

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: P248666

Luminaire Tested: **LD8B175D010 ER8B175830 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248666
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 ER8B175830 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17490.0 lumens
Efficiency: N/A
Efficacy: 98.7 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

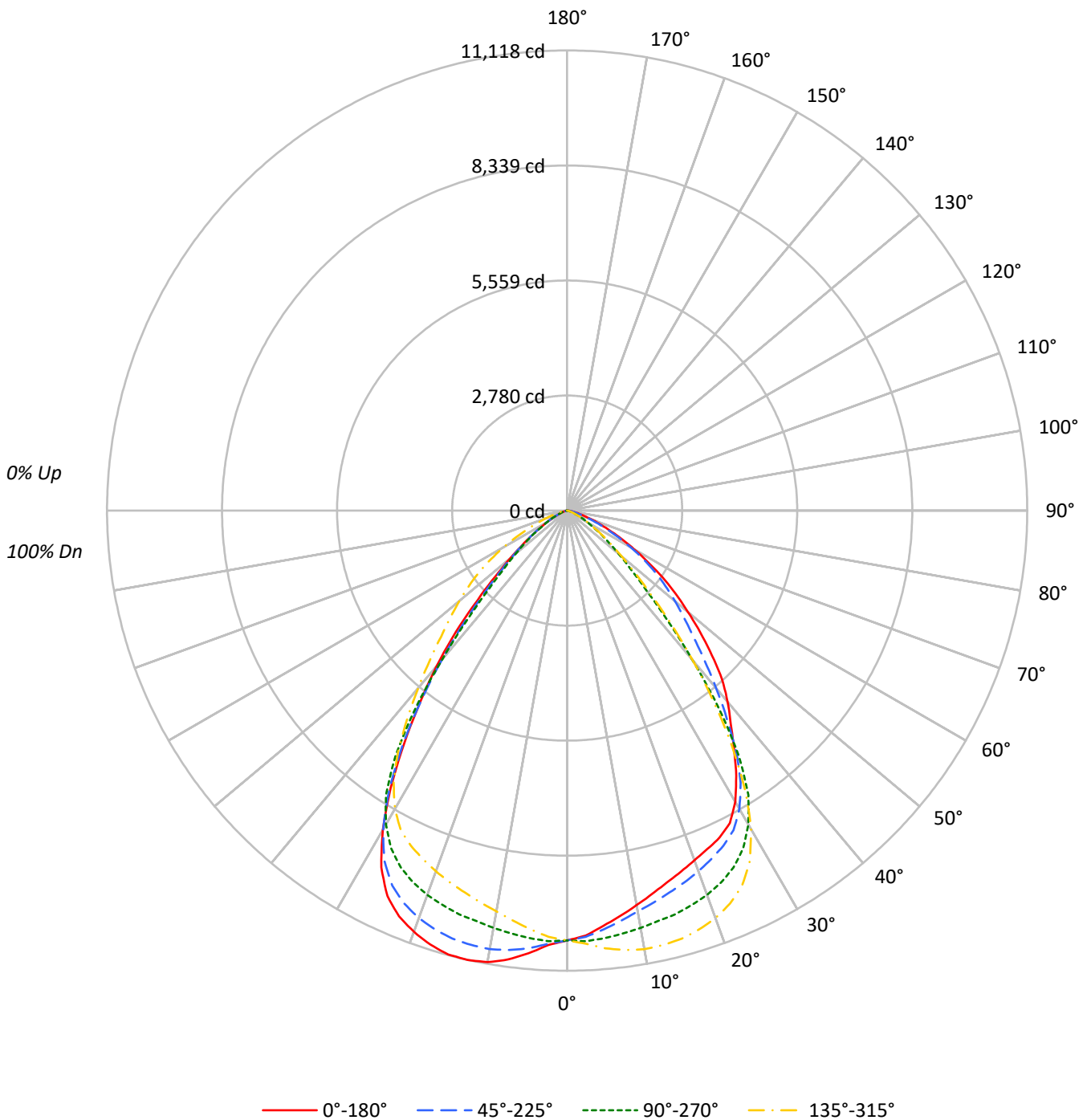
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	320183	320183	320183	320183
5°	311677	320932	332391	320932
10°	303053	320513	346868	320513
15°	296999	322414	354460	322414
20°	294977	324261	355370	324261
25°	296530	323610	349659	323610
30°	289198	311762	317366	311762
35°	264526	271964	258036	271964
40°	242864	189186	197558	189186
45°	215791	115412	133540	115412
50°	182652	77097	85617	77097
55°	151279	52606	55600	52606
60°	115377	35018	35326	35018
65°	81750	21817	19978	21817
70°	58964	14615	13262	14615
75°	37446	7256	6041	7256
80°	26122	5416	4493	5416
85°	23316	0	1769	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	988.3	5.7
10°-20°	2861.9	16.4
20°-30°	4333.5	24.8
30°-40°	4343.3	24.8
40°-50°	2727.3	15.6
50°-60°	1453.4	8.3
60°-70°	597.7	3.4
70°-80°	157.9	0.9
80°-90°	26.7	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°	8183.7	46.8
0°-40°	12527.0	71.6
0°-60°	16707.7	95.5
0°-90°	17490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17490.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10383	10383	10383	10383	10383	
5°	10069	10368	10738	10368	10069	950
15°	9303	10099	11103	10099	9303	2631
25°	8715	9511	10277	9511	8715	3997
35°	7027	7225	6855	7225	7027	4402
45°	4948	2646	3062	2646	4948	3806
55°	2814	978	1034	978	2814	2509
65°	1120	299	274	299	1120	1162
75°	314	61	51	61	314	356
85°	66	0	5	0	66	72
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°	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3
2.5°	10276.8	10266.6	10261.6	10271.8	10276.8	10297.1	10292.1	10302.1	10302.1	10307.3	10317.3
5°	10069.0	10063.8	10069.0	10069.0	10089.2	10109.5	10104.5	10119.7	10129.7	10155.2	10165.2
7.5°	9876.4	9876.4	9871.1	9891.4	9901.6	9932.1	9926.9	9952.3	9967.6	9992.8	10028.3
10°	9678.5	9678.5	9683.5	9698.8	9704.0	9749.5	9749.5	9785.0	9805.2	9830.7	9876.4
12.5°	9485.9	9485.9	9516.4	9506.2	9526.4	9561.9	9577.1	9612.6	9643.1	9693.8	9739.5
15°	9303.3	9303.3	9313.5	9338.8	9354.0	9399.7	9425.0	9465.7	9501.2	9551.9	9617.8
17.5°	9146.2	9141.2	9146.2	9176.7	9207.1	9247.6	9267.8	9318.6	9354.0	9420.0	9480.9
20°	8989.0	8999.3	8999.3	9024.5	9044.8	9095.5	9115.7	9171.6	9212.1	9272.9	9344.0
22.5°	8852.1	8847.1	8847.1	8882.6	8897.8	8943.3	8963.6	9014.3	9060.0	9110.7	9176.7
25°	8715.3	8705.0	8725.5	8730.5	8740.5	8791.2	8806.4	8841.9	8887.6	8933.3	8999.3
27.5°	8512.4	8502.4	8507.4	8527.6	8542.9	8583.4	8593.6	8629.1	8664.5	8705.0	8761.0
30°	8122.0	8111.9	8106.9	8142.4	8157.6	8187.9	8203.1	8264.1	8274.1	8319.8	8360.3
32.5°	7604.8	7599.8	7610.1	7640.3	7655.6	7696.2	7716.5	7752.0	7777.2	7802.7	7843.2
35°	7027.0	7016.8	7027.0	7057.5	7057.5	7092.9	7108.2	7123.2	7118.2	7123.2	7113.2
37.5°	6489.6	6484.4	6489.6	6504.7	6489.6	6504.7	6489.6	6459.2	6403.5	6342.5	6281.6
40°	6033.3	6038.3	6008.0	6028.2	5972.3	5962.3	5906.6	5830.4	5719.0	5597.3	5424.9
42.5°	5546.6	5531.4	5511.1	5521.1	5475.6	5440.0	5348.8	5252.6	5110.5	4907.8	4699.8
45°	4948.3	4943.3	4933.1	4928.1	4897.6	4862.1	4785.9	4674.5	4517.4	4309.5	4061.0
47.5°	4365.2	4350.0	4350.0	4355.0	4319.5	4314.5	4253.6	4157.4	4020.5	3817.7	3559.1
50°	3807.4	3802.4	3812.6	3832.9	3807.4	3797.4	3756.9	3691.0	3569.3	3397.0	3153.4
52.5°	3305.5	3300.5	3310.8	3336.0	3325.8	3336.0	3295.5	3244.8	3163.6	2996.3	2783.4
55°	2813.9	2813.9	2813.9	2844.1	2844.1	2844.1	2823.9	2793.6	2717.5	2595.8	2398.2
57.5°	2301.8	2306.8	2337.3	2342.3	2337.3	2347.5	2342.3	2311.8	2261.3	2175.1	2023.0
60°	1870.8	1870.8	1886.1	1901.3	1896.1	1901.3	1901.3	1886.1	1835.4	1764.4	1642.8
62.5°	1480.4	1495.6	1485.4	1495.6	1515.9	1495.6	1485.4	1475.4	1439.9	1394.2	1292.8
65°	1120.4	1130.6	1130.6	1135.7	1125.4	1130.6	1110.4	1095.2	1074.9	1024.2	958.3
67.5°	851.8	851.8	851.8	851.8	846.6	841.6	836.6	821.4	785.9	765.7	694.5
70°	654.0	623.5	623.5	623.5	623.5	628.8	613.5	593.3	583.1	547.6	496.9
72.5°	435.9	446.2	435.9	435.9	425.9	430.9	410.7	400.5	390.4	370.2	339.7
75°	314.3	289.0	299.0	304.3	289.0	299.0	278.8	258.6	258.6	243.3	228.1
77.5°	202.8	197.8	202.8	207.8	202.8	197.8	187.6	177.4	177.4	172.4	157.1
80°	147.1	141.9	141.9	141.9	136.9	141.9	131.9	131.9	121.7	116.7	106.4
82.5°	96.4	96.4	91.2	96.4	91.2	96.4	81.2	81.2	81.2	76.0	65.9
85°	65.9	55.7	55.7	60.9	50.7	60.9	55.7	50.7	45.7	45.7	40.5
87.5°	30.5	35.5	30.5	35.5	30.5	30.5	35.5	30.5	30.5	20.2	20.2
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°	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3
2.5°	10332.5	10337.6	10337.6	10358.0	10368.0	10373.0	10373.0	10413.7	10398.5	10408.7	10418.7
5°	10185.6	10215.9	10226.1	10226.1	10281.8	10302.1	10322.3	10368.0	10373.0	10403.5	10439.0
7.5°	10043.5	10079.0	10099.4	10144.9	10180.4	10215.9	10276.8	10307.3	10337.6	10378.3	10423.7
10°	9906.6	9947.3	9987.8	10023.3	10079.0	10124.7	10165.2	10236.1	10271.8	10327.5	10388.3
12.5°	9774.9	9830.7	9866.1	9926.9	9987.8	10028.3	10089.2	10155.2	10210.9	10266.6	10337.6
15°	9658.3	9724.2	9764.7	9830.7	9896.6	9952.3	10018.3	10099.4	10139.9	10205.9	10271.8
17.5°	9531.4	9602.6	9653.3	9714.0	9795.2	9855.9	9911.8	9992.8	10043.5	10114.5	10190.6
20°	9399.7	9470.7	9531.4	9592.3	9673.5	9734.3	9800.2	9881.4	9937.1	10008.0	10069.0
22.5°	9242.6	9308.5	9374.3	9445.2	9526.4	9577.1	9653.3	9724.2	9785.0	9850.9	9911.8
25°	9039.8	9120.9	9171.6	9237.4	9303.3	9359.0	9440.2	9511.2	9561.9	9622.8	9678.5
27.5°	8801.4	8862.4	8902.9	8958.6	9024.5	9075.2	9136.0	9207.1	9257.8	9313.5	9354.0
30°	8395.8	8451.7	8487.2	8527.6	8593.6	8639.3	8690.0	8755.7	8791.2	8831.9	8867.4
32.5°	7863.4	7909.1	7929.3	7959.8	8005.5	8051.0	8091.7	8147.4	8162.7	8187.9	8187.9
35°	7092.9	7103.0	7098.0	7108.2	7128.4	7153.7	7189.1	7224.6	7244.9	7244.9	7229.8
37.5°	6190.4	6129.7	6063.7	6013.0	5997.8	5987.5	6008.0	6023.0	6043.5	6053.5	6028.2
40°	5252.6	5115.7	4968.5	4836.7	4745.5	4705.0	4689.7	4699.8	4699.8	4735.2	4735.2
42.5°	4446.4	4233.4	4015.5	3817.7	3685.8	3584.6	3538.9	3538.9	3543.9	3569.3	3584.6
45°	3777.2	3508.4	3254.8	3037.0	2854.4	2722.5	2661.8	2646.5	2641.5	2651.5	2687.0
47.5°	3265.1	2986.3	2722.5	2453.9	2261.3	2129.4	2073.7	2053.2	2033.0	2053.2	2058.5
50°	2864.6	2575.6	2296.8	2028.0	1825.1	1708.5	1637.5	1607.1	1602.1	1602.1	1612.3
52.5°	2499.4	2230.8	1952.0	1678.2	1465.2	1353.7	1287.8	1272.6	1252.3	1272.6	1272.6
55°	2154.7	1886.1	1612.3	1353.7	1176.1	1059.7	998.8	978.5	968.3	983.5	983.5
57.5°	1779.7	1551.4	1298.0	1064.7	887.3	806.1	760.4	735.2	730.0	740.2	730.0
60°	1460.2	1267.5	1049.5	836.6	699.7	613.5	578.1	567.8	557.6	567.8	567.8
62.5°	1155.9	993.8	816.2	654.0	537.4	476.6	435.9	435.9	430.9	430.9	435.9
65°	856.9	730.0	603.3	466.4	375.2	329.5	299.0	299.0	294.0	299.0	294.0
67.5°	623.5	537.4	435.9	339.7	268.8	243.3	223.1	207.8	218.1	207.8	202.8
70°	456.4	385.2	314.3	258.6	207.8	182.6	167.4	162.1	152.1	152.1	152.1
72.5°	304.3	258.6	212.9	167.4	136.9	111.4	106.4	96.4	86.2	91.2	101.4
75°	202.8	172.4	152.1	121.7	91.2	91.2	60.9	60.9	50.7	60.9	45.7
77.5°	141.9	116.7	91.2	76.0	60.9	55.7	40.5	40.5	35.5	35.5	35.5
80°	101.4	86.2	65.9	55.7	40.5	40.5	35.5	30.5	25.3	25.3	30.5
82.5°	60.9	45.7	45.7	40.5	25.3	20.2	15.2	20.2	10.2	10.2	10.2
85°	35.5	30.5	25.3	15.2	10.2	10.2	5.0	0.0	5.0	5.0	0.0
87.5°	20.2	10.2	10.2	5.0	0.0	5.0	5.0	0.0	0.0	0.0	10.2
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°	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3
2.5°	10444.2	10439.0	10449.2	10449.2	10479.7	10474.5	10489.7	10489.7	10479.7	10484.7	10504.9
5°	10479.7	10494.9	10525.2	10550.6	10596.1	10616.6	10641.8	10667.3	10672.3	10687.5	10702.8
7.5°	10479.7	10530.4	10565.9	10611.4	10672.3	10707.8	10763.5	10809.2	10829.4	10854.7	10885.1
10°	10459.2	10509.9	10575.9	10626.6	10702.8	10758.5	10814.2	10885.1	10915.6	10956.1	10996.8
12.5°	10418.7	10474.5	10545.4	10611.4	10697.5	10748.2	10819.2	10885.1	10930.8	10986.6	11032.3
15°	10358.0	10423.7	10489.7	10555.6	10646.8	10707.8	10773.7	10849.7	10895.4	10956.1	10996.8
17.5°	10261.6	10332.5	10393.5	10454.2	10540.4	10611.4	10672.3	10743.2	10788.9	10839.7	10895.4
20°	10144.9	10210.9	10276.8	10327.5	10413.7	10474.5	10540.4	10606.3	10641.8	10652.0	10738.2
22.5°	9998.0	10043.5	10094.2	10175.4	10226.1	10281.8	10342.8	10403.5	10439.0	10494.9	10525.2
25°	9754.5	9800.2	9855.9	9891.4	9952.3	9998.0	10058.8	10124.7	10144.9	10185.6	10215.9
27.5°	9415.0	9440.2	9465.7	9495.9	9531.4	9556.9	9592.3	9622.8	9643.1	9663.3	9683.5
30°	8877.4	8877.4	8877.4	8857.2	8872.4	8887.6	8892.6	8887.6	8887.6	8882.6	8882.6
32.5°	8167.7	8127.2	8081.5	8041.0	8025.8	8005.5	7995.3	7980.1	7954.8	7939.6	7944.6
35°	7209.4	7118.2	7062.5	7011.8	6971.3	6940.8	6925.6	6910.3	6905.3	6885.1	6864.6
37.5°	6013.0	5947.1	5906.6	5876.1	5840.6	5810.2	5815.2	5820.4	5835.4	5825.4	5830.4
40°	4745.5	4730.2	4745.5	4710.0	4699.8	4710.0	4735.2	4770.9	4791.2	4811.4	4846.9
42.5°	3609.8	3635.1	3670.7	3670.7	3685.8	3706.2	3736.5	3792.4	3822.7	3858.1	3898.8
45°	2717.5	2747.9	2793.6	2808.7	2818.9	2844.1	2879.8	2925.3	2945.6	2976.0	3011.5
47.5°	2093.9	2114.2	2139.4	2164.9	2190.1	2200.4	2235.8	2235.8	2261.3	2281.5	2291.6
50°	1632.5	1652.8	1673.0	1688.2	1698.5	1713.7	1723.7	1739.0	1744.0	1754.2	1759.2
52.5°	1277.6	1303.0	1303.0	1313.0	1328.3	1343.5	1338.5	1343.5	1348.5	1348.5	1363.7
55°	998.8	998.8	1014.0	1014.0	1024.2	1019.0	1024.2	1024.2	1024.2	1024.2	1029.2
57.5°	745.2	750.4	765.7	755.4	750.4	760.4	750.4	760.4	755.4	765.7	750.4
60°	572.8	572.8	578.1	578.1	583.1	583.1	583.1	578.1	578.1	572.8	572.8
62.5°	430.9	435.9	441.2	435.9	435.9	435.9	430.9	430.9	425.9	420.7	420.7
65°	289.0	284.0	294.0	284.0	289.0	289.0	284.0	289.0	273.8	278.8	273.8
67.5°	207.8	202.8	197.8	202.8	197.8	192.6	192.6	197.8	202.8	187.6	187.6
70°	136.9	141.9	136.9	141.9	147.1	147.1	141.9	136.9	141.9	131.9	136.9
72.5°	86.2	86.2	86.2	86.2	86.2	91.2	91.2	91.2	81.2	81.2	76.0
75°	40.5	55.7	45.7	40.5	55.7	55.7	50.7	50.7	45.7	45.7	45.7
77.5°	40.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	25.3	30.5	25.3
80°	20.2	20.2	20.2	15.2	20.2	20.2	25.3	20.2	20.2	15.2	25.3
82.5°	10.2	10.2	10.2	0.0	5.0	10.2	10.2	5.0	10.2	10.2	5.0
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: P248666

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3
2.5°	10499.9	10494.9	10499.9	10504.9	10499.9	10494.9	10499.9	10504.9	10484.7	10479.7	10489.7
5°	10723.0	10723.0	10733.0	10738.2	10733.0	10723.0	10723.0	10702.8	10687.5	10672.3	10667.3
7.5°	10915.6	10925.8	10935.9	10940.9	10935.9	10925.8	10915.6	10885.1	10854.7	10829.4	10809.2
10°	11032.3	11047.5	11067.7	11077.8	11067.7	11047.5	11032.3	10996.8	10956.1	10915.6	10885.1
12.5°	11083.0	11098.2	11123.5	11118.5	11123.5	11098.2	11083.0	11032.3	10986.6	10930.8	10885.1
15°	11047.5	11067.7	11093.0	11103.2	11093.0	11067.7	11047.5	10996.8	10956.1	10895.4	10849.7
17.5°	10935.9	10966.3	10981.6	10996.8	10981.6	10966.3	10935.9	10895.4	10839.7	10788.9	10743.2
20°	10783.7	10804.2	10824.4	10829.4	10824.4	10804.2	10783.7	10738.2	10652.0	10641.8	10606.3
22.5°	10565.9	10581.1	10626.6	10611.4	10626.6	10581.1	10565.9	10525.2	10494.9	10439.0	10403.5
25°	10251.4	10266.6	10271.8	10276.8	10271.8	10266.6	10251.4	10215.9	10185.6	10144.9	10124.7
27.5°	9709.0	9709.0	9719.0	9724.2	9719.0	9709.0	9709.0	9683.5	9663.3	9643.1	9622.8
30°	8887.6	8887.6	8887.6	8913.1	8887.6	8887.6	8887.6	8882.6	8882.6	8887.6	8887.6
32.5°	7939.6	7929.3	7919.3	7929.3	7919.3	7929.3	7939.6	7944.6	7939.6	7954.8	7980.1
35°	6864.6	6859.6	6874.9	6854.6	6874.9	6859.6	6864.6	6864.6	6885.1	6905.3	6910.3
37.5°	5835.4	5825.4	5845.6	5825.4	5845.6	5825.4	5835.4	5830.4	5825.4	5835.4	5820.4
40°	4857.1	4867.1	4867.1	4907.8	4867.1	4867.1	4857.1	4846.9	4811.4	4791.2	4770.9
42.5°	3919.1	3949.5	3939.3	3969.8	3939.3	3949.5	3919.1	3898.8	3858.1	3822.7	3792.4
45°	3031.8	3052.2	3052.2	3062.2	3052.2	3052.2	3031.8	3011.5	2976.0	2945.6	2925.3
47.5°	2327.0	2327.0	2327.0	2332.2	2327.0	2327.0	2327.0	2291.6	2281.5	2261.3	2235.8
50°	1769.4	1774.4	1779.7	1784.7	1779.7	1774.4	1769.4	1759.2	1754.2	1744.0	1739.0
52.5°	1358.7	1363.7	1353.7	1363.7	1353.7	1363.7	1358.7	1363.7	1348.5	1348.5	1343.5
55°	1029.2	1024.2	1029.2	1034.2	1029.2	1024.2	1029.2	1029.2	1024.2	1024.2	1024.2
57.5°	755.4	745.2	745.2	745.2	745.2	745.2	755.4	750.4	765.7	755.4	760.4
60°	562.8	567.8	567.8	572.8	567.8	567.8	562.8	572.8	572.8	578.1	578.1
62.5°	415.7	430.9	420.7	430.9	420.7	430.9	415.7	420.7	420.7	425.9	430.9
65°	268.8	268.8	268.8	273.8	268.8	268.8	268.8	273.8	278.8	273.8	289.0
67.5°	182.6	187.6	197.8	192.6	197.8	187.6	182.6	187.6	187.6	202.8	197.8
70°	147.1	131.9	131.9	147.1	131.9	131.9	147.1	136.9	131.9	141.9	136.9
72.5°	86.2	76.0	86.2	86.2	86.2	76.0	86.2	76.0	81.2	81.2	91.2
75°	45.7	40.5	35.5	50.7	35.5	40.5	45.7	45.7	45.7	45.7	50.7
77.5°	30.5	25.3	35.5	35.5	35.5	25.3	30.5	25.3	30.5	25.3	30.5
80°	15.2	20.2	15.2	25.3	15.2	20.2	15.2	25.3	15.2	20.2	20.2
82.5°	5.0	10.2	10.2	10.2	10.2	10.2	5.0	5.0	10.2	10.2	5.0
85°	0.0	10.2	5.0	5.0	5.0	10.2	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	0.0	0.0	5.0	0.0	0.0	5.0	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: P248666

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3
2.5°	10489.7	10474.5	10479.7	10449.2	10449.2	10439.0	10444.2	10418.7	10408.7	10398.5	10413.7
5°	10641.8	10616.6	10596.1	10550.6	10525.2	10494.9	10479.7	10439.0	10403.5	10373.0	10368.0
7.5°	10763.5	10707.8	10672.3	10611.4	10565.9	10530.4	10479.7	10423.7	10378.3	10337.6	10307.3
10°	10814.2	10758.5	10702.8	10626.6	10575.9	10509.9	10459.2	10388.3	10327.5	10271.8	10236.1
12.5°	10819.2	10748.2	10697.5	10611.4	10545.4	10474.5	10418.7	10337.6	10266.6	10210.9	10155.2
15°	10773.7	10707.8	10646.8	10555.6	10489.7	10423.7	10358.0	10271.8	10205.9	10139.9	10099.4
17.5°	10672.3	10611.4	10540.4	10454.2	10393.5	10332.5	10261.6	10190.6	10114.5	10043.5	9992.8
20°	10540.4	10474.5	10413.7	10327.5	10276.8	10210.9	10144.9	10069.0	10008.0	9937.1	9881.4
22.5°	10342.8	10281.8	10226.1	10175.4	10094.2	10043.5	9998.0	9911.8	9850.9	9785.0	9724.2
25°	10058.8	9998.0	9952.3	9891.4	9855.9	9800.2	9754.5	9678.5	9622.8	9561.9	9511.2
27.5°	9592.3	9556.9	9531.4	9495.9	9465.7	9440.2	9415.0	9354.0	9313.5	9257.8	9207.1
30°	8892.6	8887.6	8872.4	8857.2	8877.4	8877.4	8877.4	8867.4	8831.9	8791.2	8755.7
32.5°	7995.3	8005.5	8025.8	8041.0	8081.5	8127.2	8167.7	8187.9	8187.9	8162.7	8147.4
35°	6925.6	6940.8	6971.3	7011.8	7062.5	7118.2	7209.4	7229.8	7244.9	7244.9	7224.6
37.5°	5815.2	5810.2	5840.6	5876.1	5906.6	5947.1	6013.0	6028.2	6053.5	6043.5	6023.0
40°	4735.2	4710.0	4699.8	4710.0	4745.5	4730.2	4745.5	4735.2	4735.2	4699.8	4699.8
42.5°	3736.5	3706.2	3685.8	3670.7	3670.7	3635.1	3609.8	3584.6	3569.3	3543.9	3538.9
45°	2879.8	2844.1	2818.9	2808.7	2793.6	2747.9	2717.5	2687.0	2651.5	2641.5	2646.5
47.5°	2235.8	2200.4	2190.1	2164.9	2139.4	2114.2	2093.9	2058.5	2053.2	2033.0	2053.2
50°	1723.7	1713.7	1698.5	1688.2	1673.0	1652.8	1632.5	1612.3	1602.1	1602.1	1607.1
52.5°	1338.5	1343.5	1328.3	1313.0	1303.0	1303.0	1277.6	1272.6	1272.6	1252.3	1272.6
55°	1024.2	1019.0	1024.2	1014.0	1014.0	998.8	998.8	983.5	983.5	968.3	978.5
57.5°	750.4	760.4	750.4	755.4	765.7	750.4	745.2	730.0	740.2	730.0	735.2
60°	583.1	583.1	583.1	578.1	578.1	572.8	572.8	567.8	567.8	557.6	567.8
62.5°	430.9	435.9	435.9	435.9	441.2	435.9	430.9	435.9	430.9	430.9	435.9
65°	284.0	289.0	289.0	284.0	294.0	284.0	289.0	294.0	299.0	294.0	299.0
67.5°	192.6	192.6	197.8	202.8	197.8	202.8	207.8	202.8	207.8	218.1	207.8
70°	141.9	147.1	147.1	141.9	136.9	141.9	136.9	152.1	152.1	152.1	162.1
72.5°	91.2	91.2	86.2	86.2	86.2	86.2	86.2	101.4	91.2	86.2	96.4
75°	50.7	55.7	55.7	40.5	45.7	55.7	40.5	45.7	60.9	50.7	60.9
77.5°	30.5	30.5	30.5	30.5	30.5	30.5	40.5	35.5	35.5	35.5	40.5
80°	25.3	20.2	20.2	15.2	20.2	20.2	20.2	30.5	25.3	25.3	30.5
82.5°	10.2	10.2	5.0	0.0	10.2	10.2	10.2	10.2	10.2	10.2	20.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	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: P248666

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3
2.5°	10373.0	10373.0	10368.0	10358.0	10337.6	10337.6	10332.5	10317.3	10307.3	10302.1	10302.1
5°	10322.3	10302.1	10281.8	10226.1	10226.1	10215.9	10185.6	10165.2	10155.2	10129.7	10119.7
7.5°	10276.8	10215.9	10180.4	10144.9	10099.4	10079.0	10043.5	10028.3	9992.8	9967.6	9952.3
10°	10165.2	10124.7	10079.0	10023.3	9987.8	9947.3	9906.6	9876.4	9830.7	9805.2	9785.0
12.5°	10089.2	10028.3	9987.8	9926.9	9866.1	9830.7	9774.9	9739.5	9693.8	9643.1	9612.6
15°	10018.3	9952.3	9896.6	9830.7	9764.7	9724.2	9658.3	9617.8	9551.9	9501.2	9465.7
17.5°	9911.8	9855.9	9795.2	9714.0	9653.3	9602.6	9531.4	9480.9	9420.0	9354.0	9318.6
20°	9800.2	9734.3	9673.5	9592.3	9531.4	9470.7	9399.7	9344.0	9272.9	9212.1	9171.6
22.5°	9653.3	9577.1	9526.4	9445.2	9374.3	9308.5	9242.6	9176.7	9110.7	9060.0	9014.3
25°	9440.2	9359.0	9303.3	9237.4	9171.6	9120.9	9039.8	8999.3	8933.3	8887.6	8841.9
27.5°	9136.0	9075.2	9024.5	8958.6	8902.9	8862.4	8801.4	8761.0	8705.0	8664.5	8629.1
30°	8690.0	8639.3	8593.6	8527.6	8487.2	8451.7	8395.8	8360.3	8319.8	8274.1	8264.1
32.5°	8091.7	8051.0	8005.5	7959.8	7929.3	7909.1	7863.4	7843.2	7802.7	7777.2	7752.0
35°	7189.1	7153.7	7128.4	7108.2	7098.0	7103.0	7092.9	7113.2	7123.2	7118.2	7123.2
37.5°	6008.0	5987.5	5997.8	6013.0	6063.7	6129.7	6190.4	6281.6	6342.5	6403.5	6459.2
40°	4689.7	4705.0	4745.5	4836.7	4968.5	5115.7	5252.6	5424.9	5597.3	5719.0	5830.4
42.5°	3538.9	3584.6	3685.8	3817.7	4015.5	4233.4	4446.4	4699.8	4907.8	5110.5	5252.6
45°	2661.8	2722.5	2854.4	3037.0	3254.8	3508.4	3777.2	4061.0	4309.5	4517.4	4674.5
47.5°	2073.7	2129.4	2261.3	2453.9	2722.5	2986.3	3265.1	3559.1	3817.7	4020.5	4157.4
50°	1637.5	1708.5	1825.1	2028.0	2296.8	2575.6	2864.6	3153.4	3397.0	3569.3	3691.0
52.5°	1287.8	1353.7	1465.2	1678.2	1952.0	2230.8	2499.4	2783.4	2996.3	3163.6	3244.8
55°	998.8	1059.7	1176.1	1353.7	1612.3	1886.1	2154.7	2398.2	2595.8	2717.5	2793.6
57.5°	760.4	806.1	887.3	1064.7	1298.0	1551.4	1779.7	2023.0	2175.1	2261.3	2311.8
60°	578.1	613.5	699.7	836.6	1049.5	1267.5	1460.2	1642.8	1764.4	1835.4	1886.1
62.5°	435.9	476.6	537.4	654.0	816.2	993.8	1155.9	1292.8	1394.2	1439.9	1475.4
65°	299.0	329.5	375.2	466.4	603.3	730.0	856.9	958.3	1024.2	1074.9	1095.2
67.5°	223.1	243.3	268.8	339.7	435.9	537.4	623.5	694.5	765.7	785.9	821.4
70°	167.4	182.6	207.8	258.6	314.3	385.2	456.4	496.9	547.6	583.1	593.3
72.5°	106.4	111.4	136.9	167.4	212.9	258.6	304.3	339.7	370.2	390.4	400.5
75°	60.9	91.2	91.2	121.7	152.1	172.4	202.8	228.1	243.3	258.6	258.6
77.5°	40.5	55.7	60.9	76.0	91.2	116.7	141.9	157.1	172.4	177.4	177.4
80°	35.5	40.5	40.5	55.7	65.9	86.2	101.4	106.4	116.7	121.7	131.9
82.5°	15.2	20.2	25.3	40.5	45.7	45.7	60.9	65.9	76.0	81.2	81.2
85°	5.0	10.2	10.2	15.2	25.3	30.5	35.5	40.5	45.7	45.7	50.7
87.5°	5.0	5.0	0.0	5.0	10.2	10.2	20.2	20.2	20.2	30.5	30.5
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: P248666

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3	10383.3
2.5°	10292.1	10297.1	10276.8	10271.8	10261.6	10266.6	10276.8
5°	10104.5	10109.5	10089.2	10069.0	10069.0	10063.8	10069.0
7.5°	9926.9	9932.1	9901.6	9891.4	9871.1	9876.4	9876.4
10°	9749.5	9749.5	9704.0	9698.8	9683.5	9678.5	9678.5
12.5°	9577.1	9561.9	9526.4	9506.2	9516.4	9485.9	9485.9
15°	9425.0	9399.7	9354.0	9338.8	9313.5	9303.3	9303.3
17.5°	9267.8	9247.6	9207.1	9176.7	9146.2	9141.2	9146.2
20°	9115.7	9095.5	9044.8	9024.5	8999.3	8999.3	8989.0
22.5°	8963.6	8943.3	8897.8	8882.6	8847.1	8847.1	8852.1
25°	8806.4	8791.2	8740.5	8730.5	8725.5	8705.0	8715.3
27.5°	8593.6	8583.4	8542.9	8527.6	8507.4	8502.4	8512.4
30°	8203.1	8187.9	8157.6	8142.4	8106.9	8111.9	8122.0
32.5°	7716.5	7696.2	7655.6	7640.3	7610.1	7599.8	7604.8
35°	7108.2	7092.9	7057.5	7057.5	7027.0	7016.8	7027.0
37.5°	6489.6	6504.7	6489.6	6504.7	6489.6	6484.4	6489.6
40°	5906.6	5962.3	5972.3	6028.2	6008.0	6038.3	6033.3
42.5°	5348.8	5440.0	5475.6	5521.1	5511.1	5531.4	5546.6
45°	4785.9	4862.1	4897.6	4928.1	4933.1	4943.3	4948.3
47.5°	4253.6	4314.5	4319.5	4355.0	4350.0	4350.0	4365.2
50°	3756.9	3797.4	3807.4	3832.9	3812.6	3802.4	3807.4
52.5°	3295.5	3336.0	3325.8	3336.0	3310.8	3300.5	3305.5
55°	2823.9	2844.1	2844.1	2844.1	2813.9	2813.9	2813.9
57.5°	2342.3	2347.5	2337.3	2342.3	2337.3	2306.8	2301.8
60°	1901.3	1901.3	1896.1	1901.3	1886.1	1870.8	1870.8
62.5°	1485.4	1495.6	1515.9	1495.6	1485.4	1495.6	1480.4
65°	1110.4	1130.6	1125.4	1135.7	1130.6	1130.6	1120.4
67.5°	836.6	841.6	846.6	851.8	851.8	851.8	851.8
70°	613.5	628.8	623.5	623.5	623.5	623.5	654.0
72.5°	410.7	430.9	425.9	435.9	435.9	446.2	435.9
75°	278.8	299.0	289.0	304.3	299.0	289.0	314.3
77.5°	187.6	197.8	202.8	207.8	202.8	197.8	202.8
80°	131.9	141.9	136.9	141.9	141.9	141.9	147.1
82.5°	81.2	96.4	91.2	96.4	91.2	96.4	96.4
85°	55.7	60.9	50.7	60.9	55.7	55.7	65.9
87.5°	35.5	30.5	30.5	35.5	30.5	35.5	30.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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