

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: P248745

Luminaire Tested: **LD8B120D010 ER8B120927 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248745
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9574.9 lumens
Efficiency: N/A
Efficacy: 80.9 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

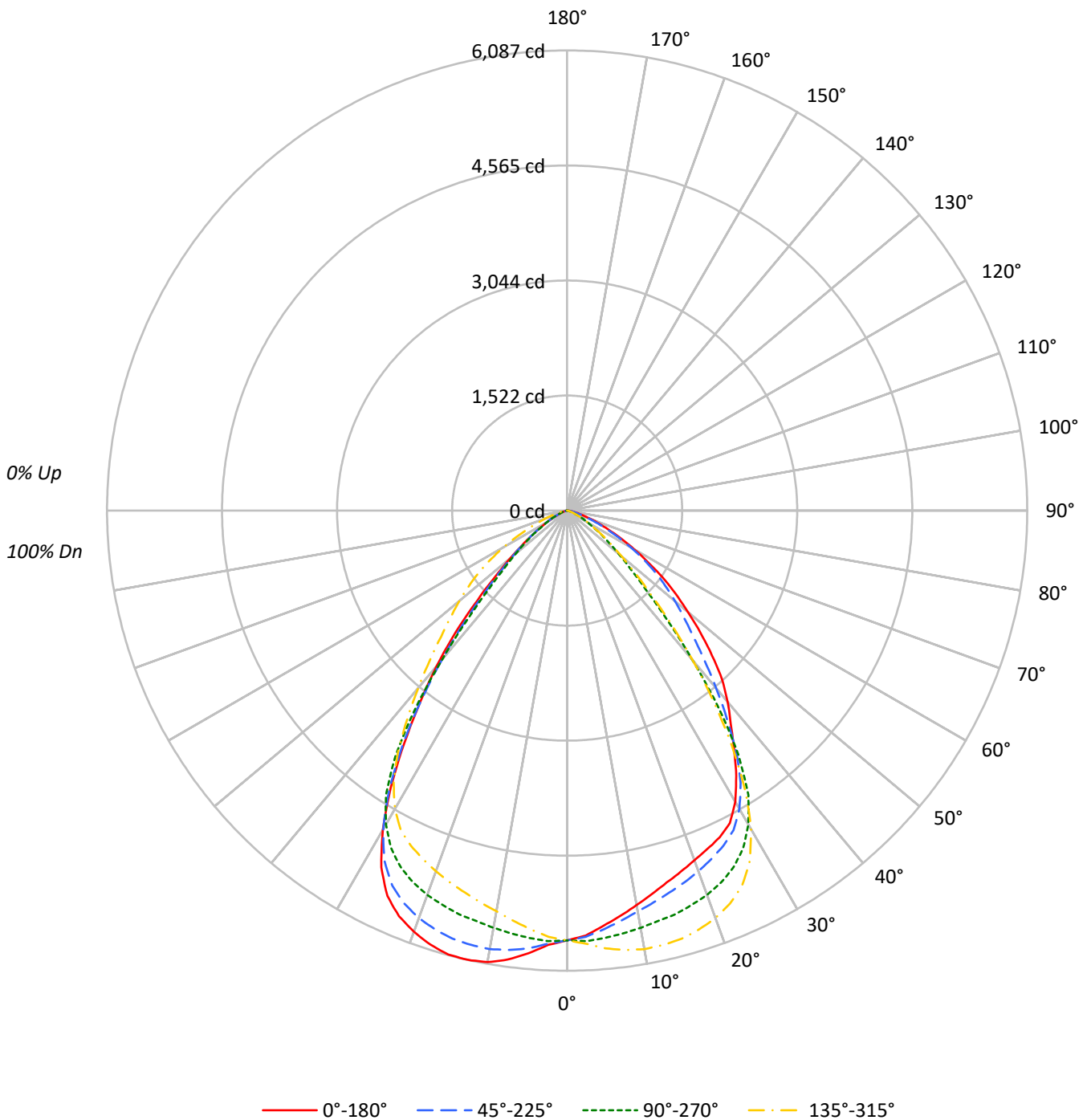
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	541.0	5.7
10°-20°	1566.7	16.4
20°-30°	2372.4	24.8
30°-40°	2377.7	24.8
40°-50°	1493.1	15.6
50°-60°	795.7	8.3
60°-70°	327.2	3.4
70°-80°	86.4	0.9
80°-90°	14.6	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°	4480.2	46.8
0°-40°	6857.9	71.6
0°-60°	9146.6	95.5
0°-90°	9574.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9574.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5684	5684	5684	5684	5684	
5°	5512	5676	5879	5676	5512	520
15°	5093	5529	6078	5529	5093	1440
25°	4771	5207	5626	5207	4771	2188
35°	3847	3955	3753	3955	3847	2410
45°	2709	1449	1676	1449	2709	2083
55°	1540	536	566	536	1540	1373
65°	613	164	150	164	613	636
75°	172	33	28	33	172	195
85°	36	0	3	0	36	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°	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3
2.5°	5626.0	5620.4	5617.7	5623.3	5626.0	5637.2	5634.3	5639.8	5639.8	5642.7	5648.2
5°	5512.3	5509.3	5512.3	5512.3	5523.3	5534.4	5531.6	5540.1	5545.5	5559.4	5564.9
7.5°	5406.8	5406.8	5403.9	5415.1	5420.6	5437.3	5434.4	5448.4	5456.7	5470.5	5490.0
10°	5298.5	5298.5	5301.2	5309.6	5312.5	5337.3	5337.3	5356.8	5367.8	5381.8	5406.8
12.5°	5193.0	5193.0	5209.8	5204.1	5215.2	5234.6	5243.0	5262.4	5279.1	5306.8	5331.8
15°	5093.1	5093.1	5098.7	5112.6	5120.9	5145.9	5159.7	5182.0	5201.4	5229.1	5265.2
17.5°	5007.0	5004.3	5007.0	5023.8	5040.4	5062.6	5073.6	5101.4	5120.9	5157.0	5190.3
20°	4921.1	4926.6	4926.6	4940.4	4951.6	4979.2	4990.4	5021.0	5043.2	5076.4	5115.4
22.5°	4846.0	4843.3	4843.3	4862.8	4871.1	4896.0	4907.1	4934.8	4959.9	4987.7	5023.8
25°	4771.1	4765.5	4776.8	4779.4	4785.0	4812.8	4821.1	4840.5	4865.5	4890.5	4926.6
27.5°	4660.1	4654.6	4657.4	4668.4	4676.7	4698.9	4704.5	4724.0	4743.3	4765.5	4796.2
30°	4446.3	4440.8	4438.1	4457.6	4465.9	4482.4	4490.8	4524.2	4529.6	4554.7	4576.8
32.5°	4163.3	4160.5	4166.1	4182.6	4191.1	4213.3	4224.4	4243.8	4257.7	4271.5	4293.7
35°	3846.9	3841.3	3846.9	3863.6	3863.6	3883.0	3891.4	3899.6	3896.9	3899.6	3894.1
37.5°	3552.8	3549.9	3552.8	3561.0	3552.8	3561.0	3552.8	3536.1	3505.6	3472.2	3438.9
40°	3302.9	3305.6	3289.0	3300.2	3269.6	3264.1	3233.6	3191.8	3130.9	3064.3	2969.9
42.5°	3036.5	3028.2	3017.0	3022.5	2997.7	2978.1	2928.2	2875.5	2797.8	2686.7	2572.9
45°	2708.9	2706.2	2700.6	2697.9	2681.2	2661.8	2620.0	2559.0	2473.0	2359.2	2223.2
47.5°	2389.7	2381.4	2381.4	2384.1	2364.8	2361.9	2328.6	2276.0	2201.1	2090.0	1948.4
50°	2084.4	2081.6	2087.2	2098.4	2084.4	2078.9	2056.7	2020.6	1954.0	1859.6	1726.3
52.5°	1809.6	1806.9	1812.5	1826.3	1820.7	1826.3	1804.2	1776.4	1731.9	1640.4	1523.8
55°	1540.5	1540.5	1540.5	1557.0	1557.0	1557.0	1546.0	1529.3	1487.7	1421.1	1312.9
57.5°	1260.1	1262.8	1279.6	1282.3	1279.6	1285.1	1282.3	1265.6	1238.0	1190.8	1107.4
60°	1024.2	1024.2	1032.5	1040.9	1038.0	1040.9	1040.9	1032.5	1004.7	965.9	899.3
62.5°	810.4	818.8	813.2	818.8	829.9	818.8	813.2	807.8	788.3	763.3	707.7
65°	613.4	619.0	619.0	621.7	616.2	619.0	607.8	599.5	588.5	560.7	524.6
67.5°	466.3	466.3	466.3	466.3	463.5	460.8	458.0	449.7	430.2	419.2	380.2
70°	358.1	341.3	341.3	341.3	341.3	344.2	335.9	324.8	319.2	299.8	272.0
72.5°	238.6	244.2	238.6	238.6	233.2	235.9	224.8	219.3	213.8	202.6	186.0
75°	172.0	158.2	163.7	166.6	158.2	163.7	152.7	141.5	141.5	133.2	124.9
77.5°	111.0	108.3	111.0	113.7	111.0	108.3	102.7	97.1	97.1	94.4	86.1
80°	80.6	77.7	77.7	77.7	74.9	77.7	72.2	72.2	66.6	63.9	58.3
82.5°	52.8	52.8	49.9	52.8	49.9	52.8	44.4	44.4	44.4	41.6	36.1
85°	36.1	30.5	30.5	33.4	27.8	33.4	30.5	27.8	25.0	25.0	22.2
87.5°	16.7	19.5	16.7	19.5	16.7	16.7	19.5	16.7	16.7	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3
2.5°	5656.5	5659.3	5659.3	5670.4	5676.0	5678.7	5678.7	5700.9	5692.6	5698.2	5703.8
5°	5576.1	5592.7	5598.2	5598.2	5628.8	5639.8	5651.0	5676.0	5678.7	5695.4	5714.8
7.5°	5498.3	5517.8	5528.9	5553.8	5573.2	5592.7	5626.0	5642.7	5659.3	5681.6	5706.4
10°	5423.4	5445.7	5467.8	5487.2	5517.8	5542.8	5564.9	5603.7	5623.3	5653.8	5687.0
12.5°	5351.3	5381.8	5401.2	5434.4	5467.8	5490.0	5523.3	5559.4	5589.9	5620.4	5659.3
15°	5287.4	5323.5	5345.7	5381.8	5417.9	5448.4	5484.5	5528.9	5551.1	5587.2	5623.3
17.5°	5218.0	5256.9	5284.7	5317.9	5362.3	5395.6	5426.2	5470.5	5498.3	5537.1	5578.9
20°	5145.9	5184.7	5218.0	5251.3	5295.7	5329.0	5365.1	5409.6	5440.0	5478.9	5512.3
22.5°	5059.8	5095.9	5131.9	5170.7	5215.2	5243.0	5284.7	5323.5	5356.8	5392.9	5426.2
25°	4948.8	4993.2	5021.0	5057.0	5093.1	5123.6	5168.0	5206.8	5234.6	5268.0	5298.5
27.5°	4818.4	4851.7	4873.8	4904.3	4940.4	4968.2	5001.4	5040.4	5068.2	5098.7	5120.9
30°	4596.3	4626.9	4646.2	4668.4	4704.5	4729.6	4757.3	4793.3	4812.8	4835.0	4854.5
32.5°	4304.8	4329.8	4340.9	4357.6	4382.7	4407.5	4429.8	4460.3	4468.6	4482.4	4482.4
35°	3883.0	3888.6	3885.8	3891.4	3902.4	3916.2	3935.7	3955.2	3966.2	3966.2	3958.0
37.5°	3389.0	3355.6	3319.5	3291.9	3283.4	3277.9	3289.0	3297.3	3308.5	3314.0	3300.2
40°	2875.5	2800.6	2720.0	2647.8	2597.8	2575.7	2567.4	2572.9	2572.9	2592.3	2592.3
42.5°	2434.2	2317.5	2198.2	2090.0	2017.8	1962.3	1937.4	1937.4	1940.1	1954.0	1962.3
45°	2067.9	1920.7	1781.9	1662.6	1562.6	1490.4	1457.2	1448.9	1446.1	1451.6	1471.0
47.5°	1787.4	1634.9	1490.4	1343.4	1238.0	1165.7	1135.2	1124.0	1113.0	1124.0	1126.9
50°	1568.2	1410.0	1257.4	1110.3	999.2	935.3	896.5	879.8	877.0	877.0	882.7
52.5°	1368.3	1221.3	1068.6	918.8	802.1	741.2	705.0	696.7	685.6	696.7	696.7
55°	1179.6	1032.5	882.7	741.2	643.8	580.2	546.8	535.7	530.1	538.4	538.4
57.5°	974.2	849.3	710.6	582.9	485.8	441.3	416.2	402.5	399.6	405.2	399.6
60°	799.3	693.9	574.5	458.0	383.1	335.9	316.5	310.8	305.2	310.8	310.8
62.5°	632.8	544.1	446.8	358.1	294.2	260.9	238.6	238.6	235.9	235.9	238.6
65°	469.1	399.6	330.3	255.4	205.4	180.3	163.7	163.7	161.0	163.7	161.0
67.5°	341.3	294.2	238.6	186.0	147.2	133.2	122.2	113.7	119.4	113.7	111.0
70°	249.9	210.9	172.0	141.5	113.7	100.0	91.6	88.8	83.2	83.2	83.2
72.5°	166.6	141.5	116.6	91.6	74.9	61.0	58.3	52.8	47.1	49.9	55.6
75°	111.0	94.4	83.2	66.6	49.9	49.9	33.4	33.4	27.8	33.4	25.0
77.5°	77.7	63.9	49.9	41.6	33.4	30.5	22.2	22.2	19.5	19.5	19.5
80°	55.6	47.1	36.1	30.5	22.2	22.2	19.5	16.7	13.8	13.8	16.7
82.5°	33.4	25.0	25.0	22.2	13.8	11.1	8.3	11.1	5.6	5.6	5.6
85°	19.5	16.7	13.8	8.3	5.6	5.6	2.7	0.0	2.7	2.7	0.0
87.5°	11.1	5.6	5.6	2.7	0.0	2.7	2.7	0.0	0.0	0.0	5.6
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°	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3
2.5°	5717.7	5714.8	5720.4	5720.4	5737.0	5734.2	5742.6	5742.6	5737.0	5739.9	5750.9
5°	5737.0	5745.4	5762.0	5776.0	5800.8	5812.0	5825.8	5839.8	5842.6	5850.9	5859.2
7.5°	5737.0	5764.8	5784.3	5809.2	5842.6	5861.9	5892.4	5917.5	5928.5	5942.4	5959.0
10°	5725.9	5753.7	5789.7	5817.5	5859.2	5889.7	5920.2	5959.0	5975.8	5997.9	6020.2
12.5°	5703.8	5734.2	5773.0	5809.2	5856.3	5884.1	5922.9	5959.0	5984.1	6014.6	6039.6
15°	5670.4	5706.4	5742.6	5778.7	5828.6	5861.9	5898.0	5939.7	5964.6	5997.9	6020.2
17.5°	5617.7	5656.5	5689.9	5723.1	5770.3	5809.2	5842.6	5881.4	5906.4	5934.2	5964.6
20°	5553.8	5589.9	5626.0	5653.8	5700.9	5734.2	5770.3	5806.5	5825.8	5831.4	5878.6
22.5°	5473.5	5498.3	5526.1	5570.6	5598.2	5628.8	5662.1	5695.4	5714.8	5745.4	5762.0
25°	5340.0	5365.1	5395.6	5415.1	5448.4	5473.5	5506.7	5542.8	5553.8	5576.1	5592.7
27.5°	5154.2	5168.0	5182.0	5198.5	5218.0	5231.9	5251.3	5268.0	5279.1	5290.2	5301.2
30°	4859.9	4859.9	4859.9	4848.9	4857.2	4865.5	4868.2	4865.5	4865.5	4862.8	4862.8
32.5°	4471.4	4449.3	4424.2	4402.0	4393.7	4382.7	4377.0	4368.7	4354.9	4346.6	4349.2
35°	3946.7	3896.9	3866.3	3838.6	3816.4	3799.7	3791.4	3783.0	3780.3	3769.2	3758.1
37.5°	3291.9	3255.8	3233.6	3216.8	3197.5	3180.7	3183.5	3186.3	3194.5	3189.2	3191.8
40°	2597.8	2589.5	2597.8	2578.5	2572.9	2578.5	2592.3	2611.8	2622.9	2634.0	2653.4
42.5°	1976.2	1990.0	2009.6	2009.6	2017.8	2028.9	2045.5	2076.2	2092.7	2112.2	2134.5
45°	1487.7	1504.4	1529.3	1537.6	1543.2	1557.0	1576.6	1601.4	1612.6	1629.2	1648.7
47.5°	1146.4	1157.4	1171.2	1185.2	1199.0	1204.5	1224.0	1224.0	1238.0	1249.0	1254.5
50°	893.7	904.8	915.9	924.2	929.8	938.1	943.6	952.0	954.8	960.3	963.1
52.5°	699.4	713.4	713.4	718.9	727.2	735.5	732.7	735.5	738.2	738.2	746.6
55°	546.8	546.8	555.1	555.1	560.7	557.9	560.7	560.7	560.7	560.7	563.4
57.5°	407.9	410.8	419.2	413.6	410.8	416.2	410.8	416.2	413.6	419.2	410.8
60°	313.7	313.7	316.5	316.5	319.2	319.2	319.2	316.5	316.5	313.7	313.7
62.5°	235.9	238.6	241.5	238.6	238.6	238.6	235.9	235.9	233.2	230.3	230.3
65°	158.2	155.5	161.0	155.5	158.2	158.2	155.5	158.2	149.8	152.7	149.8
67.5°	113.7	111.0	108.3	111.0	108.3	105.4	105.4	108.3	111.0	102.7	102.7
70°	74.9	77.7	74.9	77.7	80.6	80.6	77.7	74.9	77.7	72.2	74.9
72.5°	47.1	47.1	47.1	47.1	47.1	49.9	49.9	49.9	44.4	44.4	41.6
75°	22.2	30.5	25.0	22.2	30.5	30.5	27.8	27.8	25.0	25.0	25.0
77.5°	22.2	16.7	16.7	16.7	16.7	16.7	16.7	16.7	13.8	16.7	13.8
80°	11.1	11.1	11.1	8.3	11.1	11.1	13.8	11.1	11.1	8.3	13.8
82.5°	5.6	5.6	5.6	0.0	2.7	5.6	5.6	2.7	5.6	5.6	2.7
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: P248745

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3
2.5°	5748.2	5745.4	5748.2	5750.9	5748.2	5745.4	5748.2	5750.9	5739.9	5737.0	5742.6
5°	5870.2	5870.2	5875.8	5878.6	5875.8	5870.2	5870.2	5859.2	5850.9	5842.6	5839.8
7.5°	5975.8	5981.3	5986.8	5989.6	5986.8	5981.3	5975.8	5959.0	5942.4	5928.5	5917.5
10°	6039.6	6047.9	6059.0	6064.5	6059.0	6047.9	6039.6	6020.2	5997.9	5975.8	5959.0
12.5°	6067.3	6075.7	6089.5	6086.8	6089.5	6075.7	6067.3	6039.6	6014.6	5984.1	5959.0
15°	6047.9	6059.0	6072.9	6078.5	6072.9	6059.0	6047.9	6020.2	5997.9	5964.6	5939.7
17.5°	5986.8	6003.4	6011.9	6020.2	6011.9	6003.4	5986.8	5964.6	5934.2	5906.4	5881.4
20°	5903.6	5914.7	5925.8	5928.5	5925.8	5914.7	5903.6	5878.6	5831.4	5825.8	5806.5
22.5°	5784.3	5792.6	5817.5	5809.2	5817.5	5792.6	5784.3	5762.0	5745.4	5714.8	5695.4
25°	5612.1	5620.4	5623.3	5626.0	5623.3	5620.4	5612.1	5592.7	5576.1	5553.8	5542.8
27.5°	5315.2	5315.2	5320.7	5323.5	5320.7	5315.2	5315.2	5301.2	5290.2	5279.1	5268.0
30°	4865.5	4865.5	4865.5	4879.5	4865.5	4865.5	4865.5	4862.8	4862.8	4865.5	4865.5
32.5°	4346.6	4340.9	4335.4	4340.9	4335.4	4340.9	4346.6	4349.2	4346.6	4354.9	4368.7
35°	3758.1	3755.2	3763.7	3752.6	3763.7	3755.2	3758.1	3758.1	3769.2	3780.3	3783.0
37.5°	3194.5	3189.2	3200.2	3189.2	3200.2	3189.2	3194.5	3191.8	3189.2	3194.5	3186.3
40°	2659.0	2664.5	2664.5	2686.7	2664.5	2664.5	2659.0	2653.4	2634.0	2622.9	2611.8
42.5°	2145.5	2162.1	2156.6	2173.3	2156.6	2162.1	2145.5	2134.5	2112.2	2092.7	2076.2
45°	1659.7	1671.0	1671.0	1676.4	1671.0	1671.0	1659.7	1648.7	1629.2	1612.6	1601.4
47.5°	1274.0	1274.0	1274.0	1276.8	1274.0	1274.0	1274.0	1254.5	1249.0	1238.0	1224.0
50°	968.6	971.4	974.2	977.1	974.2	971.4	968.6	963.1	960.3	954.8	952.0
52.5°	743.8	746.6	741.2	746.6	741.2	746.6	743.8	746.6	738.2	738.2	735.5
55°	563.4	560.7	563.4	566.2	563.4	560.7	563.4	563.4	560.7	560.7	560.7
57.5°	413.6	407.9	407.9	407.9	407.9	407.9	413.6	410.8	419.2	413.6	416.2
60°	308.1	310.8	310.8	313.7	310.8	310.8	308.1	313.7	313.7	316.5	316.5
62.5°	227.6	235.9	230.3	235.9	230.3	235.9	227.6	230.3	230.3	233.2	235.9
65°	147.2	147.2	147.2	149.8	147.2	147.2	147.2	149.8	152.7	149.8	158.2
67.5°	100.0	102.7	108.3	105.4	108.3	102.7	100.0	102.7	102.7	111.0	108.3
70°	80.6	72.2	72.2	80.6	72.2	72.2	80.6	74.9	72.2	77.7	74.9
72.5°	47.1	41.6	47.1	47.1	47.1	41.6	47.1	41.6	44.4	44.4	49.9
75°	25.0	22.2	19.5	27.8	19.5	22.2	25.0	25.0	25.0	25.0	27.8
77.5°	16.7	13.8	19.5	19.5	19.5	13.8	16.7	13.8	16.7	13.8	16.7
80°	8.3	11.1	8.3	13.8	8.3	11.1	8.3	13.8	8.3	11.1	11.1
82.5°	2.7	5.6	5.6	5.6	5.6	5.6	2.7	2.7	5.6	5.6	2.7
85°	0.0	5.6	2.7	2.7	2.7	5.6	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.0	0.0	2.7	0.0	0.0	2.7	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: P248745

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3
2.5°	5742.6	5734.2	5737.0	5720.4	5720.4	5714.8	5717.7	5703.8	5698.2	5692.6	5700.9
5°	5825.8	5812.0	5800.8	5776.0	5762.0	5745.4	5737.0	5714.8	5695.4	5678.7	5676.0
7.5°	5892.4	5861.9	5842.6	5809.2	5784.3	5764.8	5737.0	5706.4	5681.6	5659.3	5642.7
10°	5920.2	5889.7	5859.2	5817.5	5789.7	5753.7	5725.9	5687.0	5653.8	5623.3	5603.7
12.5°	5922.9	5884.1	5856.3	5809.2	5773.0	5734.2	5703.8	5659.3	5620.4	5589.9	5559.4
15°	5898.0	5861.9	5828.6	5778.7	5742.6	5706.4	5670.4	5623.3	5587.2	5551.1	5528.9
17.5°	5842.6	5809.2	5770.3	5723.1	5689.9	5656.5	5617.7	5578.9	5537.1	5498.3	5470.5
20°	5770.3	5734.2	5700.9	5653.8	5626.0	5589.9	5553.8	5512.3	5478.9	5440.0	5409.6
22.5°	5662.1	5628.8	5598.2	5570.6	5526.1	5498.3	5473.5	5426.2	5392.9	5356.8	5323.5
25°	5506.7	5473.5	5448.4	5415.1	5395.6	5365.1	5340.0	5298.5	5268.0	5234.6	5206.8
27.5°	5251.3	5231.9	5218.0	5198.5	5182.0	5168.0	5154.2	5120.9	5098.7	5068.2	5040.4
30°	4868.2	4865.5	4857.2	4848.9	4859.9	4859.9	4859.9	4854.5	4835.0	4812.8	4793.3
32.5°	4377.0	4382.7	4393.7	4402.0	4424.2	4449.3	4471.4	4482.4	4482.4	4468.6	4460.3
35°	3791.4	3799.7	3816.4	3838.6	3866.3	3896.9	3946.7	3958.0	3966.2	3966.2	3955.2
37.5°	3183.5	3180.7	3197.5	3216.8	3233.6	3255.8	3291.9	3300.2	3314.0	3308.5	3297.3
40°	2592.3	2578.5	2572.9	2578.5	2597.8	2589.5	2597.8	2592.3	2592.3	2572.9	2572.9
42.5°	2045.5	2028.9	2017.8	2009.6	2009.6	1990.0	1976.2	1962.3	1954.0	1940.1	1937.4
45°	1576.6	1557.0	1543.2	1537.6	1529.3	1504.4	1487.7	1471.0	1451.6	1446.1	1448.9
47.5°	1224.0	1204.5	1199.0	1185.2	1171.2	1157.4	1146.4	1126.9	1124.0	1113.0	1124.0
50°	943.6	938.1	929.8	924.2	915.9	904.8	893.7	882.7	877.0	877.0	879.8
52.5°	732.7	735.5	727.2	718.9	713.4	713.4	699.4	696.7	696.7	685.6	696.7
55°	560.7	557.9	560.7	555.1	555.1	546.8	546.8	538.4	538.4	530.1	535.7
57.5°	410.8	416.2	410.8	413.6	419.2	410.8	407.9	399.6	405.2	399.6	402.5
60°	319.2	319.2	319.2	316.5	316.5	313.7	313.7	310.8	310.8	305.2	310.8
62.5°	235.9	238.6	238.6	238.6	241.5	238.6	235.9	238.6	235.9	235.9	238.6
65°	155.5	158.2	158.2	155.5	161.0	155.5	158.2	161.0	163.7	161.0	163.7
67.5°	105.4	105.4	108.3	111.0	108.3	111.0	113.7	111.0	113.7	119.4	113.7
70°	77.7	80.6	80.6	77.7	74.9	77.7	74.9	83.2	83.2	83.2	88.8
72.5°	49.9	49.9	47.1	47.1	47.1	47.1	47.1	55.6	49.9	47.1	52.8
75°	27.8	30.5	30.5	22.2	25.0	30.5	22.2	25.0	33.4	27.8	33.4
77.5°	16.7	16.7	16.7	16.7	16.7	16.7	22.2	19.5	19.5	19.5	22.2
80°	13.8	11.1	11.1	8.3	11.1	11.1	11.1	16.7	13.8	13.8	16.7
82.5°	5.6	5.6	2.7	0.0	5.6	5.6	5.6	5.6	5.6	5.6	11.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	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: P248745

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3
2.5°	5678.7	5678.7	5676.0	5670.4	5659.3	5659.3	5656.5	5648.2	5642.7	5639.8	5639.8
5°	5651.0	5639.8	5628.8	5598.2	5598.2	5592.7	5576.1	5564.9	5559.4	5545.5	5540.1
7.5°	5626.0	5592.7	5573.2	5553.8	5528.9	5517.8	5498.3	5490.0	5470.5	5456.7	5448.4
10°	5564.9	5542.8	5517.8	5487.2	5467.8	5445.7	5423.4	5406.8	5381.8	5367.8	5356.8
12.5°	5523.3	5490.0	5467.8	5434.4	5401.2	5381.8	5351.3	5331.8	5306.8	5279.1	5262.4
15°	5484.5	5448.4	5417.9	5381.8	5345.7	5323.5	5287.4	5265.2	5229.1	5201.4	5182.0
17.5°	5426.2	5395.6	5362.3	5317.9	5284.7	5256.9	5218.0	5190.3	5157.0	5120.9	5101.4
20°	5365.1	5329.0	5295.7	5251.3	5218.0	5184.7	5145.9	5115.4	5076.4	5043.2	5021.0
22.5°	5284.7	5243.0	5215.2	5170.7	5131.9	5095.9	5059.8	5023.8	4987.7	4959.9	4934.8
25°	5168.0	5123.6	5093.1	5057.0	5021.0	4993.2	4948.8	4926.6	4890.5	4865.5	4840.5
27.5°	5001.4	4968.2	4940.4	4904.3	4873.8	4851.7	4818.4	4796.2	4765.5	4743.3	4724.0
30°	4757.3	4729.6	4704.5	4668.4	4646.2	4626.9	4596.3	4576.8	4554.7	4529.6	4524.2
32.5°	4429.8	4407.5	4382.7	4357.6	4340.9	4329.8	4304.8	4293.7	4271.5	4257.7	4243.8
35°	3935.7	3916.2	3902.4	3891.4	3885.8	3888.6	3883.0	3894.1	3899.6	3896.9	3899.6
37.5°	3289.0	3277.9	3283.4	3291.9	3319.5	3355.6	3389.0	3438.9	3472.2	3505.6	3536.1
40°	2567.4	2575.7	2597.8	2647.8	2720.0	2800.6	2875.5	2969.9	3064.3	3130.9	3191.8
42.5°	1937.4	1962.3	2017.8	2090.0	2198.2	2317.5	2434.2	2572.9	2686.7	2797.8	2875.5
45°	1457.2	1490.4	1562.6	1662.6	1781.9	1920.7	2067.9	2223.2	2359.2	2473.0	2559.0
47.5°	1135.2	1165.7	1238.0	1343.4	1490.4	1634.9	1787.4	1948.4	2090.0	2201.1	2276.0
50°	896.5	935.3	999.2	1110.3	1257.4	1410.0	1568.2	1726.3	1859.6	1954.0	2020.6
52.5°	705.0	741.2	802.1	918.8	1068.6	1221.3	1368.3	1523.8	1640.4	1731.9	1776.4
55°	546.8	580.2	643.8	741.2	882.7	1032.5	1179.6	1312.9	1421.1	1487.7	1529.3
57.5°	416.2	441.3	485.8	582.9	710.6	849.3	974.2	1107.4	1190.8	1238.0	1265.6
60°	316.5	335.9	383.1	458.0	574.5	693.9	799.3	899.3	965.9	1004.7	1032.5
62.5°	238.6	260.9	294.2	358.1	446.8	544.1	632.8	707.7	763.3	788.3	807.8
65°	163.7	180.3	205.4	255.4	330.3	399.6	469.1	524.6	560.7	588.5	599.5
67.5°	122.2	133.2	147.2	186.0	238.6	294.2	341.3	380.2	419.2	430.2	449.7
70°	91.6	100.0	113.7	141.5	172.0	210.9	249.9	272.0	299.8	319.2	324.8
72.5°	58.3	61.0	74.9	91.6	116.6	141.5	166.6	186.0	202.6	213.8	219.3
75°	33.4	49.9	49.9	66.6	83.2	94.4	111.0	124.9	133.2	141.5	141.5
77.5°	22.2	30.5	33.4	41.6	49.9	63.9	77.7	86.1	94.4	97.1	97.1
80°	19.5	22.2	22.2	30.5	36.1	47.1	55.6	58.3	63.9	66.6	72.2
82.5°	8.3	11.1	13.8	22.2	25.0	25.0	33.4	36.1	41.6	44.4	44.4
85°	2.7	5.6	5.6	8.3	13.8	16.7	19.5	22.2	25.0	25.0	27.8
87.5°	2.7	2.7	0.0	2.7	5.6	5.6	11.1	11.1	11.1	16.7	16.7
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: P248745

CATALOG NUMBER: LD8B120D010 ER8B120927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3	5684.3
2.5°	5634.3	5637.2	5626.0	5623.3	5617.7	5620.4	5626.0
5°	5531.6	5534.4	5523.3	5512.3	5512.3	5509.3	5512.3
7.5°	5434.4	5437.3	5420.6	5415.1	5403.9	5406.8	5406.8
10°	5337.3	5337.3	5312.5	5309.6	5301.2	5298.5	5298.5
12.5°	5243.0	5234.6	5215.2	5204.1	5209.8	5193.0	5193.0
15°	5159.7	5145.9	5120.9	5112.6	5098.7	5093.1	5093.1
17.5°	5073.6	5062.6	5040.4	5023.8	5007.0	5004.3	5007.0
20°	4990.4	4979.2	4951.6	4940.4	4926.6	4926.6	4921.1
22.5°	4907.1	4896.0	4871.1	4862.8	4843.3	4843.3	4846.0
25°	4821.1	4812.8	4785.0	4779.4	4776.8	4765.5	4771.1
27.5°	4704.5	4698.9	4676.7	4668.4	4657.4	4654.6	4660.1
30°	4490.8	4482.4	4465.9	4457.6	4438.1	4440.8	4446.3
32.5°	4224.4	4213.3	4191.1	4182.6	4166.1	4160.5	4163.3
35°	3891.4	3883.0	3863.6	3863.6	3846.9	3841.3	3846.9
37.5°	3552.8	3561.0	3552.8	3561.0	3552.8	3549.9	3552.8
40°	3233.6	3264.1	3269.6	3300.2	3289.0	3305.6	3302.9
42.5°	2928.2	2978.1	2997.7	3022.5	3017.0	3028.2	3036.5
45°	2620.0	2661.8	2681.2	2697.9	2700.6	2706.2	2708.9
47.5°	2328.6	2361.9	2364.8	2384.1	2381.4	2381.4	2389.7
50°	2056.7	2078.9	2084.4	2098.4	2087.2	2081.6	2084.4
52.5°	1804.2	1826.3	1820.7	1826.3	1812.5	1806.9	1809.6
55°	1546.0	1557.0	1557.0	1557.0	1540.5	1540.5	1540.5
57.5°	1282.3	1285.1	1279.6	1282.3	1279.6	1262.8	1260.1
60°	1040.9	1040.9	1038.0	1040.9	1032.5	1024.2	1024.2
62.5°	813.2	818.8	829.9	818.8	813.2	818.8	810.4
65°	607.8	619.0	616.2	621.7	619.0	619.0	613.4
67.5°	458.0	460.8	463.5	466.3	466.3	466.3	466.3
70°	335.9	344.2	341.3	341.3	341.3	341.3	358.1
72.5°	224.8	235.9	233.2	238.6	238.6	244.2	238.6
75°	152.7	163.7	158.2	166.6	163.7	158.2	172.0
77.5°	102.7	108.3	111.0	113.7	111.0	108.3	111.0
80°	72.2	77.7	74.9	77.7	77.7	77.7	80.6
82.5°	44.4	52.8	49.9	52.8	49.9	52.8	52.8
85°	30.5	33.4	27.8	33.4	30.5	30.5	36.1
87.5°	19.5	16.7	16.7	19.5	16.7	19.5	16.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)