

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: P248582

Luminaire Tested: **LD8B100D010 ER8B100850 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248582
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 ER8B100850 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11018.0 lumens
Efficiency: N/A
Efficacy: 103.6 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

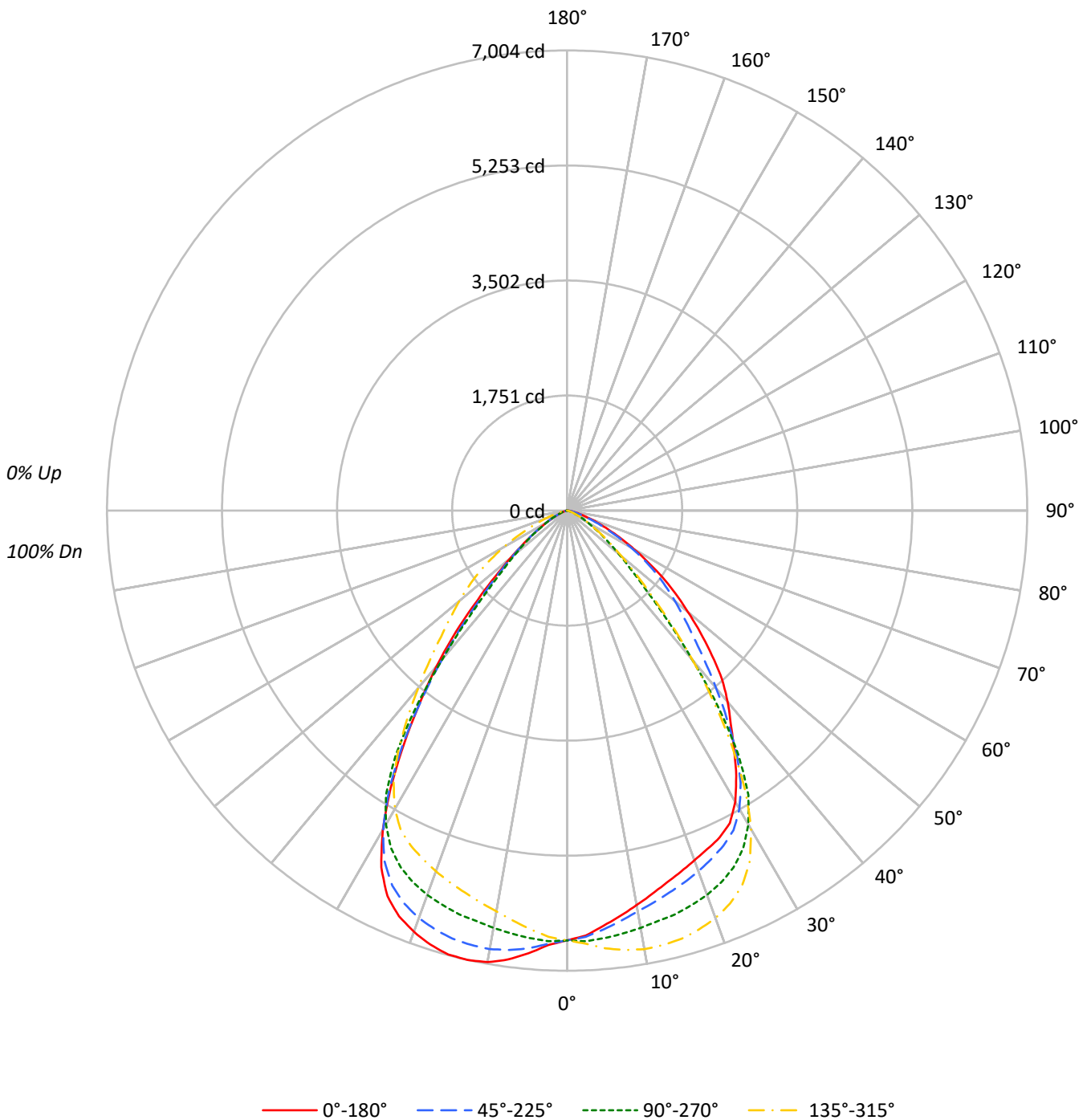
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	201700	201700	201700	201700
5°	196345	202174	209395	202174
10°	190912	201912	218511	201912
15°	187098	203108	223296	203108
20°	185823	204272	223869	204272
25°	186803	203862	220272	203862
30°	182182	196399	199928	196399
35°	166640	171326	162551	171326
40°	152993	119180	124453	119180
45°	135938	72705	84126	72705
50°	115063	48568	53936	48568
55°	95298	33139	35026	33139
60°	72687	22060	22258	22060
65°	51499	13747	12586	13747
70°	37146	9205	8358	9205
75°	23590	4575	3801	4575
80°	16462	3410	2824	3410
85°	14683	0	1132	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.6	5.7
10°-20°	1802.9	16.4
20°-30°	2730.0	24.8
30°-40°	2736.1	24.8
40°-50°	1718.1	15.6
50°-60°	915.6	8.3
60°-70°	376.5	3.4
70°-80°	99.5	0.9
80°-90°	16.8	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°	5155.4	46.8
0°-40°	7891.5	71.6
0°-60°	10525.2	95.5
0°-90°	11018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11018.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6541	6541	6541	6541	6541	
5°	6343	6531	6765	6531	6343	598
15°	5861	6362	6995	6362	5861	1658
25°	5490	5992	6474	5992	5490	2518
35°	4427	4551	4318	4551	4427	2773
45°	3117	1667	1929	1667	3117	2397
55°	1773	616	652	616	1773	1580
65°	706	188	172	188	706	732
75°	198	38	32	38	198	224
85°	42	0	3	0	42	46
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°	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0
2.5°	6474.0	6467.6	6464.4	6470.8	6474.0	6486.7	6483.6	6489.9	6489.9	6493.2	6499.5
5°	6343.1	6339.8	6343.1	6343.1	6355.8	6368.6	6365.4	6375.0	6381.3	6397.3	6403.7
7.5°	6221.7	6221.7	6218.4	6231.2	6237.6	6256.8	6253.5	6269.6	6279.2	6295.1	6317.4
10°	6097.1	6097.1	6100.2	6109.8	6113.1	6141.8	6141.8	6164.1	6176.9	6192.9	6221.7
12.5°	5975.7	5975.7	5994.9	5988.5	6001.3	6023.6	6033.2	6055.5	6074.7	6106.7	6135.5
15°	5860.7	5860.7	5867.2	5883.1	5892.7	5921.5	5937.4	5963.0	5985.3	6017.3	6058.8
17.5°	5761.7	5758.6	5761.7	5780.9	5800.1	5825.6	5838.4	5870.3	5892.7	5934.2	5972.6
20°	5662.7	5669.2	5669.2	5685.1	5697.8	5729.8	5742.5	5777.8	5803.3	5841.5	5886.4
22.5°	5576.5	5573.3	5573.3	5595.7	5605.3	5633.9	5646.7	5678.6	5707.4	5739.4	5780.9
25°	5490.3	5483.8	5496.7	5499.9	5506.2	5538.1	5547.7	5570.1	5598.8	5627.6	5669.2
27.5°	5362.5	5356.2	5359.3	5372.1	5381.7	5407.2	5413.6	5436.0	5458.3	5483.8	5519.0
30°	5116.5	5110.2	5107.0	5129.4	5139.0	5158.1	5167.7	5206.0	5212.3	5241.1	5266.6
32.5°	4790.7	4787.6	4794.0	4813.1	4822.7	4848.3	4861.1	4883.4	4899.3	4915.4	4940.9
35°	4426.7	4420.3	4426.7	4445.9	4445.9	4468.3	4477.9	4487.3	4484.2	4487.3	4481.0
37.5°	4088.2	4084.9	4088.2	4097.7	4088.2	4097.7	4088.2	4069.0	4033.9	3995.5	3957.1
40°	3800.7	3803.9	3784.8	3797.6	3762.3	3756.0	3720.9	3672.9	3602.7	3526.1	3417.5
42.5°	3494.1	3484.5	3471.8	3478.1	3449.4	3427.0	3369.5	3308.9	3219.4	3091.7	2960.7
45°	3117.2	3114.1	3107.6	3104.5	3085.3	3062.9	3015.0	2944.8	2845.8	2714.8	2558.3
47.5°	2749.9	2740.3	2740.3	2743.5	2721.1	2718.0	2679.6	2619.0	2532.8	2405.0	2242.1
50°	2398.5	2395.4	2401.8	2414.6	2398.5	2392.2	2366.7	2325.2	2248.5	2139.9	1986.5
52.5°	2082.4	2079.2	2085.6	2101.6	2095.1	2101.6	2076.1	2044.1	1993.0	1887.5	1753.4
55°	1772.6	1772.6	1772.6	1791.7	1791.7	1791.7	1778.9	1759.9	1711.9	1635.3	1510.8
57.5°	1450.0	1453.2	1472.4	1475.5	1472.4	1478.8	1475.5	1456.3	1424.5	1370.2	1274.4
60°	1178.6	1178.6	1188.2	1197.8	1194.5	1197.8	1197.8	1188.2	1156.2	1111.5	1034.9
62.5°	932.6	942.2	935.7	942.2	954.9	942.2	935.7	929.4	907.1	878.3	814.4
65°	705.8	712.3	712.3	715.4	709.0	712.3	699.5	689.9	677.2	645.2	603.7
67.5°	536.6	536.6	536.6	536.6	533.3	530.2	527.0	517.4	495.1	482.3	437.5
70°	412.0	392.8	392.8	392.8	392.8	396.1	386.5	373.7	367.3	345.0	313.0
72.5°	274.6	281.1	274.6	274.6	268.3	271.5	258.7	252.3	246.0	233.2	214.0
75°	198.0	182.1	188.4	191.7	182.1	188.4	175.6	162.9	162.9	153.3	143.7
77.5°	127.8	124.6	127.8	130.9	127.8	124.6	118.2	111.7	111.7	108.6	99.0
80°	92.7	89.4	89.4	89.4	86.2	89.4	83.1	83.1	76.6	73.5	67.0
82.5°	60.7	60.7	57.4	60.7	57.4	60.7	51.1	51.1	51.1	47.9	41.5
85°	41.5	35.1	35.1	38.4	31.9	38.4	35.1	31.9	28.8	28.8	25.5
87.5°	19.2	22.3	19.2	22.3	19.2	19.2	22.3	19.2	19.2	12.8	12.8
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°	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0
2.5°	6509.1	6512.2	6512.2	6525.1	6531.4	6534.6	6534.6	6560.2	6550.6	6557.1	6563.4
5°	6416.5	6435.6	6442.0	6442.0	6477.1	6489.9	6502.7	6531.4	6534.6	6553.8	6576.1
7.5°	6327.0	6349.4	6362.2	6390.9	6413.3	6435.6	6474.0	6493.2	6512.2	6537.9	6566.5
10°	6240.8	6266.4	6291.9	6314.3	6349.4	6378.2	6403.7	6448.4	6470.8	6505.9	6544.2
12.5°	6157.8	6192.9	6215.3	6253.5	6291.9	6317.4	6355.8	6397.3	6432.4	6467.6	6512.2
15°	6084.3	6125.9	6151.4	6192.9	6234.5	6269.6	6311.1	6362.2	6387.8	6429.3	6470.8
17.5°	6004.4	6049.2	6081.2	6119.4	6170.6	6208.8	6244.1	6295.1	6327.0	6371.7	6419.7
20°	5921.5	5966.2	6004.4	6042.8	6093.9	6132.2	6173.7	6224.9	6260.0	6304.7	6343.1
22.5°	5822.5	5864.0	5905.4	5950.1	6001.3	6033.2	6081.2	6125.9	6164.1	6205.7	6244.1
25°	5694.7	5745.8	5777.8	5819.2	5860.7	5895.8	5947.0	5991.7	6023.6	6062.0	6097.1
27.5°	5544.6	5582.9	5608.4	5643.5	5685.1	5717.0	5755.3	5800.1	5832.1	5867.2	5892.7
30°	5289.0	5324.2	5346.6	5372.1	5413.6	5442.4	5474.4	5515.8	5538.1	5563.7	5586.1
32.5°	4953.6	4982.4	4995.2	5014.4	5043.2	5071.8	5097.5	5132.6	5142.1	5158.1	5158.1
35°	4468.3	4474.6	4471.4	4477.9	4490.6	4506.5	4528.9	4551.2	4564.0	4564.0	4554.5
37.5°	3899.7	3861.4	3819.9	3788.0	3778.4	3771.9	3784.8	3794.3	3807.1	3813.5	3797.6
40°	3308.9	3222.7	3130.0	3046.9	2989.5	2963.9	2954.4	2960.7	2960.7	2983.0	2983.0
42.5°	2801.1	2666.8	2529.6	2405.0	2321.9	2258.1	2229.3	2229.3	2232.5	2248.5	2258.1
45°	2379.5	2210.1	2050.4	1913.2	1798.1	1715.1	1676.8	1667.2	1664.0	1670.4	1692.7
47.5°	2056.9	1881.2	1715.1	1545.9	1424.5	1341.4	1306.3	1293.5	1280.7	1293.5	1296.7
50°	1804.6	1622.5	1446.9	1277.6	1149.8	1076.3	1031.6	1012.4	1009.2	1009.2	1015.7
52.5°	1574.5	1405.3	1229.7	1057.2	923.0	852.8	811.3	801.7	788.9	801.7	801.7
55°	1357.3	1188.2	1015.7	852.8	740.9	667.6	629.2	616.4	610.0	619.6	619.6
57.5°	1121.1	977.3	817.7	670.7	559.0	507.8	479.0	463.1	459.9	466.3	459.9
60°	919.8	798.5	661.1	527.0	440.8	386.5	364.2	357.7	351.3	357.7	357.7
62.5°	728.2	626.0	514.1	412.0	338.5	300.3	274.6	274.6	271.5	271.5	274.6
65°	539.8	459.9	380.1	293.8	236.4	207.6	188.4	188.4	185.2	188.4	185.2
67.5°	392.8	338.5	274.6	214.0	169.3	153.3	140.5	130.9	137.4	130.9	127.8
70°	287.5	242.7	198.0	162.9	130.9	115.0	105.4	102.1	95.8	95.8	95.8
72.5°	191.7	162.9	134.1	105.4	86.2	70.2	67.0	60.7	54.3	57.4	63.9
75°	127.8	108.6	95.8	76.6	57.4	57.4	38.4	38.4	31.9	38.4	28.8
77.5°	89.4	73.5	57.4	47.9	38.4	35.1	25.5	25.5	22.3	22.3	22.3
80°	63.9	54.3	41.5	35.1	25.5	25.5	22.3	19.2	15.9	15.9	19.2
82.5°	38.4	28.8	28.8	25.5	15.9	12.8	9.6	12.8	6.4	6.4	6.4
85°	22.3	19.2	15.9	9.6	6.4	6.4	3.2	0.0	3.2	3.2	0.0
87.5°	12.8	6.4	6.4	3.2	0.0	3.2	3.2	0.0	0.0	0.0	6.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0
2.5°	6579.4	6576.1	6582.6	6582.6	6601.8	6598.5	6608.1	6608.1	6601.8	6604.9	6617.7
5°	6601.8	6611.4	6630.4	6646.5	6675.1	6688.0	6703.9	6720.0	6723.1	6732.7	6742.3
7.5°	6601.8	6633.7	6656.1	6684.7	6723.1	6745.5	6780.6	6809.4	6822.1	6838.0	6857.2
10°	6588.9	6620.8	6662.4	6694.3	6742.3	6777.4	6812.5	6857.2	6876.4	6901.9	6927.5
12.5°	6563.4	6598.5	6643.2	6684.7	6739.0	6771.0	6815.7	6857.2	6886.0	6921.1	6949.9
15°	6525.1	6566.5	6608.1	6649.6	6707.1	6745.5	6787.0	6834.9	6863.6	6901.9	6927.5
17.5°	6464.4	6509.1	6547.5	6585.7	6640.0	6684.7	6723.1	6767.8	6796.6	6828.5	6863.6
20°	6390.9	6432.4	6474.0	6505.9	6560.2	6598.5	6640.0	6681.6	6703.9	6710.4	6764.7
22.5°	6298.4	6327.0	6359.0	6410.1	6442.0	6477.1	6515.5	6553.8	6576.1	6611.4	6630.4
25°	6144.9	6173.7	6208.8	6231.2	6269.6	6298.4	6336.6	6378.2	6390.9	6416.5	6435.6
27.5°	5931.1	5947.0	5963.0	5982.1	6004.4	6020.4	6042.8	6062.0	6074.7	6087.5	6100.2
30°	5592.4	5592.4	5592.4	5579.7	5589.3	5598.8	5602.0	5598.8	5598.8	5595.7	5595.7
32.5°	5145.3	5119.8	5091.0	5065.5	5055.9	5043.2	5036.7	5027.1	5011.2	5001.6	5004.8
35°	4541.6	4484.2	4449.1	4417.1	4391.6	4372.4	4362.8	4353.2	4350.1	4337.3	4324.5
37.5°	3788.0	3746.4	3720.9	3701.7	3679.4	3660.2	3663.3	3666.6	3676.1	3669.8	3672.9
40°	2989.5	2979.9	2989.5	2967.1	2960.7	2967.1	2983.0	3005.5	3018.2	3031.0	3053.3
42.5°	2274.0	2289.9	2312.4	2312.4	2321.9	2334.8	2353.8	2389.1	2408.1	2430.5	2456.1
45°	1711.9	1731.1	1759.9	1769.4	1775.8	1791.7	1814.2	1842.8	1855.6	1874.8	1897.1
47.5°	1319.1	1331.8	1347.8	1363.8	1379.7	1386.1	1408.5	1408.5	1424.5	1437.3	1443.6
50°	1028.4	1041.2	1053.9	1063.5	1070.0	1079.6	1085.9	1095.5	1098.6	1105.1	1108.2
52.5°	804.8	820.9	820.9	827.2	836.8	846.4	843.2	846.4	849.5	849.5	859.1
55°	629.2	629.2	638.8	638.8	645.2	641.9	645.2	645.2	645.2	645.2	648.4
57.5°	469.5	472.7	482.3	475.9	472.7	479.0	472.7	479.0	475.9	482.3	472.7
60°	360.9	360.9	364.2	364.2	367.3	367.3	367.3	364.2	364.2	360.9	360.9
62.5°	271.5	274.6	277.9	274.6	274.6	274.6	271.5	271.5	268.3	265.0	265.0
65°	182.1	178.9	185.2	178.9	182.1	182.1	178.9	182.1	172.5	175.6	172.5
67.5°	130.9	127.8	124.6	127.8	124.6	121.3	121.3	124.6	127.8	118.2	118.2
70°	86.2	89.4	86.2	89.4	92.7	92.7	89.4	86.2	89.4	83.1	86.2
72.5°	54.3	54.3	54.3	54.3	54.3	57.4	57.4	57.4	51.1	51.1	47.9
75°	25.5	35.1	28.8	25.5	35.1	35.1	31.9	31.9	28.8	28.8	28.8
77.5°	25.5	19.2	19.2	19.2	19.2	19.2	19.2	19.2	15.9	19.2	15.9
80°	12.8	12.8	12.8	9.6	12.8	12.8	15.9	12.8	12.8	9.6	15.9
82.5°	6.4	6.4	6.4	0.0	3.2	6.4	6.4	3.2	6.4	6.4	3.2
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: P248582

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0
2.5°	6614.5	6611.4	6614.5	6617.7	6614.5	6611.4	6614.5	6617.7	6604.9	6601.8	6608.1
5°	6755.1	6755.1	6761.4	6764.7	6761.4	6755.1	6755.1	6742.3	6732.7	6723.1	6720.0
7.5°	6876.4	6882.8	6889.1	6892.3	6889.1	6882.8	6876.4	6857.2	6838.0	6822.1	6809.4
10°	6949.9	6959.5	6972.2	6978.5	6972.2	6959.5	6949.9	6927.5	6901.9	6876.4	6857.2
12.5°	6981.8	6991.4	7007.3	7004.2	7007.3	6991.4	6981.8	6949.9	6921.1	6886.0	6857.2
15°	6959.5	6972.2	6988.1	6994.6	6988.1	6972.2	6959.5	6927.5	6901.9	6863.6	6834.9
17.5°	6889.1	6908.3	6917.9	6927.5	6917.9	6908.3	6889.1	6863.6	6828.5	6796.6	6767.8
20°	6793.3	6806.2	6818.9	6822.1	6818.9	6806.2	6793.3	6764.7	6710.4	6703.9	6681.6
22.5°	6656.1	6665.7	6694.3	6684.7	6694.3	6665.7	6656.1	6630.4	6611.4	6576.1	6553.8
25°	6458.0	6467.6	6470.8	6474.0	6470.8	6467.6	6458.0	6435.6	6416.5	6390.9	6378.2
27.5°	6116.3	6116.3	6122.6	6125.9	6122.6	6116.3	6116.3	6100.2	6087.5	6074.7	6062.0
30°	5598.8	5598.8	5598.8	5614.9	5598.8	5598.8	5598.8	5595.7	5595.7	5598.8	5598.8
32.5°	5001.6	4995.2	4988.9	4995.2	4988.9	4995.2	5001.6	5004.8	5001.6	5011.2	5027.1
35°	4324.5	4321.3	4330.9	4318.1	4330.9	4321.3	4324.5	4324.5	4337.3	4350.1	4353.2
37.5°	3676.1	3669.8	3682.5	3669.8	3682.5	3669.8	3676.1	3672.9	3669.8	3676.1	3666.6
40°	3059.8	3066.1	3066.1	3091.7	3066.1	3066.1	3059.8	3053.3	3031.0	3018.2	3005.5
42.5°	2468.9	2488.1	2481.6	2500.8	2481.6	2488.1	2468.9	2456.1	2430.5	2408.1	2389.1
45°	1909.9	1922.8	1922.8	1929.1	1922.8	1922.8	1909.9	1897.1	1874.8	1855.6	1842.8
47.5°	1465.9	1465.9	1465.9	1469.2	1465.9	1465.9	1465.9	1443.6	1437.3	1424.5	1408.5
50°	1114.7	1117.8	1121.1	1124.3	1121.1	1117.8	1114.7	1108.2	1105.1	1098.6	1095.5
52.5°	856.0	859.1	852.8	859.1	852.8	859.1	856.0	859.1	849.5	849.5	846.4
55°	648.4	645.2	648.4	651.5	648.4	645.2	648.4	648.4	645.2	645.2	645.2
57.5°	475.9	469.5	469.5	469.5	469.5	469.5	475.9	472.7	482.3	475.9	479.0
60°	354.6	357.7	357.7	360.9	357.7	357.7	354.6	360.9	360.9	364.2	364.2
62.5°	261.9	271.5	265.0	271.5	265.0	271.5	261.9	265.0	265.0	268.3	271.5
65°	169.3	169.3	169.3	172.5	169.3	169.3	169.3	172.5	175.6	172.5	182.1
67.5°	115.0	118.2	124.6	121.3	124.6	118.2	115.0	118.2	118.2	127.8	124.6
70°	92.7	83.1	83.1	92.7	83.1	83.1	92.7	86.2	83.1	89.4	86.2
72.5°	54.3	47.9	54.3	54.3	54.3	47.9	54.3	47.9	51.1	51.1	57.4
75°	28.8	25.5	22.3	31.9	22.3	25.5	28.8	28.8	28.8	28.8	31.9
77.5°	19.2	15.9	22.3	22.3	22.3	15.9	19.2	15.9	19.2	15.9	19.2
80°	9.6	12.8	9.6	15.9	9.6	12.8	9.6	15.9	9.6	12.8	12.8
82.5°	3.2	6.4	6.4	6.4	6.4	6.4	3.2	3.2	6.4	6.4	3.2
85°	0.0	6.4	3.2	3.2	3.2	6.4	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	0.0	0.0	3.2	0.0	0.0	3.2	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: P248582

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0
2.5°	6608.1	6598.5	6601.8	6582.6	6582.6	6576.1	6579.4	6563.4	6557.1	6550.6	6560.2
5°	6703.9	6688.0	6675.1	6646.5	6630.4	6611.4	6601.8	6576.1	6553.8	6534.6	6531.4
7.5°	6780.6	6745.5	6723.1	6684.7	6656.1	6633.7	6601.8	6566.5	6537.9	6512.2	6493.2
10°	6812.5	6777.4	6742.3	6694.3	6662.4	6620.8	6588.9	6544.2	6505.9	6470.8	6448.4
12.5°	6815.7	6771.0	6739.0	6684.7	6643.2	6598.5	6563.4	6512.2	6467.6	6432.4	6397.3
15°	6787.0	6745.5	6707.1	6649.6	6608.1	6566.5	6525.1	6470.8	6429.3	6387.8	6362.2
17.5°	6723.1	6684.7	6640.0	6585.7	6547.5	6509.1	6464.4	6419.7	6371.7	6327.0	6295.1
20°	6640.0	6598.5	6560.2	6505.9	6474.0	6432.4	6390.9	6343.1	6304.7	6260.0	6224.9
22.5°	6515.5	6477.1	6442.0	6410.1	6359.0	6327.0	6298.4	6244.1	6205.7	6164.1	6125.9
25°	6336.6	6298.4	6269.6	6231.2	6208.8	6173.7	6144.9	6097.1	6062.0	6023.6	5991.7
27.5°	6042.8	6020.4	6004.4	5982.1	5963.0	5947.0	5931.1	5892.7	5867.2	5832.1	5800.1
30°	5602.0	5598.8	5589.3	5579.7	5592.4	5592.4	5592.4	5586.1	5563.7	5538.1	5515.8
32.5°	5036.7	5043.2	5055.9	5065.5	5091.0	5119.8	5145.3	5158.1	5158.1	5142.1	5132.6
35°	4362.8	4372.4	4391.6	4417.1	4449.1	4484.2	4541.6	4554.5	4564.0	4564.0	4551.2
37.5°	3663.3	3660.2	3679.4	3701.7	3720.9	3746.4	3788.0	3797.6	3813.5	3807.1	3794.3
40°	2983.0	2967.1	2960.7	2967.1	2989.5	2979.9	2989.5	2983.0	2983.0	2960.7	2960.7
42.5°	2353.8	2334.8	2321.9	2312.4	2312.4	2289.9	2274.0	2258.1	2248.5	2232.5	2229.3
45°	1814.2	1791.7	1775.8	1769.4	1759.9	1731.1	1711.9	1692.7	1670.4	1664.0	1667.2
47.5°	1408.5	1386.1	1379.7	1363.8	1347.8	1331.8	1319.1	1296.7	1293.5	1280.7	1293.5
50°	1085.9	1079.6	1070.0	1063.5	1053.9	1041.2	1028.4	1015.7	1009.2	1009.2	1012.4
52.5°	843.2	846.4	836.8	827.2	820.9	820.9	804.8	801.7	801.7	788.9	801.7
55°	645.2	641.9	645.2	638.8	638.8	629.2	629.2	619.6	619.6	610.0	616.4
57.5°	472.7	479.0	472.7	475.9	482.3	472.7	469.5	459.9	466.3	459.9	463.1
60°	367.3	367.3	367.3	364.2	364.2	360.9	360.9	357.7	357.7	351.3	357.7
62.5°	271.5	274.6	274.6	274.6	277.9	274.6	271.5	274.6	271.5	271.5	274.6
65°	178.9	182.1	182.1	178.9	185.2	178.9	182.1	185.2	188.4	185.2	188.4
67.5°	121.3	121.3	124.6	127.8	124.6	127.8	130.9	127.8	130.9	137.4	130.9
70°	89.4	92.7	92.7	89.4	86.2	89.4	86.2	95.8	95.8	95.8	102.1
72.5°	57.4	57.4	54.3	54.3	54.3	54.3	54.3	63.9	57.4	54.3	60.7
75°	31.9	35.1	35.1	25.5	28.8	35.1	25.5	28.8	38.4	31.9	38.4
77.5°	19.2	19.2	19.2	19.2	19.2	19.2	25.5	22.3	22.3	22.3	25.5
80°	15.9	12.8	12.8	9.6	12.8	12.8	12.8	19.2	15.9	15.9	19.2
82.5°	6.4	6.4	3.2	0.0	6.4	6.4	6.4	6.4	6.4	6.4	12.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	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: P248582

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0
2.5°	6534.6	6534.6	6531.4	6525.1	6512.2	6512.2	6509.1	6499.5	6493.2	6489.9	6489.9
5°	6502.7	6489.9	6477.1	6442.0	6442.0	6435.6	6416.5	6403.7	6397.3	6381.3	6375.0
7.5°	6474.0	6435.6	6413.3	6390.9	6362.2	6349.4	6327.0	6317.4	6295.1	6279.2	6269.6
10°	6403.7	6378.2	6349.4	6314.3	6291.9	6266.4	6240.8	6221.7	6192.9	6176.9	6164.1
12.5°	6355.8	6317.4	6291.9	6253.5	6215.3	6192.9	6157.8	6135.5	6106.7	6074.7	6055.5
15°	6311.1	6269.6	6234.5	6192.9	6151.4	6125.9	6084.3	6058.8	6017.3	5985.3	5963.0
17.5°	6244.1	6208.8	6170.6	6119.4	6081.2	6049.2	6004.4	5972.6	5934.2	5892.7	5870.3
20°	6173.7	6132.2	6093.9	6042.8	6004.4	5966.2	5921.5	5886.4	5841.5	5803.3	5777.8
22.5°	6081.2	6033.2	6001.3	5950.1	5905.4	5864.0	5822.5	5780.9	5739.4	5707.4	5678.6
25°	5947.0	5895.8	5860.7	5819.2	5777.8	5745.8	5694.7	5669.2	5627.6	5598.8	5570.1
27.5°	5755.3	5717.0	5685.1	5643.5	5608.4	5582.9	5544.6	5519.0	5483.8	5458.3	5436.0
30°	5474.4	5442.4	5413.6	5372.1	5346.6	5324.2	5289.0	5266.6	5241.1	5212.3	5206.0
32.5°	5097.5	5071.8	5043.2	5014.4	4995.2	4982.4	4953.6	4940.9	4915.4	4899.3	4883.4
35°	4528.9	4506.5	4490.6	4477.9	4471.4	4474.6	4468.3	4481.0	4487.3	4484.2	4487.3
37.5°	3784.8	3771.9	3778.4	3788.0	3819.9	3861.4	3899.7	3957.1	3995.5	4033.9	4069.0
40°	2954.4	2963.9	2989.5	3046.9	3130.0	3222.7	3308.9	3417.5	3526.1	3602.7	3672.9
42.5°	2229.3	2258.1	2321.9	2405.0	2529.6	2666.8	2801.1	2960.7	3091.7	3219.4	3308.9
45°	1676.8	1715.1	1798.1	1913.2	2050.4	2210.1	2379.5	2558.3	2714.8	2845.8	2944.8
47.5°	1306.3	1341.4	1424.5	1545.9	1715.1	1881.2	2056.9	2242.1	2405.0	2532.8	2619.0
50°	1031.6	1076.3	1149.8	1277.6	1446.9	1622.5	1804.6	1986.5	2139.9	2248.5	2325.2
52.5°	811.3	852.8	923.0	1057.2	1229.7	1405.3	1574.5	1753.4	1887.5	1993.0	2044.1
55°	629.2	667.6	740.9	852.8	1015.7	1188.2	1357.3	1510.8	1635.3	1711.9	1759.9
57.5°	479.0	507.8	559.0	670.7	817.7	977.3	1121.1	1274.4	1370.2	1424.5	1456.3
60°	364.2	386.5	440.8	527.0	661.1	798.5	919.8	1034.9	1111.5	1156.2	1188.2
62.5°	274.6	300.3	338.5	412.0	514.1	626.0	728.2	814.4	878.3	907.1	929.4
65°	188.4	207.6	236.4	293.8	380.1	459.9	539.8	603.7	645.2	677.2	689.9
67.5°	140.5	153.3	169.3	214.0	274.6	338.5	392.8	437.5	482.3	495.1	517.4
70°	105.4	115.0	130.9	162.9	198.0	242.7	287.5	313.0	345.0	367.3	373.7
72.5°	67.0	70.2	86.2	105.4	134.1	162.9	191.7	214.0	233.2	246.0	252.3
75°	38.4	57.4	57.4	76.6	95.8	108.6	127.8	143.7	153.3	162.9	162.9
77.5°	25.5	35.1	38.4	47.9	57.4	73.5	89.4	99.0	108.6	111.7	111.7
80°	22.3	25.5	25.5	35.1	41.5	54.3	63.9	67.0	73.5	76.6	83.1
82.5°	9.6	12.8	15.9	25.5	28.8	28.8	38.4	41.5	47.9	51.1	51.1
85°	3.2	6.4	6.4	9.6	15.9	19.2	22.3	25.5	28.8	28.8	31.9
87.5°	3.2	3.2	0.0	3.2	6.4	6.4	12.8	12.8	12.8	19.2	19.2
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: P248582

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0	6541.0
2.5°	6483.6	6486.7	6474.0	6470.8	6464.4	6467.6	6474.0
5°	6365.4	6368.6	6355.8	6343.1	6343.1	6339.8	6343.1
7.5°	6253.5	6256.8	6237.6	6231.2	6218.4	6221.7	6221.7
10°	6141.8	6141.8	6113.1	6109.8	6100.2	6097.1	6097.1
12.5°	6033.2	6023.6	6001.3	5988.5	5994.9	5975.7	5975.7
15°	5937.4	5921.5	5892.7	5883.1	5867.2	5860.7	5860.7
17.5°	5838.4	5825.6	5800.1	5780.9	5761.7	5758.6	5761.7
20°	5742.5	5729.8	5697.8	5685.1	5669.2	5669.2	5662.7
22.5°	5646.7	5633.9	5605.3	5595.7	5573.3	5573.3	5576.5
25°	5547.7	5538.1	5506.2	5499.9	5496.7	5483.8	5490.3
27.5°	5413.6	5407.2	5381.7	5372.1	5359.3	5356.2	5362.5
30°	5167.7	5158.1	5139.0	5129.4	5107.0	5110.2	5116.5
32.5°	4861.1	4848.3	4822.7	4813.1	4794.0	4787.6	4790.7
35°	4477.9	4468.3	4445.9	4445.9	4426.7	4420.3	4426.7
37.5°	4088.2	4097.7	4088.2	4097.7	4088.2	4084.9	4088.2
40°	3720.9	3756.0	3762.3	3797.6	3784.8	3803.9	3800.7
42.5°	3369.5	3427.0	3449.4	3478.1	3471.8	3484.5	3494.1
45°	3015.0	3062.9	3085.3	3104.5	3107.6	3114.1	3117.2
47.5°	2679.6	2718.0	2721.1	2743.5	2740.3	2740.3	2749.9
50°	2366.7	2392.2	2398.5	2414.6	2401.8	2395.4	2398.5
52.5°	2076.1	2101.6	2095.1	2101.6	2085.6	2079.2	2082.4
55°	1778.9	1791.7	1791.7	1791.7	1772.6	1772.6	1772.6
57.5°	1475.5	1478.8	1472.4	1475.5	1472.4	1453.2	1450.0
60°	1197.8	1197.8	1194.5	1197.8	1188.2	1178.6	1178.6
62.5°	935.7	942.2	954.9	942.2	935.7	942.2	932.6
65°	699.5	712.3	709.0	715.4	712.3	712.3	705.8
67.5°	527.0	530.2	533.3	536.6	536.6	536.6	536.6
70°	386.5	396.1	392.8	392.8	392.8	392.8	412.0
72.5°	258.7	271.5	268.3	274.6	274.6	281.1	274.6
75°	175.6	188.4	182.1	191.7	188.4	182.1	198.0
77.5°	118.2	124.6	127.8	130.9	127.8	124.6	127.8
80°	83.1	89.4	86.2	89.4	89.4	89.4	92.7
82.5°	51.1	60.7	57.4	60.7	57.4	60.7	60.7
85°	35.1	38.4	31.9	38.4	35.1	35.1	41.5
87.5°	22.3	19.2	19.2	22.3	19.2	22.3	19.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)