

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: P248783

Luminaire Tested: **LD8B175D010 ER8B175835 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248783
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 ER8B175835 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16981.0 lumens
Efficiency: N/A
Efficacy: 95.8 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

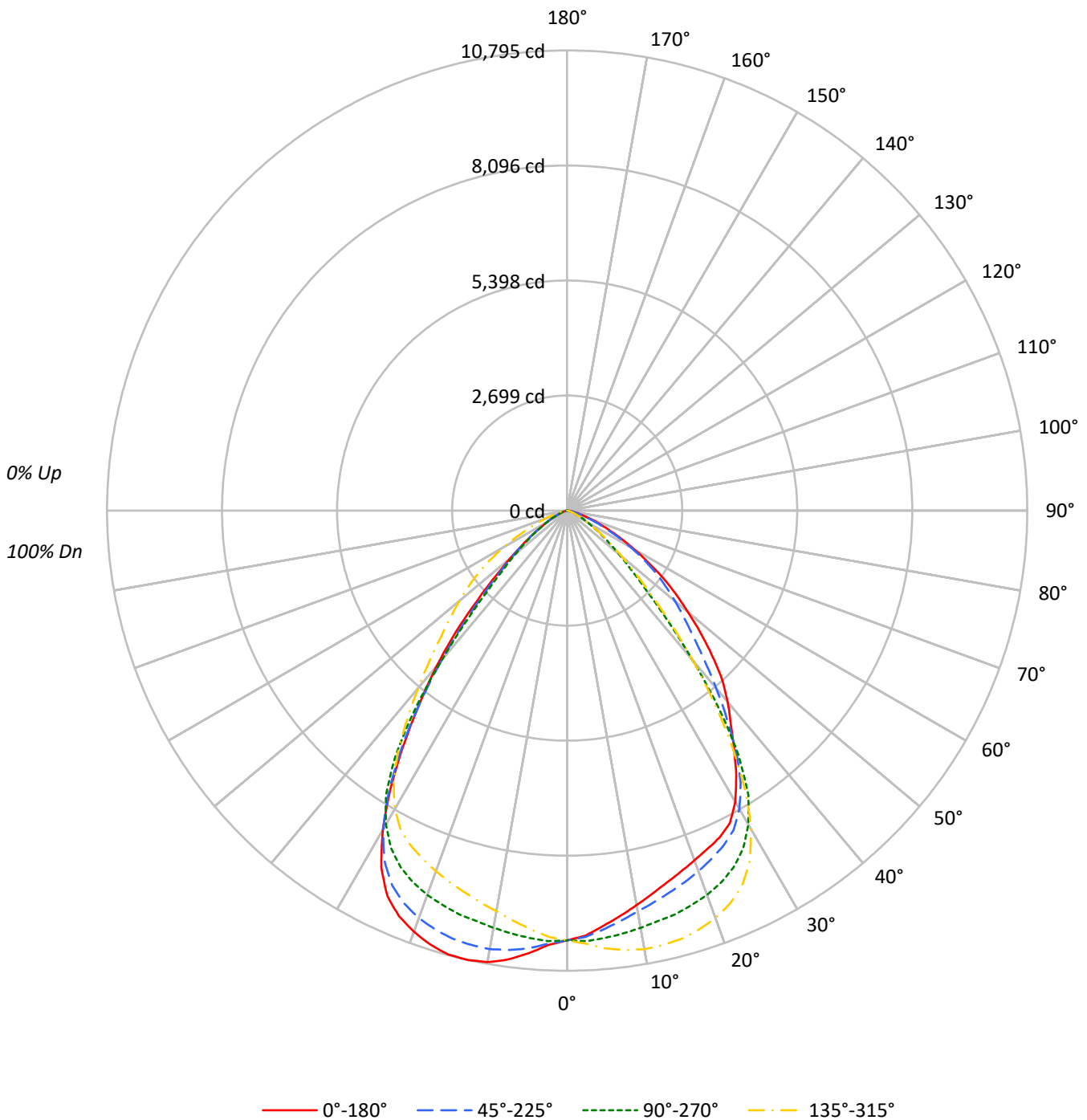
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	310864	310864	310864	310864
5°	302607	311593	322718	311593
10°	294236	311185	336773	311185
15°	288358	313032	344145	313032
20°	286392	314824	345030	314824
25°	287898	314192	339486	314192
30°	280780	302689	308130	302689
35°	256827	264051	250526	264051
40°	235796	183679	191810	183679
45°	209511	112054	129654	112054
50°	177336	74852	83122	74852
55°	146876	51073	53982	51073
60°	112022	34000	34302	34000
65°	79371	21182	19394	21182
70°	57251	14191	12875	14191
75°	36350	7053	5862	7053
80°	25358	5256	4351	5256
85°	22644	0	1734	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	959.5	5.7
10°-20°	2778.6	16.4
20°-30°	4207.4	24.8
30°-40°	4216.9	24.8
40°-50°	2648.0	15.6
50°-60°	1411.1	8.3
60°-70°	580.3	3.4
70°-80°	153.3	0.9
80°-90°	25.9	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°	7945.6	46.8
0°-40°	12162.4	71.6
0°-60°	16221.5	95.5
0°-90°	16981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16981.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10081	10081	10081	10081	10081	
5°	9776	10066	10426	10066	9776	922
15°	9033	9806	10780	9806	9033	2555
25°	8462	9234	9978	9234	8462	3881
35°	6822	7014	6655	7014	6822	4274
45°	4804	2570	2973	2570	4804	3695
55°	2732	950	1004	950	2732	2436
65°	1088	290	266	290	1088	1128
75°	305	59	49	59	305	346
85°	64	0	5	0	64	70
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°	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1
2.5°	9977.8	9967.8	9963.0	9972.9	9977.8	9997.4	9992.5	10002.3	10002.3	10007.3	10017.1
5°	9776.0	9770.9	9776.0	9776.0	9795.6	9815.3	9810.4	9825.2	9834.9	9859.6	9869.4
7.5°	9588.9	9588.9	9583.9	9603.5	9613.5	9643.0	9638.0	9662.7	9677.5	9702.0	9736.4
10°	9396.9	9396.9	9401.7	9416.5	9421.6	9465.8	9465.8	9500.2	9519.9	9544.6	9588.9
12.5°	9209.9	9209.9	9239.4	9229.5	9249.2	9283.6	9298.4	9332.8	9362.4	9411.7	9456.0
15°	9032.6	9032.6	9042.5	9067.0	9081.8	9126.2	9150.7	9190.2	9224.6	9273.9	9337.9
17.5°	8880.0	8875.1	8880.0	8909.6	8939.2	8978.5	8998.1	9047.4	9081.8	9145.8	9205.0
20°	8727.4	8737.4	8737.4	8761.9	8781.5	8830.8	8850.4	8904.7	8944.0	9003.0	9072.1
22.5°	8594.5	8589.7	8589.7	8624.1	8638.9	8683.1	8702.7	8752.0	8796.3	8845.6	8909.6
25°	8461.6	8451.7	8471.5	8476.4	8486.1	8535.4	8550.2	8584.6	8629.0	8673.3	8737.4
27.5°	8264.7	8255.0	8259.8	8279.5	8294.3	8333.6	8343.5	8377.9	8412.4	8451.7	8506.0
30°	7885.6	7875.9	7871.0	7905.5	7920.2	7949.6	7964.4	8023.6	8033.3	8077.7	8117.0
32.5°	7383.5	7378.7	7388.6	7418.0	7432.8	7472.3	7491.9	7526.4	7550.9	7575.6	7614.9
35°	6822.5	6812.6	6822.5	6852.1	6852.1	6886.5	6901.3	6915.9	6911.0	6915.9	6906.2
37.5°	6300.8	6295.7	6300.8	6315.4	6300.8	6315.4	6300.8	6271.2	6217.1	6157.9	6098.8
40°	5857.7	5862.5	5833.2	5852.8	5798.5	5788.8	5734.7	5660.7	5552.5	5434.4	5267.1
42.5°	5385.2	5370.4	5350.7	5360.5	5316.3	5281.6	5193.1	5099.7	4961.7	4765.0	4563.0
45°	4804.3	4799.4	4789.5	4784.6	4755.1	4720.6	4646.7	4538.5	4385.9	4184.1	3942.8
47.5°	4238.2	4223.4	4223.4	4228.3	4193.8	4189.0	4129.8	4036.4	3903.5	3706.6	3455.5
50°	3696.6	3691.8	3701.7	3721.3	3696.6	3686.9	3647.6	3583.6	3465.4	3298.1	3061.6
52.5°	3209.3	3204.5	3214.4	3238.9	3229.0	3238.9	3199.6	3150.4	3071.6	2909.1	2702.4
55°	2732.0	2732.0	2732.0	2761.4	2761.4	2761.4	2741.7	2712.3	2638.4	2520.3	2328.4
57.5°	2234.8	2239.7	2269.2	2274.1	2269.2	2279.2	2274.1	2244.5	2195.5	2111.8	1964.1
60°	1816.4	1816.4	1831.2	1846.0	1840.9	1846.0	1846.0	1831.2	1782.0	1713.1	1594.9
62.5°	1437.3	1452.1	1442.2	1452.1	1471.8	1452.1	1442.2	1432.5	1398.0	1353.6	1255.2
65°	1087.8	1097.7	1097.7	1102.6	1092.7	1097.7	1078.1	1063.3	1043.6	994.4	930.4
67.5°	827.1	827.1	827.1	827.1	822.0	817.1	812.3	797.5	763.0	743.4	674.3
70°	635.0	605.4	605.4	605.4	605.4	610.5	595.7	576.0	566.1	531.6	482.4
72.5°	423.3	433.2	423.3	423.3	413.5	418.4	398.7	388.8	379.1	359.4	329.8
75°	305.1	280.6	290.3	295.4	280.6	290.3	270.7	251.0	251.0	236.2	221.5
77.5°	196.9	192.1	196.9	201.8	196.9	192.1	182.1	172.2	172.2	167.4	152.6
80°	142.8	137.8	137.8	137.8	132.9	137.8	128.0	128.0	118.1	113.3	103.3
82.5°	93.6	93.6	88.5	93.6	88.5	93.6	78.8	78.8	78.8	73.8	64.0
85°	64.0	54.1	54.1	59.2	49.2	59.2	54.1	49.2	44.4	44.4	39.3
87.5°	29.6	34.4	29.6	34.4	29.6	29.6	34.4	29.6	29.6	19.7	19.7
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°	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1
2.5°	10031.8	10036.7	10036.7	10056.6	10066.3	10071.2	10071.2	10110.7	10095.9	10105.8	10115.5
5°	9889.2	9918.6	9928.5	9928.5	9982.6	10002.3	10021.9	10066.3	10071.2	10100.7	10135.2
7.5°	9751.2	9785.7	9805.5	9849.7	9884.1	9918.6	9977.8	10007.3	10036.7	10076.2	10120.4
10°	9618.3	9657.8	9697.1	9731.6	9785.7	9830.0	9869.4	9938.2	9972.9	10027.0	10085.9
12.5°	9490.5	9544.6	9579.0	9638.0	9697.1	9736.4	9795.6	9859.6	9913.7	9967.8	10036.7
15°	9377.2	9441.2	9480.5	9544.6	9608.6	9662.7	9726.7	9805.5	9844.8	9908.9	9972.9
17.5°	9254.0	9323.1	9372.4	9431.3	9510.1	9569.1	9623.4	9702.0	9751.2	9820.1	9894.1
20°	9126.2	9195.1	9254.0	9313.2	9392.0	9451.0	9515.0	9593.8	9647.9	9716.8	9776.0
22.5°	8973.6	9037.6	9101.5	9170.3	9249.2	9298.4	9372.4	9441.2	9500.2	9564.2	9623.4
25°	8776.7	8855.5	8904.7	8968.5	9032.6	9086.7	9165.5	9234.4	9283.6	9342.8	9396.9
27.5°	8545.3	8604.5	8643.8	8697.9	8761.9	8811.1	8870.1	8939.2	8988.4	9042.5	9081.8
30°	8151.4	8205.7	8240.2	8279.5	8343.5	8387.9	8437.1	8500.9	8535.4	8574.9	8609.3
32.5°	7634.6	7678.9	7698.6	7728.2	7772.5	7816.7	7856.2	7910.3	7925.1	7949.6	7949.6
35°	6886.5	6896.2	6891.4	6901.3	6921.0	6945.5	6979.9	7014.4	7034.0	7034.0	7019.4
37.5°	6010.2	5951.3	5887.2	5838.0	5823.2	5813.3	5833.2	5847.7	5867.6	5877.3	5852.8
40°	5099.7	4966.8	4824.0	4695.9	4607.4	4568.1	4553.3	4563.0	4563.0	4597.4	4597.4
42.5°	4317.0	4110.2	3898.6	3706.6	3578.5	3480.2	3435.9	3435.9	3440.7	3465.4	3480.2
45°	3667.2	3406.3	3160.1	2948.6	2771.3	2643.3	2584.3	2569.5	2564.6	2574.4	2608.8
47.5°	3170.0	2899.4	2643.3	2382.5	2195.5	2067.4	2013.3	1993.5	1973.8	1993.5	1998.5
50°	2781.2	2500.6	2229.9	1969.0	1772.0	1658.8	1589.9	1560.3	1555.4	1555.4	1565.4
52.5°	2426.7	2165.9	1895.2	1629.4	1422.5	1314.3	1250.3	1235.5	1215.9	1235.5	1235.5
55°	2092.0	1831.2	1565.4	1314.3	1141.9	1028.9	969.7	950.0	940.1	954.9	954.9
57.5°	1727.9	1506.2	1260.2	1033.7	861.5	782.7	738.3	713.8	708.7	718.7	708.7
60°	1417.7	1230.7	1018.9	812.3	679.4	595.7	561.2	551.3	541.4	551.3	551.3
62.5°	1122.3	964.8	792.4	635.0	521.7	462.8	423.3	423.3	418.4	418.4	423.3
65°	831.9	708.7	585.7	452.8	364.3	319.9	290.3	290.3	285.5	290.3	285.5
67.5°	605.4	521.7	423.3	329.8	261.0	236.2	216.6	201.8	211.7	201.8	196.9
70°	443.1	374.0	305.1	251.0	201.8	177.3	162.5	157.4	147.7	147.7	147.7
72.5°	295.4	251.0	206.7	162.5	132.9	108.2	103.3	93.6	83.7	88.5	98.5
75°	196.9	167.4	147.7	118.1	88.5	88.5	59.2	59.2	49.2	59.2	44.4
77.5°	137.8	113.3	88.5	73.8	59.2	54.1	39.3	39.3	34.4	34.4	34.4
80°	98.5	83.7	64.0	54.1	39.3	39.3	34.4	29.6	24.5	24.5	29.6
82.5°	59.2	44.4	44.4	39.3	24.5	19.7	14.8	19.7	9.9	9.9	9.9
85°	34.4	29.6	24.5	14.8	9.9	9.9	4.9	0.0	4.9	4.9	0.0
87.5°	19.7	9.9	9.9	4.9	0.0	4.9	4.9	0.0	0.0	0.0	9.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1
2.5°	10140.2	10135.2	10145.1	10145.1	10174.7	10169.6	10184.4	10184.4	10174.7	10179.6	10199.2
5°	10174.7	10189.5	10218.9	10243.6	10287.7	10307.6	10332.1	10356.8	10361.7	10376.5	10391.3
7.5°	10174.7	10223.9	10258.4	10302.5	10361.7	10396.1	10450.2	10494.6	10514.3	10538.8	10568.4
10°	10154.8	10204.1	10268.1	10317.3	10391.3	10445.4	10499.5	10568.4	10597.9	10637.2	10676.8
12.5°	10115.5	10169.6	10238.5	10302.5	10386.2	10435.4	10504.3	10568.4	10612.7	10666.8	10711.2
15°	10056.6	10120.4	10184.4	10248.4	10337.0	10396.1	10460.2	10533.9	10578.3	10637.2	10676.8
17.5°	9963.0	10031.8	10091.0	10150.0	10233.6	10302.5	10361.7	10430.6	10475.0	10524.2	10578.3
20°	9849.7	9913.7	9977.8	10027.0	10110.7	10169.6	10233.6	10297.7	10332.1	10342.0	10425.7
22.5°	9707.1	9751.2	9800.5	9879.3	9928.5	9982.6	10041.8	10100.7	10135.2	10189.5	10218.9
25°	9470.6	9515.0	9569.1	9603.5	9662.7	9707.1	9766.0	9830.0	9849.7	9889.2	9918.6
27.5°	9141.0	9165.5	9190.2	9219.6	9254.0	9278.7	9313.2	9342.8	9362.4	9382.1	9401.7
30°	8619.0	8619.0	8619.0	8599.4	8614.2	8629.0	8633.8	8629.0	8629.0	8624.1	8624.1
32.5°	7930.0	7890.7	7846.3	7807.0	7792.2	7772.5	7762.6	7747.8	7723.3	7708.5	7713.4
35°	6999.6	6911.0	6856.9	6807.7	6768.4	6738.8	6724.0	6709.2	6704.4	6684.7	6664.9
37.5°	5838.0	5774.0	5734.7	5705.1	5670.7	5641.1	5645.9	5651.0	5665.6	5655.9	5660.7
40°	4607.4	4592.6	4607.4	4572.9	4563.0	4572.9	4597.4	4632.1	4651.7	4671.4	4705.8
42.5°	3504.8	3529.3	3563.9	3563.9	3578.5	3598.4	3627.7	3682.0	3711.4	3745.9	3785.4
45°	2638.4	2668.0	2712.3	2726.9	2736.9	2761.4	2796.0	2840.2	2859.8	2889.4	2923.9
47.5°	2033.0	2052.6	2077.2	2101.9	2126.4	2136.3	2170.8	2170.8	2195.5	2215.1	2224.9
50°	1585.0	1604.7	1624.3	1639.1	1649.0	1663.8	1673.6	1688.4	1693.2	1703.1	1708.0
52.5°	1240.4	1265.1	1265.1	1274.8	1289.6	1304.4	1299.5	1304.4	1309.3	1309.3	1324.1
55°	969.7	969.7	984.5	984.5	994.4	989.3	994.4	994.4	994.4	994.4	999.3
57.5°	723.5	728.6	743.4	733.4	728.6	738.3	728.6	738.3	733.4	743.4	728.6
60°	556.2	556.2	561.2	561.2	566.1	566.1	566.1	561.2	561.2	556.2	556.2
62.5°	418.4	423.3	428.3	423.3	423.3	423.3	418.4	418.4	413.5	408.5	408.5
65°	280.6	275.8	285.5	275.8	280.6	280.6	275.8	280.6	265.8	270.7	265.8
67.5°	201.8	196.9	192.1	196.9	192.1	187.0	187.0	192.1	196.9	182.1	182.1
70°	132.9	137.8	132.9	137.8	142.8	142.8	137.8	132.9	137.8	128.0	132.9
72.5°	83.7	83.7	83.7	83.7	83.7	88.5	88.5	88.5	78.8	78.8	73.8
75°	39.3	54.1	44.4	39.3	54.1	54.1	49.2	49.2	44.4	44.4	44.4
77.5°	39.3	29.6	29.6	29.6	29.6	29.6	29.6	29.6	24.5	29.6	24.5
80°	19.7	19.7	19.7	14.8	19.7	19.7	24.5	19.7	19.7	14.8	24.5
82.5°	9.9	9.9	9.9	0.0	4.9	9.9	9.9	4.9	9.9	9.9	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: P248783

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1
2.5°	10194.3	10189.5	10194.3	10199.2	10194.3	10189.5	10194.3	10199.2	10179.6	10174.7	10184.4
5°	10410.9	10410.9	10420.7	10425.7	10420.7	10410.9	10410.9	10391.3	10376.5	10361.7	10356.8
7.5°	10597.9	10607.9	10617.6	10622.5	10617.6	10607.9	10597.9	10568.4	10538.8	10514.3	10494.6
10°	10711.2	10726.0	10745.6	10755.4	10745.6	10726.0	10711.2	10676.8	10637.2	10597.9	10568.4
12.5°	10760.4	10775.2	10799.7	10794.9	10799.7	10775.2	10760.4	10711.2	10666.8	10612.7	10568.4
15°	10726.0	10745.6	10770.2	10780.1	10770.2	10745.6	10726.0	10676.8	10637.2	10578.3	10533.9
17.5°	10617.6	10647.2	10662.0	10676.8	10662.0	10647.2	10617.6	10578.3	10524.2	10475.0	10430.6
20°	10469.9	10489.7	10509.4	10514.3	10509.4	10489.7	10469.9	10425.7	10342.0	10332.1	10297.7
22.5°	10258.4	10273.2	10317.3	10302.5	10317.3	10273.2	10258.4	10218.9	10189.5	10135.2	10100.7
25°	9953.0	9967.8	9972.9	9977.8	9972.9	9967.8	9953.0	9918.6	9889.2	9849.7	9830.0
27.5°	9426.4	9426.4	9436.2	9441.2	9436.2	9426.4	9426.4	9401.7	9382.1	9362.4	9342.8
30°	8629.0	8629.0	8629.0	8653.7	8629.0	8629.0	8629.0	8624.1	8624.1	8629.0	8629.0
32.5°	7708.5	7698.6	7688.9	7698.6	7688.9	7698.6	7708.5	7713.4	7708.5	7723.3	7747.8
35°	6664.9	6660.0	6674.8	6655.1	6674.8	6660.0	6664.9	6664.9	6684.7	6704.4	6709.2
37.5°	5665.6	5655.9	5675.5	5655.9	5675.5	5655.9	5665.6	5660.7	5655.9	5665.6	5651.0
40°	4715.8	4725.5	4725.5	4765.0	4725.5	4725.5	4715.8	4705.8	4671.4	4651.7	4632.1
42.5°	3805.0	3834.6	3824.7	3854.3	3824.7	3834.6	3805.0	3785.4	3745.9	3711.4	3682.0
45°	2943.5	2963.4	2963.4	2973.1	2963.4	2963.4	2943.5	2923.9	2889.4	2859.8	2840.2
47.5°	2259.3	2259.3	2259.3	2264.4	2259.3	2259.3	2259.3	2224.9	2215.1	2195.5	2170.8
50°	1717.9	1722.8	1727.9	1732.7	1727.9	1722.8	1717.9	1708.0	1703.1	1693.2	1688.4
52.5°	1319.2	1324.1	1314.3	1324.1	1314.3	1324.1	1319.2	1324.1	1309.3	1309.3	1304.4
55°	999.3	994.4	999.3	1004.1	999.3	994.4	999.3	999.3	994.4	994.4	994.4
57.5°	733.4	723.5	723.5	723.5	723.5	723.5	733.4	728.6	743.4	733.4	738.3
60°	546.4	551.3	551.3	556.2	551.3	551.3	546.4	556.2	556.2	561.2	561.2
62.5°	403.6	418.4	408.5	418.4	408.5	418.4	403.6	408.5	408.5	413.5	418.4
65°	261.0	261.0	261.0	265.8	261.0	261.0	261.0	265.8	270.7	265.8	280.6
67.5°	177.3	182.1	192.1	187.0	192.1	182.1	177.3	182.1	182.1	196.9	192.1
70°	142.8	128.0	128.0	142.8	128.0	128.0	142.8	132.9	128.0	137.8	132.9
72.5°	83.7	73.8	83.7	83.7	83.7	73.8	83.7	73.8	78.8	78.8	88.5
75°	44.4	39.3	34.4	49.2	34.4	39.3	44.4	44.4	44.4	44.4	49.2
77.5°	29.6	24.5	34.4	34.4	34.4	24.5	29.6	24.5	29.6	24.5	29.6
80°	14.8	19.7	14.8	24.5	14.8	19.7	14.8	24.5	14.8	19.7	19.7
82.5°	4.9	9.9	9.9	9.9	9.9	9.9	4.9	4.9	9.9	9.9	4.9
85°	0.0	9.9	4.9	4.9	4.9	9.9	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: P248783

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1
2.5°	10184.4	10169.6	10174.7	10145.1	10145.1	10135.2	10140.2	10115.5	10105.8	10095.9	10110.7
5°	10332.1	10307.6	10287.7	10243.6	10218.9	10189.5	10174.7	10135.2	10100.7	10071.2	10066.3
7.5°	10450.2	10396.1	10361.7	10302.5	10258.4	10223.9	10174.7	10120.4	10076.2	10036.7	10007.3
10°	10499.5	10445.4	10391.3	10317.3	10268.1	10204.1	10154.8	10085.9	10027.0	9972.9	9938.2
12.5°	10504.3	10435.4	10386.2	10302.5	10238.5	10169.6	10115.5	10036.7	9967.8	9913.7	9859.6
15°	10460.2	10396.1	10337.0	10248.4	10184.4	10120.4	10056.6	9972.9	9908.9	9844.8	9805.5
17.5°	10361.7	10302.5	10233.6	10150.0	10091.0	10031.8	9963.0	9894.1	9820.1	9751.2	9702.0
20°	10233.6	10169.6	10110.7	10027.0	9977.8	9913.7	9849.7	9776.0	9716.8	9647.9	9593.8
22.5°	10041.8	9982.6	9928.5	9879.3	9800.5	9751.2	9707.1	9623.4	9564.2	9500.2	9441.2
25°	9766.0	9707.1	9662.7	9603.5	9569.1	9515.0	9470.6	9396.9	9342.8	9283.6	9234.4
27.5°	9313.2	9278.7	9254.0	9219.6	9190.2	9165.5	9141.0	9081.8	9042.5	8988.4	8939.2
30°	8633.8	8629.0	8614.2	8599.4	8619.0	8619.0	8619.0	8609.3	8574.9	8535.4	8500.9
32.5°	7762.6	7772.5	7792.2	7807.0	7846.3	7890.7	7930.0	7949.6	7949.6	7925.1	7910.3
35°	6724.0	6738.8	6768.4	6807.7	6856.9	6911.0	6999.6	7019.4	7034.0	7034.0	7014.4
37.5°	5645.9	5641.1	5670.7	5705.1	5734.7	5774.0	5838.0	5852.8	5877.3	5867.6	5847.7
40°	4597.4	4572.9	4563.0	4572.9	4607.4	4592.6	4607.4	4597.4	4597.4	4563.0	4563.0
42.5°	3627.7	3598.4	3578.5	3563.9	3563.9	3529.3	3504.8	3480.2	3465.4	3440.7	3435.9
45°	2796.0	2761.4	2736.9	2726.9	2712.3	2668.0	2638.4	2608.8	2574.4	2564.6	2569.5
47.5°	2170.8	2136.3	2126.4	2101.9	2077.2	2052.6	2033.0	1998.5	1993.5	1973.8	1993.5
50°	1673.6	1663.8	1649.0	1639.1	1624.3	1604.7	1585.0	1565.4	1555.4	1555.4	1560.3
52.5°	1299.5	1304.4	1289.6	1274.8	1265.1	1265.1	1240.4	1235.5	1235.5	1215.9	1235.5
55°	994.4	989.3	994.4	984.5	984.5	969.7	969.7	954.9	954.9	940.1	950.0
57.5°	728.6	738.3	728.6	733.4	743.4	728.6	723.5	708.7	718.7	708.7	713.8
60°	566.1	566.1	566.1	561.2	561.2	556.2	556.2	551.3	551.3	541.4	551.3
62.5°	418.4	423.3	423.3	423.3	428.3	423.3	418.4	423.3	418.4	418.4	423.3
65°	275.8	280.6	280.6	275.8	285.5	275.8	280.6	285.5	290.3	285.5	290.3
67.5°	187.0	187.0	192.1	196.9	192.1	196.9	201.8	196.9	201.8	211.7	201.8
70°	137.8	142.8	142.8	137.8	132.9	137.8	132.9	147.7	147.7	147.7	157.4
72.5°	88.5	88.5	83.7	83.7	83.7	83.7	83.7	98.5	88.5	83.7	93.6
75°	49.2	54.1	54.1	39.3	44.4	54.1	39.3	44.4	59.2	49.2	59.2
77.5°	29.6	29.6	29.6	29.6	29.6	29.6	39.3	34.4	34.4	34.4	39.3
80°	24.5	19.7	19.7	14.8	19.7	19.7	19.7	29.6	24.5	24.5	29.6
82.5°	9.9	9.9	4.9	0.0	9.9	9.9	9.9	9.9	9.9	9.9	19.7
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	9.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248783

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1
2.5°	10071.2	10071.2	10066.3	10056.6	10036.7	10036.7	10031.8	10017.1	10007.3	10002.3	10002.3
5°	10021.9	10002.3	9982.6	9928.5	9928.5	9918.6	9889.2	9869.4	9859.6	9834.9	9825.2
7.5°	9977.8	9918.6	9884.1	9849.7	9805.5	9785.7	9751.2	9736.4	9702.0	9677.5	9662.7
10°	9869.4	9830.0	9785.7	9731.6	9697.1	9657.8	9618.3	9588.9	9544.6	9519.9	9500.2
12.5°	9795.6	9736.4	9697.1	9638.0	9579.0	9544.6	9490.5	9456.0	9411.7	9362.4	9332.8
15°	9726.7	9662.7	9608.6	9544.6	9480.5	9441.2	9377.2	9337.9	9273.9	9224.6	9190.2
17.5°	9623.4	9569.1	9510.1	9431.3	9372.4	9323.1	9254.0	9205.0	9145.8	9081.8	9047.4
20°	9515.0	9451.0	9392.0	9313.2	9254.0	9195.1	9126.2	9072.1	9003.0	8944.0	8904.7
22.5°	9372.4	9298.4	9249.2	9170.3	9101.5	9037.6	8973.6	8909.6	8845.6	8796.3	8752.0
25°	9165.5	9086.7	9032.6	8968.5	8904.7	8855.5	8776.7	8737.4	8673.3	8629.0	8584.6
27.5°	8870.1	8811.1	8761.9	8697.9	8643.8	8604.5	8545.3	8506.0	8451.7	8412.4	8377.9
30°	8437.1	8387.9	8343.5	8279.5	8240.2	8205.7	8151.4	8117.0	8077.7	8033.3	8023.6
32.5°	7856.2	7816.7	7772.5	7728.2	7698.6	7678.9	7634.6	7614.9	7575.6	7550.9	7526.4
35°	6979.9	6945.5	6921.0	6901.3	6891.4	6896.2	6886.5	6906.2	6915.9	6911.0	6915.9
37.5°	5833.2	5813.3	5823.2	5838.0	5887.2	5951.3	6010.2	6098.8	6157.9	6217.1	6271.2
40°	4553.3	4568.1	4607.4	4695.9	4824.0	4966.8	5099.7	5267.1	5434.4	5552.5	5660.7
42.5°	3435.9	3480.2	3578.5	3706.6	3898.6	4110.2	4317.0	4563.0	4765.0	4961.7	5099.7
45°	2584.3	2643.3	2771.3	2948.6	3160.1	3406.3	3667.2	3942.8	4184.1	4385.9	4538.5
47.5°	2013.3	2067.4	2195.5	2382.5	2643.3	2899.4	3170.0	3455.5	3706.6	3903.5	4036.4
50°	1589.9	1658.8	1772.0	1969.0	2229.9	2500.6	2781.2	3061.6	3298.1	3465.4	3583.6
52.5°	1250.3	1314.3	1422.5	1629.4	1895.2	2165.9	2426.7	2702.4	2909.1	3071.6	3150.4
55°	969.7	1028.9	1141.9	1314.3	1565.4	1831.2	2092.0	2328.4	2520.3	2638.4	2712.3
57.5°	738.3	782.7	861.5	1033.7	1260.2	1506.2	1727.9	1964.1	2111.8	2195.5	2244.5
60°	561.2	595.7	679.4	812.3	1018.9	1230.7	1417.7	1594.9	1713.1	1782.0	1831.2
62.5°	423.3	462.8	521.7	635.0	792.4	964.8	1122.3	1255.2	1353.6	1398.0	1432.5
65°	290.3	319.9	364.3	452.8	585.7	708.7	831.9	930.4	994.4	1043.6	1063.3
67.5°	216.6	236.2	261.0	329.8	423.3	521.7	605.4	674.3	743.4	763.0	797.5
70°	162.5	177.3	201.8	251.0	305.1	374.0	443.1	482.4	531.6	566.1	576.0
72.5°	103.3	108.2	132.9	162.5	206.7	251.0	295.4	329.8	359.4	379.1	388.8
75°	59.2	88.5	88.5	118.1	147.7	167.4	196.9	221.5	236.2	251.0	251.0
77.5°	39.3	54.1	59.2	73.8	88.5	113.3	137.8	152.6	167.4	172.2	172.2
80°	34.4	39.3	39.3	54.1	64.0	83.7	98.5	103.3	113.3	118.1	128.0
82.5°	14.8	19.7	24.5	39.3	44.4	44.4	59.2	64.0	73.8	78.8	78.8
85°	4.9	9.9	9.9	14.8	24.5	29.6	34.4	39.3	44.4	44.4	49.2
87.5°	4.9	4.9	0.0	4.9	9.9	9.9	19.7	19.7	19.7	29.6	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248783

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1	10081.1
2.5°	9992.5	9997.4	9977.8	9972.9	9963.0	9967.8	9977.8
5°	9810.4	9815.3	9795.6	9776.0	9776.0	9770.9	9776.0
7.5°	9638.0	9643.0	9613.5	9603.5	9583.9	9588.9	9588.9
10°	9465.8	9465.8	9421.6	9416.5	9401.7	9396.9	9396.9
12.5°	9298.4	9283.6	9249.2	9229.5	9239.4	9209.9	9209.9
15°	9150.7	9126.2	9081.8	9067.0	9042.5	9032.6	9032.6
17.5°	8998.1	8978.5	8939.2	8909.6	8880.0	8875.1	8880.0
20°	8850.4	8830.8	8781.5	8761.9	8737.4	8737.4	8727.4
22.5°	8702.7	8683.1	8638.9	8624.1	8589.7	8589.7	8594.5
25°	8550.2	8535.4	8486.1	8476.4	8471.5	8451.7	8461.6
27.5°	8343.5	8333.6	8294.3	8279.5	8259.8	8255.0	8264.7
30°	7964.4	7949.6	7920.2	7905.5	7871.0	7875.9	7885.6
32.5°	7491.9	7472.3	7432.8	7418.0	7388.6	7378.7	7383.5
35°	6901.3	6886.5	6852.1	6852.1	6822.5	6812.6	6822.5
37.5°	6300.8	6315.4	6300.8	6315.4	6300.8	6295.7	6300.8
40°	5734.7	5788.8	5798.5	5852.8	5833.2	5862.5	5857.7
42.5°	5193.1	5281.6	5316.3	5360.5	5350.7	5370.4	5385.2
45°	4646.7	4720.6	4755.1	4784.6	4789.5	4799.4	4804.3
47.5°	4129.8	4189.0	4193.8	4228.3	4223.4	4223.4	4238.2
50°	3647.6	3686.9	3696.6	3721.3	3701.7	3691.8	3696.6
52.5°	3199.6	3238.9	3229.0	3238.9	3214.4	3204.5	3209.3
55°	2741.7	2761.4	2761.4	2761.4	2732.0	2732.0	2732.0
57.5°	2274.1	2279.2	2269.2	2274.1	2269.2	2239.7	2234.8
60°	1846.0	1846.0	1840.9	1846.0	1831.2	1816.4	1816.4
62.5°	1442.2	1452.1	1471.8	1452.1	1442.2	1452.1	1437.3
65°	1078.1	1097.7	1092.7	1102.6	1097.7	1097.7	1087.8
67.5°	812.3	817.1	822.0	827.1	827.1	827.1	827.1
70°	595.7	610.5	605.4	605.4	605.4	605.4	635.0
72.5°	398.7	418.4	413.5	423.3	423.3	433.2	423.3
75°	270.7	290.3	280.6	295.4	290.3	280.6	305.1
77.5°	182.1	192.1	196.9	201.8	196.9	192.1	196.9
80°	128.0	137.8	132.9	137.8	137.8	137.8	142.8
82.5°	78.8	93.6	88.5	93.6	88.5	93.6	93.6
85°	54.1	59.2	49.2	59.2	54.1	54.1	64.0
87.5°	34.4	29.6	29.6	34.4	29.6	34.4	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)