

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: P248618

Luminaire Tested: **LSR8B100D010 EC8B100940 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248618
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9689.0 lumens
Efficiency: N/A
Efficacy: 91.1 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

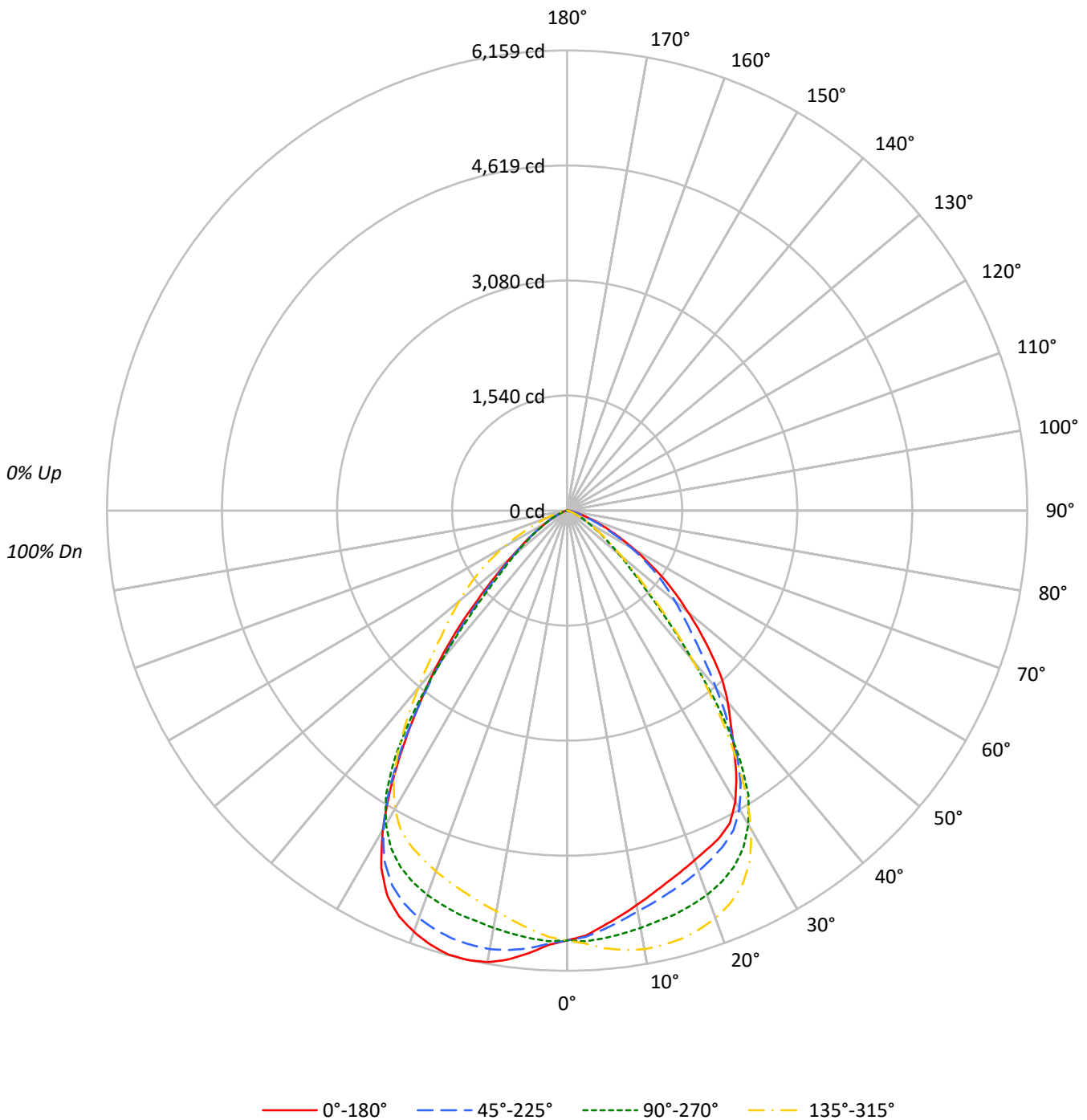
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSW0H

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°	177374	177374	177374	177374
5°	172662	177788	184137	177788
10°	167886	177558	192156	177558
15°	164530	178609	196362	178609
20°	163410	179631	196866	179631
25°	164268	179270	193703	179270
30°	160209	172707	175812	172707
35°	146541	150663	142946	150663
40°	134541	104801	109442	104801
45°	119541	63935	73979	63935
50°	101184	42710	47431	42710
55°	83803	29144	30800	29144
60°	63918	19402	19569	19402
65°	45289	12090	11069	12090
70°	32665	8096	7348	8096
75°	20743	4027	3348	4027
80°	14473	3001	2486	3001
85°	12914	0	991	0



TEST NUMBER: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.5	5.7
10°-20°	1585.4	16.4
20°-30°	2400.7	24.8
30°-40°	2406.1	24.8
40°-50°	1510.9	15.6
50°-60°	805.1	8.3
60°-70°	331.1	3.4
70°-80°	87.5	0.9
80°-90°	14.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4533.6	46.8
0°-40°	6939.6	71.6
0°-60°	9255.6	95.5
0°-90°	9689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9689.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5752	5752	5752	5752	5752	
5°	5578	5744	5949	5744	5578	526
15°	5154	5595	6151	5595	5154	1458
25°	4828	5269	5693	5269	4828	2214
35°	3893	4002	3797	4002	3893	2439
45°	2741	1466	1696	1466	2741	2108
55°	1559	542	573	542	1559	1390
65°	621	166	152	166	621	644
75°	174	34	28	34	174	197
85°	36	0	3	0	36	40
90°	0	0	0	0	0	



TEST NUMBER: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSWOH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1
2.5°	5693.1	5687.4	5684.7	5690.3	5693.1	5704.3	5701.5	5707.1	5707.1	5710.0	5715.5
5°	5578.0	5575.1	5578.0	5578.0	5589.2	5600.4	5597.6	5606.0	5611.6	5625.7	5631.2
7.5°	5471.2	5471.2	5468.4	5479.6	5485.2	5502.1	5499.2	5513.3	5521.8	5535.8	5555.4
10°	5361.7	5361.7	5364.4	5372.9	5375.8	5401.0	5401.0	5420.6	5431.8	5445.9	5471.2
12.5°	5255.0	5255.0	5271.8	5266.2	5277.4	5297.0	5305.5	5325.1	5342.0	5370.1	5395.4
15°	5153.8	5153.8	5159.5	5173.4	5181.9	5207.2	5221.2	5243.7	5263.4	5291.5	5328.0
17.5°	5066.7	5064.0	5066.7	5083.6	5100.5	5122.9	5134.1	5162.2	5181.9	5218.4	5252.2
20°	4979.7	4985.4	4985.4	4999.3	5010.6	5038.7	5049.9	5080.8	5103.3	5136.9	5176.3
22.5°	4903.9	4901.1	4901.1	4920.7	4929.2	4954.4	4965.6	4993.7	5019.0	5047.1	5083.6
25°	4828.0	4822.4	4833.7	4836.5	4842.0	4870.1	4878.5	4898.2	4923.5	4948.8	4985.4
27.5°	4715.7	4710.1	4712.9	4724.1	4732.5	4755.0	4760.6	4780.3	4799.9	4822.4	4853.3
30°	4499.4	4493.8	4491.0	4510.7	4519.1	4535.9	4544.3	4578.1	4583.6	4608.9	4631.4
32.5°	4212.9	4210.1	4215.8	4232.5	4241.0	4263.5	4274.7	4294.4	4308.4	4322.5	4344.9
35°	3892.8	3887.1	3892.8	3909.7	3909.7	3929.3	3937.7	3946.1	3943.3	3946.1	3940.5
37.5°	3595.1	3592.2	3595.1	3603.4	3595.1	3603.4	3595.1	3578.2	3547.3	3513.6	3479.8
40°	3342.3	3345.0	3328.3	3339.5	3308.5	3303.0	3272.1	3229.9	3168.2	3100.8	3005.3
42.5°	3072.7	3064.2	3053.0	3058.6	3033.4	3013.6	2963.1	2909.8	2831.1	2718.8	2603.5
45°	2741.2	2738.5	2732.8	2730.0	2713.1	2693.5	2651.3	2589.6	2502.5	2387.4	2249.7
47.5°	2418.2	2409.8	2409.8	2412.6	2392.9	2390.1	2356.4	2303.1	2227.2	2114.9	1971.6
50°	2109.2	2106.4	2112.1	2123.3	2109.2	2103.7	2081.2	2044.7	1977.3	1881.8	1746.9
52.5°	1831.2	1828.4	1834.1	1848.1	1842.4	1848.1	1825.6	1797.5	1752.6	1659.9	1541.9
55°	1558.8	1558.8	1558.8	1575.6	1575.6	1575.6	1564.4	1547.6	1505.4	1438.0	1328.5
57.5°	1275.1	1277.9	1294.8	1297.6	1294.8	1300.4	1297.6	1280.7	1252.7	1205.0	1120.7
60°	1036.4	1036.4	1044.8	1053.3	1050.4	1053.3	1053.3	1044.8	1016.7	977.4	910.0
62.5°	820.1	828.5	822.9	828.5	839.8	828.5	822.9	817.3	797.7	772.4	716.2
65°	620.7	626.3	626.3	629.1	623.5	626.3	615.1	606.7	595.5	567.4	530.9
67.5°	471.9	471.9	471.9	471.9	469.0	466.2	463.5	455.0	435.4	424.2	384.7
70°	362.3	345.4	345.4	345.4	345.4	348.3	339.9	328.7	323.0	303.3	275.3
72.5°	241.5	247.2	241.5	241.5	236.0	238.7	227.5	221.8	216.3	205.1	188.2
75°	174.1	160.1	165.7	168.6	160.1	165.7	154.4	143.2	143.2	134.8	126.4
77.5°	112.4	109.6	112.4	115.1	112.4	109.6	103.9	98.3	98.3	95.5	87.1
80°	81.5	78.6	78.6	78.6	75.8	78.6	73.1	73.1	67.4	64.6	59.0
82.5°	53.4	53.4	50.5	53.4	50.5	53.4	45.0	45.0	45.0	42.1	36.5
85°	36.5	30.9	30.9	33.8	28.1	33.8	30.9	28.1	25.3	25.3	22.4
87.5°	16.9	19.7	16.9	19.7	16.9	16.9	19.7	16.9	16.9	11.2	11.2
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: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSWOH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1
2.5°	5724.0	5726.7	5726.7	5738.1	5743.6	5746.4	5746.4	5768.9	5760.5	5766.2	5771.7
5°	5642.6	5659.3	5665.0	5665.0	5695.9	5707.1	5718.3	5743.6	5746.4	5763.3	5782.9
7.5°	5563.8	5583.5	5594.8	5620.0	5639.7	5659.3	5693.1	5710.0	5726.7	5749.3	5774.5
10°	5488.0	5510.6	5533.0	5552.6	5583.5	5608.8	5631.2	5670.6	5690.3	5721.2	5754.8
12.5°	5415.1	5445.9	5465.6	5499.2	5533.0	5555.4	5589.2	5625.7	5656.6	5687.4	5726.7
15°	5350.4	5387.0	5409.4	5445.9	5482.5	5513.3	5549.9	5594.8	5617.3	5653.8	5690.3
17.5°	5280.2	5319.6	5347.7	5381.3	5426.3	5459.9	5490.9	5535.8	5563.8	5603.2	5645.3
20°	5207.2	5246.5	5280.2	5313.9	5358.9	5392.5	5429.1	5474.0	5504.9	5544.2	5578.0
22.5°	5120.2	5156.7	5193.1	5232.4	5277.4	5305.5	5347.7	5387.0	5420.6	5457.1	5490.9
25°	5007.8	5052.8	5080.8	5117.3	5153.8	5184.7	5229.6	5268.9	5297.0	5330.8	5361.7
27.5°	4875.8	4909.5	4931.9	4962.8	4999.3	5027.4	5061.1	5100.5	5128.6	5159.5	5181.9
30°	4651.0	4682.0	4701.7	4724.1	4760.6	4785.9	4814.0	4850.4	4870.1	4892.6	4912.3
32.5°	4356.1	4381.4	4392.7	4409.5	4434.8	4460.0	4482.6	4513.5	4521.9	4535.9	4535.9
35°	3929.3	3934.9	3932.1	3937.7	3949.0	3962.9	3982.6	4002.3	4013.5	4013.5	4005.1
37.5°	3429.3	3395.7	3359.1	3331.0	3322.6	3316.9	3328.3	3336.6	3347.9	3353.5	3339.5
40°	2909.8	2833.9	2752.4	2679.4	2628.9	2606.4	2598.0	2603.5	2603.5	2623.2	2623.2
42.5°	2463.2	2345.2	2224.5	2114.9	2041.8	1985.8	1960.4	1960.4	1963.2	1977.3	1985.8
45°	2092.5	1943.6	1803.1	1682.4	1581.2	1508.2	1474.5	1466.1	1463.3	1468.9	1488.5
47.5°	1808.8	1654.3	1508.2	1359.4	1252.7	1179.6	1148.8	1137.4	1126.2	1137.4	1140.3
50°	1586.9	1426.8	1272.4	1123.5	1011.1	946.5	907.2	890.3	887.5	887.5	893.2
52.5°	1384.6	1235.8	1081.4	929.7	811.7	749.9	713.4	705.0	693.7	705.0	705.0
55°	1193.6	1044.8	893.2	749.9	651.6	587.0	553.3	542.1	536.4	544.8	544.8
57.5°	985.9	859.4	719.1	589.8	491.6	446.6	421.3	407.3	404.4	410.1	404.4
60°	808.9	702.2	581.4	463.5	387.6	339.9	320.2	314.6	308.9	314.6	314.6
62.5°	640.3	550.5	452.1	362.3	297.7	264.0	241.5	241.5	238.7	238.7	241.5
65°	474.7	404.4	334.2	258.4	207.9	182.5	165.7	165.7	162.9	165.7	162.9
67.5°	345.4	297.7	241.5	188.2	148.9	134.8	123.6	115.1	120.8	115.1	112.4
70°	252.8	213.4	174.1	143.2	115.1	101.2	92.7	89.8	84.3	84.3	84.3
72.5°	168.6	143.2	117.9	92.7	75.8	61.7	59.0	53.4	47.7	50.5	56.2
75°	112.4	95.5	84.3	67.4	50.5	50.5	33.8	33.8	28.1	33.8	25.3
77.5°	78.6	64.6	50.5	42.1	33.8	30.9	22.4	22.4	19.7	19.7	19.7
80°	56.2	47.7	36.5	30.9	22.4	22.4	19.7	16.9	14.0	14.0	16.9
82.5°	33.8	25.3	25.3	22.4	14.0	11.2	8.4	11.2	5.7	5.7	5.7
85°	19.7	16.9	14.0	8.4	5.7	5.7	2.8	0.0	2.8	2.8	0.0
87.5°	11.2	5.7	5.7	2.8	0.0	2.8	2.8	0.0	0.0	0.0	5.7
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: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSWOH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1
2.5°	5785.8	5782.9	5788.6	5788.6	5805.5	5802.6	5811.0	5811.0	5805.5	5808.2	5819.5
5°	5805.5	5813.9	5830.7	5844.8	5870.0	5881.3	5895.3	5909.4	5912.2	5920.6	5929.0
7.5°	5805.5	5833.6	5853.2	5878.4	5912.2	5931.8	5962.7	5988.0	5999.2	6013.2	6030.1
10°	5794.1	5822.2	5858.8	5886.8	5929.0	5959.9	5990.8	6030.1	6047.0	6069.4	6091.9
12.5°	5771.7	5802.6	5841.9	5878.4	5926.2	5954.2	5993.6	6030.1	6055.4	6086.3	6111.6
15°	5738.1	5774.5	5811.0	5847.5	5898.1	5931.8	5968.3	6010.4	6035.7	6069.4	6091.9
17.5°	5684.7	5724.0	5757.7	5791.4	5839.1	5878.4	5912.2	5951.5	5976.8	6004.9	6035.7
20°	5620.0	5656.6	5693.1	5721.2	5768.9	5802.6	5839.1	5875.6	5895.3	5901.0	5948.7
22.5°	5538.6	5563.8	5591.9	5636.9	5665.0	5695.9	5729.6	5763.3	5782.9	5813.9	5830.7
25°	5403.7	5429.1	5459.9	5479.6	5513.3	5538.6	5572.3	5608.8	5620.0	5642.6	5659.3
27.5°	5215.6	5229.6	5243.7	5260.5	5280.2	5294.3	5313.9	5330.8	5342.0	5353.2	5364.4
30°	4917.8	4917.8	4917.8	4906.6	4915.1	4923.5	4926.3	4923.5	4923.5	4920.7	4920.7
32.5°	4524.7	4502.2	4476.9	4454.5	4446.1	4434.8	4429.2	4420.7	4406.8	4398.3	4401.1
35°	3993.8	3943.3	3912.4	3884.3	3861.9	3845.0	3836.6	3828.2	3825.4	3814.2	3802.8
37.5°	3331.0	3294.5	3272.1	3255.2	3235.6	3218.7	3221.5	3224.3	3232.7	3227.1	3229.9
40°	2628.9	2620.4	2628.9	2609.2	2603.5	2609.2	2623.2	2643.0	2654.2	2665.4	2685.0
42.5°	1999.7	2013.7	2033.5	2033.5	2041.8	2053.1	2069.9	2100.9	2117.7	2137.3	2159.9
45°	1505.4	1522.3	1547.6	1555.9	1561.6	1575.6	1595.4	1620.6	1631.8	1648.6	1668.3
47.5°	1160.0	1171.2	1185.2	1199.3	1213.3	1218.9	1238.6	1238.6	1252.7	1263.9	1269.5
50°	904.4	915.6	926.8	935.2	940.9	949.3	954.9	963.3	966.1	971.8	974.6
52.5°	707.7	721.8	721.8	727.4	735.8	744.3	741.5	744.3	747.0	747.0	755.5
55°	553.3	553.3	561.7	561.7	567.4	564.5	567.4	567.4	567.4	567.4	570.2
57.5°	412.8	415.7	424.2	418.5	415.7	421.3	415.7	421.3	418.5	424.2	415.7
60°	317.3	317.3	320.2	320.2	323.0	323.0	323.0	320.2	320.2	317.3	317.3
62.5°	238.7	241.5	244.4	241.5	241.5	241.5	238.7	238.7	236.0	233.1	233.1
65°	160.1	157.3	162.9	157.3	160.1	160.1	157.3	160.1	151.7	154.4	151.7
67.5°	115.1	112.4	109.6	112.4	109.6	106.7	106.7	109.6	112.4	103.9	103.9
70°	75.8	78.6	75.8	78.6	81.5	81.5	78.6	75.8	78.6	73.1	75.8
72.5°	47.7	47.7	47.7	47.7	47.7	50.5	50.5	50.5	45.0	45.0	42.1
75°	22.4	30.9	25.3	22.4	30.9	30.9	28.1	28.1	25.3	25.3	25.3
77.5°	22.4	16.9	16.9	16.9	16.9	16.9	16.9	16.9	14.0	16.9	14.0
80°	11.2	11.2	11.2	8.4	11.2	11.2	14.0	11.2	11.2	8.4	14.0
82.5°	5.7	5.7	5.7	0.0	2.8	5.7	5.7	2.8	5.7	5.7	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: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSWOH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1
2.5°	5816.7	5813.9	5816.7	5819.5	5816.7	5813.9	5816.7	5819.5	5808.2	5805.5	5811.0
5°	5940.3	5940.3	5945.8	5948.7	5945.8	5940.3	5940.3	5929.0	5920.6	5912.2	5909.4
7.5°	6047.0	6052.6	6058.2	6060.9	6058.2	6052.6	6047.0	6030.1	6013.2	5999.2	5988.0
10°	6111.6	6120.0	6131.2	6136.8	6131.2	6120.0	6111.6	6091.9	6069.4	6047.0	6030.1
12.5°	6139.7	6148.1	6162.1	6159.3	6162.1	6148.1	6139.7	6111.6	6086.3	6055.4	6030.1
15°	6120.0	6131.2	6145.2	6150.9	6145.2	6131.2	6120.0	6091.9	6069.4	6035.7	6010.4
17.5°	6058.2	6075.1	6083.5	6091.9	6083.5	6075.1	6058.2	6035.7	6004.9	5976.8	5951.5
20°	5973.9	5985.2	5996.4	5999.2	5996.4	5985.2	5973.9	5948.7	5901.0	5895.3	5875.6
22.5°	5853.2	5861.6	5886.8	5878.4	5886.8	5861.6	5853.2	5830.7	5813.9	5782.9	5763.3
25°	5679.0	5687.4	5690.3	5693.1	5690.3	5687.4	5679.0	5659.3	5642.6	5620.0	5608.8
27.5°	5378.5	5378.5	5384.1	5387.0	5384.1	5378.5	5378.5	5364.4	5353.2	5342.0	5330.8
30°	4923.5	4923.5	4923.5	4937.6	4923.5	4923.5	4923.5	4920.7	4920.7	4923.5	4923.5
32.5°	4398.3	4392.7	4387.1	4392.7	4387.1	4392.7	4398.3	4401.1	4398.3	4406.8	4420.7
35°	3802.8	3800.1	3808.5	3797.3	3808.5	3800.1	3802.8	3802.8	3814.2	3825.4	3828.2
37.5°	3232.7	3227.1	3238.3	3227.1	3238.3	3227.1	3232.7	3229.9	3227.1	3232.7	3224.3
40°	2690.7	2696.3	2696.3	2718.8	2696.3	2696.3	2690.7	2685.0	2665.4	2654.2	2643.0
42.5°	2171.1	2187.9	2182.3	2199.2	2182.3	2187.9	2171.1	2159.9	2137.3	2117.7	2100.9
45°	1679.5	1690.8	1690.8	1696.4	1690.8	1690.8	1679.5	1668.3	1648.6	1631.8	1620.6
47.5°	1289.1	1289.1	1289.1	1292.0	1289.1	1289.1	1289.1	1269.5	1263.9	1252.7	1238.6
50°	980.2	983.0	985.9	988.7	985.9	983.0	980.2	974.6	971.8	966.1	963.3
52.5°	752.7	755.5	749.9	755.5	749.9	755.5	752.7	755.5	747.0	747.0	744.3
55°	570.2	567.4	570.2	572.9	570.2	567.4	570.2	570.2	567.4	567.4	567.4
57.5°	418.5	412.8	412.8	412.8	412.8	412.8	418.5	415.7	424.2	418.5	421.3
60°	311.8	314.6	314.6	317.3	314.6	314.6	311.8	317.3	317.3	320.2	320.2
62.5°	230.3	238.7	233.1	238.7	233.1	238.7	230.3	233.1	233.1	236.0	238.7
65°	148.9	148.9	148.9	151.7	148.9	148.9	148.9	151.7	154.4	151.7	160.1
67.5°	101.2	103.9	109.6	106.7	109.6	103.9	101.2	103.9	103.9	112.4	109.6
70°	81.5	73.1	73.1	81.5	73.1	73.1	81.5	75.8	73.1	78.6	75.8
72.5°	47.7	42.1	47.7	47.7	47.7	42.1	47.7	42.1	45.0	45.0	50.5
75°	25.3	22.4	19.7	28.1	19.7	22.4	25.3	25.3	25.3	25.3	28.1
77.5°	16.9	14.0	19.7	19.7	19.7	14.0	16.9	14.0	16.9	14.0	16.9
80°	8.4	11.2	8.4	14.0	8.4	11.2	8.4	14.0	8.4	11.2	11.2
82.5°	2.8	5.7	5.7	5.7	5.7	5.7	2.8	2.8	5.7	5.7	2.8
85°	0.0	5.7	2.8	2.8	2.8	5.7	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: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSWOH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1
2.5°	5811.0	5802.6	5805.5	5788.6	5788.6	5782.9	5785.8	5771.7	5766.2	5760.5	5768.9
5°	5895.3	5881.3	5870.0	5844.8	5830.7	5813.9	5805.5	5782.9	5763.3	5746.4	5743.6
7.5°	5962.7	5931.8	5912.2	5878.4	5853.2	5833.6	5805.5	5774.5	5749.3	5726.7	5710.0
10°	5990.8	5959.9	5929.0	5886.8	5858.8	5822.2	5794.1	5754.8	5721.2	5690.3	5670.6
12.5°	5993.6	5954.2	5926.2	5878.4	5841.9	5802.6	5771.7	5726.7	5687.4	5656.6	5625.7
15°	5968.3	5931.8	5898.1	5847.5	5811.0	5774.5	5738.1	5690.3	5653.8	5617.3	5594.8
17.5°	5912.2	5878.4	5839.1	5791.4	5757.7	5724.0	5684.7	5645.3	5603.2	5563.8	5535.8
20°	5839.1	5802.6	5768.9	5721.2	5693.1	5656.6	5620.0	5578.0	5544.2	5504.9	5474.0
22.5°	5729.6	5695.9	5665.0	5636.9	5591.9	5563.8	5538.6	5490.9	5457.1	5420.6	5387.0
25°	5572.3	5538.6	5513.3	5479.6	5459.9	5429.1	5403.7	5361.7	5330.8	5297.0	5268.9
27.5°	5313.9	5294.3	5280.2	5260.5	5243.7	5229.6	5215.6	5181.9	5159.5	5128.6	5100.5
30°	4926.3	4923.5	4915.1	4906.6	4917.8	4917.8	4917.8	4912.3	4892.6	4870.1	4850.4
32.5°	4429.2	4434.8	4446.1	4454.5	4476.9	4502.2	4524.7	4535.9	4535.9	4521.9	4513.5
35°	3836.6	3845.0	3861.9	3884.3	3912.4	3943.3	3993.8	4005.1	4013.5	4013.5	4002.3
37.5°	3221.5	3218.7	3235.6	3255.2	3272.1	3294.5	3331.0	3339.5	3353.5	3347.9	3336.6
40°	2623.2	2609.2	2603.5	2609.2	2628.9	2620.4	2628.9	2623.2	2623.2	2603.5	2603.5
42.5°	2069.9	2053.1	2041.8	2033.5	2033.5	2013.7	1999.7	1985.8	1977.3	1963.2	1960.4
45°	1595.4	1575.6	1561.6	1555.9	1547.6	1522.3	1505.4	1488.5	1468.9	1463.3	1466.1
47.5°	1238.6	1218.9	1213.3	1199.3	1185.2	1171.2	1160.0	1140.3	1137.4	1126.2	1137.4
50°	954.9	949.3	940.9	935.2	926.8	915.6	904.4	893.2	887.5	887.5	890.3
52.5°	741.5	744.3	735.8	727.4	721.8	721.8	707.7	705.0	705.0	693.7	705.0
55°	567.4	564.5	567.4	561.7	561.7	553.3	553.3	544.8	544.8	536.4	542.1
57.5°	415.7	421.3	415.7	418.5	424.2	415.7	412.8	404.4	410.1	404.4	407.3
60°	323.0	323.0	323.0	320.2	320.2	317.3	317.3	314.6	314.6	308.9	314.6
62.5°	238.7	241.5	241.5	241.5	244.4	241.5	238.7	241.5	238.7	238.7	241.5
65°	157.3	160.1	160.1	157.3	162.9	157.3	160.1	162.9	165.7	162.9	165.7
67.5°	106.7	106.7	109.6	112.4	109.6	112.4	115.1	112.4	115.1	120.8	115.1
70°	78.6	81.5	81.5	78.6	75.8	78.6	75.8	84.3	84.3	84.3	89.8
72.5°	50.5	50.5	47.7	47.7	47.7	47.7	47.7	56.2	50.5	47.7	53.4
75°	28.1	30.9	30.9	22.4	25.3	30.9	22.4	25.3	33.8	28.1	33.8
77.5°	16.9	16.9	16.9	16.9	16.9	16.9	22.4	19.7	19.7	19.7	22.4
80°	14.0	11.2	11.2	8.4	11.2	11.2	11.2	16.9	14.0	14.0	16.9
82.5°	5.7	5.7	2.8	0.0	5.7	5.7	5.7	5.7	5.7	5.7	11.2
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	5.7	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: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSWOH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1
2.5°	5746.4	5746.4	5743.6	5738.1	5726.7	5726.7	5724.0	5715.5	5710.0	5707.1	5707.1
5°	5718.3	5707.1	5695.9	5665.0	5665.0	5659.3	5642.6	5631.2	5625.7	5611.6	5606.0
7.5°	5693.1	5659.3	5639.7	5620.0	5594.8	5583.5	5563.8	5555.4	5535.8	5521.8	5513.3
10°	5631.2	5608.8	5583.5	5552.6	5533.0	5510.6	5488.0	5471.2	5445.9	5431.8	5420.6
12.5°	5589.2	5555.4	5533.0	5499.2	5465.6	5445.9	5415.1	5395.4	5370.1	5342.0	5325.1
15°	5549.9	5513.3	5482.5	5445.9	5409.4	5387.0	5350.4	5328.0	5291.5	5263.4	5243.7
17.5°	5490.9	5459.9	5426.3	5381.3	5347.7	5319.6	5280.2	5252.2	5218.4	5181.9	5162.2
20°	5429.1	5392.5	5358.9	5313.9	5280.2	5246.5	5207.2	5176.3	5136.9	5103.3	5080.8
22.5°	5347.7	5305.5	5277.4	5232.4	5193.1	5156.7	5120.2	5083.6	5047.1	5019.0	4993.7
25°	5229.6	5184.7	5153.8	5117.3	5080.8	5052.8	5007.8	4985.4	4948.8	4923.5	4898.2
27.5°	5061.1	5027.4	4999.3	4962.8	4931.9	4909.5	4875.8	4853.3	4822.4	4799.9	4780.3
30°	4814.0	4785.9	4760.6	4724.1	4701.7	4682.0	4651.0	4631.4	4608.9	4583.6	4578.1
32.5°	4482.6	4460.0	4434.8	4409.5	4392.7	4381.4	4356.1	4344.9	4322.5	4308.4	4294.4
35°	3982.6	3962.9	3949.0	3937.7	3932.1	3934.9	3929.3	3940.5	3946.1	3943.3	3946.1
37.5°	3328.3	3316.9	3322.6	3331.0	3359.1	3395.7	3429.3	3479.8	3513.6	3547.3	3578.2
40°	2598.0	2606.4	2628.9	2679.4	2752.4	2833.9	2909.8	3005.3	3100.8	3168.2	3229.9
42.5°	1960.4	1985.8	2041.8	2114.9	2224.5	2345.2	2463.2	2603.5	2718.8	2831.1	2909.8
45°	1474.5	1508.2	1581.2	1682.4	1803.1	1943.6	2092.5	2249.7	2387.4	2502.5	2589.6
47.5°	1148.8	1179.6	1252.7	1359.4	1508.2	1654.3	1808.8	1971.6	2114.9	2227.2	2303.1
50°	907.2	946.5	1011.1	1123.5	1272.4	1426.8	1586.9	1746.9	1881.8	1977.3	2044.7
52.5°	713.4	749.9	811.7	929.7	1081.4	1235.8	1384.6	1541.9	1659.9	1752.6	1797.5
55°	553.3	587.0	651.6	749.9	893.2	1044.8	1193.6	1328.5	1438.0	1505.4	1547.6
57.5°	421.3	446.6	491.6	589.8	719.1	859.4	985.9	1120.7	1205.0	1252.7	1280.7
60°	320.2	339.9	387.6	463.5	581.4	702.2	808.9	910.0	977.4	1016.7	1044.8
62.5°	241.5	264.0	297.7	362.3	452.1	550.5	640.3	716.2	772.4	797.7	817.3
65°	165.7	182.5	207.9	258.4	334.2	404.4	474.7	530.9	567.4	595.5	606.7
67.5°	123.6	134.8	148.9	188.2	241.5	297.7	345.4	384.7	424.2	435.4	455.0
70°	92.7	101.2	115.1	143.2	174.1	213.4	252.8	275.3	303.3	323.0	328.7
72.5°	59.0	61.7	75.8	92.7	117.9	143.2	168.6	188.2	205.1	216.3	221.8
75°	33.8	50.5	50.5	67.4	84.3	95.5	112.4	126.4	134.8	143.2	143.2
77.5°	22.4	30.9	33.8	42.1	50.5	64.6	78.6	87.1	95.5	98.3	98.3
80°	19.7	22.4	22.4	30.9	36.5	47.7	56.2	59.0	64.6	67.4	73.1
82.5°	8.4	11.2	14.0	22.4	25.3	25.3	33.8	36.5	42.1	45.0	45.0
85°	2.8	5.7	5.7	8.4	14.0	16.9	19.7	22.4	25.3	25.3	28.1
87.5°	2.8	2.8	0.0	2.8	5.7	5.7	11.2	11.2	11.2	16.9	16.9
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: P248618

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1	5752.1
2.5°	5701.5	5704.3	5693.1	5690.3	5684.7	5687.4	5693.1
5°	5597.6	5600.4	5589.2	5578.0	5578.0	5575.1	5578.0
7.5°	5499.2	5502.1	5485.2	5479.6	5468.4	5471.2	5471.2
10°	5401.0	5401.0	5375.8	5372.9	5364.4	5361.7	5361.7
12.5°	5305.5	5297.0	5277.4	5266.2	5271.8	5255.0	5255.0
15°	5221.2	5207.2	5181.9	5173.4	5159.5	5153.8	5153.8
17.5°	5134.1	5122.9	5100.5	5083.6	5066.7	5064.0	5066.7
20°	5049.9	5038.7	5010.6	4999.3	4985.4	4985.4	4979.7
22.5°	4965.6	4954.4	4929.2	4920.7	4901.1	4901.1	4903.9
25°	4878.5	4870.1	4842.0	4836.5	4833.7	4822.4	4828.0
27.5°	4760.6	4755.0	4732.5	4724.1	4712.9	4710.1	4715.7
30°	4544.3	4535.9	4519.1	4510.7	4491.0	4493.8	4499.4
32.5°	4274.7	4263.5	4241.0	4232.5	4215.8	4210.1	4212.9
35°	3937.7	3929.3	3909.7	3909.7	3892.8	3887.1	3892.8
37.5°	3595.1	3603.4	3595.1	3603.4	3595.1	3592.2	3595.1
40°	3272.1	3303.0	3308.5	3339.5	3328.3	3345.0	3342.3
42.5°	2963.1	3013.6	3033.4	3058.6	3053.0	3064.2	3072.7
45°	2651.3	2693.5	2713.1	2730.0	2732.8	2738.5	2741.2
47.5°	2356.4	2390.1	2392.9	2412.6	2409.8	2409.8	2418.2
50°	2081.2	2103.7	2109.2	2123.3	2112.1	2106.4	2109.2
52.5°	1825.6	1848.1	1842.4	1848.1	1834.1	1828.4	1831.2
55°	1564.4	1575.6	1575.6	1575.6	1558.8	1558.8	1558.8
57.5°	1297.6	1300.4	1294.8	1297.6	1294.8	1277.9	1275.1
60°	1053.3	1053.3	1050.4	1053.3	1044.8	1036.4	1036.4
62.5°	822.9	828.5	839.8	828.5	822.9	828.5	820.1
65°	615.1	626.3	623.5	629.1	626.3	626.3	620.7
67.5°	463.5	466.2	469.0	471.9	471.9	471.9	471.9
70°	339.9	348.3	345.4	345.4	345.4	345.4	362.3
72.5°	227.5	238.7	236.0	241.5	241.5	247.2	241.5
75°	154.4	165.7	160.1	168.6	165.7	160.1	174.1
77.5°	103.9	109.6	112.4	115.1	112.4	109.6	112.4
80°	73.1	78.6	75.8	78.6	78.6	78.6	81.5
82.5°	45.0	53.4	50.5	53.4	50.5	53.4	53.4
85°	30.9	33.8	28.1	33.8	30.9	30.9	36.5
87.5°	19.7	16.9	16.9	19.7	16.9	19.7	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)