

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: P248853

Luminaire Tested: **LD8B120D010 ER8B120927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120927 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: 8939.3 lumens
Efficiency: N/A
Efficacy: 75.6 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

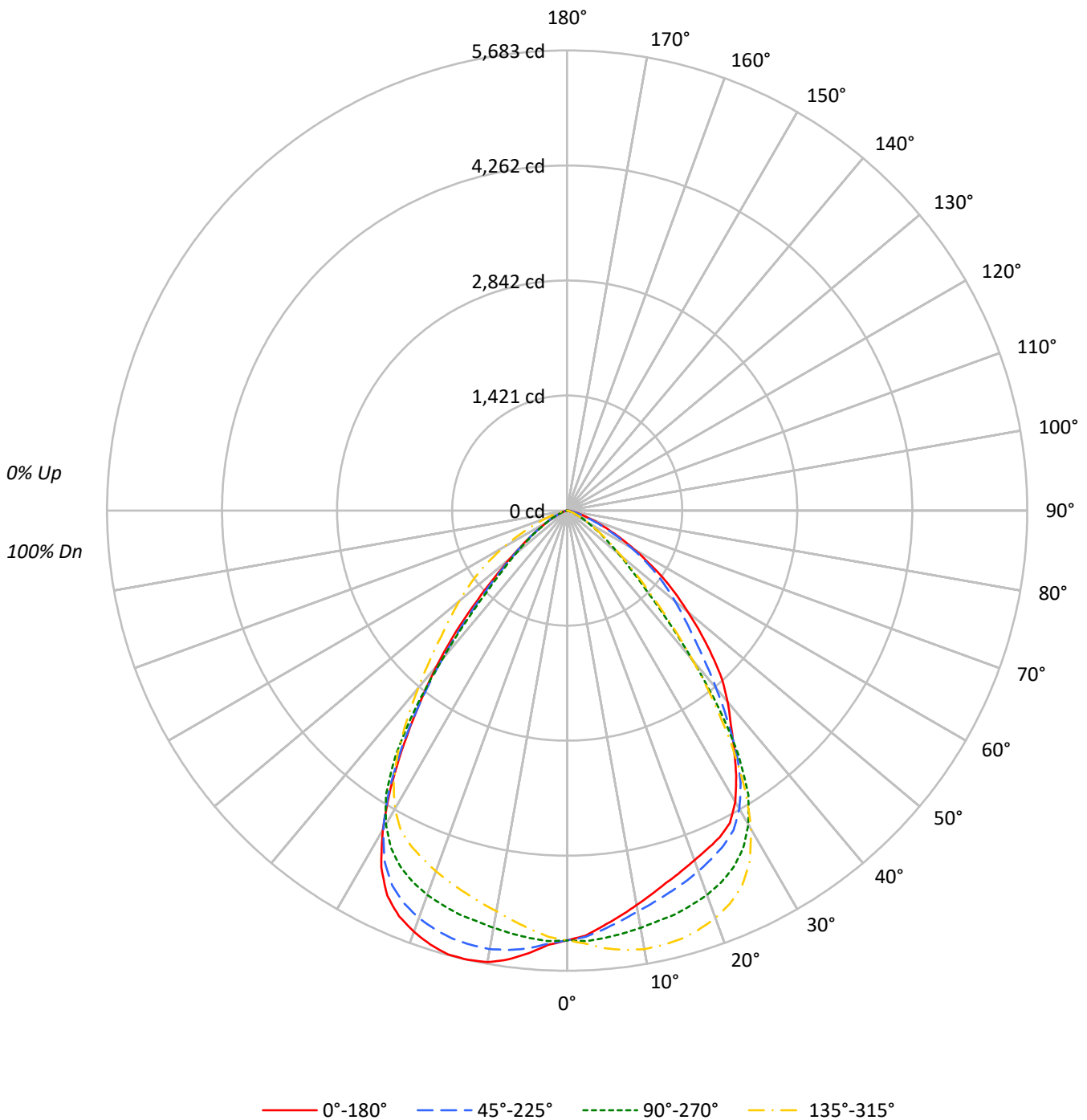
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	505.1	5.7
10°-20°	1462.7	16.4
20°-30°	2214.9	24.8
30°-40°	2219.9	24.8
40°-50°	1394.0	15.6
50°-60°	742.8	8.3
60°-70°	305.5	3.4
70°-80°	80.7	0.9
80°-90°	13.7	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4182.8	46.8
0°-40°	6402.6	71.6
0°-60°	8539.4	95.5
0°-90°	8939.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8939.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5307	5307	5307	5307	5307	
5°	5146	5299	5488	5299	5146	485
15°	4755	5162	5675	5162	4755	1345
25°	4454	4861	5252	4861	4454	2043
35°	3592	3693	3504	3693	3592	2250
45°	2529	1353	1565	1353	2529	1945
55°	1438	500	529	500	1438	1282
65°	573	153	140	153	573	594
75°	161	31	26	31	161	182
85°	34	0	3	0	34	37
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°	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0
2.5°	5252.5	5247.3	5244.8	5250.0	5252.5	5262.9	5260.4	5265.4	5265.4	5268.2	5273.2
5°	5146.3	5143.6	5146.3	5146.3	5156.7	5167.0	5164.4	5172.2	5177.4	5190.4	5195.5
7.5°	5047.9	5047.9	5045.2	5055.5	5060.8	5076.3	5073.6	5086.7	5094.4	5107.4	5125.5
10°	4946.7	4946.7	4949.3	4957.1	4959.8	4983.1	4983.1	5001.2	5011.5	5024.5	5047.9
12.5°	4848.3	4848.3	4863.9	4858.7	4869.0	4887.1	4894.9	4913.1	4928.6	4954.5	4977.9
15°	4755.0	4755.0	4760.2	4773.2	4780.9	4804.3	4817.1	4838.0	4856.1	4882.0	4915.7
17.5°	4674.7	4672.1	4674.7	4690.2	4705.8	4726.5	4736.8	4762.8	4780.9	4814.7	4845.7
20°	4594.4	4599.6	4599.6	4612.5	4622.8	4648.7	4659.1	4687.7	4708.3	4739.4	4775.7
22.5°	4524.4	4521.8	4521.8	4539.9	4547.7	4571.0	4581.3	4607.2	4630.6	4656.5	4690.2
25°	4454.4	4449.2	4459.6	4462.2	4467.4	4493.2	4501.0	4519.1	4542.5	4565.9	4599.6
27.5°	4350.7	4345.7	4348.2	4358.6	4366.3	4387.0	4392.2	4410.3	4428.4	4449.2	4477.7
30°	4151.1	4146.1	4143.5	4161.6	4169.5	4184.9	4192.7	4223.8	4229.0	4252.3	4273.0
32.5°	3886.9	3884.3	3889.6	3905.0	3912.8	3933.6	3943.9	3962.0	3975.0	3988.0	4008.7
35°	3591.6	3586.3	3591.6	3607.1	3607.1	3625.2	3633.1	3640.7	3638.1	3640.7	3635.6
37.5°	3317.0	3314.2	3317.0	3324.6	3317.0	3324.6	3317.0	3301.3	3272.8	3241.7	3210.5
40°	3083.6	3086.2	3070.7	3081.0	3052.5	3047.4	3018.9	2980.0	2923.0	2860.9	2772.7
42.5°	2834.9	2827.1	2816.8	2821.8	2798.7	2780.4	2733.8	2684.6	2612.0	2508.4	2402.1
45°	2529.1	2526.5	2521.4	2518.8	2503.2	2485.0	2446.1	2389.2	2308.8	2202.6	2075.6
47.5°	2231.1	2223.3	2223.3	2225.9	2207.7	2205.2	2174.1	2124.9	2054.9	1951.2	1819.1
50°	1946.0	1943.4	1948.7	1959.0	1946.0	1940.8	1920.2	1886.5	1824.3	1736.2	1611.8
52.5°	1689.5	1686.9	1692.1	1705.0	1699.9	1705.0	1684.4	1658.5	1617.0	1531.5	1422.7
55°	1438.2	1438.2	1438.2	1453.6	1453.6	1453.6	1443.3	1427.9	1388.9	1326.7	1225.7
57.5°	1176.4	1179.0	1194.6	1197.1	1194.6	1199.8	1197.1	1181.6	1155.7	1111.7	1034.0
60°	956.2	956.2	964.0	971.8	969.1	971.8	971.8	964.0	938.0	901.8	839.6
62.5°	756.7	764.4	759.2	764.4	774.8	764.4	759.2	754.1	736.0	712.6	660.7
65°	572.6	577.9	577.9	580.4	575.2	577.9	567.6	559.8	549.4	523.5	489.8
67.5°	435.4	435.4	435.4	435.4	432.7	430.2	427.6	419.8	401.6	391.4	354.9
70°	334.2	318.7	318.7	318.7	318.7	321.4	313.5	303.2	298.0	279.9	253.9
72.5°	222.9	228.0	222.9	222.9	217.7	220.3	209.9	204.6	199.6	189.2	173.6
75°	160.6	147.7	152.9	155.5	147.7	152.9	142.5	132.2	132.2	124.3	116.6
77.5°	103.7	101.1	103.7	106.2	103.7	101.1	95.9	90.7	90.7	88.1	80.3
80°	75.1	72.6	72.6	72.6	70.0	72.6	67.4	67.4	62.2	59.6	54.4
82.5°	49.3	49.3	46.6	49.3	46.6	49.3	41.5	41.5	41.5	38.8	33.8
85°	33.8	28.5	28.5	31.2	25.9	31.2	28.5	25.9	23.4	23.4	20.7
87.5°	15.5	18.1	15.5	18.1	15.5	15.5	18.1	15.5	15.5	10.4	10.4
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°	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0
2.5°	5281.1	5283.6	5283.6	5294.0	5299.2	5301.7	5301.7	5322.5	5314.7	5320.0	5325.1
5°	5205.9	5221.5	5226.6	5226.6	5255.1	5265.4	5275.8	5299.2	5301.7	5317.3	5335.4
7.5°	5133.3	5151.5	5161.8	5185.1	5203.2	5221.5	5252.5	5268.2	5283.6	5304.4	5327.7
10°	5063.3	5084.1	5104.8	5122.9	5151.5	5174.8	5195.5	5231.7	5250.0	5278.5	5309.6
12.5°	4996.0	5024.5	5042.7	5073.6	5104.8	5125.5	5156.7	5190.4	5218.9	5247.3	5283.6
15°	4936.4	4970.1	4990.8	5024.5	5058.2	5086.7	5120.4	5161.8	5182.5	5216.3	5250.0
17.5°	4871.6	4907.9	4933.8	4964.8	5006.4	5037.4	5066.0	5107.4	5133.3	5169.6	5208.5
20°	4804.3	4840.5	4871.6	4902.8	4944.2	4975.2	5009.0	5050.5	5078.9	5115.2	5146.3
22.5°	4724.0	4757.6	4791.3	4827.5	4869.0	4894.9	4933.8	4970.1	5001.2	5034.8	5066.0
25°	4620.3	4661.8	4687.7	4721.3	4755.0	4783.5	4824.9	4861.2	4887.1	4918.3	4946.7
27.5°	4498.4	4529.6	4550.3	4578.8	4612.5	4638.4	4669.4	4705.8	4731.8	4760.2	4780.9
30°	4291.1	4319.7	4337.9	4358.6	4392.2	4415.6	4441.5	4475.1	4493.2	4514.1	4532.2
32.5°	4019.1	4042.4	4052.7	4068.3	4091.6	4114.9	4135.7	4164.2	4172.0	4184.9	4184.9
35°	3625.2	3630.4	3627.8	3633.1	3643.4	3656.2	3674.5	3692.6	3702.9	3702.9	3695.2
37.5°	3164.0	3132.9	3099.2	3073.3	3065.5	3060.2	3070.7	3078.5	3088.9	3094.0	3081.0
40°	2684.6	2614.6	2539.5	2472.1	2425.4	2404.8	2396.9	2402.1	2402.1	2420.2	2420.2
42.5°	2272.6	2163.7	2052.3	1951.2	1883.8	1832.1	1808.8	1808.8	1811.2	1824.3	1832.1
45°	1930.5	1793.1	1663.5	1552.2	1458.9	1391.5	1360.5	1352.7	1350.1	1355.2	1373.4
47.5°	1668.8	1526.3	1391.5	1254.3	1155.7	1088.3	1059.9	1049.4	1039.0	1049.4	1052.1
50°	1464.1	1316.4	1173.9	1036.5	932.8	873.2	837.0	821.4	818.8	818.8	824.1
52.5°	1277.4	1140.2	997.6	857.7	748.9	691.9	658.2	650.4	640.0	650.4	650.4
55°	1101.3	964.0	824.1	691.9	601.1	541.6	510.5	500.2	494.9	502.6	502.6
57.5°	909.6	792.9	663.4	544.2	453.5	412.0	388.7	375.8	373.0	378.3	373.0
60°	746.3	647.9	536.4	427.6	357.6	313.5	295.4	290.2	285.0	290.2	290.2
62.5°	590.7	507.9	417.2	334.2	274.6	243.6	222.9	222.9	220.3	220.3	222.9
65°	438.0	373.0	308.4	238.4	191.8	168.4	152.9	152.9	150.3	152.9	150.3
67.5°	318.7	274.6	222.9	173.6	137.4	124.3	114.1	106.2	111.5	106.2	103.7
70°	233.2	196.9	160.6	132.2	106.2	93.4	85.5	82.9	77.7	77.7	77.7
72.5°	155.5	132.2	108.8	85.5	70.0	56.9	54.4	49.3	44.1	46.6	51.9
75°	103.7	88.1	77.7	62.2	46.6	46.6	31.2	31.2	25.9	31.2	23.4
77.5°	72.6	59.6	46.6	38.8	31.2	28.5	20.7	20.7	18.1	18.1	18.1
80°	51.9	44.1	33.8	28.5	20.7	20.7	18.1	15.5	12.9	12.9	15.5
82.5°	31.2	23.4	23.4	20.7	12.9	10.4	7.8	10.4	5.2	5.2	5.2
85°	18.1	15.5	12.9	7.8	5.2	5.2	2.6	0.0	2.6	2.6	0.0
87.5°	10.4	5.2	5.2	2.6	0.0	2.6	2.6	0.0	0.0	0.0	5.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0
2.5°	5338.1	5335.4	5340.6	5340.6	5356.2	5353.5	5361.3	5361.3	5356.2	5358.8	5369.2
5°	5356.2	5364.0	5379.5	5392.5	5415.8	5426.2	5439.2	5452.1	5454.7	5462.4	5470.2
7.5°	5356.2	5382.1	5400.2	5423.5	5454.7	5472.8	5501.2	5524.7	5535.0	5547.9	5563.5
10°	5345.8	5371.7	5405.4	5431.3	5470.2	5498.8	5527.2	5563.5	5579.0	5599.7	5620.5
12.5°	5325.1	5353.5	5389.9	5423.5	5467.6	5493.5	5529.7	5563.5	5586.9	5615.3	5638.6
15°	5294.0	5327.7	5361.3	5395.0	5441.6	5472.8	5506.5	5545.3	5568.6	5599.7	5620.5
17.5°	5244.8	5281.1	5312.1	5343.2	5387.3	5423.5	5454.7	5490.9	5514.3	5540.2	5568.6
20°	5185.1	5218.9	5252.5	5278.5	5322.5	5353.5	5387.3	5420.9	5439.2	5444.3	5488.4
22.5°	5110.1	5133.3	5159.2	5200.8	5226.6	5255.1	5286.3	5317.3	5335.4	5364.0	5379.5
25°	4985.6	5009.0	5037.4	5055.5	5086.7	5110.1	5141.1	5174.8	5185.1	5205.9	5221.5
27.5°	4812.1	4824.9	4838.0	4853.5	4871.6	4884.5	4902.8	4918.3	4928.6	4939.0	4949.3
30°	4537.3	4537.3	4537.3	4527.0	4534.8	4542.5	4545.1	4542.5	4542.5	4539.9	4539.9
32.5°	4174.5	4153.8	4130.6	4109.8	4102.0	4091.6	4086.4	4078.7	4065.8	4058.0	4060.6
35°	3684.7	3638.1	3609.7	3583.8	3563.1	3547.5	3539.7	3531.9	3529.4	3519.0	3508.5
37.5°	3073.3	3039.6	3018.9	3003.3	2985.2	2969.7	2972.1	2974.8	2982.5	2977.4	2980.0
40°	2425.4	2417.6	2425.4	2407.3	2402.1	2407.3	2420.2	2438.4	2448.8	2459.1	2477.2
42.5°	1845.0	1857.9	1876.2	1876.2	1883.8	1894.3	1909.7	1938.4	1953.8	1971.9	1992.7
45°	1388.9	1404.4	1427.9	1435.5	1440.8	1453.6	1472.0	1495.1	1505.5	1521.1	1539.2
47.5°	1070.2	1080.6	1093.5	1106.4	1119.4	1124.7	1142.8	1142.8	1155.7	1166.1	1171.2
50°	834.4	844.8	855.1	862.9	868.0	875.9	881.0	888.8	891.3	896.6	899.1
52.5°	652.9	666.0	666.0	671.1	678.9	686.7	684.1	686.7	689.3	689.3	697.1
55°	510.5	510.5	518.3	518.3	523.5	520.8	523.5	523.5	523.5	523.5	526.1
57.5°	380.9	383.5	391.4	386.1	383.5	388.7	383.5	388.7	386.1	391.4	383.5
60°	292.7	292.7	295.4	295.4	298.0	298.0	298.0	295.4	295.4	292.7	292.7
62.5°	220.3	222.9	225.4	222.9	222.9	222.9	220.3	220.3	217.7	215.0	215.0
65°	147.7	145.1	150.3	145.1	147.7	147.7	145.1	147.7	140.0	142.5	140.0
67.5°	106.2	103.7	101.1	103.7	101.1	98.4	98.4	101.1	103.7	95.9	95.9
70°	70.0	72.6	70.0	72.6	75.1	75.1	72.6	70.0	72.6	67.4	70.0
72.5°	44.1	44.1	44.1	44.1	44.1	46.6	46.6	46.6	41.5	41.5	38.8
75°	20.7	28.5	23.4	20.7	28.5	28.5	25.9	25.9	23.4	23.4	23.4
77.5°	20.7	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.9	15.5	12.9
80°	10.4	10.4	10.4	7.8	10.4	10.4	12.9	10.4	10.4	7.8	12.9
82.5°	5.2	5.2	5.2	0.0	2.6	5.2	5.2	2.6	5.2	5.2	2.6
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: P248853

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0
2.5°	5366.6	5364.0	5366.6	5369.2	5366.6	5364.0	5366.6	5369.2	5358.8	5356.2	5361.3
5°	5480.6	5480.6	5485.7	5488.4	5485.7	5480.6	5480.6	5470.2	5462.4	5454.7	5452.1
7.5°	5579.0	5584.3	5589.3	5591.9	5589.3	5584.3	5579.0	5563.5	5547.9	5535.0	5524.7
10°	5638.6	5646.5	5656.8	5661.9	5656.8	5646.5	5638.6	5620.5	5599.7	5579.0	5563.5
12.5°	5664.6	5672.4	5685.3	5682.7	5685.3	5672.4	5664.6	5638.6	5615.3	5586.9	5563.5
15°	5646.5	5656.8	5669.7	5675.0	5669.7	5656.8	5646.5	5620.5	5599.7	5568.6	5545.3
17.5°	5589.3	5605.0	5612.7	5620.5	5612.7	5605.0	5589.3	5568.6	5540.2	5514.3	5490.9
20°	5511.6	5522.1	5532.4	5535.0	5532.4	5522.1	5511.6	5488.4	5444.3	5439.2	5420.9
22.5°	5400.2	5408.1	5431.3	5423.5	5431.3	5408.1	5400.2	5379.5	5364.0	5335.4	5317.3
25°	5239.6	5247.3	5250.0	5252.5	5250.0	5247.3	5239.6	5221.5	5205.9	5185.1	5174.8
27.5°	4962.4	4962.4	4967.4	4970.1	4967.4	4962.4	4962.4	4949.3	4939.0	4928.6	4918.3
30°	4542.5	4542.5	4542.5	4555.6	4542.5	4542.5	4542.5	4539.9	4539.9	4542.5	4542.5
32.5°	4058.0	4052.7	4047.6	4052.7	4047.6	4052.7	4058.0	4060.6	4058.0	4065.8	4078.7
35°	3508.5	3506.0	3513.8	3503.5	3513.8	3506.0	3508.5	3508.5	3519.0	3529.4	3531.9
37.5°	2982.5	2977.4	2987.8	2977.4	2987.8	2977.4	2982.5	2980.0	2977.4	2982.5	2974.8
40°	2482.5	2487.6	2487.6	2508.4	2487.6	2487.6	2482.5	2477.2	2459.1	2448.8	2438.4
42.5°	2003.1	2018.6	2013.4	2028.9	2013.4	2018.6	2003.1	1992.7	1971.9	1953.8	1938.4
45°	1549.6	1560.0	1560.0	1565.1	1560.0	1560.0	1549.6	1539.2	1521.1	1505.5	1495.1
47.5°	1189.4	1189.4	1189.4	1192.0	1189.4	1189.4	1189.4	1171.2	1166.1	1155.7	1142.8
50°	904.4	907.0	909.6	912.2	909.6	907.0	904.4	899.1	896.6	891.3	888.8
52.5°	694.5	697.1	691.9	697.1	691.9	697.1	694.5	697.1	689.3	689.3	686.7
55°	526.1	523.5	526.1	528.6	526.1	523.5	526.1	526.1	523.5	523.5	523.5
57.5°	386.1	380.9	380.9	380.9	380.9	380.9	386.1	383.5	391.4	386.1	388.7
60°	287.7	290.2	290.2	292.7	290.2	290.2	287.7	292.7	292.7	295.4	295.4
62.5°	212.5	220.3	215.0	220.3	215.0	220.3	212.5	215.0	215.0	217.7	220.3
65°	137.4	137.4	137.4	140.0	137.4	137.4	137.4	140.0	142.5	140.0	147.7
67.5°	93.4	95.9	101.1	98.4	101.1	95.9	93.4	95.9	95.9	103.7	101.1
70°	75.1	67.4	67.4	75.1	67.4	67.4	75.1	70.0	67.4	72.6	70.0
72.5°	44.1	38.8	44.1	44.1	44.1	38.8	44.1	38.8	41.5	41.5	46.6
75°	23.4	20.7	18.1	25.9	18.1	20.7	23.4	23.4	23.4	23.4	25.9
77.5°	15.5	12.9	18.1	18.1	18.1	12.9	15.5	12.9	15.5	12.9	15.5
80°	7.8	10.4	7.8	12.9	7.8	10.4	7.8	12.9	7.8	10.4	10.4
82.5°	2.6	5.2	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	2.6
85°	0.0	5.2	2.6	2.6	2.6	5.2	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	0.0	0.0	2.6	0.0	0.0	2.6	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: P248853

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0
2.5°	5361.3	5353.5	5356.2	5340.6	5340.6	5335.4	5338.1	5325.1	5320.0	5314.7	5322.5
5°	5439.2	5426.2	5415.8	5392.5	5379.5	5364.0	5356.2	5335.4	5317.3	5301.7	5299.2
7.5°	5501.2	5472.8	5454.7	5423.5	5400.2	5382.1	5356.2	5327.7	5304.4	5283.6	5268.2
10°	5527.2	5498.8	5470.2	5431.3	5405.4	5371.7	5345.8	5309.6	5278.5	5250.0	5231.7
12.5°	5529.7	5493.5	5467.6	5423.5	5389.9	5353.5	5325.1	5283.6	5247.3	5218.9	5190.4
15°	5506.5	5472.8	5441.6	5395.0	5361.3	5327.7	5294.0	5250.0	5216.3	5182.5	5161.8
17.5°	5454.7	5423.5	5387.3	5343.2	5312.1	5281.1	5244.8	5208.5	5169.6	5133.3	5107.4
20°	5387.3	5353.5	5322.5	5278.5	5252.5	5218.9	5185.1	5146.3	5115.2	5078.9	5050.5
22.5°	5286.3	5255.1	5226.6	5200.8	5159.2	5133.3	5110.1	5066.0	5034.8	5001.2	4970.1
25°	5141.1	5110.1	5086.7	5055.5	5037.4	5009.0	4985.6	4946.7	4918.3	4887.1	4861.2
27.5°	4902.8	4884.5	4871.6	4853.5	4838.0	4824.9	4812.1	4780.9	4760.2	4731.8	4705.8
30°	4545.1	4542.5	4534.8	4527.0	4537.3	4537.3	4537.3	4532.2	4514.1	4493.2	4475.1
32.5°	4086.4	4091.6	4102.0	4109.8	4130.6	4153.8	4174.5	4184.9	4184.9	4172.0	4164.2
35°	3539.7	3547.5	3563.1	3583.8	3609.7	3638.1	3684.7	3695.2	3702.9	3702.9	3692.6
37.5°	2972.1	2969.7	2985.2	3003.3	3018.9	3039.6	3073.3	3081.0	3094.0	3088.9	3078.5
40°	2420.2	2407.3	2402.1	2407.3	2425.4	2417.6	2425.4	2420.2	2420.2	2402.1	2402.1
42.5°	1909.7	1894.3	1883.8	1876.2	1876.2	1857.9	1845.0	1832.1	1824.3	1811.2	1808.8
45°	1472.0	1453.6	1440.8	1435.5	1427.9	1404.4	1388.9	1373.4	1355.2	1350.1	1352.7
47.5°	1142.8	1124.7	1119.4	1106.4	1093.5	1080.6	1070.2	1052.1	1049.4	1039.0	1049.4
50°	881.0	875.9	868.0	862.9	855.1	844.8	834.4	824.1	818.8	818.8	821.4
52.5°	684.1	686.7	678.9	671.1	666.0	666.0	652.9	650.4	650.4	640.0	650.4
55°	523.5	520.8	523.5	518.3	518.3	510.5	510.5	502.6	502.6	494.9	500.2
57.5°	383.5	388.7	383.5	386.1	391.4	383.5	380.9	373.0	378.3	373.0	375.8
60°	298.0	298.0	298.0	295.4	295.4	292.7	292.7	290.2	290.2	285.0	290.2
62.5°	220.3	222.9	222.9	222.9	225.4	222.9	220.3	222.9	220.3	220.3	222.9
65°	145.1	147.7	147.7	145.1	150.3	145.1	147.7	150.3	152.9	150.3	152.9
67.5°	98.4	98.4	101.1	103.7	101.1	103.7	106.2	103.7	106.2	111.5	106.2
70°	72.6	75.1	75.1	72.6	70.0	72.6	70.0	77.7	77.7	77.7	82.9
72.5°	46.6	46.6	44.1	44.1	44.1	44.1	44.1	51.9	46.6	44.1	49.3
75°	25.9	28.5	28.5	20.7	23.4	28.5	20.7	23.4	31.2	25.9	31.2
77.5°	15.5	15.5	15.5	15.5	15.5	15.5	20.7	18.1	18.1	18.1	20.7
80°	12.9	10.4	10.4	7.8	10.4	10.4	10.4	15.5	12.9	12.9	15.5
82.5°	5.2	5.2	2.6	0.0	5.2	5.2	5.2	5.2	5.2	5.2	10.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	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: P248853

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0
2.5°	5301.7	5301.7	5299.2	5294.0	5283.6	5283.6	5281.1	5273.2	5268.2	5265.4	5265.4
5°	5275.8	5265.4	5255.1	5226.6	5226.6	5221.5	5205.9	5195.5	5190.4	5177.4	5172.2
7.5°	5252.5	5221.5	5203.2	5185.1	5161.8	5151.5	5133.3	5125.5	5107.4	5094.4	5086.7
10°	5195.5	5174.8	5151.5	5122.9	5104.8	5084.1	5063.3	5047.9	5024.5	5011.5	5001.2
12.5°	5156.7	5125.5	5104.8	5073.6	5042.7	5024.5	4996.0	4977.9	4954.5	4928.6	4913.1
15°	5120.4	5086.7	5058.2	5024.5	4990.8	4970.1	4936.4	4915.7	4882.0	4856.1	4838.0
17.5°	5066.0	5037.4	5006.4	4964.8	4933.8	4907.9	4871.6	4845.7	4814.7	4780.9	4762.8
20°	5009.0	4975.2	4944.2	4902.8	4871.6	4840.5	4804.3	4775.7	4739.4	4708.3	4687.7
22.5°	4933.8	4894.9	4869.0	4827.5	4791.3	4757.6	4724.0	4690.2	4656.5	4630.6	4607.2
25°	4824.9	4783.5	4755.0	4721.3	4687.7	4661.8	4620.3	4599.6	4565.9	4542.5	4519.1
27.5°	4669.4	4638.4	4612.5	4578.8	4550.3	4529.6	4498.4	4477.7	4449.2	4428.4	4410.3
30°	4441.5	4415.6	4392.2	4358.6	4337.9	4319.7	4291.1	4273.0	4252.3	4229.0	4223.8
32.5°	4135.7	4114.9	4091.6	4068.3	4052.7	4042.4	4019.1	4008.7	3988.0	3975.0	3962.0
35°	3674.5	3656.2	3643.4	3633.1	3627.8	3630.4	3625.2	3635.6	3640.7	3638.1	3640.7
37.5°	3070.7	3060.2	3065.5	3073.3	3099.2	3132.9	3164.0	3210.5	3241.7	3272.8	3301.3
40°	2396.9	2404.8	2425.4	2472.1	2539.5	2614.6	2684.6	2772.7	2860.9	2923.0	2980.0
42.5°	1808.8	1832.1	1883.8	1951.2	2052.3	2163.7	2272.6	2402.1	2508.4	2612.0	2684.6
45°	1360.5	1391.5	1458.9	1552.2	1663.5	1793.1	1930.5	2075.6	2202.6	2308.8	2389.2
47.5°	1059.9	1088.3	1155.7	1254.3	1391.5	1526.3	1668.8	1819.1	1951.2	2054.9	2124.9
50°	837.0	873.2	932.8	1036.5	1173.9	1316.4	1464.1	1611.8	1736.2	1824.3	1886.5
52.5°	658.2	691.9	748.9	857.7	997.6	1140.2	1277.4	1422.7	1531.5	1617.0	1658.5
55°	510.5	541.6	601.1	691.9	824.1	964.0	1101.3	1225.7	1326.7	1388.9	1427.9
57.5°	388.7	412.0	453.5	544.2	663.4	792.9	909.6	1034.0	1111.7	1155.7	1181.6
60°	295.4	313.5	357.6	427.6	536.4	647.9	746.3	839.6	901.8	938.0	964.0
62.5°	222.9	243.6	274.6	334.2	417.2	507.9	590.7	660.7	712.6	736.0	754.1
65°	152.9	168.4	191.8	238.4	308.4	373.0	438.0	489.8	523.5	549.4	559.8
67.5°	114.1	124.3	137.4	173.6	222.9	274.6	318.7	354.9	391.4	401.6	419.8
70°	85.5	93.4	106.2	132.2	160.6	196.9	233.2	253.9	279.9	298.0	303.2
72.5°	54.4	56.9	70.0	85.5	108.8	132.2	155.5	173.6	189.2	199.6	204.6
75°	31.2	46.6	46.6	62.2	77.7	88.1	103.7	116.6	124.3	132.2	132.2
77.5°	20.7	28.5	31.2	38.8	46.6	59.6	72.6	80.3	88.1	90.7	90.7
80°	18.1	20.7	20.7	28.5	33.8	44.1	51.9	54.4	59.6	62.2	67.4
82.5°	7.8	10.4	12.9	20.7	23.4	23.4	31.2	33.8	38.8	41.5	41.5
85°	2.6	5.2	5.2	7.8	12.9	15.5	18.1	20.7	23.4	23.4	25.9
87.5°	2.6	2.6	0.0	2.6	5.2	5.2	10.4	10.4	10.4	15.5	15.5
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: P248853

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0	5307.0
2.5°	5260.4	5262.9	5252.5	5250.0	5244.8	5247.3	5252.5
5°	5164.4	5167.0	5156.7	5146.3	5146.3	5143.6	5146.3
7.5°	5073.6	5076.3	5060.8	5055.5	5045.2	5047.9	5047.9
10°	4983.1	4983.1	4959.8	4957.1	4949.3	4946.7	4946.7
12.5°	4894.9	4887.1	4869.0	4858.7	4863.9	4848.3	4848.3
15°	4817.1	4804.3	4780.9	4773.2	4760.2	4755.0	4755.0
17.5°	4736.8	4726.5	4705.8	4690.2	4674.7	4672.1	4674.7
20°	4659.1	4648.7	4622.8	4612.5	4599.6	4599.6	4594.4
22.5°	4581.3	4571.0	4547.7	4539.9	4521.8	4521.8	4524.4
25°	4501.0	4493.2	4467.4	4462.2	4459.6	4449.2	4454.4
27.5°	4392.2	4387.0	4366.3	4358.6	4348.2	4345.7	4350.7
30°	4192.7	4184.9	4169.5	4161.6	4143.5	4146.1	4151.1
32.5°	3943.9	3933.6	3912.8	3905.0	3889.6	3884.3	3886.9
35°	3633.1	3625.2	3607.1	3607.1	3591.6	3586.3	3591.6
37.5°	3317.0	3324.6	3317.0	3324.6	3317.0	3314.2	3317.0
40°	3018.9	3047.4	3052.5	3081.0	3070.7	3086.2	3083.6
42.5°	2733.8	2780.4	2798.7	2821.8	2816.8	2827.1	2834.9
45°	2446.1	2485.0	2503.2	2518.8	2521.4	2526.5	2529.1
47.5°	2174.1	2205.2	2207.7	2225.9	2223.3	2223.3	2231.1
50°	1920.2	1940.8	1946.0	1959.0	1948.7	1943.4	1946.0
52.5°	1684.4	1705.0	1699.9	1705.0	1692.1	1686.9	1689.5
55°	1443.3	1453.6	1453.6	1453.6	1438.2	1438.2	1438.2
57.5°	1197.1	1199.8	1194.6	1197.1	1194.6	1179.0	1176.4
60°	971.8	971.8	969.1	971.8	964.0	956.2	956.2
62.5°	759.2	764.4	774.8	764.4	759.2	764.4	756.7
65°	567.6	577.9	575.2	580.4	577.9	577.9	572.6
67.5°	427.6	430.2	432.7	435.4	435.4	435.4	435.4
70°	313.5	321.4	318.7	318.7	318.7	318.7	334.2
72.5°	209.9	220.3	217.7	222.9	222.9	228.0	222.9
75°	142.5	152.9	147.7	155.5	152.9	147.7	160.6
77.5°	95.9	101.1	103.7	106.2	103.7	101.1	103.7
80°	67.4	72.6	70.0	72.6	72.6	72.6	75.1
82.5°	41.5	49.3	46.6	49.3	46.6	49.3	49.3
85°	28.5	31.2	25.9	31.2	28.5	28.5	33.8
87.5°	18.1	15.5	15.5	18.1	15.5	18.1	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)