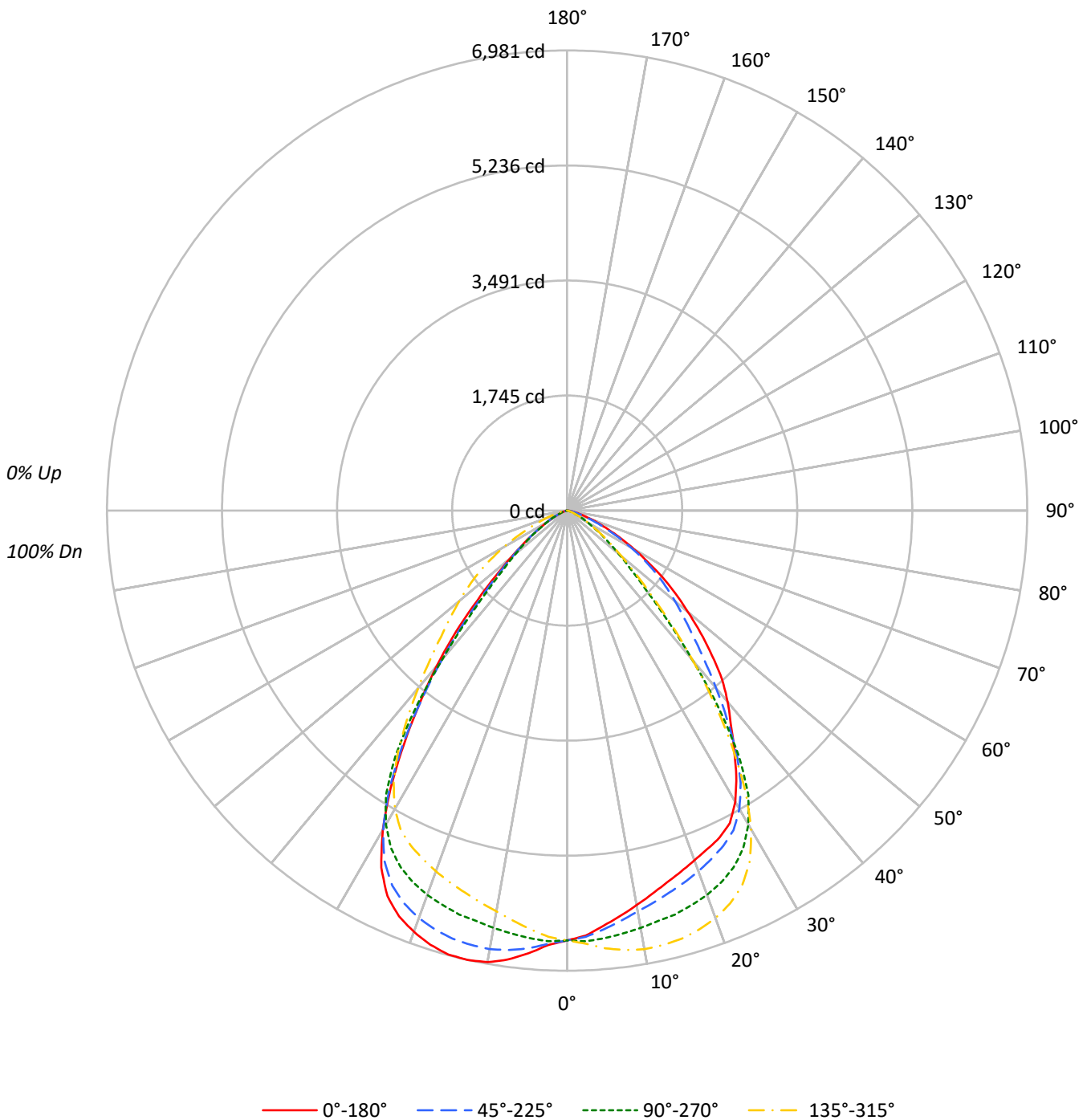
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	620.6	5.7
10°-20°	1797.0	16.4
20°-30°	2721.1	24.8
30°-40°	2727.2	24.8
40°-50°	1712.5	15.6
50°-60°	912.6	8.3
60°-70°	375.3	3.4
70°-80°	99.1	0.9
80°-90°	16.8	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°	5138.7	46.8
0°-40°	7865.9	71.6
0°-60°	10491.1	95.5
0°-90°	10982.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10982.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6520	6520	6520	6520	6520	
5°	6322	6510	6743	6510	6322	596
15°	5842	6342	6972	6342	5842	1652
25°	5472	5972	6453	5972	5472	2510
35°	4412	4536	4304	4536	4412	2764
45°	3107	1662	1923	1662	3107	2390
55°	1767	614	650	614	1767	1575
65°	704	188	172	188	704	730
75°	197	38	32	38	197	224
85°	41	0	3	0	41	45
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°	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8
2.5°	6453.0	6446.6	6443.4	6449.8	6453.0	6465.7	6462.6	6468.9	6468.9	6472.1	6478.4
5°	6322.5	6319.2	6322.5	6322.5	6335.2	6347.9	6344.8	6354.3	6360.6	6376.6	6382.9
7.5°	6201.6	6201.6	6198.3	6211.0	6217.4	6236.6	6233.3	6249.3	6258.8	6274.7	6297.0
10°	6077.4	6077.4	6080.4	6090.0	6093.3	6121.9	6121.9	6144.2	6156.9	6172.9	6201.6
12.5°	5956.3	5956.3	5975.4	5969.0	5981.7	6004.0	6013.6	6035.8	6055.0	6086.9	6115.6
15°	5841.7	5841.7	5848.1	5864.0	5873.5	5902.2	5918.1	5943.6	5965.9	5997.7	6039.2
17.5°	5743.0	5739.9	5743.0	5762.1	5781.3	5806.7	5819.4	5851.2	5873.5	5914.9	5953.2
20°	5644.3	5650.8	5650.8	5666.6	5679.3	5711.2	5723.9	5759.0	5784.4	5822.6	5867.2
22.5°	5558.4	5555.2	5555.2	5577.5	5587.1	5615.7	5628.4	5660.2	5688.9	5720.7	5762.1
25°	5472.4	5466.0	5478.9	5482.0	5488.3	5520.2	5529.7	5552.0	5580.7	5609.4	5650.8
27.5°	5345.1	5338.8	5342.0	5354.7	5364.2	5389.7	5396.1	5418.3	5440.6	5466.0	5501.1
30°	5100.0	5093.7	5090.5	5112.8	5122.3	5141.4	5150.9	5189.2	5195.5	5224.2	5249.6
32.5°	4775.2	4772.0	4778.4	4797.4	4807.0	4832.6	4845.3	4867.5	4883.4	4899.4	4924.8
35°	4412.4	4406.0	4412.4	4431.5	4431.5	4453.8	4463.3	4472.8	4469.6	4472.8	4466.5
37.5°	4075.0	4071.7	4075.0	4084.4	4075.0	4084.4	4075.0	4055.8	4020.9	3982.6	3944.4
40°	3788.3	3791.5	3772.6	3785.2	3750.1	3743.8	3708.8	3661.0	3591.0	3514.6	3406.4
42.5°	3482.8	3473.2	3460.5	3466.8	3438.2	3415.8	3358.6	3298.2	3209.0	3081.7	2951.1
45°	3107.1	3104.0	3097.6	3094.4	3075.3	3053.0	3005.2	2935.2	2836.6	2706.1	2549.9
47.5°	2741.0	2731.4	2731.4	2734.5	2712.3	2709.1	2670.9	2610.5	2524.5	2397.2	2234.8
50°	2390.7	2387.6	2394.0	2406.7	2390.7	2384.4	2359.0	2317.6	2241.2	2133.0	1980.1
52.5°	2075.6	2072.5	2078.9	2094.8	2088.3	2094.8	2069.3	2037.5	1986.5	1881.4	1747.8
55°	1766.9	1766.9	1766.9	1785.9	1785.9	1785.9	1773.2	1754.2	1706.4	1629.9	1505.8
57.5°	1445.3	1448.4	1467.6	1470.7	1467.6	1474.0	1470.7	1451.6	1419.9	1365.8	1270.2
60°	1174.7	1174.7	1184.3	1193.9	1190.6	1193.9	1193.9	1184.3	1152.4	1107.9	1031.5
62.5°	929.6	939.2	932.7	939.2	951.9	939.2	932.7	926.4	904.2	875.5	811.8
65°	703.6	710.0	710.0	713.1	706.7	710.0	697.3	687.7	675.0	643.2	601.8
67.5°	534.9	534.9	534.9	534.9	531.6	528.4	525.4	515.8	493.4	480.8	436.0
70°	410.6	391.5	391.5	391.5	391.5	394.8	385.2	372.5	366.1	343.8	312.0
72.5°	273.7	280.1	273.7	273.7	267.4	270.6	257.8	251.4	245.1	232.4	213.3
75°	197.3	181.5	187.8	191.0	181.5	187.8	175.0	162.3	162.3	152.8	143.2
77.5°	127.4	124.2	127.4	130.5	127.4	124.2	117.8	111.4	111.4	108.2	98.7
80°	92.4	89.1	89.1	89.1	86.0	89.1	82.8	82.8	76.4	73.2	66.8
82.5°	60.5	60.5	57.3	60.5	57.3	60.5	51.0	51.0	51.0	47.7	41.4
85°	41.4	35.0	35.0	38.2	31.8	38.2	35.0	31.8	28.7	28.7	25.4
87.5°	19.1	22.3	19.1	22.3	19.1	19.1	22.3	19.1	19.1	12.7	12.7
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°	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8
2.5°	6488.0	6491.1	6491.1	6504.0	6510.3	6513.4	6513.4	6539.0	6529.4	6535.8	6542.1
5°	6395.7	6414.8	6421.2	6421.2	6456.2	6468.9	6481.6	6510.3	6513.4	6532.5	6554.8
7.5°	6306.5	6328.8	6341.6	6370.2	6392.5	6414.8	6453.0	6472.1	6491.1	6516.7	6545.2
10°	6220.6	6246.1	6271.5	6293.8	6328.8	6357.5	6382.9	6427.5	6449.8	6484.8	6523.0
12.5°	6137.9	6172.9	6195.2	6233.3	6271.5	6297.0	6335.2	6376.6	6411.6	6446.6	6491.1
15°	6064.7	6106.0	6131.5	6172.9	6214.3	6249.3	6290.7	6341.6	6367.0	6408.4	6449.8
17.5°	5984.9	6029.7	6061.5	6099.6	6150.6	6188.7	6223.8	6274.7	6306.5	6351.1	6398.9
20°	5902.2	5946.8	5984.9	6023.1	6074.2	6112.2	6153.8	6204.7	6239.7	6284.2	6322.5
22.5°	5803.5	5844.9	5886.2	5930.8	5981.7	6013.6	6061.5	6106.0	6144.2	6185.6	6223.8
25°	5676.2	5727.2	5759.0	5800.3	5841.7	5876.7	5927.6	5972.2	6004.0	6042.4	6077.4
27.5°	5526.6	5564.8	5590.2	5625.2	5666.6	5698.5	5736.6	5781.3	5813.1	5848.1	5873.5
30°	5271.9	5307.0	5329.2	5354.7	5396.1	5424.8	5456.6	5497.9	5520.2	5545.7	5568.0
32.5°	4937.5	4966.2	4978.9	4998.2	5026.8	5055.4	5081.0	5115.9	5125.5	5141.4	5141.4
35°	4453.8	4460.1	4456.9	4463.3	4476.0	4491.9	4514.2	4536.4	4549.2	4549.2	4539.7
37.5°	3887.1	3849.0	3807.4	3775.6	3766.0	3759.6	3772.6	3781.9	3794.8	3801.0	3785.2
40°	3298.2	3212.2	3119.8	3037.0	2979.8	2954.4	2944.8	2951.1	2951.1	2973.4	2973.4
42.5°	2792.0	2658.2	2521.4	2397.2	2314.4	2250.8	2222.1	2222.1	2225.2	2241.2	2250.8
45°	2371.7	2203.0	2043.8	1907.0	1792.4	1709.4	1671.4	1661.8	1658.7	1664.9	1687.2
47.5°	2050.2	1875.2	1709.4	1540.8	1419.9	1337.1	1302.1	1289.2	1276.5	1289.2	1292.5
50°	1798.8	1617.2	1442.1	1273.4	1146.0	1072.8	1028.2	1009.1	1006.0	1006.0	1012.4
52.5°	1569.4	1400.7	1225.7	1053.8	920.0	850.0	808.6	799.1	786.4	799.1	799.1
55°	1352.9	1184.3	1012.4	850.0	738.6	665.4	627.2	614.5	607.9	617.6	617.6
57.5°	1117.5	974.1	815.1	668.6	557.2	506.1	477.4	461.6	458.3	464.7	458.3
60°	916.9	795.9	659.0	525.4	439.3	385.2	362.9	356.5	350.1	356.5	356.5
62.5°	725.8	624.0	512.4	410.6	337.4	299.2	273.7	273.7	270.6	270.6	273.7
65°	538.1	458.3	378.8	292.8	235.6	206.9	187.8	187.8	184.6	187.8	184.6
67.5°	391.5	337.4	273.7	213.3	168.8	152.8	140.1	130.5	136.9	130.5	127.4
70°	286.5	241.9	197.3	162.3	130.5	114.6	105.1	101.8	95.5	95.5	95.5
72.5°	191.0	162.3	133.6	105.1	86.0	70.0	66.8	60.5	54.1	57.3	63.7
75°	127.4	108.2	95.5	76.4	57.3	57.3	38.2	38.2	31.8	38.2	28.7
77.5°	89.1	73.2	57.3	47.7	38.2	35.0	25.4	25.4	22.3	22.3	22.3
80°	63.7	54.1	41.4	35.0	25.4	25.4	22.3	19.1	15.9	15.9	19.1
82.5°	38.2	28.7	28.7	25.4	15.9	12.7	9.6	12.7	6.4	6.4	6.4
85°	22.3	19.1	15.9	9.6	6.4	6.4	3.2	0.0	3.2	3.2	0.0
87.5°	12.7	6.4	6.4	3.2	0.0	3.2	3.2	0.0	0.0	0.0	6.4
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°	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8
2.5°	6558.1	6554.8	6561.2	6561.2	6580.4	6577.1	6586.6	6586.6	6580.4	6583.5	6596.2
5°	6580.4	6589.9	6608.9	6624.9	6653.5	6666.3	6682.2	6698.1	6701.3	6710.8	6720.4
7.5°	6580.4	6612.2	6634.5	6663.0	6701.3	6723.6	6758.6	6787.2	6800.0	6815.8	6834.9
10°	6567.5	6599.4	6640.8	6672.6	6720.4	6755.4	6790.4	6834.9	6854.1	6879.5	6905.0
12.5°	6542.1	6577.1	6621.6	6663.0	6717.2	6749.0	6793.5	6834.9	6863.6	6898.6	6927.3
15°	6504.0	6545.2	6586.6	6628.0	6685.3	6723.6	6765.0	6812.7	6841.4	6879.5	6905.0
17.5°	6443.4	6488.0	6526.2	6564.4	6618.5	6663.0	6701.3	6745.8	6774.5	6806.4	6841.4
20°	6370.2	6411.6	6453.0	6484.8	6539.0	6577.1	6618.5	6659.9	6682.2	6688.6	6742.7
22.5°	6278.0	6306.5	6338.4	6389.3	6421.2	6456.2	6494.4	6532.5	6554.8	6589.9	6608.9
25°	6125.0	6153.8	6188.7	6211.0	6249.3	6278.0	6316.1	6357.5	6370.2	6395.7	6414.8
27.5°	5911.8	5927.6	5943.6	5962.6	5984.9	6000.9	6023.1	6042.4	6055.0	6067.7	6080.4
30°	5574.3	5574.3	5574.3	5561.6	5571.1	5580.7	5583.8	5580.7	5580.7	5577.5	5577.5
32.5°	5128.7	5103.2	5074.5	5049.1	5039.6	5026.8	5020.4	5010.9	4995.0	4985.4	4988.5
35°	4526.9	4469.6	4434.6	4402.8	4377.4	4358.2	4348.7	4339.1	4336.0	4323.3	4310.4
37.5°	3775.6	3734.2	3708.8	3689.7	3667.4	3648.3	3651.4	3654.7	3664.1	3657.8	3661.0
40°	2979.8	2970.2	2979.8	2957.5	2951.1	2957.5	2973.4	2995.8	3008.5	3021.2	3043.5
42.5°	2266.6	2282.5	2304.9	2304.9	2314.4	2327.2	2346.2	2381.3	2400.3	2422.6	2448.1
45°	1706.4	1725.5	1754.2	1763.7	1770.1	1785.9	1808.3	1836.9	1849.6	1868.7	1891.0
47.5°	1314.8	1327.5	1343.4	1359.3	1375.2	1381.6	1403.9	1403.9	1419.9	1432.6	1438.9
50°	1025.1	1037.8	1050.5	1060.1	1066.5	1076.1	1082.4	1091.9	1095.1	1101.5	1104.6
52.5°	802.2	818.2	818.2	824.5	834.1	843.6	840.5	843.6	846.8	846.8	856.4
55°	627.2	627.2	636.8	636.8	643.2	639.9	643.2	643.2	643.2	643.2	646.3
57.5°	467.9	471.2	480.8	474.3	471.2	477.4	471.2	477.4	474.3	480.8	471.2
60°	359.7	359.7	362.9	362.9	366.1	366.1	366.1	362.9	362.9	359.7	359.7
62.5°	270.6	273.7	277.0	273.7	273.7	273.7	270.6	270.6	267.4	264.2	264.2
65°	181.5	178.3	184.6	178.3	181.5	181.5	178.3	181.5	171.9	175.0	171.9
67.5°	130.5	127.4	124.2	127.4	124.2	120.9	120.9	124.2	127.4	117.8	117.8
70°	86.0	89.1	86.0	89.1	92.4	92.4	89.1	86.0	89.1	82.8	86.0
72.5°	54.1	54.1	54.1	54.1	54.1	57.3	57.3	57.3	51.0	51.0	47.7
75°	25.4	35.0	28.7	25.4	35.0	35.0	31.8	31.8	28.7	28.7	28.7
77.5°	25.4	19.1	19.1	19.1	19.1	19.1	19.1	19.1	15.9	19.1	15.9
80°	12.7	12.7	12.7	9.6	12.7	12.7	15.9	12.7	12.7	9.6	15.9
82.5°	6.4	6.4	6.4	0.0	3.2	6.4	6.4	3.2	6.4	6.4	3.2
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: P248963

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8
2.5°	6593.1	6589.9	6593.1	6596.2	6593.1	6589.9	6593.1	6596.2	6583.5	6580.4	6586.6
5°	6733.1	6733.1	6739.4	6742.7	6739.4	6733.1	6733.1	6720.4	6710.8	6701.3	6698.1
7.5°	6854.1	6860.5	6866.8	6869.9	6866.8	6860.5	6854.1	6834.9	6815.8	6800.0	6787.2
10°	6927.3	6936.9	6949.6	6955.9	6949.6	6936.9	6927.3	6905.0	6879.5	6854.1	6834.9
12.5°	6959.1	6968.7	6984.6	6981.4	6984.6	6968.7	6959.1	6927.3	6898.6	6863.6	6834.9
15°	6936.9	6949.6	6965.4	6971.8	6965.4	6949.6	6936.9	6905.0	6879.5	6841.4	6812.7
17.5°	6866.8	6885.9	6895.5	6905.0	6895.5	6885.9	6866.8	6841.4	6806.4	6774.5	6745.8
20°	6771.3	6784.1	6796.8	6800.0	6796.8	6784.1	6771.3	6742.7	6688.6	6682.2	6659.9
22.5°	6634.5	6644.0	6672.6	6663.0	6672.6	6644.0	6634.5	6608.9	6589.9	6554.8	6532.5
25°	6437.0	6446.6	6449.8	6453.0	6449.8	6446.6	6437.0	6414.8	6395.7	6370.2	6357.5
27.5°	6096.5	6096.5	6102.7	6106.0	6102.7	6096.5	6096.5	6080.4	6067.7	6055.0	6042.4
30°	5580.7	5580.7	5580.7	5596.7	5580.7	5580.7	5580.7	5577.5	5577.5	5580.7	5580.7
32.5°	4985.4	4978.9	4972.7	4978.9	4972.7	4978.9	4985.4	4988.5	4985.4	4995.0	5010.9
35°	4310.4	4307.3	4316.8	4304.1	4316.8	4307.3	4310.4	4310.4	4323.3	4336.0	4339.1
37.5°	3664.1	3657.8	3670.5	3657.8	3670.5	3657.8	3664.1	3661.0	3657.8	3664.1	3654.7
40°	3049.9	3056.2	3056.2	3081.7	3056.2	3056.2	3049.9	3043.5	3021.2	3008.5	2995.8
42.5°	2460.8	2480.0	2473.5	2492.7	2473.5	2480.0	2460.8	2448.1	2422.6	2400.3	2381.3
45°	1903.7	1916.6	1916.6	1922.8	1916.6	1916.6	1903.7	1891.0	1868.7	1849.6	1836.9
47.5°	1461.1	1461.1	1461.1	1464.4	1461.1	1461.1	1461.1	1438.9	1432.6	1419.9	1403.9
50°	1111.0	1114.2	1117.5	1120.6	1117.5	1114.2	1111.0	1104.6	1101.5	1095.1	1091.9
52.5°	853.2	856.4	850.0	856.4	850.0	856.4	853.2	856.4	846.8	846.8	843.6
55°	646.3	643.2	646.3	649.5	646.3	643.2	646.3	646.3	643.2	643.2	643.2
57.5°	474.3	467.9	467.9	467.9	467.9	467.9	474.3	471.2	480.8	474.3	477.4
60°	353.4	356.5	356.5	359.7	356.5	356.5	353.4	359.7	359.7	362.9	362.9
62.5°	261.0	270.6	264.2	270.6	264.2	270.6	261.0	264.2	264.2	267.4	270.6
65°	168.8	168.8	168.8	171.9	168.8	168.8	168.8	171.9	175.0	171.9	181.5
67.5°	114.6	117.8	124.2	120.9	124.2	117.8	114.6	117.8	117.8	127.4	124.2
70°	92.4	82.8	82.8	92.4	82.8	82.8	92.4	86.0	82.8	89.1	86.0
72.5°	54.1	47.7	54.1	54.1	54.1	47.7	54.1	47.7	51.0	51.0	57.3
75°	28.7	25.4	22.3	31.8	22.3	25.4	28.7	28.7	28.7	28.7	31.8
77.5°	19.1	15.9	22.3	22.3	22.3	15.9	19.1	15.9	19.1	15.9	19.1
80°	9.6	12.7	9.6	15.9	9.6	12.7	9.6	15.9	9.6	12.7	12.7
82.5°	3.2	6.4	6.4	6.4	6.4	6.4	3.2	3.2	6.4	6.4	3.2
85°	0.0	6.4	3.2	3.2	3.2	6.4	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	0.0	0.0	3.2	0.0	0.0	3.2	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: P248963

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8
2.5°	6586.6	6577.1	6580.4	6561.2	6561.2	6554.8	6558.1	6542.1	6535.8	6529.4	6539.0
5°	6682.2	6666.3	6653.5	6624.9	6608.9	6589.9	6580.4	6554.8	6532.5	6513.4	6510.3
7.5°	6758.6	6723.6	6701.3	6663.0	6634.5	6612.2	6580.4	6545.2	6516.7	6491.1	6472.1
10°	6790.4	6755.4	6720.4	6672.6	6640.8	6599.4	6567.5	6523.0	6484.8	6449.8	6427.5
12.5°	6793.5	6749.0	6717.2	6663.0	6621.6	6577.1	6542.1	6491.1	6446.6	6411.6	6376.6
15°	6765.0	6723.6	6685.3	6628.0	6586.6	6545.2	6504.0	6449.8	6408.4	6367.0	6341.6
17.5°	6701.3	6663.0	6618.5	6564.4	6526.2	6488.0	6443.4	6398.9	6351.1	6306.5	6274.7
20°	6618.5	6577.1	6539.0	6484.8	6453.0	6411.6	6370.2	6322.5	6284.2	6239.7	6204.7
22.5°	6494.4	6456.2	6421.2	6389.3	6338.4	6306.5	6278.0	6223.8	6185.6	6144.2	6106.0
25°	6316.1	6278.0	6249.3	6211.0	6188.7	6153.8	6125.0	6077.4	6042.4	6004.0	5972.2
27.5°	6023.1	6000.9	5984.9	5962.6	5943.6	5927.6	5911.8	5873.5	5848.1	5813.1	5781.3
30°	5583.8	5580.7	5571.1	5561.6	5574.3	5574.3	5574.3	5568.0	5545.7	5520.2	5497.9
32.5°	5020.4	5026.8	5039.6	5049.1	5074.5	5103.2	5128.7	5141.4	5141.4	5125.5	5115.9
35°	4348.7	4358.2	4377.4	4402.8	4434.6	4469.6	4526.9	4539.7	4549.2	4549.2	4536.4
37.5°	3651.4	3648.3	3667.4	3689.7	3708.8	3734.2	3775.6	3785.2	3801.0	3794.8	3781.9
40°	2973.4	2957.5	2951.1	2957.5	2979.8	2970.2	2979.8	2973.4	2973.4	2951.1	2951.1
42.5°	2346.2	2327.2	2314.4	2304.9	2304.9	2282.5	2266.6	2250.8	2241.2	2225.2	2222.1
45°	1808.3	1785.9	1770.1	1763.7	1754.2	1725.5	1706.4	1687.2	1664.9	1658.7	1661.8
47.5°	1403.9	1381.6	1375.2	1359.3	1343.4	1327.5	1314.8	1292.5	1289.2	1276.5	1289.2
50°	1082.4	1076.1	1066.5	1060.1	1050.5	1037.8	1025.1	1012.4	1006.0	1006.0	1009.1
52.5°	840.5	843.6	834.1	824.5	818.2	818.2	802.2	799.1	799.1	786.4	799.1
55°	643.2	639.9	643.2	636.8	636.8	627.2	627.2	617.6	617.6	607.9	614.5
57.5°	471.2	477.4	471.2	474.3	480.8	471.2	467.9	458.3	464.7	458.3	461.6
60°	366.1	366.1	366.1	362.9	362.9	359.7	359.7	356.5	356.5	350.1	356.5
62.5°	270.6	273.7	273.7	273.7	277.0	273.7	270.6	273.7	270.6	270.6	273.7
65°	178.3	181.5	181.5	178.3	184.6	178.3	181.5	184.6	187.8	184.6	187.8
67.5°	120.9	120.9	124.2	127.4	124.2	127.4	130.5	127.4	130.5	136.9	130.5
70°	89.1	92.4	92.4	89.1	86.0	89.1	86.0	95.5	95.5	95.5	101.8
72.5°	57.3	57.3	54.1	54.1	54.1	54.1	54.1	63.7	57.3	54.1	60.5
75°	31.8	35.0	35.0	25.4	28.7	35.0	25.4	28.7	38.2	31.8	38.2
77.5°	19.1	19.1	19.1	19.1	19.1	19.1	25.4	22.3	22.3	22.3	25.4
80°	15.9	12.7	12.7	9.6	12.7	12.7	12.7	19.1	15.9	15.9	19.1
82.5°	6.4	6.4	3.2	0.0	6.4	6.4	6.4	6.4	6.4	6.4	12.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	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: P248963

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8
2.5°	6513.4	6513.4	6510.3	6504.0	6491.1	6491.1	6488.0	6478.4	6472.1	6468.9	6468.9
5°	6481.6	6468.9	6456.2	6421.2	6421.2	6414.8	6395.7	6382.9	6376.6	6360.6	6354.3
7.5°	6453.0	6414.8	6392.5	6370.2	6341.6	6328.8	6306.5	6297.0	6274.7	6258.8	6249.3
10°	6382.9	6357.5	6328.8	6293.8	6271.5	6246.1	6220.6	6201.6	6172.9	6156.9	6144.2
12.5°	6335.2	6297.0	6271.5	6233.3	6195.2	6172.9	6137.9	6115.6	6086.9	6055.0	6035.8
15°	6290.7	6249.3	6214.3	6172.9	6131.5	6106.0	6064.7	6039.2	5997.7	5965.9	5943.6
17.5°	6223.8	6188.7	6150.6	6099.6	6061.5	6029.7	5984.9	5953.2	5914.9	5873.5	5851.2
20°	6153.8	6112.2	6074.2	6023.1	5984.9	5946.8	5902.2	5867.2	5822.6	5784.4	5759.0
22.5°	6061.5	6013.6	5981.7	5930.8	5886.2	5844.9	5803.5	5762.1	5720.7	5688.9	5660.2
25°	5927.6	5876.7	5841.7	5800.3	5759.0	5727.2	5676.2	5650.8	5609.4	5580.7	5552.0
27.5°	5736.6	5698.5	5666.6	5625.2	5590.2	5564.8	5526.6	5501.1	5466.0	5440.6	5418.3
30°	5456.6	5424.8	5396.1	5354.7	5329.2	5307.0	5271.9	5249.6	5224.2	5195.5	5189.2
32.5°	5081.0	5055.4	5026.8	4998.2	4978.9	4966.2	4937.5	4924.8	4899.4	4883.4	4867.5
35°	4514.2	4491.9	4476.0	4463.3	4456.9	4460.1	4453.8	4466.5	4472.8	4469.6	4472.8
37.5°	3772.6	3759.6	3766.0	3775.6	3807.4	3849.0	3887.1	3944.4	3982.6	4020.9	4055.8
40°	2944.8	2954.4	2979.8	3037.0	3119.8	3212.2	3298.2	3406.4	3514.6	3591.0	3661.0
42.5°	2222.1	2250.8	2314.4	2397.2	2521.4	2658.2	2792.0	2951.1	3081.7	3209.0	3298.2
45°	1671.4	1709.4	1792.4	1907.0	2043.8	2203.0	2371.7	2549.9	2706.1	2836.6	2935.2
47.5°	1302.1	1337.1	1419.9	1540.8	1709.4	1875.2	2050.2	2234.8	2397.2	2524.5	2610.5
50°	1028.2	1072.8	1146.0	1273.4	1442.1	1617.2	1798.8	1980.1	2133.0	2241.2	2317.6
52.5°	808.6	850.0	920.0	1053.8	1225.7	1400.7	1569.4	1747.8	1881.4	1986.5	2037.5
55°	627.2	665.4	738.6	850.0	1012.4	1184.3	1352.9	1505.8	1629.9	1706.4	1754.2
57.5°	477.4	506.1	557.2	668.6	815.1	974.1	1117.5	1270.2	1365.8	1419.9	1451.6
60°	362.9	385.2	439.3	525.4	659.0	795.9	916.9	1031.5	1107.9	1152.4	1184.3
62.5°	273.7	299.2	337.4	410.6	512.4	624.0	725.8	811.8	875.5	904.2	926.4
65°	187.8	206.9	235.6	292.8	378.8	458.3	538.1	601.8	643.2	675.0	687.7
67.5°	140.1	152.8	168.8	213.3	273.7	337.4	391.5	436.0	480.8	493.4	515.8
70°	105.1	114.6	130.5	162.3	197.3	241.9	286.5	312.0	343.8	366.1	372.5
72.5°	66.8	70.0	86.0	105.1	133.6	162.3	191.0	213.3	232.4	245.1	251.4
75°	38.2	57.3	57.3	76.4	95.5	108.2	127.4	143.2	152.8	162.3	162.3
77.5°	25.4	35.0	38.2	47.7	57.3	73.2	89.1	98.7	108.2	111.4	111.4
80°	22.3	25.4	25.4	35.0	41.4	54.1	63.7	66.8	73.2	76.4	82.8
82.5°	9.6	12.7	15.9	25.4	28.7	28.7	38.2	41.4	47.7	51.0	51.0
85°	3.2	6.4	6.4	9.6	15.9	19.1	22.3	25.4	28.7	28.7	31.8
87.5°	3.2	3.2	0.0	3.2	6.4	6.4	12.7	12.7	12.7	19.1	19.1
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: P248963

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8	6519.8
2.5°	6462.6	6465.7	6453.0	6449.8	6443.4	6446.6	6453.0
5°	6344.8	6347.9	6335.2	6322.5	6322.5	6319.2	6322.5
7.5°	6233.3	6236.6	6217.4	6211.0	6198.3	6201.6	6201.6
10°	6121.9	6121.9	6093.3	6090.0	6080.4	6077.4	6077.4
12.5°	6013.6	6004.0	5981.7	5969.0	5975.4	5956.3	5956.3
15°	5918.1	5902.2	5873.5	5864.0	5848.1	5841.7	5841.7
17.5°	5819.4	5806.7	5781.3	5762.1	5743.0	5739.9	5743.0
20°	5723.9	5711.2	5679.3	5666.6	5650.8	5650.8	5644.3
22.5°	5628.4	5615.7	5587.1	5577.5	5555.2	5555.2	5558.4
25°	5529.7	5520.2	5488.3	5482.0	5478.9	5466.0	5472.4
27.5°	5396.1	5389.7	5364.2	5354.7	5342.0	5338.8	5345.1
30°	5150.9	5141.4	5122.3	5112.8	5090.5	5093.7	5100.0
32.5°	4845.3	4832.6	4807.0	4797.4	4778.4	4772.0	4775.2
35°	4463.3	4453.8	4431.5	4431.5	4412.4	4406.0	4412.4
37.5°	4075.0	4084.4	4075.0	4084.4	4075.0	4071.7	4075.0
40°	3708.8	3743.8	3750.1	3785.2	3772.6	3791.5	3788.3
42.5°	3358.6	3415.8	3438.2	3466.8	3460.5	3473.2	3482.8
45°	3005.2	3053.0	3075.3	3094.4	3097.6	3104.0	3107.1
47.5°	2670.9	2709.1	2712.3	2734.5	2731.4	2731.4	2741.0
50°	2359.0	2384.4	2390.7	2406.7	2394.0	2387.6	2390.7
52.5°	2069.3	2094.8	2088.3	2094.8	2078.9	2072.5	2075.6
55°	1773.2	1785.9	1785.9	1785.9	1766.9	1766.9	1766.9
57.5°	1470.7	1474.0	1467.6	1470.7	1467.6	1448.4	1445.3
60°	1193.9	1193.9	1190.6	1193.9	1184.3	1174.7	1174.7
62.5°	932.7	939.2	951.9	939.2	932.7	939.2	929.6
65°	697.3	710.0	706.7	713.1	710.0	710.0	703.6
67.5°	525.4	528.4	531.6	534.9	534.9	534.9	534.9
70°	385.2	394.8	391.5	391.5	391.5	391.5	410.6
72.5°	257.8	270.6	267.4	273.7	273.7	280.1	273.7
75°	175.0	187.8	181.5	191.0	187.8	181.5	197.3
77.5°	117.8	124.2	127.4	130.5	127.4	124.2	127.4
80°	82.8	89.1	86.0	89.1	89.1	89.1	92.4
82.5°	51.0	60.5	57.3	60.5	57.3	60.5	60.5
85°	35.0	38.2	31.8	38.2	35.0	35.0	41.4
87.5°	22.3	19.1	19.1	22.3	19.1	22.3	19.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)