

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: P248561

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248561
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: LSR8B70D010 EC8B70835 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7529.0 lumens
Efficiency: N/A
Efficacy: 99.2 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

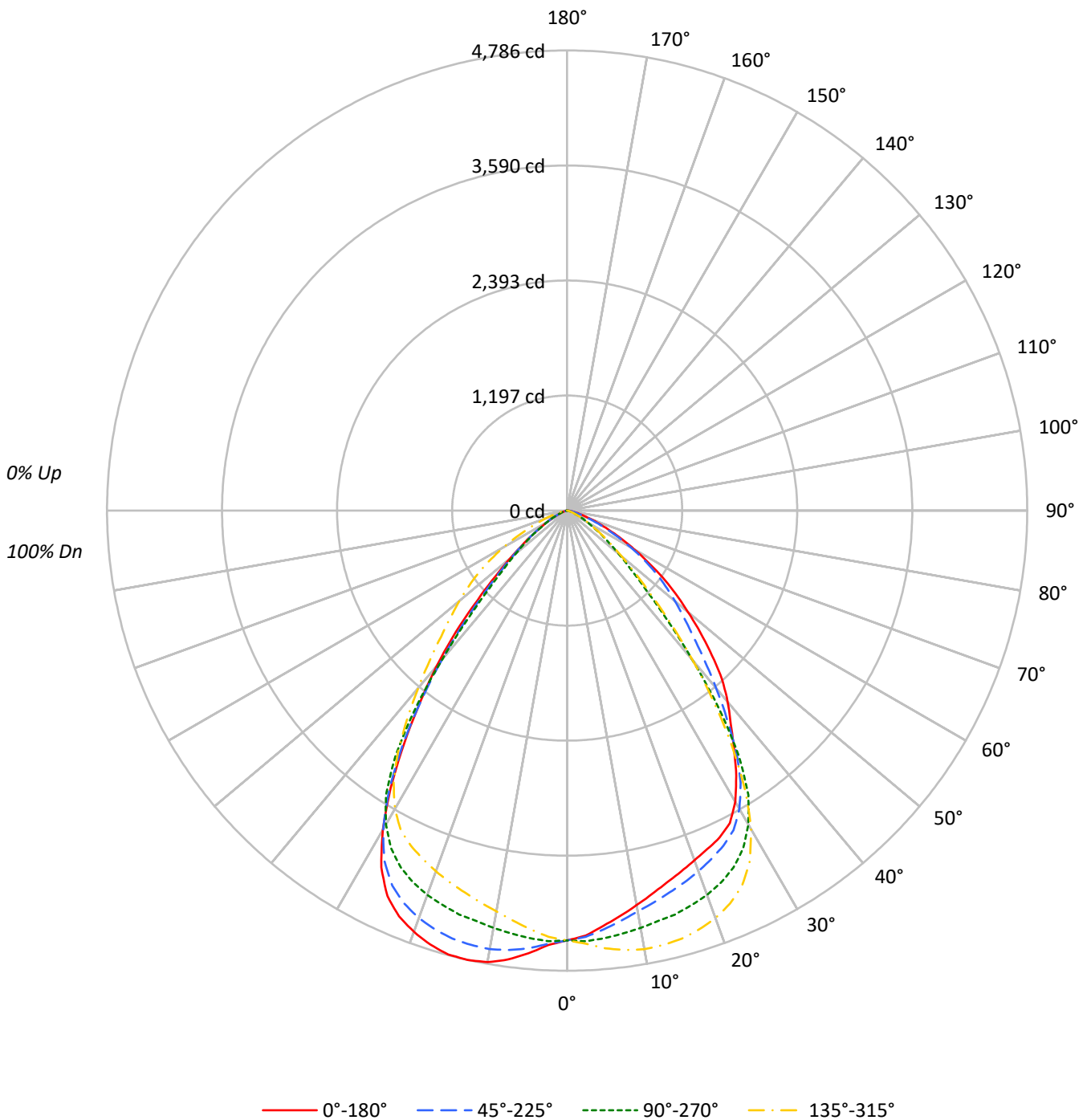
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	137829	137829	137829	137829
5°	134167	138154	143085	138154
10°	130458	137973	149318	137973
15°	127850	138793	152588	138793
20°	126982	139587	152978	139587
25°	127648	139305	150519	139305
30°	124492	134205	136619	134205
35°	113870	117073	111077	117073
40°	104548	81438	85045	81438
45°	92892	49684	57486	49684
50°	78627	33188	36857	33188
55°	65121	22644	23935	22644
60°	49671	15073	15208	15073
65°	35191	9391	8603	9391
70°	25380	6293	5707	6293
75°	16120	3122	2597	3122
80°	11241	2326	1936	2326
85°	10048	0	778	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.4	5.7
10°-20°	1232.0	16.4
20°-30°	1865.5	24.8
30°-40°	1869.7	24.8
40°-50°	1174.1	15.6
50°-60°	625.6	8.3
60°-70°	257.3	3.4
70°-80°	68.0	0.9
80°-90°	11.5	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°	3522.9	46.8
0°-40°	5392.6	71.6
0°-60°	7192.3	95.5
0°-90°	7529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7529.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4470	4470	4470	4470	4470	
5°	4334	4463	4622	4463	4334	409
15°	4005	4348	4780	4348	4005	1133
25°	3752	4094	4424	4094	3752	1721
35°	3025	3110	2951	3110	3025	1895
45°	2130	1139	1318	1139	2130	1638
55°	1211	421	445	421	1211	1080
65°	482	129	118	129	482	500
75°	135	26	22	26	135	153
85°	28	0	2	0	28	31
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°	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7
2.5°	4423.9	4419.5	4417.4	4421.8	4423.9	4432.6	4430.5	4434.8	4434.8	4437.0	4441.3
5°	4334.4	4332.2	4334.4	4334.4	4343.2	4351.9	4349.7	4356.3	4360.6	4371.5	4375.9
7.5°	4251.5	4251.5	4249.3	4258.0	4262.4	4275.5	4273.3	4284.2	4290.8	4301.7	4316.9
10°	4166.4	4166.4	4168.5	4175.1	4177.3	4196.9	4196.9	4212.2	4220.9	4231.9	4251.5
12.5°	4083.4	4083.4	4096.6	4092.2	4100.9	4116.1	4122.7	4138.0	4151.1	4172.9	4192.6
15°	4004.8	4004.8	4009.2	4020.1	4026.7	4046.3	4057.2	4074.7	4090.0	4111.8	4140.2
17.5°	3937.2	3935.0	3937.2	3950.3	3963.4	3980.9	3989.6	4011.4	4026.7	4055.1	4081.3
20°	3869.6	3874.0	3874.0	3884.8	3893.5	3915.4	3924.1	3948.2	3965.6	3991.7	4022.4
22.5°	3810.6	3808.5	3808.5	3823.7	3830.3	3849.9	3858.6	3880.4	3900.1	3921.9	3950.3
25°	3751.7	3747.3	3756.1	3758.3	3762.6	3784.4	3791.0	3806.2	3825.9	3845.6	3874.0
27.5°	3664.4	3660.1	3662.2	3670.9	3677.5	3694.9	3699.3	3714.6	3729.9	3747.3	3771.4
30°	3496.3	3492.0	3489.8	3505.1	3511.7	3524.7	3531.2	3557.5	3561.8	3581.5	3598.9
32.5°	3273.7	3271.5	3275.9	3289.0	3295.5	3313.0	3321.8	3337.0	3347.9	3358.9	3376.3
35°	3024.9	3020.5	3024.9	3038.1	3038.1	3053.3	3059.9	3066.4	3064.2	3066.4	3062.0
37.5°	2793.6	2791.4	2793.6	2800.1	2793.6	2800.1	2793.6	2780.5	2756.5	2730.3	2704.1
40°	2597.2	2599.3	2586.3	2595.0	2570.9	2566.6	2542.6	2509.8	2461.9	2409.5	2335.3
42.5°	2387.7	2381.1	2372.4	2376.7	2357.1	2341.8	2302.5	2261.1	2199.9	2112.7	2023.1
45°	2130.1	2128.0	2123.6	2121.4	2108.3	2093.0	2060.2	2012.3	1944.6	1855.1	1748.1
47.5°	1879.1	1872.6	1872.6	1874.7	1859.5	1857.3	1831.1	1789.7	1730.7	1643.4	1532.1
50°	1639.0	1636.8	1641.2	1650.0	1639.0	1634.7	1617.3	1588.9	1536.5	1462.3	1357.5
52.5°	1423.0	1420.8	1425.2	1436.1	1431.7	1436.1	1418.6	1396.8	1361.9	1289.8	1198.2
55°	1211.3	1211.3	1211.3	1224.3	1224.3	1224.3	1215.6	1202.6	1169.8	1117.4	1032.4
57.5°	990.9	993.0	1006.1	1008.3	1006.1	1010.5	1008.3	995.2	973.4	936.3	870.8
60°	805.4	805.4	811.9	818.5	816.2	818.5	818.5	811.9	790.1	759.5	707.2
62.5°	637.3	643.8	639.4	643.8	652.5	643.8	639.4	635.1	619.8	600.2	556.5
65°	482.3	486.7	486.7	488.9	484.5	486.7	478.0	471.4	462.7	440.9	412.5
67.5°	366.7	366.7	366.7	366.7	364.5	362.3	360.1	353.6	338.3	329.6	299.0
70°	281.5	268.4	268.4	268.4	268.4	270.7	264.1	255.4	251.0	235.7	213.9
72.5°	187.7	192.1	187.7	187.7	183.3	185.5	176.8	172.4	168.1	159.4	146.2
75°	135.3	124.4	128.7	131.0	124.4	128.7	120.0	111.3	111.3	104.7	98.2
77.5°	87.3	85.2	87.3	89.5	87.3	85.2	80.8	76.4	76.4	74.2	67.6
80°	63.3	61.1	61.1	61.1	58.9	61.1	56.8	56.8	52.4	50.2	45.8
82.5°	41.5	41.5	39.3	41.5	39.3	41.5	34.9	34.9	34.9	32.7	28.4
85°	28.4	24.0	24.0	26.2	21.8	26.2	24.0	21.8	19.7	19.7	17.4
87.5°	13.1	15.3	13.1	15.3	13.1	13.1	15.3	13.1	13.1	8.7	8.7
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°	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7
2.5°	4447.9	4450.1	4450.1	4458.9	4463.2	4465.3	4465.3	4482.8	4476.3	4480.7	4485.0
5°	4384.7	4397.7	4402.1	4402.1	4426.1	4434.8	4443.5	4463.2	4465.3	4478.4	4493.7
7.5°	4323.5	4338.8	4347.6	4367.1	4382.4	4397.7	4423.9	4437.0	4450.1	4467.6	4487.2
10°	4264.6	4282.1	4299.5	4314.8	4338.8	4358.4	4375.9	4406.4	4421.8	4445.7	4471.9
12.5°	4207.9	4231.9	4247.1	4273.3	4299.5	4316.9	4343.2	4371.5	4395.5	4419.5	4450.1
15°	4157.6	4186.0	4203.5	4231.9	4260.2	4284.2	4312.6	4347.6	4365.0	4393.4	4421.8
17.5°	4103.0	4133.7	4155.5	4181.6	4216.6	4242.7	4266.8	4301.7	4323.5	4354.0	4386.8
20°	4046.3	4076.9	4103.0	4129.3	4164.2	4190.3	4218.7	4253.7	4277.7	4308.2	4334.4
22.5°	3978.7	4007.1	4035.4	4065.9	4100.9	4122.7	4155.5	4186.0	4212.2	4240.6	4266.8
25°	3891.4	3926.3	3948.2	3976.5	4004.8	4028.8	4063.8	4094.3	4116.1	4142.4	4166.4
27.5°	3788.8	3815.0	3832.5	3856.4	3884.8	3906.7	3932.8	3963.4	3985.3	4009.2	4026.7
30°	3614.2	3638.2	3653.5	3670.9	3699.3	3719.0	3740.8	3769.1	3784.4	3801.9	3817.2
32.5°	3385.0	3404.7	3413.4	3426.5	3446.2	3465.8	3483.3	3507.3	3513.8	3524.7	3524.7
35°	3053.3	3057.6	3055.5	3059.9	3068.6	3079.5	3094.7	3110.0	3118.7	3118.7	3112.3
37.5°	2664.8	2638.7	2610.3	2588.4	2581.9	2577.5	2586.3	2592.8	2601.6	2605.9	2595.0
40°	2261.1	2202.2	2138.8	2082.1	2042.8	2025.4	2018.8	2023.1	2023.1	2038.4	2038.4
42.5°	1914.1	1822.4	1728.6	1643.4	1586.6	1543.1	1523.4	1523.4	1525.5	1536.5	1543.1
45°	1626.0	1510.3	1401.1	1307.3	1228.7	1172.0	1145.8	1139.3	1137.1	1141.4	1156.7
47.5°	1405.5	1285.5	1172.0	1056.3	973.4	916.7	892.7	883.9	875.2	883.9	886.1
50°	1233.1	1108.7	988.7	873.0	785.7	735.5	704.9	691.8	689.6	689.6	694.0
52.5°	1075.9	960.3	840.3	722.4	630.7	582.7	554.4	547.8	539.1	547.8	547.8
55°	927.5	811.9	694.0	582.7	506.3	456.2	429.9	421.2	416.8	423.4	423.4
57.5°	766.1	667.8	558.8	458.3	382.0	347.0	327.4	316.5	314.2	318.6	314.2
60°	628.6	545.6	451.8	360.1	301.2	264.1	248.8	244.4	240.0	244.4	244.4
62.5°	497.6	427.8	351.3	281.5	231.3	205.2	187.7	187.7	185.5	185.5	187.7
65°	368.9	314.2	259.7	200.8	161.5	141.8	128.7	128.7	126.6	128.7	126.6
67.5°	268.4	231.3	187.7	146.2	115.7	104.7	96.0	89.5	93.9	89.5	87.3
70°	196.5	165.8	135.3	111.3	89.5	78.6	72.0	69.8	65.5	65.5	65.5
72.5°	131.0	111.3	91.6	72.0	58.9	48.0	45.8	41.5	37.1	39.3	43.7
75°	87.3	74.2	65.5	52.4	39.3	39.3	26.2	26.2	21.8	26.2	19.7
77.5°	61.1	50.2	39.3	32.7	26.2	24.0	17.4	17.4	15.3	15.3	15.3
80°	43.7	37.1	28.4	24.0	17.4	17.4	15.3	13.1	10.9	10.9	13.1
82.5°	26.2	19.7	19.7	17.4	10.9	8.7	6.6	8.7	4.4	4.4	4.4
85°	15.3	13.1	10.9	6.6	4.4	4.4	2.2	0.0	2.2	2.2	0.0
87.5°	8.7	4.4	4.4	2.2	0.0	2.2	2.2	0.0	0.0	0.0	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7
2.5°	4496.0	4493.7	4498.1	4498.1	4511.2	4509.0	4515.5	4515.5	4511.2	4513.4	4522.1
5°	4511.2	4517.8	4530.8	4541.8	4561.4	4570.2	4581.0	4592.0	4594.1	4600.7	4607.3
7.5°	4511.2	4533.1	4548.3	4567.9	4594.1	4609.4	4633.4	4653.1	4661.8	4672.7	4685.8
10°	4502.4	4524.3	4552.6	4574.5	4607.3	4631.2	4655.2	4685.8	4698.9	4716.3	4733.8
12.5°	4485.0	4509.0	4539.5	4567.9	4605.0	4626.8	4657.4	4685.8	4705.5	4729.4	4749.1
15°	4458.9	4487.2	4515.5	4543.9	4583.2	4609.4	4637.8	4670.5	4690.2	4716.3	4733.8
17.5°	4417.4	4447.9	4474.1	4500.3	4537.4	4567.9	4594.1	4624.7	4644.4	4666.2	4690.2
20°	4367.1	4395.5	4423.9	4445.7	4482.8	4509.0	4537.4	4565.8	4581.0	4585.4	4622.5
22.5°	4303.9	4323.5	4345.3	4380.3	4402.1	4426.1	4452.3	4478.4	4493.7	4517.8	4530.8
25°	4199.1	4218.7	4242.7	4258.0	4284.2	4303.9	4330.0	4358.4	4367.1	4384.7	4397.7
27.5°	4052.9	4063.8	4074.7	4087.8	4103.0	4114.0	4129.3	4142.4	4151.1	4159.8	4168.5
30°	3821.5	3821.5	3821.5	3812.8	3819.3	3825.9	3828.1	3825.9	3825.9	3823.7	3823.7
32.5°	3516.0	3498.5	3478.9	3461.4	3454.9	3446.2	3441.8	3435.2	3424.3	3417.8	3419.9
35°	3103.5	3064.2	3040.2	3018.4	3001.0	2987.8	2981.3	2974.7	2972.6	2963.9	2955.1
37.5°	2588.4	2560.1	2542.6	2529.5	2514.2	2501.1	2503.3	2505.5	2512.0	2507.7	2509.8
40°	2042.8	2036.2	2042.8	2027.5	2023.1	2027.5	2038.4	2053.8	2062.5	2071.2	2086.5
42.5°	1553.9	1564.8	1580.2	1580.2	1586.6	1595.4	1608.5	1632.5	1645.6	1660.8	1678.3
45°	1169.8	1182.9	1202.6	1209.1	1213.5	1224.3	1239.7	1259.3	1268.0	1281.1	1296.4
47.5°	901.4	910.1	921.0	931.9	942.8	947.2	962.5	962.5	973.4	982.1	986.5
50°	702.8	711.5	720.2	726.7	731.2	737.7	742.0	748.6	750.7	755.1	757.3
52.5°	550.0	560.9	560.9	565.2	571.8	578.3	576.2	578.3	580.5	580.5	587.1
55°	429.9	429.9	436.5	436.5	440.9	438.7	440.9	440.9	440.9	440.9	443.1
57.5°	320.8	323.0	329.6	325.2	323.0	327.4	323.0	327.4	325.2	329.6	323.0
60°	246.6	246.6	248.8	248.8	251.0	251.0	251.0	248.8	248.8	246.6	246.6
62.5°	185.5	187.7	189.9	187.7	187.7	187.7	185.5	185.5	183.3	181.1	181.1
65°	124.4	122.3	126.6	122.3	124.4	124.4	122.3	124.4	117.9	120.0	117.9
67.5°	89.5	87.3	85.2	87.3	85.2	82.9	82.9	85.2	87.3	80.8	80.8
70°	58.9	61.1	58.9	61.1	63.3	63.3	61.1	58.9	61.1	56.8	58.9
72.5°	37.1	37.1	37.1	37.1	37.1	39.3	39.3	39.3	34.9	34.9	32.7
75°	17.4	24.0	19.7	17.4	24.0	24.0	21.8	21.8	19.7	19.7	19.7
77.5°	17.4	13.1	13.1	13.1	13.1	13.1	13.1	13.1	10.9	13.1	10.9
80°	8.7	8.7	8.7	6.6	8.7	8.7	10.9	8.7	8.7	6.6	10.9
82.5°	4.4	4.4	4.4	0.0	2.2	4.4	4.4	2.2	4.4	4.4	2.2
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: P248561

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7
2.5°	4519.9	4517.8	4519.9	4522.1	4519.9	4517.8	4519.9	4522.1	4513.4	4511.2	4515.5
5°	4616.0	4616.0	4620.3	4622.5	4620.3	4616.0	4616.0	4607.3	4600.7	4594.1	4592.0
7.5°	4698.9	4703.3	4707.6	4709.8	4707.6	4703.3	4698.9	4685.8	4672.7	4661.8	4653.1
10°	4749.1	4755.7	4764.4	4768.7	4764.4	4755.7	4749.1	4733.8	4716.3	4698.9	4685.8
12.5°	4770.9	4777.5	4788.4	4786.2	4788.4	4777.5	4770.9	4749.1	4729.4	4705.5	4685.8
15°	4755.7	4764.4	4775.3	4779.7	4775.3	4764.4	4755.7	4733.8	4716.3	4690.2	4670.5
17.5°	4707.6	4720.7	4727.3	4733.8	4727.3	4720.7	4707.6	4690.2	4666.2	4644.4	4624.7
20°	4642.1	4650.9	4659.6	4661.8	4659.6	4650.9	4642.1	4622.5	4585.4	4581.0	4565.8
22.5°	4548.3	4554.9	4574.5	4567.9	4574.5	4554.9	4548.3	4530.8	4517.8	4493.7	4478.4
25°	4413.0	4419.5	4421.8	4423.9	4421.8	4419.5	4413.0	4397.7	4384.7	4367.1	4358.4
27.5°	4179.5	4179.5	4183.8	4186.0	4183.8	4179.5	4179.5	4168.5	4159.8	4151.1	4142.4
30°	3825.9	3825.9	3825.9	3836.9	3825.9	3825.9	3825.9	3823.7	3823.7	3825.9	3825.9
32.5°	3417.8	3413.4	3409.1	3413.4	3409.1	3413.4	3417.8	3419.9	3417.8	3424.3	3435.2
35°	2955.1	2952.9	2959.5	2950.7	2959.5	2952.9	2955.1	2955.1	2963.9	2972.6	2974.7
37.5°	2512.0	2507.7	2516.4	2507.7	2516.4	2507.7	2512.0	2509.8	2507.7	2512.0	2505.5
40°	2090.9	2095.2	2095.2	2112.7	2095.2	2095.2	2090.9	2086.5	2071.2	2062.5	2053.8
42.5°	1687.1	1700.2	1695.8	1708.9	1695.8	1700.2	1687.1	1678.3	1660.8	1645.6	1632.5
45°	1305.1	1313.9	1313.9	1318.2	1313.9	1313.9	1305.1	1296.4	1281.1	1268.0	1259.3
47.5°	1001.7	1001.7	1001.7	1004.0	1001.7	1001.7	1001.7	986.5	982.1	973.4	962.5
50°	761.7	763.8	766.1	768.3	766.1	763.8	761.7	757.3	755.1	750.7	748.6
52.5°	584.9	587.1	582.7	587.1	582.7	587.1	584.9	587.1	580.5	580.5	578.3
55°	443.1	440.9	443.1	445.2	443.1	440.9	443.1	443.1	440.9	440.9	440.9
57.5°	325.2	320.8	320.8	320.8	320.8	320.8	325.2	323.0	329.6	325.2	327.4
60°	242.3	244.4	244.4	246.6	244.4	244.4	242.3	246.6	246.6	248.8	248.8
62.5°	178.9	185.5	181.1	185.5	181.1	185.5	178.9	181.1	181.1	183.3	185.5
65°	115.7	115.7	115.7	117.9	115.7	115.7	115.7	117.9	120.0	117.9	124.4
67.5°	78.6	80.8	85.2	82.9	85.2	80.8	78.6	80.8	80.8	87.3	85.2
70°	63.3	56.8	56.8	63.3	56.8	56.8	63.3	58.9	56.8	61.1	58.9
72.5°	37.1	32.7	37.1	37.1	37.1	32.7	37.1	32.7	34.9	34.9	39.3
75°	19.7	17.4	15.3	21.8	15.3	17.4	19.7	19.7	19.7	19.7	21.8
77.5°	13.1	10.9	15.3	15.3	15.3	10.9	13.1	10.9	13.1	10.9	13.1
80°	6.6	8.7	6.6	10.9	6.6	8.7	6.6	10.9	6.6	8.7	8.7
82.5°	2.2	4.4	4.4	4.4	4.4	4.4	2.2	2.2	4.4	4.4	2.2
85°	0.0	4.4	2.2	2.2	2.2	4.4	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.0	0.0	2.2	0.0	0.0	2.2	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: P248561

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7
2.5°	4515.5	4509.0	4511.2	4498.1	4498.1	4493.7	4496.0	4485.0	4480.7	4476.3	4482.8
5°	4581.0	4570.2	4561.4	4541.8	4530.8	4517.8	4511.2	4493.7	4478.4	4465.3	4463.2
7.5°	4633.4	4609.4	4594.1	4567.9	4548.3	4533.1	4511.2	4487.2	4467.6	4450.1	4437.0
10°	4655.2	4631.2	4607.3	4574.5	4552.6	4524.3	4502.4	4471.9	4445.7	4421.8	4406.4
12.5°	4657.4	4626.8	4605.0	4567.9	4539.5	4509.0	4485.0	4450.1	4419.5	4395.5	4371.5
15°	4637.8	4609.4	4583.2	4543.9	4515.5	4487.2	4458.9	4421.8	4393.4	4365.0	4347.6
17.5°	4594.1	4567.9	4537.4	4500.3	4474.1	4447.9	4417.4	4386.8	4354.0	4323.5	4301.7
20°	4537.4	4509.0	4482.8	4445.7	4423.9	4395.5	4367.1	4334.4	4308.2	4277.7	4253.7
22.5°	4452.3	4426.1	4402.1	4380.3	4345.3	4323.5	4303.9	4266.8	4240.6	4212.2	4186.0
25°	4330.0	4303.9	4284.2	4258.0	4242.7	4218.7	4199.1	4166.4	4142.4	4116.1	4094.3
27.5°	4129.3	4114.0	4103.0	4087.8	4074.7	4063.8	4052.9	4026.7	4009.2	3985.3	3963.4
30°	3828.1	3825.9	3819.3	3812.8	3821.5	3821.5	3821.5	3817.2	3801.9	3784.4	3769.1
32.5°	3441.8	3446.2	3454.9	3461.4	3478.9	3498.5	3516.0	3524.7	3524.7	3513.8	3507.3
35°	2981.3	2987.8	3001.0	3018.4	3040.2	3064.2	3103.5	3112.3	3118.7	3118.7	3110.0
37.5°	2503.3	2501.1	2514.2	2529.5	2542.6	2560.1	2588.4	2595.0	2605.9	2601.6	2592.8
40°	2038.4	2027.5	2023.1	2027.5	2042.8	2036.2	2042.8	2038.4	2038.4	2023.1	2023.1
42.5°	1608.5	1595.4	1586.6	1580.2	1580.2	1564.8	1553.9	1543.1	1536.5	1525.5	1523.4
45°	1239.7	1224.3	1213.5	1209.1	1202.6	1182.9	1169.8	1156.7	1141.4	1137.1	1139.3
47.5°	962.5	947.2	942.8	931.9	921.0	910.1	901.4	886.1	883.9	875.2	883.9
50°	742.0	737.7	731.2	726.7	720.2	711.5	702.8	694.0	689.6	689.6	691.8
52.5°	576.2	578.3	571.8	565.2	560.9	560.9	550.0	547.8	547.8	539.1	547.8
55°	440.9	438.7	440.9	436.5	436.5	429.9	429.9	423.4	423.4	416.8	421.2
57.5°	323.0	327.4	323.0	325.2	329.6	323.0	320.8	314.2	318.6	314.2	316.5
60°	251.0	251.0	251.0	248.8	248.8	246.6	246.6	244.4	244.4	240.0	244.4
62.5°	185.5	187.7	187.7	187.7	189.9	187.7	185.5	187.7	185.5	185.5	187.7
65°	122.3	124.4	124.4	122.3	126.6	122.3	124.4	126.6	128.7	126.6	128.7
67.5°	82.9	82.9	85.2	87.3	85.2	87.3	89.5	87.3	89.5	93.9	89.5
70°	61.1	63.3	63.3	61.1	58.9	61.1	58.9	65.5	65.5	65.5	69.8
72.5°	39.3	39.3	37.1	37.1	37.1	37.1	37.1	43.7	39.3	37.1	41.5
75°	21.8	24.0	24.0	17.4	19.7	24.0	17.4	19.7	26.2	21.8	26.2
77.5°	13.1	13.1	13.1	13.1	13.1	13.1	17.4	15.3	15.3	15.3	17.4
80°	10.9	8.7	8.7	6.6	8.7	8.7	8.7	13.1	10.9	10.9	13.1
82.5°	4.4	4.4	2.2	0.0	4.4	4.4	4.4	4.4	4.4	4.4	8.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	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: P248561

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7
2.5°	4465.3	4465.3	4463.2	4458.9	4450.1	4450.1	4447.9	4441.3	4437.0	4434.8	4434.8
5°	4443.5	4434.8	4426.1	4402.1	4402.1	4397.7	4384.7	4375.9	4371.5	4360.6	4356.3
7.5°	4423.9	4397.7	4382.4	4367.1	4347.6	4338.8	4323.5	4316.9	4301.7	4290.8	4284.2
10°	4375.9	4358.4	4338.8	4314.8	4299.5	4282.1	4264.6	4251.5	4231.9	4220.9	4212.2
12.5°	4343.2	4316.9	4299.5	4273.3	4247.1	4231.9	4207.9	4192.6	4172.9	4151.1	4138.0
15°	4312.6	4284.2	4260.2	4231.9	4203.5	4186.0	4157.6	4140.2	4111.8	4090.0	4074.7
17.5°	4266.8	4242.7	4216.6	4181.6	4155.5	4133.7	4103.0	4081.3	4055.1	4026.7	4011.4
20°	4218.7	4190.3	4164.2	4129.3	4103.0	4076.9	4046.3	4022.4	3991.7	3965.6	3948.2
22.5°	4155.5	4122.7	4100.9	4065.9	4035.4	4007.1	3978.7	3950.3	3921.9	3900.1	3880.4
25°	4063.8	4028.8	4004.8	3976.5	3948.2	3926.3	3891.4	3874.0	3845.6	3825.9	3806.2
27.5°	3932.8	3906.7	3884.8	3856.4	3832.5	3815.0	3788.8	3771.4	3747.3	3729.9	3714.6
30°	3740.8	3719.0	3699.3	3670.9	3653.5	3638.2	3614.2	3598.9	3581.5	3561.8	3557.5
32.5°	3483.3	3465.8	3446.2	3426.5	3413.4	3404.7	3385.0	3376.3	3358.9	3347.9	3337.0
35°	3094.7	3079.5	3068.6	3059.9	3055.5	3057.6	3053.3	3062.0	3066.4	3064.2	3066.4
37.5°	2586.3	2577.5	2581.9	2588.4	2610.3	2638.7	2664.8	2704.1	2730.3	2756.5	2780.5
40°	2018.8	2025.4	2042.8	2082.1	2138.8	2202.2	2261.1	2335.3	2409.5	2461.9	2509.8
42.5°	1523.4	1543.1	1586.6	1643.4	1728.6	1822.4	1914.1	2023.1	2112.7	2199.9	2261.1
45°	1145.8	1172.0	1228.7	1307.3	1401.1	1510.3	1626.0	1748.1	1855.1	1944.6	2012.3
47.5°	892.7	916.7	973.4	1056.3	1172.0	1285.5	1405.5	1532.1	1643.4	1730.7	1789.7
50°	704.9	735.5	785.7	873.0	988.7	1108.7	1233.1	1357.5	1462.3	1536.5	1588.9
52.5°	554.4	582.7	630.7	722.4	840.3	960.3	1075.9	1198.2	1289.8	1361.9	1396.8
55°	429.9	456.2	506.3	582.7	694.0	811.9	927.5	1032.4	1117.4	1169.8	1202.6
57.5°	327.4	347.0	382.0	458.3	558.8	667.8	766.1	870.8	936.3	973.4	995.2
60°	248.8	264.1	301.2	360.1	451.8	545.6	628.6	707.2	759.5	790.1	811.9
62.5°	187.7	205.2	231.3	281.5	351.3	427.8	497.6	556.5	600.2	619.8	635.1
65°	128.7	141.8	161.5	200.8	259.7	314.2	368.9	412.5	440.9	462.7	471.4
67.5°	96.0	104.7	115.7	146.2	187.7	231.3	268.4	299.0	329.6	338.3	353.6
70°	72.0	78.6	89.5	111.3	135.3	165.8	196.5	213.9	235.7	251.0	255.4
72.5°	45.8	48.0	58.9	72.0	91.6	111.3	131.0	146.2	159.4	168.1	172.4
75°	26.2	39.3	39.3	52.4	65.5	74.2	87.3	98.2	104.7	111.3	111.3
77.5°	17.4	24.0	26.2	32.7	39.3	50.2	61.1	67.6	74.2	76.4	76.4
80°	15.3	17.4	17.4	24.0	28.4	37.1	43.7	45.8	50.2	52.4	56.8
82.5°	6.6	8.7	10.9	17.4	19.7	19.7	26.2	28.4	32.7	34.9	34.9
85°	2.2	4.4	4.4	6.6	10.9	13.1	15.3	17.4	19.7	19.7	21.8
87.5°	2.2	2.2	0.0	2.2	4.4	4.4	8.7	8.7	8.7	13.1	13.1
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: P248561

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7	4469.7
2.5°	4430.5	4432.6	4423.9	4421.8	4417.4	4419.5	4423.9
5°	4349.7	4351.9	4343.2	4334.4	4334.4	4332.2	4334.4
7.5°	4273.3	4275.5	4262.4	4258.0	4249.3	4251.5	4251.5
10°	4196.9	4196.9	4177.3	4175.1	4168.5	4166.4	4166.4
12.5°	4122.7	4116.1	4100.9	4092.2	4096.6	4083.4	4083.4
15°	4057.2	4046.3	4026.7	4020.1	4009.2	4004.8	4004.8
17.5°	3989.6	3980.9	3963.4	3950.3	3937.2	3935.0	3937.2
20°	3924.1	3915.4	3893.5	3884.8	3874.0	3874.0	3869.6
22.5°	3858.6	3849.9	3830.3	3823.7	3808.5	3808.5	3810.6
25°	3791.0	3784.4	3762.6	3758.3	3756.1	3747.3	3751.7
27.5°	3699.3	3694.9	3677.5	3670.9	3662.2	3660.1	3664.4
30°	3531.2	3524.7	3511.7	3505.1	3489.8	3492.0	3496.3
32.5°	3321.8	3313.0	3295.5	3289.0	3275.9	3271.5	3273.7
35°	3059.9	3053.3	3038.1	3038.1	3024.9	3020.5	3024.9
37.5°	2793.6	2800.1	2793.6	2800.1	2793.6	2791.4	2793.6
40°	2542.6	2566.6	2570.9	2595.0	2586.3	2599.3	2597.2
42.5°	2302.5	2341.8	2357.1	2376.7	2372.4	2381.1	2387.7
45°	2060.2	2093.0	2108.3	2121.4	2123.6	2128.0	2130.1
47.5°	1831.1	1857.3	1859.5	1874.7	1872.6	1872.6	1879.1
50°	1617.3	1634.7	1639.0	1650.0	1641.2	1636.8	1639.0
52.5°	1418.6	1436.1	1431.7	1436.1	1425.2	1420.8	1423.0
55°	1215.6	1224.3	1224.3	1224.3	1211.3	1211.3	1211.3
57.5°	1008.3	1010.5	1006.1	1008.3	1006.1	993.0	990.9
60°	818.5	818.5	816.2	818.5	811.9	805.4	805.4
62.5°	639.4	643.8	652.5	643.8	639.4	643.8	637.3
65°	478.0	486.7	484.5	488.9	486.7	486.7	482.3
67.5°	360.1	362.3	364.5	366.7	366.7	366.7	366.7
70°	264.1	270.7	268.4	268.4	268.4	268.4	281.5
72.5°	176.8	185.5	183.3	187.7	187.7	192.1	187.7
75°	120.0	128.7	124.4	131.0	128.7	124.4	135.3
77.5°	80.8	85.2	87.3	89.5	87.3	85.2	87.3
80°	56.8	61.1	58.9	61.1	61.1	61.1	63.3
82.5°	34.9	41.5	39.3	41.5	39.3	41.5	41.5
85°	24.0	26.2	21.8	26.2	24.0	24.0	28.4
87.5°	15.3	13.1	13.1	15.3	13.1	15.3	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)