

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: P248774

Luminaire Tested: **LD8B175D010 ER8B175830 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248774
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 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16330.0 lumens
Efficiency: N/A
Efficacy: 92.2 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

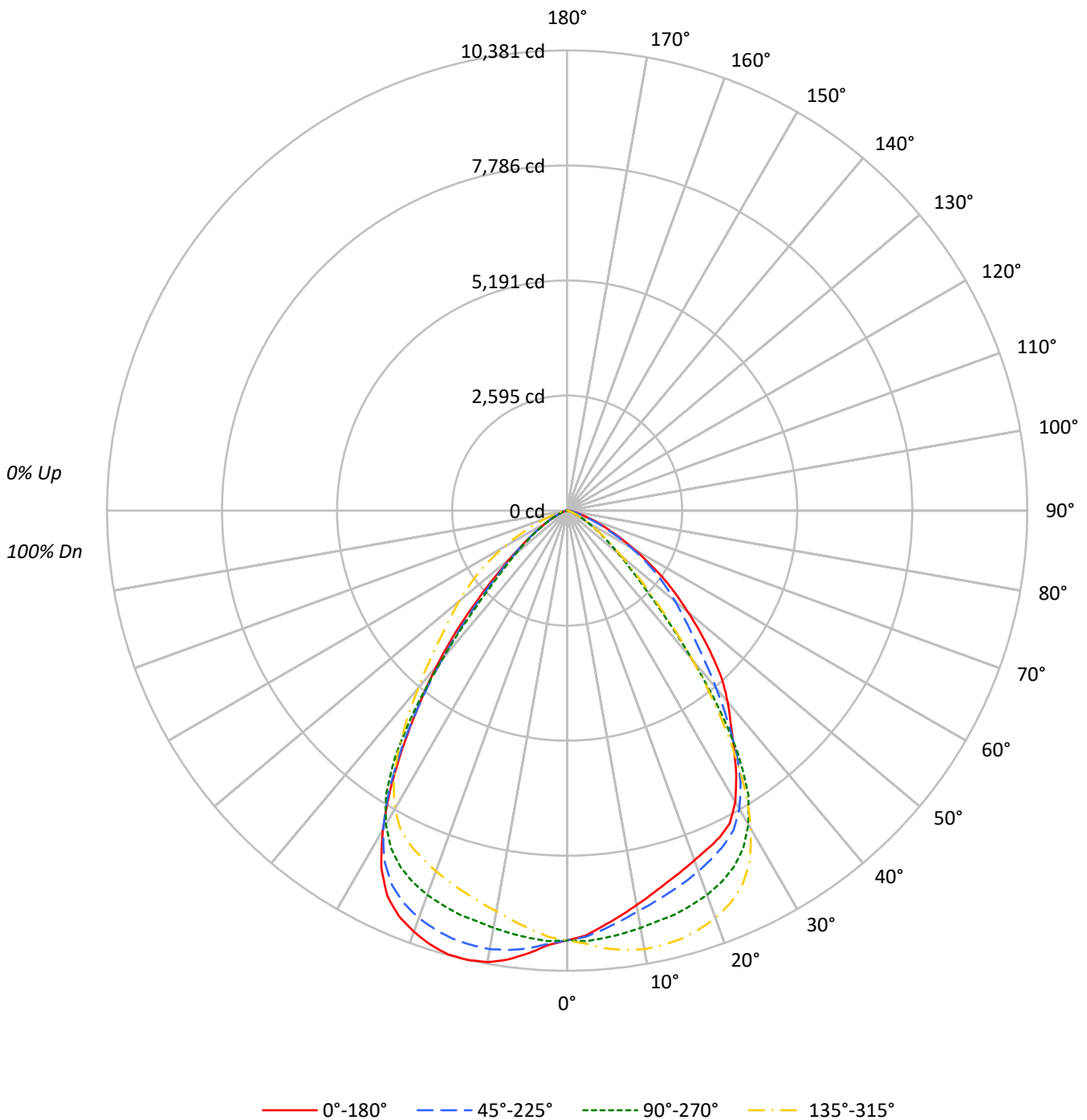
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	298946	298946	298946	298946
5°	291006	299648	310346	299648
10°	282954	299255	323860	299255
15°	277302	301032	330951	301032
20°	275416	302754	331802	302754
25°	276861	302148	326468	302148
30°	270016	291085	296315	291085
35°	246980	253929	240923	253929
40°	226755	176638	184456	176638
45°	201479	107758	124683	107758
50°	170538	71983	79937	71983
55°	141248	49116	51912	49116
60°	107730	32699	32983	32699
65°	76329	20372	18650	20372
70°	55051	13650	12388	13650
75°	34956	6779	5635	6779
80°	24399	5043	4191	5043
85°	21795	0	1663	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	922.7	5.7
10°-20°	2672.1	16.4
20°-30°	4046.1	24.8
30°-40°	4055.2	24.8
40°-50°	2546.5	15.6
50°-60°	1357.0	8.3
60°-70°	558.0	3.4
70°-80°	147.4	0.9
80°-90°	24.9	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°	7641.0	46.8
0°-40°	11696.2	71.6
0°-60°	15599.6	95.5
0°-90°	16330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16330.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9695	9695	9695	9695	9695	
5°	9401	9680	10026	9680	9401	887
15°	8686	9430	10367	9430	8686	2457
25°	8137	8880	9595	8880	8137	3732
35°	6561	6746	6400	6746	6561	4110
45°	4620	2471	2859	2471	4620	3553
55°	2627	914	966	914	2627	2342
65°	1046	279	256	279	1046	1085
75°	293	57	47	57	293	332
85°	62	0	5	0	62	68
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°	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6
2.5°	9595.2	9585.7	9581.0	9590.6	9595.2	9614.1	9609.5	9618.8	9618.8	9623.7	9633.0
5°	9401.2	9396.3	9401.2	9401.2	9420.1	9439.0	9434.3	9448.5	9457.9	9481.6	9491.0
7.5°	9221.3	9221.3	9216.5	9235.4	9244.9	9273.4	9268.5	9292.3	9306.5	9330.1	9363.2
10°	9036.6	9036.6	9041.3	9055.5	9060.4	9102.9	9102.9	9136.0	9154.9	9178.7	9221.3
12.5°	8856.8	8856.8	8885.2	8875.7	8894.6	8927.7	8941.9	8975.0	9003.5	9050.8	9093.5
15°	8686.3	8686.3	8695.8	8719.4	8733.6	8776.3	8799.9	8837.9	8871.0	8918.3	8979.9
17.5°	8539.6	8534.9	8539.6	8568.0	8596.5	8634.3	8653.2	8700.5	8733.6	8795.2	8852.1
20°	8392.9	8402.4	8402.4	8426.0	8444.9	8492.2	8511.1	8563.3	8601.1	8657.8	8724.3
22.5°	8265.0	8260.4	8260.4	8293.5	8307.7	8350.2	8369.1	8416.4	8459.1	8506.5	8568.0
25°	8137.2	8127.7	8146.8	8151.4	8160.8	8208.1	8222.4	8255.5	8298.2	8340.8	8402.4
27.5°	7947.8	7938.5	7943.2	7962.1	7976.3	8014.1	8023.6	8056.8	8089.9	8127.7	8179.9
30°	7583.3	7573.9	7569.3	7602.4	7616.6	7644.9	7659.1	7716.0	7725.3	7768.0	7805.8
32.5°	7100.5	7095.8	7105.3	7133.6	7147.8	7185.8	7204.7	7237.8	7261.4	7285.2	7323.0
35°	6560.9	6551.4	6560.9	6589.4	6589.4	6622.5	6636.7	6650.8	6646.1	6650.8	6641.4
37.5°	6059.2	6054.4	6059.2	6073.3	6059.2	6073.3	6059.2	6030.8	5978.8	5921.9	5865.0
40°	5633.1	5637.8	5609.5	5628.4	5576.2	5566.9	5514.8	5443.7	5339.7	5226.1	5065.1
42.5°	5178.7	5164.5	5145.6	5155.0	5112.5	5079.2	4994.0	4904.2	4771.5	4582.3	4388.1
45°	4620.1	4615.4	4605.9	4601.2	4572.8	4539.6	4468.5	4364.5	4217.8	4023.7	3791.6
47.5°	4075.7	4061.5	4061.5	4066.2	4033.1	4028.4	3971.5	3881.7	3753.8	3564.5	3323.0
50°	3554.9	3550.2	3559.8	3578.7	3554.9	3545.6	3507.8	3446.2	3332.6	3171.7	2944.3
52.5°	3086.3	3081.6	3091.2	3114.8	3105.2	3114.8	3077.0	3029.6	2953.8	2797.6	2598.8
55°	2627.3	2627.3	2627.3	2655.5	2655.5	2655.5	2636.6	2608.4	2537.2	2423.7	2239.1
57.5°	2149.1	2153.8	2182.2	2186.9	2182.2	2191.8	2186.9	2158.5	2111.3	2030.8	1888.8
60°	1746.8	1746.8	1761.0	1775.2	1770.3	1775.2	1775.2	1761.0	1713.6	1647.4	1533.8
62.5°	1382.2	1396.4	1386.9	1396.4	1415.3	1396.4	1386.9	1377.5	1344.4	1301.7	1207.1
65°	1046.1	1055.7	1055.7	1060.3	1050.8	1055.7	1036.8	1022.5	1003.6	956.3	894.7
67.5°	795.3	795.3	795.3	795.3	790.5	785.8	781.1	766.9	733.8	714.9	648.4
70°	610.6	582.2	582.2	582.2	582.2	587.1	572.8	553.9	544.4	511.3	463.9
72.5°	407.0	416.6	407.0	407.0	397.7	402.4	383.5	373.9	364.6	345.7	317.2
75°	293.4	269.9	279.2	284.1	269.9	279.2	260.3	241.4	241.4	227.2	213.0
77.5°	189.4	184.7	189.4	194.1	189.4	184.7	175.2	165.6	165.6	160.9	146.7
80°	137.4	132.5	132.5	132.5	127.8	132.5	123.1	123.1	113.6	108.9	99.4
82.5°	90.0	90.0	85.1	90.0	85.1	90.0	75.8	75.8	75.8	70.9	61.6
85°	61.6	52.0	52.0	56.9	47.3	56.9	52.0	47.3	42.7	42.7	37.8
87.5°	28.4	33.1	28.4	33.1	28.4	28.4	33.1	28.4	28.4	18.9	18.9
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°	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6
2.5°	9647.3	9651.9	9651.9	9671.0	9680.4	9685.1	9685.1	9723.1	9708.8	9718.4	9727.7
5°	9510.1	9538.3	9547.9	9547.9	9599.9	9618.8	9637.7	9680.4	9685.1	9713.5	9746.6
7.5°	9377.4	9410.5	9429.6	9472.1	9505.2	9538.3	9595.2	9623.7	9651.9	9689.9	9732.4
10°	9249.6	9287.6	9325.4	9358.5	9410.5	9453.2	9491.0	9557.2	9590.6	9642.6	9699.3
12.5°	9126.6	9178.7	9211.8	9268.5	9325.4	9363.2	9420.1	9481.6	9533.7	9585.7	9651.9
15°	9017.7	9079.3	9117.1	9178.7	9240.2	9292.3	9353.8	9429.6	9467.4	9529.0	9590.6
17.5°	8899.3	8965.7	9013.0	9069.7	9145.5	9202.2	9254.5	9330.1	9377.4	9443.6	9514.8
20°	8776.3	8842.6	8899.3	8956.1	9031.9	9088.6	9150.2	9226.0	9278.0	9344.3	9401.2
22.5°	8629.6	8691.2	8752.5	8818.8	8894.6	8941.9	9013.0	9079.3	9136.0	9197.6	9254.5
25°	8440.2	8516.0	8563.3	8624.7	8686.3	8738.3	8814.1	8880.4	8927.7	8984.6	9036.6
27.5°	8217.7	8274.6	8312.4	8364.4	8426.0	8473.3	8530.0	8596.5	8643.8	8695.8	8733.6
30°	7838.9	7891.1	7924.3	7962.1	8023.6	8066.3	8113.6	8175.0	8208.1	8246.1	8279.3
32.5°	7341.9	7384.5	7403.4	7431.9	7474.6	7517.0	7555.0	7607.1	7621.3	7644.9	7644.9
35°	6622.5	6631.9	6627.2	6636.7	6655.6	6679.2	6712.3	6745.5	6764.4	6764.4	6750.3
37.5°	5779.8	5723.1	5661.6	5614.2	5600.0	5590.4	5609.5	5623.6	5642.7	5652.0	5628.4
40°	4904.2	4776.4	4639.0	4515.9	4430.7	4392.9	4378.7	4388.1	4388.1	4421.2	4421.2
42.5°	4151.5	3952.6	3749.2	3564.5	3441.3	3346.8	3304.1	3304.1	3308.8	3332.6	3346.8
45°	3526.7	3275.7	3039.0	2835.5	2665.1	2541.9	2485.2	2471.0	2466.3	2475.7	2508.8
47.5°	3048.5	2788.2	2541.9	2291.2	2111.3	1988.2	1936.2	1917.1	1898.2	1917.1	1921.9
50°	2674.6	2404.8	2144.4	1893.5	1704.1	1595.2	1528.9	1500.5	1495.8	1495.8	1505.4
52.5°	2333.6	2082.9	1822.6	1566.9	1368.0	1263.9	1202.4	1188.2	1169.3	1188.2	1188.2
55°	2011.8	1761.0	1505.4	1263.9	1098.1	989.4	932.5	913.6	904.1	918.3	918.3
57.5°	1661.6	1448.5	1211.9	994.1	828.5	752.7	710.0	686.4	681.6	691.1	681.6
60°	1363.3	1183.5	979.9	781.1	653.3	572.8	539.7	530.2	520.6	530.2	530.2
62.5°	1079.2	927.8	762.0	610.6	501.7	445.0	407.0	407.0	402.4	402.4	407.0
65°	800.0	681.6	563.3	435.5	350.3	307.7	279.2	279.2	274.5	279.2	274.5
67.5°	582.2	501.7	407.0	317.2	251.0	227.2	208.3	194.1	203.6	194.1	189.4
70°	426.1	359.7	293.4	241.4	194.1	170.5	156.3	151.4	142.0	142.0	142.0
72.5°	284.1	241.4	198.7	156.3	127.8	104.0	99.4	90.0	80.5	85.1	94.7
75°	189.4	160.9	142.0	113.6	85.1	85.1	56.9	56.9	47.3	56.9	42.7
77.5°	132.5	108.9	85.1	70.9	56.9	52.0	37.8	37.8	33.1	33.1	33.1
80°	94.7	80.5	61.6	52.0	37.8	37.8	33.1	28.4	23.6	23.6	28.4
82.5°	56.9	42.7	42.7	37.8	23.6	18.9	14.2	18.9	9.5	9.5	9.5
85°	33.1	28.4	23.6	14.2	9.5	9.5	4.7	0.0	4.7	4.7	0.0
87.5°	18.9	9.5	9.5	4.7	0.0	4.7	4.7	0.0	0.0	0.0	9.5
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°	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6
2.5°	9751.5	9746.6	9756.2	9756.2	9784.6	9779.8	9794.0	9794.0	9784.6	9789.3	9808.2
5°	9784.6	9798.8	9827.1	9850.9	9893.3	9912.4	9936.0	9959.8	9964.5	9978.7	9992.9
7.5°	9784.6	9832.0	9865.1	9907.6	9964.5	9997.6	10049.6	10092.3	10111.2	10134.8	10163.2
10°	9765.5	9812.9	9874.4	9921.8	9992.9	10044.9	10097.0	10163.2	10191.6	10229.4	10267.4
12.5°	9727.7	9779.8	9846.0	9907.6	9988.0	10035.4	10101.6	10163.2	10205.9	10257.9	10300.6
15°	9671.0	9732.4	9794.0	9855.5	9940.7	9997.6	10059.2	10130.1	10172.7	10229.4	10267.4
17.5°	9581.0	9647.3	9704.2	9760.9	9841.3	9907.6	9964.5	10030.7	10073.4	10120.7	10172.7
20°	9472.1	9533.7	9595.2	9642.6	9723.1	9779.8	9841.3	9902.9	9936.0	9945.6	10026.0
22.5°	9334.9	9377.4	9424.7	9500.5	9547.9	9599.9	9656.8	9713.5	9746.6	9798.8	9827.1
25°	9107.5	9150.2	9202.2	9235.4	9292.3	9334.9	9391.6	9453.2	9472.1	9510.1	9538.3
27.5°	8790.5	8814.1	8837.9	8866.1	8899.3	8923.0	8956.1	8984.6	9003.5	9022.4	9041.3
30°	8288.6	8288.6	8288.6	8269.7	8283.9	8298.2	8302.8	8298.2	8298.2	8293.5	8293.5
32.5°	7626.0	7588.2	7545.5	7507.7	7493.5	7474.6	7465.0	7450.8	7427.2	7413.0	7417.7
35°	6731.2	6646.1	6594.1	6546.7	6508.9	6480.5	6466.3	6452.0	6447.4	6428.5	6409.4
37.5°	5614.2	5552.6	5514.8	5486.4	5453.3	5424.8	5429.5	5434.4	5448.4	5439.0	5443.7
40°	4430.7	4416.5	4430.7	4397.6	4388.1	4397.6	4421.2	4454.5	4473.4	4492.3	4525.4
42.5°	3370.4	3394.0	3427.3	3427.3	3441.3	3460.4	3488.7	3540.9	3569.1	3602.3	3640.3
45°	2537.2	2565.7	2608.4	2622.4	2631.9	2655.5	2688.8	2731.3	2750.2	2778.7	2811.8
47.5°	1955.1	1974.0	1997.5	2021.3	2044.9	2054.4	2087.5	2087.5	2111.3	2130.2	2139.6
50°	1524.3	1543.2	1562.1	1576.3	1585.8	1600.0	1609.4	1623.6	1628.3	1637.8	1642.5
52.5°	1192.8	1216.6	1216.6	1226.0	1240.2	1254.4	1249.7	1254.4	1259.1	1259.1	1273.3
55°	932.5	932.5	946.7	946.7	956.3	951.4	956.3	956.3	956.3	956.3	961.0
57.5°	695.8	700.7	714.9	705.3	700.7	710.0	700.7	710.0	705.3	714.9	700.7
60°	534.8	534.8	539.7	539.7	544.4	544.4	544.4	539.7	539.7	534.8	534.8
62.5°	402.4	407.0	411.9	407.0	407.0	407.0	402.4	402.4	397.7	392.8	392.8
65°	269.9	265.2	274.5	265.2	269.9	269.9	265.2	269.9	255.6	260.3	255.6
67.5°	194.1	189.4	184.7	189.4	184.7	179.8	179.8	184.7	189.4	175.2	175.2
70°	127.8	132.5	127.8	132.5	137.4	137.4	132.5	127.8	132.5	123.1	127.8
72.5°	80.5	80.5	80.5	80.5	80.5	85.1	85.1	85.1	75.8	75.8	70.9
75°	37.8	52.0	42.7	37.8	52.0	52.0	47.3	47.3	42.7	42.7	42.7
77.5°	37.8	28.4	28.4	28.4	28.4	28.4	28.4	28.4	23.6	28.4	23.6
80°	18.9	18.9	18.9	14.2	18.9	18.9	23.6	18.9	18.9	14.2	23.6
82.5°	9.5	9.5	9.5	0.0	4.7	9.5	9.5	4.7	9.5	9.5	4.7
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: P248774

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6
2.5°	9803.5	9798.8	9803.5	9808.2	9803.5	9798.8	9803.5	9808.2	9789.3	9784.6	9794.0
5°	10011.8	10011.8	10021.2	10026.0	10021.2	10011.8	10011.8	9992.9	9978.7	9964.5	9959.8
7.5°	10191.6	10201.2	10210.5	10215.2	10210.5	10201.2	10191.6	10163.2	10134.8	10111.2	10092.3
10°	10300.6	10314.8	10333.7	10343.0	10333.7	10314.8	10300.6	10267.4	10229.4	10191.6	10163.2
12.5°	10347.9	10362.1	10385.7	10381.0	10385.7	10362.1	10347.9	10300.6	10257.9	10205.9	10163.2
15°	10314.8	10333.7	10357.3	10366.8	10357.3	10333.7	10314.8	10267.4	10229.4	10172.7	10130.1
17.5°	10210.5	10239.0	10253.2	10267.4	10253.2	10239.0	10210.5	10172.7	10120.7	10073.4	10030.7
20°	10068.5	10087.6	10106.5	10111.2	10106.5	10087.6	10068.5	10026.0	9945.6	9936.0	9902.9
22.5°	9865.1	9879.3	9921.8	9907.6	9921.8	9879.3	9865.1	9827.1	9798.8	9746.6	9713.5
25°	9571.5	9585.7	9590.6	9595.2	9590.6	9585.7	9571.5	9538.3	9510.1	9472.1	9453.2
27.5°	9065.1	9065.1	9074.4	9079.3	9074.4	9065.1	9065.1	9041.3	9022.4	9003.5	8984.6
30°	8298.2	8298.2	8298.2	8321.9	8298.2	8298.2	8298.2	8293.5	8293.5	8298.2	8298.2
32.5°	7413.0	7403.4	7394.1	7403.4	7394.1	7403.4	7413.0	7417.7	7413.0	7427.2	7450.8
35°	6409.4	6404.7	6418.9	6400.0	6418.9	6404.7	6409.4	6409.4	6428.5	6447.4	6452.0
37.5°	5448.4	5439.0	5457.9	5439.0	5457.9	5439.0	5448.4	5443.7	5439.0	5448.4	5434.4
40°	4535.0	4544.3	4544.3	4582.3	4544.3	4544.3	4535.0	4525.4	4492.3	4473.4	4454.5
42.5°	3659.1	3687.6	3678.0	3706.5	3678.0	3687.6	3659.1	3640.3	3602.3	3569.1	3540.9
45°	2830.7	2849.8	2849.8	2859.1	2849.8	2849.8	2830.7	2811.8	2778.7	2750.2	2731.3
47.5°	2172.7	2172.7	2172.7	2177.6	2172.7	2172.7	2172.7	2139.6	2130.2	2111.3	2087.5
50°	1652.1	1656.7	1661.6	1666.3	1661.6	1656.7	1652.1	1642.5	1637.8	1628.3	1623.6
52.5°	1268.6	1273.3	1263.9	1273.3	1263.9	1273.3	1268.6	1273.3	1259.1	1259.1	1254.4
55°	961.0	956.3	961.0	965.6	961.0	956.3	961.0	961.0	956.3	956.3	956.3
57.5°	705.3	695.8	695.8	695.8	695.8	695.8	705.3	700.7	714.9	705.3	710.0
60°	525.5	530.2	530.2	534.8	530.2	530.2	525.5	534.8	534.8	539.7	539.7
62.5°	388.1	402.4	392.8	402.4	392.8	402.4	388.1	392.8	392.8	397.7	402.4
65°	251.0	251.0	251.0	255.6	251.0	251.0	251.0	255.6	260.3	255.6	269.9
67.5°	170.5	175.2	184.7	179.8	184.7	175.2	170.5	175.2	175.2	189.4	184.7
70°	137.4	123.1	123.1	137.4	123.1	123.1	137.4	127.8	123.1	132.5	127.8
72.5°	80.5	70.9	80.5	80.5	80.5	70.9	80.5	70.9	75.8	75.8	85.1
75°	42.7	37.8	33.1	47.3	33.1	37.8	42.7	42.7	42.7	42.7	47.3
77.5°	28.4	23.6	33.1	33.1	33.1	23.6	28.4	23.6	28.4	23.6	28.4
80°	14.2	18.9	14.2	23.6	14.2	18.9	14.2	23.6	14.2	18.9	18.9
82.5°	4.7	9.5	9.5	9.5	9.5	9.5	4.7	4.7	9.5	9.5	4.7
85°	0.0	9.5	4.7	4.7	4.7	9.5	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	0.0	0.0	4.7	0.0	0.0	4.7	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: P248774

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6
2.5°	9794.0	9779.8	9784.6	9756.2	9756.2	9746.6	9751.5	9727.7	9718.4	9708.8	9723.1
5°	9936.0	9912.4	9893.3	9850.9	9827.1	9798.8	9784.6	9746.6	9713.5	9685.1	9680.4
7.5°	10049.6	9997.6	9964.5	9907.6	9865.1	9832.0	9784.6	9732.4	9689.9	9651.9	9623.7
10°	10097.0	10044.9	9992.9	9921.8	9874.4	9812.9	9765.5	9699.3	9642.6	9590.6	9557.2
12.5°	10101.6	10035.4	9988.0	9907.6	9846.0	9779.8	9727.7	9651.9	9585.7	9533.7	9481.6
15°	10059.2	9997.6	9940.7	9855.5	9794.0	9732.4	9671.0	9590.6	9529.0	9467.4	9429.6
17.5°	9964.5	9907.6	9841.3	9760.9	9704.2	9647.3	9581.0	9514.8	9443.6	9377.4	9330.1
20°	9841.3	9779.8	9723.1	9642.6	9595.2	9533.7	9472.1	9401.2	9344.3	9278.0	9226.0
22.5°	9656.8	9599.9	9547.9	9500.5	9424.7	9377.4	9334.9	9254.5	9197.6	9136.0	9079.3
25°	9391.6	9334.9	9292.3	9235.4	9202.2	9150.2	9107.5	9036.6	8984.6	8927.7	8880.4
27.5°	8956.1	8923.0	8899.3	8866.1	8837.9	8814.1	8790.5	8733.6	8695.8	8643.8	8596.5
30°	8302.8	8298.2	8283.9	8269.7	8288.6	8288.6	8288.6	8279.3	8246.1	8208.1	8175.0
32.5°	7465.0	7474.6	7493.5	7507.7	7545.5	7588.2	7626.0	7644.9	7644.9	7621.3	7607.1
35°	6466.3	6480.5	6508.9	6546.7	6594.1	6646.1	6731.2	6750.3	6764.4	6764.4	6745.5
37.5°	5429.5	5424.8	5453.3	5486.4	5514.8	5552.6	5614.2	5628.4	5652.0	5642.7	5623.6
40°	4421.2	4397.6	4388.1	4397.6	4430.7	4416.5	4430.7	4421.2	4421.2	4388.1	4388.1
42.5°	3488.7	3460.4	3441.3	3427.3	3427.3	3394.0	3370.4	3346.8	3332.6	3308.8	3304.1
45°	2688.8	2655.5	2631.9	2622.4	2608.4	2565.7	2537.2	2508.8	2475.7	2466.3	2471.0
47.5°	2087.5	2054.4	2044.9	2021.3	1997.5	1974.0	1955.1	1921.9	1917.1	1898.2	1917.1
50°	1609.4	1600.0	1585.8	1576.3	1562.1	1543.2	1524.3	1505.4	1495.8	1495.8	1500.5
52.5°	1249.7	1254.4	1240.2	1226.0	1216.6	1216.6	1192.8	1188.2	1188.2	1169.3	1188.2
55°	956.3	951.4	956.3	946.7	946.7	932.5	932.5	918.3	918.3	904.1	913.6
57.5°	700.7	710.0	700.7	705.3	714.9	700.7	695.8	681.6	691.1	681.6	686.4
60°	544.4	544.4	544.4	539.7	539.7	534.8	534.8	530.2	530.2	520.6	530.2
62.5°	402.4	407.0	407.0	407.0	411.9	407.0	402.4	407.0	402.4	402.4	407.0
65°	265.2	269.9	269.9	265.2	274.5	265.2	269.9	274.5	279.2	274.5	279.2
67.5°	179.8	179.8	184.7	189.4	184.7	189.4	194.1	189.4	194.1	203.6	194.1
70°	132.5	137.4	137.4	132.5	127.8	132.5	127.8	142.0	142.0	142.0	151.4
72.5°	85.1	85.1	80.5	80.5	80.5	80.5	80.5	94.7	85.1	80.5	90.0
75°	47.3	52.0	52.0	37.8	42.7	52.0	37.8	42.7	56.9	47.3	56.9
77.5°	28.4	28.4	28.4	28.4	28.4	28.4	37.8	33.1	33.1	33.1	37.8
80°	23.6	18.9	18.9	14.2	18.9	18.9	18.9	28.4	23.6	23.6	28.4
82.5°	9.5	9.5	4.7	0.0	9.5	9.5	9.5	9.5	9.5	9.5	18.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	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: P248774

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6
2.5°	9685.1	9685.1	9680.4	9671.0	9651.9	9651.9	9647.3	9633.0	9623.7	9618.8	9618.8
5°	9637.7	9618.8	9599.9	9547.9	9547.9	9538.3	9510.1	9491.0	9481.6	9457.9	9448.5
7.5°	9595.2	9538.3	9505.2	9472.1	9429.6	9410.5	9377.4	9363.2	9330.1	9306.5	9292.3
10°	9491.0	9453.2	9410.5	9358.5	9325.4	9287.6	9249.6	9221.3	9178.7	9154.9	9136.0
12.5°	9420.1	9363.2	9325.4	9268.5	9211.8	9178.7	9126.6	9093.5	9050.8	9003.5	8975.0
15°	9353.8	9292.3	9240.2	9178.7	9117.1	9079.3	9017.7	8979.9	8918.3	8871.0	8837.9
17.5°	9254.5	9202.2	9145.5	9069.7	9013.0	8965.7	8899.3	8852.1	8795.2	8733.6	8700.5
20°	9150.2	9088.6	9031.9	8956.1	8899.3	8842.6	8776.3	8724.3	8657.8	8601.1	8563.3
22.5°	9013.0	8941.9	8894.6	8818.8	8752.5	8691.2	8629.6	8568.0	8506.5	8459.1	8416.4
25°	8814.1	8738.3	8686.3	8624.7	8563.3	8516.0	8440.2	8402.4	8340.8	8298.2	8255.5
27.5°	8530.0	8473.3	8426.0	8364.4	8312.4	8274.6	8217.7	8179.9	8127.7	8089.9	8056.8
30°	8113.6	8066.3	8023.6	7962.1	7924.3	7891.1	7838.9	7805.8	7768.0	7725.3	7716.0
32.5°	7555.0	7517.0	7474.6	7431.9	7403.4	7384.5	7341.9	7323.0	7285.2	7261.4	7237.8
35°	6712.3	6679.2	6655.6	6636.7	6627.2	6631.9	6622.5	6641.4	6650.8	6646.1	6650.8
37.5°	5609.5	5590.4	5600.0	5614.2	5661.6	5723.1	5779.8	5865.0	5921.9	5978.8	6030.8
40°	4378.7	4392.9	4430.7	4515.9	4639.0	4776.4	4904.2	5065.1	5226.1	5339.7	5443.7
42.5°	3304.1	3346.8	3441.3	3564.5	3749.2	3952.6	4151.5	4388.1	4582.3	4771.5	4904.2
45°	2485.2	2541.9	2665.1	2835.5	3039.0	3275.7	3526.7	3791.6	4023.7	4217.8	4364.5
47.5°	1936.2	1988.2	2111.3	2291.2	2541.9	2788.2	3048.5	3323.0	3564.5	3753.8	3881.7
50°	1528.9	1595.2	1704.1	1893.5	2144.4	2404.8	2674.6	2944.3	3171.7	3332.6	3446.2
52.5°	1202.4	1263.9	1368.0	1566.9	1822.6	2082.9	2333.6	2598.8	2797.6	2953.8	3029.6
55°	932.5	989.4	1098.1	1263.9	1505.4	1761.0	2011.8	2239.1	2423.7	2537.2	2608.4
57.5°	710.0	752.7	828.5	994.1	1211.9	1448.5	1661.6	1888.8	2030.8	2111.3	2158.5
60°	539.7	572.8	653.3	781.1	979.9	1183.5	1363.3	1533.8	1647.4	1713.6	1761.0
62.5°	407.0	445.0	501.7	610.6	762.0	927.8	1079.2	1207.1	1301.7	1344.4	1377.5
65°	279.2	307.7	350.3	435.5	563.3	681.6	800.0	894.7	956.3	1003.6	1022.5
67.5°	208.3	227.2	251.0	317.2	407.0	501.7	582.2	648.4	714.9	733.8	766.9
70°	156.3	170.5	194.1	241.4	293.4	359.7	426.1	463.9	511.3	544.4	553.9
72.5°	99.4	104.0	127.8	156.3	198.7	241.4	284.1	317.2	345.7	364.6	373.9
75°	56.9	85.1	85.1	113.6	142.0	160.9	189.4	213.0	227.2	241.4	241.4
77.5°	37.8	52.0	56.9	70.9	85.1	108.9	132.5	146.7	160.9	165.6	165.6
80°	33.1	37.8	37.8	52.0	61.6	80.5	94.7	99.4	108.9	113.6	123.1
82.5°	14.2	18.9	23.6	37.8	42.7	42.7	56.9	61.6	70.9	75.8	75.8
85°	4.7	9.5	9.5	14.2	23.6	28.4	33.1	37.8	42.7	42.7	47.3
87.5°	4.7	4.7	0.0	4.7	9.5	9.5	18.9	18.9	18.9	28.4	28.4
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: P248774

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6	9694.6
2.5°	9609.5	9614.1	9595.2	9590.6	9581.0	9585.7	9595.2
5°	9434.3	9439.0	9420.1	9401.2	9401.2	9396.3	9401.2
7.5°	9268.5	9273.4	9244.9	9235.4	9216.5	9221.3	9221.3
10°	9102.9	9102.9	9060.4	9055.5	9041.3	9036.6	9036.6
12.5°	8941.9	8927.7	8894.6	8875.7	8885.2	8856.8	8856.8
15°	8799.9	8776.3	8733.6	8719.4	8695.8	8686.3	8686.3
17.5°	8653.2	8634.3	8596.5	8568.0	8539.6	8534.9	8539.6
20°	8511.1	8492.2	8444.9	8426.0	8402.4	8402.4	8392.9
22.5°	8369.1	8350.2	8307.7	8293.5	8260.4	8260.4	8265.0
25°	8222.4	8208.1	8160.8	8151.4	8146.8	8127.7	8137.2
27.5°	8023.6	8014.1	7976.3	7962.1	7943.2	7938.5	7947.8
30°	7659.1	7644.9	7616.6	7602.4	7569.3	7573.9	7583.3
32.5°	7204.7	7185.8	7147.8	7133.6	7105.3	7095.8	7100.5
35°	6636.7	6622.5	6589.4	6589.4	6560.9	6551.4	6560.9
37.5°	6059.2	6073.3	6059.2	6073.3	6059.2	6054.4	6059.2
40°	5514.8	5566.9	5576.2	5628.4	5609.5	5637.8	5633.1
42.5°	4994.0	5079.2	5112.5	5155.0	5145.6	5164.5	5178.7
45°	4468.5	4539.6	4572.8	4601.2	4605.9	4615.4	4620.1
47.5°	3971.5	4028.4	4033.1	4066.2	4061.5	4061.5	4075.7
50°	3507.8	3545.6	3554.9	3578.7	3559.8	3550.2	3554.9
52.5°	3077.0	3114.8	3105.2	3114.8	3091.2	3081.6	3086.3
55°	2636.6	2655.5	2655.5	2655.5	2627.3	2627.3	2627.3
57.5°	2186.9	2191.8	2182.2	2186.9	2182.2	2153.8	2149.1
60°	1775.2	1775.2	1770.3	1775.2	1761.0	1746.8	1746.8
62.5°	1386.9	1396.4	1415.3	1396.4	1386.9	1396.4	1382.2
65°	1036.8	1055.7	1050.8	1060.3	1055.7	1055.7	1046.1
67.5°	781.1	785.8	790.5	795.3	795.3	795.3	795.3
70°	572.8	587.1	582.2	582.2	582.2	582.2	610.6
72.5°	383.5	402.4	397.7	407.0	407.0	416.6	407.0
75°	260.3	279.2	269.9	284.1	279.2	269.9	293.4
77.5°	175.2	184.7	189.4	194.1	189.4	184.7	189.4
80°	123.1	132.5	127.8	132.5	132.5	132.5	137.4
82.5°	75.8	90.0	85.1	90.0	85.1	90.0	90.0
85°	52.0	56.9	47.3	56.9	52.0	52.0	61.6
87.5°	33.1	28.4	28.4	33.1	28.4	33.1	28.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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