

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: P248964

Luminaire Tested: **LD8B200D010 ER8B200927 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248964  
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: LD8B200D010 ER8B200927 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: 12944.2 lumens  
Efficiency: N/A  
Efficacy: 58.0 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

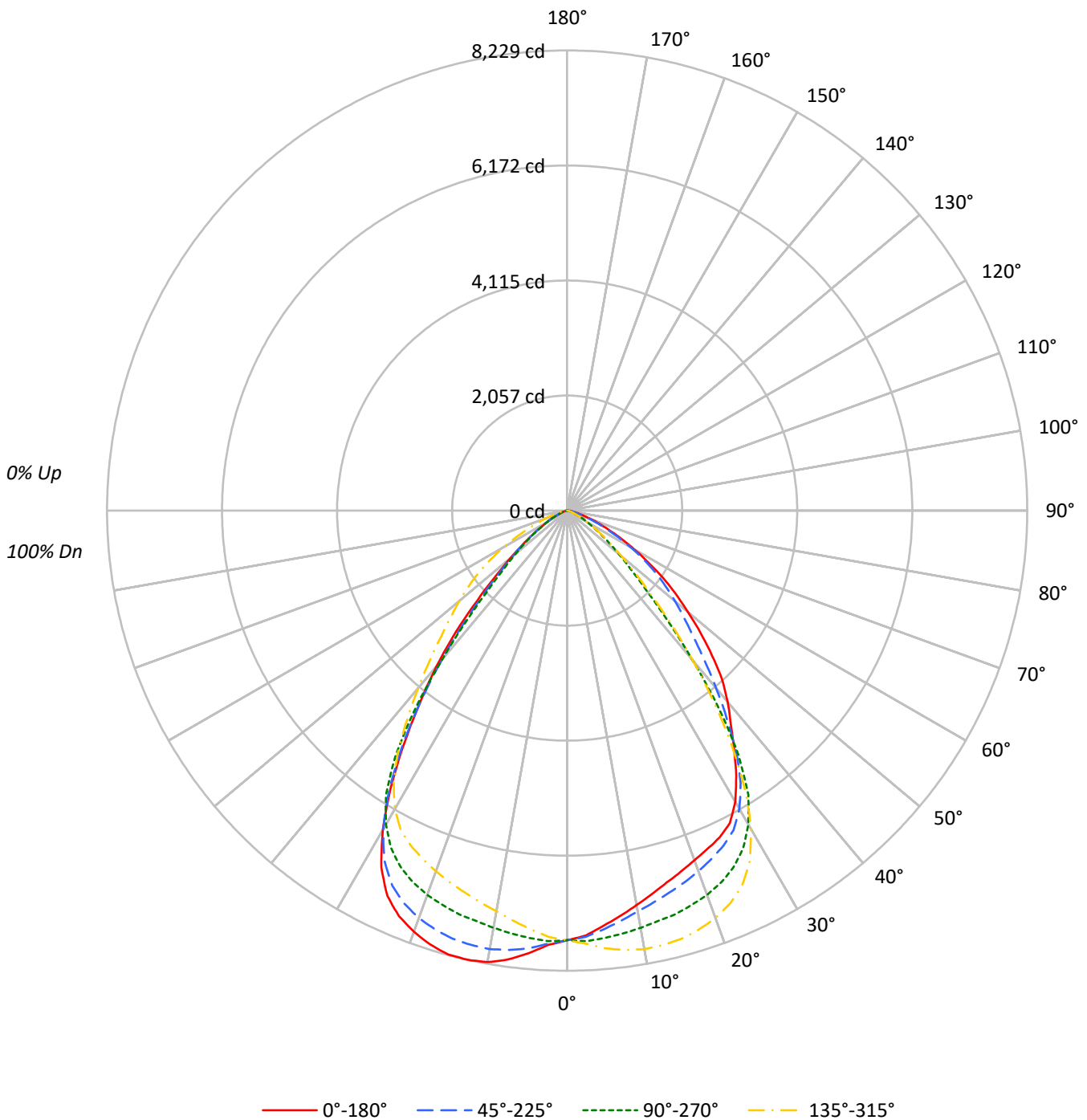
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	731.4	5.7
10°-20°	2118.1	16.4
20°-30°	3207.2	24.8
30°-40°	3214.4	24.8
40°-50°	2018.5	15.6
50°-60°	1075.7	8.3
60°-70°	442.3	3.4
70°-80°	116.9	0.9
80°-90°	19.8	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°	6056.7	46.8
0°-40°	9271.2	71.6
0°-60°	12365.3	95.5
0°-90°	12944.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12944.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7684	7684	7684	7684	7684	
5°	7452	7673	7947	7673	7452	703
15°	6885	7474	8217	7474	6885	1947
25°	6450	7039	7606	7039	6450	2958
35°	5201	5347	5073	5347	5201	3258
45°	3662	1959	2266	1959	3662	2817
55°	2082	724	765	724	2082	1857
65°	829	221	203	221	829	860
75°	233	45	38	45	233	264
85°	49	0	4	0	49	54
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°	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5
2.5°	7605.8	7598.2	7594.5	7602.1	7605.8	7620.8	7617.2	7624.5	7624.5	7628.4	7635.8
5°	7452.0	7448.2	7452.0	7452.0	7467.0	7481.9	7478.2	7489.6	7496.9	7515.8	7523.2
7.5°	7309.5	7309.5	7305.6	7320.6	7328.1	7350.6	7346.8	7365.7	7377.0	7395.6	7421.8
10°	7163.0	7163.0	7166.7	7178.1	7181.9	7215.5	7215.5	7241.8	7256.8	7275.6	7309.5
12.5°	7020.4	7020.4	7043.1	7035.4	7050.5	7076.7	7088.0	7114.3	7136.8	7174.4	7208.1
15°	6885.3	6885.3	6892.9	6911.6	6922.9	6956.7	6975.3	7005.5	7031.7	7069.3	7118.1
17.5°	6769.0	6765.3	6769.0	6791.6	6814.1	6844.0	6859.1	6896.6	6922.9	6971.6	7016.7
20°	6652.7	6660.3	6660.3	6679.0	6694.0	6731.6	6746.5	6787.9	6817.8	6862.8	6915.5
22.5°	6551.4	6547.7	6547.7	6573.9	6585.3	6618.9	6633.9	6671.5	6705.2	6742.8	6791.6
25°	6450.1	6442.5	6457.7	6461.4	6468.8	6506.3	6517.6	6543.9	6577.6	6611.5	6660.3
27.5°	6300.0	6292.6	6296.3	6311.2	6322.5	6352.5	6360.1	6386.3	6412.6	6442.5	6483.9
30°	6011.0	6003.6	5999.8	6026.2	6037.4	6059.8	6071.1	6116.2	6123.6	6157.5	6187.4
32.5°	5628.3	5624.6	5632.2	5654.6	5665.8	5696.0	5711.0	5737.2	5755.8	5774.7	5804.7
35°	5200.7	5193.1	5200.7	5223.2	5223.2	5249.5	5260.7	5271.9	5268.2	5271.9	5264.4
37.5°	4803.0	4799.1	4803.0	4814.1	4803.0	4814.1	4803.0	4780.3	4739.2	4694.1	4649.0
40°	4465.1	4468.8	4446.4	4461.4	4420.1	4412.7	4371.4	4315.0	4232.6	4142.6	4015.0
42.5°	4105.0	4093.8	4078.8	4086.1	4052.5	4026.0	3958.5	3887.4	3782.2	3632.3	3478.3
45°	3662.2	3658.5	3651.0	3647.2	3624.6	3598.4	3542.1	3459.6	3343.3	3189.5	3005.5
47.5°	3230.7	3219.4	3219.4	3223.1	3196.9	3193.2	3148.1	3076.9	2975.5	2825.4	2634.1
50°	2817.9	2814.2	2821.7	2836.7	2817.9	2810.5	2780.4	2731.7	2641.6	2514.0	2333.8
52.5°	2446.4	2442.7	2450.2	2468.9	2461.4	2468.9	2439.0	2401.4	2341.4	2217.5	2060.0
55°	2082.5	2082.5	2082.5	2105.0	2105.0	2105.0	2089.9	2067.5	2011.2	1921.2	1774.9
57.5°	1703.6	1707.2	1729.8	1733.5	1729.8	1737.3	1733.5	1710.9	1673.6	1609.8	1497.1
60°	1384.6	1384.6	1395.9	1407.1	1403.3	1407.1	1407.1	1395.9	1358.3	1305.8	1215.8
62.5°	1095.6	1106.9	1099.4	1106.9	1121.9	1106.9	1099.4	1091.9	1065.7	1031.9	956.8
65°	829.2	836.8	836.8	840.5	833.0	836.8	821.8	810.6	795.6	758.0	709.2
67.5°	630.4	630.4	630.4	630.4	626.6	622.9	619.2	607.9	581.6	566.7	514.0
70°	484.1	461.5	461.5	461.5	461.5	465.3	454.0	439.1	431.6	405.2	367.8
72.5°	322.7	330.2	322.7	322.7	315.2	318.9	304.0	296.3	289.0	273.9	251.4
75°	232.6	213.9	221.3	225.2	213.9	221.3	206.3	191.4	191.4	180.1	168.9
77.5°	150.1	146.4	150.1	153.8	150.1	146.4	138.8	131.3	131.3	127.6	116.3
80°	108.9	105.1	105.1	105.1	101.4	105.1	97.6	97.6	90.0	86.3	78.8
82.5°	71.3	71.3	67.5	71.3	67.5	71.3	60.1	60.1	60.1	56.2	48.8
85°	48.8	41.3	41.3	45.1	37.6	45.1	41.3	37.6	33.9	33.9	29.9
87.5°	22.5	26.2	22.5	26.2	22.5	22.5	26.2	22.5	22.5	15.0	15.0
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°	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5
2.5°	7647.1	7650.8	7650.8	7665.9	7673.3	7677.0	7677.0	7707.2	7695.9	7703.4	7710.9
5°	7538.3	7560.7	7568.3	7568.3	7609.5	7624.5	7639.5	7673.3	7677.0	7699.6	7725.8
7.5°	7433.1	7459.4	7474.5	7508.2	7534.5	7560.7	7605.8	7628.4	7650.8	7680.9	7714.6
10°	7331.8	7362.0	7391.9	7418.1	7459.4	7493.3	7523.2	7575.8	7602.1	7643.4	7688.2
12.5°	7234.4	7275.6	7301.9	7346.8	7391.9	7421.8	7467.0	7515.8	7557.1	7598.2	7650.8
15°	7148.0	7196.8	7226.8	7275.6	7324.4	7365.7	7414.4	7474.5	7504.5	7553.4	7602.1
17.5°	7054.2	7106.8	7144.3	7189.3	7249.4	7294.3	7335.7	7395.6	7433.1	7485.6	7542.0
20°	6956.7	7009.2	7054.2	7099.2	7159.3	7204.3	7253.1	7313.2	7354.4	7406.9	7452.0
22.5°	6840.3	6889.2	6937.9	6990.4	7050.5	7088.0	7144.3	7196.8	7241.8	7290.6	7335.7
25°	6690.3	6750.3	6787.9	6836.5	6885.3	6926.6	6986.7	7039.1	7076.7	7121.8	7163.0
27.5°	6513.9	6559.0	6588.9	6630.2	6679.0	6716.5	6761.5	6814.1	6851.7	6892.9	6922.9
30°	6213.6	6255.0	6281.3	6311.2	6360.1	6393.9	6431.4	6480.1	6506.3	6536.5	6562.7
32.5°	5819.6	5853.5	5868.4	5891.1	5924.8	5958.6	5988.6	6029.9	6041.1	6059.8	6059.8
35°	5249.5	5256.9	5253.2	5260.7	5275.7	5294.4	5320.7	5346.9	5361.9	5361.9	5350.7
37.5°	4581.4	4536.6	4487.7	4450.2	4438.9	4431.4	4446.4	4457.6	4472.8	4480.2	4461.4
40°	3887.4	3786.1	3677.2	3579.6	3512.1	3482.1	3470.8	3478.3	3478.3	3504.5	3504.5
42.5°	3290.7	3133.1	2971.8	2825.4	2727.8	2652.9	2619.1	2619.1	2622.8	2641.6	2652.9
45°	2795.5	2596.5	2408.8	2247.6	2112.5	2014.9	1970.0	1958.6	1955.0	1962.3	1988.7
47.5°	2416.5	2210.1	2014.9	1816.1	1673.6	1576.0	1534.7	1519.5	1504.6	1519.5	1523.5
50°	2120.1	1906.2	1699.9	1500.9	1350.8	1264.5	1212.0	1189.4	1185.6	1185.6	1193.3
52.5°	1849.8	1651.0	1444.7	1242.0	1084.4	1001.9	953.1	941.8	926.8	941.8	941.8
55°	1594.7	1395.9	1193.3	1001.9	870.4	784.2	739.1	724.2	716.6	727.9	727.9
57.5°	1317.1	1148.2	960.6	787.9	656.7	596.6	562.8	544.2	540.2	547.8	540.2
60°	1080.7	938.1	776.7	619.2	517.8	454.0	427.8	420.3	412.6	420.3	420.3
62.5°	855.4	735.5	604.0	484.1	397.7	352.8	322.7	322.7	318.9	318.9	322.7
65°	634.2	540.2	446.5	345.2	277.7	243.9	221.3	221.3	217.6	221.3	217.6
67.5°	461.5	397.7	322.7	251.4	198.9	180.1	165.2	153.8	161.4	153.8	150.1
70°	337.7	285.1	232.6	191.4	153.8	135.1	123.9	120.0	112.6	112.6	112.6
72.5°	225.2	191.4	157.5	123.9	101.4	82.5	78.8	71.3	63.8	67.5	75.0
75°	150.1	127.6	112.6	90.0	67.5	67.5	45.1	45.1	37.6	45.1	33.9
77.5°	105.1	86.3	67.5	56.2	45.1	41.3	29.9	29.9	26.2	26.2	26.2
80°	75.0	63.8	48.8	41.3	29.9	29.9	26.2	22.5	18.7	18.7	22.5
82.5°	45.1	33.9	33.9	29.9	18.7	15.0	11.2	15.0	7.5	7.5	7.5
85°	26.2	22.5	18.7	11.2	7.5	7.5	3.7	0.0	3.7	3.7	0.0
87.5°	15.0	7.5	7.5	3.7	0.0	3.7	3.7	0.0	0.0	0.0	7.5
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5
2.5°	7729.6	7725.8	7733.4	7733.4	7756.0	7752.0	7763.4	7763.4	7756.0	7759.7	7774.6
5°	7756.0	7767.2	7789.6	7808.5	7842.2	7857.2	7875.9	7894.8	7898.5	7909.8	7921.0
7.5°	7756.0	7793.4	7819.8	7853.4	7898.5	7924.7	7966.0	7999.8	8014.8	8033.5	8056.0
10°	7740.8	7778.4	7827.2	7864.6	7921.0	7962.3	8003.5	8056.0	8078.6	8108.6	8138.7
12.5°	7710.9	7752.0	7804.6	7853.4	7917.2	7954.8	8007.2	8056.0	8089.9	8131.0	8164.9
15°	7665.9	7714.6	7763.4	7812.1	7879.6	7924.7	7973.6	8029.8	8063.6	8108.6	8138.7
17.5°	7594.5	7647.1	7692.2	7737.1	7800.9	7853.4	7898.5	7951.0	7984.8	8022.4	8063.6
20°	7508.2	7557.1	7605.8	7643.4	7707.2	7752.0	7800.9	7849.7	7875.9	7883.6	7947.3
22.5°	7399.5	7433.1	7470.7	7530.8	7568.3	7609.5	7654.6	7699.6	7725.8	7767.2	7789.6
25°	7219.2	7253.1	7294.3	7320.6	7365.7	7399.5	7444.5	7493.3	7508.2	7538.3	7560.7
27.5°	6967.9	6986.7	7005.5	7027.9	7054.2	7073.0	7099.2	7121.8	7136.8	7151.7	7166.7
30°	6570.1	6570.1	6570.1	6555.2	6566.4	6577.6	6581.4	6577.6	6577.6	6573.9	6573.9
32.5°	6044.8	6014.9	5981.1	5951.1	5939.8	5924.8	5917.3	5906.0	5887.3	5876.0	5879.7
35°	5335.7	5268.2	5226.9	5189.4	5159.4	5136.9	5125.6	5114.4	5110.7	5095.6	5080.5
37.5°	4450.2	4401.3	4371.4	4348.9	4322.6	4300.1	4303.8	4307.6	4318.8	4311.3	4315.0
40°	3512.1	3500.8	3512.1	3485.8	3478.3	3485.8	3504.5	3530.9	3545.9	3560.8	3587.2
42.5°	2671.6	2690.3	2716.6	2716.6	2727.8	2743.0	2765.4	2806.8	2829.2	2855.4	2885.5
45°	2011.2	2033.8	2067.5	2078.7	2086.2	2105.0	2131.3	2165.1	2180.0	2202.5	2228.8
47.5°	1549.7	1564.6	1583.3	1602.2	1620.9	1628.4	1654.8	1654.8	1673.6	1688.5	1695.9
50°	1208.2	1223.2	1238.2	1249.4	1257.1	1268.3	1275.8	1287.0	1290.7	1298.2	1302.0
52.5°	945.6	964.4	964.4	971.8	983.0	994.3	990.6	994.3	998.0	998.0	1009.4
55°	739.1	739.1	750.5	750.5	758.0	754.2	758.0	758.0	758.0	758.0	761.7
57.5°	551.5	555.4	566.7	559.1	555.4	562.8	555.4	562.8	559.1	566.7	555.4
60°	423.9	423.9	427.8	427.8	431.6	431.6	431.6	427.8	427.8	423.9	423.9
62.5°	318.9	322.7	326.5	322.7	322.7	322.7	318.9	318.9	315.2	311.4	311.4
65°	213.9	210.2	217.6	210.2	213.9	213.9	210.2	213.9	202.6	206.3	202.6
67.5°	153.8	150.1	146.4	150.1	146.4	142.5	142.5	146.4	150.1	138.8	138.8
70°	101.4	105.1	101.4	105.1	108.9	108.9	105.1	101.4	105.1	97.6	101.4
72.5°	63.8	63.8	63.8	63.8	63.8	67.5	67.5	67.5	60.1	60.1	56.2
75°	29.9	41.3	33.9	29.9	41.3	41.3	37.6	37.6	33.9	33.9	33.9
77.5°	29.9	22.5	22.5	22.5	22.5	22.5	22.5	22.5	18.7	22.5	18.7
80°	15.0	15.0	15.0	11.2	15.0	15.0	18.7	15.0	15.0	11.2	18.7
82.5°	7.5	7.5	7.5	0.0	3.7	7.5	7.5	3.7	7.5	7.5	3.7
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: P248964

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5
2.5°	7770.9	7767.2	7770.9	7774.6	7770.9	7767.2	7770.9	7774.6	7759.7	7756.0	7763.4
5°	7936.0	7936.0	7943.4	7947.3	7943.4	7936.0	7936.0	7921.0	7909.8	7898.5	7894.8
7.5°	8078.6	8086.2	8093.6	8097.3	8093.6	8086.2	8078.6	8056.0	8033.5	8014.8	7999.8
10°	8164.9	8176.2	8191.1	8198.6	8191.1	8176.2	8164.9	8138.7	8108.6	8078.6	8056.0
12.5°	8202.5	8213.7	8232.4	8228.7	8232.4	8213.7	8202.5	8164.9	8131.0	8089.9	8056.0
15°	8176.2	8191.1	8209.9	8217.4	8209.9	8191.1	8176.2	8138.7	8108.6	8063.6	8029.8
17.5°	8093.6	8116.1	8127.3	8138.7	8127.3	8116.1	8093.6	8063.6	8022.4	7984.8	7951.0
20°	7981.0	7996.2	8011.1	8014.8	8011.1	7996.2	7981.0	7947.3	7883.6	7875.9	7849.7
22.5°	7819.8	7831.0	7864.6	7853.4	7864.6	7831.0	7819.8	7789.6	7767.2	7725.8	7699.6
25°	7587.0	7598.2	7602.1	7605.8	7602.1	7598.2	7587.0	7560.7	7538.3	7508.2	7493.3
27.5°	7185.6	7185.6	7193.0	7196.8	7193.0	7185.6	7185.6	7166.7	7151.7	7136.8	7121.8
30°	6577.6	6577.6	6577.6	6596.6	6577.6	6577.6	6577.6	6573.9	6573.9	6577.6	6577.6
32.5°	5876.0	5868.4	5861.0	5868.4	5861.0	5868.4	5876.0	5879.7	5876.0	5887.3	5906.0
35°	5080.5	5076.8	5088.0	5073.1	5088.0	5076.8	5080.5	5080.5	5095.6	5110.7	5114.4
37.5°	4318.8	4311.3	4326.3	4311.3	4326.3	4311.3	4318.8	4315.0	4311.3	4318.8	4307.6
40°	3594.7	3602.1	3602.1	3632.3	3602.1	3602.1	3594.7	3587.2	3560.8	3545.9	3530.9
42.5°	2900.5	2923.1	2915.4	2938.0	2915.4	2923.1	2900.5	2885.5	2855.4	2829.2	2806.8
45°	2243.8	2258.9	2258.9	2266.3	2258.9	2258.9	2243.8	2228.8	2202.5	2180.0	2165.1
47.5°	1722.3	1722.3	1722.3	1726.1	1722.3	1722.3	1722.3	1695.9	1688.5	1673.6	1654.8
50°	1309.5	1313.2	1317.1	1320.9	1317.1	1313.2	1309.5	1302.0	1298.2	1290.7	1287.0
52.5°	1005.6	1009.4	1001.9	1009.4	1001.9	1009.4	1005.6	1009.4	998.0	998.0	994.3
55°	761.7	758.0	761.7	765.4	761.7	758.0	761.7	761.7	758.0	758.0	758.0
57.5°	559.1	551.5	551.5	551.5	551.5	551.5	559.1	555.4	566.7	559.1	562.8
60°	416.6	420.3	420.3	423.9	420.3	420.3	416.6	423.9	423.9	427.8	427.8
62.5°	307.7	318.9	311.4	318.9	311.4	318.9	307.7	311.4	311.4	315.2	318.9
65°	198.9	198.9	198.9	202.6	198.9	198.9	198.9	202.6	206.3	202.6	213.9
67.5°	135.1	138.8	146.4	142.5	146.4	138.8	135.1	138.8	138.8	150.1	146.4
70°	108.9	97.6	97.6	108.9	97.6	97.6	108.9	101.4	97.6	105.1	101.4
72.5°	63.8	56.2	63.8	63.8	63.8	56.2	63.8	56.2	60.1	60.1	67.5
75°	33.9	29.9	26.2	37.6	26.2	29.9	33.9	33.9	33.9	33.9	37.6
77.5°	22.5	18.7	26.2	26.2	26.2	18.7	22.5	18.7	22.5	18.7	22.5
80°	11.2	15.0	11.2	18.7	11.2	15.0	11.2	18.7	11.2	15.0	15.0
82.5°	3.7	7.5	7.5	7.5	7.5	7.5	3.7	3.7	7.5	7.5	3.7
85°	0.0	7.5	3.7	3.7	3.7	7.5	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	0.0	0.0	3.7	0.0	0.0	3.7	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: P248964

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5
2.5°	7763.4	7752.0	7756.0	7733.4	7733.4	7725.8	7729.6	7710.9	7703.4	7695.9	7707.2
5°	7875.9	7857.2	7842.2	7808.5	7789.6	7767.2	7756.0	7725.8	7699.6	7677.0	7673.3
7.5°	7966.0	7924.7	7898.5	7853.4	7819.8	7793.4	7756.0	7714.6	7680.9	7650.8	7628.4
10°	8003.5	7962.3	7921.0	7864.6	7827.2	7778.4	7740.8	7688.2	7643.4	7602.1	7575.8
12.5°	8007.2	7954.8	7917.2	7853.4	7804.6	7752.0	7710.9	7650.8	7598.2	7557.1	7515.8
15°	7973.6	7924.7	7879.6	7812.1	7763.4	7714.6	7665.9	7602.1	7553.4	7504.5	7474.5
17.5°	7898.5	7853.4	7800.9	7737.1	7692.2	7647.1	7594.5	7542.0	7485.6	7433.1	7395.6
20°	7800.9	7752.0	7707.2	7643.4	7605.8	7557.1	7508.2	7452.0	7406.9	7354.4	7313.2
22.5°	7654.6	7609.5	7568.3	7530.8	7470.7	7433.1	7399.5	7335.7	7290.6	7241.8	7196.8
25°	7444.5	7399.5	7365.7	7320.6	7294.3	7253.1	7219.2	7163.0	7121.8	7076.7	7039.1
27.5°	7099.2	7073.0	7054.2	7027.9	7005.5	6986.7	6967.9	6922.9	6892.9	6851.7	6814.1
30°	6581.4	6577.6	6566.4	6555.2	6570.1	6570.1	6570.1	6562.7	6536.5	6506.3	6480.1
32.5°	5917.3	5924.8	5939.8	5951.1	5981.1	6014.9	6044.8	6059.8	6059.8	6041.1	6029.9
35°	5125.6	5136.9	5159.4	5189.4	5226.9	5268.2	5335.7	5350.7	5361.9	5361.9	5346.9
37.5°	4303.8	4300.1	4322.6	4348.9	4371.4	4401.3	4450.2	4461.4	4480.2	4472.8	4457.6
40°	3504.5	3485.8	3478.3	3485.8	3512.1	3500.8	3512.1	3504.5	3504.5	3478.3	3478.3
42.5°	2765.4	2743.0	2727.8	2716.6	2716.6	2690.3	2671.6	2652.9	2641.6	2622.8	2619.1
45°	2131.3	2105.0	2086.2	2078.7	2067.5	2033.8	2011.2	1988.7	1962.3	1955.0	1958.6
47.5°	1654.8	1628.4	1620.9	1602.2	1583.3	1564.6	1549.7	1523.5	1519.5	1504.6	1519.5
50°	1275.8	1268.3	1257.1	1249.4	1238.2	1223.2	1208.2	1193.3	1185.6	1185.6	1189.4
52.5°	990.6	994.3	983.0	971.8	964.4	964.4	945.6	941.8	941.8	926.8	941.8
55°	758.0	754.2	758.0	750.5	750.5	739.1	739.1	727.9	727.9	716.6	724.2
57.5°	555.4	562.8	555.4	559.1	566.7	555.4	551.5	540.2	547.8	540.2	544.2
60°	431.6	431.6	431.6	427.8	427.8	423.9	423.9	420.3	420.3	412.6	420.3
62.5°	318.9	322.7	322.7	322.7	326.5	322.7	318.9	322.7	318.9	318.9	322.7
65°	210.2	213.9	213.9	210.2	217.6	210.2	213.9	217.6	221.3	217.6	221.3
67.5°	142.5	142.5	146.4	150.1	146.4	150.1	153.8	150.1	153.8	161.4	153.8
70°	105.1	108.9	108.9	105.1	101.4	105.1	101.4	112.6	112.6	112.6	120.0
72.5°	67.5	67.5	63.8	63.8	63.8	63.8	63.8	75.0	67.5	63.8	71.3
75°	37.6	41.3	41.3	29.9	33.9	41.3	29.9	33.9	45.1	37.6	45.1
77.5°	22.5	22.5	22.5	22.5	22.5	22.5	29.9	26.2	26.2	26.2	29.9
80°	18.7	15.0	15.0	11.2	15.0	15.0	15.0	22.5	18.7	18.7	22.5
82.5°	7.5	7.5	3.7	0.0	7.5	7.5	7.5	7.5	7.5	7.5	15.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	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: P248964

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5
2.5°	7677.0	7677.0	7673.3	7665.9	7650.8	7650.8	7647.1	7635.8	7628.4	7624.5	7624.5
5°	7639.5	7624.5	7609.5	7568.3	7568.3	7560.7	7538.3	7523.2	7515.8	7496.9	7489.6
7.5°	7605.8	7560.7	7534.5	7508.2	7474.5	7459.4	7433.1	7421.8	7395.6	7377.0	7365.7
10°	7523.2	7493.3	7459.4	7418.1	7391.9	7362.0	7331.8	7309.5	7275.6	7256.8	7241.8
12.5°	7467.0	7421.8	7391.9	7346.8	7301.9	7275.6	7234.4	7208.1	7174.4	7136.8	7114.3
15°	7414.4	7365.7	7324.4	7275.6	7226.8	7196.8	7148.0	7118.1	7069.3	7031.7	7005.5
17.5°	7335.7	7294.3	7249.4	7189.3	7144.3	7106.8	7054.2	7016.7	6971.6	6922.9	6896.6
20°	7253.1	7204.3	7159.3	7099.2	7054.2	7009.2	6956.7	6915.5	6862.8	6817.8	6787.9
22.5°	7144.3	7088.0	7050.5	6990.4	6937.9	6889.2	6840.3	6791.6	6742.8	6705.2	6671.5
25°	6986.7	6926.6	6885.3	6836.5	6787.9	6750.3	6690.3	6660.3	6611.5	6577.6	6543.9
27.5°	6761.5	6716.5	6679.0	6630.2	6588.9	6559.0	6513.9	6483.9	6442.5	6412.6	6386.3
30°	6431.4	6393.9	6360.1	6311.2	6281.3	6255.0	6213.6	6187.4	6157.5	6123.6	6116.2
32.5°	5988.6	5958.6	5924.8	5891.1	5868.4	5853.5	5819.6	5804.7	5774.7	5755.8	5737.2
35°	5320.7	5294.4	5275.7	5260.7	5253.2	5256.9	5249.5	5264.4	5271.9	5268.2	5271.9
37.5°	4446.4	4431.4	4438.9	4450.2	4487.7	4536.6	4581.4	4649.0	4694.1	4739.2	4780.3
40°	3470.8	3482.1	3512.1	3579.6	3677.2	3786.1	3887.4	4015.0	4142.6	4232.6	4315.0
42.5°	2619.1	2652.9	2727.8	2825.4	2971.8	3133.1	3290.7	3478.3	3632.3	3782.2	3887.4
45°	1970.0	2014.9	2112.5	2247.6	2408.8	2596.5	2795.5	3005.5	3189.5	3343.3	3459.6
47.5°	1534.7	1576.0	1673.6	1816.1	2014.9	2210.1	2416.5	2634.1	2825.4	2975.5	3076.9
50°	1212.0	1264.5	1350.8	1500.9	1699.9	1906.2	2120.1	2333.8	2514.0	2641.6	2731.7
52.5°	953.1	1001.9	1084.4	1242.0	1444.7	1651.0	1849.8	2060.0	2217.5	2341.4	2401.4
55°	739.1	784.2	870.4	1001.9	1193.3	1395.9	1594.7	1774.9	1921.2	2011.2	2067.5
57.5°	562.8	596.6	656.7	787.9	960.6	1148.2	1317.1	1497.1	1609.8	1673.6	1710.9
60°	427.8	454.0	517.8	619.2	776.7	938.1	1080.7	1215.8	1305.8	1358.3	1395.9
62.5°	322.7	352.8	397.7	484.1	604.0	735.5	855.4	956.8	1031.9	1065.7	1091.9
65°	221.3	243.9	277.7	345.2	446.5	540.2	634.2	709.2	758.0	795.6	810.6
67.5°	165.2	180.1	198.9	251.4	322.7	397.7	461.5	514.0	566.7	581.6	607.9
70°	123.9	135.1	153.8	191.4	232.6	285.1	337.7	367.8	405.2	431.6	439.1
72.5°	78.8	82.5	101.4	123.9	157.5	191.4	225.2	251.4	273.9	289.0	296.3
75°	45.1	67.5	67.5	90.0	112.6	127.6	150.1	168.9	180.1	191.4	191.4
77.5°	29.9	41.3	45.1	56.2	67.5	86.3	105.1	116.3	127.6	131.3	131.3
80°	26.2	29.9	29.9	41.3	48.8	63.8	75.0	78.8	86.3	90.0	97.6
82.5°	11.2	15.0	18.7	29.9	33.9	33.9	45.1	48.8	56.2	60.1	60.1
85°	3.7	7.5	7.5	11.2	18.7	22.5	26.2	29.9	33.9	33.9	37.6
87.5°	3.7	3.7	0.0	3.7	7.5	7.5	15.0	15.0	15.0	22.5	22.5
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: P248964

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5	7684.5
2.5°	7617.2	7620.8	7605.8	7602.1	7594.5	7598.2	7605.8
5°	7478.2	7481.9	7467.0	7452.0	7452.0	7448.2	7452.0
7.5°	7346.8	7350.6	7328.1	7320.6	7305.6	7309.5	7309.5
10°	7215.5	7215.5	7181.9	7178.1	7166.7	7163.0	7163.0
12.5°	7088.0	7076.7	7050.5	7035.4	7043.1	7020.4	7020.4
15°	6975.3	6956.7	6922.9	6911.6	6892.9	6885.3	6885.3
17.5°	6859.1	6844.0	6814.1	6791.6	6769.0	6765.3	6769.0
20°	6746.5	6731.6	6694.0	6679.0	6660.3	6660.3	6652.7
22.5°	6633.9	6618.9	6585.3	6573.9	6547.7	6547.7	6551.4
25°	6517.6	6506.3	6468.8	6461.4	6457.7	6442.5	6450.1
27.5°	6360.1	6352.5	6322.5	6311.2	6296.3	6292.6	6300.0
30°	6071.1	6059.8	6037.4	6026.2	5999.8	6003.6	6011.0
32.5°	5711.0	5696.0	5665.8	5654.6	5632.2	5624.6	5628.3
35°	5260.7	5249.5	5223.2	5223.2	5200.7	5193.1	5200.7
37.5°	4803.0	4814.1	4803.0	4814.1	4803.0	4799.1	4803.0
40°	4371.4	4412.7	4420.1	4461.4	4446.4	4468.8	4465.1
42.5°	3958.5	4026.0	4052.5	4086.1	4078.8	4093.8	4105.0
45°	3542.1	3598.4	3624.6	3647.2	3651.0	3658.5	3662.2
47.5°	3148.1	3193.2	3196.9	3223.1	3219.4	3219.4	3230.7
50°	2780.4	2810.5	2817.9	2836.7	2821.7	2814.2	2817.9
52.5°	2439.0	2468.9	2461.4	2468.9	2450.2	2442.7	2446.4
55°	2089.9	2105.0	2105.0	2105.0	2082.5	2082.5	2082.5
57.5°	1733.5	1737.3	1729.8	1733.5	1729.8	1707.2	1703.6
60°	1407.1	1407.1	1403.3	1407.1	1395.9	1384.6	1384.6
62.5°	1099.4	1106.9	1121.9	1106.9	1099.4	1106.9	1095.6
65°	821.8	836.8	833.0	840.5	836.8	836.8	829.2
67.5°	619.2	622.9	626.6	630.4	630.4	630.4	630.4
70°	454.0	465.3	461.5	461.5	461.5	461.5	484.1
72.5°	304.0	318.9	315.2	322.7	322.7	330.2	322.7
75°	206.3	221.3	213.9	225.2	221.3	213.9	232.6
77.5°	138.8	146.4	150.1	153.8	150.1	146.4	150.1
80°	97.6	105.1	101.4	105.1	105.1	105.1	108.9
82.5°	60.1	71.3	67.5	71.3	67.5	71.3	71.3
85°	41.3	45.1	37.6	45.1	41.3	41.3	48.8
87.5°	26.2	22.5	22.5	26.2	22.5	26.2	22.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)