

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: P248549

Luminaire Tested: **LD8B175D010 ER8B175827 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248549
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: LD8B175D010 ER8B175827 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17214.0 lumens
Efficiency: N/A
Efficacy: 97.1 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

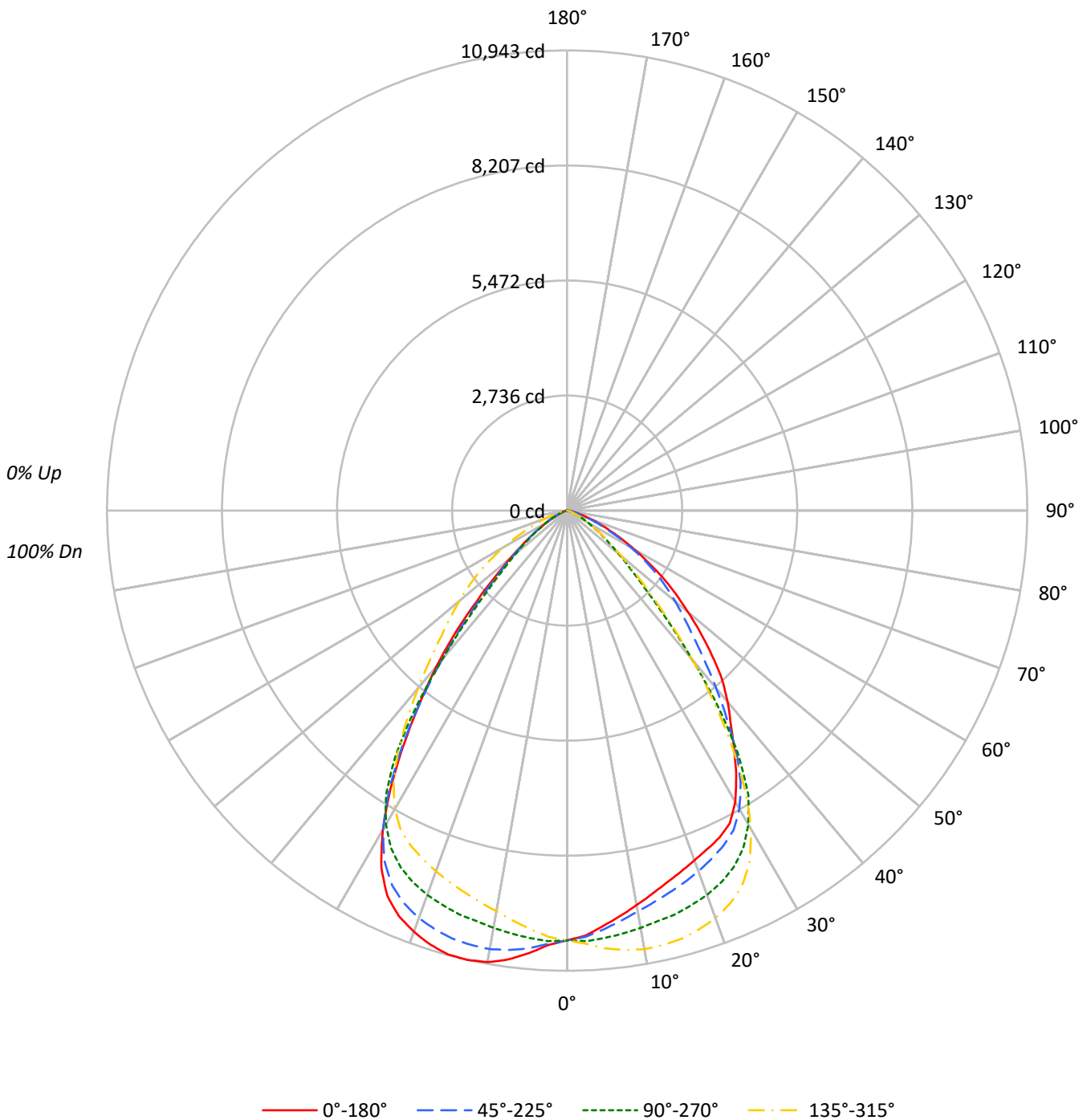
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	315129	315129	315129	315129
5°	306758	315868	327148	315868
10°	298272	315456	341392	315456
15°	292313	317329	348867	317329
20°	290324	319142	349762	319142
25°	291849	318503	344144	318503
30°	284633	306844	312356	306844
35°	260351	267673	253967	267673
40°	239028	186199	194443	186199
45°	212385	113593	131434	113593
50°	179768	75879	84264	75879
55°	148892	51778	54724	51778
60°	113558	34469	34771	34469
65°	80458	21474	19664	21474
70°	58036	14389	13055	14389
75°	36851	7149	5945	7149
80°	25713	5327	4422	5327
85°	22962	0	1734	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	972.7	5.7
10°-20°	2816.7	16.4
20°-30°	4265.1	24.8
30°-40°	4274.7	24.8
40°-50°	2684.3	15.6
50°-60°	1430.5	8.3
60°-70°	588.2	3.4
70°-80°	155.4	0.9
80°-90°	26.3	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°	8054.6	46.8
0°-40°	12329.3	71.6
0°-60°	16444.1	95.5
0°-90°	17214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17214.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10219	10219	10219	10219	10219	
5°	9910	10204	10569	10204	9910	935
15°	9156	9940	10928	9940	9156	2590
25°	8578	9361	10115	9361	8578	3934
35°	6916	7111	6746	7111	6916	4333
45°	4870	2605	3014	2605	4870	3746
55°	2770	963	1018	963	2770	2469
65°	1103	294	270	294	1103	1144
75°	309	60	50	60	309	350
85°	65	0	5	0	65	71
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°	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4
2.5°	10114.7	10104.6	10099.7	10109.7	10114.7	10134.6	10129.7	10139.5	10139.5	10144.6	10154.5
5°	9910.1	9905.0	9910.1	9910.1	9930.0	9949.9	9945.0	9960.0	9969.9	9994.9	10004.8
7.5°	9720.5	9720.5	9715.4	9735.3	9745.4	9775.4	9770.2	9795.3	9810.3	9835.1	9870.0
10°	9525.8	9525.8	9530.7	9545.7	9550.9	9595.6	9595.6	9630.6	9650.5	9675.5	9720.5
12.5°	9336.2	9336.2	9366.2	9356.2	9376.1	9411.0	9426.0	9460.9	9490.9	9540.8	9585.8
15°	9156.5	9156.5	9166.6	9191.4	9206.4	9251.4	9276.3	9316.3	9351.2	9401.1	9466.0
17.5°	9001.9	8996.9	9001.9	9031.8	9061.8	9101.7	9121.6	9171.5	9206.4	9271.3	9331.3
20°	8847.2	8857.3	8857.3	8882.1	8902.0	8951.9	8971.9	9026.9	9066.8	9126.5	9196.6
22.5°	8712.5	8707.5	8707.5	8742.4	8757.4	8802.2	8822.1	8872.0	8917.0	8966.9	9031.8
25°	8577.7	8567.7	8587.8	8592.7	8602.6	8652.5	8667.5	8702.4	8747.4	8792.4	8857.3
27.5°	8378.1	8368.2	8373.2	8393.1	8408.1	8447.9	8458.0	8492.9	8527.8	8567.7	8622.7
30°	7993.8	7983.9	7979.0	8013.9	8028.9	8058.7	8073.7	8133.7	8143.5	8188.5	8228.4
32.5°	7484.8	7479.9	7490.0	7519.8	7534.7	7574.8	7594.7	7629.6	7654.5	7679.5	7719.4
35°	6916.1	6906.0	6916.1	6946.1	6946.1	6981.0	6996.0	7010.8	7005.9	7010.8	7000.9
37.5°	6387.2	6382.1	6387.2	6402.0	6387.2	6402.0	6387.2	6357.2	6302.4	6242.4	6182.5
40°	5938.0	5943.0	5913.2	5933.1	5878.1	5868.2	5813.4	5738.4	5628.7	5509.0	5339.3
42.5°	5459.1	5444.1	5424.2	5434.0	5389.2	5354.1	5264.4	5169.7	5029.8	4830.4	4625.6
45°	4870.2	4865.3	4855.2	4850.3	4820.3	4785.4	4710.4	4600.7	4446.1	4241.5	3996.9
47.5°	4296.4	4281.4	4281.4	4286.3	4251.4	4246.4	4186.5	4091.8	3957.1	3757.4	3502.9
50°	3747.3	3742.4	3752.5	3772.4	3747.3	3737.5	3697.6	3632.7	3513.0	3343.3	3103.7
52.5°	3253.4	3248.5	3258.5	3283.4	3273.3	3283.4	3243.5	3193.6	3113.7	2949.0	2739.5
55°	2769.5	2769.5	2769.5	2799.3	2799.3	2799.3	2779.3	2749.6	2674.6	2554.9	2360.3
57.5°	2265.5	2270.4	2300.4	2305.3	2300.4	2310.4	2305.3	2275.3	2225.6	2140.8	1991.1
60°	1841.3	1841.3	1856.3	1871.3	1866.2	1871.3	1871.3	1856.3	1806.4	1736.6	1616.8
62.5°	1457.0	1472.0	1462.0	1472.0	1492.0	1472.0	1462.0	1452.1	1417.2	1372.2	1272.4
65°	1102.7	1112.8	1112.8	1117.7	1107.7	1112.8	1092.9	1077.9	1058.0	1008.1	943.2
67.5°	838.4	838.4	838.4	838.4	833.3	828.3	823.4	808.4	773.5	753.6	683.5
70°	643.7	613.7	613.7	613.7	613.7	618.8	603.8	583.9	573.9	538.9	489.0
72.5°	429.1	439.1	429.1	429.1	419.2	424.1	404.2	394.1	384.3	364.4	334.4
75°	309.3	284.5	294.3	299.5	284.5	294.3	274.4	254.5	254.5	239.5	224.5
77.5°	199.6	194.7	199.6	204.6	199.6	194.7	184.6	174.6	174.6	169.7	154.7
80°	144.8	139.7	139.7	139.7	134.7	139.7	129.8	129.8	119.7	114.8	104.7
82.5°	94.9	94.9	89.8	94.9	89.8	94.9	79.9	79.9	79.9	74.8	64.9
85°	64.9	54.8	54.8	60.0	49.9	60.0	54.8	49.9	45.0	45.0	39.8
87.5°	30.0	34.9	30.0	34.9	30.0	30.0	34.9	30.0	30.0	19.9	19.9
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°	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4
2.5°	10169.5	10174.4	10174.4	10194.6	10204.4	10209.3	10209.3	10249.4	10234.4	10244.5	10254.3
5°	10024.9	10054.7	10064.7	10064.7	10119.6	10139.5	10159.4	10204.4	10209.3	10239.3	10274.2
7.5°	9885.0	9919.9	9940.1	9984.9	10019.8	10054.7	10114.7	10144.6	10174.4	10214.5	10259.3
10°	9750.3	9790.3	9830.2	9865.1	9919.9	9964.9	10004.8	10074.6	10109.7	10164.6	10224.3
12.5°	9620.7	9675.5	9710.4	9770.2	9830.2	9870.0	9930.0	9994.9	10049.8	10104.6	10174.4
15°	9505.9	9570.8	9610.6	9675.5	9740.4	9795.3	9860.2	9940.1	9979.9	10044.8	10109.7
17.5°	9381.0	9451.0	9501.0	9560.7	9640.6	9700.4	9755.4	9835.1	9885.0	9954.9	10029.8
20°	9251.4	9321.2	9381.0	9441.0	9520.9	9580.6	9645.5	9725.4	9780.3	9850.1	9910.1
22.5°	9096.7	9161.6	9226.3	9296.2	9376.1	9426.0	9501.0	9570.8	9630.6	9695.5	9755.4
25°	8897.1	8977.0	9026.9	9091.6	9156.5	9211.4	9291.2	9361.1	9411.0	9471.0	9525.8
27.5°	8662.5	8722.5	8762.4	8817.2	8882.1	8932.0	8991.8	9061.8	9111.7	9166.6	9206.4
30°	8263.3	8318.3	8353.2	8393.1	8458.0	8503.0	8552.9	8617.6	8652.5	8692.5	8727.5
32.5°	7739.3	7784.3	7804.2	7834.2	7879.2	7924.0	7964.0	8018.9	8033.8	8058.7	8058.7
35°	6981.0	6990.9	6985.9	6996.0	7015.9	7040.8	7075.7	7110.6	7130.5	7130.5	7115.8
37.5°	6092.7	6032.9	5968.0	5918.1	5903.1	5893.1	5913.2	5928.0	5948.1	5958.0	5933.1
40°	5169.7	5034.9	4890.1	4760.3	4670.6	4630.7	4615.7	4625.6	4625.6	4660.5	4660.5
42.5°	4376.3	4166.6	3952.1	3757.4	3627.6	3528.0	3483.0	3483.0	3487.9	3513.0	3528.0
45°	3717.6	3453.0	3203.5	2989.0	2809.3	2679.5	2619.8	2604.8	2599.8	2609.7	2644.6
47.5°	3213.5	2939.1	2679.5	2415.2	2225.6	2095.8	2041.0	2020.8	2000.9	2020.8	2026.0
50°	2819.4	2534.9	2260.5	1996.0	1796.3	1681.5	1611.7	1581.7	1576.8	1576.8	1586.8
52.5°	2460.0	2195.6	1921.2	1651.7	1442.0	1332.4	1267.5	1252.5	1232.5	1252.5	1252.5
55°	2120.7	1856.3	1586.8	1332.4	1157.6	1043.0	983.0	963.1	953.0	968.0	968.0
57.5°	1751.6	1526.9	1277.5	1047.9	873.3	793.4	748.4	723.6	718.5	728.5	718.5
60°	1437.1	1247.5	1032.9	823.4	688.7	603.8	568.9	558.9	548.8	558.9	558.9
62.5°	1137.7	978.1	803.3	643.7	528.9	469.1	429.1	429.1	424.1	424.1	429.1
65°	843.3	718.5	593.8	459.0	369.3	324.3	294.3	294.3	289.4	294.3	289.4
67.5°	613.7	528.9	429.1	334.4	264.5	239.5	219.6	204.6	214.6	204.6	199.6
70°	449.2	379.2	309.3	254.5	204.6	179.7	164.7	159.6	149.7	149.7	149.7
72.5°	299.5	254.5	209.5	164.7	134.7	109.7	104.7	94.9	84.8	89.8	99.8
75°	199.6	169.7	149.7	119.7	89.8	89.8	60.0	60.0	49.9	60.0	45.0
77.5°	139.7	114.8	89.8	74.8	60.0	54.8	39.8	39.8	34.9	34.9	34.9
80°	99.8	84.8	64.9	54.8	39.8	39.8	34.9	30.0	24.9	24.9	30.0
82.5°	60.0	45.0	45.0	39.8	24.9	19.9	15.0	19.9	10.1	10.1	10.1
85°	34.9	30.0	24.9	15.0	10.1	10.1	4.9	0.0	4.9	4.9	0.0
87.5°	19.9	10.1	10.1	4.9	0.0	4.9	4.9	0.0	0.0	0.0	10.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4
2.5°	10279.4	10274.2	10284.3	10284.3	10314.3	10309.2	10324.2	10324.2	10314.3	10319.2	10339.1
5°	10314.3	10329.3	10359.1	10384.1	10428.9	10449.0	10473.9	10498.9	10503.9	10518.9	10533.9
7.5°	10314.3	10364.2	10399.1	10443.9	10503.9	10538.8	10593.6	10638.6	10658.5	10683.4	10713.4
10°	10294.2	10344.1	10409.0	10458.9	10533.9	10588.7	10643.5	10713.4	10743.4	10783.2	10823.3
12.5°	10254.3	10309.2	10379.0	10443.9	10528.7	10578.6	10648.5	10713.4	10758.4	10813.2	10858.2
15°	10194.6	10259.3	10324.2	10389.1	10478.8	10538.8	10603.7	10678.5	10723.4	10783.2	10823.3
17.5°	10099.7	10169.5	10229.5	10289.2	10374.1	10443.9	10503.9	10573.7	10618.7	10668.6	10723.4
20°	9984.9	10049.8	10114.7	10164.6	10249.4	10309.2	10374.1	10439.0	10473.9	10483.9	10568.8
22.5°	9840.3	9885.0	9934.9	10014.8	10064.7	10119.6	10179.6	10239.3	10274.2	10329.3	10359.1
25°	9600.6	9645.5	9700.4	9735.3	9795.3	9840.3	9900.0	9964.9	9984.9	10024.9	10054.7
27.5°	9266.4	9291.2	9316.3	9346.1	9381.0	9406.1	9441.0	9471.0	9490.9	9510.8	9530.7
30°	8737.3	8737.3	8737.3	8717.4	8732.4	8747.4	8752.3	8747.4	8747.4	8742.4	8742.4
32.5°	8038.8	7998.9	7954.0	7914.1	7899.1	7879.2	7869.1	7854.1	7829.3	7814.3	7819.2
35°	7095.6	7005.9	6951.0	6901.1	6861.3	6831.3	6816.3	6801.3	6796.4	6776.4	6756.3
37.5°	5918.1	5853.2	5813.4	5783.4	5748.5	5718.5	5723.4	5728.5	5743.3	5733.5	5738.4
40°	4670.6	4655.6	4670.6	4635.7	4625.6	4635.7	4660.5	4695.6	4715.6	4735.5	4770.4
42.5°	3552.8	3577.7	3612.8	3612.8	3627.6	3647.7	3677.5	3732.6	3762.3	3797.3	3837.3
45°	2674.6	2704.6	2749.6	2764.3	2774.4	2799.3	2834.4	2879.2	2899.1	2929.1	2964.0
47.5°	2060.9	2080.8	2105.7	2130.7	2155.6	2165.6	2200.6	2200.6	2225.6	2245.5	2255.4
50°	1606.8	1626.7	1646.6	1661.6	1671.7	1686.7	1696.5	1711.5	1716.4	1726.5	1731.4
52.5°	1257.4	1282.5	1282.5	1292.3	1307.3	1322.3	1317.4	1322.3	1327.2	1327.2	1342.2
55°	983.0	983.0	998.0	998.0	1008.1	1002.9	1008.1	1008.1	1008.1	1008.1	1013.0
57.5°	733.4	738.6	753.6	743.5	738.6	748.4	738.6	748.4	743.5	753.6	738.6
60°	563.8	563.8	568.9	568.9	573.9	573.9	573.9	568.9	568.9	563.8	563.8
62.5°	424.1	429.1	434.2	429.1	429.1	429.1	424.1	424.1	419.2	414.1	414.1
65°	284.5	279.5	289.4	279.5	284.5	284.5	279.5	284.5	269.5	274.4	269.5
67.5°	204.6	199.6	194.7	199.6	194.7	189.6	189.6	194.7	199.6	184.6	184.6
70°	134.7	139.7	134.7	139.7	144.8	144.8	139.7	134.7	139.7	129.8	134.7
72.5°	84.8	84.8	84.8	84.8	84.8	89.8	89.8	89.8	79.9	79.9	74.8
75°	39.8	54.8	45.0	39.8	54.8	54.8	49.9	49.9	45.0	45.0	45.0
77.5°	39.8	30.0	30.0	30.0	30.0	30.0	30.0	30.0	24.9	30.0	24.9
80°	19.9	19.9	19.9	15.0	19.9	19.9	24.9	19.9	19.9	15.0	24.9
82.5°	10.1	10.1	10.1	0.0	4.9	10.1	10.1	4.9	10.1	10.1	4.9
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: P248549

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4
2.5°	10334.2	10329.3	10334.2	10339.1	10334.2	10329.3	10334.2	10339.1	10319.2	10314.3	10324.2
5°	10553.8	10553.8	10563.6	10568.8	10563.6	10553.8	10553.8	10533.9	10518.9	10503.9	10498.9
7.5°	10743.4	10753.4	10763.3	10768.2	10763.3	10753.4	10743.4	10713.4	10683.4	10658.5	10638.6
10°	10858.2	10873.2	10893.1	10902.9	10893.1	10873.2	10858.2	10823.3	10783.2	10743.4	10713.4
12.5°	10908.1	10923.1	10947.9	10943.0	10947.9	10923.1	10908.1	10858.2	10813.2	10758.4	10713.4
15°	10873.2	10893.1	10917.9	10928.0	10917.9	10893.1	10873.2	10823.3	10783.2	10723.4	10678.5
17.5°	10763.3	10793.3	10808.3	10823.3	10808.3	10793.3	10763.3	10723.4	10668.6	10618.7	10573.7
20°	10613.6	10633.7	10653.6	10658.5	10653.6	10633.7	10613.6	10568.8	10483.9	10473.9	10439.0
22.5°	10399.1	10414.1	10458.9	10443.9	10458.9	10414.1	10399.1	10359.1	10329.3	10274.2	10239.3
25°	10089.6	10104.6	10109.7	10114.7	10109.7	10104.6	10089.6	10054.7	10024.9	9984.9	9964.9
27.5°	9555.8	9555.8	9565.6	9570.8	9565.6	9555.8	9555.8	9530.7	9510.8	9490.9	9471.0
30°	8747.4	8747.4	8747.4	8772.4	8747.4	8747.4	8747.4	8742.4	8742.4	8747.4	8747.4
32.5°	7814.3	7804.2	7794.4	7804.2	7794.4	7804.2	7814.3	7819.2	7814.3	7829.3	7854.1
35°	6756.3	6751.4	6766.4	6746.5	6766.4	6751.4	6756.3	6756.3	6776.4	6796.4	6801.3
37.5°	5743.3	5733.5	5753.4	5733.5	5753.4	5733.5	5743.3	5738.4	5733.5	5743.3	5728.5
40°	4780.5	4790.3	4790.3	4830.4	4790.3	4790.3	4780.5	4770.4	4735.5	4715.6	4695.6
42.5°	3857.2	3887.2	3877.2	3907.1	3877.2	3887.2	3857.2	3837.3	3797.3	3762.3	3732.6
45°	2983.9	3004.0	3004.0	3013.9	3004.0	3004.0	2983.9	2964.0	2929.1	2899.1	2879.2
47.5°	2290.3	2290.3	2290.3	2295.4	2290.3	2290.3	2290.3	2255.4	2245.5	2225.6	2200.6
50°	1741.5	1746.4	1751.6	1756.5	1751.6	1746.4	1741.5	1731.4	1726.5	1716.4	1711.5
52.5°	1337.3	1342.2	1332.4	1342.2	1332.4	1342.2	1337.3	1342.2	1327.2	1327.2	1322.3
55°	1013.0	1008.1	1013.0	1017.9	1013.0	1008.1	1013.0	1013.0	1008.1	1008.1	1008.1
57.5°	743.5	733.4	733.4	733.4	733.4	733.4	743.5	738.6	753.6	743.5	748.4
60°	553.9	558.9	558.9	563.8	558.9	558.9	553.9	563.8	563.8	568.9	568.9
62.5°	409.1	424.1	414.1	424.1	414.1	424.1	409.1	414.1	414.1	419.2	424.1
65°	264.5	264.5	264.5	269.5	264.5	264.5	264.5	269.5	274.4	269.5	284.5
67.5°	179.7	184.6	194.7	189.6	194.7	184.6	179.7	184.6	184.6	199.6	194.7
70°	144.8	129.8	129.8	144.8	129.8	129.8	144.8	134.7	129.8	139.7	134.7
72.5°	84.8	74.8	84.8	84.8	84.8	74.8	84.8	74.8	79.9	79.9	89.8
75°	45.0	39.8	34.9	49.9	34.9	39.8	45.0	45.0	45.0	45.0	49.9
77.5°	30.0	24.9	34.9	34.9	34.9	24.9	30.0	24.9	30.0	24.9	30.0
80°	15.0	19.9	15.0	24.9	15.0	19.9	15.0	24.9	15.0	19.9	19.9
82.5°	4.9	10.1	10.1	10.1	10.1	10.1	4.9	4.9	10.1	10.1	4.9
85°	0.0	10.1	4.9	4.9	4.9	10.1	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	0.0	0.0	4.9	0.0	0.0	4.9	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: P248549

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4
2.5°	10324.2	10309.2	10314.3	10284.3	10284.3	10274.2	10279.4	10254.3	10244.5	10234.4	10249.4
5°	10473.9	10449.0	10428.9	10384.1	10359.1	10329.3	10314.3	10274.2	10239.3	10209.3	10204.4
7.5°	10593.6	10538.8	10503.9	10443.9	10399.1	10364.2	10314.3	10259.3	10214.5	10174.4	10144.6
10°	10643.5	10588.7	10533.9	10458.9	10409.0	10344.1	10294.2	10224.3	10164.6	10109.7	10074.6
12.5°	10648.5	10578.6	10528.7	10443.9	10379.0	10309.2	10254.3	10174.4	10104.6	10049.8	9994.9
15°	10603.7	10538.8	10478.8	10389.1	10324.2	10259.3	10194.6	10109.7	10044.8	9979.9	9940.1
17.5°	10503.9	10443.9	10374.1	10289.2	10229.5	10169.5	10099.7	10029.8	9954.9	9885.0	9835.1
20°	10374.1	10309.2	10249.4	10164.6	10114.7	10049.8	9984.9	9910.1	9850.1	9780.3	9725.4
22.5°	10179.6	10119.6	10064.7	10014.8	9934.9	9885.0	9840.3	9755.4	9695.5	9630.6	9570.8
25°	9900.0	9840.3	9795.3	9735.3	9700.4	9645.5	9600.6	9525.8	9471.0	9411.0	9361.1
27.5°	9441.0	9406.1	9381.0	9346.1	9316.3	9291.2	9266.4	9206.4	9166.6	9111.7	9061.8
30°	8752.3	8747.4	8732.4	8717.4	8737.3	8737.3	8737.3	8727.5	8692.5	8652.5	8617.6
32.5°	7869.1	7879.2	7899.1	7914.1	7954.0	7998.9	8038.8	8058.7	8058.7	8033.8	8018.9
35°	6816.3	6831.3	6861.3	6901.1	6951.0	7005.9	7095.6	7115.8	7130.5	7130.5	7110.6
37.5°	5723.4	5718.5	5748.5	5783.4	5813.4	5853.2	5918.1	5933.1	5958.0	5948.1	5928.0
40°	4660.5	4635.7	4625.6	4635.7	4670.6	4655.6	4670.6	4660.5	4660.5	4625.6	4625.6
42.5°	3677.5	3647.7	3627.6	3612.8	3612.8	3577.7	3552.8	3528.0	3513.0	3487.9	3483.0
45°	2834.4	2799.3	2774.4	2764.3	2749.6	2704.6	2674.6	2644.6	2609.7	2599.8	2604.8
47.5°	2200.6	2165.6	2155.6	2130.7	2105.7	2080.8	2060.9	2026.0	2020.8	2000.9	2020.8
50°	1696.5	1686.7	1671.7	1661.6	1646.6	1626.7	1606.8	1586.8	1576.8	1576.8	1581.7
52.5°	1317.4	1322.3	1307.3	1292.3	1282.5	1282.5	1257.4	1252.5	1252.5	1232.5	1252.5
55°	1008.1	1002.9	1008.1	998.0	998.0	983.0	983.0	968.0	968.0	953.0	963.1
57.5°	738.6	748.4	738.6	743.5	753.6	738.6	733.4	718.5	728.5	718.5	723.6
60°	573.9	573.9	573.9	568.9	568.9	563.8	563.8	558.9	558.9	548.8	558.9
62.5°	424.1	429.1	429.1	429.1	434.2	429.1	424.1	429.1	424.1	424.1	429.1
65°	279.5	284.5	284.5	279.5	289.4	279.5	284.5	289.4	294.3	289.4	294.3
67.5°	189.6	189.6	194.7	199.6	194.7	199.6	204.6	199.6	204.6	214.6	204.6
70°	139.7	144.8	144.8	139.7	134.7	139.7	134.7	149.7	149.7	149.7	159.6
72.5°	89.8	89.8	84.8	84.8	84.8	84.8	84.8	99.8	89.8	84.8	94.9
75°	49.9	54.8	54.8	39.8	45.0	54.8	39.8	45.0	60.0	49.9	60.0
77.5°	30.0	30.0	30.0	30.0	30.0	30.0	39.8	34.9	34.9	34.9	39.8
80°	24.9	19.9	19.9	15.0	19.9	19.9	19.9	30.0	24.9	24.9	30.0
82.5°	10.1	10.1	4.9	0.0	10.1	10.1	10.1	10.1	10.1	10.1	19.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	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: P248549

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4
2.5°	10209.3	10209.3	10204.4	10194.6	10174.4	10174.4	10169.5	10154.5	10144.6	10139.5	10139.5
5°	10159.4	10139.5	10119.6	10064.7	10064.7	10054.7	10024.9	10004.8	9994.9	9969.9	9960.0
7.5°	10114.7	10054.7	10019.8	9984.9	9940.1	9919.9	9885.0	9870.0	9835.1	9810.3	9795.3
10°	10004.8	9964.9	9919.9	9865.1	9830.2	9790.3	9750.3	9720.5	9675.5	9650.5	9630.6
12.5°	9930.0	9870.0	9830.2	9770.2	9710.4	9675.5	9620.7	9585.8	9540.8	9490.9	9460.9
15°	9860.2	9795.3	9740.4	9675.5	9610.6	9570.8	9505.9	9466.0	9401.1	9351.2	9316.3
17.5°	9755.4	9700.4	9640.6	9560.7	9501.0	9451.0	9381.0	9331.3	9271.3	9206.4	9171.5
20°	9645.5	9580.6	9520.9	9441.0	9381.0	9321.2	9251.4	9196.6	9126.5	9066.8	9026.9
22.5°	9501.0	9426.0	9376.1	9296.2	9226.3	9161.6	9096.7	9031.8	8966.9	8917.0	8872.0
25°	9291.2	9211.4	9156.5	9091.6	9026.9	8977.0	8897.1	8857.3	8792.4	8747.4	8702.4
27.5°	8991.8	8932.0	8882.1	8817.2	8762.4	8722.5	8662.5	8622.7	8567.7	8527.8	8492.9
30°	8552.9	8503.0	8458.0	8393.1	8353.2	8318.3	8263.3	8228.4	8188.5	8143.5	8133.7
32.5°	7964.0	7924.0	7879.2	7834.2	7804.2	7784.3	7739.3	7719.4	7679.5	7654.5	7629.6
35°	7075.7	7040.8	7015.9	6996.0	6985.9	6990.9	6981.0	7000.9	7010.8	7005.9	7010.8
37.5°	5913.2	5893.1	5903.1	5918.1	5968.0	6032.9	6092.7	6182.5	6242.4	6302.4	6357.2
40°	4615.7	4630.7	4670.6	4760.3	4890.1	5034.9	5169.7	5339.3	5509.0	5628.7	5738.4
42.5°	3483.0	3528.0	3627.6	3757.4	3952.1	4166.6	4376.3	4625.6	4830.4	5029.8	5169.7
45°	2619.8	2679.5	2809.3	2989.0	3203.5	3453.0	3717.6	3996.9	4241.5	4446.1	4600.7
47.5°	2041.0	2095.8	2225.6	2415.2	2679.5	2939.1	3213.5	3502.9	3757.4	3957.1	4091.8
50°	1611.7	1681.5	1796.3	1996.0	2260.5	2534.9	2819.4	3103.7	3343.3	3513.0	3632.7
52.5°	1267.5	1332.4	1442.0	1651.7	1921.2	2195.6	2460.0	2739.5	2949.0	3113.7	3193.6
55°	983.0	1043.0	1157.6	1332.4	1586.8	1856.3	2120.7	2360.3	2554.9	2674.6	2749.6
57.5°	748.4	793.4	873.3	1047.9	1277.5	1526.9	1751.6	1991.1	2140.8	2225.6	2275.3
60°	568.9	603.8	688.7	823.4	1032.9	1247.5	1437.1	1616.8	1736.6	1806.4	1856.3
62.5°	429.1	469.1	528.9	643.7	803.3	978.1	1137.7	1272.4	1372.2	1417.2	1452.1
65°	294.3	324.3	369.3	459.0	593.8	718.5	843.3	943.2	1008.1	1058.0	1077.9
67.5°	219.6	239.5	264.5	334.4	429.1	528.9	613.7	683.5	753.6	773.5	808.4
70°	164.7	179.7	204.6	254.5	309.3	379.2	449.2	489.0	538.9	573.9	583.9
72.5°	104.7	109.7	134.7	164.7	209.5	254.5	299.5	334.4	364.4	384.3	394.1
75°	60.0	89.8	89.8	119.7	149.7	169.7	199.6	224.5	239.5	254.5	254.5
77.5°	39.8	54.8	60.0	74.8	89.8	114.8	139.7	154.7	169.7	174.6	174.6
80°	34.9	39.8	39.8	54.8	64.9	84.8	99.8	104.7	114.8	119.7	129.8
82.5°	15.0	19.9	24.9	39.8	45.0	45.0	60.0	64.9	74.8	79.9	79.9
85°	4.9	10.1	10.1	15.0	24.9	30.0	34.9	39.8	45.0	45.0	49.9
87.5°	4.9	4.9	0.0	4.9	10.1	10.1	19.9	19.9	19.9	30.0	30.0
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: P248549

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4	10219.4
2.5°	10129.7	10134.6	10114.7	10109.7	10099.7	10104.6	10114.7
5°	9945.0	9949.9	9930.0	9910.1	9910.1	9905.0	9910.1
7.5°	9770.2	9775.4	9745.4	9735.3	9715.4	9720.5	9720.5
10°	9595.6	9595.6	9550.9	9545.7	9530.7	9525.8	9525.8
12.5°	9426.0	9411.0	9376.1	9356.2	9366.2	9336.2	9336.2
15°	9276.3	9251.4	9206.4	9191.4	9166.6	9156.5	9156.5
17.5°	9121.6	9101.7	9061.8	9031.8	9001.9	8996.9	9001.9
20°	8971.9	8951.9	8902.0	8882.1	8857.3	8857.3	8847.2
22.5°	8822.1	8802.2	8757.4	8742.4	8707.5	8707.5	8712.5
25°	8667.5	8652.5	8602.6	8592.7	8587.8	8567.7	8577.7
27.5°	8458.0	8447.9	8408.1	8393.1	8373.2	8368.2	8378.1
30°	8073.7	8058.7	8028.9	8013.9	7979.0	7983.9	7993.8
32.5°	7594.7	7574.8	7534.7	7519.8	7490.0	7479.9	7484.8
35°	6996.0	6981.0	6946.1	6946.1	6916.1	6906.0	6916.1
37.5°	6387.2	6402.0	6387.2	6402.0	6387.2	6382.1	6387.2
40°	5813.4	5868.2	5878.1	5933.1	5913.2	5943.0	5938.0
42.5°	5264.4	5354.1	5389.2	5434.0	5424.2	5444.1	5459.1
45°	4710.4	4785.4	4820.3	4850.3	4855.2	4865.3	4870.2
47.5°	4186.5	4246.4	4251.4	4286.3	4281.4	4281.4	4296.4
50°	3697.6	3737.5	3747.3	3772.4	3752.5	3742.4	3747.3
52.5°	3243.5	3283.4	3273.3	3283.4	3258.5	3248.5	3253.4
55°	2779.3	2799.3	2799.3	2799.3	2769.5	2769.5	2769.5
57.5°	2305.3	2310.4	2300.4	2305.3	2300.4	2270.4	2265.5
60°	1871.3	1871.3	1866.2	1871.3	1856.3	1841.3	1841.3
62.5°	1462.0	1472.0	1492.0	1472.0	1462.0	1472.0	1457.0
65°	1092.9	1112.8	1107.7	1117.7	1112.8	1112.8	1102.7
67.5°	823.4	828.3	833.3	838.4	838.4	838.4	838.4
70°	603.8	618.8	613.7	613.7	613.7	613.7	643.7
72.5°	404.2	424.1	419.2	429.1	429.1	439.1	429.1
75°	274.4	294.3	284.5	299.5	294.3	284.5	309.3
77.5°	184.6	194.7	199.6	204.6	199.6	194.7	199.6
80°	129.8	139.7	134.7	139.7	139.7	139.7	144.8
82.5°	79.9	94.9	89.8	94.9	89.8	94.9	94.9
85°	54.8	60.0	49.9	60.0	54.8	54.8	64.9
87.5°	34.9	30.0	30.0	34.9	30.0	34.9	30.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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