

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: P248961

Luminaire Tested: **LD8B120D010 ER8B120927 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248961  
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: LD8B120D010 ER8B120927 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: 7380.0 lumens  
Efficiency: N/A  
Efficacy: 62.4 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

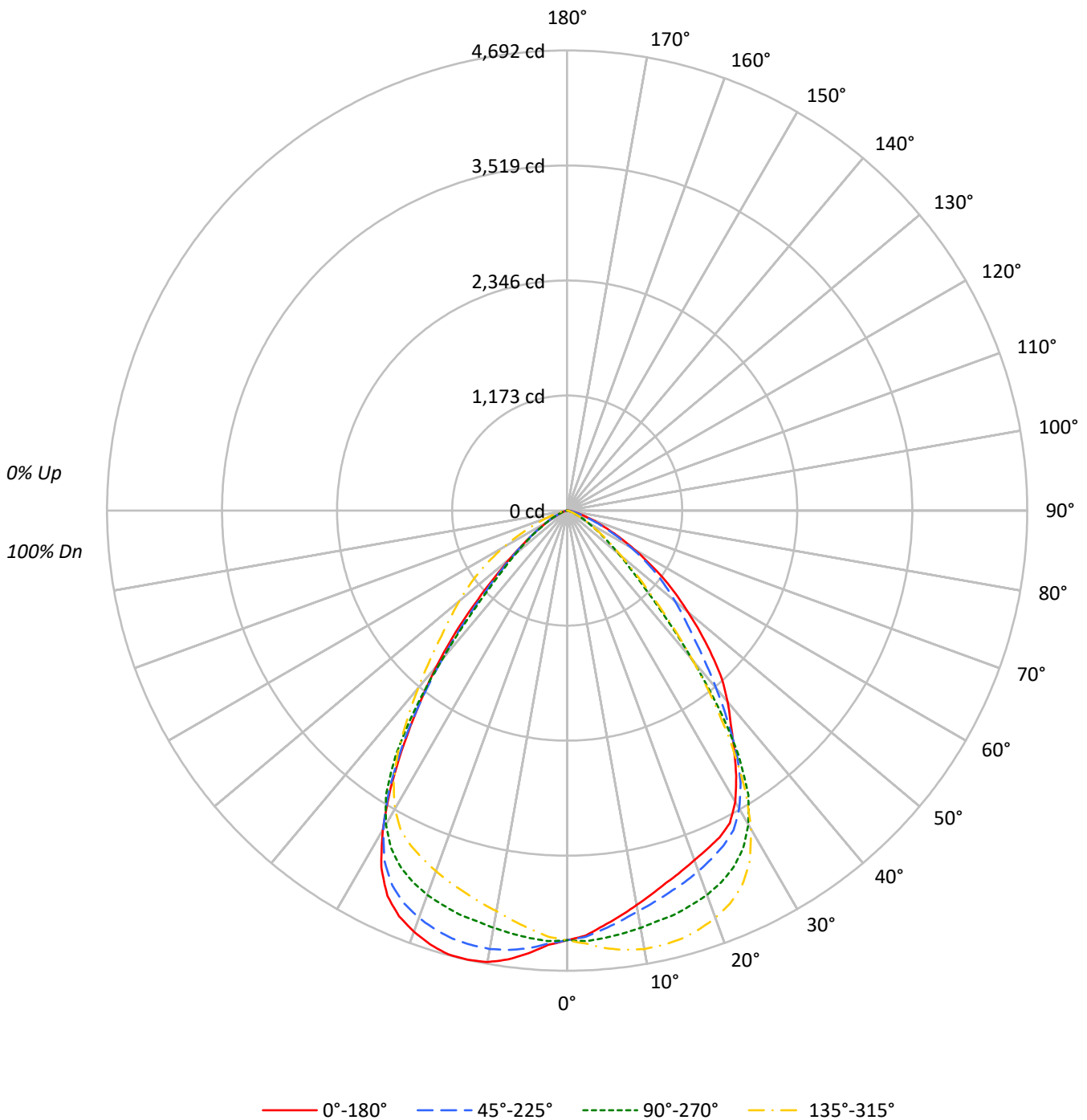
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	417.0	5.7
10°-20°	1207.6	16.4
20°-30°	1828.6	24.8
30°-40°	1832.7	24.8
40°-50°	1150.8	15.6
50°-60°	613.3	8.3
60°-70°	252.2	3.4
70°-80°	66.6	0.9
80°-90°	11.3	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°	3453.2	46.8
0°-40°	5285.8	71.6
0°-60°	7049.9	95.5
0°-90°	7380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4381	4381	4381	4381	4381	
5°	4249	4375	4531	4375	4249	401
15°	3926	4262	4685	4262	3926	1110
25°	3677	4013	4336	4013	3677	1687
35°	2965	3048	2892	3048	2965	1858
45°	2088	1117	1292	1117	2088	1606
55°	1187	413	436	413	1187	1059
65°	473	126	116	126	473	490
75°	133	26	21	26	133	150
85°	28	0	2	0	28	31
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°	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3
2.5°	4336.3	4332.0	4329.9	4334.3	4336.3	4344.9	4342.8	4347.0	4347.0	4349.2	4353.4
5°	4248.7	4246.4	4248.7	4248.7	4257.2	4265.8	4263.6	4270.0	4274.3	4285.0	4289.3
7.5°	4167.3	4167.3	4165.2	4173.8	4178.0	4190.8	4188.7	4199.4	4205.8	4216.5	4231.5
10°	4083.9	4083.9	4086.0	4092.4	4094.7	4113.9	4113.9	4128.9	4137.4	4148.1	4167.3
12.5°	4002.6	4002.6	4015.5	4011.2	4019.7	4034.7	4041.1	4056.1	4068.9	4090.4	4109.6
15°	3925.6	3925.6	3929.8	3940.5	3947.0	3966.3	3976.9	3994.1	4009.0	4030.4	4058.3
17.5°	3859.3	3857.2	3859.3	3872.1	3885.0	3902.1	3910.6	3932.0	3947.0	3974.8	4000.5
20°	3792.9	3797.3	3797.3	3807.9	3816.4	3837.9	3846.4	3870.0	3887.1	3912.8	3942.8
22.5°	3735.2	3733.1	3733.1	3748.0	3754.5	3773.7	3782.2	3803.6	3822.9	3844.4	3872.1
25°	3677.4	3673.1	3681.8	3683.9	3688.1	3709.5	3715.9	3731.0	3750.2	3769.4	3797.3
27.5°	3591.9	3587.6	3589.8	3598.3	3604.7	3621.8	3626.1	3641.1	3656.0	3673.1	3696.8
30°	3427.1	3422.9	3420.8	3435.8	3442.2	3455.0	3461.4	3487.0	3491.3	3510.6	3527.7
32.5°	3209.0	3206.8	3211.1	3223.9	3230.3	3247.4	3256.0	3270.9	3281.6	3292.4	3309.4
35°	2965.0	2960.8	2965.0	2978.0	2978.0	2993.0	2999.4	3005.7	3003.5	3005.7	3001.5
37.5°	2738.4	2736.1	2738.4	2744.7	2738.4	2744.7	2738.4	2725.5	2702.0	2676.3	2650.5
40°	2545.8	2547.9	2535.1	2543.6	2520.0	2515.8	2492.3	2460.2	2413.1	2361.8	2289.0
42.5°	2340.5	2334.0	2325.5	2329.6	2310.5	2295.5	2257.0	2216.4	2156.4	2070.9	1983.0
45°	2088.0	2085.9	2081.6	2079.5	2066.5	2051.5	2019.5	1972.5	1906.1	1818.4	1713.6
47.5°	1842.0	1835.6	1835.6	1837.6	1822.6	1820.6	1794.8	1754.2	1696.5	1610.9	1501.8
50°	1606.6	1604.5	1608.8	1617.3	1606.6	1602.3	1585.2	1557.4	1506.1	1433.4	1330.6
52.5°	1394.8	1392.6	1397.0	1407.6	1403.3	1407.6	1390.6	1369.1	1334.9	1264.3	1174.5
55°	1187.3	1187.3	1187.3	1200.1	1200.1	1200.1	1191.6	1178.8	1146.6	1095.3	1011.9
57.5°	971.2	973.4	986.2	988.3	986.2	990.6	988.3	975.5	954.1	917.8	853.6
60°	789.4	789.4	795.8	802.2	800.1	802.2	802.2	795.8	774.4	744.5	693.2
62.5°	624.7	631.1	626.7	631.1	639.7	631.1	626.7	622.6	607.6	588.3	545.5
65°	472.7	477.1	477.1	479.2	474.9	477.1	468.6	462.2	453.6	432.2	404.3
67.5°	359.4	359.4	359.4	359.4	357.2	355.2	353.0	346.6	331.7	323.1	293.1
70°	276.0	263.1	263.1	263.1	263.1	265.3	258.9	250.3	246.0	231.1	209.7
72.5°	183.9	188.2	183.9	183.9	179.8	181.8	173.2	169.0	164.7	156.3	143.3
75°	132.6	122.0	126.2	128.4	122.0	126.2	117.7	109.1	109.1	102.7	96.3
77.5°	85.6	83.5	85.6	87.8	85.6	83.5	79.2	74.8	74.8	72.8	66.3
80°	62.1	59.8	59.8	59.8	57.7	59.8	55.7	55.7	51.3	49.3	44.9
82.5°	40.7	40.7	38.5	40.7	38.5	40.7	34.2	34.2	34.2	32.1	27.8
85°	27.8	23.5	23.5	25.8	21.4	25.8	23.5	21.4	19.2	19.2	17.1
87.5°	12.8	15.0	12.8	15.0	12.8	12.8	15.0	12.8	12.8	8.5	8.5
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°	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3
2.5°	4359.8	4362.0	4362.0	4370.6	4374.9	4376.9	4376.9	4394.1	4387.7	4392.0	4396.3
5°	4297.8	4310.7	4314.9	4314.9	4338.4	4347.0	4355.6	4374.9	4376.9	4389.9	4404.8
7.5°	4237.9	4252.8	4261.5	4280.7	4295.7	4310.7	4336.3	4349.2	4362.0	4379.2	4398.3
10°	4180.2	4197.4	4214.4	4229.3	4252.8	4272.2	4289.3	4319.2	4334.3	4357.8	4383.3
12.5°	4124.6	4148.1	4163.1	4188.7	4214.4	4231.5	4257.2	4285.0	4308.5	4332.0	4362.0
15°	4075.3	4103.2	4120.3	4148.1	4175.9	4199.4	4227.3	4261.5	4278.6	4306.4	4334.3
17.5°	4021.9	4051.9	4073.3	4098.8	4133.1	4158.8	4182.3	4216.5	4237.9	4267.9	4300.0
20°	3966.3	3996.2	4021.9	4047.5	4081.8	4107.4	4135.3	4169.5	4193.0	4222.9	4248.7
22.5°	3899.9	3927.8	3955.5	3985.4	4019.7	4041.1	4073.3	4103.2	4128.9	4156.7	4182.3
25°	3814.4	3848.6	3870.0	3897.8	3925.6	3949.1	3983.4	4013.3	4034.7	4060.4	4083.9
27.5°	3713.8	3739.5	3756.6	3780.1	3807.9	3829.4	3854.9	3885.0	3906.3	3929.8	3947.0
30°	3542.6	3566.2	3581.2	3598.3	3626.1	3645.4	3666.8	3694.5	3709.5	3726.7	3741.6
32.5°	3318.0	3337.3	3345.9	3358.7	3377.9	3397.2	3414.4	3437.9	3444.3	3455.0	3455.0
35°	2993.0	2997.1	2995.0	2999.4	3007.9	3018.5	3033.5	3048.5	3057.0	3057.0	3050.7
37.5°	2612.0	2586.5	2558.6	2537.2	2530.8	2526.5	2535.1	2541.5	2550.0	2554.3	2543.6
40°	2216.4	2158.5	2096.5	2040.9	2002.4	1985.3	1978.9	1983.0	1983.0	1998.1	1998.1
42.5°	1876.2	1786.3	1694.4	1610.9	1555.2	1512.6	1493.2	1493.2	1495.4	1506.1	1512.6
45°	1593.8	1480.4	1373.4	1281.5	1204.4	1148.7	1123.1	1116.7	1114.6	1118.8	1133.8
47.5°	1377.7	1260.1	1148.7	1035.4	954.1	898.5	875.0	866.4	857.8	866.4	868.6
50°	1208.7	1086.8	969.2	855.7	770.2	720.9	691.0	678.2	676.0	676.0	680.3
52.5°	1054.7	941.3	823.6	708.2	618.2	571.2	543.4	537.0	528.4	537.0	537.0
55°	909.2	795.8	680.3	571.2	496.2	447.2	421.4	412.9	408.6	415.0	415.0
57.5°	750.9	654.6	547.6	449.2	374.4	340.2	320.8	310.2	308.0	312.3	308.0
60°	616.2	534.8	442.8	353.0	295.2	258.9	243.9	239.6	235.2	239.6	239.6
62.5°	487.7	419.3	344.4	276.0	226.7	201.2	183.9	183.9	181.8	181.8	183.9
65°	361.6	308.0	254.6	196.8	158.3	139.0	126.2	126.2	124.1	126.2	124.1
67.5°	263.1	226.7	183.9	143.3	113.4	102.7	94.2	87.8	92.0	87.8	85.6
70°	192.6	162.6	132.6	109.1	87.8	77.1	70.6	68.4	64.2	64.2	64.2
72.5°	128.4	109.1	89.8	70.6	57.7	47.0	44.9	40.7	36.3	38.5	42.8
75°	85.6	72.8	64.2	51.3	38.5	38.5	25.8	25.8	21.4	25.8	19.2
77.5°	59.8	49.3	38.5	32.1	25.8	23.5	17.1	17.1	15.0	15.0	15.0
80°	42.8	36.3	27.8	23.5	17.1	17.1	15.0	12.8	10.7	10.7	12.8
82.5°	25.8	19.2	19.2	17.1	10.7	8.5	6.4	8.5	4.3	4.3	4.3
85°	15.0	12.8	10.7	6.4	4.3	4.3	2.1	0.0	2.1	2.1	0.0
87.5°	8.5	4.3	4.3	2.1	0.0	2.1	2.1	0.0	0.0	0.0	4.3
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3
2.5°	4407.0	4404.8	4409.1	4409.1	4421.9	4419.8	4426.2	4426.2	4421.9	4424.1	4432.6
5°	4421.9	4428.3	4441.2	4451.8	4471.1	4479.8	4490.3	4501.1	4503.3	4509.7	4516.1
7.5°	4421.9	4443.3	4458.4	4477.5	4503.3	4518.2	4541.7	4561.0	4569.5	4580.2	4593.0
10°	4413.4	4434.8	4462.5	4483.9	4516.1	4539.6	4563.1	4593.0	4605.9	4623.0	4640.2
12.5°	4396.3	4419.8	4449.7	4477.5	4513.8	4535.3	4565.2	4593.0	4612.3	4635.8	4655.1
15°	4370.6	4398.3	4426.2	4454.0	4492.5	4518.2	4546.0	4578.1	4597.3	4623.0	4640.2
17.5°	4329.9	4359.8	4385.6	4411.2	4447.6	4477.5	4503.3	4533.2	4552.4	4573.8	4597.3
20°	4280.7	4308.5	4336.3	4357.8	4394.1	4419.8	4447.6	4475.4	4490.3	4494.7	4531.0
22.5°	4218.8	4237.9	4259.4	4293.6	4314.9	4338.4	4364.2	4389.9	4404.8	4428.3	4441.2
25°	4115.9	4135.3	4158.8	4173.8	4199.4	4218.8	4244.4	4272.2	4280.7	4297.8	4310.7
27.5°	3972.7	3983.4	3994.1	4006.9	4021.9	4032.6	4047.5	4060.4	4068.9	4077.4	4086.0
30°	3745.9	3745.9	3745.9	3737.4	3743.8	3750.2	3752.3	3750.2	3750.2	3748.0	3748.0
32.5°	3446.4	3429.3	3410.0	3392.9	3386.5	3377.9	3373.6	3367.2	3356.6	3350.1	3352.3
35°	3042.0	3003.5	2980.0	2958.6	2941.5	2928.7	2922.3	2915.9	2913.8	2905.2	2896.5
37.5°	2537.2	2509.4	2492.3	2479.5	2464.5	2451.6	2453.7	2456.0	2462.3	2458.0	2460.2
40°	2002.4	1996.0	2002.4	1987.4	1983.0	1987.4	1998.1	2013.1	2021.6	2030.2	2045.1
42.5°	1523.1	1533.8	1548.9	1548.9	1555.2	1563.9	1576.6	1600.2	1613.0	1628.0	1645.1
45°	1146.6	1159.5	1178.8	1185.2	1189.5	1200.1	1215.1	1234.4	1242.9	1255.7	1270.7
47.5°	883.6	892.1	902.7	913.5	924.2	928.5	943.4	943.4	954.1	962.7	966.9
50°	688.8	697.4	705.9	712.4	716.6	723.2	727.3	733.7	735.9	740.1	742.3
52.5°	539.1	549.8	549.8	554.1	560.5	566.9	564.8	566.9	569.0	569.0	575.4
55°	421.4	421.4	427.8	427.8	432.2	430.0	432.2	432.2	432.2	432.2	434.2
57.5°	314.4	316.7	323.1	318.7	316.7	320.8	316.7	320.8	318.7	323.1	316.7
60°	241.8	241.8	243.9	243.9	246.0	246.0	246.0	243.9	243.9	241.8	241.8
62.5°	181.8	183.9	186.2	183.9	183.9	183.9	181.8	181.8	179.8	177.5	177.5
65°	122.0	119.8	124.1	119.8	122.0	122.0	119.8	122.0	115.5	117.7	115.5
67.5°	87.8	85.6	83.5	85.6	83.5	81.2	81.2	83.5	85.6	79.2	79.2
70°	57.7	59.8	57.7	59.8	62.1	62.1	59.8	57.7	59.8	55.7	57.7
72.5°	36.3	36.3	36.3	36.3	36.3	38.5	38.5	38.5	34.2	34.2	32.1
75°	17.1	23.5	19.2	17.1	23.5	23.5	21.4	21.4	19.2	19.2	19.2
77.5°	17.1	12.8	12.8	12.8	12.8	12.8	12.8	12.8	10.7	12.8	10.7
80°	8.5	8.5	8.5	6.4	8.5	8.5	10.7	8.5	8.5	6.4	10.7
82.5°	4.3	4.3	4.3	0.0	2.1	4.3	4.3	2.1	4.3	4.3	2.1
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: P248961

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3
2.5°	4430.5	4428.3	4430.5	4432.6	4430.5	4428.3	4430.5	4432.6	4424.1	4421.9	4426.2
5°	4524.6	4524.6	4528.8	4531.0	4528.8	4524.6	4524.6	4516.1	4509.7	4503.3	4501.1
7.5°	4605.9	4610.2	4614.4	4616.6	4614.4	4610.2	4605.9	4593.0	4580.2	4569.5	4561.0
10°	4655.1	4661.6	4670.1	4674.4	4670.1	4661.6	4655.1	4640.2	4623.0	4605.9	4593.0
12.5°	4676.5	4682.9	4693.6	4691.5	4693.6	4682.9	4676.5	4655.1	4635.8	4612.3	4593.0
15°	4661.6	4670.1	4680.8	4685.1	4680.8	4670.1	4661.6	4640.2	4623.0	4597.3	4578.1
17.5°	4614.4	4627.3	4633.8	4640.2	4633.8	4627.3	4614.4	4597.3	4573.8	4552.4	4533.2
20°	4550.3	4558.8	4567.4	4569.5	4567.4	4558.8	4550.3	4531.0	4494.7	4490.3	4475.4
22.5°	4458.4	4464.8	4483.9	4477.5	4483.9	4464.8	4458.4	4441.2	4428.3	4404.8	4389.9
25°	4325.6	4332.0	4334.3	4336.3	4334.3	4332.0	4325.6	4310.7	4297.8	4280.7	4272.2
27.5°	4096.8	4096.8	4101.0	4103.2	4101.0	4096.8	4096.8	4086.0	4077.4	4068.9	4060.4
30°	3750.2	3750.2	3750.2	3760.9	3750.2	3750.2	3750.2	3748.0	3748.0	3750.2	3750.2
32.5°	3350.1	3345.9	3341.6	3345.9	3341.6	3345.9	3350.1	3352.3	3350.1	3356.6	3367.2
35°	2896.5	2894.5	2900.9	2892.4	2900.9	2894.5	2896.5	2896.5	2905.2	2913.8	2915.9
37.5°	2462.3	2458.0	2466.6	2458.0	2466.6	2458.0	2462.3	2460.2	2458.0	2462.3	2456.0
40°	2049.5	2053.7	2053.7	2070.9	2053.7	2053.7	2049.5	2045.1	2030.2	2021.6	2013.1
42.5°	1653.6	1666.6	1662.2	1675.1	1662.2	1666.6	1653.6	1645.1	1628.0	1613.0	1600.2
45°	1279.2	1287.9	1287.9	1292.2	1287.9	1287.9	1279.2	1270.7	1255.7	1242.9	1234.4
47.5°	981.9	981.9	981.9	984.2	981.9	981.9	981.9	966.9	962.7	954.1	943.4
50°	746.7	748.7	750.9	753.1	750.9	748.7	746.7	742.3	740.1	735.9	733.7
52.5°	573.3	575.4	571.2	575.4	571.2	575.4	573.3	575.4	569.0	569.0	566.9
55°	434.2	432.2	434.2	436.4	434.2	432.2	434.2	434.2	432.2	432.2	432.2
57.5°	318.7	314.4	314.4	314.4	314.4	314.4	318.7	316.7	323.1	318.7	320.8
60°	237.5	239.6	239.6	241.8	239.6	239.6	237.5	241.8	241.8	243.9	243.9
62.5°	175.4	181.8	177.5	181.8	177.5	181.8	175.4	177.5	177.5	179.8	181.8
65°	113.4	113.4	113.4	115.5	113.4	113.4	113.4	115.5	117.7	115.5	122.0
67.5°	77.1	79.2	83.5	81.2	83.5	79.2	77.1	79.2	79.2	85.6	83.5
70°	62.1	55.7	55.7	62.1	55.7	55.7	62.1	57.7	55.7	59.8	57.7
72.5°	36.3	32.1	36.3	36.3	36.3	32.1	36.3	32.1	34.2	34.2	38.5
75°	19.2	17.1	15.0	21.4	15.0	17.1	19.2	19.2	19.2	19.2	21.4
77.5°	12.8	10.7	15.0	15.0	15.0	10.7	12.8	10.7	12.8	10.7	12.8
80°	6.4	8.5	6.4	10.7	6.4	8.5	6.4	10.7	6.4	8.5	8.5
82.5°	2.1	4.3	4.3	4.3	4.3	4.3	2.1	2.1	4.3	4.3	2.1
85°	0.0	4.3	2.1	2.1	2.1	4.3	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.0	0.0	2.1	0.0	0.0	2.1	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: P248961

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3
2.5°	4426.2	4419.8	4421.9	4409.1	4409.1	4404.8	4407.0	4396.3	4392.0	4387.7	4394.1
5°	4490.3	4479.8	4471.1	4451.8	4441.2	4428.3	4421.9	4404.8	4389.9	4376.9	4374.9
7.5°	4541.7	4518.2	4503.3	4477.5	4458.4	4443.3	4421.9	4398.3	4379.2	4362.0	4349.2
10°	4563.1	4539.6	4516.1	4483.9	4462.5	4434.8	4413.4	4383.3	4357.8	4334.3	4319.2
12.5°	4565.2	4535.3	4513.8	4477.5	4449.7	4419.8	4396.3	4362.0	4332.0	4308.5	4285.0
15°	4546.0	4518.2	4492.5	4454.0	4426.2	4398.3	4370.6	4334.3	4306.4	4278.6	4261.5
17.5°	4503.3	4477.5	4447.6	4411.2	4385.6	4359.8	4329.9	4300.0	4267.9	4237.9	4216.5
20°	4447.6	4419.8	4394.1	4357.8	4336.3	4308.5	4280.7	4248.7	4222.9	4193.0	4169.5
22.5°	4364.2	4338.4	4314.9	4293.6	4259.4	4237.9	4218.8	4182.3	4156.7	4128.9	4103.2
25°	4244.4	4218.8	4199.4	4173.8	4158.8	4135.3	4115.9	4083.9	4060.4	4034.7	4013.3
27.5°	4047.5	4032.6	4021.9	4006.9	3994.1	3983.4	3972.7	3947.0	3929.8	3906.3	3885.0
30°	3752.3	3750.2	3743.8	3737.4	3745.9	3745.9	3745.9	3741.6	3726.7	3709.5	3694.5
32.5°	3373.6	3377.9	3386.5	3392.9	3410.0	3429.3	3446.4	3455.0	3455.0	3444.3	3437.9
35°	2922.3	2928.7	2941.5	2958.6	2980.0	3003.5	3042.0	3050.7	3057.0	3057.0	3048.5
37.5°	2453.7	2451.6	2464.5	2479.5	2492.3	2509.4	2537.2	2543.6	2554.3	2550.0	2541.5
40°	1998.1	1987.4	1983.0	1987.4	2002.4	1996.0	2002.4	1998.1	1998.1	1983.0	1983.0
42.5°	1576.6	1563.9	1555.2	1548.9	1548.9	1533.8	1523.1	1512.6	1506.1	1495.4	1493.2
45°	1215.1	1200.1	1189.5	1185.2	1178.8	1159.5	1146.6	1133.8	1118.8	1114.6	1116.7
47.5°	943.4	928.5	924.2	913.5	902.7	892.1	883.6	868.6	866.4	857.8	866.4
50°	727.3	723.2	716.6	712.4	705.9	697.4	688.8	680.3	676.0	676.0	678.2
52.5°	564.8	566.9	560.5	554.1	549.8	549.8	539.1	537.0	537.0	528.4	537.0
55°	432.2	430.0	432.2	427.8	427.8	421.4	421.4	415.0	415.0	408.6	412.9
57.5°	316.7	320.8	316.7	318.7	323.1	316.7	314.4	308.0	312.3	308.0	310.2
60°	246.0	246.0	246.0	243.9	243.9	241.8	241.8	239.6	239.6	235.2	239.6
62.5°	181.8	183.9	183.9	183.9	186.2	183.9	181.8	183.9	181.8	181.8	183.9
65°	119.8	122.0	122.0	119.8	124.1	119.8	122.0	124.1	126.2	124.1	126.2
67.5°	81.2	81.2	83.5	85.6	83.5	85.6	87.8	85.6	87.8	92.0	87.8
70°	59.8	62.1	62.1	59.8	57.7	59.8	57.7	64.2	64.2	64.2	68.4
72.5°	38.5	38.5	36.3	36.3	36.3	36.3	36.3	42.8	38.5	36.3	40.7
75°	21.4	23.5	23.5	17.1	19.2	23.5	17.1	19.2	25.8	21.4	25.8
77.5°	12.8	12.8	12.8	12.8	12.8	12.8	17.1	15.0	15.0	15.0	17.1
80°	10.7	8.5	8.5	6.4	8.5	8.5	8.5	12.8	10.7	10.7	12.8
82.5°	4.3	4.3	2.1	0.0	4.3	4.3	4.3	4.3	4.3	4.3	8.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	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: P248961

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3
2.5°	4376.9	4376.9	4374.9	4370.6	4362.0	4362.0	4359.8	4353.4	4349.2	4347.0	4347.0
5°	4355.6	4347.0	4338.4	4314.9	4314.9	4310.7	4297.8	4289.3	4285.0	4274.3	4270.0
7.5°	4336.3	4310.7	4295.7	4280.7	4261.5	4252.8	4237.9	4231.5	4216.5	4205.8	4199.4
10°	4289.3	4272.2	4252.8	4229.3	4214.4	4197.4	4180.2	4167.3	4148.1	4137.4	4128.9
12.5°	4257.2	4231.5	4214.4	4188.7	4163.1	4148.1	4124.6	4109.6	4090.4	4068.9	4056.1
15°	4227.3	4199.4	4175.9	4148.1	4120.3	4103.2	4075.3	4058.3	4030.4	4009.0	3994.1
17.5°	4182.3	4158.8	4133.1	4098.8	4073.3	4051.9	4021.9	4000.5	3974.8	3947.0	3932.0
20°	4135.3	4107.4	4081.8	4047.5	4021.9	3996.2	3966.3	3942.8	3912.8	3887.1	3870.0
22.5°	4073.3	4041.1	4019.7	3985.4	3955.5	3927.8	3899.9	3872.1	3844.4	3822.9	3803.6
25°	3983.4	3949.1	3925.6	3897.8	3870.0	3848.6	3814.4	3797.3	3769.4	3750.2	3731.0
27.5°	3854.9	3829.4	3807.9	3780.1	3756.6	3739.5	3713.8	3696.8	3673.1	3656.0	3641.1
30°	3666.8	3645.4	3626.1	3598.3	3581.2	3566.2	3542.6	3527.7	3510.6	3491.3	3487.0
32.5°	3414.4	3397.2	3377.9	3358.7	3345.9	3337.3	3318.0	3309.4	3292.4	3281.6	3270.9
35°	3033.5	3018.5	3007.9	2999.4	2995.0	2997.1	2993.0	3001.5	3005.7	3003.5	3005.7
37.5°	2535.1	2526.5	2530.8	2537.2	2558.6	2586.5	2612.0	2650.5	2676.3	2702.0	2725.5
40°	1978.9	1985.3	2002.4	2040.9	2096.5	2158.5	2216.4	2289.0	2361.8	2413.1	2460.2
42.5°	1493.2	1512.6	1555.2	1610.9	1694.4	1786.3	1876.2	1983.0	2070.9	2156.4	2216.4
45°	1123.1	1148.7	1204.4	1281.5	1373.4	1480.4	1593.8	1713.6	1818.4	1906.1	1972.5
47.5°	875.0	898.5	954.1	1035.4	1148.7	1260.1	1377.7	1501.8	1610.9	1696.5	1754.2
50°	691.0	720.9	770.2	855.7	969.2	1086.8	1208.7	1330.6	1433.4	1506.1	1557.4
52.5°	543.4	571.2	618.2	708.2	823.6	941.3	1054.7	1174.5	1264.3	1334.9	1369.1
55°	421.4	447.2	496.2	571.2	680.3	795.8	909.2	1011.9	1095.3	1146.6	1178.8
57.5°	320.8	340.2	374.4	449.2	547.6	654.6	750.9	853.6	917.8	954.1	975.5
60°	243.9	258.9	295.2	353.0	442.8	534.8	616.2	693.2	744.5	774.4	795.8
62.5°	183.9	201.2	226.7	276.0	344.4	419.3	487.7	545.5	588.3	607.6	622.6
65°	126.2	139.0	158.3	196.8	254.6	308.0	361.6	404.3	432.2	453.6	462.2
67.5°	94.2	102.7	113.4	143.3	183.9	226.7	263.1	293.1	323.1	331.7	346.6
70°	70.6	77.1	87.8	109.1	132.6	162.6	192.6	209.7	231.1	246.0	250.3
72.5°	44.9	47.0	57.7	70.6	89.8	109.1	128.4	143.3	156.3	164.7	169.0
75°	25.8	38.5	38.5	51.3	64.2	72.8	85.6	96.3	102.7	109.1	109.1
77.5°	17.1	23.5	25.8	32.1	38.5	49.3	59.8	66.3	72.8	74.8	74.8
80°	15.0	17.1	17.1	23.5	27.8	36.3	42.8	44.9	49.3	51.3	55.7
82.5°	6.4	8.5	10.7	17.1	19.2	19.2	25.8	27.8	32.1	34.2	34.2
85°	2.1	4.3	4.3	6.4	10.7	12.8	15.0	17.1	19.2	19.2	21.4
87.5°	2.1	2.1	0.0	2.1	4.3	4.3	8.5	8.5	8.5	12.8	12.8
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: P248961

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3	4381.3
2.5°	4342.8	4344.9	4336.3	4334.3	4329.9	4332.0	4336.3
5°	4263.6	4265.8	4257.2	4248.7	4248.7	4246.4	4248.7
7.5°	4188.7	4190.8	4178.0	4173.8	4165.2	4167.3	4167.3
10°	4113.9	4113.9	4094.7	4092.4	4086.0	4083.9	4083.9
12.5°	4041.1	4034.7	4019.7	4011.2	4015.5	4002.6	4002.6
15°	3976.9	3966.3	3947.0	3940.5	3929.8	3925.6	3925.6
17.5°	3910.6	3902.1	3885.0	3872.1	3859.3	3857.2	3859.3
20°	3846.4	3837.9	3816.4	3807.9	3797.3	3797.3	3792.9
22.5°	3782.2	3773.7	3754.5	3748.0	3733.1	3733.1	3735.2
25°	3715.9	3709.5	3688.1	3683.9	3681.8	3673.1	3677.4
27.5°	3626.1	3621.8	3604.7	3598.3	3589.8	3587.6	3591.9
30°	3461.4	3455.0	3442.2	3435.8	3420.8	3422.9	3427.1
32.5°	3256.0	3247.4	3230.3	3223.9	3211.1	3206.8	3209.0
35°	2999.4	2993.0	2978.0	2978.0	2965.0	2960.8	2965.0
37.5°	2738.4	2744.7	2738.4	2744.7	2738.4	2736.1	2738.4
40°	2492.3	2515.8	2520.0	2543.6	2535.1	2547.9	2545.8
42.5°	2257.0	2295.5	2310.5	2329.6	2325.5	2334.0	2340.5
45°	2019.5	2051.5	2066.5	2079.5	2081.6	2085.9	2088.0
47.5°	1794.8	1820.6	1822.6	1837.6	1835.6	1835.6	1842.0
50°	1585.2	1602.3	1606.6	1617.3	1608.8	1604.5	1606.6
52.5°	1390.6	1407.6	1403.3	1407.6	1397.0	1392.6	1394.8
55°	1191.6	1200.1	1200.1	1200.1	1187.3	1187.3	1187.3
57.5°	988.3	990.6	986.2	988.3	986.2	973.4	971.2
60°	802.2	802.2	800.1	802.2	795.8	789.4	789.4
62.5°	626.7	631.1	639.7	631.1	626.7	631.1	624.7
65°	468.6	477.1	474.9	479.2	477.1	477.1	472.7
67.5°	353.0	355.2	357.2	359.4	359.4	359.4	359.4
70°	258.9	265.3	263.1	263.1	263.1	263.1	276.0
72.5°	173.2	181.8	179.8	183.9	183.9	188.2	183.9
75°	117.7	126.2	122.0	128.4	126.2	122.0	132.6
77.5°	79.2	83.5	85.6	87.8	85.6	83.5	85.6
80°	55.7	59.8	57.7	59.8	59.8	59.8	62.1
82.5°	34.2	40.7	38.5	40.7	38.5	40.7	40.7
85°	23.5	25.8	21.4	25.8	23.5	23.5	27.8
87.5°	15.0	12.8	12.8	15.0	12.8	15.0	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)