

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: P248654

Luminaire Tested: **LD8B100D010 ER8B100827 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248654
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 ER8B100827 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10115.0 lumens
Efficiency: N/A
Efficacy: 95.2 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

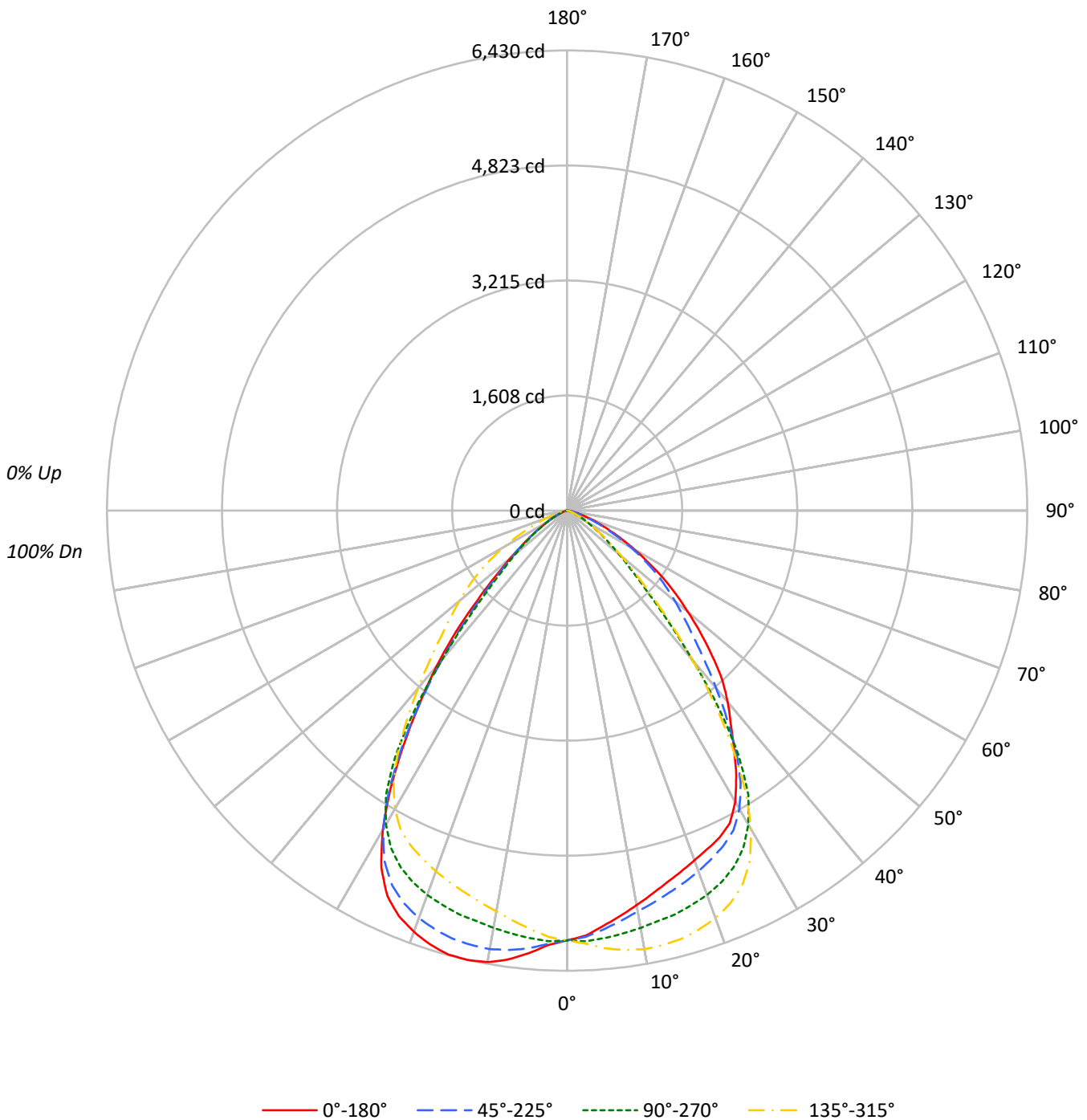
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

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	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	185172	185172	185172	185172
5°	180252	185604	192231	185604
10°	175266	185364	200604	185364
15°	171764	186462	204994	186462
20°	170594	187530	205522	187530
25°	171492	187153	202219	187153
30°	167252	180302	183542	180302
35°	152982	157285	149229	157285
40°	140454	109410	114253	109410
45°	124801	66748	77232	66748
50°	105636	44586	49513	44586
55°	87491	30424	32155	30424
60°	66730	20253	20432	20253
65°	47281	12616	11550	12616
70°	34098	8457	7673	8457
75°	21660	4194	3491	4194
80°	15112	3125	2593	3125
85°	13480	0	1026	0



TEST NUMBER: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.6	5.7
10°-20°	1655.1	16.4
20°-30°	2506.2	24.8
30°-40°	2511.8	24.8
40°-50°	1577.3	15.6
50°-60°	840.5	8.3
60°-70°	345.6	3.4
70°-80°	91.3	0.9
80°-90°	15.4	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°	4732.9	46.8
0°-40°	7244.7	71.6
0°-60°	9662.6	95.5
0°-90°	10115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10115.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6005	6005	6005	6005	6005	
5°	5823	5996	6210	5996	5823	549
15°	5380	5841	6421	5841	5380	1522
25°	5040	5501	5943	5501	5040	2312
35°	4064	4178	3964	4178	4064	2546
45°	2862	1531	1771	1531	2862	2201
55°	1627	566	598	566	1627	1451
65°	648	173	158	173	648	672
75°	182	35	29	35	182	206
85°	38	0	3	0	38	42
90°	0	0	0	0	0	



TEST NUMBER: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0
2.5°	5943.4	5937.5	5934.6	5940.5	5943.4	5955.1	5952.2	5958.0	5958.0	5961.0	5966.8
5°	5823.2	5820.2	5823.2	5823.2	5834.9	5846.6	5843.7	5852.5	5858.3	5873.0	5878.8
7.5°	5711.8	5711.8	5708.8	5720.5	5726.4	5744.0	5741.0	5755.7	5764.5	5779.1	5799.7
10°	5597.4	5597.4	5600.3	5609.1	5612.1	5638.4	5638.4	5658.9	5670.6	5685.4	5711.8
12.5°	5486.0	5486.0	5503.6	5497.7	5509.4	5529.9	5538.7	5559.3	5576.9	5606.2	5632.6
15°	5380.4	5380.4	5386.3	5400.9	5409.7	5436.2	5450.8	5474.3	5494.8	5524.1	5562.3
17.5°	5289.5	5286.6	5289.5	5307.1	5324.8	5348.2	5359.9	5389.2	5409.7	5447.9	5483.1
20°	5198.6	5204.6	5204.6	5219.2	5230.9	5260.2	5271.9	5304.2	5327.7	5362.8	5403.9
22.5°	5119.5	5116.6	5116.6	5137.1	5145.9	5172.2	5183.9	5213.2	5239.7	5269.0	5307.1
25°	5040.3	5034.4	5046.2	5049.1	5054.9	5084.2	5093.0	5113.6	5140.0	5166.4	5204.6
27.5°	4923.0	4917.2	4920.1	4931.8	4940.6	4964.0	4969.9	4990.5	5011.0	5034.4	5066.7
30°	4697.2	4691.4	4688.5	4709.0	4717.8	4735.3	4744.1	4779.4	4785.2	4811.6	4835.0
32.5°	4398.1	4395.2	4401.1	4418.6	4427.4	4451.0	4462.7	4483.2	4497.8	4512.5	4535.9
35°	4063.9	4058.0	4063.9	4081.5	4081.5	4102.1	4110.9	4119.6	4116.7	4119.6	4113.8
37.5°	3753.2	3750.1	3753.2	3761.8	3753.2	3761.8	3753.2	3735.5	3703.3	3668.1	3632.8
40°	3489.2	3492.1	3474.6	3486.3	3454.0	3448.2	3416.0	3371.9	3307.5	3237.1	3137.4
42.5°	3207.8	3199.0	3187.3	3193.0	3166.7	3146.1	3093.4	3037.7	2955.5	2838.3	2718.0
45°	2861.8	2858.9	2852.9	2850.0	2832.4	2811.9	2767.9	2703.4	2612.5	2492.3	2348.6
47.5°	2524.6	2515.7	2515.7	2518.6	2498.1	2495.2	2460.0	2404.3	2325.2	2207.9	2058.3
50°	2202.0	2199.1	2205.0	2216.7	2202.0	2196.2	2172.7	2134.6	2064.2	1964.6	1823.7
52.5°	1911.7	1908.8	1914.7	1929.3	1923.4	1929.3	1905.9	1876.6	1829.6	1732.8	1609.7
55°	1627.4	1627.4	1627.4	1644.9	1644.9	1644.9	1633.2	1615.7	1571.6	1501.2	1386.9
57.5°	1331.2	1334.1	1351.7	1354.6	1351.7	1357.6	1354.6	1337.0	1307.8	1257.9	1170.0
60°	1082.0	1082.0	1090.8	1099.6	1096.6	1099.6	1099.6	1090.8	1061.5	1020.4	950.1
62.5°	856.2	865.0	859.1	865.0	876.7	865.0	859.1	853.3	832.7	806.3	747.7
65°	648.0	653.9	653.9	656.8	650.9	653.9	642.2	633.4	621.7	592.3	554.2
67.5°	492.6	492.6	492.6	492.6	489.6	486.7	483.8	475.0	454.5	442.8	401.6
70°	378.2	360.6	360.6	360.6	360.6	363.6	354.8	343.1	337.2	316.7	287.4
72.5°	252.1	258.0	252.1	252.1	246.3	249.2	237.5	231.6	225.8	214.1	196.5
75°	181.8	167.2	172.9	176.0	167.2	172.9	161.2	149.5	149.5	140.7	131.9
77.5°	117.3	114.4	117.3	120.2	117.3	114.4	108.5	102.6	102.6	99.7	90.9
80°	85.1	82.1	82.1	82.1	79.2	82.1	76.3	76.3	70.4	67.5	61.6
82.5°	55.8	55.8	52.7	55.8	52.7	55.8	46.9	46.9	46.9	43.9	38.1
85°	38.1	32.2	32.2	35.2	29.3	35.2	32.2	29.3	26.4	26.4	23.4
87.5°	17.6	20.5	17.6	20.5	17.6	17.6	20.5	17.6	17.6	11.7	11.7
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: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0
2.5°	5975.6	5978.5	5978.5	5990.4	5996.1	5999.0	5999.0	6022.6	6013.8	6019.7	6025.5
5°	5890.7	5908.2	5914.1	5914.1	5946.3	5958.0	5969.7	5996.1	5999.0	6016.7	6037.2
7.5°	5808.5	5829.0	5840.8	5867.1	5887.6	5908.2	5943.4	5961.0	5978.5	6002.1	6028.4
10°	5729.3	5752.8	5776.3	5796.8	5829.0	5855.4	5878.8	5919.9	5940.5	5972.7	6007.9
12.5°	5653.1	5685.4	5705.9	5741.0	5776.3	5799.7	5834.9	5873.0	5905.3	5937.5	5978.5
15°	5585.7	5623.8	5647.2	5685.4	5723.5	5755.7	5793.9	5840.8	5864.2	5902.4	5940.5
17.5°	5512.3	5553.5	5582.8	5617.9	5664.9	5700.0	5732.3	5779.1	5808.5	5849.5	5893.6
20°	5436.2	5477.2	5512.3	5547.5	5594.5	5629.6	5667.8	5714.7	5746.9	5788.0	5823.2
22.5°	5345.3	5383.4	5421.4	5462.5	5509.4	5538.7	5582.8	5623.8	5658.9	5697.1	5732.3
25°	5228.0	5274.9	5304.2	5342.3	5380.4	5412.6	5459.6	5500.6	5529.9	5565.2	5597.4
27.5°	5090.1	5125.4	5148.8	5181.0	5219.2	5248.5	5283.6	5324.8	5354.1	5386.3	5409.7
30°	4855.5	4887.9	4908.4	4931.8	4969.9	4996.4	5025.7	5063.7	5084.2	5107.8	5128.3
32.5°	4547.6	4574.1	4585.8	4603.4	4629.8	4656.1	4679.7	4711.9	4720.7	4735.3	4735.3
35°	4102.1	4107.9	4105.0	4110.9	4122.6	4137.2	4157.7	4178.2	4189.9	4189.9	4181.2
37.5°	3580.1	3545.0	3506.8	3477.5	3468.7	3462.8	3474.6	3483.3	3495.1	3500.9	3486.3
40°	3037.7	2958.5	2873.5	2797.2	2744.4	2721.0	2712.2	2718.0	2718.0	2738.5	2738.5
42.5°	2571.5	2448.3	2322.3	2207.9	2131.6	2073.1	2046.6	2046.6	2049.5	2064.2	2073.1
45°	2184.5	2029.0	1882.4	1756.4	1650.8	1574.5	1539.4	1530.6	1527.7	1533.5	1554.0
47.5°	1888.3	1727.0	1574.5	1419.2	1307.8	1231.5	1199.3	1187.4	1175.7	1187.4	1190.5
50°	1656.7	1489.5	1328.3	1172.8	1055.5	988.1	947.0	929.4	926.5	926.5	932.4
52.5°	1445.5	1290.2	1128.9	970.6	847.4	782.9	744.8	736.0	724.2	736.0	736.0
55°	1246.1	1090.8	932.4	782.9	680.2	612.9	577.6	565.9	560.0	568.8	568.8
57.5°	1029.2	897.2	750.7	615.8	513.2	466.2	439.8	425.2	422.2	428.1	422.2
60°	844.5	733.1	606.9	483.8	404.7	354.8	334.3	328.4	322.5	328.4	328.4
62.5°	668.5	574.7	472.0	378.2	310.8	275.7	252.1	252.1	249.2	249.2	252.1
65°	495.5	422.2	348.9	269.7	217.0	190.6	172.9	172.9	170.0	172.9	170.0
67.5°	360.6	310.8	252.1	196.5	155.4	140.7	129.0	120.2	126.1	120.2	117.3
70°	263.9	222.8	181.8	149.5	120.2	105.6	96.8	93.8	88.0	88.0	88.0
72.5°	176.0	149.5	123.1	96.8	79.2	64.4	61.6	55.8	49.8	52.7	58.7
75°	117.3	99.7	88.0	70.4	52.7	52.7	35.2	35.2	29.3	35.2	26.4
77.5°	82.1	67.5	52.7	43.9	35.2	32.2	23.4	23.4	20.5	20.5	20.5
80°	58.7	49.8	38.1	32.2	23.4	23.4	20.5	17.6	14.6	14.6	17.6
82.5°	35.2	26.4	26.4	23.4	14.6	11.7	8.8	11.7	5.9	5.9	5.9
85°	20.5	17.6	14.6	8.8	5.9	5.9	2.9	0.0	2.9	2.9	0.0
87.5°	11.7	5.9	5.9	2.9	0.0	2.9	2.9	0.0	0.0	0.0	5.9
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: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0
2.5°	6040.2	6037.2	6043.1	6043.1	6060.7	6057.7	6066.5	6066.5	6060.7	6063.6	6075.3
5°	6060.7	6069.5	6087.0	6101.7	6128.1	6139.9	6154.5	6169.2	6172.1	6180.9	6189.7
7.5°	6060.7	6090.0	6110.6	6136.9	6172.1	6192.6	6224.8	6251.3	6263.0	6277.6	6295.2
10°	6048.9	6078.2	6116.4	6145.7	6189.7	6222.0	6254.2	6295.2	6312.8	6336.2	6359.8
12.5°	6025.5	6057.7	6098.7	6136.9	6186.7	6216.0	6257.1	6295.2	6321.6	6353.9	6380.3
15°	5990.4	6028.4	6066.5	6104.6	6157.4	6192.6	6230.8	6274.7	6301.1	6336.2	6359.8
17.5°	5934.6	5975.6	6010.9	6046.0	6095.8	6136.9	6172.1	6213.1	6239.6	6268.9	6301.1
20°	5867.1	5905.3	5943.4	5972.7	6022.6	6057.7	6095.8	6134.0	6154.5	6160.4	6210.2
22.5°	5782.2	5808.5	5837.8	5884.7	5914.1	5946.3	5981.5	6016.7	6037.2	6069.5	6087.0
25°	5641.3	5667.8	5700.0	5720.5	5755.7	5782.2	5817.3	5855.4	5867.1	5890.7	5908.2
27.5°	5445.0	5459.6	5474.3	5491.8	5512.3	5527.0	5547.5	5565.2	5576.9	5588.6	5600.3
30°	5134.1	5134.1	5134.1	5122.4	5131.2	5140.0	5142.9	5140.0	5140.0	5137.1	5137.1
32.5°	4723.6	4700.2	4673.8	4650.4	4641.5	4629.8	4623.9	4615.1	4600.5	4591.7	4594.6
35°	4169.4	4116.7	4084.4	4055.1	4031.7	4014.1	4005.3	3996.5	3993.6	3981.9	3970.0
37.5°	3477.5	3439.4	3416.0	3398.3	3377.8	3360.2	3363.1	3366.1	3374.8	3369.0	3371.9
40°	2744.4	2735.6	2744.4	2723.9	2718.0	2723.9	2738.5	2759.2	2770.9	2782.6	2803.1
42.5°	2087.7	2102.3	2122.9	2122.9	2131.6	2143.4	2160.9	2193.3	2210.8	2231.3	2254.8
45°	1571.6	1589.2	1615.7	1624.3	1630.3	1644.9	1665.5	1691.8	1703.5	1721.1	1741.6
47.5°	1211.0	1222.7	1237.3	1252.0	1266.6	1272.5	1293.1	1293.1	1307.8	1319.5	1325.3
50°	944.1	955.8	967.6	976.4	982.3	991.1	996.9	1005.7	1008.6	1014.5	1017.4
52.5°	738.9	753.6	753.6	759.4	768.2	777.0	774.1	777.0	779.9	779.9	788.7
55°	577.6	577.6	586.4	586.4	592.3	589.3	592.3	592.3	592.3	592.3	595.2
57.5°	431.0	434.0	442.8	436.9	434.0	439.8	434.0	439.8	436.9	442.8	434.0
60°	331.3	331.3	334.3	334.3	337.2	337.2	337.2	334.3	334.3	331.3	331.3
62.5°	249.2	252.1	255.1	252.1	252.1	252.1	249.2	249.2	246.3	243.3	243.3
65°	167.2	164.3	170.0	164.3	167.2	167.2	164.3	167.2	158.3	161.2	158.3
67.5°	120.2	117.3	114.4	117.3	114.4	111.4	111.4	114.4	117.3	108.5	108.5
70°	79.2	82.1	79.2	82.1	85.1	85.1	82.1	79.2	82.1	76.3	79.2
72.5°	49.8	49.8	49.8	49.8	49.8	52.7	52.7	52.7	46.9	46.9	43.9
75°	23.4	32.2	26.4	23.4	32.2	32.2	29.3	29.3	26.4	26.4	26.4
77.5°	23.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6	14.6	17.6	14.6
80°	11.7	11.7	11.7	8.8	11.7	11.7	14.6	11.7	11.7	8.8	14.6
82.5°	5.9	5.9	5.9	0.0	2.9	5.9	5.9	2.9	5.9	5.9	2.9
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: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0
2.5°	6072.4	6069.5	6072.4	6075.3	6072.4	6069.5	6072.4	6075.3	6063.6	6060.7	6066.5
5°	6201.4	6201.4	6207.2	6210.2	6207.2	6201.4	6201.4	6189.7	6180.9	6172.1	6169.2
7.5°	6312.8	6318.7	6324.5	6327.4	6324.5	6318.7	6312.8	6295.2	6277.6	6263.0	6251.3
10°	6380.3	6389.1	6400.8	6406.6	6400.8	6389.1	6380.3	6359.8	6336.2	6312.8	6295.2
12.5°	6409.6	6418.4	6433.0	6430.1	6433.0	6418.4	6409.6	6380.3	6353.9	6321.6	6295.2
15°	6389.1	6400.8	6415.4	6421.3	6415.4	6400.8	6389.1	6359.8	6336.2	6301.1	6274.7
17.5°	6324.5	6342.2	6351.0	6359.8	6351.0	6342.2	6324.5	6301.1	6268.9	6239.6	6213.1
20°	6236.6	6248.4	6260.1	6263.0	6260.1	6248.4	6236.6	6210.2	6160.4	6154.5	6134.0
22.5°	6110.6	6119.4	6145.7	6136.9	6145.7	6119.4	6110.6	6087.0	6069.5	6037.2	6016.7
25°	5928.7	5937.5	5940.5	5943.4	5940.5	5937.5	5928.7	5908.2	5890.7	5867.1	5855.4
27.5°	5615.0	5615.0	5620.8	5623.8	5620.8	5615.0	5615.0	5600.3	5588.6	5576.9	5565.2
30°	5140.0	5140.0	5140.0	5154.7	5140.0	5140.0	5140.0	5137.1	5137.1	5140.0	5140.0
32.5°	4591.7	4585.8	4580.0	4585.8	4580.0	4585.8	4591.7	4594.6	4591.7	4600.5	4615.1
35°	3970.0	3967.1	3975.9	3964.2	3975.9	3967.1	3970.0	3970.0	3981.9	3993.6	3996.5
37.5°	3374.8	3369.0	3380.7	3369.0	3380.7	3369.0	3374.8	3371.9	3369.0	3374.8	3366.1
40°	2809.0	2814.8	2814.8	2838.3	2814.8	2814.8	2809.0	2803.1	2782.6	2770.9	2759.2
42.5°	2266.5	2284.1	2278.2	2295.8	2278.2	2284.1	2266.5	2254.8	2231.3	2210.8	2193.3
45°	1753.4	1765.2	1765.2	1771.0	1765.2	1765.2	1753.4	1741.6	1721.1	1703.5	1691.8
47.5°	1345.8	1345.8	1345.8	1348.8	1345.8	1345.8	1345.8	1325.3	1319.5	1307.8	1293.1
50°	1023.3	1026.2	1029.2	1032.1	1029.2	1026.2	1023.3	1017.4	1014.5	1008.6	1005.7
52.5°	785.8	788.7	782.9	788.7	782.9	788.7	785.8	788.7	779.9	779.9	777.0
55°	595.2	592.3	595.2	598.1	595.2	592.3	595.2	595.2	592.3	592.3	592.3
57.5°	436.9	431.0	431.0	431.0	431.0	431.0	436.9	434.0	442.8	436.9	439.8
60°	325.5	328.4	328.4	331.3	328.4	328.4	325.5	331.3	331.3	334.3	334.3
62.5°	240.4	249.2	243.3	249.2	243.3	249.2	240.4	243.3	243.3	246.3	249.2
65°	155.4	155.4	155.4	158.3	155.4	155.4	155.4	158.3	161.2	158.3	167.2
67.5°	105.6	108.5	114.4	111.4	114.4	108.5	105.6	108.5	108.5	117.3	114.4
70°	85.1	76.3	76.3	85.1	76.3	76.3	85.1	79.2	76.3	82.1	79.2
72.5°	49.8	43.9	49.8	49.8	49.8	43.9	49.8	43.9	46.9	46.9	52.7
75°	26.4	23.4	20.5	29.3	20.5	23.4	26.4	26.4	26.4	26.4	29.3
77.5°	17.6	14.6	20.5	20.5	20.5	14.6	17.6	14.6	17.6	14.6	17.6
80°	8.8	11.7	8.8	14.6	8.8	11.7	8.8	14.6	8.8	11.7	11.7
82.5°	2.9	5.9	5.9	5.9	5.9	5.9	2.9	2.9	5.9	5.9	2.9
85°	0.0	5.9	2.9	2.9	2.9	5.9	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.0	0.0	2.9	0.0	0.0	2.9	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: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0
2.5°	6066.5	6057.7	6060.7	6043.1	6043.1	6037.2	6040.2	6025.5	6019.7	6013.8	6022.6
5°	6154.5	6139.9	6128.1	6101.7	6087.0	6069.5	6060.7	6037.2	6016.7	5999.0	5996.1
7.5°	6224.8	6192.6	6172.1	6136.9	6110.6	6090.0	6060.7	6028.4	6002.1	5978.5	5961.0
10°	6254.2	6222.0	6189.7	6145.7	6116.4	6078.2	6048.9	6007.9	5972.7	5940.5	5919.9
12.5°	6257.1	6216.0	6186.7	6136.9	6098.7	6057.7	6025.5	5978.5	5937.5	5905.3	5873.0
15°	6230.8	6192.6	6157.4	6104.6	6066.5	6028.4	5990.4	5940.5	5902.4	5864.2	5840.8
17.5°	6172.1	6136.9	6095.8	6046.0	6010.9	5975.6	5934.6	5893.6	5849.5	5808.5	5779.1
20°	6095.8	6057.7	6022.6	5972.7	5943.4	5905.3	5867.1	5823.2	5788.0	5746.9	5714.7
22.5°	5981.5	5946.3	5914.1	5884.7	5837.8	5808.5	5782.2	5732.3	5697.1	5658.9	5623.8
25°	5817.3	5782.2	5755.7	5720.5	5700.0	5667.8	5641.3	5597.4	5565.2	5529.9	5500.6
27.5°	5547.5	5527.0	5512.3	5491.8	5474.3	5459.6	5445.0	5409.7	5386.3	5354.1	5324.8
30°	5142.9	5140.0	5131.2	5122.4	5134.1	5134.1	5134.1	5128.3	5107.8	5084.2	5063.7
32.5°	4623.9	4629.8	4641.5	4650.4	4673.8	4700.2	4723.6	4735.3	4735.3	4720.7	4711.9
35°	4005.3	4014.1	4031.7	4055.1	4084.4	4116.7	4169.4	4181.2	4189.9	4189.9	4178.2
37.5°	3363.1	3360.2	3377.8	3398.3	3416.0	3439.4	3477.5	3486.3	3500.9	3495.1	3483.3
40°	2738.5	2723.9	2718.0	2723.9	2744.4	2735.6	2744.4	2738.5	2738.5	2718.0	2718.0
42.5°	2160.9	2143.4	2131.6	2122.9	2122.9	2102.3	2087.7	2073.1	2064.2	2049.5	2046.6
45°	1665.5	1644.9	1630.3	1624.3	1615.7	1589.2	1571.6	1554.0	1533.5	1527.7	1530.6
47.5°	1293.1	1272.5	1266.6	1252.0	1237.3	1222.7	1211.0	1190.5	1187.4	1175.7	1187.4
50°	996.9	991.1	982.3	976.4	967.6	955.8	944.1	932.4	926.5	926.5	929.4
52.5°	774.1	777.0	768.2	759.4	753.6	753.6	738.9	736.0	736.0	724.2	736.0
55°	592.3	589.3	592.3	586.4	586.4	577.6	577.6	568.8	568.8	560.0	565.9
57.5°	434.0	439.8	434.0	436.9	442.8	434.0	431.0	422.2	428.1	422.2	425.2
60°	337.2	337.2	337.2	334.3	334.3	331.3	331.3	328.4	328.4	322.5	328.4
62.5°	249.2	252.1	252.1	252.1	255.1	252.1	249.2	252.1	249.2	249.2	252.1
65°	164.3	167.2	167.2	164.3	170.0	164.3	167.2	170.0	172.9	170.0	172.9
67.5°	111.4	111.4	114.4	117.3	114.4	117.3	120.2	117.3	120.2	126.1	120.2
70°	82.1	85.1	85.1	82.1	79.2	82.1	79.2	88.0	88.0	88.0	93.8
72.5°	52.7	52.7	49.8	49.8	49.8	49.8	49.8	58.7	52.7	49.8	55.8
75°	29.3	32.2	32.2	23.4	26.4	32.2	23.4	26.4	35.2	29.3	35.2
77.5°	17.6	17.6	17.6	17.6	17.6	17.6	23.4	20.5	20.5	20.5	23.4
80°	14.6	11.7	11.7	8.8	11.7	11.7	11.7	17.6	14.6	14.6	17.6
82.5°	5.9	5.9	2.9	0.0	5.9	5.9	5.9	5.9	5.9	5.9	11.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	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: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0
2.5°	5999.0	5999.0	5996.1	5990.4	5978.5	5978.5	5975.6	5966.8	5961.0	5958.0	5958.0
5°	5969.7	5958.0	5946.3	5914.1	5914.1	5908.2	5890.7	5878.8	5873.0	5858.3	5852.5
7.5°	5943.4	5908.2	5887.6	5867.1	5840.8	5829.0	5808.5	5799.7	5779.1	5764.5	5755.7
10°	5878.8	5855.4	5829.0	5796.8	5776.3	5752.8	5729.3	5711.8	5685.4	5670.6	5658.9
12.5°	5834.9	5799.7	5776.3	5741.0	5705.9	5685.4	5653.1	5632.6	5606.2	5576.9	5559.3
15°	5793.9	5755.7	5723.5	5685.4	5647.2	5623.8	5585.7	5562.3	5524.1	5494.8	5474.3
17.5°	5732.3	5700.0	5664.9	5617.9	5582.8	5553.5	5512.3	5483.1	5447.9	5409.7	5389.2
20°	5667.8	5629.6	5594.5	5547.5	5512.3	5477.2	5436.2	5403.9	5362.8	5327.7	5304.2
22.5°	5582.8	5538.7	5509.4	5462.5	5421.4	5383.4	5345.3	5307.1	5269.0	5239.7	5213.2
25°	5459.6	5412.6	5380.4	5342.3	5304.2	5274.9	5228.0	5204.6	5166.4	5140.0	5113.6
27.5°	5283.6	5248.5	5219.2	5181.0	5148.8	5125.4	5090.1	5066.7	5034.4	5011.0	4990.5
30°	5025.7	4996.4	4969.9	4931.8	4908.4	4887.9	4855.5	4835.0	4811.6	4785.2	4779.4
32.5°	4679.7	4656.1	4629.8	4603.4	4585.8	4574.1	4547.6	4535.9	4512.5	4497.8	4483.2
35°	4157.7	4137.2	4122.6	4110.9	4105.0	4107.9	4102.1	4113.8	4119.6	4116.7	4119.6
37.5°	3474.6	3462.8	3468.7	3477.5	3506.8	3545.0	3580.1	3632.8	3668.1	3703.3	3735.5
40°	2712.2	2721.0	2744.4	2797.2	2873.5	2958.5	3037.7	3137.4	3237.1	3307.5	3371.9
42.5°	2046.6	2073.1	2131.6	2207.9	2322.3	2448.3	2571.5	2718.0	2838.3	2955.5	3037.7
45°	1539.4	1574.5	1650.8	1756.4	1882.4	2029.0	2184.5	2348.6	2492.3	2612.5	2703.4
47.5°	1199.3	1231.5	1307.8	1419.2	1574.5	1727.0	1888.3	2058.3	2207.9	2325.2	2404.3
50°	947.0	988.1	1055.5	1172.8	1328.3	1489.5	1656.7	1823.7	1964.6	2064.2	2134.6
52.5°	744.8	782.9	847.4	970.6	1128.9	1290.2	1445.5	1609.7	1732.8	1829.6	1876.6
55°	577.6	612.9	680.2	782.9	932.4	1090.8	1246.1	1386.9	1501.2	1571.6	1615.7
57.5°	439.8	466.2	513.2	615.8	750.7	897.2	1029.2	1170.0	1257.9	1307.8	1337.0
60°	334.3	354.8	404.7	483.8	606.9	733.1	844.5	950.1	1020.4	1061.5	1090.8
62.5°	252.1	275.7	310.8	378.2	472.0	574.7	668.5	747.7	806.3	832.7	853.3
65°	172.9	190.6	217.0	269.7	348.9	422.2	495.5	554.2	592.3	621.7	633.4
67.5°	129.0	140.7	155.4	196.5	252.1	310.8	360.6	401.6	442.8	454.5	475.0
70°	96.8	105.6	120.2	149.5	181.8	222.8	263.9	287.4	316.7	337.2	343.1
72.5°	61.6	64.4	79.2	96.8	123.1	149.5	176.0	196.5	214.1	225.8	231.6
75°	35.2	52.7	52.7	70.4	88.0	99.7	117.3	131.9	140.7	149.5	149.5
77.5°	23.4	32.2	35.2	43.9	52.7	67.5	82.1	90.9	99.7	102.6	102.6
80°	20.5	23.4	23.4	32.2	38.1	49.8	58.7	61.6	67.5	70.4	76.3
82.5°	8.8	11.7	14.6	23.4	26.4	26.4	35.2	38.1	43.9	46.9	46.9
85°	2.9	5.9	5.9	8.8	14.6	17.6	20.5	23.4	26.4	26.4	29.3
87.5°	2.9	2.9	0.0	2.9	5.9	5.9	11.7	11.7	11.7	17.6	17.6
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: P248654

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0	6005.0
2.5°	5952.2	5955.1	5943.4	5940.5	5934.6	5937.5	5943.4
5°	5843.7	5846.6	5834.9	5823.2	5823.2	5820.2	5823.2
7.5°	5741.0	5744.0	5726.4	5720.5	5708.8	5711.8	5711.8
10°	5638.4	5638.4	5612.1	5609.1	5600.3	5597.4	5597.4
12.5°	5538.7	5529.9	5509.4	5497.7	5503.6	5486.0	5486.0
15°	5450.8	5436.2	5409.7	5400.9	5386.3	5380.4	5380.4
17.5°	5359.9	5348.2	5324.8	5307.1	5289.5	5286.6	5289.5
20°	5271.9	5260.2	5230.9	5219.2	5204.6	5204.6	5198.6
22.5°	5183.9	5172.2	5145.9	5137.1	5116.6	5116.6	5119.5
25°	5093.0	5084.2	5054.9	5049.1	5046.2	5034.4	5040.3
27.5°	4969.9	4964.0	4940.6	4931.8	4920.1	4917.2	4923.0
30°	4744.1	4735.3	4717.8	4709.0	4688.5	4691.4	4697.2
32.5°	4462.7	4451.0	4427.4	4418.6	4401.1	4395.2	4398.1
35°	4110.9	4102.1	4081.5	4081.5	4063.9	4058.0	4063.9
37.5°	3753.2	3761.8	3753.2	3761.8	3753.2	3750.1	3753.2
40°	3416.0	3448.2	3454.0	3486.3	3474.6	3492.1	3489.2
42.5°	3093.4	3146.1	3166.7	3193.0	3187.3	3199.0	3207.8
45°	2767.9	2811.9	2832.4	2850.0	2852.9	2858.9	2861.8
47.5°	2460.0	2495.2	2498.1	2518.6	2515.7	2515.7	2524.6
50°	2172.7	2196.2	2202.0	2216.7	2205.0	2199.1	2202.0
52.5°	1905.9	1929.3	1923.4	1929.3	1914.7	1908.8	1911.7
55°	1633.2	1644.9	1644.9	1644.9	1627.4	1627.4	1627.4
57.5°	1354.6	1357.6	1351.7	1354.6	1351.7	1334.1	1331.2
60°	1099.6	1099.6	1096.6	1099.6	1090.8	1082.0	1082.0
62.5°	859.1	865.0	876.7	865.0	859.1	865.0	856.2
65°	642.2	653.9	650.9	656.8	653.9	653.9	648.0
67.5°	483.8	486.7	489.6	492.6	492.6	492.6	492.6
70°	354.8	363.6	360.6	360.6	360.6	360.6	378.2
72.5°	237.5	249.2	246.3	252.1	252.1	258.0	252.1
75°	161.2	172.9	167.2	176.0	172.9	167.2	181.8
77.5°	108.5	114.4	117.3	120.2	117.3	114.4	117.3
80°	76.3	82.1	79.2	82.1	82.1	82.1	85.1
82.5°	46.9	55.8	52.7	55.8	52.7	55.8	55.8
85°	32.2	35.2	29.3	35.2	32.2	32.2	38.1
87.5°	20.5	17.6	17.6	20.5	17.6	20.5	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)