

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: P248962

Luminaire Tested: **LD8B150D010 ER8B1509727 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248962
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: LD8B150D010 ER8B1509727 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8646.0 lumens
Efficiency: N/A
Efficacy: 54.5 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

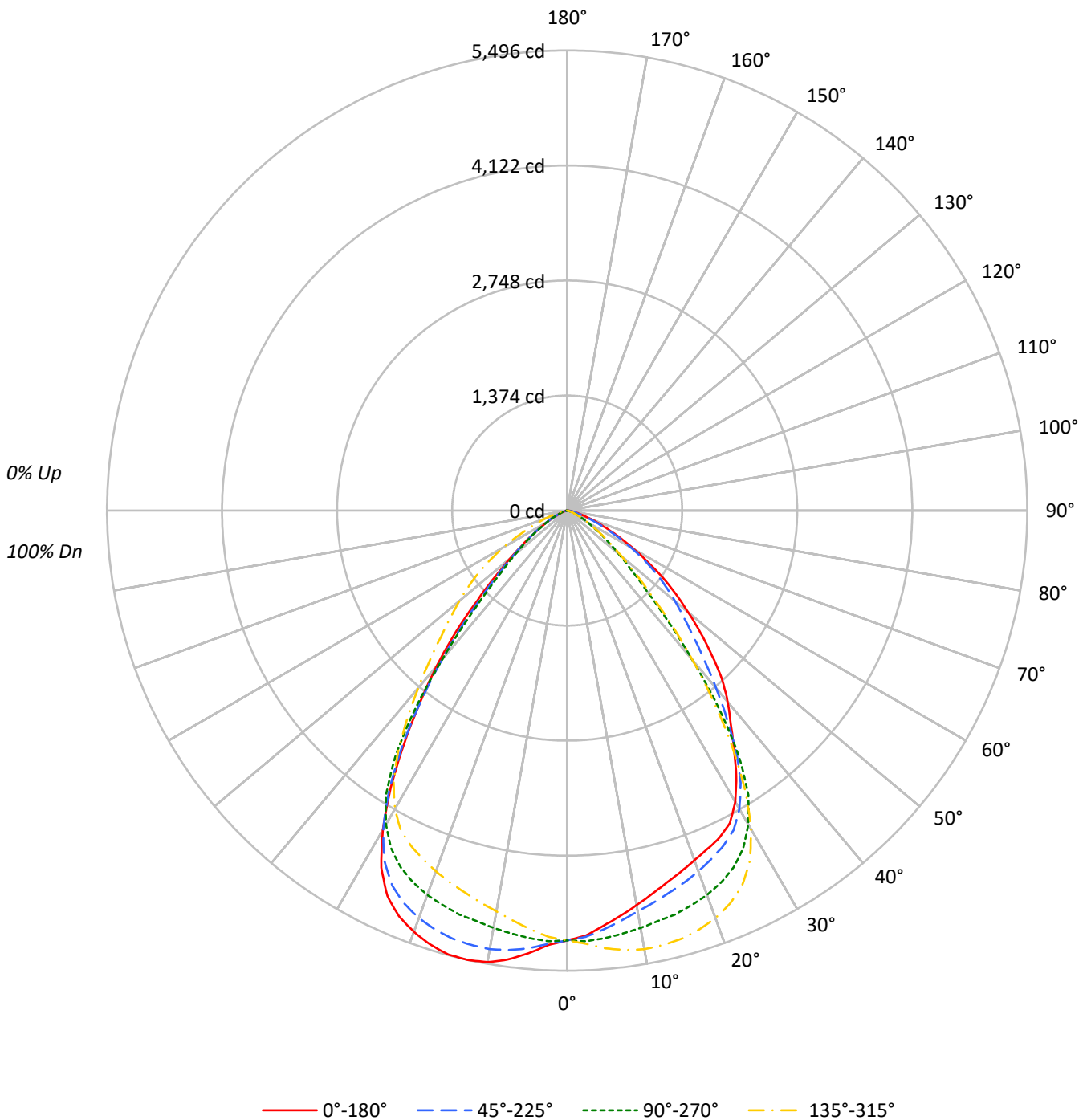
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	488.6	5.7
10°-20°	1414.8	16.4
20°-30°	2142.2	24.8
30°-40°	2147.0	24.8
40°-50°	1348.2	15.6
50°-60°	718.5	8.3
60°-70°	295.4	3.4
70°-80°	78.1	0.9
80°-90°	13.2	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°	4045.5	46.8
0°-40°	6192.6	71.6
0°-60°	8259.3	95.5
0°-90°	8646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8646.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5133	5133	5133	5133	5133	
5°	4978	5125	5308	5125	4978	469
15°	4599	4993	5489	4993	4599	1301
25°	4308	4702	5080	4702	4308	1976
35°	3474	3571	3388	3571	3474	2176
45°	2446	1308	1514	1308	2446	1881
55°	1391	484	511	484	1391	1240
65°	554	148	135	148	554	575
75°	155	30	25	30	155	176
85°	33	0	2	0	33	36
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°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5080.2	5075.2	5072.7	5077.8	5080.2	5090.3	5087.8	5092.7	5092.7	5095.3	5100.3
5°	4977.5	4974.9	4977.5	4977.5	4987.5	4997.5	4995.0	5002.6	5007.5	5020.1	5025.1
7.5°	4882.3	4882.3	4879.7	4889.7	4894.8	4909.8	4907.2	4919.8	4927.4	4939.8	4957.4
10°	4784.5	4784.5	4787.0	4794.5	4797.1	4819.6	4819.6	4837.1	4847.1	4859.7	4882.3
12.5°	4689.3	4689.3	4704.3	4699.3	4709.3	4726.8	4734.3	4751.9	4766.9	4792.0	4814.6
15°	4599.0	4599.0	4604.1	4616.5	4624.1	4646.7	4659.1	4679.3	4696.8	4721.9	4754.5
17.5°	4521.3	4518.8	4521.3	4536.4	4551.4	4571.5	4581.5	4606.5	4624.1	4656.7	4686.8
20°	4443.6	4448.7	4448.7	4461.2	4471.2	4496.3	4506.3	4533.9	4553.9	4583.9	4619.1
22.5°	4376.0	4373.5	4373.5	4391.0	4398.6	4421.0	4431.1	4456.1	4478.7	4503.8	4536.4
25°	4308.3	4303.2	4313.3	4315.8	4320.8	4345.8	4353.4	4370.9	4393.5	4416.1	4448.7
27.5°	4208.0	4203.1	4205.5	4215.6	4223.1	4243.1	4248.2	4265.7	4283.2	4303.2	4330.9
30°	4015.0	4010.1	4007.6	4025.1	4032.6	4047.6	4055.1	4085.3	4090.2	4112.8	4132.8
32.5°	3759.4	3756.9	3762.0	3776.9	3784.4	3804.6	3814.6	3832.1	3844.6	3857.2	3877.2
35°	3473.7	3468.7	3473.7	3488.8	3488.8	3506.3	3513.9	3521.3	3518.8	3521.3	3516.3
37.5°	3208.1	3205.5	3208.1	3215.5	3208.1	3215.5	3208.1	3193.0	3165.5	3135.4	3105.2
40°	2982.5	2985.0	2970.0	2980.0	2952.4	2947.4	2919.9	2882.2	2827.1	2767.0	2681.8
42.5°	2741.9	2734.4	2724.4	2729.3	2706.8	2689.2	2644.1	2596.6	2526.3	2426.1	2323.3
45°	2446.1	2443.7	2438.6	2436.1	2421.1	2403.5	2365.9	2310.8	2233.1	2130.4	2007.5
47.5°	2157.9	2150.4	2150.4	2152.9	2135.3	2132.8	2102.7	2055.2	1987.5	1887.2	1759.4
50°	1882.2	1879.7	1884.7	1894.7	1882.2	1877.2	1857.2	1824.6	1764.5	1679.2	1558.9
52.5°	1634.1	1631.6	1636.6	1649.1	1644.1	1649.1	1629.1	1604.0	1563.9	1481.2	1376.0
55°	1391.0	1391.0	1391.0	1406.0	1406.0	1406.0	1396.0	1381.0	1343.4	1283.2	1185.5
57.5°	1137.9	1140.3	1155.4	1157.9	1155.4	1160.5	1157.9	1142.8	1117.8	1075.2	1000.0
60°	924.8	924.8	932.4	939.9	937.3	939.9	939.9	932.4	907.3	872.2	812.1
62.5°	731.8	739.4	734.3	739.4	749.4	739.4	734.3	729.3	711.8	689.2	639.1
65°	553.9	558.9	558.9	561.4	556.3	558.9	548.9	541.4	531.4	506.3	473.7
67.5°	421.1	421.1	421.1	421.1	418.5	416.0	413.6	406.0	388.5	378.5	343.3
70°	323.3	308.2	308.2	308.2	308.2	310.8	303.3	293.3	288.2	270.7	245.6
72.5°	215.5	220.6	215.5	215.5	210.6	213.0	203.0	198.0	193.0	183.0	167.9
75°	155.4	142.9	147.8	150.4	142.9	147.8	137.8	127.8	127.8	120.3	112.8
77.5°	100.3	97.8	100.3	102.7	100.3	97.8	92.7	87.7	87.7	85.2	77.7
80°	72.7	70.1	70.1	70.1	67.7	70.1	65.2	65.2	60.1	57.7	52.6
82.5°	47.7	47.7	45.1	47.7	45.1	47.7	40.1	40.1	40.1	37.6	32.6
85°	32.6	27.5	27.5	30.1	25.1	30.1	27.5	25.1	22.6	22.6	20.0
87.5°	15.1	17.5	15.1	17.5	15.1	15.1	17.5	15.1	15.1	10.0	10.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5107.8	5110.3	5110.3	5120.4	5125.3	5127.8	5127.8	5147.9	5140.4	5145.4	5150.4
5°	5035.2	5050.1	5055.2	5055.2	5082.7	5092.7	5102.7	5125.3	5127.8	5142.9	5160.4
7.5°	4964.9	4982.4	4992.6	5015.0	5032.6	5050.1	5080.2	5095.3	5110.3	5130.4	5152.9
10°	4897.2	4917.4	4937.4	4954.9	4982.4	5005.0	5025.1	5060.1	5077.8	5105.3	5135.3
12.5°	4832.1	4859.7	4877.2	4907.2	4937.4	4957.4	4987.5	5020.1	5047.6	5075.2	5110.3
15°	4774.5	4807.1	4827.1	4859.7	4892.3	4919.8	4952.4	4992.6	5012.6	5045.2	5077.8
17.5°	4711.8	4746.9	4772.0	4802.0	4842.1	4872.2	4899.8	4939.8	4964.9	5000.0	5037.6
20°	4646.7	4681.7	4711.8	4741.9	4782.0	4812.0	4844.6	4884.8	4912.3	4947.4	4977.5
22.5°	4569.0	4601.6	4634.1	4669.1	4709.3	4734.3	4772.0	4807.1	4837.1	4869.7	4899.8
25°	4468.7	4508.8	4533.9	4566.4	4599.0	4626.5	4666.7	4701.7	4726.8	4756.9	4784.5
27.5°	4350.9	4381.0	4401.0	4428.6	4461.2	4486.2	4516.3	4551.4	4576.5	4604.1	4624.1
30°	4150.4	4178.0	4195.5	4215.6	4248.2	4270.7	4295.8	4328.3	4345.8	4366.0	4383.5
32.5°	3887.2	3909.8	3919.8	3934.9	3957.4	3979.9	4000.1	4027.6	4035.1	4047.6	4047.6
35°	3506.3	3511.3	3508.8	3513.9	3523.9	3536.3	3553.9	3571.4	3581.4	3581.4	3574.0
37.5°	3060.2	3030.1	2997.5	2972.5	2964.9	2959.9	2970.0	2977.4	2987.5	2992.5	2980.0
40°	2596.6	2528.9	2456.1	2391.0	2345.9	2325.9	2318.3	2323.3	2323.3	2340.8	2340.8
42.5°	2198.0	2092.7	1985.0	1887.2	1822.0	1772.0	1749.4	1749.4	1751.9	1764.5	1772.0
45°	1867.2	1734.3	1609.0	1501.3	1411.0	1345.8	1315.8	1308.3	1305.8	1310.8	1328.3
47.5°	1614.0	1476.2	1345.8	1213.1	1117.8	1052.7	1025.1	1015.0	1005.0	1015.0	1017.6
50°	1416.1	1273.2	1135.4	1002.5	902.2	844.6	809.5	794.4	792.0	792.0	797.0
52.5°	1235.6	1102.8	965.0	829.6	724.3	669.2	636.6	629.1	619.1	629.1	629.1
55°	1065.1	932.4	797.0	669.2	581.4	523.8	493.7	483.7	478.7	486.2	486.2
57.5°	879.8	766.9	641.7	526.3	438.6	398.5	375.9	363.4	360.9	365.9	360.9
60°	721.8	626.6	518.8	413.6	345.9	303.3	285.8	280.7	275.6	280.7	280.7
62.5°	571.4	491.3	403.5	323.3	265.6	235.6	215.5	215.5	213.0	213.0	215.5
65°	423.6	360.9	298.2	230.6	185.5	162.9	147.8	147.8	145.4	147.8	145.4
67.5°	308.2	265.6	215.5	167.9	132.9	120.3	110.3	102.7	107.8	102.7	100.3
70°	225.6	190.4	155.4	127.8	102.7	90.3	82.7	80.2	75.2	75.2	75.2
72.5°	150.4	127.8	105.2	82.7	67.7	55.1	52.6	47.7	42.6	45.1	50.1
75°	100.3	85.2	75.2	60.1	45.1	45.1	30.1	30.1	25.1	30.1	22.6
77.5°	70.1	57.7	45.1	37.6	30.1	27.5	20.0	20.0	17.5	17.5	17.5
80°	50.1	42.6	32.6	27.5	20.0	20.0	17.5	15.1	12.5	12.5	15.1
82.5°	30.1	22.6	22.6	20.0	12.5	10.0	7.5	10.0	5.1	5.1	5.1
85°	17.5	15.1	12.5	7.5	5.1	5.1	2.5	0.0	2.5	2.5	0.0
87.5°	10.0	5.1	5.1	2.5	0.0	2.5	2.5	0.0	0.0	0.0	5.1
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°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5163.0	5160.4	5165.5	5165.5	5180.5	5177.9	5185.5	5185.5	5180.5	5183.0	5193.0
5°	5180.5	5188.0	5203.0	5215.6	5238.1	5248.2	5260.7	5273.3	5275.7	5283.3	5290.8
7.5°	5180.5	5205.6	5223.1	5245.6	5275.7	5293.3	5320.8	5343.4	5353.4	5365.9	5381.0
10°	5170.4	5195.5	5228.1	5253.1	5290.8	5318.3	5345.9	5381.0	5396.0	5416.0	5436.1
12.5°	5150.4	5177.9	5213.0	5245.6	5288.2	5313.3	5348.4	5381.0	5403.5	5431.1	5453.7
15°	5120.4	5152.9	5185.5	5218.1	5263.1	5293.3	5325.9	5363.4	5386.0	5416.0	5436.1
17.5°	5072.7	5107.8	5137.9	5167.9	5210.5	5245.6	5275.7	5310.8	5333.4	5358.5	5386.0
20°	5015.0	5047.6	5080.2	5105.3	5147.9	5177.9	5210.5	5243.1	5260.7	5265.7	5308.3
22.5°	4942.4	4964.9	4990.0	5030.1	5055.2	5082.7	5112.8	5142.9	5160.4	5188.0	5203.0
25°	4822.0	4844.6	4872.2	4889.7	4919.8	4942.4	4972.4	5005.0	5015.0	5035.2	5050.1
27.5°	4654.2	4666.7	4679.3	4694.2	4711.8	4724.3	4741.9	4756.9	4766.9	4777.0	4787.0
30°	4388.4	4388.4	4388.4	4378.4	4386.0	4393.5	4396.0	4393.5	4393.5	4391.0	4391.0
32.5°	4037.6	4017.6	3995.0	3975.0	3967.5	3957.4	3952.4	3944.9	3932.4	3924.8	3927.3
35°	3563.9	3518.8	3491.3	3466.2	3446.2	3431.1	3423.6	3416.1	3413.6	3403.6	3393.5
37.5°	2972.5	2939.9	2919.9	2904.8	2887.3	2872.2	2874.7	2877.3	2884.7	2879.7	2882.2
40°	2345.9	2338.3	2345.9	2328.3	2323.3	2328.3	2340.8	2358.5	2368.5	2378.5	2396.0
42.5°	1784.5	1797.0	1814.6	1814.6	1822.0	1832.1	1847.1	1874.7	1889.7	1907.2	1927.3
45°	1343.4	1358.4	1381.0	1388.4	1393.5	1406.0	1423.6	1446.1	1456.1	1471.2	1488.7
47.5°	1035.1	1045.1	1057.6	1070.2	1082.7	1087.7	1105.3	1105.3	1117.8	1127.9	1132.8
50°	807.0	817.0	827.0	834.6	839.6	847.2	852.1	859.6	862.1	867.2	869.6
52.5°	631.5	644.1	644.1	649.1	656.6	664.1	661.7	664.1	666.6	666.6	674.2
55°	493.7	493.7	501.3	501.3	506.3	503.7	506.3	506.3	506.3	506.3	508.8
57.5°	368.4	371.0	378.5	373.4	371.0	375.9	371.0	375.9	373.4	378.5	371.0
60°	283.2	283.2	285.8	285.8	288.2	288.2	288.2	285.8	285.8	283.2	283.2
62.5°	213.0	215.5	218.1	215.5	215.5	215.5	213.0	213.0	210.6	208.0	208.0
65°	142.9	140.4	145.4	140.4	142.9	142.9	140.4	142.9	135.3	137.8	135.3
67.5°	102.7	100.3	97.8	100.3	97.8	95.2	95.2	97.8	100.3	92.7	92.7
70°	67.7	70.1	67.7	70.1	72.7	72.7	70.1	67.7	70.1	65.2	67.7
72.5°	42.6	42.6	42.6	42.6	42.6	45.1	45.1	45.1	40.1	40.1	37.6
75°	20.0	27.5	22.6	20.0	27.5	27.5	25.1	25.1	22.6	22.6	22.6
77.5°	20.0	15.1	15.1	15.1	15.1	15.1	15.1	15.1	12.5	15.1	12.5
80°	10.0	10.0	10.0	7.5	10.0	10.0	12.5	10.0	10.0	7.5	12.5
82.5°	5.1	5.1	5.1	0.0	2.5	5.1	5.1	2.5	5.1	5.1	2.5
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: P248962

CATALOG NUMBER: LD8B150D010 ER8B1509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5190.5	5188.0	5190.5	5193.0	5190.5	5188.0	5190.5	5193.0	5183.0	5180.5	5185.5
5°	5300.8	5300.8	5305.8	5308.3	5305.8	5300.8	5300.8	5290.8	5283.3	5275.7	5273.3
7.5°	5396.0	5401.1	5406.0	5408.5	5406.0	5401.1	5396.0	5381.0	5365.9	5353.4	5343.4
10°	5453.7	5461.2	5471.2	5476.2	5471.2	5461.2	5453.7	5436.1	5416.0	5396.0	5381.0
12.5°	5478.8	5486.3	5498.8	5496.3	5498.8	5486.3	5478.8	5453.7	5431.1	5403.5	5381.0
15°	5461.2	5471.2	5483.7	5488.8	5483.7	5471.2	5461.2	5436.1	5416.0	5386.0	5363.4
17.5°	5406.0	5421.1	5428.6	5436.1	5428.6	5421.1	5406.0	5386.0	5358.5	5333.4	5310.8
20°	5330.8	5340.9	5350.9	5353.4	5350.9	5340.9	5330.8	5308.3	5265.7	5260.7	5243.1
22.5°	5223.1	5230.7	5253.1	5245.6	5253.1	5230.7	5223.1	5203.0	5188.0	5160.4	5142.9
25°	5067.7	5075.2	5077.8	5080.2	5077.8	5075.2	5067.7	5050.1	5035.2	5015.0	5005.0
27.5°	4799.5	4799.5	4804.5	4807.1	4804.5	4799.5	4799.5	4787.0	4777.0	4766.9	4756.9
30°	4393.5	4393.5	4393.5	4406.1	4393.5	4393.5	4393.5	4391.0	4391.0	4393.5	4393.5
32.5°	3924.8	3919.8	3914.8	3919.8	3914.8	3919.8	3924.8	3927.3	3924.8	3932.4	3944.9
35°	3393.5	3391.0	3398.5	3388.5	3398.5	3391.0	3393.5	3393.5	3403.6	3413.6	3416.1
37.5°	2884.7	2879.7	2889.7	2879.7	2889.7	2879.7	2884.7	2882.2	2879.7	2884.7	2877.3
40°	2401.1	2406.0	2406.0	2426.1	2406.0	2406.0	2401.1	2396.0	2378.5	2368.5	2358.5
42.5°	1937.4	1952.4	1947.4	1962.4	1947.4	1952.4	1937.4	1927.3	1907.2	1889.7	1874.7
45°	1498.7	1508.8	1508.8	1513.8	1508.8	1508.8	1498.7	1488.7	1471.2	1456.1	1446.1
47.5°	1150.3	1150.3	1150.3	1152.9	1150.3	1150.3	1150.3	1132.8	1127.9	1117.8	1105.3
50°	874.7	877.2	879.8	882.2	879.8	877.2	874.7	869.6	867.2	862.1	859.6
52.5°	671.7	674.2	669.2	674.2	669.2	674.2	671.7	674.2	666.6	666.6	664.1
55°	508.8	506.3	508.8	511.3	508.8	506.3	508.8	508.8	506.3	506.3	506.3
57.5°	373.4	368.4	368.4	368.4	368.4	368.4	373.4	371.0	378.5	373.4	375.9
60°	278.2	280.7	280.7	283.2	280.7	280.7	278.2	283.2	283.2	285.8	285.8
62.5°	205.5	213.0	208.0	213.0	208.0	213.0	205.5	208.0	208.0	210.6	213.0
65°	132.9	132.9	132.9	135.3	132.9	132.9	132.9	135.3	137.8	135.3	142.9
67.5°	90.3	92.7	97.8	95.2	97.8	92.7	90.3	92.7	92.7	100.3	97.8
70°	72.7	65.2	65.2	72.7	65.2	65.2	72.7	67.7	65.2	70.1	67.7
72.5°	42.6	37.6	42.6	42.6	42.6	37.6	42.6	37.6	40.1	40.1	45.1
75°	22.6	20.0	17.5	25.1	17.5	20.0	22.6	22.6	22.6	22.6	25.1
77.5°	15.1	12.5	17.5	17.5	17.5	12.5	15.1	12.5	15.1	12.5	15.1
80°	7.5	10.0	7.5	12.5	7.5	10.0	7.5	12.5	7.5	10.0	10.0
82.5°	2.5	5.1	5.1	5.1	5.1	5.1	2.5	2.5	5.1	5.1	2.5
85°	0.0	5.1	2.5	2.5	2.5	5.1	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	0.0	0.0	2.5	0.0	0.0	2.5	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: P248962

CATALOG NUMBER: LD8B150D010 ER8B1509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5185.5	5177.9	5180.5	5165.5	5165.5	5160.4	5163.0	5150.4	5145.4	5140.4	5147.9
5°	5260.7	5248.2	5238.1	5215.6	5203.0	5188.0	5180.5	5160.4	5142.9	5127.8	5125.3
7.5°	5320.8	5293.3	5275.7	5245.6	5223.1	5205.6	5180.5	5152.9	5130.4	5110.3	5095.3
10°	5345.9	5318.3	5290.8	5253.1	5228.1	5195.5	5170.4	5135.3	5105.3	5077.8	5060.1
12.5°	5348.4	5313.3	5288.2	5245.6	5213.0	5177.9	5150.4	5110.3	5075.2	5047.6	5020.1
15°	5325.9	5293.3	5263.1	5218.1	5185.5	5152.9	5120.4	5077.8	5045.2	5012.6	4992.6
17.5°	5275.7	5245.6	5210.5	5167.9	5137.9	5107.8	5072.7	5037.6	5000.0	4964.9	4939.8
20°	5210.5	5177.9	5147.9	5105.3	5080.2	5047.6	5015.0	4977.5	4947.4	4912.3	4884.8
22.5°	5112.8	5082.7	5055.2	5030.1	4990.0	4964.9	4942.4	4899.8	4869.7	4837.1	4807.1
25°	4972.4	4942.4	4919.8	4889.7	4872.2	4844.6	4822.0	4784.5	4756.9	4726.8	4701.7
27.5°	4741.9	4724.3	4711.8	4694.2	4679.3	4666.7	4654.2	4624.1	4604.1	4576.5	4551.4
30°	4396.0	4393.5	4386.0	4378.4	4388.4	4388.4	4388.4	4383.5	4366.0	4345.8	4328.3
32.5°	3952.4	3957.4	3967.5	3975.0	3995.0	4017.6	4037.6	4047.6	4047.6	4035.1	4027.6
35°	3423.6	3431.1	3446.2	3466.2	3491.3	3518.8	3563.9	3574.0	3581.4	3581.4	3571.4
37.5°	2874.7	2872.2	2887.3	2904.8	2919.9	2939.9	2972.5	2980.0	2992.5	2987.5	2977.4
40°	2340.8	2328.3	2323.3	2328.3	2345.9	2338.3	2345.9	2340.8	2340.8	2323.3	2323.3
42.5°	1847.1	1832.1	1822.0	1814.6	1814.6	1797.0	1784.5	1772.0	1764.5	1751.9	1749.4
45°	1423.6	1406.0	1393.5	1388.4	1381.0	1358.4	1343.4	1328.3	1310.8	1305.8	1308.3
47.5°	1105.3	1087.7	1082.7	1070.2	1057.6	1045.1	1035.1	1017.6	1015.0	1005.0	1015.0
50°	852.1	847.2	839.6	834.6	827.0	817.0	807.0	797.0	792.0	792.0	794.4
52.5°	661.7	664.1	656.6	649.1	644.1	644.1	631.5	629.1	629.1	619.1	629.1
55°	506.3	503.7	506.3	501.3	501.3	493.7	493.7	486.2	486.2	478.7	483.7
57.5°	371.0	375.9	371.0	373.4	378.5	371.0	368.4	360.9	365.9	360.9	363.4
60°	288.2	288.2	288.2	285.8	285.8	283.2	283.2	280.7	280.7	275.6	280.7
62.5°	213.0	215.5	215.5	215.5	218.1	215.5	213.0	215.5	213.0	213.0	215.5
65°	140.4	142.9	142.9	140.4	145.4	140.4	142.9	145.4	147.8	145.4	147.8
67.5°	95.2	95.2	97.8	100.3	97.8	100.3	102.7	100.3	102.7	107.8	102.7
70°	70.1	72.7	72.7	70.1	67.7	70.1	67.7	75.2	75.2	75.2	80.2
72.5°	45.1	45.1	42.6	42.6	42.6	42.6	42.6	50.1	45.1	42.6	47.7
75°	25.1	27.5	27.5	20.0	22.6	27.5	20.0	22.6	30.1	25.1	30.1
77.5°	15.1	15.1	15.1	15.1	15.1	15.1	20.0	17.5	17.5	17.5	20.0
80°	12.5	10.0	10.0	7.5	10.0	10.0	10.0	15.1	12.5	12.5	15.1
82.5°	5.1	5.1	2.5	0.0	5.1	5.1	5.1	5.1	5.1	5.1	10.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	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: P248962

CATALOG NUMBER: LD8B150D010 ER8B1509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5127.8	5127.8	5125.3	5120.4	5110.3	5110.3	5107.8	5100.3	5095.3	5092.7	5092.7
5°	5102.7	5092.7	5082.7	5055.2	5055.2	5050.1	5035.2	5025.1	5020.1	5007.5	5002.6
7.5°	5080.2	5050.1	5032.6	5015.0	4992.6	4982.4	4964.9	4957.4	4939.8	4927.4	4919.8
10°	5025.1	5005.0	4982.4	4954.9	4937.4	4917.4	4897.2	4882.3	4859.7	4847.1	4837.1
12.5°	4987.5	4957.4	4937.4	4907.2	4877.2	4859.7	4832.1	4814.6	4792.0	4766.9	4751.9
15°	4952.4	4919.8	4892.3	4859.7	4827.1	4807.1	4774.5	4754.5	4721.9	4696.8	4679.3
17.5°	4899.8	4872.2	4842.1	4802.0	4772.0	4746.9	4711.8	4686.8	4656.7	4624.1	4606.5
20°	4844.6	4812.0	4782.0	4741.9	4711.8	4681.7	4646.7	4619.1	4583.9	4553.9	4533.9
22.5°	4772.0	4734.3	4709.3	4669.1	4634.1	4601.6	4569.0	4536.4	4503.8	4478.7	4456.1
25°	4666.7	4626.5	4599.0	4566.4	4533.9	4508.8	4468.7	4448.7	4416.1	4393.5	4370.9
27.5°	4516.3	4486.2	4461.2	4428.6	4401.0	4381.0	4350.9	4330.9	4303.2	4283.2	4265.7
30°	4295.8	4270.7	4248.2	4215.6	4195.5	4178.0	4150.4	4132.8	4112.8	4090.2	4085.3
32.5°	4000.1	3979.9	3957.4	3934.9	3919.8	3909.8	3887.2	3877.2	3857.2	3844.6	3832.1
35°	3553.9	3536.3	3523.9	3513.9	3508.8	3511.3	3506.3	3516.3	3521.3	3518.8	3521.3
37.5°	2970.0	2959.9	2964.9	2972.5	2997.5	3030.1	3060.2	3105.2	3135.4	3165.5	3193.0
40°	2318.3	2325.9	2345.9	2391.0	2456.1	2528.9	2596.6	2681.8	2767.0	2827.1	2882.2
42.5°	1749.4	1772.0	1822.0	1887.2	1985.0	2092.7	2198.0	2323.3	2426.1	2526.3	2596.6
45°	1315.8	1345.8	1411.0	1501.3	1609.0	1734.3	1867.2	2007.5	2130.4	2233.1	2310.8
47.5°	1025.1	1052.7	1117.8	1213.1	1345.8	1476.2	1614.0	1759.4	1887.2	1987.5	2055.2
50°	809.5	844.6	902.2	1002.5	1135.4	1273.2	1416.1	1558.9	1679.2	1764.5	1824.6
52.5°	636.6	669.2	724.3	829.6	965.0	1102.8	1235.6	1376.0	1481.2	1563.9	1604.0
55°	493.7	523.8	581.4	669.2	797.0	932.4	1065.1	1185.5	1283.2	1343.4	1381.0
57.5°	375.9	398.5	438.6	526.3	641.7	766.9	879.8	1000.0	1075.2	1117.8	1142.8
60°	285.8	303.3	345.9	413.6	518.8	626.6	721.8	812.1	872.2	907.3	932.4
62.5°	215.5	235.6	265.6	323.3	403.5	491.3	571.4	639.1	689.2	711.8	729.3
65°	147.8	162.9	185.5	230.6	298.2	360.9	423.6	473.7	506.3	531.4	541.4
67.5°	110.3	120.3	132.9	167.9	215.5	265.6	308.2	343.3	378.5	388.5	406.0
70°	82.7	90.3	102.7	127.8	155.4	190.4	225.6	245.6	270.7	288.2	293.3
72.5°	52.6	55.1	67.7	82.7	105.2	127.8	150.4	167.9	183.0	193.0	198.0
75°	30.1	45.1	45.1	60.1	75.2	85.2	100.3	112.8	120.3	127.8	127.8
77.5°	20.0	27.5	30.1	37.6	45.1	57.7	70.1	77.7	85.2	87.7	87.7
80°	17.5	20.0	20.0	27.5	32.6	42.6	50.1	52.6	57.7	60.1	65.2
82.5°	7.5	10.0	12.5	20.0	22.6	22.6	30.1	32.6	37.6	40.1	40.1
85°	2.5	5.1	5.1	7.5	12.5	15.1	17.5	20.0	22.6	22.6	25.1
87.5°	2.5	2.5	0.0	2.5	5.1	5.1	10.0	10.0	10.0	15.1	15.1
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: P248962

CATALOG NUMBER: LD8B150D010 ER8B1509727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5087.8	5090.3	5080.2	5077.8	5072.7	5075.2	5080.2
5°	4995.0	4997.5	4987.5	4977.5	4977.5	4974.9	4977.5
7.5°	4907.2	4909.8	4894.8	4889.7	4879.7	4882.3	4882.3
10°	4819.6	4819.6	4797.1	4794.5	4787.0	4784.5	4784.5
12.5°	4734.3	4726.8	4709.3	4699.3	4704.3	4689.3	4689.3
15°	4659.1	4646.7	4624.1	4616.5	4604.1	4599.0	4599.0
17.5°	4581.5	4571.5	4551.4	4536.4	4521.3	4518.8	4521.3
20°	4506.3	4496.3	4471.2	4461.2	4448.7	4448.7	4443.6
22.5°	4431.1	4421.0	4398.6	4391.0	4373.5	4373.5	4376.0
25°	4353.4	4345.8	4320.8	4315.8	4313.3	4303.2	4308.3
27.5°	4248.2	4243.1	4223.1	4215.6	4205.5	4203.1	4208.0
30°	4055.1	4047.6	4032.6	4025.1	4007.6	4010.1	4015.0
32.5°	3814.6	3804.6	3784.4	3776.9	3762.0	3756.9	3759.4
35°	3513.9	3506.3	3488.8	3488.8	3473.7	3468.7	3473.7
37.5°	3208.1	3215.5	3208.1	3215.5	3208.1	3205.5	3208.1
40°	2919.9	2947.4	2952.4	2980.0	2970.0	2985.0	2982.5
42.5°	2644.1	2689.2	2706.8	2729.3	2724.4	2734.4	2741.9
45°	2365.9	2403.5	2421.1	2436.1	2438.6	2443.7	2446.1
47.5°	2102.7	2132.8	2135.3	2152.9	2150.4	2150.4	2157.9
50°	1857.2	1877.2	1882.2	1894.7	1884.7	1879.7	1882.2
52.5°	1629.1	1649.1	1644.1	1649.1	1636.6	1631.6	1634.1
55°	1396.0	1406.0	1406.0	1406.0	1391.0	1391.0	1391.0
57.5°	1157.9	1160.5	1155.4	1157.9	1155.4	1140.3	1137.9
60°	939.9	939.9	937.3	939.9	932.4	924.8	924.8
62.5°	734.3	739.4	749.4	739.4	734.3	739.4	731.8
65°	548.9	558.9	556.3	561.4	558.9	558.9	553.9
67.5°	413.6	416.0	418.5	421.1	421.1	421.1	421.1
70°	303.3	310.8	308.2	308.2	308.2	308.2	323.3
72.5°	203.0	213.0	210.6	215.5	215.5	220.6	215.5
75°	137.8	147.8	142.9	150.4	147.8	142.9	155.4
77.5°	92.7	97.8	100.3	102.7	100.3	97.8	100.3
80°	65.2	70.1	67.7	70.1	70.1	70.1	72.7
82.5°	40.1	47.7	45.1	47.7	45.1	47.7	47.7
85°	27.5	30.1	25.1	30.1	27.5	27.5	32.6
87.5°	17.5	15.1	15.1	17.5	15.1	17.5	15.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)