

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: P248744

Luminaire Tested: **LSR8B100D010 EC8B100927 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248744  
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 EC8B100927 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8446.5 lumens  
Efficiency: N/A  
Efficacy: 79.5 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

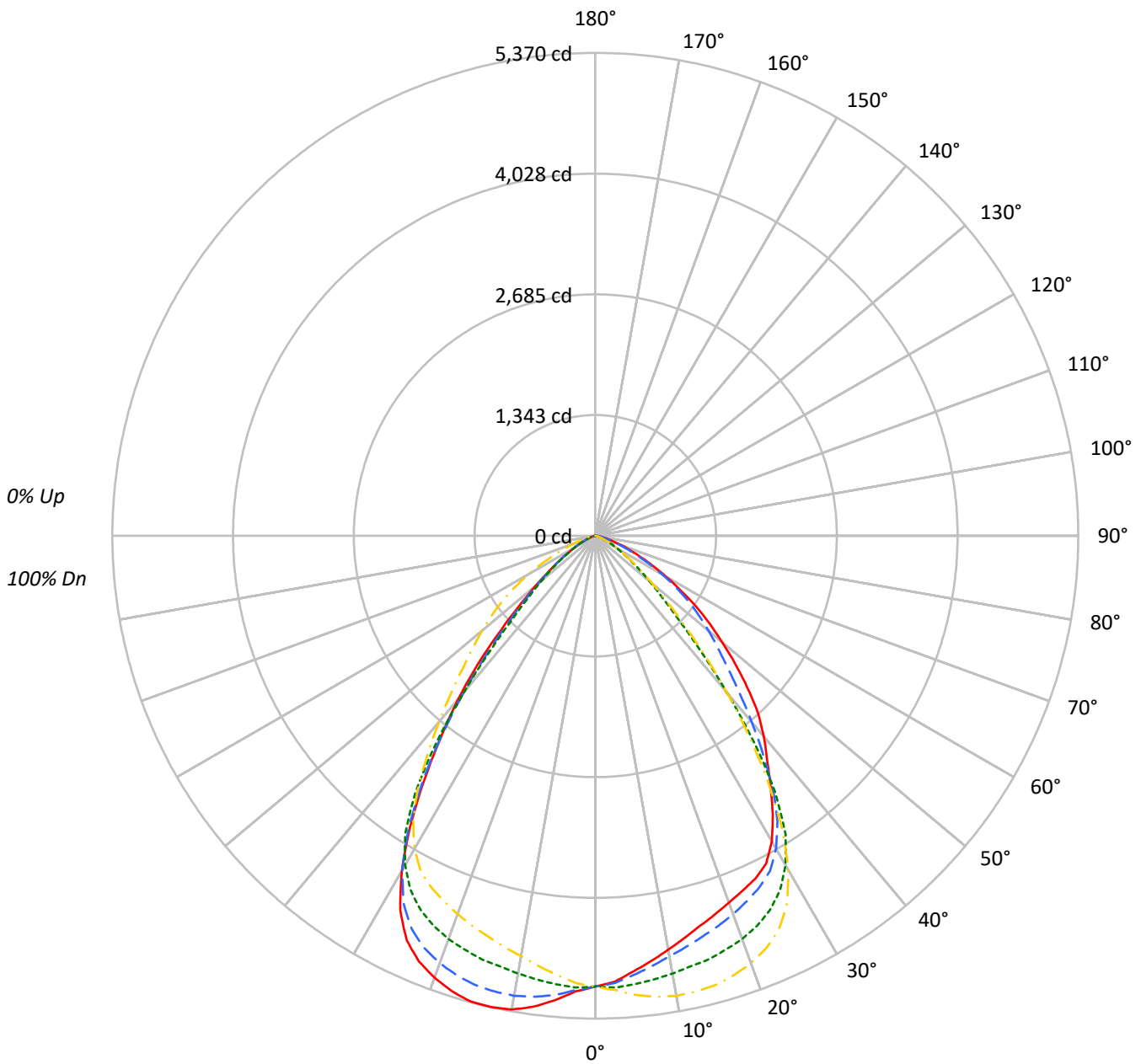
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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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°	477.3	5.7
10°-20°	1382.1	16.4
20°-30°	2092.8	24.8
30°-40°	2097.5	24.8
40°-50°	1317.1	15.6
50°-60°	701.9	8.3
60°-70°	288.6	3.4
70°-80°	76.2	0.9
80°-90°	12.9	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3952.2	46.8
0°-40°	6049.7	71.6
0°-60°	8068.7	95.5
0°-90°	8446.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8446.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5014	5014	5014	5014	5014	
5°	4863	5007	5186	5007	4863	459
15°	4493	4877	5362	4877	4493	1271
25°	4209	4593	4963	4593	4209	1930
35°	3394	3489	3310	3489	3394	2126
45°	2390	1278	1479	1278	2390	1838
55°	1359	473	500	473	1359	1212
65°	541	144	132	144	541	561
75°	152	30	24	30	152	172
85°	32	0	2	0	32	35
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°	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5
2.5°	4963.0	4958.1	4955.6	4960.6	4963.0	4972.8	4970.4	4975.2	4975.2	4977.8	4982.6
5°	4862.7	4860.1	4862.7	4862.7	4872.4	4882.2	4879.8	4887.1	4892.0	4904.2	4909.0
7.5°	4769.7	4769.7	4767.1	4776.9	4781.8	4796.6	4794.0	4806.3	4813.7	4825.9	4843.0
10°	4674.0	4674.0	4676.5	4683.8	4686.4	4708.3	4708.3	4725.4	4735.2	4747.5	4769.7
12.5°	4581.1	4581.1	4595.7	4590.8	4600.6	4617.8	4625.1	4642.2	4656.9	4681.5	4703.5
15°	4492.9	4492.9	4497.9	4510.0	4517.3	4539.5	4551.6	4571.3	4588.4	4613.0	4644.8
17.5°	4417.0	4414.6	4417.0	4431.7	4446.4	4466.0	4475.7	4500.2	4517.3	4549.2	4578.6
20°	4341.2	4346.1	4346.1	4358.2	4368.0	4392.4	4402.2	4429.2	4448.8	4478.2	4512.5
22.5°	4275.0	4272.5	4272.5	4289.7	4297.0	4319.0	4328.8	4353.3	4375.3	4399.9	4431.7
25°	4208.8	4203.9	4213.8	4216.3	4221.1	4245.5	4253.0	4270.0	4292.1	4314.2	4346.1
27.5°	4111.0	4106.1	4108.5	4118.3	4125.6	4145.2	4150.1	4167.2	4184.4	4203.9	4230.9
30°	3922.3	3917.5	3915.1	3932.2	3939.6	3954.3	3961.6	3991.0	3995.9	4017.9	4037.5
32.5°	3672.7	3670.2	3675.2	3689.8	3697.1	3716.8	3726.6	3743.7	3755.9	3768.2	3787.8
35°	3393.6	3388.6	3393.6	3408.3	3408.3	3425.4	3432.8	3440.0	3437.7	3440.0	3435.2
37.5°	3134.0	3131.5	3134.0	3141.3	3134.0	3141.3	3134.0	3119.4	3092.4	3063.0	3033.6
40°	2913.6	2916.1	2901.5	2911.3	2884.3	2879.4	2852.4	2815.6	2761.9	2703.2	2619.9
42.5°	2678.6	2671.3	2661.5	2666.4	2644.4	2627.1	2583.1	2536.6	2468.0	2370.2	2269.7
45°	2389.7	2387.2	2382.3	2379.9	2365.2	2348.1	2311.3	2257.4	2181.6	2081.2	1961.2
47.5°	2108.1	2100.7	2100.7	2103.2	2086.1	2083.6	2054.2	2007.8	1941.6	1843.6	1718.8
50°	1838.7	1836.3	1841.3	1851.1	1838.7	1833.9	1814.4	1782.4	1723.7	1640.5	1522.9
52.5°	1596.4	1593.9	1598.9	1611.1	1606.2	1611.1	1591.5	1567.0	1527.9	1447.0	1344.3
55°	1358.9	1358.9	1358.9	1373.5	1373.5	1373.5	1363.7	1349.1	1312.3	1253.6	1158.2
57.5°	1111.6	1114.0	1128.7	1131.2	1128.7	1133.7	1131.2	1116.4	1092.0	1050.4	977.0
60°	903.5	903.5	910.8	918.2	915.6	918.2	918.2	910.8	886.4	852.1	793.4
62.5°	714.9	722.2	717.3	722.2	732.0	722.2	717.3	712.5	695.4	673.3	624.4
65°	541.1	546.1	546.1	548.4	543.5	546.1	536.3	528.9	519.1	494.7	462.8
67.5°	411.4	411.4	411.4	411.4	408.8	406.5	404.0	396.7	379.6	369.8	335.4
70°	315.9	301.2	301.2	301.2	301.2	303.6	296.3	286.5	281.6	264.5	240.0
72.5°	210.5	215.4	210.5	210.5	205.6	208.1	198.3	193.4	188.5	178.8	164.0
75°	151.8	139.6	144.5	146.9	139.6	144.5	134.7	124.9	124.9	117.6	110.1
77.5°	98.0	95.5	98.0	100.4	98.0	95.5	90.6	85.6	85.6	83.2	75.9
80°	71.1	68.5	68.5	68.5	66.1	68.5	63.7	63.7	58.7	56.4	51.4
82.5°	46.6	46.6	44.0	46.6	44.0	46.6	39.2	39.2	39.2	36.7	31.8
85°	31.8	26.9	26.9	29.5	24.5	29.5	26.9	24.5	22.0	22.0	19.6
87.5°	14.7	17.1	14.7	17.1	14.7	14.7	17.1	14.7	14.7	9.8	9.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5
2.5°	4989.9	4992.3	4992.3	5002.2	5007.0	5009.5	5009.5	5029.1	5021.8	5026.7	5031.6
5°	4919.0	4933.6	4938.5	4938.5	4965.4	4975.2	4985.0	5007.0	5009.5	5024.2	5041.3
7.5°	4850.3	4867.5	4877.3	4899.4	4916.5	4933.6	4963.0	4977.8	4992.3	5012.0	5033.9
10°	4784.3	4803.9	4823.4	4840.5	4867.5	4889.6	4909.0	4943.4	4960.6	4987.5	5016.8
12.5°	4720.6	4747.5	4764.7	4794.0	4823.4	4843.0	4872.4	4904.2	4931.2	4958.1	4992.3
15°	4664.4	4696.2	4715.7	4747.5	4779.4	4806.3	4838.2	4877.3	4896.9	4928.7	4960.6
17.5°	4603.0	4637.4	4661.9	4691.2	4730.4	4759.8	4786.8	4825.9	4850.3	4884.6	4921.4
20°	4539.5	4573.7	4603.0	4632.4	4671.7	4701.0	4732.9	4772.0	4798.9	4833.2	4862.7
22.5°	4463.6	4495.4	4527.1	4561.4	4600.6	4625.1	4661.9	4696.2	4725.4	4757.3	4786.8
25°	4365.6	4404.8	4429.2	4461.1	4492.9	4519.8	4559.0	4593.3	4617.8	4647.2	4674.0
27.5°	4250.5	4280.0	4299.5	4326.4	4358.2	4382.8	4412.0	4446.4	4470.9	4497.9	4517.3
30°	4054.6	4081.6	4098.7	4118.3	4150.1	4172.2	4196.7	4228.4	4245.5	4265.2	4282.3
32.5°	3797.6	3819.6	3829.4	3844.0	3866.2	3888.1	3907.8	3934.7	3942.0	3954.3	3954.3
35°	3425.4	3430.2	3427.9	3432.8	3442.5	3454.8	3471.9	3489.0	3498.8	3498.8	3491.6
37.5°	2989.6	2960.2	2928.4	2903.8	2896.5	2891.6	2901.5	2908.7	2918.6	2923.4	2911.3
40°	2536.6	2470.5	2399.5	2335.8	2291.7	2272.2	2264.8	2269.7	2269.7	2286.8	2286.8
42.5°	2147.3	2044.5	1939.2	1843.6	1780.0	1731.2	1709.0	1709.0	1711.5	1723.7	1731.2
45°	1824.1	1694.4	1571.9	1466.7	1378.5	1314.8	1285.4	1278.1	1275.6	1280.5	1297.7
47.5°	1576.8	1442.1	1314.8	1185.1	1092.0	1028.4	1001.5	991.6	981.8	991.6	994.0
50°	1383.4	1243.8	1109.1	979.4	881.4	825.1	790.9	776.1	773.7	773.7	778.6
52.5°	1207.0	1077.3	942.8	810.4	707.6	653.7	621.9	614.6	604.8	614.6	614.6
55°	1040.5	910.8	778.6	653.7	568.0	511.8	482.3	472.6	467.7	475.0	475.0
57.5°	859.5	749.2	626.8	514.1	428.5	389.4	367.2	355.0	352.6	357.4	352.6
60°	705.2	612.1	506.8	404.0	338.0	296.3	279.1	274.3	269.3	274.3	274.3
62.5°	558.2	479.9	394.2	315.9	259.5	230.2	210.5	210.5	208.1	208.1	210.5
65°	413.8	352.6	291.4	225.2	181.2	159.2	144.5	144.5	142.0	144.5	142.0
67.5°	301.2	259.5	210.5	164.0	129.8	117.6	107.8	100.4	105.3	100.4	98.0
70°	220.4	186.1	151.8	124.9	100.4	88.2	80.8	78.3	73.5	73.5	73.5
72.5°	146.9	124.9	102.8	80.8	66.1	53.8	51.4	46.6	41.6	44.0	48.9
75°	98.0	83.2	73.5	58.7	44.0	44.0	29.5	29.5	24.5	29.5	22.0
77.5°	68.5	56.4	44.0	36.7	29.5	26.9	19.6	19.6	17.1	17.1	17.1
80°	48.9	41.6	31.8	26.9	19.6	19.6	17.1	14.7	12.2	12.2	14.7
82.5°	29.5	22.0	22.0	19.6	12.2	9.8	7.3	9.8	5.0	5.0	5.0
85°	17.1	14.7	12.2	7.3	5.0	5.0	2.4	0.0	2.4	2.4	0.0
87.5°	9.8	5.0	5.0	2.4	0.0	2.4	2.4	0.0	0.0	0.0	5.0
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5
2.5°	5043.8	5041.3	5046.3	5046.3	5060.9	5058.4	5065.8	5065.8	5060.9	5063.4	5073.2
5°	5060.9	5068.3	5083.0	5095.2	5117.2	5127.1	5139.3	5151.6	5154.0	5161.4	5168.7
7.5°	5060.9	5085.4	5102.6	5124.6	5154.0	5171.2	5198.1	5220.1	5229.9	5242.0	5256.8
10°	5051.1	5075.6	5107.4	5131.9	5168.7	5195.6	5222.5	5256.8	5271.5	5291.1	5310.7
12.5°	5031.6	5058.4	5092.8	5124.6	5166.2	5190.6	5225.0	5256.8	5278.8	5305.7	5327.9
15°	5002.2	5033.9	5065.8	5097.7	5141.7	5171.2	5203.0	5239.7	5261.7	5291.1	5310.7
17.5°	4955.6	4989.9	5019.4	5048.7	5090.3	5124.6	5154.0	5188.3	5210.3	5234.8	5261.7
20°	4899.4	4931.2	4963.0	4987.5	5029.1	5058.4	5090.3	5122.1	5139.3	5144.2	5185.8
22.5°	4828.4	4850.3	4874.8	4914.0	4938.5	4965.4	4994.9	5024.2	5041.3	5068.3	5083.0
25°	4710.8	4732.9	4759.8	4776.9	4806.3	4828.4	4857.8	4889.6	4899.4	4919.0	4933.6
27.5°	4546.8	4559.0	4571.3	4586.0	4603.0	4615.3	4632.4	4647.2	4656.9	4666.7	4676.5
30°	4287.2	4287.2	4287.2	4277.4	4284.8	4292.1	4294.6	4292.1	4292.1	4289.7	4289.7
32.5°	3944.5	3924.9	3902.8	3883.3	3875.8	3866.2	3861.2	3853.8	3841.6	3834.3	3836.7
35°	3481.6	3437.7	3410.7	3386.2	3366.7	3351.9	3344.6	3337.2	3334.8	3325.0	3315.2
37.5°	2903.8	2872.0	2852.4	2837.8	2820.6	2806.0	2808.3	2810.8	2818.1	2813.3	2815.6
40°	2291.7	2284.4	2291.7	2274.6	2269.7	2274.6	2286.8	2304.0	2313.8	2323.6	2340.7
42.5°	1743.3	1755.4	1772.8	1772.8	1780.0	1789.9	1804.5	1831.5	1846.1	1863.2	1882.9
45°	1312.3	1327.0	1349.1	1356.4	1361.4	1373.5	1390.7	1412.8	1422.6	1437.2	1454.4
47.5°	1011.3	1021.0	1033.2	1045.5	1057.7	1062.7	1079.8	1079.8	1092.0	1101.8	1106.7
50°	788.4	798.2	808.0	815.3	820.2	827.7	832.5	839.8	842.2	847.1	849.6
52.5°	616.9	629.3	629.3	634.2	641.5	648.8	646.4	648.8	651.3	651.3	658.6
55°	482.3	482.3	489.7	489.7	494.7	492.1	494.7	494.7	494.7	494.7	497.0
57.5°	359.9	362.4	369.8	364.8	362.4	367.2	362.4	367.2	364.8	369.8	362.4
60°	276.6	276.6	279.1	279.1	281.6	281.6	281.6	279.1	279.1	276.6	276.6
62.5°	208.1	210.5	213.1	210.5	210.5	210.5	208.1	208.1	205.6	203.2	203.2
65°	139.6	137.1	142.0	137.1	139.6	139.6	137.1	139.6	132.2	134.7	132.2
67.5°	100.4	98.0	95.5	98.0	95.5	93.0	93.0	95.5	98.0	90.6	90.6
70°	66.1	68.5	66.1	68.5	71.1	71.1	68.5	66.1	68.5	63.7	66.1
72.5°	41.6	41.6	41.6	41.6	41.6	44.0	44.0	44.0	39.2	39.2	36.7
75°	19.6	26.9	22.0	19.6	26.9	26.9	24.5	24.5	22.0	22.0	22.0
77.5°	19.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	12.2	14.7	12.2
80°	9.8	9.8	9.8	7.3	9.8	9.8	12.2	9.8	9.8	7.3	12.2
82.5°	5.0	5.0	5.0	0.0	2.4	5.0	5.0	2.4	5.0	5.0	2.4
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: P248744

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5
2.5°	5070.7	5068.3	5070.7	5073.2	5070.7	5068.3	5070.7	5073.2	5063.4	5060.9	5065.8
5°	5178.5	5178.5	5183.3	5185.8	5183.3	5178.5	5178.5	5168.7	5161.4	5154.0	5151.6
7.5°	5271.5	5276.5	5281.3	5283.7	5281.3	5276.5	5271.5	5256.8	5242.0	5229.9	5220.1
10°	5327.9	5335.2	5345.0	5349.8	5345.0	5335.2	5327.9	5310.7	5291.1	5271.5	5256.8
12.5°	5352.3	5359.7	5371.9	5369.5	5371.9	5359.7	5352.3	5327.9	5305.7	5278.8	5256.8
15°	5335.2	5345.0	5357.1	5362.1	5357.1	5345.0	5335.2	5310.7	5291.1	5261.7	5239.7
17.5°	5281.3	5296.0	5303.4	5310.7	5303.4	5296.0	5281.3	5261.7	5234.8	5210.3	5188.3
20°	5207.8	5217.6	5227.4	5229.9	5227.4	5217.6	5207.8	5185.8	5144.2	5139.3	5122.1
22.5°	5102.6	5110.0	5131.9	5124.6	5131.9	5110.0	5102.6	5083.0	5068.3	5041.3	5024.2
25°	4950.7	4958.1	4960.6	4963.0	4960.6	4958.1	4950.7	4933.6	4919.0	4899.4	4889.6
27.5°	4688.8	4688.8	4693.6	4696.2	4693.6	4688.8	4688.8	4676.5	4666.7	4656.9	4647.2
30°	4292.1	4292.1	4292.1	4304.5	4292.1	4292.1	4292.1	4289.7	4289.7	4292.1	4292.1
32.5°	3834.3	3829.4	3824.6	3829.4	3824.6	3829.4	3834.3	3836.7	3834.3	3841.6	3853.8
35°	3315.2	3312.8	3320.1	3310.3	3320.1	3312.8	3315.2	3315.2	3325.0	3334.8	3337.2
37.5°	2818.1	2813.3	2823.1	2813.3	2823.1	2813.3	2818.1	2815.6	2813.3	2818.1	2810.8
40°	2345.6	2350.5	2350.5	2370.2	2350.5	2350.5	2345.6	2340.7	2323.6	2313.8	2304.0
42.5°	1892.7	1907.3	1902.4	1917.1	1902.4	1907.3	1892.7	1882.9	1863.2	1846.1	1831.5
45°	1464.2	1474.0	1474.0	1478.8	1474.0	1474.0	1464.2	1454.4	1437.2	1422.6	1412.8
47.5°	1123.8	1123.8	1123.8	1126.4	1123.8	1123.8	1123.8	1106.7	1101.8	1092.0	1079.8
50°	854.6	856.9	859.5	861.9	859.5	856.9	854.6	849.6	847.1	842.2	839.8
52.5°	656.2	658.6	653.7	658.6	653.7	658.6	656.2	658.6	651.3	651.3	648.8
55°	497.0	494.7	497.0	499.5	497.0	494.7	497.0	497.0	494.7	494.7	494.7
57.5°	364.8	359.9	359.9	359.9	359.9	359.9	364.8	362.4	369.8	364.8	367.2
60°	271.8	274.3	274.3	276.6	274.3	274.3	271.8	276.6	276.6	279.1	279.1
62.5°	200.7	208.1	203.2	208.1	203.2	208.1	200.7	203.2	203.2	205.6	208.1
65°	129.8	129.8	129.8	132.2	129.8	129.8	129.8	132.2	134.7	132.2	139.6
67.5°	88.2	90.6	95.5	93.0	95.5	90.6	88.2	90.6	90.6	98.0	95.5
70°	71.1	63.7	63.7	71.1	63.7	63.7	71.1	66.1	63.7	68.5	66.1
72.5°	41.6	36.7	41.6	41.6	41.6	36.7	41.6	36.7	39.2	39.2	44.0
75°	22.0	19.6	17.1	24.5	17.1	19.6	22.0	22.0	22.0	22.0	24.5
77.5°	14.7	12.2	17.1	17.1	17.1	12.2	14.7	12.2	14.7	12.2	14.7
80°	7.3	9.8	7.3	12.2	7.3	9.8	7.3	12.2	7.3	9.8	9.8
82.5°	2.4	5.0	5.0	5.0	5.0	5.0	2.4	2.4	5.0	5.0	2.4
85°	0.0	5.0	2.4	2.4	2.4	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	0.0	2.4	0.0	0.0	2.4	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: P248744

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5
2.5°	5065.8	5058.4	5060.9	5046.3	5046.3	5041.3	5043.8	5031.6	5026.7	5021.8	5029.1
5°	5139.3	5127.1	5117.2	5095.2	5083.0	5068.3	5060.9	5041.3	5024.2	5009.5	5007.0
7.5°	5198.1	5171.2	5154.0	5124.6	5102.6	5085.4	5060.9	5033.9	5012.0	4992.3	4977.8
10°	5222.5	5195.6	5168.7	5131.9	5107.4	5075.6	5051.1	5016.8	4987.5	4960.6	4943.4
12.5°	5225.0	5190.6	5166.2	5124.6	5092.8	5058.4	5031.6	4992.3	4958.1	4931.2	4904.2
15°	5203.0	5171.2	5141.7	5097.7	5065.8	5033.9	5002.2	4960.6	4928.7	4896.9	4877.3
17.5°	5154.0	5124.6	5090.3	5048.7	5019.4	4989.9	4955.6	4921.4	4884.6	4850.3	4825.9
20°	5090.3	5058.4	5029.1	4987.5	4963.0	4931.2	4899.4	4862.7	4833.2	4798.9	4772.0
22.5°	4994.9	4965.4	4938.5	4914.0	4874.8	4850.3	4828.4	4786.8	4757.3	4725.4	4696.2
25°	4857.8	4828.4	4806.3	4776.9	4759.8	4732.9	4710.8	4674.0	4647.2	4617.8	4593.3
27.5°	4632.4	4615.3	4603.0	4586.0	4571.3	4559.0	4546.8	4517.3	4497.9	4470.9	4446.4
30°	4294.6	4292.1	4284.8	4277.4	4287.2	4287.2	4287.2	4282.3	4265.2	4245.5	4228.4
32.5°	3861.2	3866.2	3875.8	3883.3	3902.8	3924.9	3944.5	3954.3	3954.3	3942.0	3934.7
35°	3344.6	3351.9	3366.7	3386.2	3410.7	3437.7	3481.6	3491.6	3498.8	3498.8	3489.0
37.5°	2808.3	2806.0	2820.6	2837.8	2852.4	2872.0	2903.8	2911.3	2923.4	2918.6	2908.7
40°	2286.8	2274.6	2269.7	2274.6	2291.7	2284.4	2291.7	2286.8	2286.8	2269.7	2269.7
42.5°	1804.5	1789.9	1780.0	1772.8	1772.8	1755.4	1743.3	1731.2	1723.7	1711.5	1709.0
45°	1390.7	1373.5	1361.4	1356.4	1349.1	1327.0	1312.3	1297.7	1280.5	1275.6	1278.1
47.5°	1079.8	1062.7	1057.7	1045.5	1033.2	1021.0	1011.3	994.0	991.6	981.8	991.6
50°	832.5	827.7	820.2	815.3	808.0	798.2	788.4	778.6	773.7	773.7	776.1
52.5°	646.4	648.8	641.5	634.2	629.3	629.3	616.9	614.6	614.6	604.8	614.6
55°	494.7	492.1	494.7	489.7	489.7	482.3	482.3	475.0	475.0	467.7	472.6
57.5°	362.4	367.2	362.4	364.8	369.8	362.4	359.9	352.6	357.4	352.6	355.0
60°	281.6	281.6	281.6	279.1	279.1	276.6	276.6	274.3	274.3	269.3	274.3
62.5°	208.1	210.5	210.5	210.5	213.1	210.5	208.1	210.5	208.1	208.1	210.5
65°	137.1	139.6	139.6	137.1	142.0	137.1	139.6	142.0	144.5	142.0	144.5
67.5°	93.0	93.0	95.5	98.0	95.5	98.0	100.4	98.0	100.4	105.3	100.4
70°	68.5	71.1	71.1	68.5	66.1	68.5	66.1	73.5	73.5	73.5	78.3
72.5°	44.0	44.0	41.6	41.6	41.6	41.6	41.6	48.9	44.0	41.6	46.6
75°	24.5	26.9	26.9	19.6	22.0	26.9	19.6	22.0	29.5	24.5	29.5
77.5°	14.7	14.7	14.7	14.7	14.7	14.7	19.6	17.1	17.1	17.1	19.6
80°	12.2	9.8	9.8	7.3	9.8	9.8	9.8	14.7	12.2	12.2	14.7
82.5°	5.0	5.0	2.4	0.0	5.0	5.0	5.0	5.0	5.0	5.0	9.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	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: P248744

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5
2.5°	5009.5	5009.5	5007.0	5002.2	4992.3	4992.3	4989.9	4982.6	4977.8	4975.2	4975.2
5°	4985.0	4975.2	4965.4	4938.5	4938.5	4933.6	4919.0	4909.0	4904.2	4892.0	4887.1
7.5°	4963.0	4933.6	4916.5	4899.4	4877.3	4867.5	4850.3	4843.0	4825.9	4813.7	4806.3
10°	4909.0	4889.6	4867.5	4840.5	4823.4	4803.9	4784.3	4769.7	4747.5	4735.2	4725.4
12.5°	4872.4	4843.0	4823.4	4794.0	4764.7	4747.5	4720.6	4703.5	4681.5	4656.9	4642.2
15°	4838.2	4806.3	4779.4	4747.5	4715.7	4696.2	4664.4	4644.8	4613.0	4588.4	4571.3
17.5°	4786.8	4759.8	4730.4	4691.2	4661.9	4637.4	4603.0	4578.6	4549.2	4517.3	4500.2
20°	4732.9	4701.0	4671.7	4632.4	4603.0	4573.7	4539.5	4512.5	4478.2	4448.8	4429.2
22.5°	4661.9	4625.1	4600.6	4561.4	4527.1	4495.4	4463.6	4431.7	4399.9	4375.3	4353.3
25°	4559.0	4519.8	4492.9	4461.1	4429.2	4404.8	4365.6	4346.1	4314.2	4292.1	4270.0
27.5°	4412.0	4382.8	4358.2	4326.4	4299.5	4280.0	4250.5	4230.9	4203.9	4184.4	4167.2
30°	4196.7	4172.2	4150.1	4118.3	4098.7	4081.6	4054.6	4037.5	4017.9	3995.9	3991.0
32.5°	3907.8	3888.1	3866.2	3844.0	3829.4	3819.6	3797.6	3787.8	3768.2	3755.9	3743.7
35°	3471.9	3454.8	3442.5	3432.8	3427.9	3430.2	3425.4	3435.2	3440.0	3437.7	3440.0
37.5°	2901.5	2891.6	2896.5	2903.8	2928.4	2960.2	2989.6	3033.6	3063.0	3092.4	3119.4
40°	2264.8	2272.2	2291.7	2335.8	2399.5	2470.5	2536.6	2619.9	2703.2	2761.9	2815.6
42.5°	1709.0	1731.2	1780.0	1843.6	1939.2	2044.5	2147.3	2269.7	2370.2	2468.0	2536.6
45°	1285.4	1314.8	1378.5	1466.7	1571.9	1694.4	1824.1	1961.2	2081.2	2181.6	2257.4
47.5°	1001.5	1028.4	1092.0	1185.1	1314.8	1442.1	1576.8	1718.8	1843.6	1941.6	2007.8
50°	790.9	825.1	881.4	979.4	1109.1	1243.8	1383.4	1522.9	1640.5	1723.7	1782.4
52.5°	621.9	653.7	707.6	810.4	942.8	1077.3	1207.0	1344.3	1447.0	1527.9	1567.0
55°	482.3	511.8	568.0	653.7	778.6	910.8	1040.5	1158.2	1253.6	1312.3	1349.1
57.5°	367.2	389.4	428.5	514.1	626.8	749.2	859.5	977.0	1050.4	1092.0	1116.4
60°	279.1	296.3	338.0	404.0	506.8	612.1	705.2	793.4	852.1	886.4	910.8
62.5°	210.5	230.2	259.5	315.9	394.2	479.9	558.2	624.4	673.3	695.4	712.5
65°	144.5	159.2	181.2	225.2	291.4	352.6	413.8	462.8	494.7	519.1	528.9
67.5°	107.8	117.6	129.8	164.0	210.5	259.5	301.2	335.4	369.8	379.6	396.7
70°	80.8	88.2	100.4	124.9	151.8	186.1	220.4	240.0	264.5	281.6	286.5
72.5°	51.4	53.8	66.1	80.8	102.8	124.9	146.9	164.0	178.8	188.5	193.4
75°	29.5	44.0	44.0	58.7	73.5	83.2	98.0	110.1	117.6	124.9	124.9
77.5°	19.6	26.9	29.5	36.7	44.0	56.4	68.5	75.9	83.2	85.6	85.6
80°	17.1	19.6	19.6	26.9	31.8	41.6	48.9	51.4	56.4	58.7	63.7
82.5°	7.3	9.8	12.2	19.6	22.0	22.0	29.5	31.8	36.7	39.2	39.2
85°	2.4	5.0	5.0	7.3	12.2	14.7	17.1	19.6	22.0	22.0	24.5
87.5°	2.4	2.4	0.0	2.4	5.0	5.0	9.8	9.8	9.8	14.7	14.7
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: P248744

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5	5014.5
2.5°	4970.4	4972.8	4963.0	4960.6	4955.6	4958.1	4963.0
5°	4879.8	4882.2	4872.4	4862.7	4862.7	4860.1	4862.7
7.5°	4794.0	4796.6	4781.8	4776.9	4767.1	4769.7	4769.7
10°	4708.3	4708.3	4686.4	4683.8	4676.5	4674.0	4674.0
12.5°	4625.1	4617.8	4600.6	4590.8	4595.7	4581.1	4581.1
15°	4551.6	4539.5	4517.3	4510.0	4497.9	4492.9	4492.9
17.5°	4475.7	4466.0	4446.4	4431.7	4417.0	4414.6	4417.0
20°	4402.2	4392.4	4368.0	4358.2	4346.1	4346.1	4341.2
22.5°	4328.8	4319.0	4297.0	4289.7	4272.5	4272.5	4275.0
25°	4253.0	4245.5	4221.1	4216.3	4213.8	4203.9	4208.8
27.5°	4150.1	4145.2	4125.6	4118.3	4108.5	4106.1	4111.0
30°	3961.6	3954.3	3939.6	3932.2	3915.1	3917.5	3922.3
32.5°	3726.6	3716.8	3697.1	3689.8	3675.2	3670.2	3672.7
35°	3432.8	3425.4	3408.3	3408.3	3393.6	3388.6	3393.6
37.5°	3134.0	3141.3	3134.0	3141.3	3134.0	3131.5	3134.0
40°	2852.4	2879.4	2884.3	2911.3	2901.5	2916.1	2913.6
42.5°	2583.1	2627.1	2644.4	2666.4	2661.5	2671.3	2678.6
45°	2311.3	2348.1	2365.2	2379.9	2382.3	2387.2	2389.7
47.5°	2054.2	2083.6	2086.1	2103.2	2100.7	2100.7	2108.1
50°	1814.4	1833.9	1838.7	1851.1	1841.3	1836.3	1838.7
52.5°	1591.5	1611.1	1606.2	1611.1	1598.9	1593.9	1596.4
55°	1363.7	1373.5	1373.5	1373.5	1358.9	1358.9	1358.9
57.5°	1131.2	1133.7	1128.7	1131.2	1128.7	1114.0	1111.6
60°	918.2	918.2	915.6	918.2	910.8	903.5	903.5
62.5°	717.3	722.2	732.0	722.2	717.3	722.2	714.9
65°	536.3	546.1	543.5	548.4	546.1	546.1	541.1
67.5°	404.0	406.5	408.8	411.4	411.4	411.4	411.4
70°	296.3	303.6	301.2	301.2	301.2	301.2	315.9
72.5°	198.3	208.1	205.6	210.5	210.5	215.4	210.5
75°	134.7	144.5	139.6	146.9	144.5	139.6	151.8
77.5°	90.6	95.5	98.0	100.4	98.0	95.5	98.0
80°	63.7	68.5	66.1	68.5	68.5	68.5	71.1
82.5°	39.2	46.6	44.0	46.6	44.0	46.6	46.6
85°	26.9	29.5	24.5	29.5	26.9	26.9	31.8
87.5°	17.1	14.7	14.7	17.1	14.7	17.1	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)