

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: P248546

Luminaire Tested: **LD8B100D010 ER8B100827 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248546
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: LD8B100D010 ER8B100827 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: 10205.0 lumens
Efficiency: N/A
Efficacy: 96.0 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

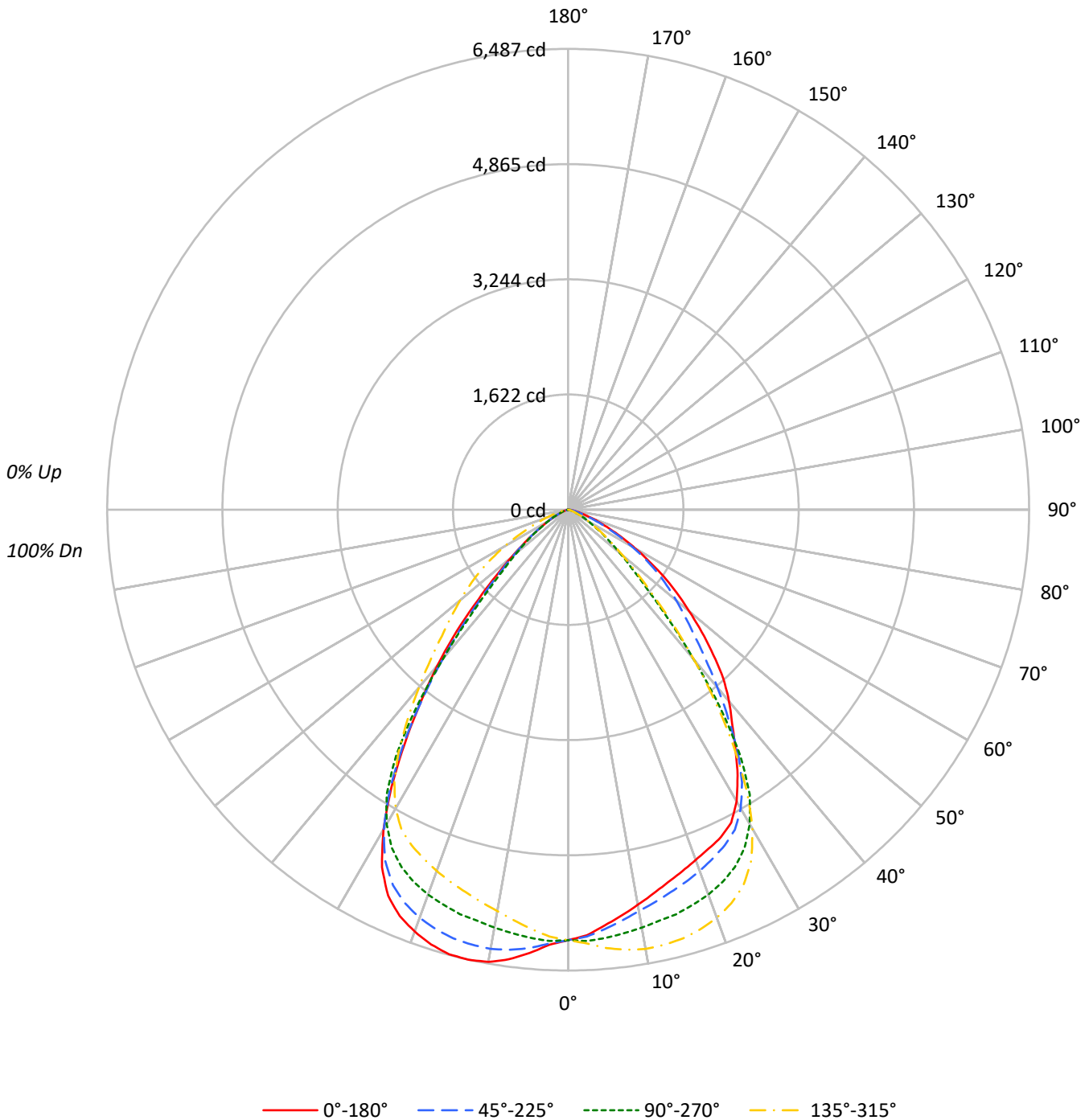
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	186819	186819	186819	186819
5°	181855	187257	193943	187257
10°	176825	187011	202388	187011
15°	173294	188122	206820	188122
20°	172113	189197	207350	189197
25°	173016	188817	204019	188817
30°	168740	181908	185176	181908
35°	154345	158685	150558	158685
40°	141706	110384	115271	110384
45°	125908	67341	77916	67341
50°	106572	44984	49954	44984
55°	88266	30692	32445	30692
60°	67322	20432	20611	20432
65°	47697	12732	11660	12732
70°	34405	8529	7736	8529
75°	21851	4241	3527	4241
80°	15236	3161	2610	3161
85°	13622	0	1026	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.6	5.7
10°-20°	1669.9	16.4
20°-30°	2528.5	24.8
30°-40°	2534.2	24.8
40°-50°	1591.3	15.6
50°-60°	848.0	8.3
60°-70°	348.7	3.4
70°-80°	92.1	0.9
80°-90°	15.6	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°	4775.0	46.8
0°-40°	7309.2	71.6
0°-60°	9748.6	95.5
0°-90°	10205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10205.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6058	6058	6058	6058	6058	
5°	5875	6050	6266	6050	5875	554
15°	5428	5893	6478	5893	5428	1535
25°	5085	5550	5996	5550	5085	2332
35°	4100	4215	4000	4215	4100	2569
45°	2887	1544	1787	1544	2887	2220
55°	1642	571	604	571	1642	1464
65°	654	174	160	174	654	678
75°	183	36	30	36	183	208
85°	38	0	3	0	38	42
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°	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4
2.5°	5996.3	5990.3	5987.4	5993.4	5996.3	6008.1	6005.2	6011.0	6011.0	6014.1	6019.9
5°	5875.0	5872.0	5875.0	5875.0	5886.8	5898.6	5895.7	5904.6	5910.4	5925.3	5931.1
7.5°	5762.6	5762.6	5759.6	5771.4	5777.4	5795.1	5792.1	5806.9	5815.8	5830.6	5851.3
10°	5647.2	5647.2	5650.1	5659.0	5662.1	5688.6	5688.6	5709.3	5721.1	5736.0	5762.6
12.5°	5534.8	5534.8	5552.6	5546.6	5558.4	5579.1	5588.0	5608.7	5626.5	5656.1	5682.7
15°	5428.3	5428.3	5434.2	5449.0	5457.9	5484.5	5499.3	5523.0	5543.7	5573.3	5611.8
17.5°	5336.6	5333.7	5336.6	5354.4	5372.1	5395.8	5407.6	5437.2	5457.9	5496.3	5531.9
20°	5244.9	5250.9	5250.9	5265.6	5277.4	5307.0	5318.8	5351.4	5375.1	5410.5	5452.0
22.5°	5165.0	5162.1	5162.1	5182.8	5191.7	5218.2	5230.0	5259.6	5286.3	5315.9	5354.4
25°	5085.1	5079.2	5091.1	5094.0	5099.9	5129.5	5138.4	5159.1	5185.7	5212.4	5250.9
27.5°	4966.8	4960.9	4963.9	4975.7	4984.6	5008.2	5014.2	5034.9	5055.6	5079.2	5111.8
30°	4739.0	4733.1	4730.2	4750.9	4759.8	4777.5	4786.3	4821.9	4827.7	4854.4	4878.0
32.5°	4437.2	4434.3	4440.3	4457.9	4466.8	4490.6	4502.4	4523.1	4537.8	4552.7	4576.3
35°	4100.1	4094.1	4100.1	4117.9	4117.9	4138.6	4147.5	4156.2	4153.3	4156.2	4150.4
37.5°	3786.6	3783.5	3786.6	3795.3	3786.6	3795.3	3786.6	3768.8	3736.3	3700.7	3665.2
40°	3520.3	3523.2	3505.5	3517.3	3484.7	3478.9	3446.3	3401.9	3336.9	3265.9	3165.3
42.5°	3236.3	3227.4	3215.6	3221.5	3194.9	3174.1	3120.9	3064.7	2981.8	2863.6	2742.2
45°	2887.2	2884.3	2878.3	2875.4	2857.6	2836.9	2792.5	2727.5	2635.8	2514.5	2369.5
47.5°	2547.0	2538.1	2538.1	2541.0	2520.3	2517.4	2481.9	2425.7	2345.9	2227.5	2076.6
50°	2221.5	2218.6	2224.6	2236.4	2221.5	2215.7	2192.1	2153.6	2082.6	1982.0	1839.9
52.5°	1928.7	1925.8	1931.8	1946.5	1940.5	1946.5	1922.9	1893.3	1845.9	1748.3	1624.1
55°	1641.8	1641.8	1641.8	1659.5	1659.5	1659.5	1647.7	1630.0	1585.6	1514.6	1399.3
57.5°	1343.0	1346.0	1363.7	1366.7	1363.7	1369.7	1366.7	1348.9	1319.4	1269.1	1180.4
60°	1091.6	1091.6	1100.5	1109.4	1106.3	1109.4	1109.4	1100.5	1070.9	1029.5	958.5
62.5°	863.8	872.7	866.7	872.7	884.5	872.7	866.7	860.9	840.2	813.5	754.3
65°	653.7	659.7	659.7	662.6	656.7	659.7	647.9	639.0	627.2	597.6	559.1
67.5°	497.0	497.0	497.0	497.0	494.0	491.1	488.1	479.3	458.6	446.7	405.2
70°	381.6	363.8	363.8	363.8	363.8	366.9	358.0	346.2	340.2	319.5	289.9
72.5°	254.4	260.3	254.4	254.4	248.5	251.4	239.6	233.7	227.8	216.0	198.2
75°	183.4	168.6	174.5	177.5	168.6	174.5	162.7	150.9	150.9	142.0	133.1
77.5°	118.4	115.4	118.4	121.3	118.4	115.4	109.5	103.5	103.5	100.6	91.7
80°	85.8	82.8	82.8	82.8	79.9	82.8	77.0	77.0	71.0	68.1	62.1
82.5°	56.3	56.3	53.2	56.3	53.2	56.3	47.4	47.4	47.4	44.3	38.5
85°	38.5	32.5	32.5	35.6	29.6	35.6	32.5	29.6	26.7	26.7	23.6
87.5°	17.8	20.7	17.8	20.7	17.8	17.8	20.7	17.8	17.8	11.8	11.8
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°	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4
2.5°	6028.8	6031.7	6031.7	6043.7	6049.5	6052.4	6052.4	6076.2	6067.3	6073.2	6079.1
5°	5943.1	5960.7	5966.7	5966.7	5999.2	6011.0	6022.8	6049.5	6052.4	6070.2	6090.9
7.5°	5860.2	5880.9	5892.8	5919.3	5940.0	5960.7	5996.3	6014.1	6031.7	6055.5	6082.0
10°	5780.3	5804.0	5827.6	5848.3	5880.9	5907.5	5931.1	5972.5	5993.4	6025.9	6061.3
12.5°	5703.4	5736.0	5756.7	5792.1	5827.6	5851.3	5886.8	5925.3	5957.8	5990.3	6031.7
15°	5635.4	5673.9	5697.5	5736.0	5774.4	5806.9	5845.4	5892.8	5916.4	5954.9	5993.4
17.5°	5561.4	5602.9	5632.5	5667.9	5715.3	5750.7	5783.3	5830.6	5860.2	5901.6	5946.0
20°	5484.5	5525.9	5561.4	5596.9	5644.3	5679.7	5718.2	5765.5	5798.1	5839.5	5875.0
22.5°	5392.8	5431.3	5469.7	5511.1	5558.4	5588.0	5632.5	5673.9	5709.3	5747.8	5783.3
25°	5274.5	5321.8	5351.4	5389.8	5428.3	5460.8	5508.1	5549.5	5579.1	5614.7	5647.2
27.5°	5135.4	5171.0	5194.6	5227.1	5265.6	5295.2	5330.6	5372.1	5401.7	5434.2	5457.9
30°	4898.7	4931.4	4952.1	4975.7	5014.2	5040.8	5070.4	5108.8	5129.5	5153.2	5173.9
32.5°	4588.1	4614.8	4626.6	4644.4	4671.0	4697.6	4721.3	4753.8	4762.7	4777.5	4777.5
35°	4138.6	4144.4	4141.5	4147.5	4159.3	4174.0	4194.7	4215.4	4227.2	4227.2	4218.4
37.5°	3611.9	3576.5	3538.0	3508.4	3499.6	3493.6	3505.5	3514.3	3526.2	3532.1	3517.3
40°	3064.7	2984.9	2899.0	2822.1	2768.9	2745.2	2736.4	2742.2	2742.2	2762.9	2762.9
42.5°	2594.4	2470.1	2342.9	2227.5	2150.6	2091.5	2064.8	2064.8	2067.8	2082.6	2091.5
45°	2203.9	2047.1	1899.1	1772.0	1665.5	1588.5	1553.1	1544.2	1541.3	1547.1	1567.8
47.5°	1905.1	1742.4	1588.5	1431.8	1319.4	1242.5	1209.9	1198.0	1186.2	1198.0	1201.1
50°	1671.4	1502.8	1340.1	1183.3	1064.9	996.9	955.5	937.7	934.8	934.8	940.7
52.5°	1458.3	1301.6	1139.0	979.2	854.9	789.9	751.4	742.5	730.7	742.5	742.5
55°	1257.2	1100.5	940.7	789.9	686.3	618.3	582.8	570.9	565.0	573.9	573.9
57.5°	1038.4	905.2	757.4	621.2	517.7	470.4	443.7	429.0	425.9	431.9	425.9
60°	852.0	739.6	612.3	488.1	408.3	358.0	337.3	331.3	325.3	331.3	331.3
62.5°	674.4	579.8	476.2	381.6	313.5	278.1	254.4	254.4	251.4	251.4	254.4
65°	500.0	425.9	352.0	272.1	218.9	192.3	174.5	174.5	171.6	174.5	171.6
67.5°	363.8	313.5	254.4	198.2	156.8	142.0	130.2	121.3	127.2	121.3	118.4
70°	266.3	224.8	183.4	150.9	121.3	106.5	97.7	94.6	88.8	88.8	88.8
72.5°	177.5	150.9	124.2	97.7	79.9	65.0	62.1	56.3	50.3	53.2	59.2
75°	118.4	100.6	88.8	71.0	53.2	53.2	35.6	35.6	29.6	35.6	26.7
77.5°	82.8	68.1	53.2	44.3	35.6	32.5	23.6	23.6	20.7	20.7	20.7
80°	59.2	50.3	38.5	32.5	23.6	23.6	20.7	17.8	14.7	14.7	17.8
82.5°	35.6	26.7	26.7	23.6	14.7	11.8	8.9	11.8	6.0	6.0	6.0
85°	20.7	17.8	14.7	8.9	6.0	6.0	2.9	0.0	2.9	2.9	0.0
87.5°	11.8	6.0	6.0	2.9	0.0	2.9	2.9	0.0	0.0	0.0	6.0
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°	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4
2.5°	6093.9	6090.9	6096.9	6096.9	6114.6	6111.6	6120.5	6120.5	6114.6	6117.6	6129.4
5°	6114.6	6123.5	6141.2	6156.0	6182.6	6194.5	6209.2	6224.1	6227.0	6235.9	6244.8
7.5°	6114.6	6144.2	6164.9	6191.5	6227.0	6247.7	6280.2	6306.9	6318.7	6333.4	6351.2
10°	6102.7	6132.3	6170.8	6200.4	6244.8	6277.3	6309.8	6351.2	6369.0	6392.6	6416.4
12.5°	6079.1	6111.6	6153.0	6191.5	6241.8	6271.3	6312.7	6351.2	6377.9	6410.4	6437.1
15°	6043.7	6082.0	6120.5	6159.0	6212.2	6247.7	6286.2	6330.5	6357.2	6392.6	6416.4
17.5°	5987.4	6028.8	6064.4	6099.8	6150.1	6191.5	6227.0	6268.4	6295.1	6324.7	6357.2
20°	5919.3	5957.8	5996.3	6025.9	6076.2	6111.6	6150.1	6188.5	6209.2	6215.2	6265.5
22.5°	5833.6	5860.2	5889.7	5937.1	5966.7	5999.2	6034.8	6070.2	6090.9	6123.5	6141.2
25°	5691.5	5718.2	5750.7	5771.4	5806.9	5833.6	5869.0	5907.5	5919.3	5943.1	5960.7
27.5°	5493.4	5508.1	5523.0	5540.7	5561.4	5576.2	5596.9	5614.7	5626.5	5638.3	5650.1
30°	5179.8	5179.8	5179.8	5167.9	5176.8	5185.7	5188.6	5185.7	5185.7	5182.8	5182.8
32.5°	4765.6	4742.0	4715.4	4691.7	4682.8	4671.0	4665.1	4656.2	4641.4	4632.6	4635.5
35°	4206.5	4153.3	4120.8	4091.2	4067.6	4049.8	4040.9	4032.0	4029.1	4017.3	4005.4
37.5°	3508.4	3470.0	3446.3	3428.6	3407.9	3390.1	3393.0	3396.1	3404.8	3399.0	3401.9
40°	2768.9	2760.0	2768.9	2748.2	2742.2	2748.2	2762.9	2783.7	2795.5	2807.3	2828.0
42.5°	2106.2	2121.0	2141.8	2141.8	2150.6	2162.5	2180.1	2212.8	2230.4	2251.1	2274.9
45°	1585.6	1603.4	1630.0	1638.8	1644.8	1659.5	1680.3	1706.9	1718.7	1736.4	1757.1
47.5°	1221.8	1233.6	1248.3	1263.2	1277.9	1283.9	1304.6	1304.6	1319.4	1331.2	1337.1
50°	952.5	964.4	976.2	985.1	991.0	999.9	1005.8	1014.6	1017.6	1023.5	1026.5
52.5°	745.4	760.3	760.3	766.1	775.0	783.9	781.0	783.9	786.8	786.8	795.7
55°	582.8	582.8	591.6	591.6	597.6	594.6	597.6	597.6	597.6	597.6	600.5
57.5°	434.8	437.9	446.7	440.8	437.9	443.7	437.9	443.7	440.8	446.7	437.9
60°	334.2	334.2	337.3	337.3	340.2	340.2	340.2	337.3	337.3	334.2	334.2
62.5°	251.4	254.4	257.4	254.4	254.4	254.4	251.4	251.4	248.5	245.5	245.5
65°	168.6	165.7	171.6	165.7	168.6	168.6	165.7	168.6	159.8	162.7	159.8
67.5°	121.3	118.4	115.4	118.4	115.4	112.4	112.4	115.4	118.4	109.5	109.5
70°	79.9	82.8	79.9	82.8	85.8	85.8	82.8	79.9	82.8	77.0	79.9
72.5°	50.3	50.3	50.3	50.3	50.3	53.2	53.2	53.2	47.4	47.4	44.3
75°	23.6	32.5	26.7	23.6	32.5	32.5	29.6	29.6	26.7	26.7	26.7
77.5°	23.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8	14.7	17.8	14.7
80°	11.8	11.8	11.8	8.9	11.8	11.8	14.7	11.8	11.8	8.9	14.7
82.5°	6.0	6.0	6.0	0.0	2.9	6.0	6.0	2.9	6.0	6.0	2.9
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: P248546

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4
2.5°	6126.5	6123.5	6126.5	6129.4	6126.5	6123.5	6126.5	6129.4	6117.6	6114.6	6120.5
5°	6256.6	6256.6	6262.5	6265.5	6262.5	6256.6	6256.6	6244.8	6235.9	6227.0	6224.1
7.5°	6369.0	6375.0	6380.8	6383.7	6380.8	6375.0	6369.0	6351.2	6333.4	6318.7	6306.9
10°	6437.1	6446.0	6457.8	6463.6	6457.8	6446.0	6437.1	6416.4	6392.6	6369.0	6351.2
12.5°	6466.7	6475.5	6490.3	6487.4	6490.3	6475.5	6466.7	6437.1	6410.4	6377.9	6351.2
15°	6446.0	6457.8	6472.5	6478.5	6472.5	6457.8	6446.0	6416.4	6392.6	6357.2	6330.5
17.5°	6380.8	6398.6	6407.5	6416.4	6407.5	6398.6	6380.8	6357.2	6324.7	6295.1	6268.4
20°	6292.0	6304.0	6315.8	6318.7	6315.8	6304.0	6292.0	6265.5	6215.2	6209.2	6188.5
22.5°	6164.9	6173.8	6200.4	6191.5	6200.4	6173.8	6164.9	6141.2	6123.5	6090.9	6070.2
25°	5981.4	5990.3	5993.4	5996.3	5993.4	5990.3	5981.4	5960.7	5943.1	5919.3	5907.5
27.5°	5665.0	5665.0	5670.8	5673.9	5670.8	5665.0	5665.0	5650.1	5638.3	5626.5	5614.7
30°	5185.7	5185.7	5185.7	5200.6	5185.7	5185.7	5185.7	5182.8	5182.8	5185.7	5185.7
32.5°	4632.6	4626.6	4620.7	4626.6	4620.7	4626.6	4632.6	4635.5	4632.6	4641.4	4656.2
35°	4005.4	4002.4	4011.3	3999.5	4011.3	4002.4	4005.4	4005.4	4017.3	4029.1	4032.0
37.5°	3404.8	3399.0	3410.8	3399.0	3410.8	3399.0	3404.8	3401.9	3399.0	3404.8	3396.1
40°	2834.0	2839.9	2839.9	2863.6	2839.9	2839.9	2834.0	2828.0	2807.3	2795.5	2783.7
42.5°	2286.7	2304.5	2298.5	2316.3	2298.5	2304.5	2286.7	2274.9	2251.1	2230.4	2212.8
45°	1769.0	1780.9	1780.9	1786.7	1780.9	1780.9	1769.0	1757.1	1736.4	1718.7	1706.9
47.5°	1357.8	1357.8	1357.8	1360.8	1357.8	1357.8	1357.8	1337.1	1331.2	1319.4	1304.6
50°	1032.4	1035.3	1038.4	1041.3	1038.4	1035.3	1032.4	1026.5	1023.5	1017.6	1014.6
52.5°	792.8	795.7	789.9	795.7	789.9	795.7	792.8	795.7	786.8	786.8	783.9
55°	600.5	597.6	600.5	603.5	600.5	597.6	600.5	600.5	597.6	597.6	597.6
57.5°	440.8	434.8	434.8	434.8	434.8	434.8	440.8	437.9	446.7	440.8	443.7
60°	328.4	331.3	331.3	334.2	331.3	331.3	328.4	334.2	334.2	337.3	337.3
62.5°	242.5	251.4	245.5	251.4	245.5	251.4	242.5	245.5	245.5	248.5	251.4
65°	156.8	156.8	156.8	159.8	156.8	156.8	156.8	159.8	162.7	159.8	168.6
67.5°	106.5	109.5	115.4	112.4	115.4	109.5	106.5	109.5	109.5	118.4	115.4
70°	85.8	77.0	77.0	85.8	77.0	77.0	85.8	79.9	77.0	82.8	79.9
72.5°	50.3	44.3	50.3	50.3	50.3	44.3	50.3	44.3	47.4	47.4	53.2
75°	26.7	23.6	20.7	29.6	20.7	23.6	26.7	26.7	26.7	26.7	29.6
77.5°	17.8	14.7	20.7	20.7	20.7	14.7	17.8	14.7	17.8	14.7	17.8
80°	8.9	11.8	8.9	14.7	8.9	11.8	8.9	14.7	8.9	11.8	11.8
82.5°	2.9	6.0	6.0	6.0	6.0	6.0	2.9	2.9	6.0	6.0	2.9
85°	0.0	6.0	2.9	2.9	2.9	6.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.0	0.0	2.9	0.0	0.0	2.9	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: P248546

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4
2.5°	6120.5	6111.6	6114.6	6096.9	6096.9	6090.9	6093.9	6079.1	6073.2	6067.3	6076.2
5°	6209.2	6194.5	6182.6	6156.0	6141.2	6123.5	6114.6	6090.9	6070.2	6052.4	6049.5
7.5°	6280.2	6247.7	6227.0	6191.5	6164.9	6144.2	6114.6	6082.0	6055.5	6031.7	6014.1
10°	6309.8	6277.3	6244.8	6200.4	6170.8	6132.3	6102.7	6061.3	6025.9	5993.4	5972.5
12.5°	6312.7	6271.3	6241.8	6191.5	6153.0	6111.6	6079.1	6031.7	5990.3	5957.8	5925.3
15°	6286.2	6247.7	6212.2	6159.0	6120.5	6082.0	6043.7	5993.4	5954.9	5916.4	5892.8
17.5°	6227.0	6191.5	6150.1	6099.8	6064.4	6028.8	5987.4	5946.0	5901.6	5860.2	5830.6
20°	6150.1	6111.6	6076.2	6025.9	5996.3	5957.8	5919.3	5875.0	5839.5	5798.1	5765.5
22.5°	6034.8	5999.2	5966.7	5937.1	5889.7	5860.2	5833.6	5783.3	5747.8	5709.3	5673.9
25°	5869.0	5833.6	5806.9	5771.4	5750.7	5718.2	5691.5	5647.2	5614.7	5579.1	5549.5
27.5°	5596.9	5576.2	5561.4	5540.7	5523.0	5508.1	5493.4	5457.9	5434.2	5401.7	5372.1
30°	5188.6	5185.7	5176.8	5167.9	5179.8	5179.8	5179.8	5173.9	5153.2	5129.5	5108.8
32.5°	4665.1	4671.0	4682.8	4691.7	4715.4	4742.0	4765.6	4777.5	4777.5	4762.7	4753.8
35°	4040.9	4049.8	4067.6	4091.2	4120.8	4153.3	4206.5	4218.4	4227.2	4227.2	4215.4
37.5°	3393.0	3390.1	3407.9	3428.6	3446.3	3470.0	3508.4	3517.3	3532.1	3526.2	3514.3
40°	2762.9	2748.2	2742.2	2748.2	2768.9	2760.0	2768.9	2762.9	2762.9	2742.2	2742.2
42.5°	2180.1	2162.5	2150.6	2141.8	2141.8	2121.0	2106.2	2091.5	2082.6	2067.8	2064.8
45°	1680.3	1659.5	1644.8	1638.8	1630.0	1603.4	1585.6	1567.8	1547.1	1541.3	1544.2
47.5°	1304.6	1283.9	1277.9	1263.2	1248.3	1233.6	1221.8	1201.1	1198.0	1186.2	1198.0
50°	1005.8	999.9	991.0	985.1	976.2	964.4	952.5	940.7	934.8	934.8	937.7
52.5°	781.0	783.9	775.0	766.1	760.3	760.3	745.4	742.5	742.5	730.7	742.5
55°	597.6	594.6	597.6	591.6	591.6	582.8	582.8	573.9	573.9	565.0	570.9
57.5°	437.9	443.7	437.9	440.8	446.7	437.9	434.8	425.9	431.9	425.9	429.0
60°	340.2	340.2	340.2	337.3	337.3	334.2	334.2	331.3	331.3	325.3	331.3
62.5°	251.4	254.4	254.4	254.4	257.4	254.4	251.4	254.4	251.4	251.4	254.4
65°	165.7	168.6	168.6	165.7	171.6	165.7	168.6	171.6	174.5	171.6	174.5
67.5°	112.4	112.4	115.4	118.4	115.4	118.4	121.3	118.4	121.3	127.2	121.3
70°	82.8	85.8	85.8	82.8	79.9	82.8	79.9	88.8	88.8	88.8	94.6
72.5°	53.2	53.2	50.3	50.3	50.3	50.3	50.3	59.2	53.2	50.3	56.3
75°	29.6	32.5	32.5	23.6	26.7	32.5	23.6	26.7	35.6	29.6	35.6
77.5°	17.8	17.8	17.8	17.8	17.8	17.8	23.6	20.7	20.7	20.7	23.6
80°	14.7	11.8	11.8	8.9	11.8	11.8	11.8	17.8	14.7	14.7	17.8
82.5°	6.0	6.0	2.9	0.0	6.0	6.0	6.0	6.0	6.0	6.0	11.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	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: P248546

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4
2.5°	6052.4	6052.4	6049.5	6043.7	6031.7	6031.7	6028.8	6019.9	6014.1	6011.0	6011.0
5°	6022.8	6011.0	5999.2	5966.7	5966.7	5960.7	5943.1	5931.1	5925.3	5910.4	5904.6
7.5°	5996.3	5960.7	5940.0	5919.3	5892.8	5880.9	5860.2	5851.3	5830.6	5815.8	5806.9
10°	5931.1	5907.5	5880.9	5848.3	5827.6	5804.0	5780.3	5762.6	5736.0	5721.1	5709.3
12.5°	5886.8	5851.3	5827.6	5792.1	5756.7	5736.0	5703.4	5682.7	5656.1	5626.5	5608.7
15°	5845.4	5806.9	5774.4	5736.0	5697.5	5673.9	5635.4	5611.8	5573.3	5543.7	5523.0
17.5°	5783.3	5750.7	5715.3	5667.9	5632.5	5602.9	5561.4	5531.9	5496.3	5457.9	5437.2
20°	5718.2	5679.7	5644.3	5596.9	5561.4	5525.9	5484.5	5452.0	5410.5	5375.1	5351.4
22.5°	5632.5	5588.0	5558.4	5511.1	5469.7	5431.3	5392.8	5354.4	5315.9	5286.3	5259.6
25°	5508.1	5460.8	5428.3	5389.8	5351.4	5321.8	5274.5	5250.9	5212.4	5185.7	5159.1
27.5°	5330.6	5295.2	5265.6	5227.1	5194.6	5171.0	5135.4	5111.8	5079.2	5055.6	5034.9
30°	5070.4	5040.8	5014.2	4975.7	4952.1	4931.4	4898.7	4878.0	4854.4	4827.7	4821.9
32.5°	4721.3	4697.6	4671.0	4644.4	4626.6	4614.8	4588.1	4576.3	4552.7	4537.8	4523.1
35°	4194.7	4174.0	4159.3	4147.5	4141.5	4144.4	4138.6	4150.4	4156.2	4153.3	4156.2
37.5°	3505.5	3493.6	3499.6	3508.4	3538.0	3576.5	3611.9	3665.2	3700.7	3736.3	3768.8
40°	2736.4	2745.2	2768.9	2822.1	2899.0	2984.9	3064.7	3165.3	3265.9	3336.9	3401.9
42.5°	2064.8	2091.5	2150.6	2227.5	2342.9	2470.1	2594.4	2742.2	2863.6	2981.8	3064.7
45°	1553.1	1588.5	1665.5	1772.0	1899.1	2047.1	2203.9	2369.5	2514.5	2635.8	2727.5
47.5°	1209.9	1242.5	1319.4	1431.8	1588.5	1742.4	1905.1	2076.6	2227.5	2345.9	2425.7
50°	955.5	996.9	1064.9	1183.3	1340.1	1502.8	1671.4	1839.9	1982.0	2082.6	2153.6
52.5°	751.4	789.9	854.9	979.2	1139.0	1301.6	1458.3	1624.1	1748.3	1845.9	1893.3
55°	582.8	618.3	686.3	789.9	940.7	1100.5	1257.2	1399.3	1514.6	1585.6	1630.0
57.5°	443.7	470.4	517.7	621.2	757.4	905.2	1038.4	1180.4	1269.1	1319.4	1348.9
60°	337.3	358.0	408.3	488.1	612.3	739.6	852.0	958.5	1029.5	1070.9	1100.5
62.5°	254.4	278.1	313.5	381.6	476.2	579.8	674.4	754.3	813.5	840.2	860.9
65°	174.5	192.3	218.9	272.1	352.0	425.9	500.0	559.1	597.6	627.2	639.0
67.5°	130.2	142.0	156.8	198.2	254.4	313.5	363.8	405.2	446.7	458.6	479.3
70°	97.7	106.5	121.3	150.9	183.4	224.8	266.3	289.9	319.5	340.2	346.2
72.5°	62.1	65.0	79.9	97.7	124.2	150.9	177.5	198.2	216.0	227.8	233.7
75°	35.6	53.2	53.2	71.0	88.8	100.6	118.4	133.1	142.0	150.9	150.9
77.5°	23.6	32.5	35.6	44.3	53.2	68.1	82.8	91.7	100.6	103.5	103.5
80°	20.7	23.6	23.6	32.5	38.5	50.3	59.2	62.1	68.1	71.0	77.0
82.5°	8.9	11.8	14.7	23.6	26.7	26.7	35.6	38.5	44.3	47.4	47.4
85°	2.9	6.0	6.0	8.9	14.7	17.8	20.7	23.6	26.7	26.7	29.6
87.5°	2.9	2.9	0.0	2.9	6.0	6.0	11.8	11.8	11.8	17.8	17.8
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: P248546

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4	6058.4
2.5°	6005.2	6008.1	5996.3	5993.4	5987.4	5990.3	5996.3
5°	5895.7	5898.6	5886.8	5875.0	5875.0	5872.0	5875.0
7.5°	5792.1	5795.1	5777.4	5771.4	5759.6	5762.6	5762.6
10°	5688.6	5688.6	5662.1	5659.0	5650.1	5647.2	5647.2
12.5°	5588.0	5579.1	5558.4	5546.6	5552.6	5534.8	5534.8
15°	5499.3	5484.5	5457.9	5449.0	5434.2	5428.3	5428.3
17.5°	5407.6	5395.8	5372.1	5354.4	5336.6	5333.7	5336.6
20°	5318.8	5307.0	5277.4	5265.6	5250.9	5250.9	5244.9
22.5°	5230.0	5218.2	5191.7	5182.8	5162.1	5162.1	5165.0
25°	5138.4	5129.5	5099.9	5094.0	5091.1	5079.2	5085.1
27.5°	5014.2	5008.2	4984.6	4975.7	4963.9	4960.9	4966.8
30°	4786.3	4777.5	4759.8	4750.9	4730.2	4733.1	4739.0
32.5°	4502.4	4490.6	4466.8	4457.9	4440.3	4434.3	4437.2
35°	4147.5	4138.6	4117.9	4117.9	4100.1	4094.1	4100.1
37.5°	3786.6	3795.3	3786.6	3795.3	3786.6	3783.5	3786.6
40°	3446.3	3478.9	3484.7	3517.3	3505.5	3523.2	3520.3
42.5°	3120.9	3174.1	3194.9	3221.5	3215.6	3227.4	3236.3
45°	2792.5	2836.9	2857.6	2875.4	2878.3	2884.3	2887.2
47.5°	2481.9	2517.4	2520.3	2541.0	2538.1	2538.1	2547.0
50°	2192.1	2215.7	2221.5	2236.4	2224.6	2218.6	2221.5
52.5°	1922.9	1946.5	1940.5	1946.5	1931.8	1925.8	1928.7
55°	1647.7	1659.5	1659.5	1659.5	1641.8	1641.8	1641.8
57.5°	1366.7	1369.7	1363.7	1366.7	1363.7	1346.0	1343.0
60°	1109.4	1109.4	1106.3	1109.4	1100.5	1091.6	1091.6
62.5°	866.7	872.7	884.5	872.7	866.7	872.7	863.8
65°	647.9	659.7	656.7	662.6	659.7	659.7	653.7
67.5°	488.1	491.1	494.0	497.0	497.0	497.0	497.0
70°	358.0	366.9	363.8	363.8	363.8	363.8	381.6
72.5°	239.6	251.4	248.5	254.4	254.4	260.3	254.4
75°	162.7	174.5	168.6	177.5	174.5	168.6	183.4
77.5°	109.5	115.4	118.4	121.3	118.4	115.4	118.4
80°	77.0	82.8	79.9	82.8	82.8	82.8	85.8
82.5°	47.4	56.3	53.2	56.3	53.2	56.3	56.3
85°	32.5	35.6	29.6	35.6	32.5	32.5	38.5
87.5°	20.7	17.8	17.8	20.7	17.8	20.7	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)