

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: P248628

Luminaire Tested: **LSR8B120D010 EC8B120950 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248628
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: LSR8B120D010 EC8B120950 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11371.0 lumens
Efficiency: N/A
Efficacy: 96.1 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

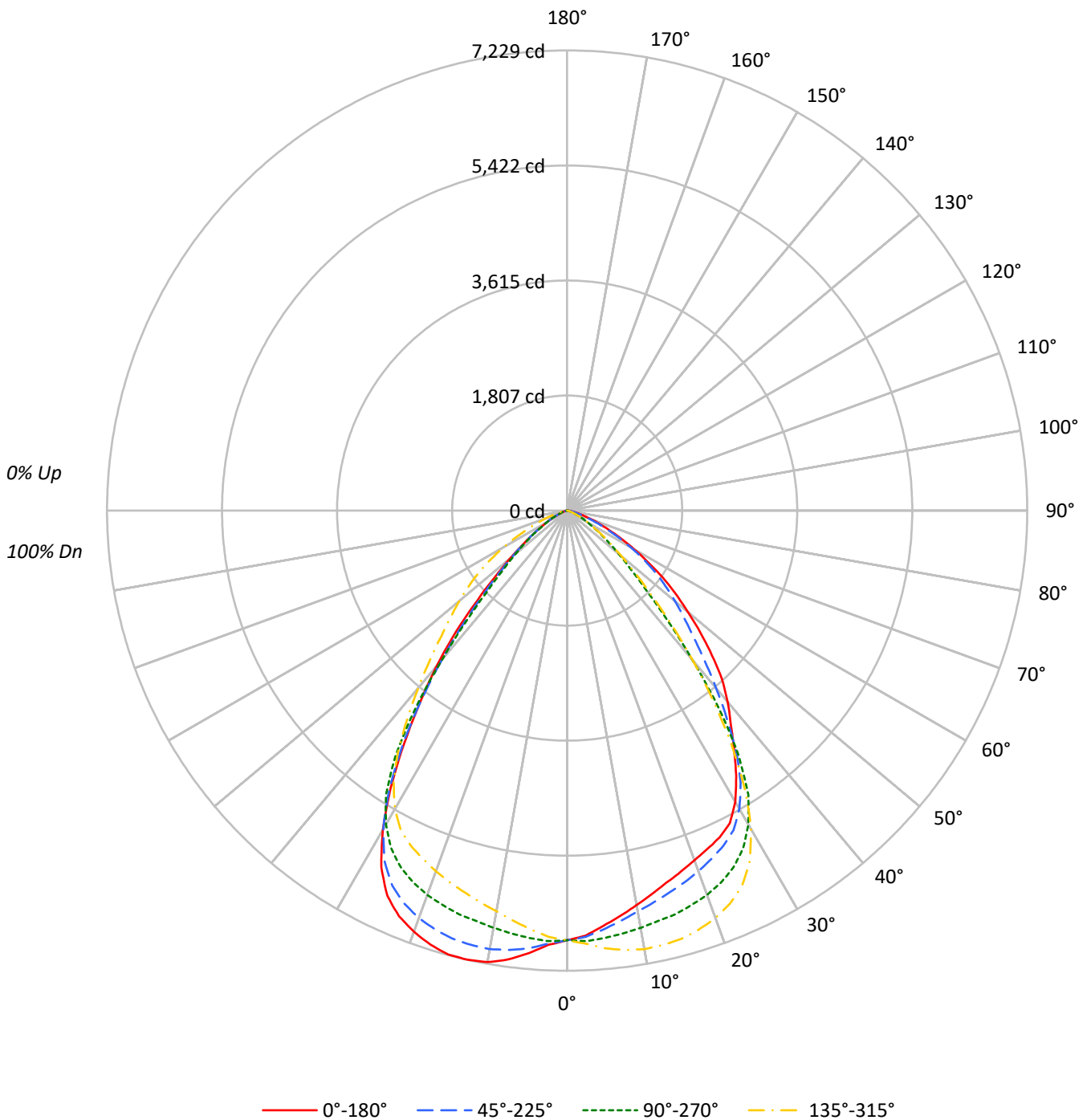
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	208164	208164	208164	208164
5°	202635	208652	216103	208652
10°	197028	208381	225512	208381
15°	193093	209617	230451	209617
20°	191779	210815	231043	210815
25°	192787	210391	227329	210391
30°	188018	202691	206334	202691
35°	171981	176815	167761	176815
40°	157896	122996	128442	122996
45°	140295	75034	86821	75034
50°	118752	50122	55663	50122
55°	98351	34203	36149	34203
60°	75012	22770	22967	22770
65°	53148	14184	12988	14184
70°	38336	9503	8628	9503
75°	24341	4718	3932	4718
80°	16994	3516	2912	3516
85°	15178	0	1168	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.5	5.7
10°-20°	1860.6	16.4
20°-30°	2817.4	24.8
30°-40°	2823.7	24.8
40°-50°	1773.2	15.6
50°-60°	944.9	8.3
60°-70°	388.6	3.4
70°-80°	102.7	0.9
80°-90°	17.4	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°	5320.6	46.8
0°-40°	8144.3	71.6
0°-60°	10862.4	95.5
0°-90°	11371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11371.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6751	6751	6751	6751	6751	
5°	6546	6741	6981	6741	6546	617
15°	6048	6566	7219	6566	6048	1711
25°	5666	6184	6681	6184	5666	2599
35°	4569	4697	4456	4697	4569	2862
45°	3217	1721	1991	1721	3217	2474
55°	1829	636	672	636	1829	1631
65°	728	194	178	194	728	756
75°	204	40	33	40	204	232
85°	43	0	3	0	43	47
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°	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6
2.5°	6681.4	6674.8	6671.5	6678.2	6681.4	6694.6	6691.3	6697.8	6697.8	6701.2	6707.7
5°	6546.3	6542.9	6546.3	6546.3	6559.4	6572.6	6569.3	6579.2	6585.8	6602.3	6608.8
7.5°	6421.1	6421.1	6417.7	6430.8	6437.5	6457.3	6453.9	6470.4	6480.3	6496.8	6519.8
10°	6292.4	6292.4	6295.7	6305.6	6309.0	6338.6	6338.6	6361.6	6374.8	6391.3	6421.1
12.5°	6167.2	6167.2	6187.0	6180.4	6193.5	6216.6	6226.5	6249.6	6269.4	6302.3	6332.0
15°	6048.5	6048.5	6055.1	6071.6	6081.5	6111.2	6127.6	6154.0	6177.1	6210.1	6252.9
17.5°	5946.3	5943.1	5946.3	5966.1	5985.9	6012.3	6025.4	6058.4	6081.5	6124.3	6163.9
20°	5844.2	5850.8	5850.8	5867.2	5880.4	5913.4	5926.5	5962.9	5989.2	6028.7	6074.9
22.5°	5755.2	5751.9	5751.9	5775.0	5784.9	5814.5	5827.6	5860.6	5890.3	5923.3	5966.1
25°	5666.2	5659.5	5672.8	5676.1	5682.6	5715.5	5725.4	5748.5	5778.2	5807.9	5850.8
27.5°	5534.3	5527.8	5531.0	5544.2	5554.1	5580.4	5587.1	5610.1	5633.2	5659.5	5695.9
30°	5280.4	5273.9	5270.7	5293.7	5303.6	5323.3	5333.2	5372.8	5379.3	5409.1	5435.4
32.5°	4944.2	4941.0	4947.6	4967.3	4977.2	5003.7	5016.8	5039.9	5056.3	5072.9	5099.2
35°	4568.6	4561.9	4568.6	4588.4	4588.4	4611.4	4621.3	4631.1	4627.8	4631.1	4624.6
37.5°	4219.2	4215.8	4219.2	4229.0	4219.2	4229.0	4219.2	4199.4	4163.2	4123.5	4083.9
40°	3922.5	3925.7	3906.1	3919.2	3882.9	3876.3	3840.1	3790.6	3718.1	3639.1	3527.0
42.5°	3606.1	3596.2	3583.0	3589.5	3560.0	3536.8	3477.5	3414.9	3322.5	3190.8	3055.5
45°	3217.1	3213.8	3207.2	3203.9	3184.1	3161.1	3111.6	3039.1	2936.9	2801.8	2640.2
47.5°	2838.0	2828.1	2828.1	2831.4	2808.3	2805.1	2765.4	2702.9	2613.9	2482.0	2313.9
50°	2475.4	2472.1	2478.8	2491.9	2475.4	2468.9	2442.5	2399.7	2320.6	2208.5	2050.2
52.5°	2149.1	2145.8	2152.5	2168.9	2162.2	2168.9	2142.6	2109.6	2056.8	1948.0	1809.6
55°	1829.4	1829.4	1829.4	1849.1	1849.1	1849.1	1835.9	1816.3	1766.7	1687.7	1559.2
57.5°	1496.5	1499.7	1519.6	1522.8	1519.6	1526.2	1522.8	1503.0	1470.2	1414.1	1315.2
60°	1216.3	1216.3	1226.2	1236.1	1232.7	1236.1	1236.1	1226.2	1193.3	1147.1	1068.0
62.5°	962.5	972.4	965.7	972.4	985.5	972.4	965.7	959.2	936.2	906.4	840.5
65°	728.4	735.1	735.1	738.3	731.7	735.1	721.9	712.0	698.9	665.9	623.0
67.5°	553.8	553.8	553.8	553.8	550.4	547.2	543.9	534.0	510.9	497.8	451.5
70°	425.2	405.4	405.4	405.4	405.4	408.8	398.9	385.7	379.1	356.0	323.0
72.5°	283.4	290.1	283.4	283.4	276.9	280.2	267.0	260.4	253.8	240.7	220.9
75°	204.3	187.9	194.4	197.8	187.9	194.4	181.3	168.1	168.1	158.2	148.3
77.5°	131.9	128.6	131.9	135.1	131.9	128.6	122.0	115.3	115.3	112.1	102.2
80°	95.7	92.3	92.3	92.3	89.0	92.3	85.7	85.7	79.1	75.8	69.2
82.5°	62.7	62.7	59.3	62.7	59.3	62.7	52.8	52.8	52.8	49.4	42.9
85°	42.9	36.2	36.2	39.6	33.0	39.6	36.2	33.0	29.7	29.7	26.3
87.5°	19.8	23.1	19.8	23.1	19.8	19.8	23.1	19.8	19.8	13.2	13.2
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°	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6
2.5°	6717.6	6720.9	6720.9	6734.2	6740.7	6744.0	6744.0	6770.4	6760.5	6767.2	6773.7
5°	6622.1	6641.8	6648.4	6648.4	6684.7	6697.8	6711.0	6740.7	6744.0	6763.8	6786.8
7.5°	6529.7	6552.8	6566.1	6595.7	6618.7	6641.8	6681.4	6701.2	6720.9	6747.3	6776.9
10°	6440.7	6467.2	6493.5	6516.6	6552.8	6582.5	6608.8	6655.0	6678.2	6714.4	6753.9
12.5°	6355.1	6391.3	6414.4	6453.9	6493.5	6519.8	6559.4	6602.3	6638.5	6674.8	6720.9
15°	6279.3	6322.1	6348.5	6391.3	6434.2	6470.4	6513.3	6566.1	6592.4	6635.3	6678.2
17.5°	6196.8	6243.0	6276.0	6315.5	6368.3	6407.8	6444.1	6496.8	6529.7	6575.9	6625.4
20°	6111.2	6157.3	6196.8	6236.4	6289.2	6328.7	6371.5	6424.3	6460.5	6506.7	6546.3
22.5°	6009.0	6051.9	6094.6	6140.7	6193.5	6226.5	6276.0	6322.1	6361.6	6404.5	6444.1
25°	5877.1	5929.9	5962.9	6005.6	6048.5	6084.7	6137.5	6183.6	6216.6	6256.2	6292.4
27.5°	5722.2	5761.8	5788.1	5824.4	5867.2	5900.2	5939.7	5985.9	6018.9	6055.1	6081.5
30°	5458.4	5494.8	5517.9	5544.2	5587.1	5616.8	5649.7	5692.5	5715.5	5742.0	5765.1
32.5°	5112.3	5142.0	5155.2	5175.0	5204.7	5234.3	5260.8	5297.0	5306.9	5323.3	5323.3
35°	4611.4	4617.9	4614.7	4621.3	4634.5	4650.9	4674.0	4697.0	4710.2	4710.2	4700.4
37.5°	4024.6	3985.2	3942.3	3909.3	3899.4	3892.8	3906.1	3915.8	3929.1	3935.6	3919.2
40°	3414.9	3325.9	3230.3	3144.5	3085.2	3058.9	3049.0	3055.5	3055.5	3078.6	3078.6
42.5°	2890.8	2752.3	2610.6	2482.0	2396.3	2330.5	2300.8	2300.8	2304.0	2320.6	2330.5
45°	2455.7	2281.0	2116.1	1974.5	1855.8	1770.0	1730.5	1720.6	1717.4	1723.9	1746.9
47.5°	2122.8	1941.5	1770.0	1595.4	1470.2	1384.4	1348.2	1334.9	1321.7	1334.9	1338.3
50°	1862.4	1674.5	1493.2	1318.5	1186.6	1110.8	1064.6	1044.8	1041.6	1041.6	1048.2
52.5°	1625.0	1450.4	1269.1	1091.1	952.6	880.1	837.2	827.3	814.2	827.3	827.3
55°	1400.8	1226.2	1048.2	880.1	764.7	689.0	649.3	636.2	629.5	639.4	639.4
57.5°	1157.0	1008.6	843.9	692.2	576.9	524.1	494.4	478.0	474.6	481.2	474.6
60°	949.3	824.1	682.3	543.9	454.9	398.9	375.8	369.2	362.5	369.2	369.2
62.5°	751.5	646.1	530.6	425.2	349.4	309.9	283.4	283.4	280.2	280.2	283.4
65°	557.1	474.6	392.2	303.2	243.9	214.2	194.4	194.4	191.2	194.4	191.2
67.5°	405.4	349.4	283.4	220.9	174.7	158.2	145.0	135.1	141.8	135.1	131.9
70°	296.7	250.5	204.3	168.1	135.1	118.7	108.8	105.4	98.9	98.9	98.9
72.5°	197.8	168.1	138.4	108.8	89.0	72.4	69.2	62.7	56.0	59.3	65.9
75°	131.9	112.1	98.9	79.1	59.3	59.3	39.6	39.6	33.0	39.6	29.7
77.5°	92.3	75.8	59.3	49.4	39.6	36.2	26.3	26.3	23.1	23.1	23.1
80°	65.9	56.0	42.9	36.2	26.3	26.3	23.1	19.8	16.4	16.4	19.8
82.5°	39.6	29.7	29.7	26.3	16.4	13.2	9.9	13.2	6.6	6.6	6.6
85°	23.1	19.8	16.4	9.9	6.6	6.6	3.3	0.0	3.3	3.3	0.0
87.5°	13.2	6.6	6.6	3.3	0.0	3.3	3.3	0.0	0.0	0.0	6.6
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°	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6
2.5°	6790.2	6786.8	6793.5	6793.5	6813.3	6809.9	6819.8	6819.8	6813.3	6816.5	6829.7
5°	6813.3	6823.2	6842.9	6859.4	6889.0	6902.3	6918.7	6935.3	6938.5	6948.4	6958.3
7.5°	6813.3	6846.3	6869.3	6898.9	6938.5	6961.6	6997.8	7027.5	7040.7	7057.1	7076.9
10°	6800.0	6833.0	6875.8	6908.8	6958.3	6994.5	7030.8	7076.9	7096.7	7123.0	7149.5
12.5°	6773.7	6809.9	6856.0	6898.9	6954.9	6987.9	7034.0	7076.9	7106.6	7142.8	7172.5
15°	6734.2	6776.9	6819.8	6862.7	6922.0	6961.6	7004.4	7053.8	7083.5	7123.0	7149.5
17.5°	6671.5	6717.6	6757.3	6796.7	6852.8	6898.9	6938.5	6984.6	7014.4	7047.3	7083.5
20°	6595.7	6638.5	6681.4	6714.4	6770.4	6809.9	6852.8	6895.6	6918.7	6925.4	6981.4
22.5°	6500.1	6529.7	6562.7	6615.5	6648.4	6684.7	6724.3	6763.8	6786.8	6823.2	6842.9
25°	6341.8	6371.5	6407.8	6430.8	6470.4	6500.1	6539.6	6582.5	6595.7	6622.1	6641.8
27.5°	6121.1	6137.5	6154.0	6173.7	6196.8	6213.3	6236.4	6256.2	6269.4	6282.5	6295.7
30°	5771.6	5771.6	5771.6	5758.4	5768.3	5778.2	5781.5	5778.2	5778.2	5775.0	5775.0
32.5°	5310.2	5283.8	5254.1	5227.8	5217.9	5204.7	5198.1	5188.2	5171.8	5161.9	5165.1
35°	4687.1	4627.8	4591.6	4558.7	4532.3	4512.5	4502.6	4492.7	4489.5	4476.3	4463.0
37.5°	3909.3	3866.4	3840.1	3820.3	3797.2	3777.4	3780.7	3784.1	3793.9	3787.3	3790.6
40°	3085.2	3075.3	3085.2	3062.2	3055.5	3062.2	3078.6	3101.8	3114.9	3128.1	3151.2
42.5°	2346.9	2363.3	2386.5	2386.5	2396.3	2409.6	2429.2	2465.6	2485.3	2508.3	2534.8
45°	1766.7	1786.6	1816.3	1826.0	1832.7	1849.1	1872.3	1901.9	1915.0	1934.8	1957.9
47.5°	1361.4	1374.5	1390.9	1407.5	1423.9	1430.5	1453.6	1453.6	1470.2	1483.3	1489.8
50°	1061.4	1074.5	1087.7	1097.6	1104.3	1114.2	1120.7	1130.6	1133.8	1140.5	1143.7
52.5°	830.6	847.1	847.1	853.7	863.6	873.5	870.2	873.5	876.7	876.7	886.6
55°	649.3	649.3	659.2	659.2	665.9	662.5	665.9	665.9	665.9	665.9	669.1
57.5°	484.5	487.9	497.8	491.1	487.9	494.4	487.9	494.4	491.1	497.8	487.9
60°	372.4	372.4	375.8	375.8	379.1	379.1	379.1	375.8	375.8	372.4	372.4
62.5°	280.2	283.4	286.8	283.4	283.4	283.4	280.2	280.2	276.9	273.5	273.5
65°	187.9	184.7	191.2	184.7	187.9	187.9	184.7	187.9	178.0	181.3	178.0
67.5°	135.1	131.9	128.6	131.9	128.6	125.2	125.2	128.6	131.9	122.0	122.0
70°	89.0	92.3	89.0	92.3	95.7	95.7	92.3	89.0	92.3	85.7	89.0
72.5°	56.0	56.0	56.0	56.0	56.0	59.3	59.3	59.3	52.8	52.8	49.4
75°	26.3	36.2	29.7	26.3	36.2	36.2	33.0	33.0	29.7	29.7	29.7
77.5°	26.3	19.8	19.8	19.8	19.8	19.8	19.8	19.8	16.4	19.8	16.4
80°	13.2	13.2	13.2	9.9	13.2	13.2	16.4	13.2	13.2	9.9	16.4
82.5°	6.6	6.6	6.6	0.0	3.3	6.6	6.6	3.3	6.6	6.6	3.3
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: P248628

CATALOG NUMBER: LSR8B120D010 EC8B120950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6
2.5°	6826.4	6823.2	6826.4	6829.7	6826.4	6823.2	6826.4	6829.7	6816.5	6813.3	6819.8
5°	6971.5	6971.5	6978.0	6981.4	6978.0	6971.5	6971.5	6958.3	6948.4	6938.5	6935.3
7.5°	7096.7	7103.4	7109.9	7113.1	7109.9	7103.4	7096.7	7076.9	7057.1	7040.7	7027.5
10°	7172.5	7182.5	7195.6	7202.1	7195.6	7182.5	7172.5	7149.5	7123.0	7096.7	7076.9
12.5°	7205.5	7215.4	7231.8	7228.6	7231.8	7215.4	7205.5	7172.5	7142.8	7106.6	7076.9
15°	7182.5	7195.6	7212.0	7218.7	7212.0	7195.6	7182.5	7149.5	7123.0	7083.5	7053.8
17.5°	7109.9	7129.7	7139.6	7149.5	7139.6	7129.7	7109.9	7083.5	7047.3	7014.4	6984.6
20°	7011.0	7024.3	7037.4	7040.7	7037.4	7024.3	7011.0	6981.4	6925.4	6918.7	6895.6
22.5°	6869.3	6879.2	6908.8	6898.9	6908.8	6879.2	6869.3	6842.9	6823.2	6786.8	6763.8
25°	6664.9	6674.8	6678.2	6681.4	6678.2	6674.8	6664.9	6641.8	6622.1	6595.7	6582.5
27.5°	6312.2	6312.2	6318.8	6322.1	6318.8	6312.2	6312.2	6295.7	6282.5	6269.4	6256.2
30°	5778.2	5778.2	5778.2	5794.8	5778.2	5778.2	5778.2	5775.0	5775.0	5778.2	5778.2
32.5°	5161.9	5155.2	5148.7	5155.2	5148.7	5155.2	5161.9	5165.1	5161.9	5171.8	5188.2
35°	4463.0	4459.7	4469.6	4456.5	4469.6	4459.7	4463.0	4463.0	4476.3	4489.5	4492.7
37.5°	3793.9	3787.3	3800.5	3787.3	3800.5	3787.3	3793.9	3790.6	3787.3	3793.9	3784.1
40°	3157.8	3164.3	3164.3	3190.8	3164.3	3164.3	3157.8	3151.2	3128.1	3114.9	3101.8
42.5°	2548.0	2567.8	2561.1	2580.9	2561.1	2567.8	2548.0	2534.8	2508.3	2485.3	2465.6
45°	1971.1	1984.4	1984.4	1990.9	1984.4	1984.4	1971.1	1957.9	1934.8	1915.0	1901.9
47.5°	1512.9	1512.9	1512.9	1516.3	1512.9	1512.9	1512.9	1489.8	1483.3	1470.2	1453.6
50°	1150.4	1153.6	1157.0	1160.3	1157.0	1153.6	1150.4	1143.7	1140.5	1133.8	1130.6
52.5°	883.4	886.6	880.1	886.6	880.1	886.6	883.4	886.6	876.7	876.7	873.5
55°	669.1	665.9	669.1	672.4	669.1	665.9	669.1	669.1	665.9	665.9	665.9
57.5°	491.1	484.5	484.5	484.5	484.5	484.5	491.1	487.9	497.8	491.1	494.4
60°	365.9	369.2	369.2	372.4	369.2	369.2	365.9	372.4	372.4	375.8	375.8
62.5°	270.3	280.2	273.5	280.2	273.5	280.2	270.3	273.5	273.5	276.9	280.2
65°	174.7	174.7	174.7	178.0	174.7	174.7	174.7	178.0	181.3	178.0	187.9
67.5°	118.7	122.0	128.6	125.2	128.6	122.0	118.7	122.0	122.0	131.9	128.6
70°	95.7	85.7	85.7	95.7	85.7	85.7	95.7	89.0	85.7	92.3	89.0
72.5°	56.0	49.4	56.0	56.0	56.0	49.4	56.0	49.4	52.8	52.8	59.3
75°	29.7	26.3	23.1	33.0	23.1	26.3	29.7	29.7	29.7	29.7	33.0
77.5°	19.8	16.4	23.1	23.1	23.1	16.4	19.8	16.4	19.8	16.4	19.8
80°	9.9	13.2	9.9	16.4	9.9	13.2	9.9	16.4	9.9	13.2	13.2
82.5°	3.3	6.6	6.6	6.6	6.6	6.6	3.3	3.3	6.6	6.6	3.3
85°	0.0	6.6	3.3	3.3	3.3	6.6	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	0.0	0.0	3.3	0.0	0.0	3.3	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: P248628

CATALOG NUMBER: LSR8B120D010 EC8B120950 8LBSWOH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6
2.5°	6819.8	6809.9	6813.3	6793.5	6793.5	6786.8	6790.2	6773.7	6767.2	6760.5	6770.4
5°	6918.7	6902.3	6889.0	6859.4	6842.9	6823.2	6813.3	6786.8	6763.8	6744.0	6740.7
7.5°	6997.8	6961.6	6938.5	6898.9	6869.3	6846.3	6813.3	6776.9	6747.3	6720.9	6701.2
10°	7030.8	6994.5	6958.3	6908.8	6875.8	6833.0	6800.0	6753.9	6714.4	6678.2	6655.0
12.5°	7034.0	6987.9	6954.9	6898.9	6856.0	6809.9	6773.7	6720.9	6674.8	6638.5	6602.3
15°	7004.4	6961.6	6922.0	6862.7	6819.8	6776.9	6734.2	6678.2	6635.3	6592.4	6566.1
17.5°	6938.5	6898.9	6852.8	6796.7	6757.3	6717.6	6671.5	6625.4	6575.9	6529.7	6496.8
20°	6852.8	6809.9	6770.4	6714.4	6681.4	6638.5	6595.7	6546.3	6506.7	6460.5	6424.3
22.5°	6724.3	6684.7	6648.4	6615.5	6562.7	6529.7	6500.1	6444.1	6404.5	6361.6	6322.1
25°	6539.6	6500.1	6470.4	6430.8	6407.8	6371.5	6341.8	6292.4	6256.2	6216.6	6183.6
27.5°	6236.4	6213.3	6196.8	6173.7	6154.0	6137.5	6121.1	6081.5	6055.1	6018.9	5985.9
30°	5781.5	5778.2	5768.3	5758.4	5771.6	5771.6	5771.6	5765.1	5742.0	5715.5	5692.5
32.5°	5198.1	5204.7	5217.9	5227.8	5254.1	5283.8	5310.2	5323.3	5323.3	5306.9	5297.0
35°	4502.6	4512.5	4532.3	4558.7	4591.6	4627.8	4687.1	4700.4	4710.2	4710.2	4697.0
37.5°	3780.7	3777.4	3797.2	3820.3	3840.1	3866.4	3909.3	3919.2	3935.6	3929.1	3915.8
40°	3078.6	3062.2	3055.5	3062.2	3085.2	3075.3	3085.2	3078.6	3078.6	3055.5	3055.5
42.5°	2429.2	2409.6	2396.3	2386.5	2386.5	2363.3	2346.9	2330.5	2320.6	2304.0	2300.8
45°	1872.3	1849.1	1832.7	1826.0	1816.3	1786.6	1766.7	1746.9	1723.9	1717.4	1720.6
47.5°	1453.6	1430.5	1423.9	1407.5	1390.9	1374.5	1361.4	1338.3	1334.9	1321.7	1334.9
50°	1120.7	1114.2	1104.3	1097.6	1087.7	1074.5	1061.4	1048.2	1041.6	1041.6	1044.8
52.5°	870.2	873.5	863.6	853.7	847.1	847.1	830.6	827.3	827.3	814.2	827.3
55°	665.9	662.5	665.9	659.2	659.2	649.3	649.3	639.4	639.4	629.5	636.2
57.5°	487.9	494.4	487.9	491.1	497.8	487.9	484.5	474.6	481.2	474.6	478.0
60°	379.1	379.1	379.1	375.8	375.8	372.4	372.4	369.2	369.2	362.5	369.2
62.5°	280.2	283.4	283.4	283.4	286.8	283.4	280.2	283.4	280.2	280.2	283.4
65°	184.7	187.9	187.9	184.7	191.2	184.7	187.9	191.2	194.4	191.2	194.4
67.5°	125.2	125.2	128.6	131.9	128.6	131.9	135.1	131.9	135.1	141.8	135.1
70°	92.3	95.7	95.7	92.3	89.0	92.3	89.0	98.9	98.9	98.9	105.4
72.5°	59.3	59.3	56.0	56.0	56.0	56.0	56.0	65.9	59.3	56.0	62.7
75°	33.0	36.2	36.2	26.3	29.7	36.2	26.3	29.7	39.6	33.0	39.6
77.5°	19.8	19.8	19.8	19.8	19.8	19.8	26.3	23.1	23.1	23.1	26.3
80°	16.4	13.2	13.2	9.9	13.2	13.2	13.2	19.8	16.4	16.4	19.8
82.5°	6.6	6.6	3.3	0.0	6.6	6.6	6.6	6.6	6.6	6.6	13.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	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: P248628

CATALOG NUMBER: LSR8B120D010 EC8B120950 8LBSWOH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6
2.5°	6744.0	6744.0	6740.7	6734.2	6720.9	6720.9	6717.6	6707.7	6701.2	6697.8	6697.8
5°	6711.0	6697.8	6684.7	6648.4	6648.4	6641.8	6622.1	6608.8	6602.3	6585.8	6579.2
7.5°	6681.4	6641.8	6618.7	6595.7	6566.1	6552.8	6529.7	6519.8	6496.8	6480.3	6470.4
10°	6608.8	6582.5	6552.8	6516.6	6493.5	6467.2	6440.7	6421.1	6391.3	6374.8	6361.6
12.5°	6559.4	6519.8	6493.5	6453.9	6414.4	6391.3	6355.1	6332.0	6302.3	6269.4	6249.6
15°	6513.3	6470.4	6434.2	6391.3	6348.5	6322.1	6279.3	6252.9	6210.1	6177.1	6154.0
17.5°	6444.1	6407.8	6368.3	6315.5	6276.0	6243.0	6196.8	6163.9	6124.3	6081.5	6058.4
20°	6371.5	6328.7	6289.2	6236.4	6196.8	6157.3	6111.2	6074.9	6028.7	5989.2	5962.9
22.5°	6276.0	6226.5	6193.5	6140.7	6094.6	6051.9	6009.0	5966.1	5923.3	5890.3	5860.6
25°	6137.5	6084.7	6048.5	6005.6	5962.9	5929.9	5877.1	5850.8	5807.9	5778.2	5748.5
27.5°	5939.7	5900.2	5867.2	5824.4	5788.1	5761.8	5722.2	5695.9	5659.5	5633.2	5610.1
30°	5649.7	5616.8	5587.1	5544.2	5517.9	5494.8	5458.4	5435.4	5409.1	5379.3	5372.8
32.5°	5260.8	5234.3	5204.7	5175.0	5155.2	5142.0	5112.3	5099.2	5072.9	5056.3	5039.9
35°	4674.0	4650.9	4634.5	4621.3	4614.7	4617.9	4611.4	4624.6	4631.1	4627.8	4631.1
37.5°	3906.1	3892.8	3899.4	3909.3	3942.3	3985.2	4024.6	4083.9	4123.5	4163.2	4199.4
40°	3049.0	3058.9	3085.2	3144.5	3230.3	3325.9	3414.9	3527.0	3639.1	3718.1	3790.6
42.5°	2300.8	2330.5	2396.3	2482.0	2610.6	2752.3	2890.8	3055.5	3190.8	3322.5	3414.9
45°	1730.5	1770.0	1855.8	1974.5	2116.1	2281.0	2455.7	2640.2	2801.8	2936.9	3039.1
47.5°	1348.2	1384.4	1470.2	1595.4	1770.0	1941.5	2122.8	2313.9	2482.0	2613.9	2702.9
50°	1064.6	1110.8	1186.6	1318.5	1493.2	1674.5	1862.4	2050.2	2208.5	2320.6	2399.7
52.5°	837.2	880.1	952.6	1091.1	1269.1	1450.4	1625.0	1809.6	1948.0	2056.8	2109.6
55°	649.3	689.0	764.7	880.1	1048.2	1226.2	1400.8	1559.2	1687.7	1766.7	1816.3
57.5°	494.4	524.1	576.9	692.2	843.9	1008.6	1157.0	1315.2	1414.1	1470.2	1503.0
60°	375.8	398.9	454.9	543.9	682.3	824.1	949.3	1068.0	1147.1	1193.3	1226.2
62.5°	283.4	309.9	349.4	425.2	530.6	646.1	751.5	840.5	906.4	936.2	959.2
65°	194.4	214.2	243.9	303.2	392.2	474.6	557.1	623.0	665.9	698.9	712.0
67.5°	145.0	158.2	174.7	220.9	283.4	349.4	405.4	451.5	497.8	510.9	534.0
70°	108.8	118.7	135.1	168.1	204.3	250.5	296.7	323.0	356.0	379.1	385.7
72.5°	69.2	72.4	89.0	108.8	138.4	168.1	197.8	220.9	240.7	253.8	260.4
75°	39.6	59.3	59.3	79.1	98.9	112.1	131.9	148.3	158.2	168.1	168.1
77.5°	26.3	36.2	39.6	49.4	59.3	75.8	92.3	102.2	112.1	115.3	115.3
80°	23.1	26.3	26.3	36.2	42.9	56.0	65.9	69.2	75.8	79.1	85.7
82.5°	9.9	13.2	16.4	26.3	29.7	29.7	39.6	42.9	49.4	52.8	52.8
85°	3.3	6.6	6.6	9.9	16.4	19.8	23.1	26.3	29.7	29.7	33.0
87.5°	3.3	3.3	0.0	3.3	6.6	6.6	13.2	13.2	13.2	19.8	19.8
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: P248628

CATALOG NUMBER: LSR8B120D010 EC8B120950 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6	6750.6
2.5°	6691.3	6694.6	6681.4	6678.2	6671.5	6674.8	6681.4
5°	6569.3	6572.6	6559.4	6546.3	6546.3	6542.9	6546.3
7.5°	6453.9	6457.3	6437.5	6430.8	6417.7	6421.1	6421.1
10°	6338.6	6338.6	6309.0	6305.6	6295.7	6292.4	6292.4
12.5°	6226.5	6216.6	6193.5	6180.4	6187.0	6167.2	6167.2
15°	6127.6	6111.2	6081.5	6071.6	6055.1	6048.5	6048.5
17.5°	6025.4	6012.3	5985.9	5966.1	5946.3	5943.1	5946.3
20°	5926.5	5913.4	5880.4	5867.2	5850.8	5850.8	5844.2
22.5°	5827.6	5814.5	5784.9	5775.0	5751.9	5751.9	5755.2
25°	5725.4	5715.5	5682.6	5676.1	5672.8	5659.5	5666.2
27.5°	5587.1	5580.4	5554.1	5544.2	5531.0	5527.8	5534.3
30°	5333.2	5323.3	5303.6	5293.7	5270.7	5273.9	5280.4
32.5°	5016.8	5003.7	4977.2	4967.3	4947.6	4941.0	4944.2
35°	4621.3	4611.4	4588.4	4588.4	4568.6	4561.9	4568.6
37.5°	4219.2	4229.0	4219.2	4229.0	4219.2	4215.8	4219.2
40°	3840.1	3876.3	3882.9	3919.2	3906.1	3925.7	3922.5
42.5°	3477.5	3536.8	3560.0	3589.5	3583.0	3596.2	3606.1
45°	3111.6	3161.1	3184.1	3203.9	3207.2	3213.8	3217.1
47.5°	2765.4	2805.1	2808.3	2831.4	2828.1	2828.1	2838.0
50°	2442.5	2468.9	2475.4	2491.9	2478.8	2472.1	2475.4
52.5°	2142.6	2168.9	2162.2	2168.9	2152.5	2145.8	2149.1
55°	1835.9	1849.1	1849.1	1849.1	1829.4	1829.4	1829.4
57.5°	1522.8	1526.2	1519.6	1522.8	1519.6	1499.7	1496.5
60°	1236.1	1236.1	1232.7	1236.1	1226.2	1216.3	1216.3
62.5°	965.7	972.4	985.5	972.4	965.7	972.4	962.5
65°	721.9	735.1	731.7	738.3	735.1	735.1	728.4
67.5°	543.9	547.2	550.4	553.8	553.8	553.8	553.8
70°	398.9	408.8	405.4	405.4	405.4	405.4	425.2
72.5°	267.0	280.2	276.9	283.4	283.4	290.1	283.4
75°	181.3	194.4	187.9	197.8	194.4	187.9	204.3
77.5°	122.0	128.6	131.9	135.1	131.9	128.6	131.9
80°	85.7	92.3	89.0	92.3	92.3	92.3	95.7
82.5°	52.8	62.7	59.3	62.7	59.3	62.7	62.7
85°	36.2	39.6	33.0	39.6	36.2	36.2	42.9
87.5°	23.1	19.8	19.8	23.1	19.8	23.1	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)