

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 ER8B150927 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 ER8B150927 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: 9726.7 lumens
Efficiency: N/A
Efficacy: 61.4 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

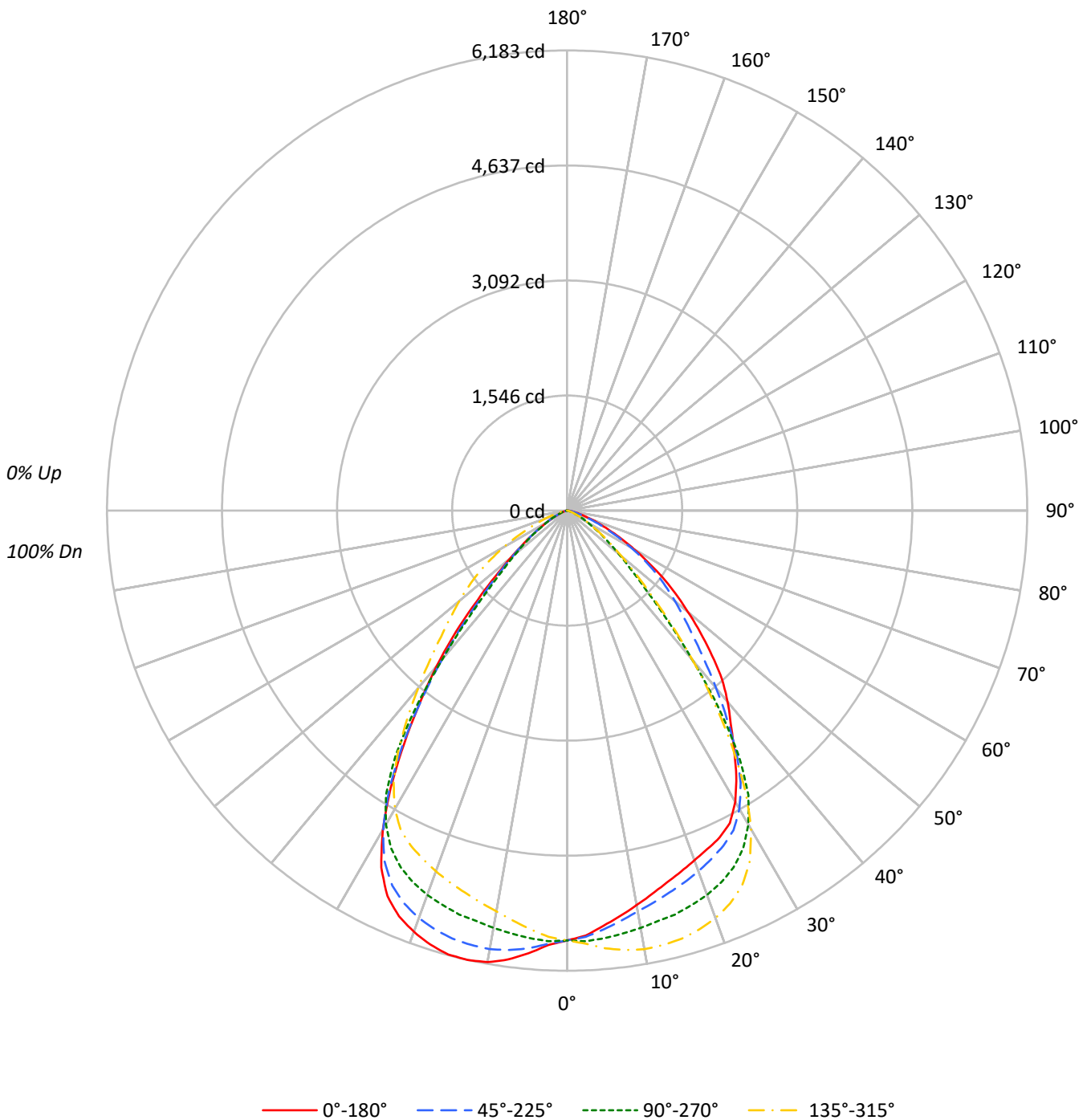
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	549.6	5.7
10°-20°	1591.6	16.4
20°-30°	2410.0	24.8
30°-40°	2415.4	24.8
40°-50°	1516.8	15.6
50°-60°	808.3	8.3
60°-70°	332.4	3.4
70°-80°	87.8	0.9
80°-90°	14.9	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°	4551.2	46.8
0°-40°	6966.7	71.6
0°-60°	9291.7	95.5
0°-90°	9726.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9726.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5774	5774	5774	5774	5774	
5°	5600	5766	5972	5766	5600	528
15°	5174	5617	6175	5617	5174	1463
25°	4847	5289	5715	5289	4847	2223
35°	3908	4018	3812	4018	3908	2448
45°	2752	1472	1703	1472	2752	2116
55°	1565	544	575	544	1565	1395
65°	623	166	152	166	623	646
75°	175	34	28	34	175	198
85°	37	0	3	0	37	40
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°	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5
2.5°	5715.2	5709.6	5706.8	5712.5	5715.2	5726.6	5723.8	5729.3	5729.3	5732.2	5737.8
5°	5599.7	5596.8	5599.7	5599.7	5610.9	5622.2	5619.4	5627.9	5633.4	5647.6	5653.2
7.5°	5492.6	5492.6	5489.7	5500.9	5506.7	5523.5	5520.6	5534.8	5543.3	5557.3	5577.1
10°	5382.6	5382.6	5385.4	5393.8	5396.7	5422.0	5422.0	5441.7	5453.0	5467.2	5492.6
12.5°	5275.5	5275.5	5292.3	5286.7	5298.0	5317.7	5326.1	5345.9	5362.8	5391.0	5416.4
15°	5173.9	5173.9	5179.6	5193.6	5202.1	5227.5	5241.5	5264.2	5283.9	5312.1	5348.8
17.5°	5086.5	5083.7	5086.5	5103.4	5120.3	5142.9	5154.2	5182.3	5202.1	5238.8	5272.7
20°	4999.0	5004.8	5004.8	5018.8	5030.1	5058.3	5069.6	5100.6	5123.1	5156.9	5196.5
22.5°	4923.0	4920.2	4920.2	4939.9	4948.4	4973.6	4985.0	5013.1	5038.5	5066.8	5103.4
25°	4846.8	4841.1	4852.5	4855.3	4860.9	4889.0	4897.6	4917.3	4942.7	4968.1	5004.8
27.5°	4734.0	4728.5	4731.2	4742.6	4751.0	4773.5	4779.2	4798.9	4818.6	4841.1	4872.3
30°	4516.9	4511.4	4508.6	4528.2	4536.7	4553.6	4562.0	4596.0	4601.5	4626.9	4649.4
32.5°	4229.3	4226.5	4232.2	4249.0	4257.4	4280.2	4291.4	4311.1	4325.2	4339.3	4361.8
35°	3907.9	3902.3	3907.9	3924.9	3924.9	3944.6	3953.1	3961.5	3958.6	3961.5	3955.8
37.5°	3609.1	3606.2	3609.1	3617.4	3609.1	3617.4	3609.1	3592.1	3561.2	3527.3	3493.4
40°	3355.3	3358.1	3341.2	3352.5	3321.4	3315.8	3284.9	3242.5	3180.5	3112.9	3017.0
42.5°	3084.6	3076.2	3065.0	3070.5	3045.2	3025.4	2974.6	2921.2	2842.1	2729.4	2613.7
45°	2751.9	2749.2	2743.4	2740.6	2723.7	2703.9	2661.6	2599.6	2512.2	2396.7	2258.4
47.5°	2427.6	2419.2	2419.2	2422.0	2402.2	2399.4	2365.5	2312.1	2235.9	2123.1	1979.3
50°	2117.5	2114.7	2120.3	2131.5	2117.5	2111.8	2089.4	2052.7	1985.1	1889.1	1753.8
52.5°	1838.4	1835.6	1841.2	1855.2	1849.6	1855.2	1832.7	1804.5	1759.4	1666.4	1548.0
55°	1564.9	1564.9	1564.9	1581.8	1581.8	1581.8	1570.5	1553.6	1511.3	1443.6	1333.7
57.5°	1280.1	1282.8	1299.8	1302.6	1299.8	1305.6	1302.6	1285.6	1257.5	1209.6	1125.0
60°	1040.4	1040.4	1049.0	1057.4	1054.5	1057.4	1057.4	1049.0	1020.7	981.2	913.6
62.5°	823.3	831.8	826.1	831.8	843.1	831.8	826.1	820.5	800.8	775.4	719.0
65°	623.1	628.8	628.8	631.6	625.8	628.8	617.5	609.1	597.8	569.6	532.9
67.5°	473.7	473.7	473.7	473.7	470.8	468.0	465.3	456.8	437.1	425.8	386.2
70°	363.7	346.7	346.7	346.7	346.7	349.7	341.2	330.0	324.2	304.5	276.3
72.5°	242.4	248.2	242.4	242.4	236.9	239.6	228.4	222.8	217.1	205.9	188.9
75°	174.8	160.8	166.3	169.2	160.8	166.3	155.0	143.8	143.8	135.3	126.9
77.5°	112.8	110.0	112.8	115.5	112.8	110.0	104.3	98.7	98.7	95.9	87.4
80°	81.8	78.9	78.9	78.9	76.2	78.9	73.4	73.4	67.6	64.9	59.2
82.5°	53.7	53.7	50.7	53.7	50.7	53.7	45.1	45.1	45.1	42.3	36.7
85°	36.7	30.9	30.9	33.9	28.2	33.9	30.9	28.2	25.4	25.4	22.5
87.5°	17.0	19.7	17.0	19.7	17.0	17.0	19.7	17.0	17.0	11.2	11.2
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°	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5
2.5°	5746.3	5749.1	5749.1	5760.4	5766.0	5768.8	5768.8	5791.4	5783.0	5788.6	5794.2
5°	5664.6	5681.4	5687.1	5687.1	5718.0	5729.3	5740.5	5766.0	5768.8	5785.8	5805.4
7.5°	5585.5	5605.2	5616.7	5641.9	5661.7	5681.4	5715.2	5732.2	5749.1	5771.7	5797.0
10°	5509.3	5532.1	5554.6	5574.3	5605.2	5630.6	5653.2	5692.6	5712.5	5743.5	5777.2
12.5°	5436.1	5467.2	5486.8	5520.6	5554.6	5577.1	5610.9	5647.6	5678.6	5709.6	5749.1
15°	5371.3	5408.0	5430.5	5467.2	5503.8	5534.8	5571.4	5616.7	5639.2	5675.8	5712.5
17.5°	5300.8	5340.3	5368.5	5402.2	5447.4	5481.2	5512.3	5557.3	5585.5	5625.0	5667.3
20°	5227.5	5266.9	5300.8	5334.6	5379.8	5413.5	5450.2	5495.4	5526.3	5565.8	5599.7
22.5°	5140.1	5176.8	5213.4	5252.7	5298.0	5326.1	5368.5	5408.0	5441.7	5478.4	5512.3
25°	5027.3	5072.4	5100.6	5137.2	5173.9	5204.8	5250.0	5289.4	5317.7	5351.5	5382.6
27.5°	4894.8	4928.6	4951.1	4982.2	5018.8	5047.0	5080.8	5120.3	5148.6	5179.6	5202.1
30°	4669.2	4700.2	4719.9	4742.6	4779.2	4804.5	4832.8	4869.3	4889.0	4911.8	4931.4
32.5°	4373.1	4398.5	4409.8	4426.8	4452.1	4477.4	4500.1	4531.0	4539.5	4553.6	4553.6
35°	3944.6	3950.2	3947.4	3953.1	3964.4	3978.3	3998.1	4017.8	4029.1	4029.1	4020.8
37.5°	3442.7	3408.9	3372.2	3344.1	3335.5	3329.9	3341.2	3349.6	3360.9	3366.6	3352.5
40°	2921.2	2845.0	2763.1	2689.9	2639.1	2616.6	2608.1	2613.7	2613.7	2633.4	2633.4
42.5°	2472.8	2354.3	2233.1	2123.1	2049.8	1993.5	1968.1	1968.1	1970.9	1985.1	1993.5
45°	2100.6	1951.1	1810.1	1689.0	1587.4	1514.0	1480.3	1471.8	1469.0	1474.6	1494.3
47.5°	1815.8	1660.7	1514.0	1364.7	1257.5	1184.3	1153.2	1141.9	1130.6	1141.9	1144.8
50°	1593.1	1432.4	1277.3	1127.8	1015.0	950.2	910.7	893.7	891.0	891.0	896.6
52.5°	1390.0	1240.6	1085.6	933.3	814.8	752.8	716.2	707.7	696.5	707.7	707.7
55°	1198.2	1049.0	896.6	752.8	654.1	589.3	555.4	544.2	538.5	547.0	547.0
57.5°	989.8	862.8	721.9	592.1	493.4	448.3	422.9	408.8	406.0	411.6	406.0
60°	812.0	704.9	583.6	465.3	389.1	341.2	321.5	315.8	310.0	315.8	315.8
62.5°	642.8	552.7	453.9	363.7	298.8	265.0	242.4	242.4	239.6	239.6	242.4
65°	476.6	406.0	335.5	259.4	208.7	183.3	166.3	166.3	163.6	166.3	163.6
67.5°	346.7	298.8	242.4	188.9	149.5	135.3	124.1	115.5	121.3	115.5	112.8
70°	253.8	214.2	174.8	143.8	115.5	101.6	93.0	90.2	84.6	84.6	84.6
72.5°	169.2	143.8	118.4	93.0	76.2	62.0	59.2	53.7	47.9	50.7	56.4
75°	112.8	95.9	84.6	67.6	50.7	50.7	33.9	33.9	28.2	33.9	25.4
77.5°	78.9	64.9	50.7	42.3	33.9	30.9	22.5	22.5	19.7	19.7	19.7
80°	56.4	47.9	36.7	30.9	22.5	22.5	19.7	17.0	14.1	14.1	17.0
82.5°	33.9	25.4	25.4	22.5	14.1	11.2	8.4	11.2	5.7	5.7	5.7
85°	19.7	17.0	14.1	8.4	5.7	5.7	2.8	0.0	2.8	2.8	0.0
87.5°	11.2	5.7	5.7	2.8	0.0	2.8	2.8	0.0	0.0	0.0	5.7
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°	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5
2.5°	5808.4	5805.4	5811.2	5811.2	5828.1	5825.1	5833.7	5833.7	5828.1	5830.9	5842.1
5°	5828.1	5836.5	5853.4	5867.6	5892.9	5904.2	5918.3	5932.5	5935.2	5943.7	5952.2
7.5°	5828.1	5856.3	5876.0	5901.3	5935.2	5955.0	5985.9	6011.3	6022.6	6036.6	6053.6
10°	5816.7	5844.9	5881.6	5909.7	5952.2	5983.1	6014.1	6053.6	6070.5	6093.0	6115.6
12.5°	5794.2	5825.1	5864.6	5901.3	5949.2	5977.5	6017.0	6053.6	6078.9	6110.0	6135.4
15°	5760.4	5797.0	5833.7	5870.4	5921.0	5955.0	5991.6	6033.8	6059.2	6093.0	6115.6
17.5°	5706.8	5746.3	5780.1	5813.9	5861.8	5901.3	5935.2	5974.7	6000.1	6028.3	6059.2
20°	5641.9	5678.6	5715.2	5743.5	5791.4	5825.1	5861.8	5898.5	5918.3	5923.9	5971.8
22.5°	5560.2	5585.5	5613.8	5658.9	5687.1	5718.0	5751.9	5785.8	5805.4	5836.5	5853.4
25°	5424.8	5450.2	5481.2	5500.9	5534.8	5560.2	5594.0	5630.6	5641.9	5664.6	5681.4
27.5°	5236.0	5250.0	5264.2	5281.0	5300.8	5314.8	5334.6	5351.5	5362.8	5374.1	5385.4
30°	4937.0	4937.0	4937.0	4925.7	4934.2	4942.7	4945.5	4942.7	4942.7	4939.9	4939.9
32.5°	4542.3	4519.8	4494.4	4471.9	4463.4	4452.1	4446.4	4438.0	4424.0	4415.4	4418.2
35°	4009.4	3958.6	3927.7	3899.5	3877.0	3860.0	3851.6	3843.1	3840.3	3829.0	3817.7
37.5°	3344.1	3307.4	3284.9	3267.9	3248.2	3231.2	3234.0	3237.0	3245.3	3239.7	3242.5
40°	2639.1	2630.6	2639.1	2619.3	2613.7	2619.3	2633.4	2653.3	2664.6	2675.8	2695.5
42.5°	2007.6	2021.6	2041.4	2041.4	2049.8	2061.1	2078.0	2109.0	2125.9	2145.6	2168.2
45°	1511.3	1528.2	1553.6	1562.0	1567.7	1581.8	1601.6	1626.9	1638.1	1655.1	1674.8
47.5°	1164.5	1175.7	1189.8	1204.0	1218.0	1223.7	1243.5	1243.5	1257.5	1268.9	1274.4
50°	907.9	919.1	930.4	938.9	944.6	953.1	958.6	967.0	969.9	975.6	978.3
52.5°	710.4	724.6	724.6	730.2	738.7	747.1	744.4	747.1	749.9	749.9	758.5
55°	555.4	555.4	564.0	564.0	569.6	566.7	569.6	569.6	569.6	569.6	572.4
57.5°	414.4	417.4	425.8	420.1	417.4	422.9	417.4	422.9	420.1	425.8	417.4
60°	318.6	318.6	321.5	321.5	324.2	324.2	324.2	321.5	321.5	318.6	318.6
62.5°	239.6	242.4	245.4	242.4	242.4	242.4	239.6	239.6	236.9	234.0	234.0
65°	160.8	158.0	163.6	158.0	160.8	160.8	158.0	160.8	152.2	155.0	152.2
67.5°	115.5	112.8	110.0	112.8	110.0	107.1	107.1	110.0	112.8	104.3	104.3
70°	76.2	78.9	76.2	78.9	81.8	81.8	78.9	76.2	78.9	73.4	76.2
72.5°	47.9	47.9	47.9	47.9	47.9	50.7	50.7	50.7	45.1	45.1	42.3
75°	22.5	30.9	25.4	22.5	30.9	30.9	28.2	28.2	25.4	25.4	25.4
77.5°	22.5	17.0	17.0	17.0	17.0	17.0	17.0	17.0	14.1	17.0	14.1
80°	11.2	11.2	11.2	8.4	11.2	11.2	14.1	11.2	11.2	8.4	14.1
82.5°	5.7	5.7	5.7	0.0	2.8	5.7	5.7	2.8	5.7	5.7	2.8
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 ER8B150927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5
2.5°	5839.3	5836.5	5839.3	5842.1	5839.3	5836.5	5839.3	5842.1	5830.9	5828.1	5833.7
5°	5963.4	5963.4	5969.0	5971.8	5969.0	5963.4	5963.4	5952.2	5943.7	5935.2	5932.5
7.5°	6070.5	6076.2	6081.8	6084.6	6081.8	6076.2	6070.5	6053.6	6036.6	6022.6	6011.3
10°	6135.4	6143.8	6155.1	6160.7	6155.1	6143.8	6135.4	6115.6	6093.0	6070.5	6053.6
12.5°	6163.7	6172.1	6186.2	6183.3	6186.2	6172.1	6163.7	6135.4	6110.0	6078.9	6053.6
15°	6143.8	6155.1	6169.2	6174.9	6169.2	6155.1	6143.8	6115.6	6093.0	6059.2	6033.8
17.5°	6081.8	6098.7	6107.2	6115.6	6107.2	6098.7	6081.8	6059.2	6028.3	6000.1	5974.7
20°	5997.2	6008.5	6019.8	6022.6	6019.8	6008.5	5997.2	5971.8	5923.9	5918.3	5898.5
22.5°	5876.0	5884.5	5909.7	5901.3	5909.7	5884.5	5876.0	5853.4	5836.5	5805.4	5785.8
25°	5701.2	5709.6	5712.5	5715.2	5712.5	5709.6	5701.2	5681.4	5664.6	5641.9	5630.6
27.5°	5399.4	5399.4	5405.1	5408.0	5405.1	5399.4	5399.4	5385.4	5374.1	5362.8	5351.5
30°	4942.7	4942.7	4942.7	4956.9	4942.7	4942.7	4942.7	4939.9	4939.9	4942.7	4942.7
32.5°	4415.4	4409.8	4404.2	4409.8	4404.2	4409.8	4415.4	4418.2	4415.4	4424.0	4438.0
35°	3817.7	3814.9	3823.3	3812.1	3823.3	3814.9	3817.7	3817.7	3829.0	3840.3	3843.1
37.5°	3245.3	3239.7	3250.9	3239.7	3250.9	3239.7	3245.3	3242.5	3239.7	3245.3	3237.0
40°	2701.2	2706.8	2706.8	2729.4	2706.8	2706.8	2701.2	2695.5	2675.8	2664.6	2653.3
42.5°	2179.6	2196.5	2190.8	2207.7	2190.8	2196.5	2179.6	2168.2	2145.6	2125.9	2109.0
45°	1686.0	1697.4	1697.4	1703.0	1697.4	1697.4	1686.0	1674.8	1655.1	1638.1	1626.9
47.5°	1294.1	1294.1	1294.1	1297.0	1294.1	1294.1	1294.1	1274.4	1268.9	1257.5	1243.5
50°	984.0	986.8	989.8	992.5	989.8	986.8	984.0	978.3	975.6	969.9	967.0
52.5°	755.7	758.5	752.8	758.5	752.8	758.5	755.7	758.5	749.9	749.9	747.1
55°	572.4	569.6	572.4	575.2	572.4	569.6	572.4	572.4	569.6	569.6	569.6
57.5°	420.1	414.4	414.4	414.4	414.4	414.4	420.1	417.4	425.8	420.1	422.9
60°	313.0	315.8	315.8	318.6	315.8	315.8	313.0	318.6	318.6	321.5	321.5
62.5°	231.2	239.6	234.0	239.6	234.0	239.6	231.2	234.0	234.0	236.9	239.6
65°	149.5	149.5	149.5	152.2	149.5	149.5	149.5	152.2	155.0	152.2	160.8
67.5°	101.6	104.3	110.0	107.1	110.0	104.3	101.6	104.3	104.3	112.8	110.0
70°	81.8	73.4	73.4	81.8	73.4	73.4	81.8	76.2	73.4	78.9	76.2
72.5°	47.9	42.3	47.9	47.9	47.9	42.3	47.9	42.3	45.1	45.1	50.7
75°	25.4	22.5	19.7	28.2	19.7	22.5	25.4	25.4	25.4	25.4	28.2
77.5°	17.0	14.1	19.7	19.7	19.7	14.1	17.0	14.1	17.0	14.1	17.0
80°	8.4	11.2	8.4	14.1	8.4	11.2	8.4	14.1	8.4	11.2	11.2
82.5°	2.8	5.7	5.7	5.7	5.7	5.7	2.8	2.8	5.7	5.7	2.8
85°	0.0	5.7	2.8	2.8	2.8	5.7	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.0	0.0	2.8	0.0	0.0	2.8	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 ER8B150927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5
2.5°	5833.7	5825.1	5828.1	5811.2	5811.2	5805.4	5808.4	5794.2	5788.6	5783.0	5791.4
5°	5918.3	5904.2	5892.9	5867.6	5853.4	5836.5	5828.1	5805.4	5785.8	5768.8	5766.0
7.5°	5985.9	5955.0	5935.2	5901.3	5876.0	5856.3	5828.1	5797.0	5771.7	5749.1	5732.2
10°	6014.1	5983.1	5952.2	5909.7	5881.6	5844.9	5816.7	5777.2	5743.5	5712.5	5692.6
12.5°	6017.0	5977.5	5949.2	5901.3	5864.6	5825.1	5794.2	5749.1	5709.6	5678.6	5647.6
15°	5991.6	5955.0	5921.0	5870.4	5833.7	5797.0	5760.4	5712.5	5675.8	5639.2	5616.7
17.5°	5935.2	5901.3	5861.8	5813.9	5780.1	5746.3	5706.8	5667.3	5625.0	5585.5	5557.3
20°	5861.8	5825.1	5791.4	5743.5	5715.2	5678.6	5641.9	5599.7	5565.8	5526.3	5495.4
22.5°	5751.9	5718.0	5687.1	5658.9	5613.8	5585.5	5560.2	5512.3	5478.4	5441.7	5408.0
25°	5594.0	5560.2	5534.8	5500.9	5481.2	5450.2	5424.8	5382.6	5351.5	5317.7	5289.4
27.5°	5334.6	5314.8	5300.8	5281.0	5264.2	5250.0	5236.0	5202.1	5179.6	5148.6	5120.3
30°	4945.5	4942.7	4934.2	4925.7	4937.0	4937.0	4937.0	4931.4	4911.8	4889.0	4869.3
32.5°	4446.4	4452.1	4463.4	4471.9	4494.4	4519.8	4542.3	4553.6	4553.6	4539.5	4531.0
35°	3851.6	3860.0	3877.0	3899.5	3927.7	3958.6	4009.4	4020.8	4029.1	4029.1	4017.8
37.5°	3234.0	3231.2	3248.2	3267.9	3284.9	3307.4	3344.1	3352.5	3366.6	3360.9	3349.6
40°	2633.4	2619.3	2613.7	2619.3	2639.1	2630.6	2639.1	2633.4	2633.4	2613.7	2613.7
42.5°	2078.0	2061.1	2049.8	2041.4	2041.4	2021.6	2007.6	1993.5	1985.1	1970.9	1968.1
45°	1601.6	1581.8	1567.7	1562.0	1553.6	1528.2	1511.3	1494.3	1474.6	1469.0	1471.8
47.5°	1243.5	1223.7	1218.0	1204.0	1189.8	1175.7	1164.5	1144.8	1141.9	1130.6	1141.9
50°	958.6	953.1	944.6	938.9	930.4	919.1	907.9	896.6	891.0	891.0	893.7
52.5°	744.4	747.1	738.7	730.2	724.6	724.6	710.4	707.7	707.7	696.5	707.7
55°	569.6	566.7	569.6	564.0	564.0	555.4	555.4	547.0	547.0	538.5	544.2
57.5°	417.4	422.9	417.4	420.1	425.8	417.4	414.4	406.0	411.6	406.0	408.8
60°	324.2	324.2	324.2	321.5	321.5	318.6	318.6	315.8	315.8	310.0	315.8
62.5°	239.6	242.4	242.4	242.4	245.4	242.4	239.6	242.4	239.6	239.6	242.4
65°	158.0	160.8	160.8	158.0	163.6	158.0	160.8	163.6	166.3	163.6	166.3
67.5°	107.1	107.1	110.0	112.8	110.0	112.8	115.5	112.8	115.5	121.3	115.5
70°	78.9	81.8	81.8	78.9	76.2	78.9	76.2	84.6	84.6	84.6	90.2
72.5°	50.7	50.7	47.9	47.9	47.9	47.9	47.9	56.4	50.7	47.9	53.7
75°	28.2	30.9	30.9	22.5	25.4	30.9	22.5	25.4	33.9	28.2	33.9
77.5°	17.0	17.0	17.0	17.0	17.0	17.0	22.5	19.7	19.7	19.7	22.5
80°	14.1	11.2	11.2	8.4	11.2	11.2	11.2	17.0	14.1	14.1	17.0
82.5°	5.7	5.7	2.8	0.0	5.7	5.7	5.7	5.7	5.7	5.7	11.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	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 ER8B150927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5
2.5°	5768.8	5768.8	5766.0	5760.4	5749.1	5749.1	5746.3	5737.8	5732.2	5729.3	5729.3
5°	5740.5	5729.3	5718.0	5687.1	5687.1	5681.4	5664.6	5653.2	5647.6	5633.4	5627.9
7.5°	5715.2	5681.4	5661.7	5641.9	5616.7	5605.2	5585.5	5577.1	5557.3	5543.3	5534.8
10°	5653.2	5630.6	5605.2	5574.3	5554.6	5532.1	5509.3	5492.6	5467.2	5453.0	5441.7
12.5°	5610.9	5577.1	5554.6	5520.6	5486.8	5467.2	5436.1	5416.4	5391.0	5362.8	5345.9
15°	5571.4	5534.8	5503.8	5467.2	5430.5	5408.0	5371.3	5348.8	5312.1	5283.9	5264.2
17.5°	5512.3	5481.2	5447.4	5402.2	5368.5	5340.3	5300.8	5272.7	5238.8	5202.1	5182.3
20°	5450.2	5413.5	5379.8	5334.6	5300.8	5266.9	5227.5	5196.5	5156.9	5123.1	5100.6
22.5°	5368.5	5326.1	5298.0	5252.7	5213.4	5176.8	5140.1	5103.4	5066.8	5038.5	5013.1
25°	5250.0	5204.8	5173.9	5137.2	5100.6	5072.4	5027.3	5004.8	4968.1	4942.7	4917.3
27.5°	5080.8	5047.0	5018.8	4982.2	4951.1	4928.6	4894.8	4872.3	4841.1	4818.6	4798.9
30°	4832.8	4804.5	4779.2	4742.6	4719.9	4700.2	4669.2	4649.4	4626.9	4601.5	4596.0
32.5°	4500.1	4477.4	4452.1	4426.8	4409.8	4398.5	4373.1	4361.8	4339.3	4325.2	4311.1
35°	3998.1	3978.3	3964.4	3953.1	3947.4	3950.2	3944.6	3955.8	3961.5	3958.6	3961.5
37.5°	3341.2	3329.9	3335.5	3344.1	3372.2	3408.9	3442.7	3493.4	3527.3	3561.2	3592.1
40°	2608.1	2616.6	2639.1	2689.9	2763.1	2845.0	2921.2	3017.0	3112.9	3180.5	3242.5
42.5°	1968.1	1993.5	2049.8	2123.1	2233.1	2354.3	2472.8	2613.7	2729.4	2842.1	2921.2
45°	1480.3	1514.0	1587.4	1689.0	1810.1	1951.1	2100.6	2258.4	2396.7	2512.2	2599.6
47.5°	1153.2	1184.3	1257.5	1364.7	1514.0	1660.7	1815.8	1979.3	2123.1	2235.9	2312.1
50°	910.7	950.2	1015.0	1127.8	1277.3	1432.4	1593.1	1753.8	1889.1	1985.1	2052.7
52.5°	716.2	752.8	814.8	933.3	1085.6	1240.6	1390.0	1548.0	1666.4	1759.4	1804.5
55°	555.4	589.3	654.1	752.8	896.6	1049.0	1198.2	1333.7	1443.6	1511.3	1553.6
57.5°	422.9	448.3	493.4	592.1	721.9	862.8	989.8	1125.0	1209.6	1257.5	1285.6
60°	321.5	341.2	389.1	465.3	583.6	704.9	812.0	913.6	981.2	1020.7	1049.0
62.5°	242.4	265.0	298.8	363.7	453.9	552.7	642.8	719.0	775.4	800.8	820.5
65°	166.3	183.3	208.7	259.4	335.5	406.0	476.6	532.9	569.6	597.8	609.1
67.5°	124.1	135.3	149.5	188.9	242.4	298.8	346.7	386.2	425.8	437.1	456.8
70°	93.0	101.6	115.5	143.8	174.8	214.2	253.8	276.3	304.5	324.2	330.0
72.5°	59.2	62.0	76.2	93.0	118.4	143.8	169.2	188.9	205.9	217.1	222.8
75°	33.9	50.7	50.7	67.6	84.6	95.9	112.8	126.9	135.3	143.8	143.8
77.5°	22.5	30.9	33.9	42.3	50.7	64.9	78.9	87.4	95.9	98.7	98.7
80°	19.7	22.5	22.5	30.9	36.7	47.9	56.4	59.2	64.9	67.6	73.4
82.5°	8.4	11.2	14.1	22.5	25.4	25.4	33.9	36.7	42.3	45.1	45.1
85°	2.8	5.7	5.7	8.4	14.1	17.0	19.7	22.5	25.4	25.4	28.2
87.5°	2.8	2.8	0.0	2.8	5.7	5.7	11.2	11.2	11.2	17.0	17.0
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 ER8B150927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5	5774.5
2.5°	5723.8	5726.6	5715.2	5712.5	5706.8	5709.6	5715.2
5°	5619.4	5622.2	5610.9	5599.7	5599.7	5596.8	5599.7
7.5°	5520.6	5523.5	5506.7	5500.9	5489.7	5492.6	5492.6
10°	5422.0	5422.0	5396.7	5393.8	5385.4	5382.6	5382.6
12.5°	5326.1	5317.7	5298.0	5286.7	5292.3	5275.5	5275.5
15°	5241.5	5227.5	5202.1	5193.6	5179.6	5173.9	5173.9
17.5°	5154.2	5142.9	5120.3	5103.4	5086.5	5083.7	5086.5
20°	5069.6	5058.3	5030.1	5018.8	5004.8	5004.8	4999.0
22.5°	4985.0	4973.6	4948.4	4939.9	4920.2	4920.2	4923.0
25°	4897.6	4889.0	4860.9	4855.3	4852.5	4841.1	4846.8
27.5°	4779.2	4773.5	4751.0	4742.6	4731.2	4728.5	4734.0
30°	4562.0	4553.6	4536.7	4528.2	4508.6	4511.4	4516.9
32.5°	4291.4	4280.2	4257.4	4249.0	4232.2	4226.5	4229.3
35°	3953.1	3944.6	3924.9	3924.9	3907.9	3902.3	3907.9
37.5°	3609.1	3617.4	3609.1	3617.4	3609.1	3606.2	3609.1
40°	3284.9	3315.8	3321.4	3352.5	3341.2	3358.1	3355.3
42.5°	2974.6	3025.4	3045.2	3070.5	3065.0	3076.2	3084.6
45°	2661.6	2703.9	2723.7	2740.6	2743.4	2749.2	2751.9
47.5°	2365.5	2399.4	2402.2	2422.0	2419.2	2419.2	2427.6
50°	2089.4	2111.8	2117.5	2131.5	2120.3	2114.7	2117.5
52.5°	1832.7	1855.2	1849.6	1855.2	1841.2	1835.6	1838.4
55°	1570.5	1581.8	1581.8	1581.8	1564.9	1564.9	1564.9
57.5°	1302.6	1305.6	1299.8	1302.6	1299.8	1282.8	1280.1
60°	1057.4	1057.4	1054.5	1057.4	1049.0	1040.4	1040.4
62.5°	826.1	831.8	843.1	831.8	826.1	831.8	823.3
65°	617.5	628.8	625.8	631.6	628.8	628.8	623.1
67.5°	465.3	468.0	470.8	473.7	473.7	473.7	473.7
70°	341.2	349.7	346.7	346.7	346.7	346.7	363.7
72.5°	228.4	239.6	236.9	242.4	242.4	248.2	242.4
75°	155.0	166.3	160.8	169.2	166.3	160.8	174.8
77.5°	104.3	110.0	112.8	115.5	112.8	110.0	112.8
80°	73.4	78.9	76.2	78.9	78.9	78.9	81.8
82.5°	45.1	53.7	50.7	53.7	50.7	53.7	53.7
85°	30.9	33.9	28.2	33.9	30.9	30.9	36.7
87.5°	19.7	17.0	17.0	19.7	17.0	19.7	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)