

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: P248612

Luminaire Tested: **LD8B175D010 ER8B175935 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248612  
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 ER8B175935 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15648.0 lumens  
Efficiency: N/A  
Efficacy: 88.3 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

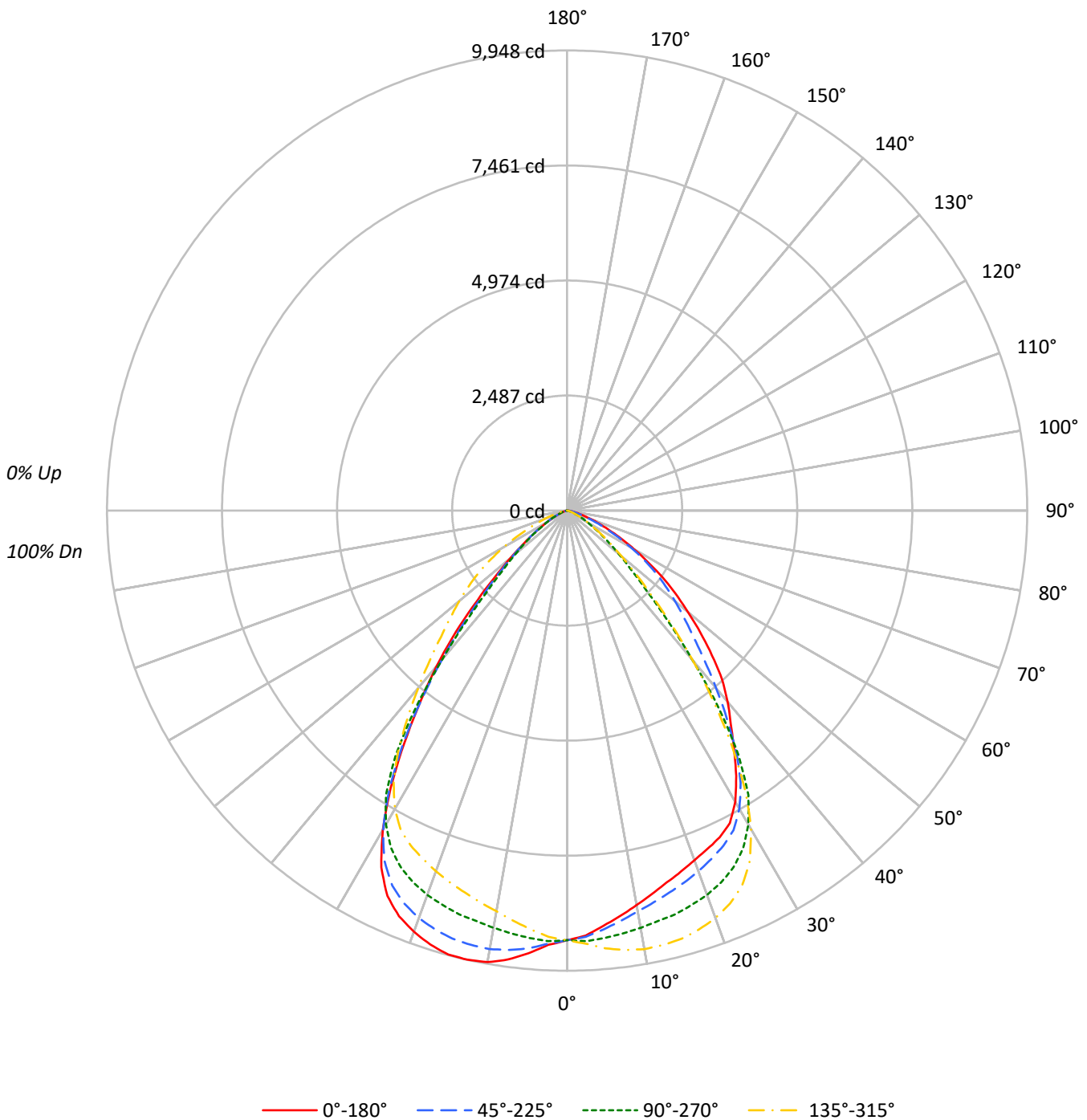
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	286460	286460	286460	286460
5°	278850	287133	297385	287133
10°	271137	286759	310337	286759
15°	265720	288460	317131	288460
20°	263911	290110	317944	290110
25°	265300	289528	312835	289528
30°	258740	278929	283942	278929
35°	236665	243321	230861	243321
40°	217283	169260	176751	169260
45°	193066	103258	119476	103258
50°	163415	68975	76598	68975
55°	135345	47068	49745	47068
60°	103228	31330	31607	31330
65°	73140	19518	17876	19518
70°	52752	13082	11865	13082
75°	33503	6493	5409	6493
80°	23369	4848	4013	4848
85°	20875	0	1592	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	884.2	5.7
10°-20°	2560.5	16.4
20°-30°	3877.1	24.8
30°-40°	3885.8	24.8
40°-50°	2440.1	15.6
50°-60°	1300.3	8.3
60°-70°	534.7	3.4
70°-80°	141.3	0.9
80°-90°	23.9	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°	7321.8	46.8
0°-40°	11207.7	71.6
0°-60°	14948.1	95.5
0°-90°	15648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15648.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9290	9290	9290	9290	9290	
5°	9008	9276	9607	9276	9008	850
15°	8324	9036	9934	9036	8324	2354
25°	7797	8510	9194	8510	7797	3576
35°	6287	6464	6133	6464	6287	3939
45°	4427	2368	2740	2368	4427	3405
55°	2518	876	925	876	2518	2245
65°	1002	268	245	268	1002	1040
75°	281	54	45	54	281	319
85°	59	0	4	0	59	65
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°	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7
2.5°	9194.5	9185.4	9180.9	9190.0	9194.5	9212.6	9208.1	9217.1	9217.1	9221.8	9230.7
5°	9008.5	9003.9	9008.5	9008.5	9026.7	9044.8	9040.3	9053.9	9062.9	9085.7	9094.6
7.5°	8836.2	8836.2	8831.5	8849.7	8858.8	8886.1	8881.4	8904.2	8917.8	8940.4	8972.1
10°	8659.2	8659.2	8663.7	8677.3	8682.0	8722.7	8722.7	8754.4	8772.5	8795.3	8836.2
12.5°	8486.9	8486.9	8514.1	8505.0	8523.1	8554.8	8568.5	8600.2	8627.5	8672.8	8713.7
15°	8323.5	8323.5	8332.7	8355.3	8368.9	8409.8	8432.4	8468.8	8500.5	8545.9	8604.9
17.5°	8182.9	8178.5	8182.9	8210.2	8237.4	8273.7	8291.8	8337.2	8368.9	8427.9	8482.4
20°	8042.3	8051.5	8051.5	8074.1	8092.2	8137.6	8155.7	8205.7	8241.9	8296.3	8359.9
22.5°	7919.9	7915.4	7915.4	7947.1	7960.8	8001.5	8019.6	8064.9	8105.8	8151.2	8210.2
25°	7797.4	7788.2	7806.5	7811.0	7820.0	7865.3	7879.0	7910.7	7951.6	7992.5	8051.5
27.5°	7615.9	7606.9	7611.4	7629.5	7643.2	7679.4	7688.5	7720.3	7752.0	7788.2	7838.3
30°	7266.6	7257.6	7253.1	7284.9	7298.5	7325.6	7339.2	7393.7	7402.7	7443.6	7479.8
32.5°	6803.9	6799.4	6808.6	6835.7	6849.3	6885.7	6903.8	6935.6	6958.1	6980.9	7017.1
35°	6286.9	6277.8	6286.9	6314.2	6314.2	6345.9	6359.6	6373.0	6368.5	6373.0	6364.0
37.5°	5806.2	5801.5	5806.2	5819.6	5806.2	5819.6	5806.2	5778.9	5729.1	5674.5	5620.0
40°	5397.8	5402.3	5375.3	5393.4	5343.3	5334.4	5284.5	5216.4	5116.7	5007.8	4853.6
42.5°	4962.4	4948.8	4930.7	4939.7	4899.0	4867.0	4785.5	4699.4	4572.2	4390.9	4204.8
45°	4427.2	4422.7	4413.5	4409.1	4381.8	4350.1	4281.9	4182.2	4041.6	3855.7	3633.3
47.5°	3905.5	3891.9	3891.9	3896.4	3864.6	3860.1	3805.6	3719.5	3597.1	3415.6	3184.3
50°	3406.4	3402.0	3411.1	3429.2	3406.4	3397.5	3361.3	3302.3	3193.4	3039.2	2821.3
52.5°	2957.4	2952.9	2962.1	2984.7	2975.5	2984.7	2948.5	2903.1	2830.5	2680.7	2490.3
55°	2517.5	2517.5	2517.5	2544.6	2544.6	2544.6	2526.5	2499.4	2431.3	2322.4	2145.6
57.5°	2059.4	2063.8	2091.1	2095.6	2091.1	2100.3	2095.6	2068.3	2023.1	1946.0	1809.9
60°	1673.8	1673.8	1687.4	1701.1	1696.4	1701.1	1701.1	1687.4	1642.1	1578.6	1469.7
62.5°	1324.5	1338.1	1329.0	1338.1	1356.2	1338.1	1329.0	1320.0	1288.3	1247.4	1156.6
65°	1002.4	1011.6	1011.6	1016.1	1006.9	1011.6	993.5	979.8	961.7	916.4	857.4
67.5°	762.1	762.1	762.1	762.1	757.5	753.0	748.5	734.9	703.1	685.0	621.4
70°	585.1	557.9	557.9	557.9	557.9	562.5	548.9	530.8	521.7	489.9	444.5
72.5°	390.0	399.2	390.0	390.0	381.1	385.5	367.4	358.3	349.3	331.2	304.0
75°	281.2	258.6	267.5	272.2	258.6	267.5	249.4	231.3	231.3	217.7	204.1
77.5°	181.5	177.0	181.5	186.0	181.5	177.0	167.8	158.7	158.7	154.2	140.6
80°	131.6	127.0	127.0	127.0	122.5	127.0	118.0	118.0	108.8	104.4	95.2
82.5°	86.3	86.3	81.6	86.3	81.6	86.3	72.6	72.6	72.6	68.0	59.0
85°	59.0	49.9	49.9	54.5	45.4	54.5	49.9	45.4	40.9	40.9	36.2
87.5°	27.3	31.7	27.3	31.7	27.3	27.3	31.7	27.3	27.3	18.1	18.1
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°	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7
2.5°	9244.4	9248.8	9248.8	9267.1	9276.1	9280.6	9280.6	9317.0	9303.4	9312.5	9321.5
5°	9112.9	9140.0	9149.1	9149.1	9199.0	9217.1	9235.2	9276.1	9280.6	9307.8	9339.6
7.5°	8985.8	9017.5	9035.8	9076.5	9108.2	9140.0	9194.5	9221.8	9248.8	9285.2	9325.9
10°	8863.3	8899.7	8935.9	8967.7	9017.5	9058.4	9094.6	9158.1	9190.0	9239.9	9294.2
12.5°	8745.5	8795.3	8827.1	8881.4	8935.9	8972.1	9026.7	9085.7	9135.5	9185.4	9248.8
15°	8641.1	8700.1	8736.3	8795.3	8854.3	8904.2	8963.2	9035.8	9072.0	9131.0	9190.0
17.5°	8527.6	8591.3	8636.6	8691.0	8763.6	8817.9	8868.0	8940.4	8985.8	9049.2	9117.4
20°	8409.8	8473.3	8527.6	8582.1	8654.7	8709.1	8768.1	8840.7	8890.5	8954.0	9008.5
22.5°	8269.2	8328.2	8387.0	8450.5	8523.1	8568.5	8636.6	8700.1	8754.4	8813.4	8868.0
25°	8087.7	8160.3	8205.7	8264.5	8323.5	8373.4	8446.0	8509.5	8554.8	8609.4	8659.2
27.5°	7874.5	7929.0	7965.2	8015.1	8074.1	8119.5	8173.8	8237.4	8282.8	8332.7	8368.9
30°	7511.5	7561.6	7593.3	7629.5	7688.5	7729.4	7774.8	7833.6	7865.3	7901.8	7933.5
32.5°	7035.3	7076.1	7094.3	7121.5	7162.4	7203.1	7239.5	7289.4	7303.0	7325.6	7325.6
35°	6345.9	6354.9	6350.4	6359.6	6377.7	6400.3	6432.0	6463.7	6481.9	6481.9	6468.4
37.5°	5538.4	5484.1	5425.1	5379.7	5366.1	5357.0	5375.3	5388.7	5407.0	5416.0	5393.4
40°	4699.4	4576.9	4445.3	4327.3	4245.7	4209.5	4195.8	4204.8	4204.8	4236.5	4236.5
42.5°	3978.1	3787.5	3592.6	3415.6	3297.6	3207.0	3166.2	3166.2	3170.6	3193.4	3207.0
45°	3379.4	3138.9	2912.0	2717.1	2553.8	2435.8	2381.4	2367.8	2363.3	2372.3	2404.0
47.5°	2921.2	2671.8	2435.8	2195.5	2023.1	1905.1	1855.3	1837.0	1818.9	1837.0	1841.7
50°	2562.9	2304.3	2054.9	1814.4	1632.9	1528.6	1465.1	1437.8	1433.3	1433.3	1442.5
52.5°	2236.2	1995.9	1746.4	1501.5	1310.9	1211.2	1152.2	1138.5	1120.4	1138.5	1138.5
55°	1927.7	1687.4	1442.5	1211.2	1052.3	948.1	893.6	875.5	866.3	879.9	879.9
57.5°	1592.2	1388.0	1161.3	952.6	793.9	721.2	680.4	657.8	653.1	662.2	653.1
60°	1306.4	1134.0	938.9	748.5	626.0	548.9	517.2	508.0	498.9	508.0	508.0
62.5°	1034.2	889.1	730.2	585.1	480.8	426.4	390.0	390.0	385.5	385.5	390.0
65°	766.6	653.1	539.8	417.3	335.7	294.8	267.5	267.5	263.1	267.5	263.1
67.5°	557.9	480.8	390.0	304.0	240.5	217.7	199.6	186.0	195.1	186.0	181.5
70°	408.3	344.7	281.2	231.3	186.0	163.4	149.7	145.1	136.1	136.1	136.1
72.5°	272.2	231.3	190.4	149.7	122.5	99.7	95.2	86.3	77.1	81.6	90.7
75°	181.5	154.2	136.1	108.8	81.6	81.6	54.5	54.5	45.4	54.5	40.9
77.5°	127.0	104.4	81.6	68.0	54.5	49.9	36.2	36.2	31.7	31.7	31.7
80°	90.7	77.1	59.0	49.9	36.2	36.2	31.7	27.3	22.6	22.6	27.3
82.5°	54.5	40.9	40.9	36.2	22.6	18.1	13.6	18.1	9.1	9.1	9.1
85°	31.7	27.3	22.6	13.6	9.1	9.1	4.5	0.0	4.5	4.5	0.0
87.5°	18.1	9.1	9.1	4.5	0.0	4.5	4.5	0.0	0.0	0.0	9.1
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°	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7
2.5°	9344.2	9339.6	9348.7	9348.7	9376.0	9371.3	9384.9	9384.9	9376.0	9380.5	9398.6
5°	9376.0	9389.6	9416.7	9439.5	9480.2	9498.5	9521.1	9543.8	9548.3	9561.9	9575.6
7.5°	9376.0	9421.3	9453.1	9493.8	9548.3	9580.0	9629.9	9670.8	9688.9	9711.5	9738.7
10°	9357.7	9403.1	9462.1	9507.4	9575.6	9625.4	9675.3	9738.7	9766.0	9802.2	9838.6
12.5°	9321.5	9371.3	9434.8	9493.8	9570.9	9616.3	9679.7	9738.7	9779.6	9829.5	9870.4
15°	9267.1	9325.9	9384.9	9443.9	9525.5	9580.0	9639.0	9707.0	9747.9	9802.2	9838.6
17.5°	9180.9	9244.4	9298.9	9353.2	9430.3	9493.8	9548.3	9611.8	9652.7	9698.0	9747.9
20°	9076.5	9135.5	9194.5	9239.9	9317.0	9371.3	9430.3	9489.3	9521.1	9530.2	9607.3
22.5°	8945.1	8985.8	9031.1	9103.8	9149.1	9199.0	9253.5	9307.8	9339.6	9389.6	9416.7
25°	8727.2	8768.1	8817.9	8849.7	8904.2	8945.1	8999.4	9058.4	9076.5	9112.9	9140.0
27.5°	8423.4	8446.0	8468.8	8495.9	8527.6	8550.4	8582.1	8609.4	8627.5	8645.6	8663.7
30°	7942.5	7942.5	7942.5	7924.3	7938.0	7951.6	7956.1	7951.6	7951.6	7947.1	7947.1
32.5°	7307.5	7271.2	7230.4	7194.1	7180.5	7162.4	7153.3	7139.6	7117.0	7103.4	7107.9
35°	6450.1	6368.5	6318.7	6273.3	6237.1	6209.8	6196.2	6182.6	6178.1	6160.0	6141.7
37.5°	5379.7	5320.7	5284.5	5257.3	5225.5	5198.3	5202.7	5207.4	5220.8	5211.9	5216.4
40°	4245.7	4232.1	4245.7	4213.9	4204.8	4213.9	4236.5	4268.5	4286.6	4304.7	4336.4
42.5°	3229.6	3252.2	3284.2	3284.2	3297.6	3315.9	3343.0	3393.0	3420.1	3451.8	3488.2
45°	2431.3	2458.5	2499.4	2512.9	2522.0	2544.6	2576.5	2617.2	2635.3	2662.6	2694.3
47.5°	1873.4	1891.5	1914.1	1936.9	1959.5	1968.6	2000.4	2000.4	2023.1	2041.3	2050.2
50°	1460.6	1478.7	1496.8	1510.4	1519.6	1533.2	1542.2	1555.8	1560.3	1569.4	1573.9
52.5°	1143.0	1165.8	1165.8	1174.8	1188.4	1202.0	1197.5	1202.0	1206.5	1206.5	1220.1
55°	893.6	893.6	907.2	907.2	916.4	911.7	916.4	916.4	916.4	916.4	920.8
57.5°	666.7	671.4	685.0	675.9	671.4	680.4	671.4	680.4	675.9	685.0	671.4
60°	512.5	512.5	517.2	517.2	521.7	521.7	521.7	517.2	517.2	512.5	512.5
62.5°	385.5	390.0	394.7	390.0	390.0	390.0	385.5	385.5	381.1	376.4	376.4
65°	258.6	254.1	263.1	254.1	258.6	258.6	254.1	258.6	245.0	249.4	245.0
67.5°	186.0	181.5	177.0	181.5	177.0	172.3	172.3	177.0	181.5	167.8	167.8
70°	122.5	127.0	122.5	127.0	131.6	131.6	127.0	122.5	127.0	118.0	122.5
72.5°	77.1	77.1	77.1	77.1	77.1	81.6	81.6	81.6	72.6	72.6	68.0
75°	36.2	49.9	40.9	36.2	49.9	49.9	45.4	45.4	40.9	40.9	40.9
77.5°	36.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	22.6	27.3	22.6
80°	18.1	18.1	18.1	13.6	18.1	18.1	22.6	18.1	18.1	13.6	22.6
82.5°	9.1	9.1	9.1	0.0	4.5	9.1	9.1	4.5	9.1	9.1	4.5
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: P248612

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7
2.5°	9394.1	9389.6	9394.1	9398.6	9394.1	9389.6	9394.1	9398.6	9380.5	9376.0	9384.9
5°	9593.7	9593.7	9602.6	9607.3	9602.6	9593.7	9593.7	9575.6	9561.9	9548.3	9543.8
7.5°	9766.0	9775.2	9784.1	9788.6	9784.1	9775.2	9766.0	9738.7	9711.5	9688.9	9670.8
10°	9870.4	9884.0	9902.1	9911.1	9902.1	9884.0	9870.4	9838.6	9802.2	9766.0	9738.7
12.5°	9915.7	9929.4	9952.0	9947.5	9952.0	9929.4	9915.7	9870.4	9829.5	9779.6	9738.7
15°	9884.0	9902.1	9924.7	9933.9	9924.7	9902.1	9884.0	9838.6	9802.2	9747.9	9707.0
17.5°	9784.1	9811.4	9825.0	9838.6	9825.0	9811.4	9784.1	9747.9	9698.0	9652.7	9611.8
20°	9648.0	9666.3	9684.4	9688.9	9684.4	9666.3	9648.0	9607.3	9530.2	9521.1	9489.3
22.5°	9453.1	9466.7	9507.4	9493.8	9507.4	9466.7	9453.1	9416.7	9389.6	9339.6	9307.8
25°	9171.7	9185.4	9190.0	9194.5	9190.0	9185.4	9171.7	9140.0	9112.9	9076.5	9058.4
27.5°	8686.5	8686.5	8695.4	8700.1	8695.4	8686.5	8686.5	8663.7	8645.6	8627.5	8609.4
30°	7951.6	7951.6	7951.6	7974.4	7951.6	7951.6	7951.6	7947.1	7947.1	7951.6	7951.6
32.5°	7103.4	7094.3	7085.3	7094.3	7085.3	7094.3	7103.4	7107.9	7103.4	7117.0	7139.6
35°	6141.7	6137.2	6150.8	6132.7	6150.8	6137.2	6141.7	6141.7	6160.0	6178.1	6182.6
37.5°	5220.8	5211.9	5230.0	5211.9	5230.0	5211.9	5220.8	5216.4	5211.9	5220.8	5207.4
40°	4345.6	4354.5	4354.5	4390.9	4354.5	4354.5	4345.6	4336.4	4304.7	4286.6	4268.5
42.5°	3506.3	3533.6	3524.4	3551.7	3524.4	3533.6	3506.3	3488.2	3451.8	3420.1	3393.0
45°	2712.5	2730.8	2730.8	2739.7	2730.8	2730.8	2712.5	2694.3	2662.6	2635.3	2617.2
47.5°	2082.0	2082.0	2082.0	2086.6	2082.0	2082.0	2082.0	2050.2	2041.3	2023.1	2000.4
50°	1583.1	1587.6	1592.2	1596.7	1592.2	1587.6	1583.1	1573.9	1569.4	1560.3	1555.8
52.5°	1215.6	1220.1	1211.2	1220.1	1211.2	1220.1	1215.6	1220.1	1206.5	1206.5	1202.0
55°	920.8	916.4	920.8	925.3	920.8	916.4	920.8	920.8	916.4	916.4	916.4
57.5°	675.9	666.7	666.7	666.7	666.7	666.7	675.9	671.4	685.0	675.9	680.4
60°	503.5	508.0	508.0	512.5	508.0	508.0	503.5	512.5	512.5	517.2	517.2
62.5°	371.9	385.5	376.4	385.5	376.4	385.5	371.9	376.4	376.4	381.1	385.5
65°	240.5	240.5	240.5	245.0	240.5	240.5	240.5	245.0	249.4	245.0	258.6
67.5°	163.4	167.8	177.0	172.3	177.0	167.8	163.4	167.8	167.8	181.5	177.0
70°	131.6	118.0	118.0	131.6	118.0	118.0	131.6	122.5	118.0	127.0	122.5
72.5°	77.1	68.0	77.1	77.1	77.1	68.0	77.1	68.0	72.6	72.6	81.6
75°	40.9	36.2	31.7	45.4	31.7	36.2	40.9	40.9	40.9	40.9	45.4
77.5°	27.3	22.6	31.7	31.7	31.7	22.6	27.3	22.6	27.3	22.6	27.3
80°	13.6	18.1	13.6	22.6	13.6	18.1	13.6	22.6	13.6	18.1	18.1
82.5°	4.5	9.1	9.1	9.1	9.1	9.1	4.5	4.5	9.1	9.1	4.5
85°	0.0	9.1	4.5	4.5	4.5	9.1	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	0.0	0.0	4.5	0.0	0.0	4.5	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: P248612

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7
2.5°	9384.9	9371.3	9376.0	9348.7	9348.7	9339.6	9344.2	9321.5	9312.5	9303.4	9317.0
5°	9521.1	9498.5	9480.2	9439.5	9416.7	9389.6	9376.0	9339.6	9307.8	9280.6	9276.1
7.5°	9629.9	9580.0	9548.3	9493.8	9453.1	9421.3	9376.0	9325.9	9285.2	9248.8	9221.8
10°	9675.3	9625.4	9575.6	9507.4	9462.1	9403.1	9357.7	9294.2	9239.9	9190.0	9158.1
12.5°	9679.7	9616.3	9570.9	9493.8	9434.8	9371.3	9321.5	9248.8	9185.4	9135.5	9085.7
15°	9639.0	9580.0	9525.5	9443.9	9384.9	9325.9	9267.1	9190.0	9131.0	9072.0	9035.8
17.5°	9548.3	9493.8	9430.3	9353.2	9298.9	9244.4	9180.9	9117.4	9049.2	8985.8	8940.4
20°	9430.3	9371.3	9317.0	9239.9	9194.5	9135.5	9076.5	9008.5	8954.0	8890.5	8840.7
22.5°	9253.5	9199.0	9149.1	9103.8	9031.1	8985.8	8945.1	8868.0	8813.4	8754.4	8700.1
25°	8999.4	8945.1	8904.2	8849.7	8817.9	8768.1	8727.2	8659.2	8609.4	8554.8	8509.5
27.5°	8582.1	8550.4	8527.6	8495.9	8468.8	8446.0	8423.4	8368.9	8332.7	8282.8	8237.4
30°	7956.1	7951.6	7938.0	7924.3	7942.5	7942.5	7942.5	7933.5	7901.8	7865.3	7833.6
32.5°	7153.3	7162.4	7180.5	7194.1	7230.4	7271.2	7307.5	7325.6	7325.6	7303.0	7289.4
35°	6196.2	6209.8	6237.1	6273.3	6318.7	6368.5	6450.1	6468.4	6481.9	6481.9	6463.7
37.5°	5202.7	5198.3	5225.5	5257.3	5284.5	5320.7	5379.7	5393.4	5416.0	5407.0	5388.7
40°	4236.5	4213.9	4204.8	4213.9	4245.7	4232.1	4245.7	4236.5	4236.5	4204.8	4204.8
42.5°	3343.0	3315.9	3297.6	3284.2	3284.2	3252.2	3229.6	3207.0	3193.4	3170.6	3166.2
45°	2576.5	2544.6	2522.0	2512.9	2499.4	2458.5	2431.3	2404.0	2372.3	2363.3	2367.8
47.5°	2000.4	1968.6	1959.5	1936.9	1914.1	1891.5	1873.4	1841.7	1837.0	1818.9	1837.0
50°	1542.2	1533.2	1519.6	1510.4	1496.8	1478.7	1460.6	1442.5	1433.3	1433.3	1437.8
52.5°	1197.5	1202.0	1188.4	1174.8	1165.8	1165.8	1143.0	1138.5	1138.5	1120.4	1138.5
55°	916.4	911.7	916.4	907.2	907.2	893.6	893.6	879.9	879.9	866.3	875.5
57.5°	671.4	680.4	671.4	675.9	685.0	671.4	666.7	653.1	662.2	653.1	657.8
60°	521.7	521.7	521.7	517.2	517.2	512.5	512.5	508.0	508.0	498.9	508.0
62.5°	385.5	390.0	390.0	390.0	394.7	390.0	385.5	390.0	385.5	385.5	390.0
65°	254.1	258.6	258.6	254.1	263.1	254.1	258.6	263.1	267.5	263.1	267.5
67.5°	172.3	172.3	177.0	181.5	177.0	181.5	186.0	181.5	186.0	195.1	186.0
70°	127.0	131.6	131.6	127.0	122.5	127.0	122.5	136.1	136.1	136.1	145.1
72.5°	81.6	81.6	77.1	77.1	77.1	77.1	77.1	90.7	81.6	77.1	86.3
75°	45.4	49.9	49.9	36.2	40.9	49.9	36.2	40.9	54.5	45.4	54.5
77.5°	27.3	27.3	27.3	27.3	27.3	27.3	36.2	31.7	31.7	31.7	36.2
80°	22.6	18.1	18.1	13.6	18.1	18.1	18.1	27.3	22.6	22.6	27.3
82.5°	9.1	9.1	4.5	0.0	9.1	9.1	9.1	9.1	9.1	9.1	18.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	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: P248612

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7
2.5°	9280.6	9280.6	9276.1	9267.1	9248.8	9248.8	9244.4	9230.7	9221.8	9217.1	9217.1
5°	9235.2	9217.1	9199.0	9149.1	9149.1	9140.0	9112.9	9094.6	9085.7	9062.9	9053.9
7.5°	9194.5	9140.0	9108.2	9076.5	9035.8	9017.5	8985.8	8972.1	8940.4	8917.8	8904.2
10°	9094.6	9058.4	9017.5	8967.7	8935.9	8899.7	8863.3	8836.2	8795.3	8772.5	8754.4
12.5°	9026.7	8972.1	8935.9	8881.4	8827.1	8795.3	8745.5	8713.7	8672.8	8627.5	8600.2
15°	8963.2	8904.2	8854.3	8795.3	8736.3	8700.1	8641.1	8604.9	8545.9	8500.5	8468.8
17.5°	8868.0	8817.9	8763.6	8691.0	8636.6	8591.3	8527.6	8482.4	8427.9	8368.9	8337.2
20°	8768.1	8709.1	8654.7	8582.1	8527.6	8473.3	8409.8	8359.9	8296.3	8241.9	8205.7
22.5°	8636.6	8568.5	8523.1	8450.5	8387.0	8328.2	8269.2	8210.2	8151.2	8105.8	8064.9
25°	8446.0	8373.4	8323.5	8264.5	8205.7	8160.3	8087.7	8051.5	7992.5	7951.6	7910.7
27.5°	8173.8	8119.5	8074.1	8015.1	7965.2	7929.0	7874.5	7838.3	7788.2	7752.0	7720.3
30°	7774.8	7729.4	7688.5	7629.5	7593.3	7561.6	7511.5	7479.8	7443.6	7402.7	7393.7
32.5°	7239.5	7203.1	7162.4	7121.5	7094.3	7076.1	7035.3	7017.1	6980.9	6958.1	6935.6
35°	6432.0	6400.3	6377.7	6359.6	6350.4	6354.9	6345.9	6364.0	6373.0	6368.5	6373.0
37.5°	5375.3	5357.0	5366.1	5379.7	5425.1	5484.1	5538.4	5620.0	5674.5	5729.1	5778.9
40°	4195.8	4209.5	4245.7	4327.3	4445.3	4576.9	4699.4	4853.6	5007.8	5116.7	5216.4
42.5°	3166.2	3207.0	3297.6	3415.6	3592.6	3787.5	3978.1	4204.8	4390.9	4572.2	4699.4
45°	2381.4	2435.8	2553.8	2717.1	2912.0	3138.9	3379.4	3633.3	3855.7	4041.6	4182.2
47.5°	1855.3	1905.1	2023.1	2195.5	2435.8	2671.8	2921.2	3184.3	3415.6	3597.1	3719.5
50°	1465.1	1528.6	1632.9	1814.4	2054.9	2304.3	2562.9	2821.3	3039.2	3193.4	3302.3
52.5°	1152.2	1211.2	1310.9	1501.5	1746.4	1995.9	2236.2	2490.3	2680.7	2830.5	2903.1
55°	893.6	948.1	1052.3	1211.2	1442.5	1687.4	1927.7	2145.6	2322.4	2431.3	2499.4
57.5°	680.4	721.2	793.9	952.6	1161.3	1388.0	1592.2	1809.9	1946.0	2023.1	2068.3
60°	517.2	548.9	626.0	748.5	938.9	1134.0	1306.4	1469.7	1578.6	1642.1	1687.4
62.5°	390.0	426.4	480.8	585.1	730.2	889.1	1034.2	1156.6	1247.4	1288.3	1320.0
65°	267.5	294.8	335.7	417.3	539.8	653.1	766.6	857.4	916.4	961.7	979.8
67.5°	199.6	217.7	240.5	304.0	390.0	480.8	557.9	621.4	685.0	703.1	734.9
70°	149.7	163.4	186.0	231.3	281.2	344.7	408.3	444.5	489.9	521.7	530.8
72.5°	95.2	99.7	122.5	149.7	190.4	231.3	272.2	304.0	331.2	349.3	358.3
75°	54.5	81.6	81.6	108.8	136.1	154.2	181.5	204.1	217.7	231.3	231.3
77.5°	36.2	49.9	54.5	68.0	81.6	104.4	127.0	140.6	154.2	158.7	158.7
80°	31.7	36.2	36.2	49.9	59.0	77.1	90.7	95.2	104.4	108.8	118.0
82.5°	13.6	18.1	22.6	36.2	40.9	40.9	54.5	59.0	68.0	72.6	72.6
85°	4.5	9.1	9.1	13.6	22.6	27.3	31.7	36.2	40.9	40.9	45.4
87.5°	4.5	4.5	0.0	4.5	9.1	9.1	18.1	18.1	18.1	27.3	27.3
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: P248612

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7	9289.7
2.5°	9208.1	9212.6	9194.5	9190.0	9180.9	9185.4	9194.5
5°	9040.3	9044.8	9026.7	9008.5	9008.5	9003.9	9008.5
7.5°	8881.4	8886.1	8858.8	8849.7	8831.5	8836.2	8836.2
10°	8722.7	8722.7	8682.0	8677.3	8663.7	8659.2	8659.2
12.5°	8568.5	8554.8	8523.1	8505.0	8514.1	8486.9	8486.9
15°	8432.4	8409.8	8368.9	8355.3	8332.7	8323.5	8323.5
17.5°	8291.8	8273.7	8237.4	8210.2	8182.9	8178.5	8182.9
20°	8155.7	8137.6	8092.2	8074.1	8051.5	8051.5	8042.3
22.5°	8019.6	8001.5	7960.8	7947.1	7915.4	7915.4	7919.9
25°	7879.0	7865.3	7820.0	7811.0	7806.5	7788.2	7797.4
27.5°	7688.5	7679.4	7643.2	7629.5	7611.4	7606.9	7615.9
30°	7339.2	7325.6	7298.5	7284.9	7253.1	7257.6	7266.6
32.5°	6903.8	6885.7	6849.3	6835.7	6808.6	6799.4	6803.9
35°	6359.6	6345.9	6314.2	6314.2	6286.9	6277.8	6286.9
37.5°	5806.2	5819.6	5806.2	5819.6	5806.2	5801.5	5806.2
40°	5284.5	5334.4	5343.3	5393.4	5375.3	5402.3	5397.8
42.5°	4785.5	4867.0	4899.0	4939.7	4930.7	4948.8	4962.4
45°	4281.9	4350.1	4381.8	4409.1	4413.5	4422.7	4427.2
47.5°	3805.6	3860.1	3864.6	3896.4	3891.9	3891.9	3905.5
50°	3361.3	3397.5	3406.4	3429.2	3411.1	3402.0	3406.4
52.5°	2948.5	2984.7	2975.5	2984.7	2962.1	2952.9	2957.4
55°	2526.5	2544.6	2544.6	2544.6	2517.5	2517.5	2517.5
57.5°	2095.6	2100.3	2091.1	2095.6	2091.1	2063.8	2059.4
60°	1701.1	1701.1	1696.4	1701.1	1687.4	1673.8	1673.8
62.5°	1329.0	1338.1	1356.2	1338.1	1329.0	1338.1	1324.5
65°	993.5	1011.6	1006.9	1016.1	1011.6	1011.6	1002.4
67.5°	748.5	753.0	757.5	762.1	762.1	762.1	762.1
70°	548.9	562.5	557.9	557.9	557.9	557.9	585.1
72.5°	367.4	385.5	381.1	390.0	390.0	399.2	390.0
75°	249.4	267.5	258.6	272.2	267.5	258.6	281.2
77.5°	167.8	177.0	181.5	186.0	181.5	177.0	181.5
80°	118.0	127.0	122.5	127.0	127.0	127.0	131.6
82.5°	72.6	86.3	81.6	86.3	81.6	86.3	86.3
85°	49.9	54.5	45.4	54.5	49.9	49.9	59.0
87.5°	31.7	27.3	27.3	31.7	27.3	31.7	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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