

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: P248568

Luminaire Tested: **LD8B200D010 ER8B200835 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248568
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: LD8B200D010 ER8B200835 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21629.0 lumens
Efficiency: N/A
Efficacy: 96.9 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

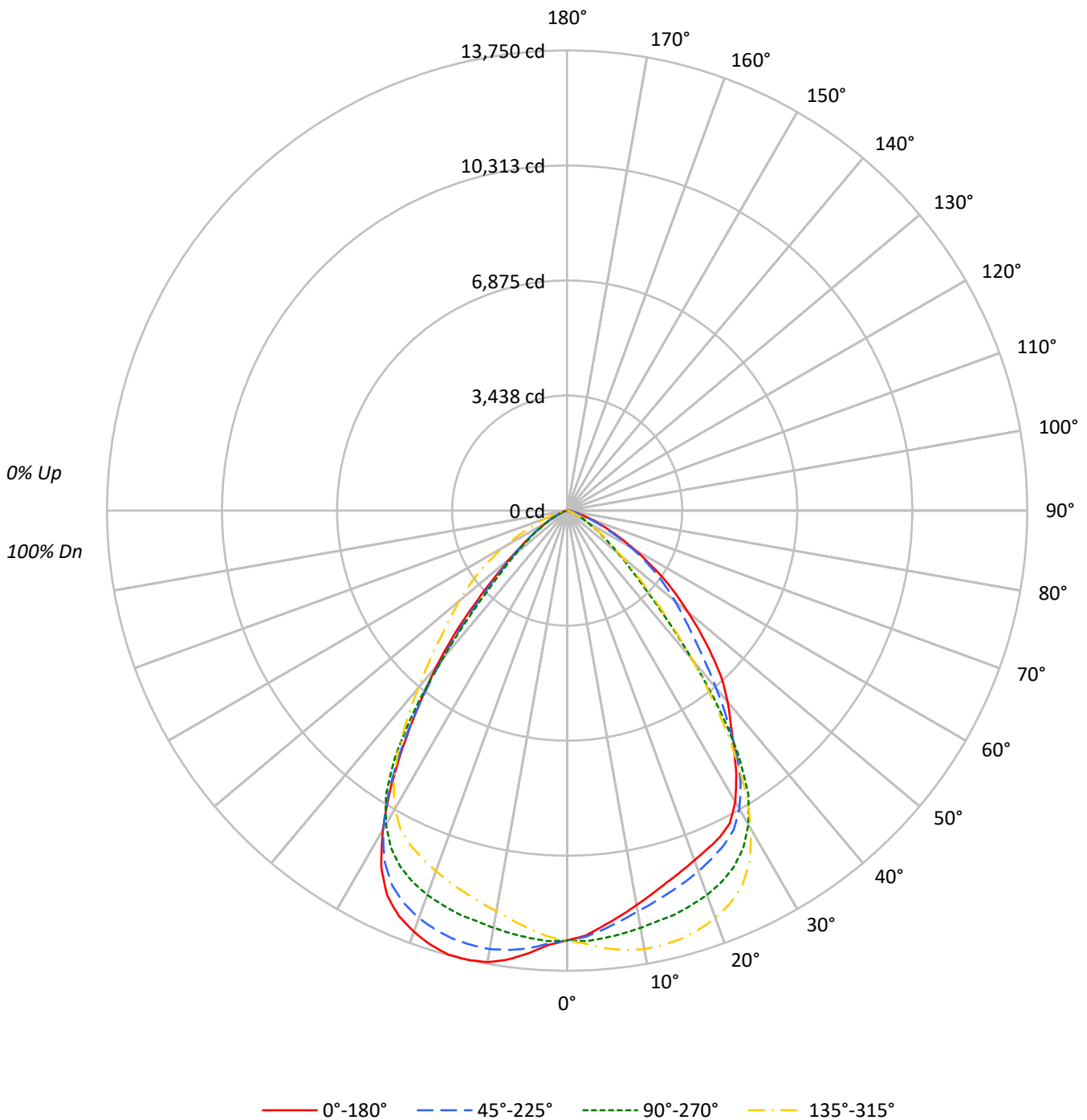
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	395954	395954	395954	395954
5°	385434	396881	411052	396881
10°	374773	396363	428953	396363
15°	367284	398716	438343	398716
20°	364785	400997	439469	400997
25°	366702	400192	432406	400192
30°	357634	385542	392471	385542
35°	327124	336324	319102	336324
40°	300335	233956	244313	233956
45°	266857	142724	165143	142724
50°	225880	95341	105876	95341
55°	187079	65057	68761	65057
60°	142686	43307	43689	43307
65°	101100	26982	24706	26982
70°	72921	18077	16400	18077
75°	46311	8983	7470	8983
80°	32302	6695	5540	6695
85°	28835	0	2194	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1222.2	5.7
10°-20°	3539.2	16.4
20°-30°	5359.1	24.8
30°-40°	5371.1	24.8
40°-50°	3372.8	15.6
50°-60°	1797.3	8.3
60°-70°	739.1	3.4
70°-80°	195.3	0.9
80°-90°	33.0	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°	10120.4	46.8
0°-40°	15491.5	71.6
0°-60°	20661.6	95.5
0°-90°	21629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21629.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12840	12840	12840	12840	12840	
5°	12452	12822	13279	12822	12452	###
15°	11505	12490	13731	12490	11505	3254
25°	10778	11762	12709	11762	10778	4943
35°	8690	8934	8477	8934	8690	5444
45°	6119	3273	3787	3273	6119	4706
55°	3480	1210	1279	1210	3480	3102
65°	1386	370	339	370	1386	1437
75°	389	75	63	75	389	440
85°	82	0	6	0	82	90
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°	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5
2.5°	12708.8	12696.2	12690.0	12702.6	12708.8	12733.9	12727.7	12740.1	12740.1	12746.5	12758.9
5°	12451.8	12445.3	12451.8	12451.8	12476.8	12501.9	12495.7	12514.5	12526.9	12558.4	12570.8
7.5°	12213.6	12213.6	12207.2	12232.2	12244.8	12282.5	12276.1	12307.5	12326.4	12357.6	12401.5
10°	11969.0	11969.0	11975.1	11994.0	12000.4	12056.7	12056.7	12100.6	12125.6	12157.1	12213.6
12.5°	11730.8	11730.8	11768.4	11755.8	11780.8	11824.7	11843.5	11887.4	11925.1	11987.8	12044.3
15°	11504.9	11504.9	11517.6	11548.8	11567.7	11624.2	11655.4	11705.7	11749.6	11812.3	11893.9
17.5°	11310.6	11304.4	11310.6	11348.3	11386.0	11436.0	11461.1	11523.8	11567.7	11649.2	11724.6
20°	11116.3	11128.9	11128.9	11160.2	11185.2	11247.9	11272.9	11342.1	11392.2	11467.3	11555.3
22.5°	10947.0	10940.8	10940.8	10984.7	11003.5	11059.8	11084.8	11147.5	11204.0	11266.8	11348.3
25°	10777.7	10765.1	10790.4	10796.6	10808.9	10871.6	10890.5	10934.4	10990.9	11047.4	11128.9
27.5°	10526.9	10514.5	10520.7	10545.7	10564.5	10614.6	10627.3	10671.1	10715.0	10765.1	10834.2
30°	10044.0	10031.6	10025.4	10069.3	10088.2	10125.6	10144.4	10219.8	10232.2	10288.7	10338.7
32.5°	9404.5	9398.3	9411.0	9448.4	9467.2	9517.6	9542.6	9586.5	9617.7	9649.2	9699.2
35°	8689.9	8677.3	8689.9	8727.6	8727.6	8771.5	8790.3	8808.9	8802.7	8808.9	8796.5
37.5°	8025.4	8019.0	8025.4	8044.0	8025.4	8044.0	8025.4	7987.7	7918.8	7843.5	7768.1
40°	7461.0	7467.2	7429.8	7454.8	7385.7	7373.3	7304.4	7210.2	7072.4	6921.9	6708.7
42.5°	6859.2	6840.4	6815.3	6827.7	6771.5	6727.3	6614.6	6495.6	6319.8	6069.3	5812.0
45°	6119.3	6113.1	6100.5	6094.3	6056.6	6012.7	5918.5	5780.7	5586.4	5329.4	5022.0
47.5°	5398.3	5379.4	5379.4	5385.6	5341.8	5335.6	5260.2	5141.2	4971.9	4721.1	4401.4
50°	4708.5	4702.3	4714.9	4739.9	4708.5	4696.1	4646.0	4564.5	4414.0	4200.8	3899.7
52.5°	4087.8	4081.6	4094.3	4125.5	4112.8	4125.5	4075.4	4012.7	3912.3	3705.3	3442.1
55°	3479.8	3479.8	3479.8	3517.2	3517.2	3517.2	3492.2	3454.8	3360.6	3210.1	2965.7
57.5°	2846.5	2852.7	2890.4	2896.6	2890.4	2903.0	2896.6	2858.9	2796.4	2689.8	2501.7
60°	2313.6	2313.6	2332.4	2351.3	2344.8	2351.3	2351.3	2332.4	2269.7	2182.0	2031.5
62.5°	1830.7	1849.6	1836.9	1849.6	1874.6	1849.6	1836.9	1824.5	1780.7	1724.2	1598.7
65°	1385.6	1398.2	1398.2	1404.4	1391.8	1398.2	1373.2	1354.3	1329.3	1266.6	1185.1
67.5°	1053.4	1053.4	1053.4	1053.4	1047.0	1040.8	1034.6	1015.8	971.9	946.9	858.9
70°	808.8	771.1	771.1	771.1	771.1	777.6	758.7	733.7	721.0	677.2	614.5
72.5°	539.1	551.8	539.1	539.1	526.7	532.9	507.9	495.2	482.8	457.8	420.1
75°	388.7	357.4	369.8	376.3	357.4	369.8	344.8	319.7	319.7	300.9	282.1
77.5°	250.8	244.6	250.8	257.0	250.8	244.6	232.0	219.4	219.4	213.2	194.3
80°	181.9	175.5	175.5	175.5	169.3	175.5	163.1	163.1	150.5	144.3	131.6
82.5°	119.2	119.2	112.8	119.2	112.8	119.2	100.4	100.4	100.4	93.9	81.5
85°	81.5	68.9	68.9	75.4	62.7	75.4	68.9	62.7	56.5	56.5	50.1
87.5°	37.7	43.9	37.7	43.9	37.7	37.7	43.9	37.7	37.7	25.0	25.0
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°	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5
2.5°	12777.7	12783.9	12783.9	12809.2	12821.6	12827.8	12827.8	12878.1	12859.3	12871.9	12884.3
5°	12596.1	12633.5	12646.1	12646.1	12715.0	12740.1	12765.1	12821.6	12827.8	12865.5	12909.4
7.5°	12420.3	12464.2	12489.5	12545.7	12589.6	12633.5	12708.8	12746.5	12783.9	12834.3	12890.5
10°	12251.0	12301.3	12351.4	12395.3	12464.2	12520.7	12570.8	12658.5	12702.6	12771.5	12846.6
12.5°	12088.2	12157.1	12201.0	12276.1	12351.4	12401.5	12476.8	12558.4	12627.3	12696.2	12783.9
15°	11943.9	12025.5	12075.5	12157.1	12238.6	12307.5	12389.1	12489.5	12539.5	12621.1	12702.6
17.5°	11787.0	11875.0	11937.7	12012.8	12113.2	12188.3	12257.5	12357.6	12420.3	12508.1	12602.3
20°	11624.2	11711.9	11787.0	11862.4	11962.8	12037.9	12119.4	12219.8	12288.7	12376.4	12451.8
22.5°	11429.9	11511.4	11592.7	11680.4	11780.8	11843.5	11937.7	12025.5	12100.6	12182.1	12257.5
25°	11179.0	11279.4	11342.1	11423.4	11504.9	11573.9	11674.2	11762.0	11824.7	11900.1	11969.0
27.5°	10884.3	10959.6	11009.7	11078.6	11160.2	11222.9	11298.0	11386.0	11448.7	11517.6	11567.7
30°	10382.6	10451.8	10495.6	10545.7	10627.3	10683.8	10746.5	10827.8	10871.6	10922.0	10965.8
32.5°	9724.3	9780.8	9805.8	9843.5	9900.0	9956.3	10006.6	10075.5	10094.3	10125.6	10125.6
35°	8771.5	8783.9	8777.7	8790.3	8815.4	8846.6	8890.5	8934.3	8959.4	8959.4	8940.8
37.5°	7655.3	7580.2	7498.7	7436.0	7417.1	7404.5	7429.8	7448.4	7473.7	7486.0	7454.8
40°	6495.6	6326.3	6144.4	5981.3	5868.5	5818.4	5799.6	5812.0	5812.0	5855.8	5855.8
42.5°	5498.7	5235.2	4965.8	4721.1	4558.0	4432.8	4376.3	4376.3	4382.5	4414.0	4432.8
45°	4671.0	4338.6	4025.1	3755.7	3529.9	3366.8	3291.7	3272.8	3266.6	3279.0	3322.9
47.5°	4037.7	3693.0	3366.8	3034.6	2796.4	2633.3	2564.4	2539.1	2514.1	2539.1	2545.6
50°	3542.5	3185.1	2840.3	2507.9	2257.1	2112.8	2025.1	1987.4	1981.2	1981.2	1993.8
52.5°	3090.9	2758.8	2414.0	2075.4	1811.9	1674.1	1592.5	1573.7	1548.7	1573.7	1573.7
55°	2664.6	2332.4	1993.8	1674.1	1454.5	1310.5	1235.1	1210.1	1197.4	1216.3	1216.3
57.5°	2200.8	1918.5	1605.2	1316.7	1097.3	996.9	940.4	909.2	902.7	915.4	902.7
60°	1805.7	1567.5	1297.8	1034.6	865.3	758.7	714.8	702.2	689.6	702.2	702.2
62.5°	1429.4	1228.9	1009.3	808.8	664.5	589.4	539.1	539.1	532.9	532.9	539.1
65°	1059.6	902.7	746.1	576.8	464.0	407.5	369.8	369.8	363.6	369.8	363.6
67.5°	771.1	664.5	539.1	420.1	332.4	300.9	275.9	257.0	269.7	257.0	250.8
70°	564.4	476.4	388.7	319.7	257.0	225.8	207.0	200.5	188.1	188.1	188.1
72.5°	376.3	319.7	263.2	207.0	169.3	137.8	131.6	119.2	106.6	112.8	125.4
75°	250.8	213.2	188.1	150.5	112.8	112.8	75.4	75.4	62.7	75.4	56.5
77.5°	175.5	144.3	112.8	93.9	75.4	68.9	50.1	50.1	43.9	43.9	43.9
80°	125.4	106.6	81.5	68.9	50.1	50.1	43.9	37.7	31.2	31.2	37.7
82.5°	75.4	56.5	56.5	50.1	31.2	25.0	18.8	25.0	12.6	12.6	12.6
85°	43.9	37.7	31.2	18.8	12.6	12.6	6.2	0.0	6.2	6.2	0.0
87.5°	25.0	12.6	12.6	6.2	0.0	6.2	6.2	0.0	0.0	0.0	12.6
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°	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5
2.5°	12915.8	12909.4	12922.0	12922.0	12959.7	12953.2	12972.1	12972.1	12959.7	12965.9	12990.9
5°	12959.7	12978.5	13015.9	13047.4	13103.7	13129.0	13160.2	13191.7	13197.9	13216.7	13235.6
7.5°	12959.7	13022.4	13066.3	13122.5	13197.9	13241.7	13310.7	13367.2	13392.2	13423.4	13461.1
10°	12934.4	12997.1	13078.6	13141.4	13235.6	13304.5	13373.4	13461.1	13498.8	13548.9	13599.2
12.5°	12884.3	12953.2	13041.0	13122.5	13229.1	13291.8	13379.6	13461.1	13517.6	13586.5	13643.0
15°	12809.2	12890.5	12972.1	13053.6	13166.4	13241.7	13323.3	13417.2	13473.8	13548.9	13599.2
17.5°	12690.0	12777.7	12853.1	12928.2	13034.8	13122.5	13197.9	13285.6	13342.1	13404.8	13473.8
20°	12545.7	12627.3	12708.8	12771.5	12878.1	12953.2	13034.8	13116.3	13160.2	13172.8	13279.4
22.5°	12364.1	12420.3	12483.0	12583.4	12646.1	12715.0	12790.4	12865.5	12909.4	12978.5	13015.9
25°	12062.9	12119.4	12188.3	12232.2	12307.5	12364.1	12439.2	12520.7	12545.7	12596.1	12633.5
27.5°	11643.0	11674.2	11705.7	11743.1	11787.0	11818.5	11862.4	11900.1	11925.1	11950.1	11975.1
30°	10978.2	10978.2	10978.2	10953.2	10972.0	10990.9	10997.1	10990.9	10990.9	10984.7	10984.7
32.5°	10100.5	10050.5	9994.0	9943.9	9925.1	9900.0	9887.4	9868.5	9837.3	9818.5	9824.7
35°	8915.5	8802.7	8733.8	8671.1	8621.0	8583.4	8564.5	8545.7	8539.5	8514.5	8489.2
37.5°	7436.0	7354.4	7304.4	7266.7	7222.8	7185.1	7191.3	7197.8	7216.4	7204.0	7210.2
40°	5868.5	5849.6	5868.5	5824.6	5812.0	5824.6	5855.8	5900.0	5925.0	5950.0	5993.9
42.5°	4464.1	4495.3	4539.4	4539.4	4558.0	4583.3	4620.7	4689.9	4727.3	4771.2	4821.5
45°	3360.6	3398.2	3454.8	3473.3	3486.0	3517.2	3561.3	3617.6	3642.6	3680.3	3724.2
47.5°	2589.5	2614.5	2645.7	2677.2	2708.4	2721.1	2764.9	2764.9	2796.4	2821.5	2833.8
50°	2018.9	2043.9	2068.9	2087.8	2100.4	2119.3	2131.6	2150.5	2156.7	2169.3	2175.5
52.5°	1579.9	1611.4	1611.4	1623.8	1642.6	1661.4	1655.3	1661.4	1667.6	1667.6	1686.5
55°	1235.1	1235.1	1254.0	1254.0	1266.6	1260.1	1266.6	1266.6	1266.6	1266.6	1272.8
57.5°	921.6	928.0	946.9	934.2	928.0	940.4	928.0	940.4	934.2	946.9	928.0
60°	708.4	708.4	714.8	714.8	721.0	721.0	721.0	714.8	714.8	708.4	708.4
62.5°	532.9	539.1	545.6	539.1	539.1	539.1	532.9	532.9	526.7	520.3	520.3
65°	357.4	351.2	363.6	351.2	357.4	357.4	351.2	357.4	338.6	344.8	338.6
67.5°	257.0	250.8	244.6	250.8	244.6	238.2	238.2	244.6	250.8	232.0	232.0
70°	169.3	175.5	169.3	175.5	181.9	181.9	175.5	169.3	175.5	163.1	169.3
72.5°	106.6	106.6	106.6	106.6	106.6	112.8	112.8	112.8	100.4	100.4	93.9
75°	50.1	68.9	56.5	50.1	68.9	68.9	62.7	62.7	56.5	56.5	56.5
77.5°	50.1	37.7	37.7	37.7	37.7	37.7	37.7	37.7	31.2	37.7	31.2
80°	25.0	25.0	25.0	18.8	25.0	25.0	31.2	25.0	25.0	18.8	31.2
82.5°	12.6	12.6	12.6	0.0	6.2	12.6	12.6	6.2	12.6	12.6	6.2
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: P248568

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5
2.5°	12984.7	12978.5	12984.7	12990.9	12984.7	12978.5	12984.7	12990.9	12965.9	12959.7	12972.1
5°	13260.6	13260.6	13273.0	13279.4	13273.0	13260.6	13260.6	13235.6	13216.7	13197.9	13191.7
7.5°	13498.8	13511.4	13523.8	13530.0	13523.8	13511.4	13498.8	13461.1	13423.4	13392.2	13367.2
10°	13643.0	13661.9	13686.9	13699.3	13686.9	13661.9	13643.0	13599.2	13548.9	13498.8	13461.1
12.5°	13705.8	13724.6	13755.8	13749.6	13755.8	13724.6	13705.8	13643.0	13586.5	13517.6	13461.1
15°	13661.9	13686.9	13718.1	13730.8	13718.1	13686.9	13661.9	13599.2	13548.9	13473.8	13417.2
17.5°	13523.8	13561.5	13580.3	13599.2	13580.3	13561.5	13523.8	13473.8	13404.8	13342.1	13285.6
20°	13335.7	13361.0	13386.0	13392.2	13386.0	13361.0	13335.7	13279.4	13172.8	13160.2	13116.3
22.5°	13066.3	13085.1	13141.4	13122.5	13141.4	13085.1	13066.3	13015.9	12978.5	12909.4	12865.5
25°	12677.4	12696.2	12702.6	12708.8	12702.6	12696.2	12677.4	12633.5	12596.1	12545.7	12520.7
27.5°	12006.6	12006.6	12019.0	12025.5	12019.0	12006.6	12006.6	11975.1	11950.1	11925.1	11900.1
30°	10990.9	10990.9	10990.9	11022.4	10990.9	10990.9	10990.9	10984.7	10984.7	10990.9	10990.9
32.5°	9818.5	9805.8	9793.4	9805.8	9793.4	9805.8	9818.5	9824.7	9818.5	9837.3	9868.5
35°	8489.2	8483.0	8501.8	8476.8	8501.8	8483.0	8489.2	8489.2	8514.5	8539.5	8545.7
37.5°	7216.4	7204.0	7229.0	7204.0	7229.0	7204.0	7216.4	7210.2	7204.0	7216.4	7197.8
40°	6006.5	6018.9	6018.9	6069.3	6018.9	6018.9	6006.5	5993.9	5950.0	5925.0	5900.0
42.5°	4846.5	4884.2	4871.6	4909.2	4871.6	4884.2	4846.5	4821.5	4771.2	4727.3	4689.9
45°	3749.2	3774.5	3774.5	3786.9	3774.5	3774.5	3749.2	3724.2	3680.3	3642.6	3617.6
47.5°	2877.7	2877.7	2877.7	2884.2	2877.7	2877.7	2877.7	2833.8	2821.5	2796.4	2764.9
50°	2188.2	2194.4	2200.8	2207.0	2200.8	2194.4	2188.2	2175.5	2169.3	2156.7	2150.5
52.5°	1680.3	1686.5	1674.1	1686.5	1674.1	1686.5	1680.3	1686.5	1667.6	1667.6	1661.4
55°	1272.8	1266.6	1272.8	1279.0	1272.8	1266.6	1272.8	1272.8	1266.6	1266.6	1266.6
57.5°	934.2	921.6	921.6	921.6	921.6	921.6	934.2	928.0	946.9	934.2	940.4
60°	696.0	702.2	702.2	708.4	702.2	702.2	696.0	708.4	708.4	714.8	714.8
62.5°	514.1	532.9	520.3	532.9	520.3	532.9	514.1	520.3	520.3	526.7	532.9
65°	332.4	332.4	332.4	338.6	332.4	332.4	332.4	338.6	344.8	338.6	357.4
67.5°	225.8	232.0	244.6	238.2	244.6	232.0	225.8	232.0	232.0	250.8	244.6
70°	181.9	163.1	163.1	181.9	163.1	163.1	181.9	169.3	163.1	175.5	169.3
72.5°	106.6	93.9	106.6	106.6	106.6	93.9	106.6	93.9	100.4	100.4	112.8
75°	56.5	50.1	43.9	62.7	43.9	50.1	56.5	56.5	56.5	56.5	62.7
77.5°	37.7	31.2	43.9	43.9	43.9	31.2	37.7	31.2	37.7	31.2	37.7
80°	18.8	25.0	18.8	31.2	18.8	25.0	18.8	31.2	18.8	25.0	25.0
82.5°	6.2	12.6	12.6	12.6	12.6	12.6	6.2	6.2	12.6	12.6	6.2
85°	0.0	12.6	6.2	6.2	6.2	12.6	0.0	0.0	0.0	0.0	0.0
87.5°	6.2	0.0	0.0	6.2	0.0	0.0	6.2	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: P248568

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5
2.5°	12972.1	12953.2	12959.7	12922.0	12922.0	12909.4	12915.8	12884.3	12871.9	12859.3	12878.1
5°	13160.2	13129.0	13103.7	13047.4	13015.9	12978.5	12959.7	12909.4	12865.5	12827.8	12821.6
7.5°	13310.7	13241.7	13197.9	13122.5	13066.3	13022.4	12959.7	12890.5	12834.3	12783.9	12746.5
10°	13373.4	13304.5	13235.6	13141.4	13078.6	12997.1	12934.4	12846.6	12771.5	12702.6	12658.5
12.5°	13379.6	13291.8	13229.1	13122.5	13041.0	12953.2	12884.3	12783.9	12696.2	12627.3	12558.4
15°	13323.3	13241.7	13166.4	13053.6	12972.1	12890.5	12809.2	12702.6	12621.1	12539.5	12489.5
17.5°	13197.9	13122.5	13034.8	12928.2	12853.1	12777.7	12690.0	12602.3	12508.1	12420.3	12357.6
20°	13034.8	12953.2	12878.1	12771.5	12708.8	12627.3	12545.7	12451.8	12376.4	12288.7	12219.8
22.5°	12790.4	12715.0	12646.1	12583.4	12483.0	12420.3	12364.1	12257.5	12182.1	12100.6	12025.5
25°	12439.2	12364.1	12307.5	12232.2	12188.3	12119.4	12062.9	11969.0	11900.1	11824.7	11762.0
27.5°	11862.4	11818.5	11787.0	11743.1	11705.7	11674.2	11643.0	11567.7	11517.6	11448.7	11386.0
30°	10997.1	10990.9	10972.0	10953.2	10978.2	10978.2	10978.2	10965.8	10922.0	10871.6	10827.8
32.5°	9887.4	9900.0	9925.1	9943.9	9994.0	10050.5	10100.5	10125.6	10125.6	10094.3	10075.5
35°	8564.5	8583.4	8621.0	8671.1	8733.8	8802.7	8915.5	8940.8	8959.4	8959.4	8934.3
37.5°	7191.3	7185.1	7222.8	7266.7	7304.4	7354.4	7436.0	7454.8	7486.0	7473.7	7448.4
40°	5855.8	5824.6	5812.0	5824.6	5868.5	5849.6	5868.5	5855.8	5855.8	5812.0	5812.0
42.5°	4620.7	4583.3	4558.0	4539.4	4539.4	4495.3	4464.1	4432.8	4414.0	4382.5	4376.3
45°	3561.3	3517.2	3486.0	3473.3	3454.8	3398.2	3360.6	3322.9	3279.0	3266.6	3272.8
47.5°	2764.9	2721.1	2708.4	2677.2	2645.7	2614.5	2589.5	2545.6	2539.1	2514.1	2539.1
50°	2131.6	2119.3	2100.4	2087.8	2068.9	2043.9	2018.9	1993.8	1981.2	1981.2	1987.4
52.5°	1655.3	1661.4	1642.6	1623.8	1611.4	1611.4	1579.9	1573.7	1573.7	1548.7	1573.7
55°	1266.6	1260.1	1266.6	1254.0	1254.0	1235.1	1235.1	1216.3	1216.3	1197.4	1210.1
57.5°	928.0	940.4	928.0	934.2	946.9	928.0	921.6	902.7	915.4	902.7	909.2
60°	721.0	721.0	721.0	714.8	714.8	708.4	708.4	702.2	702.2	689.6	702.2
62.5°	532.9	539.1	539.1	539.1	545.6	539.1	532.9	539.1	532.9	532.9	539.1
65°	351.2	357.4	357.4	351.2	363.6	351.2	357.4	363.6	369.8	363.6	369.8
67.5°	238.2	238.2	244.6	250.8	244.6	250.8	257.0	250.8	257.0	269.7	257.0
70°	175.5	181.9	181.9	175.5	169.3	175.5	169.3	188.1	188.1	188.1	200.5
72.5°	112.8	112.8	106.6	106.6	106.6	106.6	106.6	125.4	112.8	106.6	119.2
75°	62.7	68.9	68.9	50.1	56.5	68.9	50.1	56.5	75.4	62.7	75.4
77.5°	37.7	37.7	37.7	37.7	37.7	37.7	50.1	43.9	43.9	43.9	50.1
80°	31.2	25.0	25.0	18.8	25.0	25.0	25.0	37.7	31.2	31.2	37.7
82.5°	12.6	12.6	6.2	0.0	12.6	12.6	12.6	12.6	12.6	12.6	25.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	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: P248568

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5
2.5°	12827.8	12827.8	12821.6	12809.2	12783.9	12783.9	12777.7	12758.9	12746.5	12740.1	12740.1
5°	12765.1	12740.1	12715.0	12646.1	12646.1	12633.5	12596.1	12570.8	12558.4	12526.9	12514.5
7.5°	12708.8	12633.5	12589.6	12545.7	12489.5	12464.2	12420.3	12401.5	12357.6	12326.4	12307.5
10°	12570.8	12520.7	12464.2	12395.3	12351.4	12301.3	12251.0	12213.6	12157.1	12125.6	12100.6
12.5°	12476.8	12401.5	12351.4	12276.1	12201.0	12157.1	12088.2	12044.3	11987.8	11925.1	11887.4
15°	12389.1	12307.5	12238.6	12157.1	12075.5	12025.5	11943.9	11893.9	11812.3	11749.6	11705.7
17.5°	12257.5	12188.3	12113.2	12012.8	11937.7	11875.0	11787.0	11724.6	11649.2	11567.7	11523.8
20°	12119.4	12037.9	11962.8	11862.4	11787.0	11711.9	11624.2	11555.3	11467.3	11392.2	11342.1
22.5°	11937.7	11843.5	11780.8	11680.4	11592.7	11511.4	11429.9	11348.3	11266.8	11204.0	11147.5
25°	11674.2	11573.9	11504.9	11423.4	11342.1	11279.4	11179.0	11128.9	11047.4	10990.9	10934.4
27.5°	11298.0	11222.9	11160.2	11078.6	11009.7	10959.6	10884.3	10834.2	10765.1	10715.0	10671.1
30°	10746.5	10683.8	10627.3	10545.7	10495.6	10451.8	10382.6	10338.7	10288.7	10232.2	10219.8
32.5°	10006.6	9956.3	9900.0	9843.5	9805.8	9780.8	9724.3	9699.2	9649.2	9617.7	9586.5
35°	8890.5	8846.6	8815.4	8790.3	8777.7	8783.9	8771.5	8796.5	8808.9	8802.7	8808.9
37.5°	7429.8	7404.5	7417.1	7436.0	7498.7	7580.2	7655.3	7768.1	7843.5	7918.8	7987.7
40°	5799.6	5818.4	5868.5	5981.3	6144.4	6326.3	6495.6	6708.7	6921.9	7072.4	7210.2
42.5°	4376.3	4432.8	4558.0	4721.1	4965.8	5235.2	5498.7	5812.0	6069.3	6319.8	6495.6
45°	3291.7	3366.8	3529.9	3755.7	4025.1	4338.6	4671.0	5022.0	5329.4	5586.4	5780.7
47.5°	2564.4	2633.3	2796.4	3034.6	3366.8	3693.0	4037.7	4401.4	4721.1	4971.9	5141.2
50°	2025.1	2112.8	2257.1	2507.9	2840.3	3185.1	3542.5	3899.7	4200.8	4414.0	4564.5
52.5°	1592.5	1674.1	1811.9	2075.4	2414.0	2758.8	3090.9	3442.1	3705.3	3912.3	4012.7
55°	1235.1	1310.5	1454.5	1674.1	1993.8	2332.4	2664.6	2965.7	3210.1	3360.6	3454.8
57.5°	940.4	996.9	1097.3	1316.7	1605.2	1918.5	2200.8	2501.7	2689.8	2796.4	2858.9
60°	714.8	758.7	865.3	1034.6	1297.8	1567.5	1805.7	2031.5	2182.0	2269.7	2332.4
62.5°	539.1	589.4	664.5	808.8	1009.3	1228.9	1429.4	1598.7	1724.2	1780.7	1824.5
65°	369.8	407.5	464.0	576.8	746.1	902.7	1059.6	1185.1	1266.6	1329.3	1354.3
67.5°	275.9	300.9	332.4	420.1	539.1	664.5	771.1	858.9	946.9	971.9	1015.8
70°	207.0	225.8	257.0	319.7	388.7	476.4	564.4	614.5	677.2	721.0	733.7
72.5°	131.6	137.8	169.3	207.0	263.2	319.7	376.3	420.1	457.8	482.8	495.2
75°	75.4	112.8	112.8	150.5	188.1	213.2	250.8	282.1	300.9	319.7	319.7
77.5°	50.1	68.9	75.4	93.9	112.8	144.3	175.5	194.3	213.2	219.4	219.4
80°	43.9	50.1	50.1	68.9	81.5	106.6	125.4	131.6	144.3	150.5	163.1
82.5°	18.8	25.0	31.2	50.1	56.5	56.5	75.4	81.5	93.9	100.4	100.4
85°	6.2	12.6	12.6	18.8	31.2	37.7	43.9	50.1	56.5	56.5	62.7
87.5°	6.2	6.2	0.0	6.2	12.6	12.6	25.0	25.0	25.0	37.7	37.7
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: P248568

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5	12840.5
2.5°	12727.7	12733.9	12708.8	12702.6	12690.0	12696.2	12708.8
5°	12495.7	12501.9	12476.8	12451.8	12451.8	12445.3	12451.8
7.5°	12276.1	12282.5	12244.8	12232.2	12207.2	12213.6	12213.6
10°	12056.7	12056.7	12000.4	11994.0	11975.1	11969.0	11969.0
12.5°	11843.5	11824.7	11780.8	11755.8	11768.4	11730.8	11730.8
15°	11655.4	11624.2	11567.7	11548.8	11517.6	11504.9	11504.9
17.5°	11461.1	11436.0	11386.0	11348.3	11310.6	11304.4	11310.6
20°	11272.9	11247.9	11185.2	11160.2	11128.9	11128.9	11116.3
22.5°	11084.8	11059.8	11003.5	10984.7	10940.8	10940.8	10947.0
25°	10890.5	10871.6	10808.9	10796.6	10790.4	10765.1	10777.7
27.5°	10627.3	10614.6	10564.5	10545.7	10520.7	10514.5	10526.9
30°	10144.4	10125.6	10088.2	10069.3	10025.4	10031.6	10044.0
32.5°	9542.6	9517.6	9467.2	9448.4	9411.0	9398.3	9404.5
35°	8790.3	8771.5	8727.6	8727.6	8689.9	8677.3	8689.9
37.5°	8025.4	8044.0	8025.4	8044.0	8025.4	8019.0	8025.4
40°	7304.4	7373.3	7385.7	7454.8	7429.8	7467.2	7461.0
42.5°	6614.6	6727.3	6771.5	6827.7	6815.3	6840.4	6859.2
45°	5918.5	6012.7	6056.6	6094.3	6100.5	6113.1	6119.3
47.5°	5260.2	5335.6	5341.8	5385.6	5379.4	5379.4	5398.3
50°	4646.0	4696.1	4708.5	4739.9	4714.9	4702.3	4708.5
52.5°	4075.4	4125.5	4112.8	4125.5	4094.3	4081.6	4087.8
55°	3492.2	3517.2	3517.2	3517.2	3479.8	3479.8	3479.8
57.5°	2896.6	2903.0	2890.4	2896.6	2890.4	2852.7	2846.5
60°	2351.3	2351.3	2344.8	2351.3	2332.4	2313.6	2313.6
62.5°	1836.9	1849.6	1874.6	1849.6	1836.9	1849.6	1830.7
65°	1373.2	1398.2	1391.8	1404.4	1398.2	1398.2	1385.6
67.5°	1034.6	1040.8	1047.0	1053.4	1053.4	1053.4	1053.4
70°	758.7	777.6	771.1	771.1	771.1	771.1	808.8
72.5°	507.9	532.9	526.7	539.1	539.1	551.8	539.1
75°	344.8	369.8	357.4	376.3	369.8	357.4	388.7
77.5°	232.0	244.6	250.8	257.0	250.8	244.6	250.8
80°	163.1	175.5	169.3	175.5	175.5	175.5	181.9
82.5°	100.4	119.2	112.8	119.2	112.8	119.2	119.2
85°	68.9	75.4	62.7	75.4	68.9	68.9	81.5
87.5°	43.9	37.7	37.7	43.9	37.7	43.9	37.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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