

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: P248726

Luminaire Tested: **LSR8B100D010 EC8B100940 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248726  
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 EC8B100940 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9604.0 lumens  
Efficiency: N/A  
Efficacy: 90.3 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

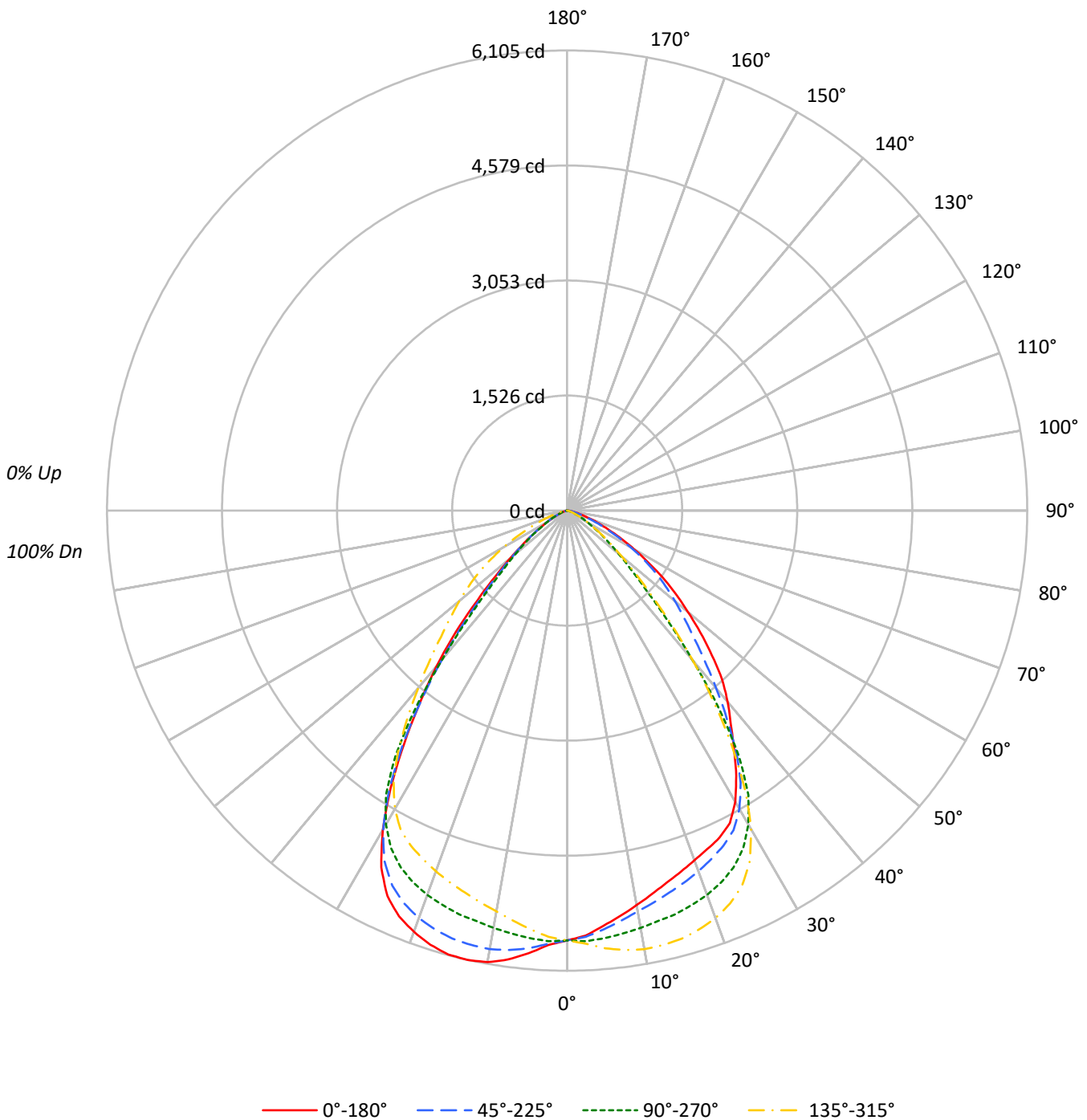
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	175816	175816	175816	175816
5°	171145	176228	182521	176228
10°	166411	175999	190468	175999
15°	163087	177041	194638	177041
20°	161976	178056	195140	178056
25°	162829	177698	192001	177698
30°	158802	171193	174270	171193
35°	145254	149338	141693	149338
40°	133357	103883	108484	103883
45°	118495	63373	73329	63373
50°	100297	42336	47013	42336
55°	83067	28886	30531	28886
60°	63356	19230	19402	19230
65°	44888	11981	10967	11981
70°	32376	8024	7285	8024
75°	20564	3991	3312	3991
80°	14348	2966	2468	2966
85°	12808	0	991	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.7	5.7
10°-20°	1571.5	16.4
20°-30°	2379.6	24.8
30°-40°	2384.9	24.8
40°-50°	1497.6	15.6
50°-60°	798.1	8.3
60°-70°	328.2	3.4
70°-80°	86.7	0.9
80°-90°	14.7	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°	4493.8	46.8
0°-40°	6878.7	71.6
0°-60°	9174.5	95.5
0°-90°	9604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9604.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5702	5702	5702	5702	5702	
5°	5529	5693	5896	5693	5529	521
15°	5109	5546	6097	5546	5109	1445
25°	4786	5223	5643	5223	4786	2195
35°	3859	3967	3764	3967	3859	2417
45°	2717	1453	1682	1453	2717	2090
55°	1545	537	568	537	1545	1378
65°	615	164	150	164	615	638
75°	173	34	28	34	173	196
85°	36	0	3	0	36	40
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°	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6
2.5°	5643.1	5637.5	5634.8	5640.4	5643.1	5654.3	5651.5	5657.0	5657.0	5659.9	5665.4
5°	5529.0	5526.2	5529.0	5529.0	5540.1	5551.2	5548.5	5556.9	5562.4	5576.3	5581.8
7.5°	5423.2	5423.2	5420.4	5431.5	5437.1	5453.8	5451.0	5465.0	5473.3	5487.2	5506.7
10°	5314.6	5314.6	5317.4	5325.7	5328.6	5353.6	5353.6	5373.1	5384.2	5398.2	5423.2
12.5°	5208.8	5208.8	5225.6	5220.0	5231.1	5250.6	5258.9	5278.4	5295.1	5323.0	5348.1
15°	5108.6	5108.6	5114.2	5128.1	5136.4	5161.5	5175.4	5197.7	5217.2	5245.1	5281.3
17.5°	5022.3	5019.5	5022.3	5039.0	5055.8	5078.0	5089.1	5116.9	5136.4	5172.6	5206.1
20°	4936.0	4941.6	4941.6	4955.5	4966.6	4994.4	5005.6	5036.3	5058.5	5091.9	5130.9
22.5°	4860.8	4858.1	4858.1	4877.6	4885.9	4910.9	4922.0	4949.9	4975.0	5002.8	5039.0
25°	4785.7	4780.0	4791.3	4794.0	4799.5	4827.4	4835.7	4855.2	4880.3	4905.4	4941.6
27.5°	4674.3	4668.8	4671.5	4682.6	4691.0	4713.2	4718.9	4738.3	4757.8	4780.0	4810.8
30°	4459.9	4454.4	4451.6	4471.1	4479.5	4496.1	4504.5	4537.9	4543.4	4568.5	4590.7
32.5°	4175.9	4173.2	4178.8	4195.4	4203.8	4226.1	4237.2	4256.7	4270.6	4284.6	4306.8
35°	3858.6	3853.0	3858.6	3875.4	3875.4	3894.8	3903.2	3911.4	3908.7	3911.4	3905.9
37.5°	3563.6	3560.7	3563.6	3571.8	3563.6	3571.8	3563.6	3546.8	3516.2	3482.8	3449.3
40°	3312.9	3315.7	3299.1	3310.2	3279.5	3274.0	3243.4	3201.6	3140.4	3073.6	2978.9
42.5°	3045.7	3037.3	3026.2	3031.7	3006.8	2987.2	2937.1	2884.3	2806.2	2695.0	2580.7
45°	2717.2	2714.4	2708.8	2706.1	2689.3	2669.9	2628.0	2566.8	2480.6	2366.4	2229.9
47.5°	2397.0	2388.6	2388.6	2391.4	2371.9	2369.2	2335.7	2282.9	2207.7	2096.3	1954.3
50°	2090.7	2088.0	2093.6	2104.7	2090.7	2085.2	2063.0	2026.8	1960.0	1865.3	1731.6
52.5°	1815.1	1812.4	1818.0	1831.9	1826.2	1831.9	1809.6	1781.8	1737.2	1645.3	1528.4
55°	1545.1	1545.1	1545.1	1561.8	1561.8	1561.8	1550.6	1534.0	1492.2	1425.4	1316.9
57.5°	1263.9	1266.7	1283.4	1286.2	1283.4	1289.0	1286.2	1269.4	1241.7	1194.4	1110.8
60°	1027.3	1027.3	1035.7	1044.0	1041.2	1044.0	1044.0	1035.7	1007.8	968.9	902.1
62.5°	812.9	821.3	815.7	821.3	832.4	821.3	815.7	810.2	790.7	765.6	709.9
65°	615.2	620.9	620.9	623.6	618.0	620.9	609.7	601.4	590.3	562.4	526.2
67.5°	467.8	467.8	467.8	467.8	464.9	462.1	459.4	451.0	431.5	420.4	381.4
70°	359.1	342.4	342.4	342.4	342.4	345.3	336.9	325.8	320.2	300.7	272.8
72.5°	239.4	245.0	239.4	239.4	233.9	236.6	225.5	219.9	214.4	203.3	186.6
75°	172.6	158.7	164.2	167.1	158.7	164.2	153.1	142.0	142.0	133.6	125.2
77.5°	111.4	108.6	111.4	114.1	111.4	108.6	103.0	97.4	97.4	94.7	86.3
80°	80.8	77.9	77.9	77.9	75.2	77.9	72.4	72.4	66.8	64.1	58.4
82.5°	52.9	52.9	50.1	52.9	50.1	52.9	44.6	44.6	44.6	41.7	36.2
85°	36.2	30.6	30.6	33.5	27.8	33.5	30.6	27.8	25.1	25.1	22.2
87.5°	16.7	19.5	16.7	19.5	16.7	16.7	19.5	16.7	16.7	11.1	11.1
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°	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6
2.5°	5673.7	5676.5	5676.5	5687.7	5693.2	5696.0	5696.0	5718.3	5710.0	5715.6	5721.1
5°	5593.1	5609.7	5615.3	5615.3	5645.9	5657.0	5668.1	5693.2	5696.0	5712.7	5732.2
7.5°	5515.0	5534.5	5545.7	5570.7	5590.2	5609.7	5643.1	5659.9	5676.5	5698.8	5723.8
10°	5439.9	5462.2	5484.4	5503.9	5534.5	5559.6	5581.8	5620.8	5640.4	5671.0	5704.3
12.5°	5367.6	5398.2	5417.6	5451.0	5484.4	5506.7	5540.1	5576.3	5606.9	5637.5	5676.5
15°	5303.5	5339.7	5361.9	5398.2	5434.4	5465.0	5501.2	5545.7	5568.0	5604.2	5640.4
17.5°	5233.8	5272.9	5300.8	5334.1	5378.7	5412.0	5442.7	5487.2	5515.0	5554.0	5595.8
20°	5161.5	5200.5	5233.8	5267.3	5311.9	5345.2	5381.4	5426.0	5456.6	5495.6	5529.0
22.5°	5075.2	5111.4	5147.5	5186.5	5231.1	5258.9	5300.8	5339.7	5373.1	5409.3	5442.7
25°	4963.9	5008.4	5036.3	5072.4	5108.6	5139.2	5183.8	5222.7	5250.6	5284.0	5314.6
27.5°	4833.0	4866.5	4888.7	4919.3	4955.5	4983.3	5016.7	5055.8	5083.6	5114.2	5136.4
30°	4610.2	4640.9	4660.4	4682.6	4718.9	4744.0	4771.8	4807.9	4827.4	4849.7	4869.2
32.5°	4317.9	4343.0	4354.1	4370.8	4395.9	4420.9	4443.3	4473.9	4482.2	4496.1	4496.1
35°	3894.8	3900.3	3897.6	3903.2	3914.3	3928.2	3947.7	3967.1	3978.3	3978.3	3970.0
37.5°	3399.2	3365.9	3329.7	3301.8	3293.5	3287.8	3299.1	3307.3	3318.6	3324.1	3310.2
40°	2884.3	2809.1	2728.3	2655.9	2605.8	2583.6	2575.2	2580.7	2580.7	2600.2	2600.2
42.5°	2441.6	2324.6	2205.0	2096.3	2023.9	1968.3	1943.2	1943.2	1946.0	1960.0	1968.3
45°	2074.1	1926.5	1787.3	1667.6	1567.4	1495.0	1461.6	1453.2	1450.5	1456.0	1475.5
47.5°	1792.9	1639.8	1495.0	1347.5	1241.7	1169.3	1138.7	1127.5	1116.3	1127.5	1130.3
50°	1573.0	1414.3	1261.2	1113.6	1002.2	938.2	899.2	882.5	879.7	879.7	885.3
52.5°	1372.5	1225.0	1071.9	921.5	804.5	743.4	707.1	698.8	687.7	698.8	698.8
55°	1183.2	1035.7	885.3	743.4	645.8	581.9	548.4	537.3	531.7	540.1	540.1
57.5°	977.2	851.9	712.8	584.6	487.2	442.7	417.6	403.7	400.8	406.5	400.8
60°	801.8	696.0	576.3	459.4	384.2	336.9	317.4	311.8	306.2	311.8	311.8
62.5°	634.7	545.7	448.2	359.1	295.1	261.7	239.4	239.4	236.6	236.6	239.4
65°	470.5	400.8	331.3	256.1	206.0	180.9	164.2	164.2	161.5	164.2	161.5
67.5°	342.4	295.1	239.4	186.6	147.6	133.6	122.5	114.1	119.7	114.1	111.4
70°	250.6	211.5	172.6	142.0	114.1	100.3	91.9	89.0	83.5	83.5	83.5
72.5°	167.1	142.0	116.9	91.9	75.2	61.2	58.4	52.9	47.3	50.1	55.7
75°	111.4	94.7	83.5	66.8	50.1	50.1	33.5	33.5	27.8	33.5	25.1
77.5°	77.9	64.1	50.1	41.7	33.5	30.6	22.2	22.2	19.5	19.5	19.5
80°	55.7	47.3	36.2	30.6	22.2	22.2	19.5	16.7	13.9	13.9	16.7
82.5°	33.5	25.1	25.1	22.2	13.9	11.1	8.4	11.1	5.6	5.6	5.6
85°	19.5	16.7	13.9	8.4	5.6	5.6	2.8	0.0	2.8	2.8	0.0
87.5°	11.1	5.6	5.6	2.8	0.0	2.8	2.8	0.0	0.0	0.0	5.6
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°	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6
2.5°	5735.1	5732.2	5737.8	5737.8	5754.5	5751.7	5760.0	5760.0	5754.5	5757.3	5768.4
5°	5754.5	5762.9	5779.5	5793.5	5818.5	5829.7	5843.6	5857.5	5860.3	5868.7	5877.0
7.5°	5754.5	5782.4	5801.9	5826.8	5860.3	5879.8	5910.4	5935.5	5946.6	5960.5	5977.2
10°	5743.3	5771.1	5807.4	5835.2	5877.0	5907.6	5938.2	5977.2	5993.9	6016.1	6038.5
12.5°	5721.1	5751.7	5790.6	5826.8	5874.2	5902.0	5941.0	5977.2	6002.3	6032.9	6058.0
15°	5687.7	5723.8	5760.0	5796.2	5846.3	5879.8	5916.0	5957.7	5982.8	6016.1	6038.5
17.5°	5634.8	5673.7	5707.2	5740.6	5787.9	5826.8	5860.3	5899.3	5924.4	5952.2	5982.8
20°	5570.7	5606.9	5643.1	5671.0	5718.3	5751.7	5787.9	5824.1	5843.6	5849.2	5896.5
22.5°	5490.1	5515.0	5542.9	5587.5	5615.3	5645.9	5679.4	5712.7	5732.2	5762.9	5779.5
25°	5356.3	5381.4	5412.0	5431.5	5465.0	5490.1	5523.4	5559.6	5570.7	5593.1	5609.7
27.5°	5169.9	5183.8	5197.7	5214.3	5233.8	5247.8	5267.3	5284.0	5295.1	5306.3	5317.4
30°	4874.7	4874.7	4874.7	4863.6	4872.0	4880.3	4883.1	4880.3	4880.3	4877.6	4877.6
32.5°	4485.0	4462.7	4437.7	4415.4	4407.1	4395.9	4390.3	4382.0	4368.1	4359.7	4362.5
35°	3958.8	3908.7	3878.1	3850.3	3828.0	3811.3	3802.9	3794.6	3791.8	3780.7	3769.5
37.5°	3301.8	3265.6	3243.4	3226.7	3207.2	3190.4	3193.2	3196.1	3204.3	3198.8	3201.6
40°	2605.8	2597.4	2605.8	2586.3	2580.7	2586.3	2600.2	2619.8	2630.9	2642.0	2661.5
42.5°	1982.2	1996.1	2015.7	2015.7	2023.9	2035.1	2051.8	2082.5	2099.1	2118.6	2140.9
45°	1492.2	1508.9	1534.0	1542.3	1547.9	1561.8	1581.4	1606.3	1617.5	1634.2	1653.7
47.5°	1149.8	1160.9	1174.8	1188.8	1202.6	1208.2	1227.7	1227.7	1241.7	1252.8	1258.3
50°	896.4	907.6	918.7	927.0	932.7	941.0	946.5	954.9	957.6	963.3	966.0
52.5°	701.5	715.5	715.5	721.0	729.4	737.7	735.0	737.7	740.5	740.5	748.9
55°	548.4	548.4	556.8	556.8	562.4	559.5	562.4	562.4	562.4	562.4	565.2
57.5°	409.2	412.1	420.4	414.8	412.1	417.6	412.1	417.6	414.8	420.4	412.1
60°	314.6	314.6	317.4	317.4	320.2	320.2	320.2	317.4	317.4	314.6	314.6
62.5°	236.6	239.4	242.2	239.4	239.4	239.4	236.6	236.6	233.9	231.0	231.0
65°	158.7	156.0	161.5	156.0	158.7	158.7	156.0	158.7	150.3	153.1	150.3
67.5°	114.1	111.4	108.6	111.4	108.6	105.8	105.8	108.6	111.4	103.0	103.0
70°	75.2	77.9	75.2	77.9	80.8	80.8	77.9	75.2	77.9	72.4	75.2
72.5°	47.3	47.3	47.3	47.3	47.3	50.1	50.1	50.1	44.6	44.6	41.7
75°	22.2	30.6	25.1	22.2	30.6	30.6	27.8	27.8	25.1	25.1	25.1
77.5°	22.2	16.7	16.7	16.7	16.7	16.7	16.7	16.7	13.9	16.7	13.9
80°	11.1	11.1	11.1	8.4	11.1	11.1	13.9	11.1	11.1	8.4	13.9
82.5°	5.6	5.6	5.6	0.0	2.8	5.6	5.6	2.8	5.6	5.6	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: P248726

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6
2.5°	5765.6	5762.9	5765.6	5768.4	5765.6	5762.9	5765.6	5768.4	5757.3	5754.5	5760.0
5°	5888.1	5888.1	5893.6	5896.5	5893.6	5888.1	5888.1	5877.0	5868.7	5860.3	5857.5
7.5°	5993.9	5999.5	6005.0	6007.8	6005.0	5999.5	5993.9	5977.2	5960.5	5946.6	5935.5
10°	6058.0	6066.3	6077.4	6082.9	6077.4	6066.3	6058.0	6038.5	6016.1	5993.9	5977.2
12.5°	6085.8	6094.2	6108.0	6105.3	6108.0	6094.2	6085.8	6058.0	6032.9	6002.3	5977.2
15°	6066.3	6077.4	6091.3	6096.9	6091.3	6077.4	6066.3	6038.5	6016.1	5982.8	5957.7
17.5°	6005.0	6021.8	6030.1	6038.5	6030.1	6021.8	6005.0	5982.8	5952.2	5924.4	5899.3
20°	5921.5	5932.7	5943.8	5946.6	5943.8	5932.7	5921.5	5896.5	5849.2	5843.6	5824.1
22.5°	5801.9	5810.2	5835.2	5826.8	5835.2	5810.2	5801.9	5779.5	5762.9	5732.2	5712.7
25°	5629.2	5637.5	5640.4	5643.1	5640.4	5637.5	5629.2	5609.7	5593.1	5570.7	5559.6
27.5°	5331.3	5331.3	5336.8	5339.7	5336.8	5331.3	5331.3	5317.4	5306.3	5295.1	5284.0
30°	4880.3	4880.3	4880.3	4894.3	4880.3	4880.3	4880.3	4877.6	4877.6	4880.3	4880.3
32.5°	4359.7	4354.1	4348.6	4354.1	4348.6	4354.1	4359.7	4362.5	4359.7	4368.1	4382.0
35°	3769.5	3766.7	3775.1	3764.0	3775.1	3766.7	3769.5	3769.5	3780.7	3791.8	3794.6
37.5°	3204.3	3198.8	3209.9	3198.8	3209.9	3198.8	3204.3	3201.6	3198.8	3204.3	3196.1
40°	2667.1	2672.6	2672.6	2695.0	2672.6	2672.6	2667.1	2661.5	2642.0	2630.9	2619.8
42.5°	2152.0	2168.7	2163.1	2179.9	2163.1	2168.7	2152.0	2140.9	2118.6	2099.1	2082.5
45°	1664.8	1676.0	1676.0	1681.5	1676.0	1676.0	1664.8	1653.7	1634.2	1617.5	1606.3
47.5°	1277.8	1277.8	1277.8	1280.7	1277.8	1277.8	1277.8	1258.3	1252.8	1241.7	1227.7
50°	971.6	974.4	977.2	980.0	977.2	974.4	971.6	966.0	963.3	957.6	954.9
52.5°	746.1	748.9	743.4	748.9	743.4	748.9	746.1	748.9	740.5	740.5	737.7
55°	565.2	562.4	565.2	567.9	565.2	562.4	565.2	565.2	562.4	562.4	562.4
57.5°	414.8	409.2	409.2	409.2	409.2	409.2	414.8	412.1	420.4	414.8	417.6
60°	309.1	311.8	311.8	314.6	311.8	311.8	309.1	314.6	314.6	317.4	317.4
62.5°	228.3	236.6	231.0	236.6	231.0	236.6	228.3	231.0	231.0	233.9	236.6
65°	147.6	147.6	147.6	150.3	147.6	147.6	147.6	150.3	153.1	150.3	158.7
67.5°	100.3	103.0	108.6	105.8	108.6	103.0	100.3	103.0	103.0	111.4	108.6
70°	80.8	72.4	72.4	80.8	72.4	72.4	80.8	75.2	72.4	77.9	75.2
72.5°	47.3	41.7	47.3	47.3	47.3	41.7	47.3	41.7	44.6	44.6	50.1
75°	25.1	22.2	19.5	27.8	19.5	22.2	25.1	25.1	25.1	25.1	27.8
77.5°	16.7	13.9	19.5	19.5	19.5	13.9	16.7	13.9	16.7	13.9	16.7
80°	8.4	11.1	8.4	13.9	8.4	11.1	8.4	13.9	8.4	11.1	11.1
82.5°	2.8	5.6	5.6	5.6	5.6	5.6	2.8	2.8	5.6	5.6	2.8
85°	0.0	5.6	2.8	2.8	2.8	5.6	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: P248726

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6
2.5°	5760.0	5751.7	5754.5	5737.8	5737.8	5732.2	5735.1	5721.1	5715.6	5710.0	5718.3
5°	5843.6	5829.7	5818.5	5793.5	5779.5	5762.9	5754.5	5732.2	5712.7	5696.0	5693.2
7.5°	5910.4	5879.8	5860.3	5826.8	5801.9	5782.4	5754.5	5723.8	5698.8	5676.5	5659.9
10°	5938.2	5907.6	5877.0	5835.2	5807.4	5771.1	5743.3	5704.3	5671.0	5640.4	5620.8
12.5°	5941.0	5902.0	5874.2	5826.8	5790.6	5751.7	5721.1	5676.5	5637.5	5606.9	5576.3
15°	5916.0	5879.8	5846.3	5796.2	5760.0	5723.8	5687.7	5640.4	5604.2	5568.0	5545.7
17.5°	5860.3	5826.8	5787.9	5740.6	5707.2	5673.7	5634.8	5595.8	5554.0	5515.0	5487.2
20°	5787.9	5751.7	5718.3	5671.0	5643.1	5606.9	5570.7	5529.0	5495.6	5456.6	5426.0
22.5°	5679.4	5645.9	5615.3	5587.5	5542.9	5515.0	5490.1	5442.7	5409.3	5373.1	5339.7
25°	5523.4	5490.1	5465.0	5431.5	5412.0	5381.4	5356.3	5314.6	5284.0	5250.6	5222.7
27.5°	5267.3	5247.8	5233.8	5214.3	5197.7	5183.8	5169.9	5136.4	5114.2	5083.6	5055.8
30°	4883.1	4880.3	4872.0	4863.6	4874.7	4874.7	4874.7	4869.2	4849.7	4827.4	4807.9
32.5°	4390.3	4395.9	4407.1	4415.4	4437.7	4462.7	4485.0	4496.1	4496.1	4482.2	4473.9
35°	3802.9	3811.3	3828.0	3850.3	3878.1	3908.7	3958.8	3970.0	3978.3	3978.3	3967.1
37.5°	3193.2	3190.4	3207.2	3226.7	3243.4	3265.6	3301.8	3310.2	3324.1	3318.6	3307.3
40°	2600.2	2586.3	2580.7	2586.3	2605.8	2597.4	2605.8	2600.2	2600.2	2580.7	2580.7
42.5°	2051.8	2035.1	2023.9	2015.7	2015.7	1996.1	1982.2	1968.3	1960.0	1946.0	1943.2
45°	1581.4	1561.8	1547.9	1542.3	1534.0	1508.9	1492.2	1475.5	1456.0	1450.5	1453.2
47.5°	1227.7	1208.2	1202.6	1188.8	1174.8	1160.9	1149.8	1130.3	1127.5	1116.3	1127.5
50°	946.5	941.0	932.7	927.0	918.7	907.6	896.4	885.3	879.7	879.7	882.5
52.5°	735.0	737.7	729.4	721.0	715.5	715.5	701.5	698.8	698.8	687.7	698.8
55°	562.4	559.5	562.4	556.8	556.8	548.4	548.4	540.1	540.1	531.7	537.3
57.5°	412.1	417.6	412.1	414.8	420.4	412.1	409.2	400.8	406.5	400.8	403.7
60°	320.2	320.2	320.2	317.4	317.4	314.6	314.6	311.8	311.8	306.2	311.8
62.5°	236.6	239.4	239.4	239.4	242.2	239.4	236.6	239.4	236.6	236.6	239.4
65°	156.0	158.7	158.7	156.0	161.5	156.0	158.7	161.5	164.2	161.5	164.2
67.5°	105.8	105.8	108.6	111.4	108.6	111.4	114.1	111.4	114.1	119.7	114.1
70°	77.9	80.8	80.8	77.9	75.2	77.9	75.2	83.5	83.5	83.5	89.0
72.5°	50.1	50.1	47.3	47.3	47.3	47.3	47.3	55.7	50.1	47.3	52.9
75°	27.8	30.6	30.6	22.2	25.1	30.6	22.2	25.1	33.5	27.8	33.5
77.5°	16.7	16.7	16.7	16.7	16.7	16.7	22.2	19.5	19.5	19.5	22.2
80°	13.9	11.1	11.1	8.4	11.1	11.1	11.1	16.7	13.9	13.9	16.7
82.5°	5.6	5.6	2.8	0.0	5.6	5.6	5.6	5.6	5.6	5.6	11.1
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	5.6	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: P248726

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6
2.5°	5696.0	5696.0	5693.2	5687.7	5676.5	5676.5	5673.7	5665.4	5659.9	5657.0	5657.0
5°	5668.1	5657.0	5645.9	5615.3	5615.3	5609.7	5593.1	5581.8	5576.3	5562.4	5556.9
7.5°	5643.1	5609.7	5590.2	5570.7	5545.7	5534.5	5515.0	5506.7	5487.2	5473.3	5465.0
10°	5581.8	5559.6	5534.5	5503.9	5484.4	5462.2	5439.9	5423.2	5398.2	5384.2	5373.1
12.5°	5540.1	5506.7	5484.4	5451.0	5417.6	5398.2	5367.6	5348.1	5323.0	5295.1	5278.4
15°	5501.2	5465.0	5434.4	5398.2	5361.9	5339.7	5303.5	5281.3	5245.1	5217.2	5197.7
17.5°	5442.7	5412.0	5378.7	5334.1	5300.8	5272.9	5233.8	5206.1	5172.6	5136.4	5116.9
20°	5381.4	5345.2	5311.9	5267.3	5233.8	5200.5	5161.5	5130.9	5091.9	5058.5	5036.3
22.5°	5300.8	5258.9	5231.1	5186.5	5147.5	5111.4	5075.2	5039.0	5002.8	4975.0	4949.9
25°	5183.8	5139.2	5108.6	5072.4	5036.3	5008.4	4963.9	4941.6	4905.4	4880.3	4855.2
27.5°	5016.7	4983.3	4955.5	4919.3	4888.7	4866.5	4833.0	4810.8	4780.0	4757.8	4738.3
30°	4771.8	4744.0	4718.9	4682.6	4660.4	4640.9	4610.2	4590.7	4568.5	4543.4	4537.9
32.5°	4443.3	4420.9	4395.9	4370.8	4354.1	4343.0	4317.9	4306.8	4284.6	4270.6	4256.7
35°	3947.7	3928.2	3914.3	3903.2	3897.6	3900.3	3894.8	3905.9	3911.4	3908.7	3911.4
37.5°	3299.1	3287.8	3293.5	3301.8	3329.7	3365.9	3399.2	3449.3	3482.8	3516.2	3546.8
40°	2575.2	2583.6	2605.8	2655.9	2728.3	2809.1	2884.3	2978.9	3073.6	3140.4	3201.6
42.5°	1943.2	1968.3	2023.9	2096.3	2205.0	2324.6	2441.6	2580.7	2695.0	2806.2	2884.3
45°	1461.6	1495.0	1567.4	1667.6	1787.3	1926.5	2074.1	2229.9	2366.4	2480.6	2566.8
47.5°	1138.7	1169.3	1241.7	1347.5	1495.0	1639.8	1792.9	1954.3	2096.3	2207.7	2282.9
50°	899.2	938.2	1002.2	1113.6	1261.2	1414.3	1573.0	1731.6	1865.3	1960.0	2026.8
52.5°	707.1	743.4	804.5	921.5	1071.9	1225.0	1372.5	1528.4	1645.3	1737.2	1781.8
55°	548.4	581.9	645.8	743.4	885.3	1035.7	1183.2	1316.9	1425.4	1492.2	1534.0
57.5°	417.6	442.7	487.2	584.6	712.8	851.9	977.2	1110.8	1194.4	1241.7	1269.4
60°	317.4	336.9	384.2	459.4	576.3	696.0	801.8	902.1	968.9	1007.8	1035.7
62.5°	239.4	261.7	295.1	359.1	448.2	545.7	634.7	709.9	765.6	790.7	810.2
65°	164.2	180.9	206.0	256.1	331.3	400.8	470.5	526.2	562.4	590.3	601.4
67.5°	122.5	133.6	147.6	186.6	239.4	295.1	342.4	381.4	420.4	431.5	451.0
70°	91.9	100.3	114.1	142.0	172.6	211.5	250.6	272.8	300.7	320.2	325.8
72.5°	58.4	61.2	75.2	91.9	116.9	142.0	167.1	186.6	203.3	214.4	219.9
75°	33.5	50.1	50.1	66.8	83.5	94.7	111.4	125.2	133.6	142.0	142.0
77.5°	22.2	30.6	33.5	41.7	50.1	64.1	77.9	86.3	94.7	97.4	97.4
80°	19.5	22.2	22.2	30.6	36.2	47.3	55.7	58.4	64.1	66.8	72.4
82.5°	8.4	11.1	13.9	22.2	25.1	25.1	33.5	36.2	41.7	44.6	44.6
85°	2.8	5.6	5.6	8.4	13.9	16.7	19.5	22.2	25.1	25.1	27.8
87.5°	2.8	2.8	0.0	2.8	5.6	5.6	11.1	11.1	11.1	16.7	16.7
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: P248726

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6	5701.6
2.5°	5651.5	5654.3	5643.1	5640.4	5634.8	5637.5	5643.1
5°	5548.5	5551.2	5540.1	5529.0	5529.0	5526.2	5529.0
7.5°	5451.0	5453.8	5437.1	5431.5	5420.4	5423.2	5423.2
10°	5353.6	5353.6	5328.6	5325.7	5317.4	5314.6	5314.6
12.5°	5258.9	5250.6	5231.1	5220.0	5225.6	5208.8	5208.8
15°	5175.4	5161.5	5136.4	5128.1	5114.2	5108.6	5108.6
17.5°	5089.1	5078.0	5055.8	5039.0	5022.3	5019.5	5022.3
20°	5005.6	4994.4	4966.6	4955.5	4941.6	4941.6	4936.0
22.5°	4922.0	4910.9	4885.9	4877.6	4858.1	4858.1	4860.8
25°	4835.7	4827.4	4799.5	4794.0	4791.3	4780.0	4785.7
27.5°	4718.9	4713.2	4691.0	4682.6	4671.5	4668.8	4674.3
30°	4504.5	4496.1	4479.5	4471.1	4451.6	4454.4	4459.9
32.5°	4237.2	4226.1	4203.8	4195.4	4178.8	4173.2	4175.9
35°	3903.2	3894.8	3875.4	3875.4	3858.6	3853.0	3858.6
37.5°	3563.6	3571.8	3563.6	3571.8	3563.6	3560.7	3563.6
40°	3243.4	3274.0	3279.5	3310.2	3299.1	3315.7	3312.9
42.5°	2937.1	2987.2	3006.8	3031.7	3026.2	3037.3	3045.7
45°	2628.0	2669.9	2689.3	2706.1	2708.8	2714.4	2717.2
47.5°	2335.7	2369.2	2371.9	2391.4	2388.6	2388.6	2397.0
50°	2063.0	2085.2	2090.7	2104.7	2093.6	2088.0	2090.7
52.5°	1809.6	1831.9	1826.2	1831.9	1818.0	1812.4	1815.1
55°	1550.6	1561.8	1561.8	1561.8	1545.1	1545.1	1545.1
57.5°	1286.2	1289.0	1283.4	1286.2	1283.4	1266.7	1263.9
60°	1044.0	1044.0	1041.2	1044.0	1035.7	1027.3	1027.3
62.5°	815.7	821.3	832.4	821.3	815.7	821.3	812.9
65°	609.7	620.9	618.0	623.6	620.9	620.9	615.2
67.5°	459.4	462.1	464.9	467.8	467.8	467.8	467.8
70°	336.9	345.3	342.4	342.4	342.4	342.4	359.1
72.5°	225.5	236.6	233.9	239.4	239.4	245.0	239.4
75°	153.1	164.2	158.7	167.1	164.2	158.7	172.6
77.5°	103.0	108.6	111.4	114.1	111.4	108.6	111.4
80°	72.4	77.9	75.2	77.9	77.9	77.9	80.8
82.5°	44.6	52.9	50.1	52.9	50.1	52.9	52.9
85°	30.6	33.5	27.8	33.5	30.6	30.6	36.2
87.5°	19.5	16.7	16.7	19.5	16.7	19.5	16.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)