

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: P251205

Luminaire Tested: **LSR8B70D010 EC8B70850 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-53)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70850 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7774.0 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

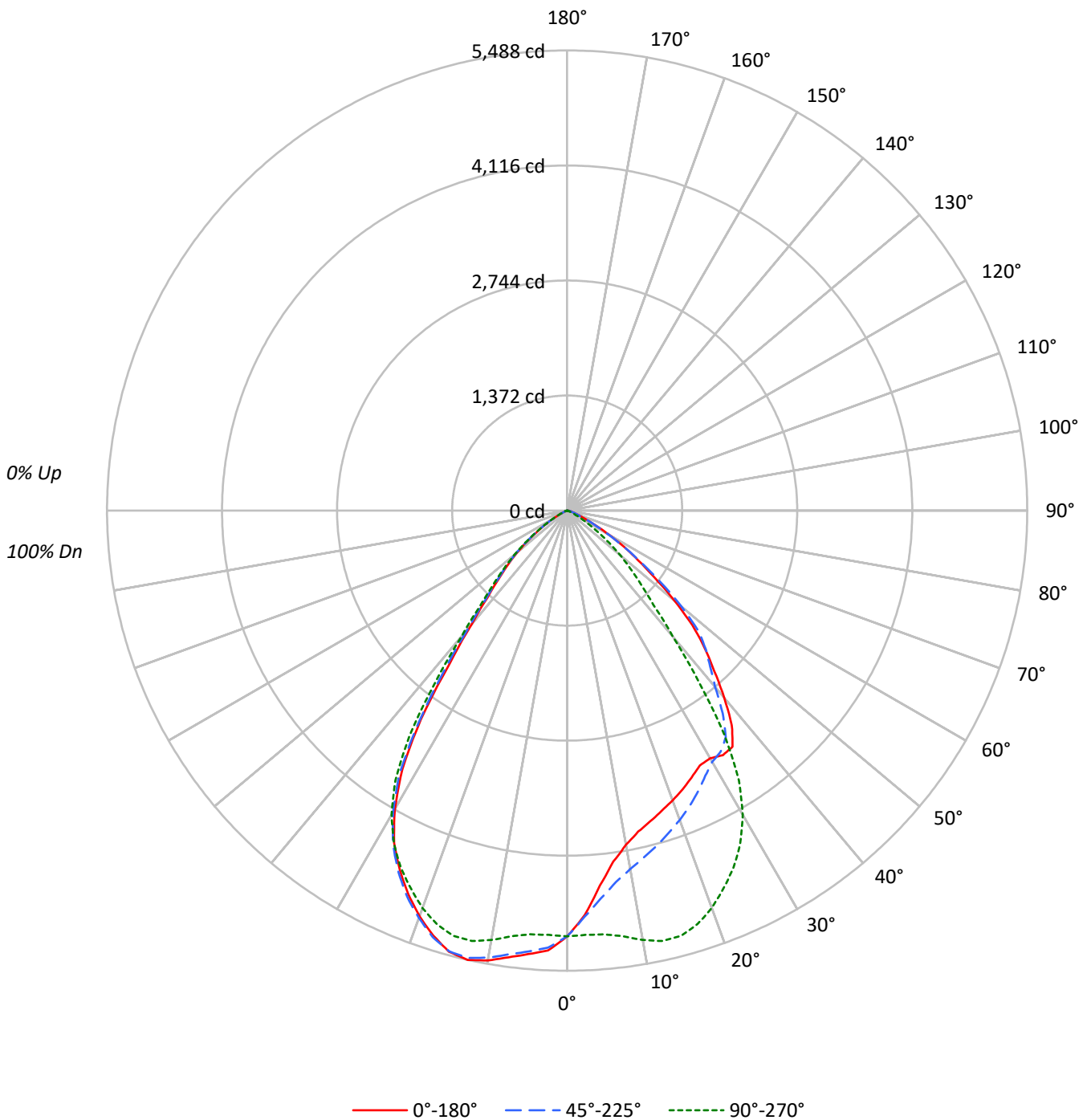
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251205

CATALOG NUMBER: LSR8B70D010 EC8B70850 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P251205

CATALOG NUMBER: LSR8B70D010 EC8B70850 8LBSW0WH

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91					91			
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82					82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74					74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67					67			
5	86	76	69	64	84	75	69	64	73	68	63	72	66	63	70	65	62	60					60			
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55					55			
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50					50			
8	71	60	53	48	70	59	53	48	58	52	48	57	52	48	56	51	47	46					46			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42					42			
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39					39			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	156605	156605	156605
5°	138947	156996	164348
10°	126682	162822	170594
15°	122429	167582	173843
20°	120678	165517	168933
25°	119496	159811	160808
30°	121440	149142	146386
35°	129447	123416	114476
40°	117312	79014	71547
45°	101252	54058	50334
50°	79889	39434	37126
55°	55455	24246	22811
60°	35301	12261	10947
65°	17621	4867	3699
70°	9746	2407	1325
75°	6994	1751	631
80°	5683	1190	231
85°	6121	955	0



TEST NUMBER: P251205

CATALOG NUMBER: LSR8B70D010 EC8B70850 8LBSW0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.3	6.1
10°-20°	1367.2	17.6
20°-30°	1984.3	25.5
30°-40°	1954.4	25.1
40°-50°	1225.1	15.8
50°-60°	591.2	7.6
60°-70°	143.1	1.8
70°-80°	28.9	0.4
80°-90°	6.6	0.1
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°	3824.8	49.2
0°-40°	5779.2	74.3
0°-60°	7595.4	97.7
0°-90°	7774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7774.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5079	5079	5079	5079	5079	
5°	4489	4641	5072	5277	5309	415
15°	3835	4136	5249	5442	5446	1084
25°	3512	3695	4697	4761	4726	1625
35°	3439	3299	3278	3092	3041	2081
45°	2322	2338	1240	1188	1154	1775
55°	1032	1065	451	446	424	949
65°	242	239	67	57	51	276
75°	59	51	15	7	5	66
85°	17	13	3	0	0	18
90°	0	0	0	0	0	



TEST NUMBER: P251205

CATALOG NUMBER: LSR8B70D010 EC8B70850 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6
2.5°	4827.7	4797.0	4739.7	4809.1	4809.1	4770.4	4847.8	4801.0	4838.4	4897.1	4845.1
5°	4488.8	4463.5	4415.4	4488.8	4498.1	4462.1	4555.5	4520.8	4575.5	4647.6	4640.9
7.5°	4220.6	4188.6	4144.5	4220.6	4235.3	4211.3	4300.7	4284.6	4356.7	4450.1	4466.1
10°	4045.8	4012.4	3973.7	4043.1	4053.8	4037.8	4128.5	4119.2	4189.9	4298.0	4340.7
12.5°	3921.7	3893.7	3851.0	3924.4	3936.4	3913.7	3999.1	3995.1	4068.5	4181.9	4235.3
15°	3835.0	3801.6	3762.9	3825.6	3841.6	3816.3	3897.7	3889.7	3964.4	4076.5	4136.5
17.5°	3753.6	3722.9	3682.8	3741.6	3757.6	3730.9	3810.9	3797.6	3861.7	3968.4	4029.8
20°	3677.5	3644.2	3608.1	3668.2	3677.5	3646.8	3726.9	3709.5	3766.9	3865.7	3925.7
22.5°	3598.8	3564.1	3526.7	3585.4	3594.8	3564.1	3637.5	3617.5	3670.8	3760.2	3815.0
25°	3512.1	3480.0	3442.7	3497.4	3505.4	3472.0	3549.4	3524.1	3570.8	3649.5	3694.9
27.5°	3425.3	3394.6	3353.3	3409.3	3413.3	3381.3	3452.0	3417.3	3456.0	3528.1	3566.8
30°	3410.6	3375.9	3333.2	3378.6	3379.9	3338.6	3405.3	3363.9	3385.3	3438.7	3461.3
32.5°	3457.3	3422.6	3378.6	3416.0	3412.0	3366.6	3430.7	3379.9	3386.6	3414.6	3409.3
35°	3438.7	3397.3	3345.3	3385.3	3385.3	3330.6	3394.6	3334.6	3327.9	3331.9	3298.6
37.5°	3226.5	3194.5	3145.1	3183.8	3179.8	3138.4	3187.8	3138.4	3115.7	3106.4	3046.4
40°	2914.3	2875.6	2838.2	2879.6	2883.6	2839.5	2903.6	2847.5	2840.9	2814.2	2743.5
42.5°	2598.0	2584.7	2548.6	2583.3	2602.0	2564.7	2618.0	2591.3	2595.3	2588.7	2522.0
45°	2321.8	2299.1	2272.4	2312.5	2324.5	2305.8	2359.2	2343.1	2359.2	2392.5	2337.8
47.5°	2024.2	2001.5	1972.2	2014.9	2036.2	2001.5	2046.9	2041.6	2065.6	2123.0	2117.6
50°	1665.3	1649.3	1643.9	1649.3	1662.6	1646.6	1678.6	1680.0	1696.0	1774.7	1780.0
52.5°	1318.4	1314.4	1295.7	1313.0	1313.0	1287.7	1319.7	1305.0	1321.0	1374.4	1409.1
55°	1031.5	1027.5	1015.5	1031.5	1014.1	1004.8	1014.1	999.4	987.4	1028.8	1064.8
57.5°	803.3	789.9	775.3	781.9	780.6	760.6	771.3	753.9	744.6	759.3	791.3
60°	572.4	568.4	555.1	561.8	567.1	552.4	563.1	555.1	539.1	551.1	552.4
62.5°	380.3	383.0	375.0	376.3	372.3	369.6	376.3	380.3	376.3	371.0	372.3
65°	241.5	240.2	238.9	240.2	242.9	237.5	241.5	244.2	240.2	240.2	238.9
67.5°	160.1	156.1	152.1	154.8	157.5	153.5	157.5	156.1	157.5	156.1	152.1
70°	108.1	106.7	105.4	106.7	106.7	104.1	106.7	105.4	106.7	105.4	101.4
72.5°	78.7	78.7	77.4	78.7	78.7	76.1	77.4	74.7	76.1	74.7	72.1
75°	58.7	58.7	57.4	58.7	57.4	56.0	57.4	56.0	53.4	53.4	50.7
77.5°	42.7	42.7	42.7	42.7	42.7	41.4	41.4	40.0	38.7	37.4	37.4
80°	32.0	30.7	30.7	30.7	30.7	29.4	30.7	29.4	28.0	26.7	25.4
82.5°	22.7	24.0	22.7	22.7	22.7	21.3	22.7	21.3	21.3	20.0	17.3
85°	17.3	17.3	17.3	17.3	17.3	16.0	16.0	16.0	14.7	14.7	13.3
87.5°	9.3	9.3	9.3	10.7	9.3	9.3	9.3	8.0	8.0	6.7	6.7
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: P251205

CATALOG NUMBER: LSR8B70D010 EC8B70850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6
2.5°	4914.5	4921.1	4906.5	4929.1	5017.2	4946.5	4975.9	4985.2	5051.9	5063.9	5055.9
5°	4727.7	4757.0	4775.7	4826.4	4923.8	4873.1	4925.1	4958.5	5043.9	5071.9	5078.6
7.5°	4580.9	4642.3	4687.6	4770.4	4885.1	4846.4	4925.1	4979.9	5083.9	5120.0	5137.3
10°	4471.5	4564.9	4643.6	4757.0	4886.4	4861.1	4963.8	5041.2	5157.3	5200.0	5221.4
12.5°	4388.7	4502.2	4607.6	4751.7	4891.8	4879.8	5003.9	5091.9	5214.7	5257.4	5282.8
15°	4298.0	4428.8	4551.5	4713.0	4863.8	4861.1	4994.5	5087.9	5213.4	5249.4	5273.4
17.5°	4189.9	4330.0	4464.8	4639.6	4789.0	4791.7	4926.5	5018.6	5141.3	5170.7	5186.7
20°	4080.5	4219.3	4354.0	4534.2	4681.0	4685.0	4817.1	4902.5	5019.9	5043.9	5047.9
22.5°	3964.4	4093.8	4228.6	4407.4	4548.9	4551.5	4682.3	4762.4	4862.4	4874.4	4885.1
25°	3832.3	3959.1	4085.8	4263.3	4398.1	4406.1	4524.8	4595.6	4687.6	4697.0	4701.0
27.5°	3694.9	3798.9	3920.4	4072.5	4208.6	4203.3	4315.3	4395.4	4478.1	4472.8	4471.5
30°	3556.1	3642.8	3717.5	3864.3	3964.4	3968.4	4073.8	4112.5	4199.2	4188.6	4187.2
32.5°	3458.7	3481.4	3501.4	3576.1	3670.8	3637.5	3709.5	3757.6	3817.6	3813.6	3815.0
35°	3279.9	3238.5	3178.5	3189.1	3246.5	3194.5	3233.2	3231.8	3293.2	3278.5	3295.9
37.5°	2974.3	2856.9	2723.4	2647.4	2658.1	2592.7	2579.3	2611.4	2632.7	2591.3	2606.0
40°	2648.7	2475.2	2267.1	2093.6	2084.3	2002.9	1988.2	1956.2	1997.5	1962.9	1973.5
42.5°	2408.5	2179.0	1905.5	1694.6	1649.3	1581.2	1541.2	1535.9	1547.9	1523.8	1517.2
45°	2224.4	1980.2	1666.6	1425.1	1374.4	1301.0	1261.0	1246.3	1247.6	1239.6	1233.0
47.5°	2008.2	1762.7	1445.1	1198.3	1140.9	1071.5	1031.5	1022.1	1027.5	1016.8	1008.8
50°	1709.3	1489.2	1199.6	974.1	923.4	872.7	840.7	831.3	830.0	822.0	816.6
52.5°	1387.7	1204.9	954.1	765.9	720.6	671.2	648.5	636.5	637.8	629.8	621.8
55°	1074.2	960.7	739.2	579.1	537.7	499.1	477.7	463.0	459.0	451.0	447.0
57.5°	799.3	723.2	553.8	417.7	393.6	356.3	334.9	317.6	314.9	310.9	309.6
60°	560.4	505.7	389.6	297.6	269.5	246.9	225.5	208.2	200.2	198.8	194.8
62.5°	362.9	329.6	256.2	198.8	177.5	161.5	140.1	128.1	122.8	117.4	118.8
65°	225.5	200.2	160.1	128.1	116.1	104.1	88.1	77.4	72.1	66.7	68.1
67.5°	140.1	125.4	101.4	82.7	74.7	65.4	53.4	45.4	41.4	37.4	34.7
70°	94.7	81.4	69.4	58.7	53.4	46.7	38.7	32.0	29.4	26.7	24.0
72.5°	66.7	60.0	50.7	44.0	40.0	34.7	29.4	25.4	22.7	20.0	17.3
75°	48.0	42.7	37.4	32.0	29.4	26.7	22.7	20.0	17.3	14.7	12.0
77.5°	34.7	30.7	26.7	24.0	22.7	18.7	16.0	14.7	13.3	10.7	8.0
80°	24.0	21.3	17.3	16.0	16.0	13.3	12.0	10.7	9.3	6.7	5.3
82.5°	16.0	14.7	13.3	12.0	10.7	9.3	9.3	6.7	5.3	4.0	2.7
85°	12.0	10.7	9.3	8.0	8.0	6.7	5.3	4.0	4.0	2.7	1.3
87.5°	6.7	6.7	5.3	4.0	4.0	2.7	2.7	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P251205

CATALOG NUMBER: LSR8B70D010 EC8B70850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6
2.5°	5124.0	5128.0	5150.7	5133.3	5177.3	5209.4	5193.4	5229.4	5217.4	5214.7	5256.1
5°	5158.7	5168.0	5198.7	5182.7	5230.7	5265.4	5249.4	5289.4	5277.4	5274.7	5317.4
7.5°	5225.4	5234.7	5261.4	5248.1	5298.8	5329.5	5309.4	5353.5	5337.5	5336.1	5377.5
10°	5309.4	5322.8	5345.5	5332.1	5378.8	5405.5	5385.5	5428.2	5413.5	5406.9	5452.2
12.5°	5372.2	5381.5	5404.2	5393.5	5438.9	5458.9	5441.5	5482.9	5464.2	5458.9	5498.9
15°	5357.5	5366.8	5385.5	5376.2	5418.9	5437.5	5414.9	5460.2	5441.5	5430.9	5466.9
17.5°	5264.1	5269.4	5282.8	5273.4	5318.8	5330.8	5305.4	5350.8	5333.5	5314.8	5349.5
20°	5126.6	5124.0	5132.0	5128.0	5165.3	5172.0	5156.0	5189.3	5169.3	5158.7	5178.7
22.5°	4955.8	4953.2	4958.5	4947.8	4985.2	4989.2	4965.2	5005.2	4985.2	4965.2	4998.5
25°	4766.4	4751.7	4749.0	4753.0	4778.4	4782.4	4757.0	4786.4	4761.0	4745.0	4777.0
27.5°	4532.8	4514.2	4510.2	4514.2	4539.5	4520.8	4499.5	4520.8	4495.5	4480.8	4500.8
30°	4244.6	4217.9	4205.9	4197.9	4224.6	4217.9	4168.6	4192.6	4152.5	4131.2	4145.9
32.5°	3856.3	3841.6	3809.6	3790.9	3816.3	3765.6	3734.9	3734.9	3718.9	3682.8	3690.9
35°	3317.2	3294.5	3265.2	3249.2	3253.2	3185.1	3134.4	3145.1	3091.7	3082.4	3086.4
37.5°	2635.4	2598.0	2587.3	2554.0	2562.0	2501.9	2432.5	2433.9	2405.9	2376.5	2367.2
40°	1980.2	1973.5	1962.9	1934.8	1945.5	1880.1	1853.4	1854.8	1836.1	1814.7	1825.4
42.5°	1530.5	1509.2	1502.5	1493.2	1495.8	1485.1	1450.5	1454.5	1438.4	1433.1	1427.8
45°	1243.6	1220.9	1204.9	1212.9	1212.9	1200.9	1187.6	1195.6	1187.6	1176.9	1182.2
47.5°	1024.8	1003.4	995.4	994.1	1003.4	995.4	982.1	984.8	983.4	979.4	976.8
50°	818.0	812.6	806.0	802.0	806.0	803.3	791.3	798.0	802.0	788.6	792.6
52.5°	623.1	623.1	621.8	612.5	620.5	612.5	611.1	613.8	609.8	604.5	603.1
55°	456.4	452.4	445.7	444.3	447.0	444.3	441.7	443.0	445.7	432.3	432.3
57.5°	312.2	309.6	305.6	305.6	310.9	304.2	300.2	305.6	300.2	294.9	294.9
60°	200.2	198.8	194.8	194.8	194.8	193.5	189.5	190.8	193.5	185.5	186.8
62.5°	120.1	116.1	114.8	113.4	114.8	113.4	113.4	112.1	110.8	110.8	106.7
65°	65.4	62.7	60.0	61.4	61.4	60.0	60.0	60.0	57.4	56.0	54.7
67.5°	33.4	30.7	30.7	29.4	29.4	29.4	29.4	28.0	28.0	28.0	26.7
70°	21.3	20.0	18.7	18.7	18.7	17.3	17.3	17.3	17.3	17.3	16.0
72.5°	14.7	13.3	12.0	12.0	12.0	10.7	10.7	10.7	10.7	9.3	9.3
75°	10.7	9.3	8.0	8.0	8.0	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	5.3	5.3	5.3	5.3	4.0	4.0	4.0	4.0	4.0	2.7
80°	4.0	4.0	2.7	2.7	2.7	2.7	1.3	1.3	1.3	1.3	1.3
82.5°	2.7	2.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	1.3	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: P251205

CATALOG NUMBER: LSR8B70D010 EC8B70850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6	5078.6
2.5°	5241.4	5230.7	5237.4	5286.8	5265.4	5258.7	5202.7	5252.1
5°	5304.1	5296.1	5296.1	5352.1	5326.8	5321.5	5266.7	5309.4
7.5°	5362.8	5354.8	5356.1	5413.5	5393.5	5385.5	5330.8	5373.5
10°	5438.9	5433.5	5434.9	5489.6	5468.2	5460.2	5404.2	5448.2
12.5°	5484.2	5476.2	5476.2	5534.9	5510.9	5498.9	5445.5	5488.2
15°	5449.6	5437.5	5437.5	5496.3	5469.6	5452.2	5405.5	5445.5
17.5°	5330.8	5318.8	5318.8	5369.5	5349.5	5324.1	5276.1	5313.4
20°	5165.3	5150.7	5146.6	5205.4	5177.3	5154.7	5112.0	5148.0
22.5°	4978.5	4971.8	4959.8	5018.6	4993.2	4969.2	4923.8	4951.8
25°	4754.3	4743.7	4731.7	4789.0	4763.7	4739.7	4703.6	4726.3
27.5°	4475.5	4476.8	4470.1	4515.5	4490.1	4476.8	4432.8	4470.1
30°	4137.9	4123.2	4117.9	4171.2	4147.2	4129.9	4075.2	4111.2
32.5°	3697.5	3676.2	3648.2	3708.2	3666.8	3652.2	3605.5	3657.5
35°	3057.0	3050.4	3025.0	3075.7	3053.0	3026.3	2997.0	3041.0
37.5°	2363.2	2368.5	2365.8	2379.2	2365.8	2348.5	2316.5	2300.4
40°	1804.1	1790.7	1780.0	1804.1	1776.0	1776.0	1757.4	1777.4
42.5°	1414.4	1409.1	1422.4	1427.8	1411.8	1409.1	1406.4	1405.1
45°	1167.6	1167.6	1170.2	1175.6	1170.2	1167.6	1159.6	1154.2
47.5°	962.1	967.4	962.1	979.4	970.1	967.4	951.4	958.1
50°	779.3	772.6	779.3	784.6	785.9	777.9	769.9	773.9
52.5°	604.5	593.8	591.1	599.1	593.8	593.8	588.5	587.1
55°	425.7	429.7	423.0	429.7	427.0	423.0	419.0	424.3
57.5°	288.2	289.6	286.9	290.9	284.2	285.6	284.2	282.9
60°	186.8	181.5	181.5	185.5	178.8	178.8	177.5	177.5
62.5°	106.7	105.4	105.4	104.1	102.7	102.7	102.7	100.1
65°	54.7	53.4	52.0	52.0	52.0	52.0	50.7	50.7
67.5°	26.7	25.4	25.4	26.7	25.4	25.4	25.4	25.4
70°	16.0	16.0	14.7	16.0	14.7	14.7	14.7	14.7
72.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
75°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
77.5°	4.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)