

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: P248890

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248890  
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: LSR8B150D010 EC8B150835 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12417.0 lumens  
Efficiency: N/A  
Efficacy: 78.3 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

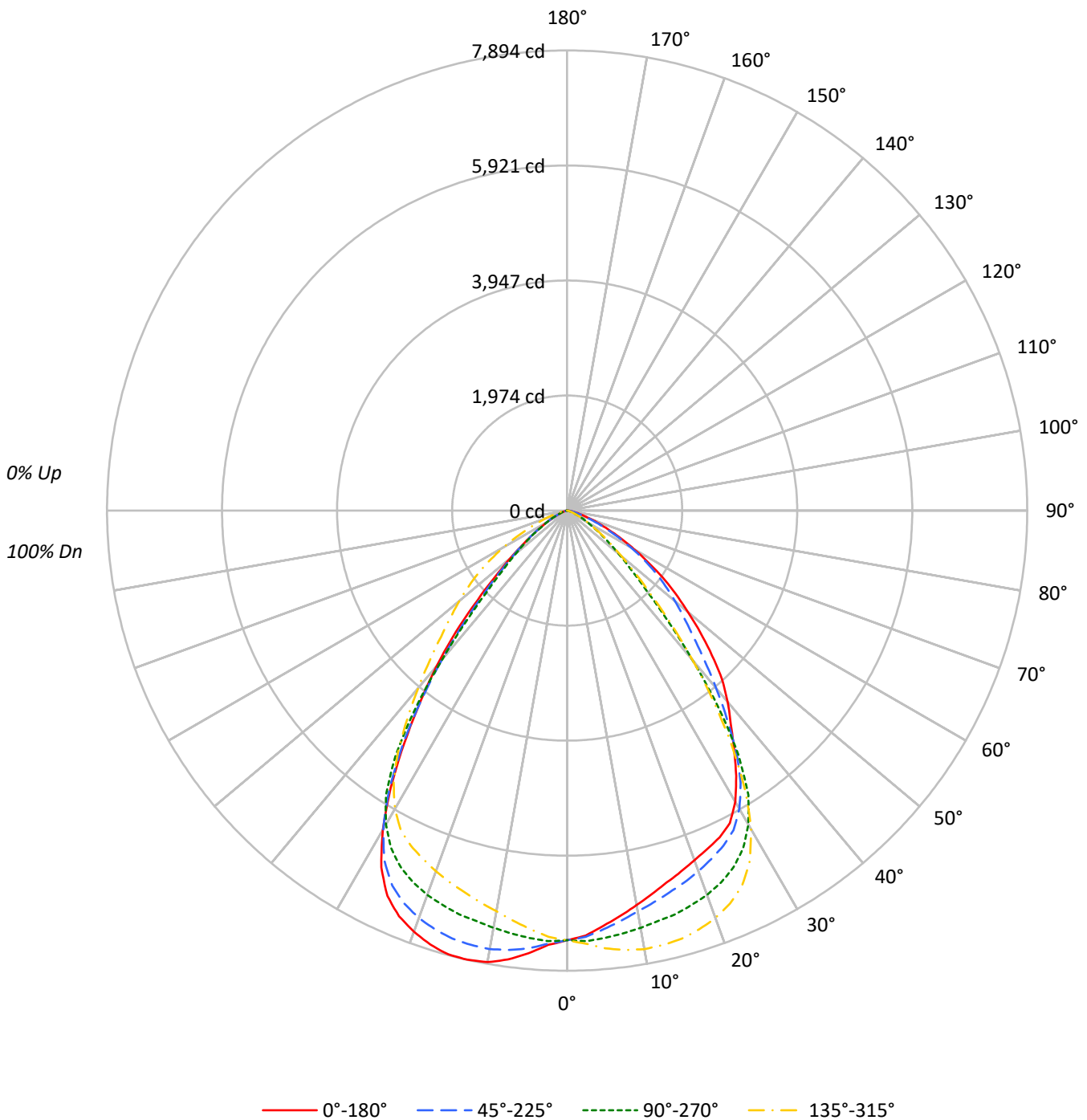
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	227313	227313	227313	227313
5°	221275	227847	235982	227847
10°	215154	227548	246256	227548
15°	210855	228899	251648	228899
20°	209421	230209	252294	230209
25°	210521	229744	248240	229744
30°	205315	221335	225312	221335
35°	187799	193081	183192	193081
40°	172420	134311	140257	134311
45°	153199	81937	94806	81937
50°	129675	54732	60782	54732
55°	107399	37348	39477	37348
60°	81914	24860	25082	24860
65°	58036	15490	14184	15490
70°	41861	10377	9413	10377
75°	26581	5159	4289	5159
80°	18539	3836	3179	3836
85°	16558	0	1274	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	701.6	5.7
10°-20°	2031.8	16.4
20°-30°	3076.6	24.8
30°-40°	3083.5	24.8
40°-50°	1936.3	15.6
50°-60°	1031.8	8.3
60°-70°	424.3	3.4
70°-80°	112.1	0.9
80°-90°	19.0	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°	5810.0	46.8
0°-40°	8893.5	71.6
0°-60°	11861.6	95.5
0°-90°	12417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12417.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7372	7372	7372	7372	7372	
5°	7148	7361	7624	7361	7148	674
15°	6605	7170	7883	7170	6605	1868
25°	6187	6752	7296	6752	6187	2838
35°	4989	5129	4866	5129	4989	3125
45°	3513	1879	2174	1879	3513	2702
55°	1998	695	734	695	1998	1781
65°	795	212	194	212	795	825
75°	223	43	36	43	223	253
85°	47	0	4	0	47	51
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°	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6
2.5°	7296.0	7288.8	7285.2	7292.5	7296.0	7310.4	7306.8	7313.9	7313.9	7317.7	7324.8
5°	7148.5	7144.8	7148.5	7148.5	7162.8	7177.2	7173.6	7184.5	7191.6	7209.6	7216.8
7.5°	7011.7	7011.7	7008.0	7022.4	7029.6	7051.3	7047.6	7065.6	7076.5	7094.4	7119.6
10°	6871.3	6871.3	6874.8	6885.6	6889.3	6921.6	6921.6	6946.8	6961.2	6979.3	7011.7
12.5°	6734.5	6734.5	6756.1	6748.9	6763.3	6788.4	6799.3	6824.4	6846.1	6882.1	6914.5
15°	6604.9	6604.9	6612.1	6630.1	6640.9	6673.3	6691.3	6720.1	6745.3	6781.3	6828.1
17.5°	6493.3	6489.8	6493.3	6514.9	6536.6	6565.3	6579.7	6615.7	6640.9	6687.7	6731.0
20°	6381.8	6389.0	6389.0	6406.9	6421.3	6457.3	6471.7	6511.4	6540.1	6583.2	6633.8
22.5°	6284.6	6281.0	6281.0	6306.2	6317.0	6349.3	6363.7	6399.7	6432.1	6468.1	6514.9
25°	6187.4	6180.1	6194.6	6198.2	6205.3	6241.3	6252.1	6277.3	6309.8	6342.2	6389.0
27.5°	6043.4	6036.3	6039.8	6054.2	6065.0	6093.7	6101.0	6126.2	6151.4	6180.1	6219.8
30°	5766.2	5759.1	5755.5	5780.7	5791.5	5813.0	5823.8	5867.1	5874.2	5906.6	5935.4
32.5°	5399.0	5395.5	5402.8	5424.2	5435.1	5463.9	5478.3	5503.5	5521.4	5539.5	5568.2
35°	4988.8	4981.5	4988.8	5010.4	5010.4	5035.6	5046.4	5057.1	5053.6	5057.1	5050.0
37.5°	4607.3	4603.6	4607.3	4618.0	4607.3	4618.0	4607.3	4585.7	4546.1	4502.9	4459.6
40°	4283.3	4286.9	4265.4	4279.7	4240.0	4232.9	4193.4	4139.3	4060.2	3973.8	3851.4
42.5°	3937.8	3927.0	3912.6	3919.7	3887.4	3862.1	3797.4	3729.1	3628.2	3484.3	3336.6
45°	3513.0	3509.5	3502.2	3498.7	3477.0	3451.9	3397.8	3318.7	3207.1	3059.5	2883.1
47.5°	3099.1	3088.3	3088.3	3091.8	3066.7	3063.1	3019.8	2951.5	2854.3	2710.3	2526.8
50°	2703.1	2699.5	2706.8	2721.2	2703.1	2696.0	2667.2	2620.4	2534.0	2411.7	2238.8
52.5°	2346.8	2343.2	2350.5	2368.4	2361.1	2368.4	2339.7	2303.7	2246.0	2127.2	1976.1
55°	1997.7	1997.7	1997.7	2019.2	2019.2	2019.2	2004.8	1983.3	1929.3	1842.9	1702.6
57.5°	1634.1	1637.7	1659.3	1662.9	1659.3	1666.6	1662.9	1641.3	1605.4	1544.2	1436.2
60°	1328.2	1328.2	1339.0	1349.8	1346.1	1349.8	1349.8	1339.0	1303.0	1252.6	1166.3
62.5°	1051.0	1061.8	1054.6	1061.8	1076.2	1061.8	1054.6	1047.5	1022.3	989.8	917.8
65°	795.4	802.7	802.7	806.3	799.0	802.7	788.3	777.5	763.1	727.1	680.3
67.5°	604.8	604.8	604.8	604.8	601.1	597.5	594.0	583.1	558.0	543.6	493.1
70°	464.3	442.7	442.7	442.7	442.7	446.4	435.6	421.2	413.9	388.8	352.8
72.5°	309.5	316.8	309.5	309.5	302.4	305.9	291.6	284.3	277.2	262.8	241.2
75°	223.1	205.2	212.3	216.0	205.2	212.3	197.9	183.6	183.6	172.7	161.9
77.5°	144.0	140.5	144.0	147.6	144.0	140.5	133.2	125.9	125.9	122.4	111.6
80°	104.4	100.7	100.7	100.7	97.2	100.7	93.6	93.6	86.4	82.8	75.6
82.5°	68.4	68.4	64.7	68.4	64.7	68.4	57.6	57.6	57.6	53.9	46.8
85°	46.8	39.6	39.6	43.3	36.0	43.3	39.6	36.0	32.4	32.4	28.7
87.5°	21.6	25.2	21.6	25.2	21.6	21.6	25.2	21.6	21.6	14.4	14.4
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6
2.5°	7335.6	7339.1	7339.1	7353.7	7360.8	7364.3	7364.3	7393.2	7382.4	7389.7	7396.8
5°	7231.3	7252.8	7260.0	7260.0	7299.6	7313.9	7328.3	7360.8	7364.3	7386.0	7411.1
7.5°	7130.4	7155.6	7170.1	7202.4	7227.6	7252.8	7296.0	7317.7	7339.1	7368.0	7400.3
10°	7033.2	7062.1	7090.8	7116.0	7155.6	7188.0	7216.8	7267.1	7292.5	7332.0	7375.1
12.5°	6939.7	6979.3	7004.5	7047.6	7090.8	7119.6	7162.8	7209.6	7249.2	7288.8	7339.1
15°	6856.9	6903.7	6932.4	6979.3	7026.1	7065.6	7112.5	7170.1	7198.8	7245.6	7292.5
17.5°	6766.8	6817.3	6853.3	6896.4	6954.1	6997.2	7036.9	7094.4	7130.4	7180.8	7234.8
20°	6673.3	6723.7	6766.8	6810.1	6867.7	6910.8	6957.6	7015.3	7054.8	7105.2	7148.5
22.5°	6561.8	6608.6	6655.3	6705.6	6763.3	6799.3	6853.3	6903.7	6946.8	6993.6	7036.9
25°	6417.8	6475.4	6511.4	6558.1	6604.9	6644.4	6702.1	6752.4	6788.4	6831.7	6871.3
27.5°	6248.6	6291.8	6320.6	6360.1	6406.9	6442.9	6486.1	6536.6	6572.6	6612.1	6640.9
30°	5960.6	6000.3	6025.4	6054.2	6101.0	6133.5	6169.5	6216.1	6241.3	6270.2	6295.4
32.5°	5582.6	5615.1	5629.4	5651.1	5683.5	5715.8	5744.7	5784.3	5795.1	5813.0	5813.0
35°	5035.6	5042.7	5039.2	5046.4	5060.8	5078.7	5103.9	5129.1	5143.5	5143.5	5132.8
37.5°	4394.9	4351.7	4304.9	4268.9	4258.1	4250.9	4265.4	4276.0	4290.6	4297.7	4279.7
40°	3729.1	3631.9	3527.4	3433.8	3369.0	3340.3	3329.5	3336.6	3336.6	3361.8	3361.8
42.5°	3156.7	3005.5	2850.8	2710.3	2616.7	2544.9	2512.4	2512.4	2516.0	2534.0	2544.9
45°	2681.6	2490.8	2310.8	2156.1	2026.5	1932.8	1889.7	1878.9	1875.3	1882.5	1907.6
47.5°	2318.0	2120.1	1932.8	1742.1	1605.4	1511.8	1472.2	1457.7	1443.3	1457.7	1461.4
50°	2033.7	1828.5	1630.6	1439.8	1295.8	1212.9	1162.6	1140.9	1137.4	1137.4	1144.6
52.5°	1774.4	1583.8	1385.8	1191.5	1040.2	961.1	914.3	903.4	889.1	903.4	903.4
55°	1529.7	1339.0	1144.6	961.1	835.0	752.3	709.1	694.7	687.4	698.3	698.3
57.5°	1263.5	1101.4	921.5	755.9	630.0	572.3	539.9	521.9	518.2	525.5	518.2
60°	1036.6	899.9	745.1	594.0	496.8	435.6	410.4	403.1	395.9	403.1	403.1
62.5°	820.6	705.5	579.4	464.3	381.5	338.4	309.5	309.5	305.9	305.9	309.5
65°	608.3	518.2	428.3	331.1	266.4	233.9	212.3	212.3	208.7	212.3	208.7
67.5°	442.7	381.5	309.5	241.2	190.8	172.7	158.4	147.6	154.8	147.6	144.0
70°	324.0	273.5	223.1	183.6	147.6	129.6	118.8	115.1	108.0	108.0	108.0
72.5°	216.0	183.6	151.1	118.8	97.2	79.1	75.6	68.4	61.2	64.7	72.0
75°	144.0	122.4	108.0	86.4	64.7	64.7	43.3	43.3	36.0	43.3	32.4
77.5°	100.7	82.8	64.7	53.9	43.3	39.6	28.7	28.7	25.2	25.2	25.2
80°	72.0	61.2	46.8	39.6	28.7	28.7	25.2	21.6	17.9	17.9	21.6
82.5°	43.3	32.4	32.4	28.7	17.9	14.4	10.8	14.4	7.3	7.3	7.3
85°	25.2	21.6	17.9	10.8	7.3	7.3	3.6	0.0	3.6	3.6	0.0
87.5°	14.4	7.3	7.3	3.6	0.0	3.6	3.6	0.0	0.0	0.0	7.3
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°	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6
2.5°	7414.8	7411.1	7418.4	7418.4	7440.0	7436.3	7447.1	7447.1	7440.0	7443.6	7458.0
5°	7440.0	7450.8	7472.3	7490.4	7522.7	7537.2	7555.1	7573.2	7576.8	7587.6	7598.4
7.5°	7440.0	7476.0	7501.2	7533.5	7576.8	7602.0	7641.5	7674.0	7688.3	7706.3	7727.9
10°	7425.5	7461.5	7508.3	7544.3	7598.4	7638.0	7677.5	7727.9	7749.5	7778.3	7807.2
12.5°	7396.8	7436.3	7486.7	7533.5	7594.7	7630.7	7681.1	7727.9	7760.3	7799.9	7832.3
15°	7353.7	7400.3	7447.1	7494.0	7558.7	7602.0	7648.8	7702.7	7735.2	7778.3	7807.2
17.5°	7285.2	7335.6	7378.8	7422.0	7483.1	7533.5	7576.8	7627.1	7659.6	7695.6	7735.2
20°	7202.4	7249.2	7296.0	7332.0	7393.2	7436.3	7483.1	7530.0	7555.1	7562.4	7623.6
22.5°	7098.1	7130.4	7166.4	7224.0	7260.0	7299.6	7342.8	7386.0	7411.1	7450.8	7472.3
25°	6925.2	6957.6	6997.2	7022.4	7065.6	7098.1	7141.2	7188.0	7202.4	7231.3	7252.8
27.5°	6684.1	6702.1	6720.1	6741.6	6766.8	6784.9	6810.1	6831.7	6846.1	6860.4	6874.8
30°	6302.5	6302.5	6302.5	6288.1	6298.9	6309.8	6313.3	6309.8	6309.8	6306.2	6306.2
32.5°	5798.6	5769.9	5737.4	5708.7	5697.9	5683.5	5676.2	5665.4	5647.5	5636.7	5640.2
35°	5118.3	5053.6	5014.0	4978.0	4949.3	4927.6	4916.8	4906.0	4902.4	4888.1	4873.5
37.5°	4268.9	4222.1	4193.4	4171.7	4146.6	4124.9	4128.5	4132.2	4142.8	4135.7	4139.3
40°	3369.0	3358.2	3369.0	3343.8	3336.6	3343.8	3361.8	3387.1	3401.5	3415.9	3441.0
42.5°	2562.8	2580.7	2606.0	2606.0	2616.7	2631.2	2652.7	2692.4	2713.9	2739.1	2768.0
45°	1929.3	1950.9	1983.3	1994.0	2001.3	2019.2	2044.5	2076.8	2091.2	2112.8	2138.0
47.5°	1486.6	1501.0	1518.9	1537.0	1554.9	1562.1	1587.3	1587.3	1605.4	1619.8	1626.9
50°	1159.0	1173.4	1187.8	1198.6	1205.8	1216.6	1223.8	1234.6	1238.1	1245.4	1248.9
52.5°	907.0	925.1	925.1	932.2	943.0	953.8	950.3	953.8	957.4	957.4	968.2
55°	709.1	709.1	719.9	719.9	727.1	723.4	727.1	727.1	727.1	727.1	730.7
57.5°	529.1	532.8	543.6	536.3	532.8	539.9	532.8	539.9	536.3	543.6	532.8
60°	406.7	406.7	410.4	410.4	413.9	413.9	413.9	410.4	410.4	406.7	406.7
62.5°	305.9	309.5	313.2	309.5	309.5	309.5	305.9	305.9	302.4	298.7	298.7
65°	205.2	201.6	208.7	201.6	205.2	205.2	201.6	205.2	194.4	197.9	194.4
67.5°	147.6	144.0	140.5	144.0	140.5	136.7	136.7	140.5	144.0	133.2	133.2
70°	97.2	100.7	97.2	100.7	104.4	104.4	100.7	97.2	100.7	93.6	97.2
72.5°	61.2	61.2	61.2	61.2	61.2	64.7	64.7	64.7	57.6	57.6	53.9
75°	28.7	39.6	32.4	28.7	39.6	39.6	36.0	36.0	32.4	32.4	32.4
77.5°	28.7	21.6	21.6	21.6	21.6	21.6	21.6	21.6	17.9	21.6	17.9
80°	14.4	14.4	14.4	10.8	14.4	14.4	17.9	14.4	14.4	10.8	17.9
82.5°	7.3	7.3	7.3	0.0	3.6	7.3	7.3	3.6	7.3	7.3	3.6
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: P248890

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6
2.5°	7454.4	7450.8	7454.4	7458.0	7454.4	7450.8	7454.4	7458.0	7443.6	7440.0	7447.1
5°	7612.8	7612.8	7619.9	7623.6	7619.9	7612.8	7612.8	7598.4	7587.6	7576.8	7573.2
7.5°	7749.5	7756.8	7763.9	7767.4	7763.9	7756.8	7749.5	7727.9	7706.3	7688.3	7674.0
10°	7832.3	7843.2	7857.5	7864.6	7857.5	7843.2	7832.3	7807.2	7778.3	7749.5	7727.9
12.5°	7868.3	7879.2	7897.1	7893.5	7897.1	7879.2	7868.3	7832.3	7799.9	7760.3	7727.9
15°	7843.2	7857.5	7875.5	7882.7	7875.5	7857.5	7843.2	7807.2	7778.3	7735.2	7702.7
17.5°	7763.9	7785.5	7796.3	7807.2	7796.3	7785.5	7763.9	7735.2	7695.6	7659.6	7627.1
20°	7655.9	7670.4	7684.8	7688.3	7684.8	7670.4	7655.9	7623.6	7562.4	7555.1	7530.0
22.5°	7501.2	7512.0	7544.3	7533.5	7544.3	7512.0	7501.2	7472.3	7450.8	7411.1	7386.0
25°	7277.9	7288.8	7292.5	7296.0	7292.5	7288.8	7277.9	7252.8	7231.3	7202.4	7188.0
27.5°	6892.9	6892.9	6900.0	6903.7	6900.0	6892.9	6892.9	6874.8	6860.4	6846.1	6831.7
30°	6309.8	6309.8	6309.8	6327.8	6309.8	6309.8	6309.8	6306.2	6306.2	6309.8	6309.8
32.5°	5636.7	5629.4	5622.3	5629.4	5622.3	5629.4	5636.7	5640.2	5636.7	5647.5	5665.4
35°	4873.5	4870.0	4880.8	4866.4	4880.8	4870.0	4873.5	4873.5	4888.1	4902.4	4906.0
37.5°	4142.8	4135.7	4150.1	4135.7	4150.1	4135.7	4142.8	4139.3	4135.7	4142.8	4132.2
40°	3448.3	3455.4	3455.4	3484.3	3455.4	3455.4	3448.3	3441.0	3415.9	3401.5	3387.1
42.5°	2782.3	2804.0	2796.7	2818.3	2796.7	2804.0	2782.3	2768.0	2739.1	2713.9	2692.4
45°	2152.4	2166.9	2166.9	2174.0	2166.9	2166.9	2152.4	2138.0	2112.8	2091.2	2076.8
47.5°	1652.1	1652.1	1652.1	1655.8	1652.1	1652.1	1652.1	1626.9	1619.8	1605.4	1587.3
50°	1256.2	1259.8	1263.5	1267.0	1263.5	1259.8	1256.2	1248.9	1245.4	1238.1	1234.6
52.5°	964.6	968.2	961.1	968.2	961.1	968.2	964.6	968.2	957.4	957.4	953.8
55°	730.7	727.1	730.7	734.3	730.7	727.1	730.7	730.7	727.1	727.1	727.1
57.5°	536.3	529.1	529.1	529.1	529.1	529.1	536.3	532.8	543.6	536.3	539.9
60°	399.6	403.1	403.1	406.7	403.1	403.1	399.6	406.7	406.7	410.4	410.4
62.5°	295.1	305.9	298.7	305.9	298.7	305.9	295.1	298.7	298.7	302.4	305.9
65°	190.8	190.8	190.8	194.4	190.8	190.8	190.8	194.4	197.9	194.4	205.2
67.5°	129.6	133.2	140.5	136.7	140.5	133.2	129.6	133.2	133.2	144.0	140.5
70°	104.4	93.6	93.6	104.4	93.6	93.6	104.4	97.2	93.6	100.7	97.2
72.5°	61.2	53.9	61.2	61.2	61.2	53.9	61.2	53.9	57.6	57.6	64.7
75°	32.4	28.7	25.2	36.0	25.2	28.7	32.4	32.4	32.4	32.4	36.0
77.5°	21.6	17.9	25.2	25.2	25.2	17.9	21.6	17.9	21.6	17.9	21.6
80°	10.8	14.4	10.8	17.9	10.8	14.4	10.8	17.9	10.8	14.4	14.4
82.5°	3.6	7.3	7.3	7.3	7.3	7.3	3.6	3.6	7.3	7.3	3.6
85°	0.0	7.3	3.6	3.6	3.6	7.3	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	0.0	0.0	3.6	0.0	0.0	3.6	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: P248890

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6
2.5°	7447.1	7436.3	7440.0	7418.4	7418.4	7411.1	7414.8	7396.8	7389.7	7382.4	7393.2
5°	7555.1	7537.2	7522.7	7490.4	7472.3	7450.8	7440.0	7411.1	7386.0	7364.3	7360.8
7.5°	7641.5	7602.0	7576.8	7533.5	7501.2	7476.0	7440.0	7400.3	7368.0	7339.1	7317.7
10°	7677.5	7638.0	7598.4	7544.3	7508.3	7461.5	7425.5	7375.1	7332.0	7292.5	7267.1
12.5°	7681.1	7630.7	7594.7	7533.5	7486.7	7436.3	7396.8	7339.1	7288.8	7249.2	7209.6
15°	7648.8	7602.0	7558.7	7494.0	7447.1	7400.3	7353.7	7292.5	7245.6	7198.8	7170.1
17.5°	7576.8	7533.5	7483.1	7422.0	7378.8	7335.6	7285.2	7234.8	7180.8	7130.4	7094.4
20°	7483.1	7436.3	7393.2	7332.0	7296.0	7249.2	7202.4	7148.5	7105.2	7054.8	7015.3
22.5°	7342.8	7299.6	7260.0	7224.0	7166.4	7130.4	7098.1	7036.9	6993.6	6946.8	6903.7
25°	7141.2	7098.1	7065.6	7022.4	6997.2	6957.6	6925.2	6871.3	6831.7	6788.4	6752.4
27.5°	6810.1	6784.9	6766.8	6741.6	6720.1	6702.1	6684.1	6640.9	6612.1	6572.6	6536.6
30°	6313.3	6309.8	6298.9	6288.1	6302.5	6302.5	6302.5	6295.4	6270.2	6241.3	6216.1
32.5°	5676.2	5683.5	5697.9	5708.7	5737.4	5769.9	5798.6	5813.0	5813.0	5795.1	5784.3
35°	4916.8	4927.6	4949.3	4978.0	5014.0	5053.6	5118.3	5132.8	5143.5	5143.5	5129.1
37.5°	4128.5	4124.9	4146.6	4171.7	4193.4	4222.1	4268.9	4279.7	4297.7	4290.6	4276.0
40°	3361.8	3343.8	3336.6	3343.8	3369.0	3358.2	3369.0	3361.8	3361.8	3336.6	3336.6
42.5°	2652.7	2631.2	2616.7	2606.0	2606.0	2580.7	2562.8	2544.9	2534.0	2516.0	2512.4
45°	2044.5	2019.2	2001.3	1994.0	1983.3	1950.9	1929.3	1907.6	1882.5	1875.3	1878.9
47.5°	1587.3	1562.1	1554.9	1537.0	1518.9	1501.0	1486.6	1461.4	1457.7	1443.3	1457.7
50°	1223.8	1216.6	1205.8	1198.6	1187.8	1173.4	1159.0	1144.6	1137.4	1137.4	1140.9
52.5°	950.3	953.8	943.0	932.2	925.1	925.1	907.0	903.4	903.4	889.1	903.4
55°	727.1	723.4	727.1	719.9	719.9	709.1	709.1	698.3	698.3	687.4	694.7
57.5°	532.8	539.9	532.8	536.3	543.6	532.8	529.1	518.2	525.5	518.2	521.9
60°	413.9	413.9	413.9	410.4	410.4	406.7	406.7	403.1	403.1	395.9	403.1
62.5°	305.9	309.5	309.5	309.5	313.2	309.5	305.9	309.5	309.5	305.9	309.5
65°	201.6	205.2	205.2	201.6	208.7	201.6	205.2	208.7	212.3	208.7	212.3
67.5°	136.7	136.7	140.5	144.0	140.5	144.0	147.6	144.0	147.6	154.8	147.6
70°	100.7	104.4	104.4	100.7	97.2	100.7	97.2	108.0	108.0	108.0	115.1
72.5°	64.7	64.7	61.2	61.2	61.2	61.2	61.2	72.0	64.7	61.2	68.4
75°	36.0	39.6	39.6	28.7	32.4	39.6	28.7	32.4	43.3	36.0	43.3
77.5°	21.6	21.6	21.6	21.6	21.6	21.6	28.7	25.2	25.2	25.2	28.7
80°	17.9	14.4	14.4	10.8	14.4	14.4	14.4	21.6	17.9	17.9	21.6
82.5°	7.3	7.3	3.6	0.0	7.3	7.3	7.3	7.3	7.3	7.3	14.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	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: P248890

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6
2.5°	7364.3	7364.3	7360.8	7353.7	7339.1	7339.1	7335.6	7324.8	7317.7	7313.9	7313.9
5°	7328.3	7313.9	7299.6	7260.0	7260.0	7252.8	7231.3	7216.8	7209.6	7191.6	7184.5
7.5°	7296.0	7252.8	7227.6	7202.4	7170.1	7155.6	7130.4	7119.6	7094.4	7076.5	7065.6
10°	7216.8	7188.0	7155.6	7116.0	7090.8	7062.1	7033.2	7011.7	6979.3	6961.2	6946.8
12.5°	7162.8	7119.6	7090.8	7047.6	7004.5	6979.3	6939.7	6914.5	6882.1	6846.1	6824.4
15°	7112.5	7065.6	7026.1	6979.3	6932.4	6903.7	6856.9	6828.1	6781.3	6745.3	6720.1
17.5°	7036.9	6997.2	6954.1	6896.4	6853.3	6817.3	6766.8	6731.0	6687.7	6640.9	6615.7
20°	6957.6	6910.8	6867.7	6810.1	6766.8	6723.7	6673.3	6633.8	6583.2	6540.1	6511.4
22.5°	6853.3	6799.3	6763.3	6705.6	6655.3	6608.6	6561.8	6514.9	6468.1	6432.1	6399.7
25°	6702.1	6644.4	6604.9	6558.1	6511.4	6475.4	6417.8	6389.0	6342.2	6309.8	6277.3
27.5°	6486.1	6442.9	6406.9	6360.1	6320.6	6291.8	6248.6	6219.8	6180.1	6151.4	6126.2
30°	6169.5	6133.5	6101.0	6054.2	6025.4	6000.3	5960.6	5935.4	5906.6	5874.2	5867.1
32.5°	5744.7	5715.8	5683.5	5651.1	5629.4	5615.1	5582.6	5568.2	5539.5	5521.4	5503.5
35°	5103.9	5078.7	5060.8	5046.4	5039.2	5042.7	5035.6	5050.0	5057.1	5053.6	5057.1
37.5°	4265.4	4250.9	4258.1	4268.9	4304.9	4351.7	4394.9	4459.6	4502.9	4546.1	4585.7
40°	3329.5	3340.3	3369.0	3433.8	3527.4	3631.9	3729.1	3851.4	3973.8	4060.2	4139.3
42.5°	2512.4	2544.9	2616.7	2710.3	2850.8	3005.5	3156.7	3336.6	3484.3	3628.2	3729.1
45°	1889.7	1932.8	2026.5	2156.1	2310.8	2490.8	2681.6	2883.1	3059.5	3207.1	3318.7
47.5°	1472.2	1511.8	1605.4	1742.1	1932.8	2120.1	2318.0	2526.8	2710.3	2854.3	2951.5
50°	1162.6	1212.9	1295.8	1439.8	1630.6	1828.5	2033.7	2238.8	2411.7	2534.0	2620.4
52.5°	914.3	961.1	1040.2	1191.5	1385.8	1583.8	1774.4	1976.1	2127.2	2246.0	2303.7
55°	709.1	752.3	835.0	961.1	1144.6	1339.0	1529.7	1702.6	1842.9	1929.3	1983.3
57.5°	539.9	572.3	630.0	755.9	921.5	1101.4	1263.5	1436.2	1544.2	1605.4	1641.3
60°	410.4	435.6	496.8	594.0	745.1	899.9	1036.6	1166.3	1252.6	1303.0	1339.0
62.5°	309.5	338.4	381.5	464.3	579.4	705.5	820.6	917.8	989.8	1022.3	1047.5
65°	212.3	233.9	266.4	331.1	428.3	518.2	608.3	680.3	727.1	763.1	777.5
67.5°	158.4	172.7	190.8	241.2	309.5	381.5	442.7	493.1	543.6	558.0	583.1
70°	118.8	129.6	147.6	183.6	223.1	273.5	324.0	352.8	388.8	413.9	421.2
72.5°	75.6	79.1	97.2	118.8	151.1	183.6	216.0	241.2	262.8	277.2	284.3
75°	43.3	64.7	64.7	86.4	108.0	122.4	144.0	161.9	172.7	183.6	183.6
77.5°	28.7	39.6	43.3	53.9	64.7	82.8	100.7	111.6	122.4	125.9	125.9
80°	25.2	28.7	28.7	39.6	46.8	61.2	72.0	75.6	82.8	86.4	93.6
82.5°	10.8	14.4	17.9	28.7	32.4	32.4	43.3	46.8	53.9	57.6	57.6
85°	3.6	7.3	7.3	10.8	17.9	21.6	25.2	28.7	32.4	32.4	36.0
87.5°	3.6	3.6	0.0	3.6	7.3	7.3	14.4	14.4	14.4	21.6	21.6
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: P248890

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6	7371.6
2.5°	7306.8	7310.4	7296.0	7292.5	7285.2	7288.8	7296.0
5°	7173.6	7177.2	7162.8	7148.5	7148.5	7144.8	7148.5
7.5°	7047.6	7051.3	7029.6	7022.4	7008.0	7011.7	7011.7
10°	6921.6	6921.6	6889.3	6885.6	6874.8	6871.3	6871.3
12.5°	6799.3	6788.4	6763.3	6748.9	6756.1	6734.5	6734.5
15°	6691.3	6673.3	6640.9	6630.1	6612.1	6604.9	6604.9
17.5°	6579.7	6565.3	6536.6	6514.9	6493.3	6489.8	6493.3
20°	6471.7	6457.3	6421.3	6406.9	6389.0	6389.0	6381.8
22.5°	6363.7	6349.3	6317.0	6306.2	6281.0	6281.0	6284.6
25°	6252.1	6241.3	6205.3	6198.2	6194.6	6180.1	6187.4
27.5°	6101.0	6093.7	6065.0	6054.2	6039.8	6036.3	6043.4
30°	5823.8	5813.0	5791.5	5780.7	5755.5	5759.1	5766.2
32.5°	5478.3	5463.9	5435.1	5424.2	5402.8	5395.5	5399.0
35°	5046.4	5035.6	5010.4	5010.4	4988.8	4981.5	4988.8
37.5°	4607.3	4618.0	4607.3	4618.0	4607.3	4603.6	4607.3
40°	4193.4	4232.9	4240.0	4279.7	4265.4	4286.9	4283.3
42.5°	3797.4	3862.1	3887.4	3919.7	3912.6	3927.0	3937.8
45°	3397.8	3451.9	3477.0	3498.7	3502.2	3509.5	3513.0
47.5°	3019.8	3063.1	3066.7	3091.8	3088.3	3088.3	3099.1
50°	2667.2	2696.0	2703.1	2721.2	2706.8	2699.5	2703.1
52.5°	2339.7	2368.4	2361.1	2368.4	2350.5	2343.2	2346.8
55°	2004.8	2019.2	2019.2	2019.2	1997.7	1997.7	1997.7
57.5°	1662.9	1666.6	1659.3	1662.9	1659.3	1637.7	1634.1
60°	1349.8	1349.8	1346.1	1349.8	1339.0	1328.2	1328.2
62.5°	1054.6	1061.8	1076.2	1061.8	1054.6	1061.8	1051.0
65°	788.3	802.7	799.0	806.3	802.7	802.7	795.4
67.5°	594.0	597.5	601.1	604.8	604.8	604.8	604.8
70°	435.6	446.4	442.7	442.7	442.7	442.7	464.3
72.5°	291.6	305.9	302.4	309.5	309.5	316.8	309.5
75°	197.9	212.3	205.2	216.0	212.3	205.2	223.1
77.5°	133.2	140.5	144.0	147.6	144.0	140.5	144.0
80°	93.6	100.7	97.2	100.7	100.7	100.7	104.4
82.5°	57.6	68.4	64.7	68.4	64.7	68.4	68.4
85°	39.6	43.3	36.0	43.3	39.6	39.6	46.8
87.5°	25.2	21.6	21.6	25.2	21.6	25.2	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)