

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: P248583

Luminaire Tested: **LD8B120D010 ER8B120850 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248583
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: LD8B120D010 ER8B120850 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12490.0 lumens
Efficiency: N/A
Efficacy: 105.6 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

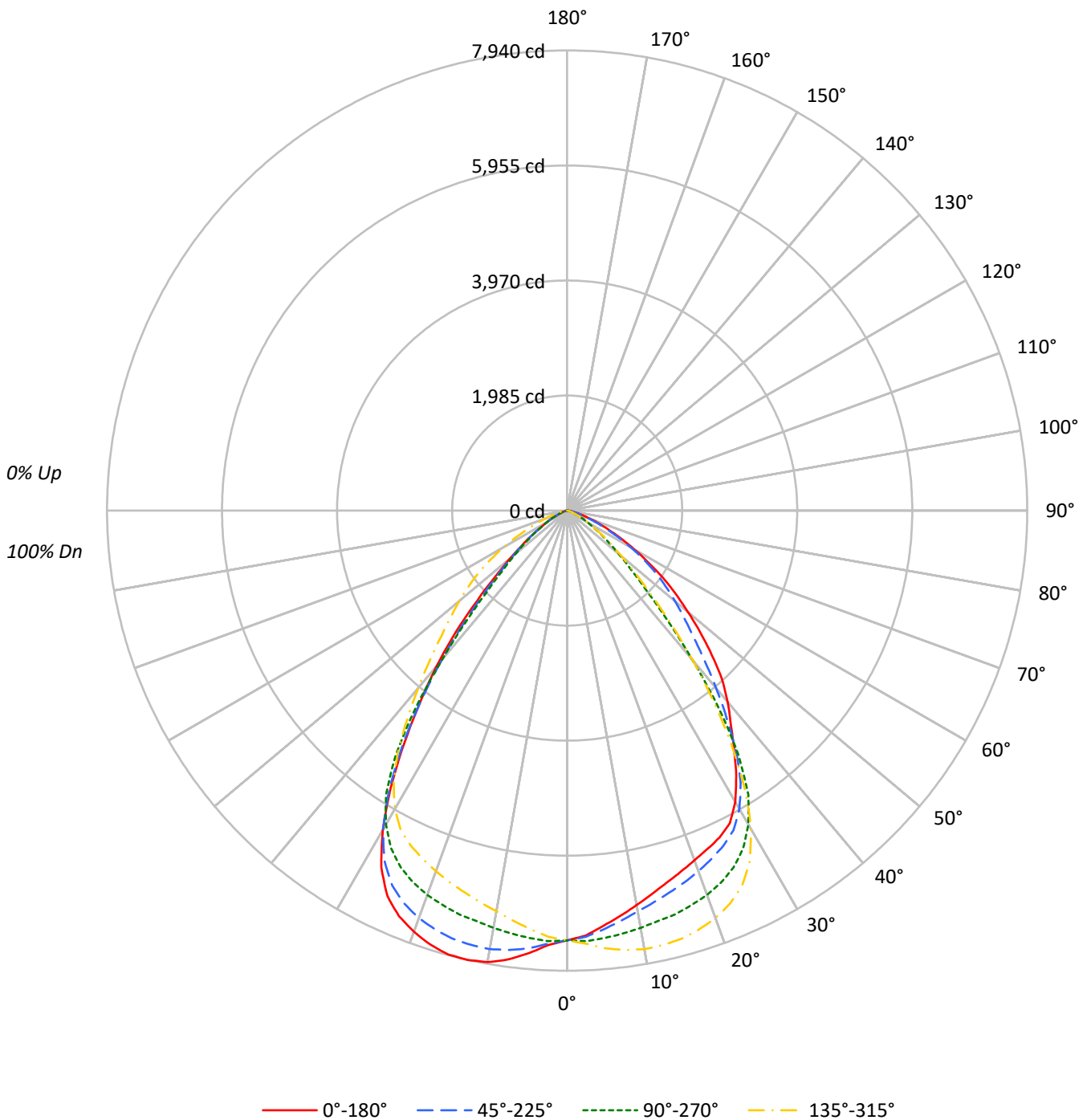
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	228648	228648	228648	228648
5°	222575	229184	237368	229184
10°	216419	228888	247706	228888
15°	212094	230243	253129	230243
20°	210651	231561	253777	231561
25°	211759	231095	249700	231095
30°	206522	222638	226637	222638
35°	188902	194218	184268	194218
40°	173434	135100	141082	135100
45°	154102	82417	95364	82417
50°	130438	55054	61141	55054
55°	108034	37569	39708	37569
60°	82395	25008	25230	25008
65°	58379	15585	14265	15585
70°	42104	10440	9476	10440
75°	26736	5183	4313	5183
80°	18664	3871	3196	3871
85°	16664	0	1274	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.8	5.7
10°-20°	2043.7	16.4
20°-30°	3094.7	24.8
30°-40°	3101.6	24.8
40°-50°	1947.7	15.6
50°-60°	1037.9	8.3
60°-70°	426.8	3.4
70°-80°	112.8	0.9
80°-90°	19.1	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°	5844.2	46.8
0°-40°	8945.8	71.6
0°-60°	11931.4	95.5
0°-90°	12490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12490.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7415	7415	7415	7415	7415	
5°	7190	7404	7668	7404	7190	678
15°	6644	7212	7929	7212	6644	1879
25°	6224	6792	7339	6792	6224	2854
35°	5018	5159	4895	5159	5018	3144
45°	3534	1890	2187	1890	3534	2718
55°	2010	699	739	699	2010	1792
65°	800	214	196	214	800	830
75°	224	44	36	44	224	254
85°	47	0	4	0	47	52
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°	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9
2.5°	7338.9	7331.6	7328.0	7335.3	7338.9	7353.4	7349.8	7356.9	7356.9	7360.7	7367.8
5°	7190.5	7186.8	7190.5	7190.5	7204.9	7219.4	7215.8	7226.7	7233.9	7252.0	7259.2
7.5°	7052.9	7052.9	7049.2	7063.7	7071.0	7092.7	7089.0	7107.2	7118.1	7136.1	7161.4
10°	6911.7	6911.7	6915.2	6926.1	6929.8	6962.3	6962.3	6987.7	7002.1	7020.3	7052.9
12.5°	6774.1	6774.1	6795.9	6788.6	6803.0	6828.4	6839.2	6864.6	6886.3	6922.5	6955.2
15°	6643.7	6643.7	6651.0	6669.0	6679.9	6712.6	6730.6	6759.7	6785.0	6821.2	6868.3
17.5°	6531.5	6527.9	6531.5	6553.3	6575.0	6603.9	6618.4	6654.6	6679.9	6727.0	6770.5
20°	6419.3	6426.6	6426.6	6444.6	6459.1	6495.3	6509.7	6549.7	6578.6	6622.0	6672.8
22.5°	6321.5	6317.9	6317.9	6343.3	6354.2	6386.6	6401.1	6437.3	6469.9	6506.2	6553.3
25°	6223.8	6216.5	6231.1	6234.6	6241.8	6278.0	6288.9	6314.2	6346.9	6379.5	6426.6
27.5°	6078.9	6071.7	6075.3	6089.8	6100.7	6129.6	6136.9	6162.2	6187.5	6216.5	6256.4
30°	5800.1	5792.9	5789.3	5814.7	5825.6	5847.2	5858.0	5901.6	5908.7	5941.4	5970.3
32.5°	5430.8	5427.2	5434.5	5456.1	5467.0	5496.1	5510.5	5535.9	5553.9	5572.1	5601.0
35°	5018.1	5010.8	5018.1	5039.9	5039.9	5065.2	5076.1	5086.8	5083.3	5086.8	5079.7
37.5°	4634.4	4630.7	4634.4	4645.1	4634.4	4645.1	4634.4	4612.6	4572.9	4529.3	4485.8
40°	4308.5	4312.1	4290.4	4304.9	4265.0	4257.8	4218.0	4163.6	4084.0	3997.2	3874.1
42.5°	3961.0	3950.1	3935.6	3942.8	3910.3	3884.8	3819.7	3751.0	3649.5	3504.8	3356.2
45°	3533.7	3530.1	3522.8	3519.2	3497.5	3472.1	3417.8	3338.2	3226.0	3077.5	2900.0
47.5°	3117.3	3106.4	3106.4	3110.0	3084.7	3081.1	3037.6	2968.9	2871.1	2726.3	2541.6
50°	2719.0	2715.4	2722.7	2737.2	2719.0	2711.8	2682.9	2635.8	2548.9	2425.8	2251.9
52.5°	2360.6	2357.0	2364.3	2382.3	2375.0	2382.3	2353.4	2317.2	2259.2	2139.7	1987.7
55°	2009.5	2009.5	2009.5	2031.1	2031.1	2031.1	2016.6	1995.0	1940.6	1853.7	1712.6
57.5°	1643.8	1647.3	1669.1	1672.7	1669.1	1676.4	1672.7	1650.9	1614.8	1553.3	1444.7
60°	1336.0	1336.0	1346.9	1357.8	1354.0	1357.8	1357.8	1346.9	1310.7	1260.0	1173.1
62.5°	1057.2	1068.1	1060.8	1068.1	1082.5	1068.1	1060.8	1053.6	1028.3	995.6	923.2
65°	800.1	807.4	807.4	811.0	803.7	807.4	793.0	782.1	767.6	731.4	684.3
67.5°	608.3	608.3	608.3	608.3	604.6	601.0	597.4	586.6	561.2	546.8	496.0
70°	467.0	445.3	445.3	445.3	445.3	449.0	438.1	423.7	416.4	391.0	354.8
72.5°	311.3	318.6	311.3	311.3	304.2	307.7	293.3	286.0	278.8	264.4	242.6
75°	224.4	206.4	213.6	217.3	206.4	213.6	199.1	184.6	184.6	173.8	162.9
77.5°	144.9	141.3	144.9	148.4	144.9	141.3	134.0	126.7	126.7	123.1	112.2
80°	105.1	101.3	101.3	101.3	97.8	101.3	94.2	94.2	86.9	83.3	76.0
82.5°	68.8	68.8	65.1	68.8	65.1	68.8	58.0	58.0	58.0	54.2	47.1
85°	47.1	39.8	39.8	43.5	36.2	43.5	39.8	36.2	32.6	32.6	28.9
87.5°	21.8	25.3	21.8	25.3	21.8	21.8	25.3	21.8	21.8	14.5	14.5
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°	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9
2.5°	7378.7	7382.3	7382.3	7396.9	7404.0	7407.6	7407.6	7436.7	7425.8	7433.1	7440.3
5°	7273.8	7295.4	7302.7	7302.7	7342.5	7356.9	7371.4	7404.0	7407.6	7429.4	7454.7
7.5°	7172.3	7197.6	7212.2	7244.7	7270.1	7295.4	7338.9	7360.7	7382.3	7411.3	7443.8
10°	7074.5	7103.6	7132.5	7157.8	7197.6	7230.3	7259.2	7309.9	7335.3	7375.1	7418.5
12.5°	6980.5	7020.3	7045.6	7089.0	7132.5	7161.4	7204.9	7252.0	7291.8	7331.6	7382.3
15°	6897.2	6944.3	6973.2	7020.3	7067.4	7107.2	7154.3	7212.2	7241.2	7288.2	7335.3
17.5°	6806.6	6857.4	6893.6	6937.0	6995.0	7038.3	7078.3	7136.1	7172.3	7223.0	7277.4
20°	6712.6	6763.2	6806.6	6850.1	6908.1	6951.4	6998.5	7056.5	7096.3	7147.0	7190.5
22.5°	6600.3	6647.4	6694.4	6745.0	6803.0	6839.2	6893.6	6944.3	6987.7	7034.8	7078.3
25°	6455.5	6513.5	6549.7	6596.6	6643.7	6683.5	6741.5	6792.1	6828.4	6871.9	6911.7
27.5°	6285.3	6328.8	6357.7	6397.5	6444.6	6480.8	6524.2	6575.0	6611.2	6651.0	6679.9
30°	5995.6	6035.5	6060.9	6089.8	6136.9	6169.5	6205.7	6252.7	6278.0	6307.1	6332.4
32.5°	5615.4	5648.1	5662.5	5684.3	5716.9	5749.4	5778.5	5818.3	5829.1	5847.2	5847.2
35°	5065.2	5072.4	5068.8	5076.1	5090.6	5108.6	5133.9	5159.3	5173.7	5173.7	5163.0
37.5°	4420.7	4377.3	4330.2	4294.0	4283.1	4275.8	4290.4	4301.2	4315.8	4322.9	4304.9
40°	3751.0	3653.2	3548.2	3454.0	3388.8	3359.9	3349.1	3356.2	3356.2	3381.5	3381.5
42.5°	3175.3	3023.1	2867.6	2726.3	2632.1	2559.8	2527.2	2527.2	2530.8	2548.9	2559.8
45°	2697.4	2505.4	2324.4	2168.8	2038.4	1944.2	1900.8	1889.9	1886.4	1893.5	1918.9
47.5°	2331.7	2132.6	1944.2	1752.4	1614.8	1520.7	1480.9	1466.3	1451.8	1466.3	1470.0
50°	2045.7	1839.3	1640.2	1448.2	1303.4	1220.1	1169.4	1147.6	1144.1	1144.1	1151.4
52.5°	1784.9	1593.1	1394.0	1198.5	1046.3	966.7	919.6	908.8	894.3	908.8	908.8
55°	1538.7	1346.9	1151.4	966.7	839.9	756.8	713.2	698.8	691.5	702.4	702.4
57.5°	1270.9	1107.9	926.9	760.3	633.7	575.7	543.0	525.0	521.3	528.6	521.3
60°	1042.7	905.2	749.4	597.4	499.7	438.1	412.8	405.5	398.2	405.5	405.5
62.5°	825.5	709.7	582.8	467.0	383.7	340.4	311.3	311.3	307.7	307.7	311.3
65°	611.9	521.3	430.8	333.1	267.9	235.3	213.6	213.6	210.0	213.6	210.0
67.5°	445.3	383.7	311.3	242.6	191.9	173.8	159.3	148.4	155.7	148.4	144.9
70°	325.9	275.1	224.4	184.6	148.4	130.4	119.5	115.8	108.6	108.6	108.6
72.5°	217.3	184.6	152.0	119.5	97.8	79.6	76.0	68.8	61.5	65.1	72.4
75°	144.9	123.1	108.6	86.9	65.1	65.1	43.5	43.5	36.2	43.5	32.6
77.5°	101.3	83.3	65.1	54.2	43.5	39.8	28.9	28.9	25.3	25.3	25.3
80°	72.4	61.5	47.1	39.8	28.9	28.9	25.3	21.8	18.0	18.0	21.8
82.5°	43.5	32.6	32.6	28.9	18.0	14.5	10.9	14.5	7.3	7.3	7.3
85°	25.3	21.8	18.0	10.9	7.3	7.3	3.6	0.0	3.6	3.6	0.0
87.5°	14.5	7.3	7.3	3.6	0.0	3.6	3.6	0.0	0.0	0.0	7.3
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°	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9
2.5°	7458.4	7454.7	7462.0	7462.0	7483.8	7480.0	7490.9	7490.9	7483.8	7487.3	7501.8
5°	7483.8	7494.6	7516.3	7534.4	7566.9	7581.5	7599.6	7617.7	7621.3	7632.2	7643.1
7.5°	7483.8	7520.0	7545.3	7577.8	7621.3	7646.7	7686.4	7719.1	7733.5	7751.6	7773.3
10°	7469.2	7505.4	7552.5	7588.7	7643.1	7682.9	7722.7	7773.3	7795.1	7824.0	7853.1
12.5°	7440.3	7480.0	7530.7	7577.8	7639.4	7675.6	7726.2	7773.3	7806.0	7845.8	7878.4
15°	7396.9	7443.8	7490.9	7538.0	7603.1	7646.7	7693.7	7748.0	7780.6	7824.0	7853.1
17.5°	7328.0	7378.7	7422.2	7465.6	7527.1	7577.8	7621.3	7672.0	7704.6	7740.8	7780.6
20°	7244.7	7291.8	7338.9	7375.1	7436.7	7480.0	7527.1	7574.2	7599.6	7606.9	7668.4
22.5°	7139.8	7172.3	7208.5	7266.5	7302.7	7342.5	7386.0	7429.4	7454.7	7494.6	7516.3
25°	6965.9	6998.5	7038.3	7063.7	7107.2	7139.8	7183.2	7230.3	7244.7	7273.8	7295.4
27.5°	6723.4	6741.5	6759.7	6781.3	6806.6	6824.8	6850.1	6871.9	6886.3	6900.8	6915.2
30°	6339.5	6339.5	6339.5	6325.1	6336.0	6346.9	6350.4	6346.9	6346.9	6343.3	6343.3
32.5°	5832.7	5803.8	5771.2	5742.3	5731.4	5716.9	5709.6	5698.7	5680.7	5669.8	5673.4
35°	5148.4	5083.3	5043.5	5007.3	4978.3	4956.6	4945.7	4934.8	4931.3	4916.8	4902.2
37.5°	4294.0	4246.9	4218.0	4196.3	4170.9	4149.2	4152.7	4156.5	4167.2	4160.0	4163.6
40°	3388.8	3378.0	3388.8	3363.5	3356.2	3363.5	3381.5	3407.0	3421.5	3435.9	3461.3
42.5°	2577.8	2595.9	2621.4	2621.4	2632.1	2646.7	2668.3	2708.2	2729.9	2755.2	2784.2
45°	1940.6	1962.4	1995.0	2005.7	2013.0	2031.1	2056.6	2089.0	2103.5	2125.3	2150.6
47.5°	1495.3	1509.8	1527.8	1546.0	1564.0	1571.3	1596.7	1596.7	1614.8	1629.3	1636.5
50°	1165.8	1180.3	1194.7	1205.6	1212.9	1223.8	1231.0	1241.8	1245.4	1252.7	1256.3
52.5°	912.3	930.5	930.5	937.7	948.5	959.4	955.9	959.4	963.0	963.0	973.9
55°	713.2	713.2	724.1	724.1	731.4	727.7	731.4	731.4	731.4	731.4	735.0
57.5°	532.2	535.9	546.8	539.5	535.9	543.0	535.9	543.0	539.5	546.8	535.9
60°	409.1	409.1	412.8	412.8	416.4	416.4	416.4	412.8	412.8	409.1	409.1
62.5°	307.7	311.3	315.0	311.3	311.3	311.3	307.7	307.7	304.2	300.4	300.4
65°	206.4	202.8	210.0	202.8	206.4	206.4	202.8	206.4	195.5	199.1	195.5
67.5°	148.4	144.9	141.3	144.9	141.3	137.6	137.6	141.3	144.9	134.0	134.0
70°	97.8	101.3	97.8	101.3	105.1	105.1	101.3	97.8	101.3	94.2	97.8
72.5°	61.5	61.5	61.5	61.5	61.5	65.1	65.1	65.1	58.0	58.0	54.2
75°	28.9	39.8	32.6	28.9	39.8	39.8	36.2	36.2	32.6	32.6	32.6
77.5°	28.9	21.8	21.8	21.8	21.8	21.8	21.8	21.8	18.0	21.8	18.0
80°	14.5	14.5	14.5	10.9	14.5	14.5	18.0	14.5	14.5	10.9	18.0
82.5°	7.3	7.3	7.3	0.0	3.6	7.3	7.3	3.6	7.3	7.3	3.6
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: P248583

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9
2.5°	7498.2	7494.6	7498.2	7501.8	7498.2	7494.6	7498.2	7501.8	7487.3	7483.8	7490.9
5°	7657.5	7657.5	7664.7	7668.4	7664.7	7657.5	7657.5	7643.1	7632.2	7621.3	7617.7
7.5°	7795.1	7802.4	7809.5	7813.1	7809.5	7802.4	7795.1	7773.3	7751.6	7733.5	7719.1
10°	7878.4	7889.3	7903.7	7910.9	7903.7	7889.3	7878.4	7853.1	7824.0	7795.1	7773.3
12.5°	7914.6	7925.5	7943.5	7939.9	7943.5	7925.5	7914.6	7878.4	7845.8	7806.0	7773.3
15°	7889.3	7903.7	7921.8	7929.1	7921.8	7903.7	7889.3	7853.1	7824.0	7780.6	7748.0
17.5°	7809.5	7831.3	7842.2	7853.1	7842.2	7831.3	7809.5	7780.6	7740.8	7704.6	7672.0
20°	7700.9	7715.5	7730.0	7733.5	7730.0	7715.5	7700.9	7668.4	7606.9	7599.6	7574.2
22.5°	7545.3	7556.2	7588.7	7577.8	7588.7	7556.2	7545.3	7516.3	7494.6	7454.7	7429.4
25°	7320.7	7331.6	7335.3	7338.9	7335.3	7331.6	7320.7	7295.4	7273.8	7244.7	7230.3
27.5°	6933.4	6933.4	6940.6	6944.3	6940.6	6933.4	6933.4	6915.2	6900.8	6886.3	6871.9
30°	6346.9	6346.9	6346.9	6365.0	6346.9	6346.9	6346.9	6343.3	6343.3	6346.9	6346.9
32.5°	5669.8	5662.5	5655.4	5662.5	5655.4	5662.5	5669.8	5673.4	5669.8	5680.7	5698.7
35°	4902.2	4898.6	4909.5	4895.0	4909.5	4898.6	4902.2	4902.2	4916.8	4931.3	4934.8
37.5°	4167.2	4160.0	4174.5	4160.0	4174.5	4160.0	4167.2	4163.6	4160.0	4167.2	4156.5
40°	3468.6	3475.7	3475.7	3504.8	3475.7	3475.7	3468.6	3461.3	3435.9	3421.5	3407.0
42.5°	2798.7	2820.5	2813.2	2834.9	2813.2	2820.5	2798.7	2784.2	2755.2	2729.9	2708.2
45°	2165.0	2179.6	2179.6	2186.8	2179.6	2179.6	2165.0	2150.6	2125.3	2103.5	2089.0
47.5°	1661.8	1661.8	1661.8	1665.5	1661.8	1661.8	1661.8	1636.5	1629.3	1614.8	1596.7
50°	1263.6	1267.2	1270.9	1274.5	1270.9	1267.2	1263.6	1256.3	1252.7	1245.4	1241.8
52.5°	970.3	973.9	966.7	973.9	966.7	973.9	970.3	973.9	963.0	963.0	959.4
55°	735.0	731.4	735.0	738.6	735.0	731.4	735.0	735.0	731.4	731.4	731.4
57.5°	539.5	532.2	532.2	532.2	532.2	532.2	539.5	535.9	546.8	539.5	543.0
60°	401.9	405.5	405.5	409.1	405.5	405.5	401.9	409.1	409.1	412.8	412.8
62.5°	296.9	307.7	300.4	307.7	300.4	307.7	296.9	300.4	300.4	304.2	307.7
65°	191.9	191.9	191.9	195.5	191.9	191.9	191.9	195.5	199.1	195.5	206.4
67.5°	130.4	134.0	141.3	137.6	141.3	134.0	130.4	134.0	134.0	144.9	141.3
70°	105.1	94.2	94.2	105.1	94.2	94.2	105.1	97.8	94.2	101.3	97.8
72.5°	61.5	54.2	61.5	61.5	61.5	54.2	61.5	54.2	58.0	58.0	65.1
75°	32.6	28.9	25.3	36.2	25.3	28.9	32.6	32.6	32.6	32.6	36.2
77.5°	21.8	18.0	25.3	25.3	25.3	18.0	21.8	18.0	21.8	18.0	21.8
80°	10.9	14.5	10.9	18.0	10.9	14.5	10.9	18.0	10.9	14.5	14.5
82.5°	3.6	7.3	7.3	7.3	7.3	7.3	3.6	3.6	7.3	7.3	3.6
85°	0.0	7.3	3.6	3.6	3.6	7.3	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	0.0	0.0	3.6	0.0	0.0	3.6	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: P248583

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9
2.5°	7490.9	7480.0	7483.8	7462.0	7462.0	7454.7	7458.4	7440.3	7433.1	7425.8	7436.7
5°	7599.6	7581.5	7566.9	7534.4	7516.3	7494.6	7483.8	7454.7	7429.4	7407.6	7404.0
7.5°	7686.4	7646.7	7621.3	7577.8	7545.3	7520.0	7483.8	7443.8	7411.3	7382.3	7360.7
10°	7722.7	7682.9	7643.1	7588.7	7552.5	7505.4	7469.2	7418.5	7375.1	7335.3	7309.9
12.5°	7726.2	7675.6	7639.4	7577.8	7530.7	7480.0	7440.3	7382.3	7331.6	7291.8	7252.0
15°	7693.7	7646.7	7603.1	7538.0	7490.9	7443.8	7396.9	7335.3	7288.2	7241.2	7212.2
17.5°	7621.3	7577.8	7527.1	7465.6	7422.2	7378.7	7328.0	7277.4	7223.0	7172.3	7136.1
20°	7527.1	7480.0	7436.7	7375.1	7338.9	7291.8	7244.7	7190.5	7147.0	7096.3	7056.5
22.5°	7386.0	7342.5	7302.7	7266.5	7208.5	7172.3	7139.8	7078.3	7034.8	6987.7	6944.3
25°	7183.2	7139.8	7107.2	7063.7	7038.3	6998.5	6965.9	6911.7	6871.9	6828.4	6792.1
27.5°	6850.1	6824.8	6806.6	6781.3	6759.7	6741.5	6723.4	6679.9	6651.0	6611.2	6575.0
30°	6350.4	6346.9	6336.0	6325.1	6339.5	6339.5	6339.5	6332.4	6307.1	6278.0	6252.7
32.5°	5709.6	5716.9	5731.4	5742.3	5771.2	5803.8	5832.7	5847.2	5847.2	5829.1	5818.3
35°	4945.7	4956.6	4978.3	5007.3	5043.5	5083.3	5148.4	5163.0	5173.7	5173.7	5159.3
37.5°	4152.7	4149.2	4170.9	4196.3	4218.0	4246.9	4294.0	4304.9	4322.9	4315.8	4301.2
40°	3381.5	3363.5	3356.2	3363.5	3388.8	3378.0	3388.8	3381.5	3381.5	3356.2	3356.2
42.5°	2668.3	2646.7	2632.1	2621.4	2621.4	2595.9	2577.8	2559.8	2548.9	2530.8	2527.2
45°	2056.6	2031.1	2013.0	2005.7	1995.0	1962.4	1940.6	1918.9	1893.5	1886.4	1889.9
47.5°	1596.7	1571.3	1564.0	1546.0	1527.8	1509.8	1495.3	1470.0	1466.3	1451.8	1466.3
50°	1231.0	1223.8	1212.9	1205.6	1194.7	1180.3	1165.8	1151.4	1144.1	1144.1	1147.6
52.5°	955.9	959.4	948.5	937.7	930.5	930.5	912.3	908.8	908.8	894.3	908.8
55°	731.4	727.7	731.4	724.1	724.1	713.2	713.2	702.4	702.4	691.5	698.8
57.5°	535.9	543.0	535.9	539.5	546.8	535.9	532.2	521.3	528.6	521.3	525.0
60°	416.4	416.4	416.4	412.8	412.8	409.1	409.1	405.5	405.5	398.2	405.5
62.5°	307.7	311.3	311.3	311.3	315.0	311.3	307.7	311.3	307.7	307.7	311.3
65°	202.8	206.4	206.4	202.8	210.0	202.8	206.4	210.0	213.6	210.0	213.6
67.5°	137.6	137.6	141.3	144.9	141.3	144.9	148.4	144.9	148.4	155.7	148.4
70°	101.3	105.1	105.1	101.3	97.8	101.3	97.8	108.6	108.6	108.6	115.8
72.5°	65.1	65.1	61.5	61.5	61.5	61.5	61.5	72.4	65.1	61.5	68.8
75°	36.2	39.8	39.8	28.9	32.6	39.8	28.9	32.6	43.5	36.2	43.5
77.5°	21.8	21.8	21.8	21.8	21.8	21.8	28.9	25.3	25.3	25.3	28.9
80°	18.0	14.5	14.5	10.9	14.5	14.5	14.5	21.8	18.0	18.0	21.8
82.5°	7.3	7.3	3.6	0.0	7.3	7.3	7.3	7.3	7.3	7.3	14.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	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: P248583

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9
2.5°	7407.6	7407.6	7404.0	7396.9	7382.3	7382.3	7378.7	7367.8	7360.7	7356.9	7356.9
5°	7371.4	7356.9	7342.5	7302.7	7302.7	7295.4	7273.8	7259.2	7252.0	7233.9	7226.7
7.5°	7338.9	7295.4	7270.1	7244.7	7212.2	7197.6	7172.3	7161.4	7136.1	7118.1	7107.2
10°	7259.2	7230.3	7197.6	7157.8	7132.5	7103.6	7074.5	7052.9	7020.3	7002.1	6987.7
12.5°	7204.9	7161.4	7132.5	7089.0	7045.6	7020.3	6980.5	6955.2	6922.5	6886.3	6864.6
15°	7154.3	7107.2	7067.4	7020.3	6973.2	6944.3	6897.2	6868.3	6821.2	6785.0	6759.7
17.5°	7078.3	7038.3	6995.0	6937.0	6893.6	6857.4	6806.6	6770.5	6727.0	6679.9	6654.6
20°	6998.5	6951.4	6908.1	6850.1	6806.6	6763.2	6712.6	6672.8	6622.0	6578.6	6549.7
22.5°	6893.6	6839.2	6803.0	6745.0	6694.4	6647.4	6600.3	6553.3	6506.2	6469.9	6437.3
25°	6741.5	6683.5	6643.7	6596.6	6549.7	6513.5	6455.5	6426.6	6379.5	6346.9	6314.2
27.5°	6524.2	6480.8	6444.6	6397.5	6357.7	6328.8	6285.3	6256.4	6216.5	6187.5	6162.2
30°	6205.7	6169.5	6136.9	6089.8	6060.9	6035.5	5995.6	5970.3	5941.4	5908.7	5901.6
32.5°	5778.5	5749.4	5716.9	5684.3	5662.5	5648.1	5615.4	5601.0	5572.1	5553.9	5535.9
35°	5133.9	5108.6	5090.6	5076.1	5068.8	5072.4	5065.2	5079.7	5086.8	5083.3	5086.8
37.5°	4290.4	4275.8	4283.1	4294.0	4330.2	4377.3	4420.7	4485.8	4529.3	4572.9	4612.6
40°	3349.1	3359.9	3388.8	3454.0	3548.2	3653.2	3751.0	3874.1	3997.2	4084.0	4163.6
42.5°	2527.2	2559.8	2632.1	2726.3	2867.6	3023.1	3175.3	3356.2	3504.8	3649.5	3751.0
45°	1900.8	1944.2	2038.4	2168.8	2324.4	2505.4	2697.4	2900.0	3077.5	3226.0	3338.2
47.5°	1480.9	1520.7	1614.8	1752.4	1944.2	2132.6	2331.7	2541.6	2726.3	2871.1	2968.9
50°	1169.4	1220.1	1303.4	1448.2	1640.2	1839.3	2045.7	2251.9	2425.8	2548.9	2635.8
52.5°	919.6	966.7	1046.3	1198.5	1394.0	1593.1	1784.9	1987.7	2139.7	2259.2	2317.2
55°	713.2	756.8	839.9	966.7	1151.4	1346.9	1538.7	1712.6	1853.7	1940.6	1995.0
57.5°	543.0	575.7	633.7	760.3	926.9	1107.9	1270.9	1444.7	1553.3	1614.8	1650.9
60°	412.8	438.1	499.7	597.4	749.4	905.2	1042.7	1173.1	1260.0	1310.7	1346.9
62.5°	311.3	340.4	383.7	467.0	582.8	709.7	825.5	923.2	995.6	1028.3	1053.6
65°	213.6	235.3	267.9	333.1	430.8	521.3	611.9	684.3	731.4	767.6	782.1
67.5°	159.3	173.8	191.9	242.6	311.3	383.7	445.3	496.0	546.8	561.2	586.6
70°	119.5	130.4	148.4	184.6	224.4	275.1	325.9	354.8	391.0	416.4	423.7
72.5°	76.0	79.6	97.8	119.5	152.0	184.6	217.3	242.6	264.4	278.8	286.0
75°	43.5	65.1	65.1	86.9	108.6	123.1	144.9	162.9	173.8	184.6	184.6
77.5°	28.9	39.8	43.5	54.2	65.1	83.3	101.3	112.2	123.1	126.7	126.7
80°	25.3	28.9	28.9	39.8	47.1	61.5	72.4	76.0	83.3	86.9	94.2
82.5°	10.9	14.5	18.0	28.9	32.6	32.6	43.5	47.1	54.2	58.0	58.0
85°	3.6	7.3	7.3	10.9	18.0	21.8	25.3	28.9	32.6	32.6	36.2
87.5°	3.6	3.6	0.0	3.6	7.3	7.3	14.5	14.5	14.5	21.8	21.8
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: P248583

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9	7414.9
2.5°	7349.8	7353.4	7338.9	7335.3	7328.0	7331.6	7338.9
5°	7215.8	7219.4	7204.9	7190.5	7190.5	7186.8	7190.5
7.5°	7089.0	7092.7	7071.0	7063.7	7049.2	7052.9	7052.9
10°	6962.3	6962.3	6929.8	6926.1	6915.2	6911.7	6911.7
12.5°	6839.2	6828.4	6803.0	6788.6	6795.9	6774.1	6774.1
15°	6730.6	6712.6	6679.9	6669.0	6651.0	6643.7	6643.7
17.5°	6618.4	6603.9	6575.0	6553.3	6531.5	6527.9	6531.5
20°	6509.7	6495.3	6459.1	6444.6	6426.6	6426.6	6419.3
22.5°	6401.1	6386.6	6354.2	6343.3	6317.9	6317.9	6321.5
25°	6288.9	6278.0	6241.8	6234.6	6231.1	6216.5	6223.8
27.5°	6136.9	6129.6	6100.7	6089.8	6075.3	6071.7	6078.9
30°	5858.0	5847.2	5825.6	5814.7	5789.3	5792.9	5800.1
32.5°	5510.5	5496.1	5467.0	5456.1	5434.5	5427.2	5430.8
35°	5076.1	5065.2	5039.9	5039.9	5018.1	5010.8	5018.1
37.5°	4634.4	4645.1	4634.4	4645.1	4634.4	4630.7	4634.4
40°	4218.0	4257.8	4265.0	4304.9	4290.4	4312.1	4308.5
42.5°	3819.7	3884.8	3910.3	3942.8	3935.6	3950.1	3961.0
45°	3417.8	3472.1	3497.5	3519.2	3522.8	3530.1	3533.7
47.5°	3037.6	3081.1	3084.7	3110.0	3106.4	3106.4	3117.3
50°	2682.9	2711.8	2719.0	2737.2	2722.7	2715.4	2719.0
52.5°	2353.4	2382.3	2375.0	2382.3	2364.3	2357.0	2360.6
55°	2016.6	2031.1	2031.1	2031.1	2009.5	2009.5	2009.5
57.5°	1672.7	1676.4	1669.1	1672.7	1669.1	1647.3	1643.8
60°	1357.8	1357.8	1354.0	1357.8	1346.9	1336.0	1336.0
62.5°	1060.8	1068.1	1082.5	1068.1	1060.8	1068.1	1057.2
65°	793.0	807.4	803.7	811.0	807.4	807.4	800.1
67.5°	597.4	601.0	604.6	608.3	608.3	608.3	608.3
70°	438.1	449.0	445.3	445.3	445.3	445.3	467.0
72.5°	293.3	307.7	304.2	311.3	311.3	318.6	311.3
75°	199.1	213.6	206.4	217.3	213.6	206.4	224.4
77.5°	134.0	141.3	144.9	148.4	144.9	141.3	144.9
80°	94.2	101.3	97.8	101.3	101.3	101.3	105.1
82.5°	58.0	68.8	65.1	68.8	65.1	68.8	68.8
85°	39.8	43.5	36.2	43.5	39.8	39.8	47.1
87.5°	25.3	21.8	21.8	25.3	21.8	25.3	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)