

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: P248856

Luminaire Tested: **LD8B200D010 ER8B200927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248856
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: LD8B200D010 ER8B200927 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15679.1 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

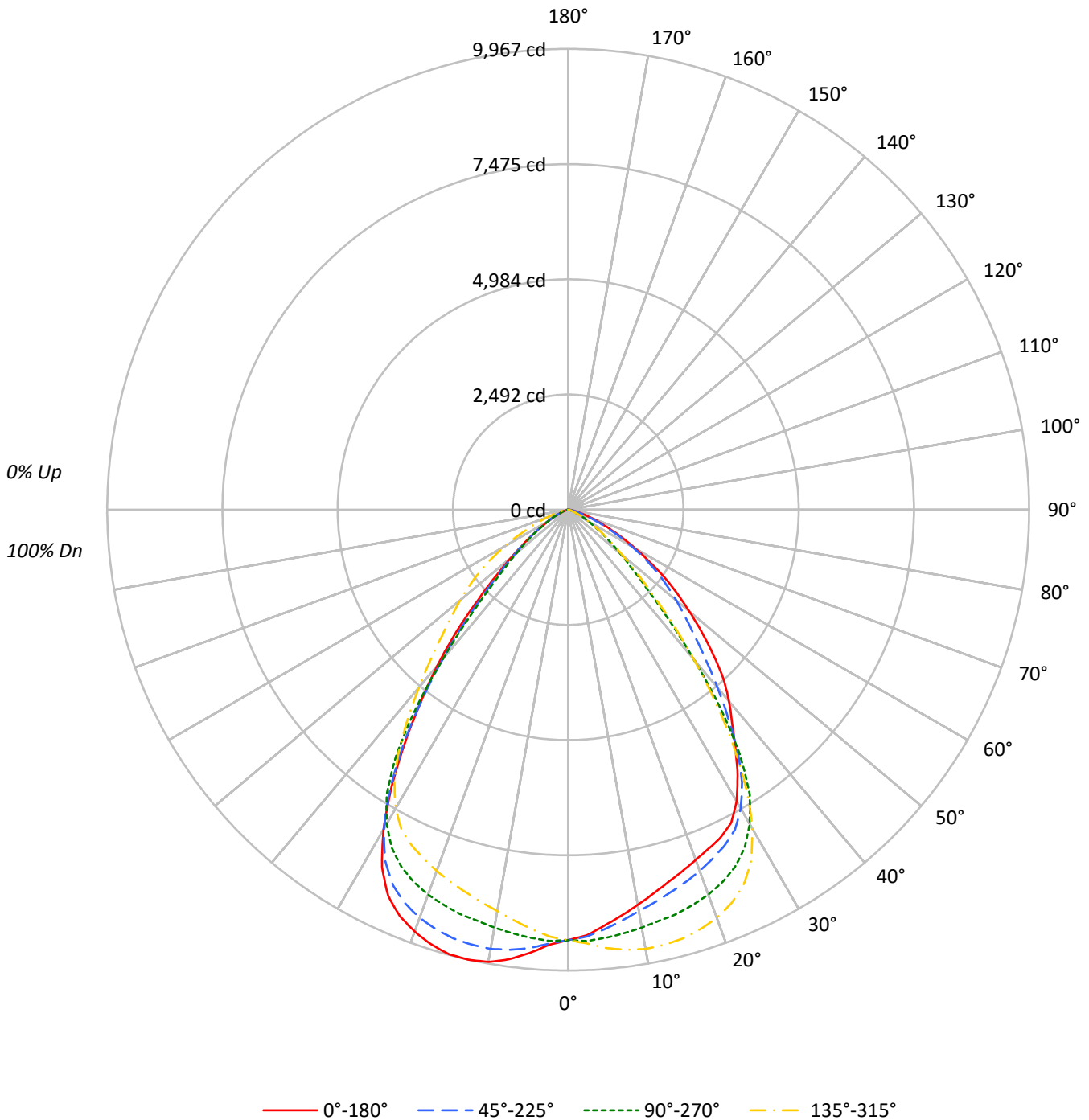
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	886.0	5.7
10°-20°	2565.6	16.4
20°-30°	3884.9	24.8
30°-40°	3893.6	24.8
40°-50°	2445.0	15.6
50°-60°	1302.9	8.3
60°-70°	535.8	3.4
70°-80°	141.5	0.9
80°-90°	23.9	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°	7336.4	46.8
0°-40°	11230.0	71.6
0°-60°	14977.9	95.5
0°-90°	15679.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15679.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9308	9308	9308	9308	9308	
5°	9026	9294	9626	9294	9026	851
15°	8340	9054	9954	9054	8340	2359
25°	7813	8526	9213	8526	7813	3583
35°	6299	6477	6145	6477	6299	3947
45°	4436	2372	2745	2372	4436	3412
55°	2523	877	927	877	2523	2249
65°	1004	268	246	268	1004	1042
75°	282	55	45	55	282	319
85°	59	0	4	0	59	65
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°	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2
2.5°	9212.7	9203.6	9199.1	9208.4	9212.7	9231.0	9226.5	9235.5	9235.5	9240.1	9249.1
5°	9026.4	9021.8	9026.4	9026.4	9044.7	9062.8	9058.3	9071.9	9080.9	9103.7	9112.7
7.5°	8853.8	8853.8	8849.1	8867.2	8876.5	8903.7	8899.1	8921.9	8935.5	8958.2	8990.0
10°	8676.4	8676.4	8680.9	8694.6	8699.3	8740.0	8740.0	8771.8	8790.0	8812.8	8853.8
12.5°	8503.8	8503.8	8531.1	8521.9	8540.1	8571.8	8585.6	8617.3	8644.6	8690.1	8731.0
15°	8340.1	8340.1	8349.2	8371.9	8385.5	8426.5	8449.1	8485.6	8517.4	8562.9	8622.0
17.5°	8199.2	8194.7	8199.2	8226.6	8253.8	8290.1	8308.2	8353.7	8385.5	8444.7	8499.3
20°	8058.4	8067.5	8067.5	8090.1	8108.3	8153.8	8171.9	8222.1	8258.3	8312.7	8376.5
22.5°	7935.6	7931.1	7931.1	7963.0	7976.6	8017.4	8035.5	8081.0	8121.9	8167.4	8226.6
25°	7812.9	7803.7	7822.0	7826.5	7835.5	7881.0	7894.7	7926.4	7967.5	8008.4	8067.5
27.5°	7631.1	7622.1	7626.6	7644.7	7658.3	7694.7	7703.8	7735.6	7767.4	7803.7	7853.8
30°	7281.0	7272.0	7267.6	7299.3	7313.1	7340.2	7353.8	7408.5	7417.5	7458.4	7494.6
32.5°	6817.5	6813.0	6822.1	6849.2	6863.0	6899.4	6917.5	6949.4	6972.0	6994.8	7031.1
35°	6299.4	6290.3	6299.4	6326.8	6326.8	6358.6	6372.2	6385.7	6381.2	6385.7	6376.7
37.5°	5817.7	5813.0	5817.7	5831.2	5817.7	5831.2	5817.7	5790.4	5740.4	5685.9	5631.2
40°	5408.6	5413.0	5385.9	5404.0	5354.0	5345.0	5295.0	5226.8	5126.8	5017.7	4863.3
42.5°	4972.3	4958.7	4940.6	4949.6	4908.7	4876.8	4795.0	4708.7	4581.3	4399.7	4213.1
45°	4436.0	4431.5	4422.3	4417.9	4390.5	4358.7	4290.4	4190.5	4049.7	3863.4	3640.5
47.5°	3913.3	3899.6	3899.6	3904.1	3872.2	3867.9	3813.2	3726.9	3604.3	3422.4	3190.6
50°	3413.2	3408.8	3417.9	3436.1	3413.2	3404.2	3367.9	3308.8	3199.7	3045.3	2826.9
52.5°	2963.2	2958.9	2968.0	2990.6	2981.5	2990.6	2954.4	2908.9	2836.1	2686.0	2495.2
55°	2522.6	2522.6	2522.6	2549.7	2549.7	2549.7	2531.5	2504.4	2436.1	2327.1	2149.9
57.5°	2063.5	2068.0	2095.3	2099.7	2095.3	2104.4	2099.7	2072.5	2027.1	1949.8	1813.5
60°	1677.2	1677.2	1690.8	1704.5	1699.8	1704.5	1704.5	1690.8	1645.3	1581.8	1472.6
62.5°	1327.2	1340.8	1331.7	1340.8	1358.9	1340.8	1331.7	1322.7	1290.8	1249.9	1159.0
65°	1004.4	1013.6	1013.6	1018.1	1008.9	1013.6	995.4	981.8	963.7	918.2	859.0
67.5°	763.6	763.6	763.6	763.6	758.9	754.5	750.0	736.3	704.6	686.4	622.6
70°	586.4	559.0	559.0	559.0	559.0	563.6	550.0	531.9	522.7	490.8	445.4
72.5°	390.8	399.9	390.8	390.8	381.8	386.3	368.2	359.0	350.0	331.9	304.5
75°	281.7	259.1	268.1	272.8	259.1	268.1	250.0	231.8	231.8	218.1	204.5
77.5°	181.8	177.3	181.8	186.3	181.8	177.3	168.2	159.0	159.0	154.6	140.8
80°	131.8	127.2	127.2	127.2	122.7	127.2	118.2	118.2	109.0	104.6	95.4
82.5°	86.4	86.4	81.8	86.4	81.8	86.4	72.8	72.8	72.8	68.1	59.1
85°	59.1	49.9	49.9	54.7	45.4	54.7	49.9	45.4	40.9	40.9	36.3
87.5°	27.3	31.8	27.3	31.8	27.3	27.3	31.8	27.3	27.3	18.1	18.1
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°	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2
2.5°	9262.7	9267.2	9267.2	9285.5	9294.5	9299.0	9299.0	9335.5	9321.9	9331.0	9340.0
5°	9131.1	9158.2	9167.3	9167.3	9217.2	9235.5	9253.6	9294.5	9299.0	9326.4	9358.2
7.5°	9003.6	9035.4	9053.8	9094.6	9126.3	9158.2	9212.7	9240.1	9267.2	9303.8	9344.5
10°	8880.9	8917.4	8953.6	8985.5	9035.4	9076.4	9112.7	9176.3	9208.4	9258.3	9312.6
12.5°	8762.8	8812.8	8844.6	8899.1	8953.6	8990.0	9044.7	9103.7	9153.7	9203.6	9267.2
15°	8658.3	8717.4	8753.7	8812.8	8872.0	8921.9	8981.0	9053.8	9090.1	9149.2	9208.4
17.5°	8544.6	8608.4	8653.8	8708.3	8781.0	8835.4	8885.6	8958.2	9003.6	9067.3	9135.6
20°	8426.5	8490.2	8544.6	8599.2	8671.9	8726.4	8785.5	8858.2	8908.2	8971.9	9026.4
22.5°	8285.6	8344.8	8403.6	8467.3	8540.1	8585.6	8653.8	8717.4	8771.8	8830.9	8885.6
25°	8103.8	8176.6	8222.1	8281.0	8340.1	8390.0	8462.8	8526.4	8571.8	8626.5	8676.4
27.5°	7890.2	7944.8	7981.1	8031.0	8090.1	8135.6	8190.0	8253.8	8299.4	8349.2	8385.5
30°	7526.5	7576.6	7608.4	7644.7	7703.8	7744.8	7790.3	7849.2	7881.0	7917.5	7949.2
32.5°	7049.2	7090.2	7108.3	7135.6	7176.6	7217.4	7253.9	7303.8	7317.6	7340.2	7340.2
35°	6358.6	6367.5	6363.0	6372.2	6390.3	6413.0	6444.8	6476.6	6494.7	6494.7	6481.2
37.5°	5549.4	5495.1	5435.9	5390.4	5376.8	5367.6	5385.9	5399.4	5417.8	5426.8	5404.0
40°	4708.7	4586.0	4454.1	4335.9	4254.1	4217.8	4204.1	4213.1	4213.1	4245.0	4245.0
42.5°	3986.1	3795.1	3599.8	3422.4	3304.1	3213.5	3172.5	3172.5	3176.9	3199.7	3213.5
45°	3386.1	3145.2	2917.8	2722.5	2558.8	2440.6	2386.1	2372.5	2368.0	2377.0	2408.8
47.5°	2927.0	2677.0	2440.6	2199.8	2027.1	1908.9	1859.0	1840.6	1822.5	1840.6	1845.3
50°	2568.0	2309.0	2059.0	1818.0	1636.2	1531.6	1468.0	1440.7	1436.2	1436.2	1445.4
52.5°	2240.7	1999.8	1749.9	1504.5	1313.4	1213.5	1154.5	1140.8	1122.6	1140.8	1140.8
55°	1931.6	1690.8	1445.4	1213.5	1054.4	950.0	895.4	877.2	868.0	881.7	881.7
57.5°	1595.4	1390.7	1163.6	954.4	795.5	722.7	681.8	659.0	654.4	663.5	654.4
60°	1308.9	1136.2	940.8	750.0	627.3	550.0	518.2	509.1	499.8	509.1	509.1
62.5°	1036.2	890.9	731.7	586.4	481.7	427.3	390.8	390.8	386.3	386.3	390.8
65°	768.2	654.4	540.8	418.2	336.4	295.4	268.1	268.1	263.6	268.1	263.6
67.5°	559.0	481.7	390.8	304.5	241.0	218.1	200.0	186.3	195.5	186.3	181.8
70°	409.2	345.4	281.7	231.8	186.3	163.7	150.1	145.4	136.4	136.4	136.4
72.5°	272.8	231.8	190.8	150.1	122.7	99.9	95.4	86.4	77.3	81.8	90.9
75°	181.8	154.6	136.4	109.0	81.8	81.8	54.7	54.7	45.4	54.7	40.9
77.5°	127.2	104.6	81.8	68.1	54.7	49.9	36.3	36.3	31.8	31.8	31.8
80°	90.9	77.3	59.1	49.9	36.3	36.3	31.8	27.3	22.6	22.6	27.3
82.5°	54.7	40.9	40.9	36.3	22.6	18.1	13.6	18.1	9.1	9.1	9.1
85°	31.8	27.3	22.6	13.6	9.1	9.1	4.5	0.0	4.5	4.5	0.0
87.5°	18.1	9.1	9.1	4.5	0.0	4.5	4.5	0.0	0.0	0.0	9.1
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°	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2
2.5°	9362.8	9358.2	9367.3	9367.3	9394.6	9389.9	9403.6	9403.6	9394.6	9399.2	9417.3
5°	9394.6	9408.3	9435.4	9458.2	9499.1	9517.4	9540.0	9562.8	9567.3	9580.9	9594.6
7.5°	9394.6	9440.1	9471.9	9512.7	9567.3	9599.1	9649.0	9690.1	9708.2	9730.8	9758.1
10°	9376.3	9421.8	9480.8	9526.4	9594.6	9644.5	9694.5	9758.1	9785.5	9821.7	9858.2
12.5°	9340.0	9389.9	9453.6	9512.7	9589.9	9635.4	9699.0	9758.1	9799.1	9849.0	9890.0
15°	9285.5	9344.5	9403.6	9462.7	9544.5	9599.1	9658.2	9726.3	9767.2	9821.7	9858.2
17.5°	9199.1	9262.7	9317.4	9371.8	9449.1	9512.7	9567.3	9630.9	9671.8	9717.3	9767.2
20°	9094.6	9153.7	9212.7	9258.3	9335.5	9389.9	9449.1	9508.2	9540.0	9549.1	9626.4
22.5°	8962.9	9003.6	9049.1	9121.8	9167.3	9217.2	9271.9	9326.4	9358.2	9408.3	9435.4
25°	8744.5	8785.5	8835.4	8867.2	8921.9	8962.9	9017.3	9076.4	9094.6	9131.1	9158.2
27.5°	8440.2	8462.8	8485.6	8512.8	8544.6	8567.3	8599.2	8626.5	8644.6	8662.8	8680.9
30°	7958.2	7958.2	7958.2	7940.1	7953.8	7967.5	7971.9	7967.5	7967.5	7963.0	7963.0
32.5°	7322.0	7285.7	7244.8	7208.4	7194.8	7176.6	7167.5	7153.9	7131.2	7117.5	7122.0
35°	6462.9	6381.2	6331.3	6285.8	6249.5	6222.2	6208.5	6194.8	6190.4	6172.2	6153.9
37.5°	5390.4	5331.3	5295.0	5267.7	5235.9	5208.6	5213.1	5217.8	5231.2	5222.2	5226.8
40°	4254.1	4240.5	4254.1	4222.3	4213.1	4222.3	4245.0	4276.9	4295.1	4313.2	4345.1
42.5°	3236.1	3258.7	3290.7	3290.7	3304.1	3322.5	3349.6	3399.8	3426.9	3458.7	3495.2
45°	2436.1	2463.4	2504.4	2517.9	2527.1	2549.7	2581.6	2622.5	2640.6	2667.9	2699.7
47.5°	1877.2	1895.3	1917.9	1940.7	1963.4	1972.6	2004.3	2004.3	2027.1	2045.4	2054.2
50°	1463.5	1481.6	1499.9	1513.5	1522.6	1536.3	1545.3	1558.9	1563.4	1572.5	1577.0
52.5°	1145.2	1168.1	1168.1	1177.1	1190.7	1204.4	1199.9	1204.4	1208.9	1208.9	1222.5
55°	895.4	895.4	909.0	909.0	918.2	913.5	918.2	918.2	918.2	918.2	922.6
57.5°	668.0	672.8	686.4	677.2	672.8	681.8	672.8	681.8	677.2	686.4	672.8
60°	513.6	513.6	518.2	518.2	522.7	522.7	522.7	518.2	518.2	513.6	513.6
62.5°	386.3	390.8	395.4	390.8	390.8	390.8	386.3	386.3	381.8	377.1	377.1
65°	259.1	254.6	263.6	254.6	259.1	259.1	254.6	259.1	245.5	250.0	245.5
67.5°	186.3	181.8	177.3	181.8	177.3	172.7	172.7	177.3	181.8	168.2	168.2
70°	122.7	127.2	122.7	127.2	131.8	131.8	127.2	122.7	127.2	118.2	122.7
72.5°	77.3	77.3	77.3	77.3	77.3	81.8	81.8	81.8	72.8	72.8	68.1
75°	36.3	49.9	40.9	36.3	49.9	49.9	45.4	45.4	40.9	40.9	40.9
77.5°	36.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	22.6	27.3	22.6
80°	18.1	18.1	18.1	13.6	18.1	18.1	22.6	18.1	18.1	13.6	22.6
82.5°	9.1	9.1	9.1	0.0	4.5	9.1	9.1	4.5	9.1	9.1	4.5
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: P248856

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2
2.5°	9412.8	9408.3	9412.8	9417.3	9412.8	9408.3	9412.8	9417.3	9399.2	9394.6	9403.6
5°	9612.8	9612.8	9621.8	9626.4	9621.8	9612.8	9612.8	9594.6	9580.9	9567.3	9562.8
7.5°	9785.5	9794.6	9803.6	9808.1	9803.6	9794.6	9785.5	9758.1	9730.8	9708.2	9690.1
10°	9890.0	9903.7	9921.8	9930.8	9921.8	9903.7	9890.0	9858.2	9821.7	9785.5	9758.1
12.5°	9935.4	9949.2	9971.8	9967.3	9971.8	9949.2	9935.4	9890.0	9849.0	9799.1	9758.1
15°	9903.7	9921.8	9944.4	9953.7	9944.4	9921.8	9903.7	9858.2	9821.7	9767.2	9726.3
17.5°	9803.6	9830.9	9844.5	9858.2	9844.5	9830.9	9803.6	9767.2	9717.3	9671.8	9630.9
20°	9667.2	9685.6	9703.7	9708.2	9703.7	9685.6	9667.2	9626.4	9549.1	9540.0	9508.2
22.5°	9471.9	9485.6	9526.4	9512.7	9526.4	9485.6	9471.9	9435.4	9408.3	9358.2	9326.4
25°	9190.0	9203.6	9208.4	9212.7	9208.4	9203.6	9190.0	9158.2	9131.1	9094.6	9076.4
27.5°	8703.8	8703.8	8712.8	8717.4	8712.8	8703.8	8703.8	8680.9	8662.8	8644.6	8626.5
30°	7967.5	7967.5	7967.5	7990.2	7967.5	7967.5	7967.5	7963.0	7963.0	7967.5	7967.5
32.5°	7117.5	7108.3	7099.4	7108.3	7099.4	7108.3	7117.5	7122.0	7117.5	7131.2	7153.9
35°	6153.9	6149.4	6163.1	6144.9	6163.1	6149.4	6153.9	6153.9	6172.2	6190.4	6194.8
37.5°	5231.2	5222.2	5240.4	5222.2	5240.4	5222.2	5231.2	5226.8	5222.2	5231.2	5217.8
40°	4354.2	4363.2	4363.2	4399.7	4363.2	4363.2	4354.2	4345.1	4313.2	4295.1	4276.9
42.5°	3513.3	3540.6	3531.5	3558.7	3531.5	3540.6	3513.3	3495.2	3458.7	3426.9	3399.8
45°	2717.9	2736.2	2736.2	2745.1	2736.2	2736.2	2717.9	2699.7	2667.9	2640.6	2622.5
47.5°	2086.1	2086.1	2086.1	2090.8	2086.1	2086.1	2086.1	2054.2	2045.4	2027.1	2004.3
50°	1586.2	1590.8	1595.4	1599.9	1595.4	1590.8	1586.2	1577.0	1572.5	1563.4	1558.9
52.5°	1218.0	1222.5	1213.5	1222.5	1213.5	1222.5	1218.0	1222.5	1208.9	1208.9	1204.4
55°	922.6	918.2	922.6	927.1	922.6	918.2	922.6	922.6	918.2	918.2	918.2
57.5°	677.2	668.0	668.0	668.0	668.0	668.0	677.2	672.8	686.4	677.2	681.8
60°	504.6	509.1	509.1	513.6	509.1	509.1	504.6	513.6	513.6	518.2	518.2
62.5°	372.7	386.3	377.1	386.3	377.1	386.3	372.7	377.1	377.1	381.8	386.3
65°	241.0	241.0	241.0	245.5	241.0	241.0	241.0	245.5	250.0	245.5	259.1
67.5°	163.7	168.2	177.3	172.7	177.3	168.2	163.7	168.2	168.2	181.8	177.3
70°	131.8	118.2	118.2	131.8	118.2	118.2	131.8	122.7	118.2	127.2	122.7
72.5°	77.3	68.1	77.3	77.3	77.3	68.1	77.3	68.1	72.8	72.8	81.8
75°	40.9	36.3	31.8	45.4	31.8	36.3	40.9	40.9	40.9	40.9	45.4
77.5°	27.3	22.6	31.8	31.8	31.8	22.6	27.3	22.6	27.3	22.6	27.3
80°	13.6	18.1	13.6	22.6	13.6	18.1	13.6	22.6	13.6	18.1	18.1
82.5°	4.5	9.1	9.1	9.1	9.1	9.1	4.5	4.5	9.1	9.1	4.5
85°	0.0	9.1	4.5	4.5	4.5	9.1	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	0.0	0.0	4.5	0.0	0.0	4.5	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: P248856

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2
2.5°	9403.6	9389.9	9394.6	9367.3	9367.3	9358.2	9362.8	9340.0	9331.0	9321.9	9335.5
5°	9540.0	9517.4	9499.1	9458.2	9435.4	9408.3	9394.6	9358.2	9326.4	9299.0	9294.5
7.5°	9649.0	9599.1	9567.3	9512.7	9471.9	9440.1	9394.6	9344.5	9303.8	9267.2	9240.1
10°	9694.5	9644.5	9594.6	9526.4	9480.8	9421.8	9376.3	9312.6	9258.3	9208.4	9176.3
12.5°	9699.0	9635.4	9589.9	9512.7	9453.6	9389.9	9340.0	9267.2	9203.6	9153.7	9103.7
15°	9658.2	9599.1	9544.5	9462.7	9403.6	9344.5	9285.5	9208.4	9149.2	9090.1	9053.8
17.5°	9567.3	9512.7	9449.1	9371.8	9317.4	9262.7	9199.1	9135.6	9067.3	9003.6	8958.2
20°	9449.1	9389.9	9335.5	9258.3	9212.7	9153.7	9094.6	9026.4	8971.9	8908.2	8858.2
22.5°	9271.9	9217.2	9167.3	9121.8	9049.1	9003.6	8962.9	8885.6	8830.9	8771.8	8717.4
25°	9017.3	8962.9	8921.9	8867.2	8835.4	8785.5	8744.5	8676.4	8626.5	8571.8	8526.4
27.5°	8599.2	8567.3	8544.6	8512.8	8485.6	8462.8	8440.2	8385.5	8349.2	8299.4	8253.8
30°	7971.9	7967.5	7953.8	7940.1	7958.2	7958.2	7958.2	7949.2	7917.5	7881.0	7849.2
32.5°	7167.5	7176.6	7194.8	7208.4	7244.8	7285.7	7322.0	7340.2	7340.2	7317.6	7303.8
35°	6208.5	6222.2	6249.5	6285.8	6331.3	6381.2	6462.9	6481.2	6494.7	6494.7	6476.6
37.5°	5213.1	5208.6	5235.9	5267.7	5295.0	5331.3	5390.4	5404.0	5426.8	5417.8	5399.4
40°	4245.0	4222.3	4213.1	4222.3	4254.1	4240.5	4254.1	4245.0	4245.0	4213.1	4213.1
42.5°	3349.6	3322.5	3304.1	3290.7	3290.7	3258.7	3236.1	3213.5	3199.7	3176.9	3172.5
45°	2581.6	2549.7	2527.1	2517.9	2504.4	2463.4	2436.1	2408.8	2377.0	2368.0	2372.5
47.5°	2004.3	1972.6	1963.4	1940.7	1917.9	1895.3	1877.2	1845.3	1840.6	1822.5	1840.6
50°	1545.3	1536.3	1522.6	1513.5	1499.9	1481.6	1463.5	1445.4	1436.2	1436.2	1440.7
52.5°	1199.9	1204.4	1190.7	1177.1	1168.1	1168.1	1145.2	1140.8	1140.8	1122.6	1140.8
55°	918.2	913.5	918.2	909.0	909.0	895.4	895.4	881.7	881.7	868.0	877.2
57.5°	672.8	681.8	672.8	677.2	686.4	672.8	668.0	654.4	663.5	654.4	659.0
60°	522.7	522.7	522.7	518.2	518.2	513.6	513.6	509.1	509.1	499.8	509.1
62.5°	386.3	390.8	390.8	390.8	395.4	390.8	386.3	390.8	386.3	386.3	390.8
65°	254.6	259.1	259.1	254.6	263.6	254.6	259.1	263.6	268.1	263.6	268.1
67.5°	172.7	172.7	177.3	181.8	177.3	181.8	186.3	181.8	186.3	195.5	186.3
70°	127.2	131.8	131.8	127.2	122.7	127.2	122.7	136.4	136.4	136.4	145.4
72.5°	81.8	81.8	77.3	77.3	77.3	77.3	77.3	90.9	81.8	77.3	86.4
75°	45.4	49.9	49.9	36.3	40.9	49.9	36.3	40.9	54.7	45.4	54.7
77.5°	27.3	27.3	27.3	27.3	27.3	27.3	36.3	31.8	31.8	31.8	36.3
80°	22.6	18.1	18.1	13.6	18.1	18.1	18.1	27.3	22.6	22.6	27.3
82.5°	9.1	9.1	4.5	0.0	9.1	9.1	9.1	9.1	9.1	9.1	18.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	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: P248856

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2
2.5°	9299.0	9299.0	9294.5	9285.5	9267.2	9267.2	9262.7	9249.1	9240.1	9235.5	9235.5
5°	9253.6	9235.5	9217.2	9167.3	9167.3	9158.2	9131.1	9112.7	9103.7	9080.9	9071.9
7.5°	9212.7	9158.2	9126.3	9094.6	9053.8	9035.4	9003.6	8990.0	8958.2	8935.5	8921.9
10°	9112.7	9076.4	9035.4	8985.5	8953.6	8917.4	8880.9	8853.8	8812.8	8790.0	8771.8
12.5°	9044.7	8990.0	8953.6	8899.1	8844.6	8812.8	8762.8	8731.0	8690.1	8644.6	8617.3
15°	8981.0	8921.9	8872.0	8812.8	8753.7	8717.4	8658.3	8622.0	8562.9	8517.4	8485.6
17.5°	8885.6	8835.4	8781.0	8708.3	8653.8	8608.4	8544.6	8499.3	8444.7	8385.5	8353.7
20°	8785.5	8726.4	8671.9	8599.2	8544.6	8490.2	8426.5	8376.5	8312.7	8258.3	8222.1
22.5°	8653.8	8585.6	8540.1	8467.3	8403.6	8344.8	8285.6	8226.6	8167.4	8121.9	8081.0
25°	8462.8	8390.0	8340.1	8281.0	8222.1	8176.6	8103.8	8067.5	8008.4	7967.5	7926.4
27.5°	8190.0	8135.6	8090.1	8031.0	7981.1	7944.8	7890.2	7853.8	7803.7	7767.4	7735.6
30°	7790.3	7744.8	7703.8	7644.7	7608.4	7576.6	7526.5	7494.6	7458.4	7417.5	7408.5
32.5°	7253.9	7217.4	7176.6	7135.6	7108.3	7090.2	7049.2	7031.1	6994.8	6972.0	6949.4
35°	6444.8	6413.0	6390.3	6372.2	6363.0	6367.5	6358.6	6376.7	6385.7	6381.2	6385.7
37.5°	5385.9	5367.6	5376.8	5390.4	5435.9	5495.1	5549.4	5631.2	5685.9	5740.4	5790.4
40°	4204.1	4217.8	4254.1	4335.9	4454.1	4586.0	4708.7	4863.3	5017.7	5126.8	5226.8
42.5°	3172.5	3213.5	3304.1	3422.4	3599.8	3795.1	3986.1	4213.1	4399.7	4581.3	4708.7
45°	2386.1	2440.6	2558.8	2722.5	2917.8	3145.2	3386.1	3640.5	3863.4	4049.7	4190.5
47.5°	1859.0	1908.9	2027.1	2199.8	2440.6	2677.0	2927.0	3190.6	3422.4	3604.3	3726.9
50°	1468.0	1531.6	1636.2	1818.0	2059.0	2309.0	2568.0	2826.9	3045.3	3199.7	3308.8
52.5°	1154.5	1213.5	1313.4	1504.5	1749.9	1999.8	2240.7	2495.2	2686.0	2836.1	2908.9
55°	895.4	950.0	1054.4	1213.5	1445.4	1690.8	1931.6	2149.9	2327.1	2436.1	2504.4
57.5°	681.8	722.7	795.5	954.4	1163.6	1390.7	1595.4	1813.5	1949.8	2027.1	2072.5
60°	518.2	550.0	627.3	750.0	940.8	1136.2	1308.9	1472.6	1581.8	1645.3	1690.8
62.5°	390.8	427.3	481.7	586.4	731.7	890.9	1036.2	1159.0	1249.9	1290.8	1322.7
65°	268.1	295.4	336.4	418.2	540.8	654.4	768.2	859.0	918.2	963.7	981.8
67.5°	200.0	218.1	241.0	304.5	390.8	481.7	559.0	622.6	686.4	704.6	736.3
70°	150.1	163.7	186.3	231.8	281.7	345.4	409.2	445.4	490.8	522.7	531.9
72.5°	95.4	99.9	122.7	150.1	190.8	231.8	272.8	304.5	331.9	350.0	359.0
75°	54.7	81.8	81.8	109.0	136.4	154.6	181.8	204.5	218.1	231.8	231.8
77.5°	36.3	49.9	54.7	68.1	81.8	104.6	127.2	140.8	154.6	159.0	159.0
80°	31.8	36.3	36.3	49.9	59.1	77.3	90.9	95.4	104.6	109.0	118.2
82.5°	13.6	18.1	22.6	36.3	40.9	40.9	54.7	59.1	68.1	72.8	72.8
85°	4.5	9.1	9.1	13.6	22.6	27.3	31.8	36.3	40.9	40.9	45.4
87.5°	4.5	4.5	0.0	4.5	9.1	9.1	18.1	18.1	18.1	27.3	27.3
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: P248856

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2	9308.2
2.5°	9226.5	9231.0	9212.7	9208.4	9199.1	9203.6	9212.7
5°	9058.3	9062.8	9044.7	9026.4	9026.4	9021.8	9026.4
7.5°	8899.1	8903.7	8876.5	8867.2	8849.1	8853.8	8853.8
10°	8740.0	8740.0	8699.3	8694.6	8680.9	8676.4	8676.4
12.5°	8585.6	8571.8	8540.1	8521.9	8531.1	8503.8	8503.8
15°	8449.1	8426.5	8385.5	8371.9	8349.2	8340.1	8340.1
17.5°	8308.2	8290.1	8253.8	8226.6	8199.2	8194.7	8199.2
20°	8171.9	8153.8	8108.3	8090.1	8067.5	8067.5	8058.4
22.5°	8035.5	8017.4	7976.6	7963.0	7931.1	7931.1	7935.6
25°	7894.7	7881.0	7835.5	7826.5	7822.0	7803.7	7812.9
27.5°	7703.8	7694.7	7658.3	7644.7	7626.6	7622.1	7631.1
30°	7353.8	7340.2	7313.1	7299.3	7267.6	7272.0	7281.0
32.5°	6917.5	6899.4	6863.0	6849.2	6822.1	6813.0	6817.5
35°	6372.2	6358.6	6326.8	6326.8	6299.4	6290.3	6299.4
37.5°	5817.7	5831.2	5817.7	5831.2	5817.7	5813.0	5817.7
40°	5295.0	5345.0	5354.0	5404.0	5385.9	5413.0	5408.6
42.5°	4795.0	4876.8	4908.7	4949.6	4940.6	4958.7	4972.3
45°	4290.4	4358.7	4390.5	4417.9	4422.3	4431.5	4436.0
47.5°	3813.2	3867.9	3872.2	3904.1	3899.6	3899.6	3913.3
50°	3367.9	3404.2	3413.2	3436.1	3417.9	3408.8	3413.2
52.5°	2954.4	2990.6	2981.5	2990.6	2968.0	2958.9	2963.2
55°	2531.5	2549.7	2549.7	2549.7	2522.6	2522.6	2522.6
57.5°	2099.7	2104.4	2095.3	2099.7	2095.3	2068.0	2063.5
60°	1704.5	1704.5	1699.8	1704.5	1690.8	1677.2	1677.2
62.5°	1331.7	1340.8	1358.9	1340.8	1331.7	1340.8	1327.2
65°	995.4	1013.6	1008.9	1018.1	1013.6	1013.6	1004.4
67.5°	750.0	754.5	758.9	763.6	763.6	763.6	763.6
70°	550.0	563.6	559.0	559.0	559.0	559.0	586.4
72.5°	368.2	386.3	381.8	390.8	390.8	399.9	390.8
75°	250.0	268.1	259.1	272.8	268.1	259.1	281.7
77.5°	168.2	177.3	181.8	186.3	181.8	177.3	181.8
80°	118.2	127.2	122.7	127.2	127.2	127.2	131.8
82.5°	72.8	86.4	81.8	86.4	81.8	86.4	86.4
85°	49.9	54.7	45.4	54.7	49.9	49.9	59.1
87.5°	31.8	27.3	27.3	31.8	27.3	31.8	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)