

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: P248735

Luminaire Tested: **LSR8B100D010 EC8B100950 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248735  
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: LSR8B100D010 EC8B100950 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9943.0 lumens  
Efficiency: N/A  
Efficacy: 93.5 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

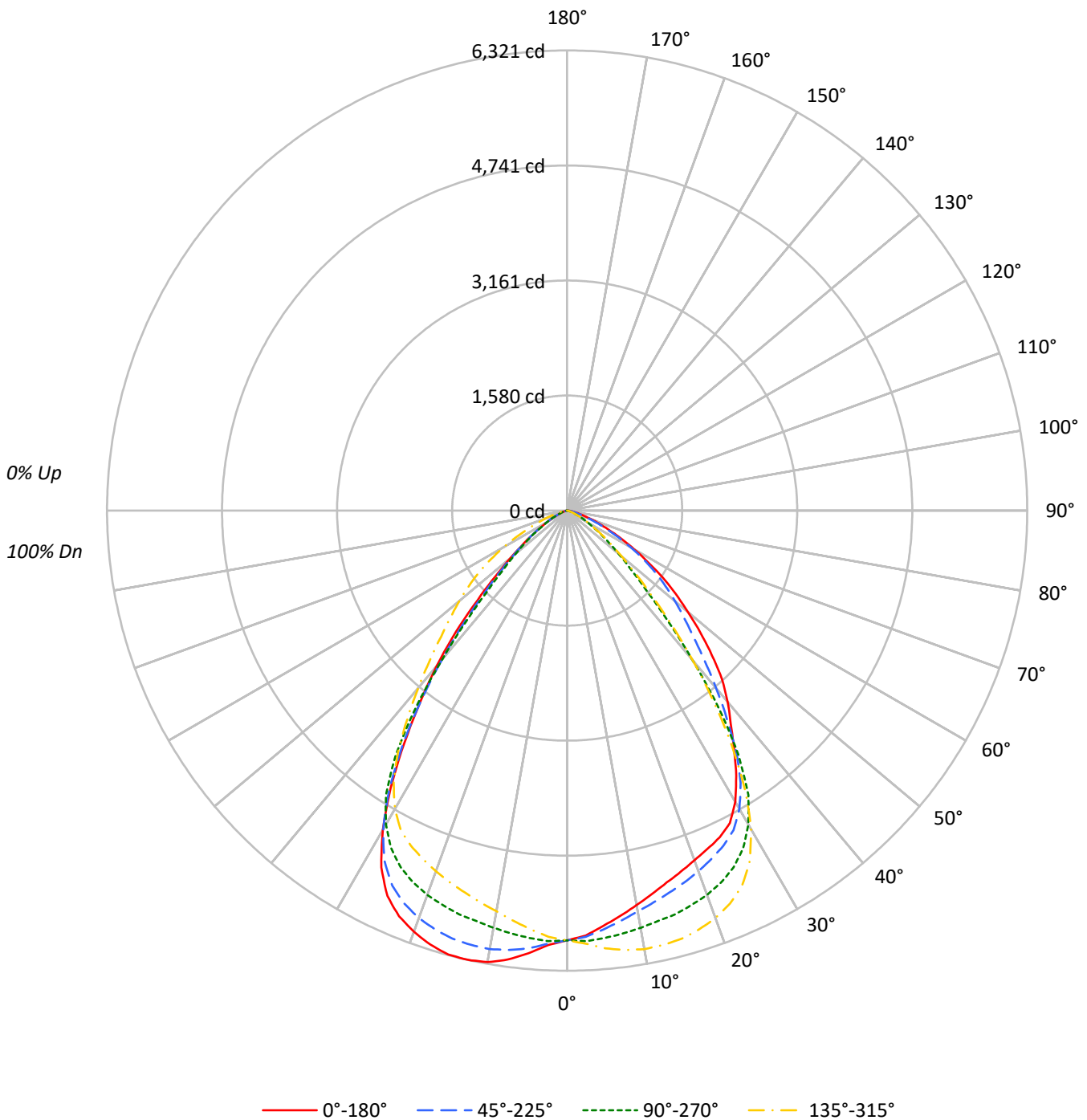
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	182021	182021	182021	182021
5°	177187	182450	188962	182450
10°	172285	182211	197194	182211
15°	168843	183292	201508	183292
20°	167693	184340	202028	184340
25°	168576	183972	198779	183972
30°	164407	177236	180423	177236
35°	150381	154612	146692	154612
40°	138067	107551	112313	107551
45°	122677	65610	75919	65610
50°	103837	43828	48673	43828
55°	86002	29908	31612	29908
60°	65595	19908	20087	19908
65°	46479	12404	11361	12404
70°	33521	8313	7537	8313
75°	21291	4122	3431	4122
80°	14846	3072	2557	3072
85°	13268	0	991	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	561.8	5.7
10°-20°	1627.0	16.4
20°-30°	2463.6	24.8
30°-40°	2469.1	24.8
40°-50°	1550.5	15.6
50°-60°	826.3	8.3
60°-70°	339.8	3.4
70°-80°	89.8	0.9
80°-90°	15.2	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°	4652.4	46.8
0°-40°	7121.5	71.6
0°-60°	9498.3	95.5
0°-90°	9943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5903	5903	5903	5903	5903	
5°	5724	5894	6105	5894	5724	540
15°	5289	5742	6312	5742	5289	1496
25°	4955	5407	5842	5407	4955	2272
35°	3995	4107	3897	4107	3995	2503
45°	2813	1504	1741	1504	2813	2163
55°	1600	556	588	556	1600	1426
65°	637	170	156	170	637	661
75°	179	35	29	35	179	202
85°	38	0	3	0	38	41
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°	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8
2.5°	5842.3	5836.5	5833.7	5839.5	5842.3	5853.8	5851.0	5856.7	5856.7	5859.7	5865.4
5°	5724.2	5721.2	5724.2	5724.2	5735.7	5747.2	5744.3	5753.0	5758.7	5773.2	5778.9
7.5°	5614.7	5614.7	5611.7	5623.2	5629.0	5646.4	5643.4	5657.9	5666.5	5680.9	5701.0
10°	5502.2	5502.2	5505.1	5513.7	5516.7	5542.5	5542.5	5562.7	5574.2	5588.7	5614.7
12.5°	5392.7	5392.7	5410.0	5404.2	5415.7	5435.9	5444.6	5464.7	5482.0	5510.9	5536.9
15°	5288.9	5288.9	5294.7	5309.1	5317.7	5343.7	5358.1	5381.2	5401.4	5430.2	5467.7
17.5°	5199.6	5196.7	5199.6	5216.9	5234.2	5257.2	5268.7	5297.6	5317.7	5355.2	5389.9
20°	5110.2	5116.1	5116.1	5130.4	5141.9	5170.7	5182.3	5214.0	5237.1	5271.6	5312.0
22.5°	5032.4	5029.6	5029.6	5049.7	5058.4	5084.3	5095.8	5124.6	5150.6	5179.4	5216.9
25°	4954.6	4948.8	4960.4	4963.2	4968.9	4997.8	5006.4	5026.6	5052.6	5078.6	5116.1
27.5°	4839.3	4833.6	4836.4	4847.9	4856.6	4879.6	4885.4	4905.6	4925.8	4948.8	4980.6
30°	4617.3	4611.6	4608.8	4628.9	4637.6	4654.8	4663.5	4698.1	4703.8	4729.8	4752.8
32.5°	4323.3	4320.5	4326.3	4343.5	4352.2	4375.3	4386.8	4407.0	4421.3	4435.8	4458.8
35°	3994.8	3989.0	3994.8	4012.1	4012.1	4032.3	4041.0	4049.5	4046.7	4049.5	4043.8
37.5°	3689.3	3686.4	3689.3	3697.9	3689.3	3697.9	3689.3	3672.0	3640.3	3605.7	3571.1
40°	3429.9	3432.7	3415.5	3427.0	3395.2	3389.5	3357.9	3314.6	3251.2	3182.1	3084.1
42.5°	3153.2	3144.6	3133.1	3138.7	3112.9	3092.6	3040.8	2986.1	2905.3	2790.1	2671.8
45°	2813.1	2810.2	2804.4	2801.6	2784.3	2764.1	2720.8	2657.4	2568.1	2449.9	2308.7
47.5°	2481.6	2473.0	2473.0	2475.8	2455.6	2452.8	2418.2	2363.5	2285.6	2170.3	2023.3
50°	2164.5	2161.7	2167.5	2179.0	2164.5	2158.8	2135.8	2098.3	2029.1	1931.2	1792.7
52.5°	1879.2	1876.3	1882.2	1896.5	1890.7	1896.5	1873.5	1844.7	1798.5	1703.4	1582.4
55°	1599.7	1599.7	1599.7	1616.9	1616.9	1616.9	1605.4	1588.2	1544.9	1475.7	1363.4
57.5°	1308.6	1311.4	1328.7	1331.6	1328.7	1334.5	1331.6	1314.2	1285.5	1236.5	1150.1
60°	1063.6	1063.6	1072.2	1080.9	1077.9	1080.9	1080.9	1072.2	1043.4	1003.1	933.9
62.5°	841.6	850.3	844.4	850.3	861.8	850.3	844.4	838.8	818.6	792.6	734.9
65°	637.0	642.8	642.8	645.6	639.8	642.8	631.3	622.6	611.1	582.3	544.8
67.5°	484.3	484.3	484.3	484.3	481.3	478.5	475.6	467.0	446.8	435.3	394.8
70°	371.8	354.5	354.5	354.5	354.5	357.4	348.8	337.3	331.5	311.3	282.5
72.5°	247.8	253.6	247.8	247.8	242.1	245.0	233.5	227.7	222.0	210.5	193.1
75°	178.7	164.3	170.0	173.0	164.3	170.0	158.5	147.0	147.0	138.3	129.7
77.5°	115.3	112.5	115.3	118.2	115.3	112.5	106.7	100.8	100.8	98.0	89.3
80°	83.6	80.7	80.7	80.7	77.8	80.7	75.0	75.0	69.2	66.3	60.5
82.5°	54.8	54.8	51.8	54.8	51.8	54.8	46.1	46.1	46.1	43.2	37.5
85°	37.5	31.7	31.7	34.6	28.8	34.6	31.7	28.8	26.0	26.0	23.0
87.5°	17.3	20.2	17.3	20.2	17.3	17.3	20.2	17.3	17.3	11.5	11.5
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°	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8
2.5°	5874.0	5876.9	5876.9	5888.5	5894.2	5897.0	5897.0	5920.2	5911.5	5917.3	5923.0
5°	5790.5	5807.7	5813.5	5813.5	5845.2	5856.7	5868.2	5894.2	5897.0	5914.4	5934.5
7.5°	5709.7	5729.9	5741.5	5767.4	5787.5	5807.7	5842.3	5859.7	5876.9	5900.0	5925.9
10°	5631.9	5655.0	5678.0	5698.2	5729.9	5755.9	5778.9	5819.2	5839.5	5871.2	5905.7
12.5°	5557.0	5588.7	5608.9	5643.4	5678.0	5701.0	5735.7	5773.2	5804.9	5836.5	5876.9
15°	5490.7	5528.2	5551.2	5588.7	5626.2	5657.9	5695.4	5741.5	5764.5	5802.0	5839.5
17.5°	5418.6	5459.0	5487.9	5522.4	5568.5	5603.1	5634.8	5680.9	5709.7	5750.0	5793.3
20°	5343.7	5384.0	5418.6	5453.2	5499.4	5533.9	5571.4	5617.5	5649.2	5689.5	5724.2
22.5°	5254.4	5291.9	5329.2	5369.6	5415.7	5444.6	5487.9	5528.2	5562.7	5600.2	5634.8
25°	5139.1	5185.2	5214.0	5251.4	5288.9	5320.6	5366.7	5407.1	5435.9	5470.5	5502.2
27.5°	5003.6	5038.2	5061.2	5092.9	5130.4	5159.2	5193.8	5234.2	5263.0	5294.7	5317.7
30°	4773.0	4804.8	4824.9	4847.9	4885.4	4911.4	4940.2	4977.6	4997.8	5020.9	5041.1
32.5°	4470.3	4496.3	4507.8	4525.1	4551.1	4577.0	4600.1	4631.8	4640.4	4654.8	4654.8
35°	4032.3	4038.0	4035.2	4041.0	4052.5	4066.8	4087.0	4107.2	4118.7	4118.7	4110.1
37.5°	3519.2	3484.7	3447.2	3418.4	3409.7	3403.9	3415.5	3424.1	3435.7	3441.4	3427.0
40°	2986.1	2908.2	2824.6	2749.6	2697.8	2674.8	2666.1	2671.8	2671.8	2692.0	2692.0
42.5°	2527.8	2406.6	2282.8	2170.3	2095.3	2037.8	2011.8	2011.8	2014.7	2029.1	2037.8
45°	2147.3	1994.5	1850.4	1726.5	1622.7	1547.7	1513.2	1504.5	1501.7	1507.4	1527.6
47.5°	1856.2	1697.7	1547.7	1395.0	1285.5	1210.6	1178.9	1167.3	1155.8	1167.3	1170.2
50°	1628.5	1464.2	1305.7	1152.9	1037.6	971.3	930.9	913.6	910.8	910.8	916.6
52.5°	1420.9	1268.2	1109.7	954.1	832.9	769.6	732.1	723.4	711.9	723.4	723.4
55°	1224.9	1072.2	916.6	769.6	668.6	602.4	567.8	556.3	550.5	559.1	559.1
57.5°	1011.7	881.9	737.9	605.3	504.4	458.3	432.3	418.0	415.0	420.8	415.0
60°	830.1	720.6	596.6	475.6	397.8	348.8	328.6	322.8	317.0	322.8	322.8
62.5°	657.1	564.9	464.0	371.8	305.5	271.0	247.8	247.8	245.0	245.0	247.8
65°	487.1	415.0	343.0	265.2	213.3	187.3	170.0	170.0	167.2	170.0	167.2
67.5°	354.5	305.5	247.8	193.1	152.8	138.3	126.8	118.2	124.0	118.2	115.3
70°	259.5	219.0	178.7	147.0	118.2	103.8	95.1	92.2	86.5	86.5	86.5
72.5°	173.0	147.0	121.0	95.1	77.8	63.4	60.5	54.8	49.0	51.8	57.7
75°	115.3	98.0	86.5	69.2	51.8	51.8	34.6	34.6	28.8	34.6	26.0
77.5°	80.7	66.3	51.8	43.2	34.6	31.7	23.0	23.0	20.2	20.2	20.2
80°	57.7	49.0	37.5	31.7	23.0	23.0	20.2	17.3	14.4	14.4	17.3
82.5°	34.6	26.0	26.0	23.0	14.4	11.5	8.7	11.5	5.8	5.8	5.8
85°	20.2	17.3	14.4	8.7	5.8	5.8	2.8	0.0	2.8	2.8	0.0
87.5°	11.5	5.8	5.8	2.8	0.0	2.8	2.8	0.0	0.0	0.0	5.8
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°	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8
2.5°	5937.5	5934.5	5940.3	5940.3	5957.7	5954.7	5963.3	5963.3	5957.7	5960.5	5972.0
5°	5957.7	5966.3	5983.5	5998.0	6023.9	6035.5	6049.8	6064.3	6067.2	6075.8	6084.5
7.5°	5957.7	5986.5	6006.7	6032.5	6067.2	6087.3	6119.0	6145.0	6156.5	6170.8	6188.2
10°	5946.0	5974.9	6012.3	6041.2	6084.5	6116.2	6147.8	6188.2	6205.5	6228.5	6251.6
12.5°	5923.0	5954.7	5995.0	6032.5	6081.5	6110.3	6150.7	6188.2	6214.1	6245.8	6271.8
15°	5888.5	5925.9	5963.3	6000.8	6052.7	6087.3	6124.8	6168.0	6194.0	6228.5	6251.6
17.5°	5833.7	5874.0	5908.7	5943.2	5992.2	6032.5	6067.2	6107.5	6133.5	6162.3	6194.0
20°	5767.4	5804.9	5842.3	5871.2	5920.2	5954.7	5992.2	6029.7	6049.8	6055.6	6104.6
22.5°	5683.8	5709.7	5738.5	5784.7	5813.5	5845.2	5879.8	5914.4	5934.5	5966.3	5983.5
25°	5545.4	5571.4	5603.1	5623.2	5657.9	5683.8	5718.4	5755.9	5767.4	5790.5	5807.7
27.5°	5352.4	5366.7	5381.2	5398.4	5418.6	5433.0	5453.2	5470.5	5482.0	5493.6	5505.1
30°	5046.8	5046.8	5046.8	5035.3	5043.9	5052.6	5055.4	5052.6	5052.6	5049.7	5049.7
32.5°	4643.3	4620.3	4594.3	4571.3	4562.6	4551.1	4545.3	4536.6	4522.3	4513.6	4516.5
35°	4098.5	4046.7	4015.0	3986.2	3963.1	3945.8	3937.2	3928.5	3925.7	3914.2	3902.5
37.5°	3418.4	3380.9	3357.9	3340.5	3320.4	3303.1	3305.9	3308.9	3317.4	3311.7	3314.6
40°	2697.8	2689.1	2697.8	2677.6	2671.8	2677.6	2692.0	2712.3	2723.8	2735.3	2755.4
42.5°	2052.2	2066.5	2086.8	2086.8	2095.3	2107.0	2124.2	2156.0	2173.2	2193.3	2216.5
45°	1544.9	1562.2	1588.2	1596.7	1602.5	1616.9	1637.2	1663.0	1674.5	1691.9	1712.0
47.5°	1190.4	1201.9	1216.3	1230.7	1245.1	1250.9	1271.1	1271.1	1285.5	1297.0	1302.7
50°	928.1	939.6	951.1	959.8	965.6	974.2	979.9	988.6	991.4	997.3	1000.1
52.5°	726.3	740.8	740.8	746.5	755.1	763.8	760.9	763.8	766.6	766.6	775.3
55°	567.8	567.8	576.5	576.5	582.3	579.3	582.3	582.3	582.3	582.3	585.1
57.5°	423.6	426.6	435.3	429.5	426.6	432.3	426.6	432.3	429.5	435.3	426.6
60°	325.7	325.7	328.6	328.6	331.5	331.5	331.5	328.6	328.6	325.7	325.7
62.5°	245.0	247.8	250.8	247.8	247.8	247.8	245.0	245.0	242.1	239.2	239.2
65°	164.3	161.5	167.2	161.5	164.3	164.3	161.5	164.3	155.7	158.5	155.7
67.5°	118.2	115.3	112.5	115.3	112.5	109.5	109.5	112.5	115.3	106.7	106.7
70°	77.8	80.7	77.8	80.7	83.6	83.6	80.7	77.8	80.7	75.0	77.8
72.5°	49.0	49.0	49.0	49.0	49.0	51.8	51.8	51.8	46.1	46.1	43.2
75°	23.0	31.7	26.0	23.0	31.7	31.7	28.8	28.8	26.0	26.0	26.0
77.5°	23.0	17.3	17.3	17.3	17.3	17.3	17.3	17.3	14.4	17.3	14.4
80°	11.5	11.5	11.5	8.7	11.5	11.5	14.4	11.5	11.5	8.7	14.4
82.5°	5.8	5.8	5.8	0.0	2.8	5.8	5.8	2.8	5.8	5.8	2.8
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: P248735

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8
2.5°	5969.2	5966.3	5969.2	5972.0	5969.2	5966.3	5969.2	5972.0	5960.5	5957.7	5963.3
5°	6096.0	6096.0	6101.7	6104.6	6101.7	6096.0	6096.0	6084.5	6075.8	6067.2	6064.3
7.5°	6205.5	6211.3	6217.0	6219.8	6217.0	6211.3	6205.5	6188.2	6170.8	6156.5	6145.0
10°	6271.8	6280.5	6292.0	6297.7	6292.0	6280.5	6271.8	6251.6	6228.5	6205.5	6188.2
12.5°	6300.6	6309.3	6323.6	6320.8	6323.6	6309.3	6300.6	6271.8	6245.8	6214.1	6188.2
15°	6280.5	6292.0	6306.3	6312.1	6306.3	6292.0	6280.5	6251.6	6228.5	6194.0	6168.0
17.5°	6217.0	6234.3	6243.0	6251.6	6243.0	6234.3	6217.0	6194.0	6162.3	6133.5	6107.5
20°	6130.5	6142.1	6153.6	6156.5	6153.6	6142.1	6130.5	6104.6	6055.6	6049.8	6029.7
22.5°	6006.7	6015.3	6041.2	6032.5	6041.2	6015.3	6006.7	5983.5	5966.3	5934.5	5914.4
25°	5827.9	5836.5	5839.5	5842.3	5839.5	5836.5	5827.9	5807.7	5790.5	5767.4	5755.9
27.5°	5519.5	5519.5	5525.2	5528.2	5525.2	5519.5	5519.5	5505.1	5493.6	5482.0	5470.5
30°	5052.6	5052.6	5052.6	5067.1	5052.6	5052.6	5052.6	5049.7	5049.7	5052.6	5052.6
32.5°	4513.6	4507.8	4502.1	4507.8	4502.1	4507.8	4513.6	4516.5	4513.6	4522.3	4536.6
35°	3902.5	3899.7	3908.3	3896.8	3908.3	3899.7	3902.5	3902.5	3914.2	3925.7	3928.5
37.5°	3317.4	3311.7	3323.2	3311.7	3323.2	3311.7	3317.4	3314.6	3311.7	3317.4	3308.9
40°	2761.2	2766.9	2766.9	2790.1	2766.9	2766.9	2761.2	2755.4	2735.3	2723.8	2712.3
42.5°	2228.0	2245.3	2239.5	2256.8	2239.5	2245.3	2228.0	2216.5	2193.3	2173.2	2156.0
45°	1723.5	1735.2	1735.2	1740.9	1735.2	1735.2	1723.5	1712.0	1691.9	1674.5	1663.0
47.5°	1322.9	1322.9	1322.9	1325.9	1322.9	1322.9	1322.9	1302.7	1297.0	1285.5	1271.1
50°	1005.9	1008.8	1011.7	1014.6	1011.7	1008.8	1005.9	1000.1	997.3	991.4	988.6
52.5°	772.4	775.3	769.6	775.3	769.6	775.3	772.4	775.3	766.6	766.6	763.8
55°	585.1	582.3	585.1	588.0	585.1	582.3	585.1	585.1	582.3	582.3	582.3
57.5°	429.5	423.6	423.6	423.6	423.6	423.6	429.5	426.6	435.3	429.5	432.3
60°	320.0	322.8	322.8	325.7	322.8	322.8	320.0	325.7	325.7	328.6	328.6
62.5°	236.3	245.0	239.2	245.0	239.2	245.0	236.3	239.2	239.2	242.1	245.0
65°	152.8	152.8	152.8	155.7	152.8	152.8	152.8	155.7	158.5	155.7	164.3
67.5°	103.8	106.7	112.5	109.5	112.5	106.7	103.8	106.7	106.7	115.3	112.5
70°	83.6	75.0	75.0	83.6	75.0	75.0	83.6	77.8	75.0	80.7	77.8
72.5°	49.0	43.2	49.0	49.0	49.0	43.2	49.0	43.2	46.1	46.1	51.8
75°	26.0	23.0	20.2	28.8	20.2	23.0	26.0	26.0	26.0	26.0	28.8
77.5°	17.3	14.4	20.2	20.2	20.2	14.4	17.3	14.4	17.3	14.4	17.3
80°	8.7	11.5	8.7	14.4	8.7	11.5	8.7	14.4	8.7	11.5	11.5
82.5°	2.8	5.8	5.8	5.8	5.8	5.8	2.8	2.8	5.8	5.8	2.8
85°	0.0	5.8	2.8	2.8	2.8	5.8	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.0	0.0	2.8	0.0	0.0	2.8	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: P248735

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8
2.5°	5963.3	5954.7	5957.7	5940.3	5940.3	5934.5	5937.5	5923.0	5917.3	5911.5	5920.2
5°	6049.8	6035.5	6023.9	5998.0	5983.5	5966.3	5957.7	5934.5	5914.4	5897.0	5894.2
7.5°	6119.0	6087.3	6067.2	6032.5	6006.7	5986.5	5957.7	5925.9	5900.0	5876.9	5859.7
10°	6147.8	6116.2	6084.5	6041.2	6012.3	5974.9	5946.0	5905.7	5871.2	5839.5	5819.2
12.5°	6150.7	6110.3	6081.5	6032.5	5995.0	5954.7	5923.0	5876.9	5836.5	5804.9	5773.2
15°	6124.8	6087.3	6052.7	6000.8	5963.3	5925.9	5888.5	5839.5	5802.0	5764.5	5741.5
17.5°	6067.2	6032.5	5992.2	5943.2	5908.7	5874.0	5833.7	5793.3	5750.0	5709.7	5680.9
20°	5992.2	5954.7	5920.2	5871.2	5842.3	5804.9	5767.4	5724.2	5689.5	5649.2	5617.5
22.5°	5879.8	5845.2	5813.5	5784.7	5738.5	5709.7	5683.8	5634.8	5600.2	5562.7	5528.2
25°	5718.4	5683.8	5657.9	5623.2	5603.1	5571.4	5545.4	5502.2	5470.5	5435.9	5407.1
27.5°	5453.2	5433.0	5418.6	5398.4	5381.2	5366.7	5352.4	5317.7	5294.7	5263.0	5234.2
30°	5055.4	5052.6	5043.9	5035.3	5046.8	5046.8	5046.8	5041.1	5020.9	4997.8	4977.6
32.5°	4545.3	4551.1	4562.6	4571.3	4594.3	4620.3	4643.3	4654.8	4654.8	4640.4	4631.8
35°	3937.2	3945.8	3963.1	3986.2	4015.0	4046.7	4098.5	4110.1	4118.7	4118.7	4107.2
37.5°	3305.9	3303.1	3320.4	3340.5	3357.9	3380.9	3418.4	3427.0	3441.4	3435.7	3424.1
40°	2692.0	2677.6	2671.8	2677.6	2697.8	2689.1	2697.8	2692.0	2692.0	2671.8	2671.8
42.5°	2124.2	2107.0	2095.3	2086.8	2086.8	2066.5	2052.2	2037.8	2029.1	2014.7	2011.8
45°	1637.2	1616.9	1602.5	1596.7	1588.2	1562.2	1544.9	1527.6	1507.4	1501.7	1504.5
47.5°	1271.1	1250.9	1245.1	1230.7	1216.3	1201.9	1190.4	1170.2	1167.3	1155.8	1167.3
50°	979.9	974.2	965.6	959.8	951.1	939.6	928.1	916.6	910.8	910.8	913.6
52.5°	760.9	763.8	755.1	746.5	740.8	740.8	726.3	723.4	723.4	711.9	723.4
55°	582.3	579.3	582.3	576.5	576.5	567.8	567.8	559.1	559.1	550.5	556.3
57.5°	426.6	432.3	426.6	429.5	435.3	426.6	423.6	415.0	420.8	415.0	418.0
60°	331.5	331.5	331.5	328.6	328.6	325.7	325.7	322.8	322.8	317.0	322.8
62.5°	245.0	247.8	247.8	247.8	250.8	247.8	245.0	247.8	245.0	245.0	247.8
65°	161.5	164.3	164.3	161.5	167.2	161.5	164.3	167.2	170.0	167.2	170.0
67.5°	109.5	109.5	112.5	115.3	112.5	115.3	118.2	115.3	118.2	124.0	118.2
70°	80.7	83.6	83.6	80.7	77.8	80.7	77.8	86.5	86.5	86.5	92.2
72.5°	51.8	51.8	49.0	49.0	49.0	49.0	49.0	57.7	51.8	49.0	54.8
75°	28.8	31.7	31.7	23.0	26.0	31.7	23.0	26.0	34.6	28.8	34.6
77.5°	17.3	17.3	17.3	17.3	17.3	17.3	23.0	20.2	20.2	20.2	23.0
80°	14.4	11.5	11.5	8.7	11.5	11.5	11.5	17.3	14.4	14.4	17.3
82.5°	5.8	5.8	2.8	0.0	5.8	5.8	5.8	5.8	5.8	5.8	11.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	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: P248735

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8
2.5°	5897.0	5897.0	5894.2	5888.5	5876.9	5876.9	5874.0	5865.4	5859.7	5856.7	5856.7
5°	5868.2	5856.7	5845.2	5813.5	5813.5	5807.7	5790.5	5778.9	5773.2	5758.7	5753.0
7.5°	5842.3	5807.7	5787.5	5767.4	5741.5	5729.9	5709.7	5701.0	5680.9	5666.5	5657.9
10°	5778.9	5755.9	5729.9	5698.2	5678.0	5655.0	5631.9	5614.7	5588.7	5574.2	5562.7
12.5°	5735.7	5701.0	5678.0	5643.4	5608.9	5588.7	5557.0	5536.9	5510.9	5482.0	5464.7
15°	5695.4	5657.9	5626.2	5588.7	5551.2	5528.2	5490.7	5467.7	5430.2	5401.4	5381.2
17.5°	5634.8	5603.1	5568.5	5522.4	5487.9	5459.0	5418.6	5389.9	5355.2	5317.7	5297.6
20°	5571.4	5533.9	5499.4	5453.2	5418.6	5384.0	5343.7	5312.0	5271.6	5237.1	5214.0
22.5°	5487.9	5444.6	5415.7	5369.6	5329.2	5291.9	5254.4	5216.9	5179.4	5150.6	5124.6
25°	5366.7	5320.6	5288.9	5251.4	5214.0	5185.2	5139.1	5116.1	5078.6	5052.6	5026.6
27.5°	5193.8	5159.2	5130.4	5092.9	5061.2	5038.2	5003.6	4980.6	4948.8	4925.8	4905.6
30°	4940.2	4911.4	4885.4	4847.9	4824.9	4804.8	4773.0	4752.8	4729.8	4703.8	4698.1
32.5°	4600.1	4577.0	4551.1	4525.1	4507.8	4496.3	4470.3	4458.8	4435.8	4421.3	4407.0
35°	4087.0	4066.8	4052.5	4041.0	4035.2	4038.0	4032.3	4043.8	4049.5	4046.7	4049.5
37.5°	3415.5	3403.9	3409.7	3418.4	3447.2	3484.7	3519.2	3571.1	3605.7	3640.3	3672.0
40°	2666.1	2674.8	2697.8	2749.6	2824.6	2908.2	2986.1	3084.1	3182.1	3251.2	3314.6
42.5°	2011.8	2037.8	2095.3	2170.3	2282.8	2406.6	2527.8	2671.8	2790.1	2905.3	2986.1
45°	1513.2	1547.7	1622.7	1726.5	1850.4	1994.5	2147.3	2308.7	2449.9	2568.1	2657.4
47.5°	1178.9	1210.6	1285.5	1395.0	1547.7	1697.7	1856.2	2023.3	2170.3	2285.6	2363.5
50°	930.9	971.3	1037.6	1152.9	1305.7	1464.2	1628.5	1792.7	1931.2	2029.1	2098.3
52.5°	732.1	769.6	832.9	954.1	1109.7	1268.2	1420.9	1582.4	1703.4	1798.5	1844.7
55°	567.8	602.4	668.6	769.6	916.6	1072.2	1224.9	1363.4	1475.7	1544.9	1588.2
57.5°	432.3	458.3	504.4	605.3	737.9	881.9	1011.7	1150.1	1236.5	1285.5	1314.2
60°	328.6	348.8	397.8	475.6	596.6	720.6	830.1	933.9	1003.1	1043.4	1072.2
62.5°	247.8	271.0	305.5	371.8	464.0	564.9	657.1	734.9	792.6	818.6	838.8
65°	170.0	187.3	213.3	265.2	343.0	415.0	487.1	544.8	582.3	611.1	622.6
67.5°	126.8	138.3	152.8	193.1	247.8	305.5	354.5	394.8	435.3	446.8	467.0
70°	95.1	103.8	118.2	147.0	178.7	219.0	259.5	282.5	311.3	331.5	337.3
72.5°	60.5	63.4	77.8	95.1	121.0	147.0	173.0	193.1	210.5	222.0	227.7
75°	34.6	51.8	51.8	69.2	86.5	98.0	115.3	129.7	138.3	147.0	147.0
77.5°	23.0	31.7	34.6	43.2	51.8	66.3	80.7	89.3	98.0	100.8	100.8
80°	20.2	23.0	23.0	31.7	37.5	49.0	57.7	60.5	66.3	69.2	75.0
82.5°	8.7	11.5	14.4	23.0	26.0	26.0	34.6	37.5	43.2	46.1	46.1
85°	2.8	5.8	5.8	8.7	14.4	17.3	20.2	23.0	26.0	26.0	28.8
87.5°	2.8	2.8	0.0	2.8	5.8	5.8	11.5	11.5	11.5	17.3	17.3
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: P248735

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8	5902.8
2.5°	5851.0	5853.8	5842.3	5839.5	5833.7	5836.5	5842.3
5°	5744.3	5747.2	5735.7	5724.2	5724.2	5721.2	5724.2
7.5°	5643.4	5646.4	5629.0	5623.2	5611.7	5614.7	5614.7
10°	5542.5	5542.5	5516.7	5513.7	5505.1	5502.2	5502.2
12.5°	5444.6	5435.9	5415.7	5404.2	5410.0	5392.7	5392.7
15°	5358.1	5343.7	5317.7	5309.1	5294.7	5288.9	5288.9
17.5°	5268.7	5257.2	5234.2	5216.9	5199.6	5196.7	5199.6
20°	5182.3	5170.7	5141.9	5130.4	5116.1	5116.1	5110.2
22.5°	5095.8	5084.3	5058.4	5049.7	5029.6	5029.6	5032.4
25°	5006.4	4997.8	4968.9	4963.2	4960.4	4948.8	4954.6
27.5°	4885.4	4879.6	4856.6	4847.9	4836.4	4833.6	4839.3
30°	4663.5	4654.8	4637.6	4628.9	4608.8	4611.6	4617.3
32.5°	4386.8	4375.3	4352.2	4343.5	4326.3	4320.5	4323.3
35°	4041.0	4032.3	4012.1	4012.1	3994.8	3989.0	3994.8
37.5°	3689.3	3697.9	3689.3	3697.9	3689.3	3686.4	3689.3
40°	3357.9	3389.5	3395.2	3427.0	3415.5	3432.7	3429.9
42.5°	3040.8	3092.6	3112.9	3138.7	3133.1	3144.6	3153.2
45°	2720.8	2764.1	2784.3	2801.6	2804.4	2810.2	2813.1
47.5°	2418.2	2452.8	2455.6	2475.8	2473.0	2473.0	2481.6
50°	2135.8	2158.8	2164.5	2179.0	2167.5	2161.7	2164.5
52.5°	1873.5	1896.5	1890.7	1896.5	1882.2	1876.3	1879.2
55°	1605.4	1616.9	1616.9	1616.9	1599.7	1599.7	1599.7
57.5°	1331.6	1334.5	1328.7	1331.6	1328.7	1311.4	1308.6
60°	1080.9	1080.9	1077.9	1080.9	1072.2	1063.6	1063.6
62.5°	844.4	850.3	861.8	850.3	844.4	850.3	841.6
65°	631.3	642.8	639.8	645.6	642.8	642.8	637.0
67.5°	475.6	478.5	481.3	484.3	484.3	484.3	484.3
70°	348.8	357.4	354.5	354.5	354.5	354.5	371.8
72.5°	233.5	245.0	242.1	247.8	247.8	253.6	247.8
75°	158.5	170.0	164.3	173.0	170.0	164.3	178.7
77.5°	106.7	112.5	115.3	118.2	115.3	112.5	115.3
80°	75.0	80.7	77.8	80.7	80.7	80.7	83.6
82.5°	46.1	54.8	51.8	54.8	51.8	54.8	54.8
85°	31.7	34.6	28.8	34.6	31.7	31.7	37.5
87.5°	20.2	17.3	17.3	20.2	17.3	20.2	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)