

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: P248547

Luminaire Tested: **LD8B120D010 ER8B120827 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248547
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 ER8B120827 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11568.0 lumens
Efficiency: N/A
Efficacy: 97.8 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

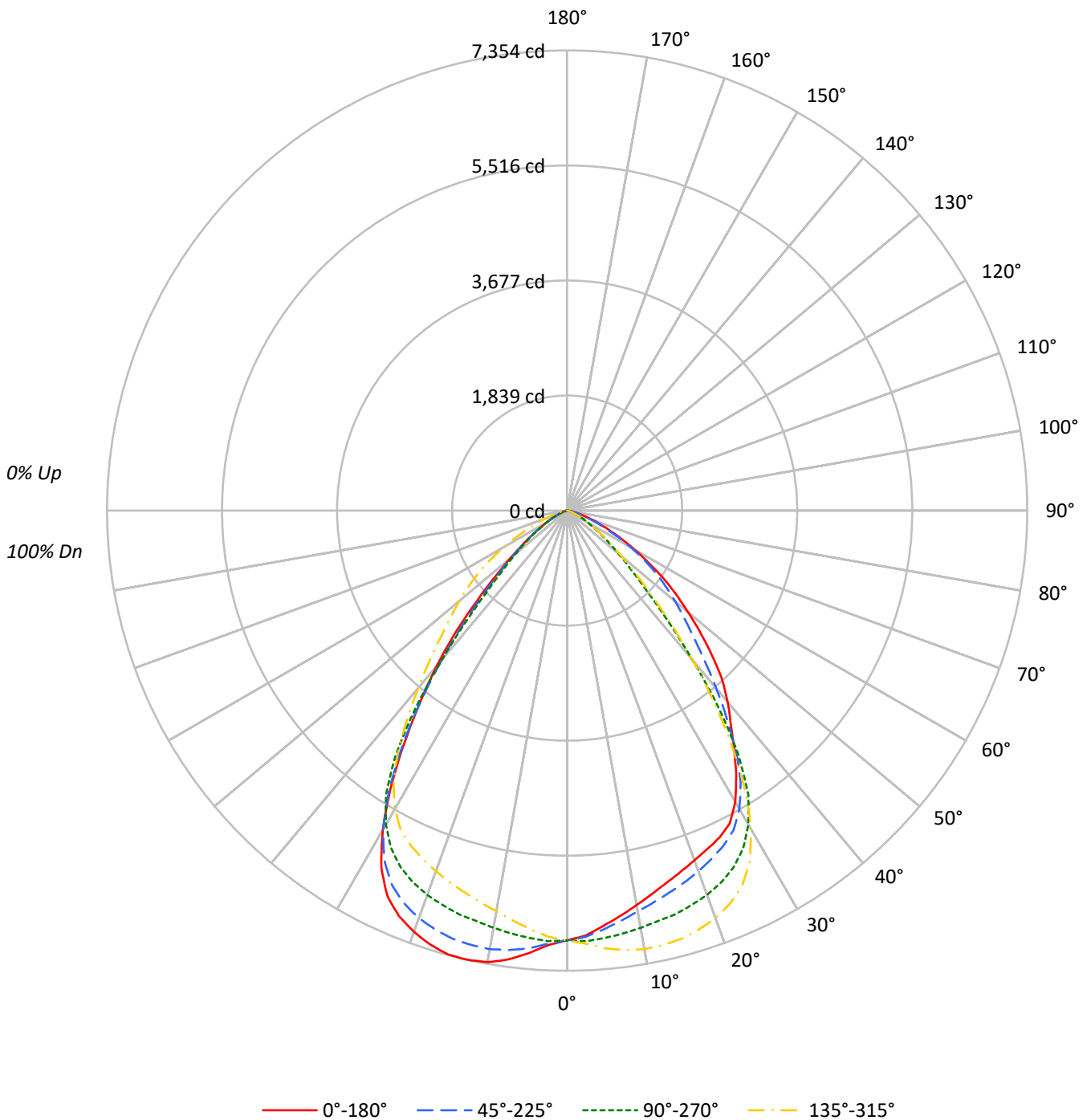
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: LD8B120D010 ER8B120827 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°	211771	211771	211771	211771
5°	206145	212268	219845	212268
10°	200441	211989	229420	211989
15°	196439	213247	234441	213247
20°	195100	214468	235046	214468
25°	196125	214039	231269	214039
30°	191276	206202	209909	206202
35°	174959	179879	170667	179879
40°	160629	125129	130668	125129
45°	142724	76333	88326	76333
50°	120810	50990	56627	50990
55°	100055	34794	36778	34794
60°	76314	23164	23368	23164
65°	54074	14432	13214	14432
70°	39003	9665	8773	9665
75°	24770	4801	3991	4801
80°	17278	3587	2966	3587
85°	15426	0	1168	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.7	5.7
10°-20°	1892.9	16.4
20°-30°	2866.2	24.8
30°-40°	2872.7	24.8
40°-50°	1803.9	15.6
50°-60°	961.3	8.3
60°-70°	395.3	3.4
70°-80°	104.4	0.9
80°-90°	17.7	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°	5412.8	46.8
0°-40°	8285.4	71.6
0°-60°	11050.6	95.5
0°-90°	11568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11568.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6868	6868	6868	6868	6868	
5°	6660	6858	7102	6858	6660	628
15°	6153	6680	7344	6680	6153	1740
25°	5764	6291	6797	6291	5764	2644
35°	4648	4778	4534	4778	4648	2912
45°	3273	1750	2025	1750	3273	2517
55°	1861	647	684	647	1861	1659
65°	741	198	181	198	741	769
75°	208	40	34	40	208	236
85°	44	0	3	0	44	48
90°	0	0	0	0	0	



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CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6
2.5°	6797.2	6790.4	6787.1	6793.9	6797.2	6810.6	6807.2	6813.9	6813.9	6817.3	6823.9
5°	6659.7	6656.2	6659.7	6659.7	6673.1	6686.5	6683.2	6693.2	6699.9	6716.7	6723.3
7.5°	6532.3	6532.3	6528.8	6542.2	6549.0	6569.1	6565.7	6582.5	6592.6	6609.3	6632.8
10°	6401.4	6401.4	6404.8	6414.8	6418.3	6448.4	6448.4	6471.8	6485.2	6502.1	6532.3
12.5°	6274.0	6274.0	6294.2	6287.4	6300.8	6324.3	6334.4	6357.8	6378.0	6411.5	6441.7
15°	6153.3	6153.3	6160.0	6176.7	6186.8	6217.0	6233.7	6260.7	6284.1	6317.7	6361.3
17.5°	6049.3	6046.0	6049.3	6069.5	6089.6	6116.4	6129.8	6163.4	6186.8	6230.4	6270.7
20°	5945.4	5952.2	5952.2	5968.9	5982.3	6015.8	6029.2	6066.2	6093.0	6133.1	6180.2
22.5°	5854.9	5851.6	5851.6	5875.0	5885.1	5915.2	5928.6	5962.1	5992.3	6025.9	6069.5
25°	5764.3	5757.6	5771.1	5774.4	5781.0	5814.6	5824.6	5848.1	5878.3	5908.6	5952.2
27.5°	5630.2	5623.5	5626.9	5640.2	5650.3	5677.1	5683.9	5707.3	5730.8	5757.6	5794.6
30°	5371.9	5365.3	5362.0	5385.4	5395.5	5415.5	5425.6	5465.9	5472.5	5502.8	5529.5
32.5°	5029.9	5026.6	5033.3	5053.4	5063.4	5090.3	5103.7	5127.2	5143.9	5160.7	5187.5
35°	4647.7	4640.9	4647.7	4667.9	4667.9	4691.3	4701.4	4711.3	4708.0	4711.3	4704.7
37.5°	4292.3	4288.8	4292.3	4302.2	4292.3	4302.2	4292.3	4272.1	4235.3	4195.0	4154.7
40°	3990.4	3993.7	3973.7	3987.1	3950.1	3943.5	3906.7	3856.3	3782.6	3702.1	3588.1
42.5°	3668.6	3658.5	3645.1	3651.7	3621.6	3598.0	3537.7	3474.1	3380.1	3246.1	3108.5
45°	3272.8	3269.5	3262.8	3259.5	3239.3	3215.8	3165.5	3091.8	2987.8	2850.3	2686.0
47.5°	2887.2	2877.1	2877.1	2880.4	2857.0	2853.7	2813.4	2749.7	2659.2	2525.0	2354.0
50°	2518.3	2514.9	2521.7	2535.1	2518.3	2511.6	2484.9	2441.2	2360.8	2246.8	2085.7
52.5°	2186.3	2183.0	2189.8	2206.5	2199.7	2206.5	2179.7	2146.1	2092.5	1981.8	1841.0
55°	1861.1	1861.1	1861.1	1881.1	1881.1	1881.1	1867.7	1847.7	1797.4	1716.9	1586.2
57.5°	1522.4	1525.7	1545.9	1549.2	1545.9	1552.6	1549.2	1529.0	1495.6	1438.6	1338.0
60°	1237.4	1237.4	1247.5	1257.5	1254.1	1257.5	1257.5	1247.5	1213.9	1167.0	1086.5
62.5°	979.1	989.2	982.5	989.2	1002.6	989.2	982.5	975.8	952.4	922.1	855.1
65°	741.1	747.8	747.8	751.1	744.4	747.8	734.4	724.4	711.0	677.4	633.8
67.5°	563.4	563.4	563.4	563.4	560.0	556.7	553.3	543.3	519.8	506.4	459.3
70°	432.6	412.4	412.4	412.4	412.4	415.9	405.8	392.4	385.6	362.2	328.6
72.5°	288.3	295.1	288.3	288.3	281.7	285.0	271.6	264.9	258.2	244.9	224.7
75°	207.9	191.2	197.8	201.2	191.2	197.8	184.4	171.0	171.0	160.9	150.9
77.5°	134.2	130.8	134.2	137.5	134.2	130.8	124.1	117.3	117.3	114.0	103.9
80°	97.3	93.9	93.9	93.9	90.5	93.9	87.2	87.2	80.5	77.2	70.4
82.5°	63.8	63.8	60.3	63.8	60.3	63.8	53.7	53.7	53.7	50.2	43.6
85°	43.6	36.9	36.9	40.3	33.5	40.3	36.9	33.5	30.2	30.2	26.8
87.5°	20.2	23.5	20.2	23.5	20.2	20.2	23.5	20.2	20.2	13.4	13.4
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: P248547

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6
2.5°	6834.0	6837.3	6837.3	6850.9	6857.5	6860.8	6860.8	6887.7	6877.6	6884.4	6891.0
5°	6736.8	6756.9	6763.6	6763.6	6800.5	6813.9	6827.3	6857.5	6860.8	6880.9	6904.4
7.5°	6642.9	6666.3	6679.8	6709.9	6733.4	6756.9	6797.2	6817.3	6837.3	6864.2	6894.3
10°	6552.3	6579.2	6606.0	6629.5	6666.3	6696.5	6723.3	6770.2	6793.9	6830.7	6870.9
12.5°	6465.2	6502.1	6525.5	6565.7	6606.0	6632.8	6673.1	6716.7	6753.5	6790.4	6837.3
15°	6388.1	6431.7	6458.5	6502.1	6545.7	6582.5	6626.2	6679.8	6706.6	6750.2	6793.9
17.5°	6304.1	6351.2	6384.7	6424.9	6478.6	6518.8	6555.8	6609.3	6642.9	6689.8	6740.2
20°	6217.0	6264.0	6304.1	6344.4	6398.1	6438.3	6481.9	6535.6	6572.5	6619.4	6659.7
22.5°	6113.1	6156.7	6200.2	6247.1	6300.8	6334.4	6384.7	6431.7	6471.8	6515.5	6555.8
25°	5979.0	6032.6	6066.2	6109.7	6153.3	6190.1	6243.8	6290.8	6324.3	6364.6	6401.4
27.5°	5821.3	5861.6	5888.4	5925.3	5968.9	6002.4	6042.6	6089.6	6123.2	6160.0	6186.8
30°	5553.0	5590.0	5613.5	5640.2	5683.9	5714.1	5747.6	5791.1	5814.6	5841.5	5864.9
32.5°	5200.9	5231.1	5244.5	5264.7	5294.9	5325.0	5351.9	5388.8	5398.8	5415.5	5415.5
35°	4691.3	4697.9	4694.6	4701.4	4714.8	4731.5	4754.9	4778.4	4791.8	4791.8	4781.9
37.5°	4094.4	4054.2	4010.6	3977.0	3967.0	3960.2	3973.7	3983.7	3997.2	4003.8	3987.1
40°	3474.1	3383.5	3286.2	3199.0	3138.7	3111.9	3101.8	3108.5	3108.5	3131.9	3131.9
42.5°	2940.9	2800.0	2655.9	2525.0	2437.8	2370.8	2340.6	2340.6	2343.9	2360.8	2370.8
45°	2498.2	2320.5	2152.8	2008.7	1887.9	1800.7	1760.5	1750.4	1747.1	1753.7	1777.2
47.5°	2159.5	1975.1	1800.7	1623.0	1495.6	1408.4	1371.6	1358.0	1344.6	1358.0	1361.5
50°	1894.7	1703.5	1519.1	1341.3	1207.2	1130.0	1083.1	1062.9	1059.6	1059.6	1066.4
52.5°	1653.1	1475.5	1291.1	1110.0	969.1	895.4	851.8	841.7	828.3	841.7	841.7
55°	1425.1	1247.5	1066.4	895.4	777.9	700.9	660.6	647.2	640.4	650.5	650.5
57.5°	1177.1	1026.1	858.5	704.2	586.9	533.2	503.0	486.3	482.8	489.6	482.8
60°	965.8	838.4	694.1	553.3	462.8	405.8	382.3	375.6	368.8	375.6	375.6
62.5°	764.5	657.3	539.8	432.6	355.4	315.2	288.3	288.3	285.0	285.0	288.3
65°	566.7	482.8	399.0	308.5	248.2	217.9	197.8	197.8	194.5	197.8	194.5
67.5°	412.4	355.4	288.3	224.7	177.8	160.9	147.5	137.5	144.2	137.5	134.2
70°	301.9	254.8	207.9	171.0	137.5	120.8	110.7	107.2	100.6	100.6	100.6
72.5°	201.2	171.0	140.8	110.7	90.5	73.7	70.4	63.8	57.0	60.3	67.1
75°	134.2	114.0	100.6	80.5	60.3	60.3	40.3	40.3	33.5	40.3	30.2
77.5°	93.9	77.2	60.3	50.2	40.3	36.9	26.8	26.8	23.5	23.5	23.5
80°	67.1	57.0	43.6	36.9	26.8	26.8	23.5	20.2	16.7	16.7	20.2
82.5°	40.3	30.2	30.2	26.8	16.7	13.4	10.1	13.4	6.8	6.8	6.8
85°	23.5	20.2	16.7	10.1	6.8	6.8	3.3	0.0	3.3	3.3	0.0
87.5°	13.4	6.8	6.8	3.3	0.0	3.3	3.3	0.0	0.0	0.0	6.8
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: P248547

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6
2.5°	6907.9	6904.4	6911.2	6911.2	6931.3	6927.9	6937.9	6937.9	6931.3	6934.6	6948.0
5°	6931.3	6941.4	6961.4	6978.3	7008.3	7021.9	7038.6	7055.4	7058.7	7068.8	7078.9
7.5°	6931.3	6964.9	6988.3	7018.4	7058.7	7082.2	7119.0	7149.3	7162.7	7179.4	7199.5
10°	6917.8	6951.3	6995.0	7028.5	7078.9	7115.7	7152.6	7199.5	7219.7	7246.4	7273.3
12.5°	6891.0	6927.9	6974.8	7018.4	7075.4	7109.0	7155.9	7199.5	7229.7	7266.6	7296.8
15°	6850.9	6894.3	6937.9	6981.6	7041.9	7082.2	7125.8	7176.0	7206.3	7246.4	7273.3
17.5°	6787.1	6834.0	6874.3	6914.5	6971.5	7018.4	7058.7	7105.6	7135.9	7169.4	7206.3
20°	6709.9	6753.5	6797.2	6830.7	6887.7	6927.9	6971.5	7015.1	7038.6	7045.3	7102.3
22.5°	6612.8	6642.9	6676.4	6730.1	6763.6	6800.5	6840.8	6880.9	6904.4	6941.4	6961.4
25°	6451.7	6481.9	6518.8	6542.2	6582.5	6612.8	6652.9	6696.5	6709.9	6736.8	6756.9
27.5°	6227.1	6243.8	6260.7	6280.7	6304.1	6321.0	6344.4	6364.6	6378.0	6391.4	6404.8
30°	5871.6	5871.6	5871.6	5858.2	5868.3	5878.3	5881.6	5878.3	5878.3	5875.0	5875.0
32.5°	5402.1	5375.4	5345.1	5318.4	5308.3	5294.9	5288.1	5278.1	5261.4	5251.3	5254.6
35°	4768.3	4708.0	4671.2	4637.6	4610.9	4590.7	4580.6	4570.5	4567.2	4553.8	4540.3
37.5°	3977.0	3933.4	3906.7	3886.5	3863.0	3842.9	3846.2	3849.6	3859.6	3853.0	3856.3
40°	3138.7	3128.6	3138.7	3115.2	3108.5	3115.2	3131.9	3155.5	3168.9	3182.3	3205.8
42.5°	2387.6	2404.3	2427.9	2427.9	2437.8	2451.3	2471.3	2508.3	2528.3	2551.8	2578.7
45°	1797.4	1817.5	1847.7	1857.7	1864.4	1881.1	1904.7	1934.8	1948.2	1968.4	1991.8
47.5°	1384.9	1398.3	1415.0	1431.9	1448.6	1455.3	1478.8	1478.8	1495.6	1509.0	1515.6
50°	1079.8	1093.2	1106.5	1116.6	1123.4	1133.5	1140.1	1150.2	1153.5	1160.2	1163.5
52.5°	845.0	861.8	861.8	868.5	878.5	888.6	885.3	888.6	891.9	891.9	902.0
55°	660.6	660.6	670.7	670.7	677.4	674.0	677.4	677.4	677.4	677.4	680.7
57.5°	492.9	496.3	506.4	499.6	496.3	503.0	496.3	503.0	499.6	506.4	496.3
60°	378.9	378.9	382.3	382.3	385.6	385.6	385.6	382.3	382.3	378.9	378.9
62.5°	285.0	288.3	291.8	288.3	288.3	288.3	285.0	285.0	281.7	278.3	278.3
65°	191.2	187.9	194.5	187.9	191.2	191.2	187.9	191.2	181.1	184.4	181.1
67.5°	137.5	134.2	130.8	134.2	130.8	127.4	127.4	130.8	134.2	124.1	124.1
70°	90.5	93.9	90.5	93.9	97.3	97.3	93.9	90.5	93.9	87.2	90.5
72.5°	57.0	57.0	57.0	57.0	57.0	60.3	60.3	60.3	53.7	53.7	50.2
75°	26.8	36.9	30.2	26.8	36.9	36.9	33.5	33.5	30.2	30.2	30.2
77.5°	26.8	20.2	20.2	20.2	20.2	20.2	20.2	20.2	16.7	20.2	16.7
80°	13.4	13.4	13.4	10.1	13.4	13.4	16.7	13.4	13.4	10.1	16.7
82.5°	6.8	6.8	6.8	0.0	3.3	6.8	6.8	3.3	6.8	6.8	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: P248547

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6
2.5°	6944.7	6941.4	6944.7	6948.0	6944.7	6941.4	6944.7	6948.0	6934.6	6931.3	6937.9
5°	7092.3	7092.3	7098.9	7102.3	7098.9	7092.3	7092.3	7078.9	7068.8	7058.7	7055.4
7.5°	7219.7	7226.4	7233.0	7236.4	7233.0	7226.4	7219.7	7199.5	7179.4	7162.7	7149.3
10°	7296.8	7306.9	7320.3	7326.9	7320.3	7306.9	7296.8	7273.3	7246.4	7219.7	7199.5
12.5°	7330.4	7340.4	7357.1	7353.8	7357.1	7340.4	7330.4	7296.8	7266.6	7229.7	7199.5
15°	7306.9	7320.3	7337.0	7343.7	7337.0	7320.3	7306.9	7273.3	7246.4	7206.3	7176.0
17.5°	7233.0	7253.2	7263.3	7273.3	7263.3	7253.2	7233.0	7206.3	7169.4	7135.9	7105.6
20°	7132.4	7146.0	7159.3	7162.7	7159.3	7146.0	7132.4	7102.3	7045.3	7038.6	7015.1
22.5°	6988.3	6998.4	7028.5	7018.4	7028.5	6998.4	6988.3	6961.4	6941.4	6904.4	6880.9
25°	6780.3	6790.4	6793.9	6797.2	6793.9	6790.4	6780.3	6756.9	6736.8	6709.9	6696.5
27.5°	6421.6	6421.6	6428.2	6431.7	6428.2	6421.6	6421.6	6404.8	6391.4	6378.0	6364.6
30°	5878.3	5878.3	5878.3	5895.2	5878.3	5878.3	5878.3	5875.0	5875.0	5878.3	5878.3
32.5°	5251.3	5244.5	5237.9	5244.5	5237.9	5244.5	5251.3	5254.6	5251.3	5261.4	5278.1
35°	4540.3	4537.0	4547.1	4533.7	4547.1	4537.0	4540.3	4540.3	4553.8	4567.2	4570.5
37.5°	3859.6	3853.0	3866.3	3853.0	3866.3	3853.0	3859.6	3856.3	3853.0	3859.6	3849.6
40°	3212.5	3219.1	3219.1	3246.1	3219.1	3219.1	3212.5	3205.8	3182.3	3168.9	3155.5
42.5°	2592.1	2612.3	2605.5	2625.6	2605.5	2612.3	2592.1	2578.7	2551.8	2528.3	2508.3
45°	2005.2	2018.7	2018.7	2025.4	2018.7	2018.7	2005.2	1991.8	1968.4	1948.2	1934.8
47.5°	1539.1	1539.1	1539.1	1542.6	1539.1	1539.1	1539.1	1515.6	1509.0	1495.6	1478.8
50°	1170.3	1173.6	1177.1	1180.4	1177.1	1173.6	1170.3	1163.5	1160.2	1153.5	1150.2
52.5°	898.7	902.0	895.4	902.0	895.4	902.0	898.7	902.0	891.9	891.9	888.6
55°	680.7	677.4	680.7	684.1	680.7	677.4	680.7	680.7	677.4	677.4	677.4
57.5°	499.6	492.9	492.9	492.9	492.9	492.9	499.6	496.3	506.4	499.6	503.0
60°	372.3	375.6	375.6	378.9	375.6	375.6	372.3	378.9	378.9	382.3	382.3
62.5°	274.9	285.0	278.3	285.0	278.3	285.0	274.9	278.3	278.3	281.7	285.0
65°	177.8	177.8	177.8	181.1	177.8	177.8	177.8	181.1	184.4	181.1	191.2
67.5°	120.8	124.1	130.8	127.4	130.8	124.1	120.8	124.1	124.1	134.2	130.8
70°	97.3	87.2	87.2	97.3	87.2	87.2	97.3	90.5	87.2	93.9	90.5
72.5°	57.0	50.2	57.0	57.0	57.0	50.2	57.0	50.2	53.7	53.7	60.3
75°	30.2	26.8	23.5	33.5	23.5	26.8	30.2	30.2	30.2	30.2	33.5
77.5°	20.2	16.7	23.5	23.5	23.5	16.7	20.2	16.7	20.2	16.7	20.2
80°	10.1	13.4	10.1	16.7	10.1	13.4	10.1	16.7	10.1	13.4	13.4
82.5°	3.3	6.8	6.8	6.8	6.8	6.8	3.3	3.3	6.8	6.8	3.3
85°	0.0	6.8	3.3	3.3	3.3	6.8	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: P248547

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6
2.5°	6937.9	6927.9	6931.3	6911.2	6911.2	6904.4	6907.9	6891.0	6884.4	6877.6	6887.7
5°	7038.6	7021.9	7008.3	6978.3	6961.4	6941.4	6931.3	6904.4	6880.9	6860.8	6857.5
7.5°	7119.0	7082.2	7058.7	7018.4	6988.3	6964.9	6931.3	6894.3	6864.2	6837.3	6817.3
10°	7152.6	7115.7	7078.9	7028.5	6995.0	6951.3	6917.8	6870.9	6830.7	6793.9	6770.2
12.5°	7155.9	7109.0	7075.4	7018.4	6974.8	6927.9	6891.0	6837.3	6790.4	6753.5	6716.7
15°	7125.8	7082.2	7041.9	6981.6	6937.9	6894.3	6850.9	6793.9	6750.2	6706.6	6679.8
17.5°	7058.7	7018.4	6971.5	6914.5	6874.3	6834.0	6787.1	6740.2	6689.8	6642.9	6609.3
20°	6971.5	6927.9	6887.7	6830.7	6797.2	6753.5	6709.9	6659.7	6619.4	6572.5	6535.6
22.5°	6840.8	6800.5	6763.6	6730.1	6676.4	6642.9	6612.8	6555.8	6515.5	6471.8	6431.7
25°	6652.9	6612.8	6582.5	6542.2	6518.8	6481.9	6451.7	6401.4	6364.6	6324.3	6290.8
27.5°	6344.4	6321.0	6304.1	6280.7	6260.7	6243.8	6227.1	6186.8	6160.0	6123.2	6089.6
30°	5881.6	5878.3	5868.3	5858.2	5871.6	5871.6	5871.6	5864.9	5841.5	5814.6	5791.1
32.5°	5288.1	5294.9	5308.3	5318.4	5345.1	5375.4	5402.1	5415.5	5415.5	5398.8	5388.8
35°	4580.6	4590.7	4610.9	4637.6	4671.2	4708.0	4768.3	4781.9	4791.8	4791.8	4778.4
37.5°	3846.2	3842.9	3863.0	3886.5	3906.7	3933.4	3977.0	3987.1	4003.8	3997.2	3983.7
40°	3131.9	3115.2	3108.5	3115.2	3138.7	3128.6	3138.7	3131.9	3131.9	3108.5	3108.5
42.5°	2471.3	2451.3	2437.8	2427.9	2427.9	2404.3	2387.6	2370.8	2360.8	2343.9	2340.6
45°	1904.7	1881.1	1864.4	1857.7	1847.7	1817.5	1797.4	1777.2	1753.7	1747.1	1750.4
47.5°	1478.8	1455.3	1448.6	1431.9	1415.0	1398.3	1384.9	1361.5	1358.0	1344.6	1358.0
50°	1140.1	1133.5	1123.4	1116.6	1106.5	1093.2	1079.8	1066.4	1059.6	1059.6	1062.9
52.5°	885.3	888.6	878.5	868.5	861.8	861.8	845.0	841.7	841.7	828.3	841.7
55°	677.4	674.0	677.4	670.7	670.7	660.6	660.6	650.5	650.5	640.4	647.2
57.5°	496.3	503.0	496.3	499.6	506.4	496.3	492.9	482.8	489.6	482.8	486.3
60°	385.6	385.6	385.6	382.3	382.3	378.9	378.9	375.6	375.6	368.8	375.6
62.5°	285.0	288.3	288.3	288.3	291.8	288.3	285.0	288.3	285.0	285.0	288.3
65°	187.9	191.2	191.2	187.9	194.5	187.9	191.2	194.5	197.8	194.5	197.8
67.5°	127.4	127.4	130.8	134.2	130.8	134.2	137.5	134.2	137.5	144.2	137.5
70°	93.9	97.3	97.3	93.9	90.5	93.9	90.5	100.6	100.6	100.6	107.2
72.5°	60.3	60.3	57.0	57.0	57.0	57.0	57.0	67.1	60.3	57.0	63.8
75°	33.5	36.9	36.9	26.8	30.2	36.9	26.8	30.2	40.3	33.5	40.3
77.5°	20.2	20.2	20.2	20.2	20.2	20.2	26.8	23.5	23.5	23.5	26.8
80°	16.7	13.4	13.4	10.1	13.4	13.4	13.4	20.2	16.7	16.7	20.2
82.5°	6.8	6.8	3.3	0.0	6.8	6.8	6.8	6.8	6.8	6.8	13.4
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	6.8	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: P248547

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6
2.5°	6860.8	6860.8	6857.5	6850.9	6837.3	6837.3	6834.0	6823.9	6817.3	6813.9	6813.9
5°	6827.3	6813.9	6800.5	6763.6	6763.6	6756.9	6736.8	6723.3	6716.7	6699.9	6693.2
7.5°	6797.2	6756.9	6733.4	6709.9	6679.8	6666.3	6642.9	6632.8	6609.3	6592.6	6582.5
10°	6723.3	6696.5	6666.3	6629.5	6606.0	6579.2	6552.3	6532.3	6502.1	6485.2	6471.8
12.5°	6673.1	6632.8	6606.0	6565.7	6525.5	6502.1	6465.2	6441.7	6411.5	6378.0	6357.8
15°	6626.2	6582.5	6545.7	6502.1	6458.5	6431.7	6388.1	6361.3	6317.7	6284.1	6260.7
17.5°	6555.8	6518.8	6478.6	6424.9	6384.7	6351.2	6304.1	6270.7	6230.4	6186.8	6163.4
20°	6481.9	6438.3	6398.1	6344.4	6304.1	6264.0	6217.0	6180.2	6133.1	6093.0	6066.2
22.5°	6384.7	6334.4	6300.8	6247.1	6200.2	6156.7	6113.1	6069.5	6025.9	5992.3	5962.1
25°	6243.8	6190.1	6153.3	6109.7	6066.2	6032.6	5979.0	5952.2	5908.6	5878.3	5848.1
27.5°	6042.6	6002.4	5968.9	5925.3	5888.4	5861.6	5821.3	5794.6	5757.6	5730.8	5707.3
30°	5747.6	5714.1	5683.9	5640.2	5613.5	5590.0	5553.0	5529.5	5502.8	5472.5	5465.9
32.5°	5351.9	5325.0	5294.9	5264.7	5244.5	5231.1	5200.9	5187.5	5160.7	5143.9	5127.2
35°	4754.9	4731.5	4714.8	4701.4	4694.6	4697.9	4691.3	4704.7	4711.3	4708.0	4711.3
37.5°	3973.7	3960.2	3967.0	3977.0	4010.6	4054.2	4094.4	4154.7	4195.0	4235.3	4272.1
40°	3101.8	3111.9	3138.7	3199.0	3286.2	3383.5	3474.1	3588.1	3702.1	3782.6	3856.3
42.5°	2340.6	2370.8	2437.8	2525.0	2655.9	2800.0	2940.9	3108.5	3246.1	3380.1	3474.1
45°	1760.5	1800.7	1887.9	2008.7	2152.8	2320.5	2498.2	2686.0	2850.3	2987.8	3091.8
47.5°	1371.6	1408.4	1495.6	1623.0	1800.7	1975.1	2159.5	2354.0	2525.0	2659.2	2749.7
50°	1083.1	1130.0	1207.2	1341.3	1519.1	1703.5	1894.7	2085.7	2246.8	2360.8	2441.2
52.5°	851.8	895.4	969.1	1110.0	1291.1	1475.5	1653.1	1841.0	1981.8	2092.5	2146.1
55°	660.6	700.9	777.9	895.4	1066.4	1247.5	1425.1	1586.2	1716.9	1797.4	1847.7
57.5°	503.0	533.2	586.9	704.2	858.5	1026.1	1177.1	1338.0	1438.6	1495.6	1529.0
60°	382.3	405.8	462.8	553.3	694.1	838.4	965.8	1086.5	1167.0	1213.9	1247.5
62.5°	288.3	315.2	355.4	432.6	539.8	657.3	764.5	855.1	922.1	952.4	975.8
65°	197.8	217.9	248.2	308.5	399.0	482.8	566.7	633.8	677.4	711.0	724.4
67.5°	147.5	160.9	177.8	224.7	288.3	355.4	412.4	459.3	506.4	519.8	543.3
70°	110.7	120.8	137.5	171.0	207.9	254.8	301.9	328.6	362.2	385.6	392.4
72.5°	70.4	73.7	90.5	110.7	140.8	171.0	201.2	224.7	244.9	258.2	264.9
75°	40.3	60.3	60.3	80.5	100.6	114.0	134.2	150.9	160.9	171.0	171.0
77.5°	26.8	36.9	40.3	50.2	60.3	77.2	93.9	103.9	114.0	117.3	117.3
80°	23.5	26.8	26.8	36.9	43.6	57.0	67.1	70.4	77.2	80.5	87.2
82.5°	10.1	13.4	16.7	26.8	30.2	30.2	40.3	43.6	50.2	53.7	53.7
85°	3.3	6.8	6.8	10.1	16.7	20.2	23.5	26.8	30.2	30.2	33.5
87.5°	3.3	3.3	0.0	3.3	6.8	6.8	13.4	13.4	13.4	20.2	20.2
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: P248547

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6	6867.6
2.5°	6807.2	6810.6	6797.2	6793.9	6787.1	6790.4	6797.2
5°	6683.2	6686.5	6673.1	6659.7	6659.7	6656.2	6659.7
7.5°	6565.7	6569.1	6549.0	6542.2	6528.8	6532.3	6532.3
10°	6448.4	6448.4	6418.3	6414.8	6404.8	6401.4	6401.4
12.5°	6334.4	6324.3	6300.8	6287.4	6294.2	6274.0	6274.0
15°	6233.7	6217.0	6186.8	6176.7	6160.0	6153.3	6153.3
17.5°	6129.8	6116.4	6089.6	6069.5	6049.3	6046.0	6049.3
20°	6029.2	6015.8	5982.3	5968.9	5952.2	5952.2	5945.4
22.5°	5928.6	5915.2	5885.1	5875.0	5851.6	5851.6	5854.9
25°	5824.6	5814.6	5781.0	5774.4	5771.1	5757.6	5764.3
27.5°	5683.9	5677.1	5650.3	5640.2	5626.9	5623.5	5630.2
30°	5425.6	5415.5	5395.5	5385.4	5362.0	5365.3	5371.9
32.5°	5103.7	5090.3	5063.4	5053.4	5033.3	5026.6	5029.9
35°	4701.4	4691.3	4667.9	4667.9	4647.7	4640.9	4647.7
37.5°	4292.3	4302.2	4292.3	4302.2	4292.3	4288.8	4292.3
40°	3906.7	3943.5	3950.1	3987.1	3973.7	3993.7	3990.4
42.5°	3537.7	3598.0	3621.6	3651.7	3645.1	3658.5	3668.6
45°	3165.5	3215.8	3239.3	3259.5	3262.8	3269.5	3272.8
47.5°	2813.4	2853.7	2857.0	2880.4	2877.1	2877.1	2887.2
50°	2484.9	2511.6	2518.3	2535.1	2521.7	2514.9	2518.3
52.5°	2179.7	2206.5	2199.7	2206.5	2189.8	2183.0	2186.3
55°	1867.7	1881.1	1881.1	1881.1	1861.1	1861.1	1861.1
57.5°	1549.2	1552.6	1545.9	1549.2	1545.9	1525.7	1522.4
60°	1257.5	1257.5	1254.1	1257.5	1247.5	1237.4	1237.4
62.5°	982.5	989.2	1002.6	989.2	982.5	989.2	979.1
65°	734.4	747.8	744.4	751.1	747.8	747.8	741.1
67.5°	553.3	556.7	560.0	563.4	563.4	563.4	563.4
70°	405.8	415.9	412.4	412.4	412.4	412.4	432.6
72.5°	271.6	285.0	281.7	288.3	288.3	295.1	288.3
75°	184.4	197.8	191.2	201.2	197.8	191.2	207.9
77.5°	124.1	130.8	134.2	137.5	134.2	130.8	134.2
80°	87.2	93.9	90.5	93.9	93.9	93.9	97.3
82.5°	53.7	63.8	60.3	63.8	60.3	63.8	63.8
85°	36.9	40.3	33.5	40.3	36.9	36.9	43.6
87.5°	23.5	20.2	20.2	23.5	20.2	23.5	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)