

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: P248684

Luminaire Tested: **LD8B175D010 ER8B175840 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248684
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 ER8B175840 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18069.0 lumens
Efficiency: N/A
Efficacy: 102.0 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

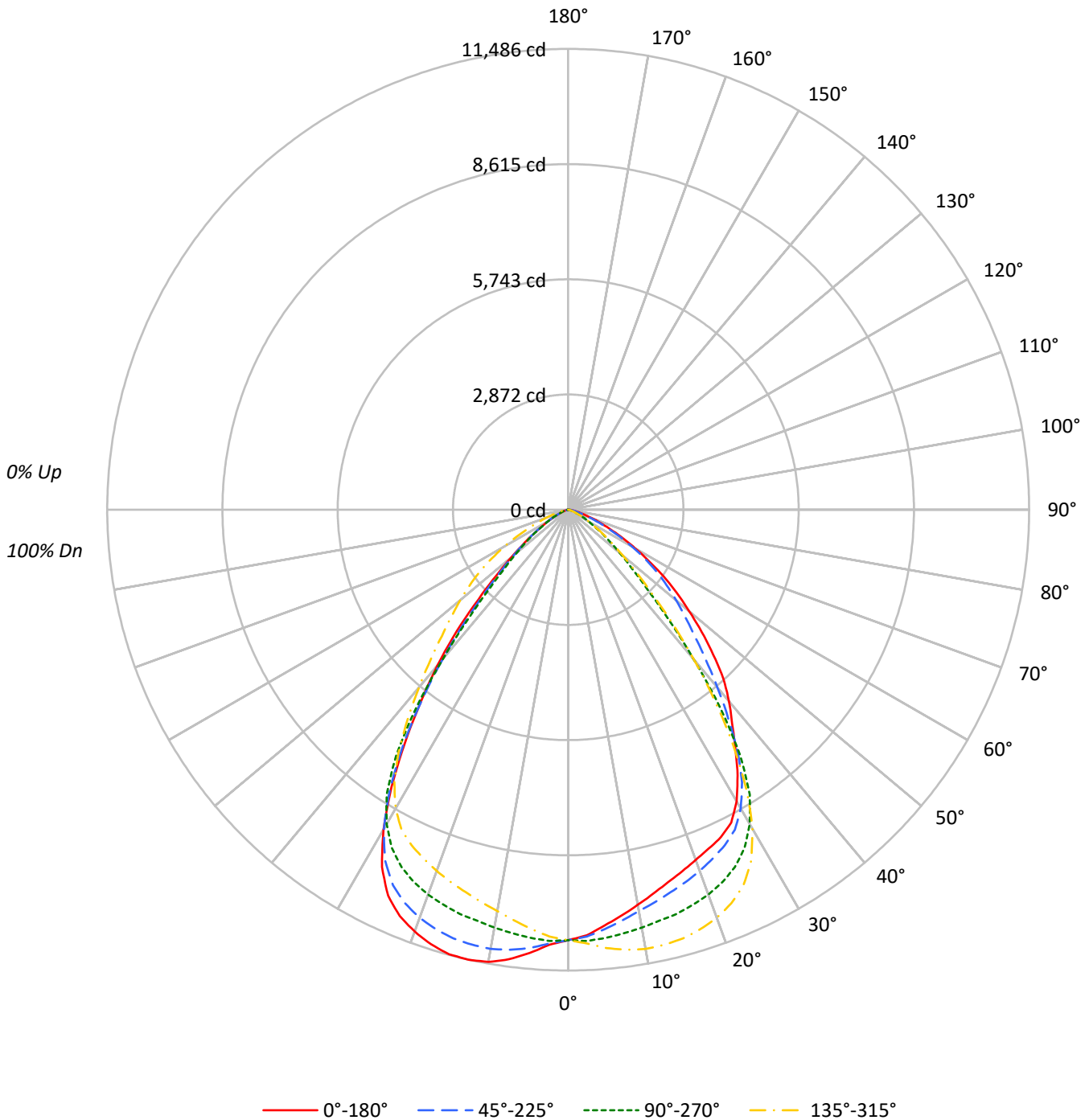
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	330781	330781	330781	330781
5°	321994	331559	343396	331559
10°	313086	331125	358350	331125
15°	306832	333090	366195	333090
20°	304743	334995	367135	334995
25°	306346	334321	361234	334321
30°	298769	322084	327870	322084
35°	273282	280969	266577	280969
40°	250903	195445	204100	195445
45°	222934	119232	137962	119232
50°	188701	79649	88447	79649
55°	156285	54347	57444	54347
60°	119201	36177	36498	36177
65°	84457	22539	20642	22539
70°	60921	15102	13704	15102
75°	38686	7506	6243	7506
80°	26992	5594	4635	5594
85°	24094	0	1840	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1021.0	5.7
10°-20°	2956.6	16.4
20°-30°	4477.0	24.8
30°-40°	4487.0	24.8
40°-50°	2817.6	15.6
50°-60°	1501.5	8.3
60°-70°	617.5	3.4
70°-80°	163.1	0.9
80°-90°	27.6	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°	8454.6	46.8
0°-40°	12941.7	71.6
0°-60°	17260.8	95.5
0°-90°	18069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18069.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10727	10727	10727	10727	10727	
5°	10402	10711	11094	10711	10402	981
15°	9611	10434	11471	10434	9611	2718
25°	9004	9826	10617	9826	9004	4129
35°	7260	7464	7082	7464	7260	4548
45°	5112	2734	3164	2734	5112	3932
55°	2907	1011	1068	1011	2907	2592
65°	1158	309	283	309	1158	1201
75°	325	63	52	63	325	368
85°	68	0	5	0	68	75
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°	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0
2.5°	10617.0	10606.5	10601.3	10611.9	10617.0	10638.0	10632.8	10643.1	10643.1	10648.5	10658.9
5°	10402.3	10396.9	10402.3	10402.3	10423.2	10444.1	10439.0	10454.7	10465.0	10491.4	10501.7
7.5°	10203.3	10203.3	10197.9	10218.8	10229.4	10260.9	10255.5	10281.8	10297.5	10323.6	10360.3
10°	9998.9	9998.9	10004.1	10019.9	10025.2	10072.2	10072.2	10108.9	10129.8	10156.1	10203.3
12.5°	9799.9	9799.9	9831.4	9820.9	9841.8	9878.4	9894.2	9930.8	9962.3	10014.7	10061.9
15°	9611.3	9611.3	9621.9	9648.0	9663.7	9710.9	9737.0	9779.0	9815.7	9868.1	9936.2
17.5°	9449.0	9443.8	9449.0	9480.4	9511.9	9553.7	9574.7	9627.0	9663.7	9731.8	9794.8
20°	9286.6	9297.2	9297.2	9323.3	9344.2	9396.6	9417.5	9475.3	9517.1	9579.8	9653.3
22.5°	9145.2	9140.0	9140.0	9176.7	9192.4	9239.4	9260.3	9312.7	9359.9	9412.3	9480.4
25°	9003.8	8993.2	9014.3	9019.5	9029.9	9082.2	9098.0	9134.6	9181.8	9229.1	9297.2
27.5°	8794.2	8783.9	8789.0	8809.9	8825.7	8867.5	8878.1	8914.7	8951.4	8993.2	9051.0
30°	8390.8	8380.5	8375.3	8412.0	8427.7	8459.0	8474.7	8537.7	8548.0	8595.2	8637.0
32.5°	7856.6	7851.4	7862.0	7893.3	7909.0	7951.0	7971.9	8008.6	8034.7	8061.0	8102.8
35°	7259.6	7249.1	7259.6	7291.1	7291.1	7327.8	7343.5	7359.0	7353.8	7359.0	7348.7
37.5°	6704.5	6699.1	6704.5	6720.0	6704.5	6720.0	6704.5	6673.0	6615.4	6552.5	6489.5
40°	6233.0	6238.2	6206.9	6227.8	6170.0	6159.7	6102.1	6023.4	5908.3	5782.6	5604.5
42.5°	5730.2	5714.5	5693.6	5703.9	5656.9	5620.1	5525.8	5426.4	5279.6	5070.3	4855.3
45°	5112.1	5106.9	5096.4	5091.2	5059.7	5023.1	4944.4	4829.3	4666.9	4452.2	4195.4
47.5°	4509.8	4494.0	4494.0	4499.2	4462.5	4457.4	4394.4	4295.0	4153.6	3944.0	3676.9
50°	3933.5	3928.3	3938.9	3959.8	3933.5	3923.1	3881.3	3813.2	3687.5	3509.4	3257.8
52.5°	3415.0	3409.8	3420.4	3446.5	3435.9	3446.5	3404.6	3352.2	3268.4	3095.5	2875.6
55°	2907.0	2907.0	2907.0	2938.3	2938.3	2938.3	2917.4	2886.1	2807.4	2681.7	2477.6
57.5°	2378.0	2383.2	2414.6	2419.8	2414.6	2425.2	2419.8	2388.3	2336.2	2247.1	2089.9
60°	1932.8	1932.8	1948.5	1964.3	1958.9	1964.3	1964.3	1948.5	1896.1	1822.8	1697.1
62.5°	1529.4	1545.1	1534.6	1545.1	1566.1	1545.1	1534.6	1524.2	1487.6	1440.4	1335.6
65°	1157.5	1168.1	1168.1	1173.3	1162.7	1168.1	1147.2	1131.4	1110.5	1058.1	990.0
67.5°	880.0	880.0	880.0	880.0	874.7	869.5	864.3	848.6	811.9	791.0	717.5
70°	675.7	644.2	644.2	644.2	644.2	649.6	633.8	612.9	602.4	565.7	513.3
72.5°	450.4	460.9	450.4	450.4	440.0	445.2	424.3	413.7	403.4	382.5	351.0
75°	324.7	298.6	308.9	314.3	298.6	308.9	288.0	267.1	267.1	251.4	235.6
77.5°	209.6	204.4	209.6	214.7	209.6	204.4	193.8	183.3	183.3	178.1	162.3
80°	152.0	146.6	146.6	146.6	141.4	146.6	136.3	136.3	125.7	120.5	110.0
82.5°	99.6	99.6	94.2	99.6	94.2	99.6	83.9	83.9	83.9	78.5	68.1
85°	68.1	57.6	57.6	63.0	52.4	63.0	57.6	52.4	47.2	47.2	41.8
87.5°	31.5	36.7	31.5	36.7	31.5	31.5	36.7	31.5	31.5	20.9	20.9
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°	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0
2.5°	10674.6	10679.8	10679.8	10700.9	10711.3	10716.4	10716.4	10758.5	10742.7	10753.3	10763.6
5°	10522.8	10554.1	10564.7	10564.7	10622.2	10643.1	10664.0	10711.3	10716.4	10747.9	10784.6
7.5°	10376.0	10412.7	10433.8	10480.8	10517.4	10554.1	10617.0	10648.5	10679.8	10721.8	10768.8
10°	10234.6	10276.6	10318.4	10355.1	10412.7	10459.9	10501.7	10575.0	10611.9	10669.4	10732.2
12.5°	10098.5	10156.1	10192.8	10255.5	10318.4	10360.3	10423.2	10491.4	10548.9	10606.5	10679.8
15°	9978.0	10046.2	10088.0	10156.1	10224.2	10281.8	10349.9	10433.8	10475.6	10543.7	10611.9
17.5°	9846.9	9920.5	9972.9	10035.6	10119.5	10182.2	10240.0	10323.6	10376.0	10449.3	10528.0
20°	9710.9	9784.2	9846.9	9909.9	9993.8	10056.5	10124.6	10208.5	10266.1	10339.4	10402.3
22.5°	9548.6	9616.7	9684.6	9757.9	9841.8	9894.2	9972.9	10046.2	10108.9	10177.0	10240.0
25°	9339.0	9422.9	9475.3	9543.2	9611.3	9668.9	9752.7	9826.0	9878.4	9941.4	9998.9
27.5°	9092.8	9155.8	9197.6	9255.1	9323.3	9375.7	9438.4	9511.9	9564.3	9621.9	9663.7
30°	8673.7	8731.5	8768.1	8809.9	8878.1	8925.3	8977.7	9045.6	9082.2	9124.3	9160.9
32.5°	8123.7	8170.9	8191.8	8223.3	8270.5	8317.5	8359.6	8417.1	8432.9	8459.0	8459.0
35°	7327.8	7338.1	7332.9	7343.5	7364.4	7390.5	7427.1	7463.8	7484.7	7484.7	7469.2
37.5°	6395.3	6332.6	6264.5	6212.1	6196.3	6185.8	6206.9	6222.4	6243.5	6253.9	6227.8
40°	5426.4	5285.0	5133.0	4996.8	4902.6	4860.7	4845.0	4855.3	4855.3	4892.0	4892.0
42.5°	4593.6	4373.5	4148.4	3944.0	3807.8	3703.2	3656.0	3656.0	3661.2	3687.5	3703.2
45°	3902.2	3624.5	3362.6	3137.5	2948.9	2812.6	2749.9	2734.1	2729.0	2739.3	2776.0
47.5°	3373.2	3085.1	2812.6	2535.1	2336.2	2199.9	2142.3	2121.2	2100.3	2121.2	2126.6
50°	2959.4	2660.8	2372.8	2095.1	1885.6	1765.1	1691.8	1660.3	1655.1	1655.1	1665.7
52.5°	2582.1	2304.7	2016.6	1733.8	1513.7	1398.5	1330.4	1314.7	1293.8	1314.7	1314.7
55°	2226.0	1948.5	1665.7	1398.5	1215.1	1094.8	1031.8	1010.9	1000.3	1016.1	1016.1
57.5°	1838.6	1602.7	1341.0	1100.0	916.7	832.8	785.6	759.5	754.1	764.7	754.1
60°	1508.5	1309.5	1084.2	864.3	722.9	633.8	597.2	586.6	576.1	586.6	586.6
62.5°	1194.2	1026.6	843.2	675.7	555.1	492.4	450.4	450.4	445.2	445.2	450.4
65°	885.2	754.1	623.3	481.8	387.6	340.4	308.9	308.9	303.8	308.9	303.8
67.5°	644.2	555.1	450.4	351.0	277.7	251.4	230.5	214.7	225.3	214.7	209.6
70°	471.5	398.0	324.7	267.1	214.7	188.6	172.9	167.5	157.2	157.2	157.2
72.5°	314.3	267.1	219.9	172.9	141.4	115.1	110.0	99.6	89.0	94.2	104.8
75°	209.6	178.1	157.2	125.7	94.2	94.2	63.0	63.0	52.4	63.0	47.2
77.5°	146.6	120.5	94.2	78.5	63.0	57.6	41.8	41.8	36.7	36.7	36.7
80°	104.8	89.0	68.1	57.6	41.8	41.8	36.7	31.5	26.1	26.1	31.5
82.5°	63.0	47.2	47.2	41.8	26.1	20.9	15.7	20.9	10.6	10.6	10.6
85°	36.7	31.5	26.1	15.7	10.6	10.6	5.2	0.0	5.2	5.2	0.0
87.5°	20.9	10.6	10.6	5.2	0.0	5.2	5.2	0.0	0.0	0.0	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0
2.5°	10789.9	10784.6	10795.1	10795.1	10826.6	10821.2	10836.9	10836.9	10826.6	10831.8	10852.7
5°	10826.6	10842.3	10873.6	10899.9	10946.9	10968.0	10994.1	11020.4	11025.6	11041.3	11057.1
7.5°	10826.6	10879.0	10915.6	10962.6	11025.6	11062.2	11119.8	11167.0	11187.9	11214.0	11245.5
10°	10805.5	10857.9	10926.0	10978.4	11057.1	11114.6	11172.2	11245.5	11277.0	11318.8	11360.8
12.5°	10763.6	10821.2	10894.5	10962.6	11051.7	11104.1	11177.4	11245.5	11292.7	11350.3	11397.5
15°	10700.9	10768.8	10836.9	10905.1	10999.3	11062.2	11130.4	11208.8	11256.1	11318.8	11360.8
17.5°	10601.3	10674.6	10737.6	10800.3	10889.3	10962.6	11025.6	11098.9	11146.1	11198.5	11256.1
20°	10480.8	10548.9	10617.0	10669.4	10758.5	10821.2	10889.3	10957.5	10994.1	11004.7	11093.7
22.5°	10329.0	10376.0	10428.4	10512.3	10564.7	10622.2	10685.2	10747.9	10784.6	10842.3	10873.6
25°	10077.4	10124.6	10182.2	10218.8	10281.8	10329.0	10391.7	10459.9	10480.8	10522.8	10554.1
27.5°	9726.6	9752.7	9779.0	9810.3	9846.9	9873.2	9909.9	9941.4	9962.3	9983.2	10004.1
30°	9171.3	9171.3	9171.3	9150.4	9166.1	9181.8	9187.0	9181.8	9181.8	9176.7	9176.7
32.5°	8438.1	8396.2	8349.0	8307.2	8291.5	8270.5	8260.0	8244.2	8218.1	8202.4	8207.6
35°	7448.1	7353.8	7296.3	7243.9	7202.1	7170.6	7154.9	7139.1	7133.9	7113.0	7091.9
37.5°	6212.1	6143.9	6102.1	6070.6	6034.0	6002.5	6007.7	6013.1	6028.6	6018.2	6023.4
40°	4902.6	4886.8	4902.6	4865.9	4855.3	4865.9	4892.0	4928.9	4949.8	4970.7	5007.3
42.5°	3729.3	3755.4	3792.3	3792.3	3807.8	3828.9	3860.2	3918.0	3949.2	3985.9	4027.9
45°	2807.4	2838.9	2886.1	2901.7	2912.2	2938.3	2975.2	3022.2	3043.1	3074.6	3111.2
47.5°	2163.2	2184.2	2210.2	2236.6	2262.6	2273.2	2309.9	2309.9	2336.2	2357.1	2367.4
50°	1686.6	1707.5	1728.4	1744.1	1754.7	1770.4	1780.8	1796.5	1801.7	1812.3	1817.4
52.5°	1319.9	1346.2	1346.2	1356.5	1372.2	1388.0	1382.8	1388.0	1393.2	1393.2	1408.9
55°	1031.8	1031.8	1047.6	1047.6	1058.1	1052.7	1058.1	1058.1	1058.1	1058.1	1063.3
57.5°	769.9	775.3	791.0	780.4	775.3	785.6	775.3	785.6	780.4	791.0	775.3
60°	591.8	591.8	597.2	597.2	602.4	602.4	602.4	597.2	597.2	591.8	591.8
62.5°	445.2	450.4	455.8	450.4	450.4	450.4	445.2	445.2	440.0	434.6	434.6
65°	298.6	293.4	303.8	293.4	298.6	298.6	293.4	298.6	282.9	288.0	282.9
67.5°	214.7	209.6	204.4	209.6	204.4	199.0	199.0	204.4	209.6	193.8	193.8
70°	141.4	146.6	141.4	146.6	152.0	152.0	146.6	141.4	146.6	136.3	141.4
72.5°	89.0	89.0	89.0	89.0	89.0	94.2	94.2	94.2	83.9	83.9	78.5
75°	41.8	57.6	47.2	41.8	57.6	57.6	52.4	52.4	47.2	47.2	47.2
77.5°	41.8	31.5	31.5	31.5	31.5	31.5	31.5	31.5	26.1	31.5	26.1
80°	20.9	20.9	20.9	15.7	20.9	20.9	26.1	20.9	20.9	15.7	26.1
82.5°	10.6	10.6	10.6	0.0	5.2	10.6	10.6	5.2	10.6	10.6	5.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248684

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0
2.5°	10847.5	10842.3	10847.5	10852.7	10847.5	10842.3	10847.5	10852.7	10831.8	10826.6	10836.9
5°	11078.0	11078.0	11088.3	11093.7	11088.3	11078.0	11078.0	11057.1	11041.3	11025.6	11020.4
7.5°	11277.0	11287.5	11297.9	11303.1	11297.9	11287.5	11277.0	11245.5	11214.0	11187.9	11167.0
10°	11397.5	11413.2	11434.1	11444.5	11434.1	11413.2	11397.5	11360.8	11318.8	11277.0	11245.5
12.5°	11449.9	11465.6	11491.7	11486.5	11491.7	11465.6	11449.9	11397.5	11350.3	11292.7	11245.5
15°	11413.2	11434.1	11460.2	11470.8	11460.2	11434.1	11413.2	11360.8	11318.8	11256.1	11208.8
17.5°	11297.9	11329.4	11345.1	11360.8	11345.1	11329.4	11297.9	11256.1	11198.5	11146.1	11098.9
20°	11140.7	11161.8	11182.8	11187.9	11182.8	11161.8	11140.7	11093.7	11004.7	10994.1	10957.5
22.5°	10915.6	10931.4	10978.4	10962.6	10978.4	10931.4	10915.6	10873.6	10842.3	10784.6	10747.9
25°	10590.7	10606.5	10611.9	10617.0	10611.9	10606.5	10590.7	10554.1	10522.8	10480.8	10459.9
27.5°	10030.4	10030.4	10040.8	10046.2	10040.8	10030.4	10030.4	10004.1	9983.2	9962.3	9941.4
30°	9181.8	9181.8	9181.8	9208.1	9181.8	9181.8	9181.8	9176.7	9176.7	9181.8	9181.8
32.5°	8202.4	8191.8	8181.5	8191.8	8181.5	8191.8	8202.4	8207.6	8202.4	8218.1	8244.2
35°	7091.9	7086.7	7102.5	7081.5	7102.5	7086.7	7091.9	7091.9	7113.0	7133.9	7139.1
37.5°	6028.6	6018.2	6039.2	6018.2	6039.2	6018.2	6028.6	6023.4	6018.2	6028.6	6013.1
40°	5017.9	5028.3	5028.3	5070.3	5028.3	5028.3	5017.9	5007.3	4970.7	4949.8	4928.9
42.5°	4048.8	4080.3	4069.7	4101.2	4069.7	4080.3	4048.8	4027.9	3985.9	3949.2	3918.0
45°	3132.1	3153.2	3153.2	3163.6	3153.2	3153.2	3132.1	3111.2	3074.6	3043.1	3022.2
47.5°	2404.1	2404.1	2404.1	2409.5	2404.1	2404.1	2404.1	2367.4	2357.1	2336.2	2309.9
50°	1828.0	1833.2	1838.6	1843.7	1838.6	1833.2	1828.0	1817.4	1812.3	1801.7	1796.5
52.5°	1403.7	1408.9	1398.5	1408.9	1398.5	1408.9	1403.7	1408.9	1393.2	1393.2	1388.0
55°	1063.3	1058.1	1063.3	1068.5	1063.3	1058.1	1063.3	1063.3	1058.1	1058.1	1058.1
57.5°	780.4	769.9	769.9	769.9	769.9	769.9	780.4	775.3	791.0	780.4	785.6
60°	581.5	586.6	586.6	591.8	586.6	586.6	581.5	591.8	591.8	597.2	597.2
62.5°	429.5	445.2	434.6	445.2	434.6	445.2	429.5	434.6	434.6	440.0	445.2
65°	277.7	277.7	277.7	282.9	277.7	277.7	277.7	282.9	288.0	282.9	298.6
67.5°	188.6	193.8	204.4	199.0	204.4	193.8	188.6	193.8	193.8	209.6	204.4
70°	152.0	136.3	136.3	152.0	136.3	136.3	152.0	141.4	136.3	146.6	141.4
72.5°	89.0	78.5	89.0	89.0	89.0	78.5	89.0	78.5	83.9	83.9	94.2
75°	47.2	41.8	36.7	52.4	36.7	41.8	47.2	47.2	47.2	47.2	52.4
77.5°	31.5	26.1	36.7	36.7	36.7	26.1	31.5	26.1	31.5	26.1	31.5
80°	15.7	20.9	15.7	26.1	15.7	20.9	15.7	26.1	15.7	20.9	20.9
82.5°	5.2	10.6	10.6	10.6	10.6	10.6	5.2	5.2	10.6	10.6	5.2
85°	0.0	10.6	5.2	5.2	5.2	10.6	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	0.0	0.0	5.2	0.0	0.0	5.2	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248684

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0
2.5°	10836.9	10821.2	10826.6	10795.1	10795.1	10784.6	10789.9	10763.6	10753.3	10742.7	10758.5
5°	10994.1	10968.0	10946.9	10899.9	10873.6	10842.3	10826.6	10784.6	10747.9	10716.4	10711.3
7.5°	11119.8	11062.2	11025.6	10962.6	10915.6	10879.0	10826.6	10768.8	10721.8	10679.8	10648.5
10°	11172.2	11114.6	11057.1	10978.4	10926.0	10857.9	10805.5	10732.2	10669.4	10611.9	10575.0
12.5°	11177.4	11104.1	11051.7	10962.6	10894.5	10821.2	10763.6	10679.8	10606.5	10548.9	10491.4
15°	11130.4	11062.2	10999.3	10905.1	10836.9	10768.8	10700.9	10611.9	10543.7	10475.6	10433.8
17.5°	11025.6	10962.6	10889.3	10800.3	10737.6	10674.6	10601.3	10528.0	10449.3	10376.0	10323.6
20°	10889.3	10821.2	10758.5	10669.4	10617.0	10548.9	10480.8	10402.3	10339.4	10266.1	10208.5
22.5°	10685.2	10622.2	10564.7	10512.3	10428.4	10376.0	10329.0	10240.0	10177.0	10108.9	10046.2
25°	10391.7	10329.0	10281.8	10218.8	10182.2	10124.6	10077.4	9998.9	9941.4	9878.4	9826.0
27.5°	9909.9	9873.2	9846.9	9810.3	9779.0	9752.7	9726.6	9663.7	9621.9	9564.3	9511.9
30°	9187.0	9181.8	9166.1	9150.4	9171.3	9171.3	9171.3	9160.9	9124.3	9082.2	9045.6
32.5°	8260.0	8270.5	8291.5	8307.2	8349.0	8396.2	8438.1	8459.0	8459.0	8432.9	8417.1
35°	7154.9	7170.6	7202.1	7243.9	7296.3	7353.8	7448.1	7469.2	7484.7	7484.7	7463.8
37.5°	6007.7	6002.5	6034.0	6070.6	6102.1	6143.9	6212.1	6227.8	6253.9	6243.5	6222.4
40°	4892.0	4865.9	4855.3	4865.9	4902.6	4886.8	4902.6	4892.0	4892.0	4855.3	4855.3
42.5°	3860.2	3828.9	3807.8	3792.3	3792.3	3755.4	3729.3	3703.2	3687.5	3661.2	3656.0
45°	2975.2	2938.3	2912.2	2901.7	2886.1	2838.9	2807.4	2776.0	2739.3	2729.0	2734.1
47.5°	2309.9	2273.2	2262.6	2236.6	2210.2	2184.2	2163.2	2126.6	2121.2	2100.3	2121.2
50°	1780.8	1770.4	1754.7	1744.1	1728.4	1707.5	1686.6	1665.7	1655.1	1655.1	1660.3
52.5°	1382.8	1388.0	1372.2	1356.5	1346.2	1346.2	1319.9	1314.7	1314.7	1293.8	1314.7
55°	1058.1	1052.7	1058.1	1047.6	1047.6	1031.8	1031.8	1016.1	1016.1	1000.3	1010.9
57.5°	775.3	785.6	775.3	780.4	791.0	775.3	769.9	754.1	764.7	754.1	759.5
60°	602.4	602.4	602.4	597.2	597.2	591.8	591.8	586.6	586.6	576.1	586.6
62.5°	445.2	450.4	450.4	450.4	455.8	450.4	445.2	450.4	445.2	445.2	450.4
65°	293.4	298.6	298.6	293.4	303.8	293.4	298.6	303.8	308.9	303.8	308.9
67.5°	199.0	199.0	204.4	209.6	204.4	209.6	214.7	209.6	214.7	225.3	214.7
70°	146.6	152.0	152.0	146.6	141.4	146.6	141.4	157.2	157.2	157.2	167.5
72.5°	94.2	94.2	89.0	89.0	89.0	89.0	89.0	104.8	94.2	89.0	99.6
75°	52.4	57.6	57.6	41.8	47.2	57.6	41.8	47.2	63.0	52.4	63.0
77.5°	31.5	31.5	31.5	31.5	31.5	31.5	41.8	36.7	36.7	36.7	41.8
80°	26.1	20.9	20.9	15.7	20.9	20.9	20.9	31.5	26.1	26.1	31.5
82.5°	10.6	10.6	5.2	0.0	10.6	10.6	10.6	10.6	10.6	10.6	20.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248684

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0
2.5°	10716.4	10716.4	10711.3	10700.9	10679.8	10679.8	10674.6	10658.9	10648.5	10643.1	10643.1
5°	10664.0	10643.1	10622.2	10564.7	10564.7	10554.1	10522.8	10501.7	10491.4	10465.0	10454.7
7.5°	10617.0	10554.1	10517.4	10480.8	10433.8	10412.7	10376.0	10360.3	10323.6	10297.5	10281.8
10°	10501.7	10459.9	10412.7	10355.1	10318.4	10276.6	10234.6	10203.3	10156.1	10129.8	10108.9
12.5°	10423.2	10360.3	10318.4	10255.5	10192.8	10156.1	10098.5	10061.9	10014.7	9962.3	9930.8
15°	10349.9	10281.8	10224.2	10156.1	10088.0	10046.2	9978.0	9936.2	9868.1	9815.7	9779.0
17.5°	10240.0	10182.2	10119.5	10035.6	9972.9	9920.5	9846.9	9794.8	9731.8	9663.7	9627.0
20°	10124.6	10056.5	9993.8	9909.9	9846.9	9784.2	9710.9	9653.3	9579.8	9517.1	9475.3
22.5°	9972.9	9894.2	9841.8	9757.9	9684.6	9616.7	9548.6	9480.4	9412.3	9359.9	9312.7
25°	9752.7	9668.9	9611.3	9543.2	9475.3	9422.9	9339.0	9297.2	9229.1	9181.8	9134.6
27.5°	9438.4	9375.7	9323.3	9255.1	9197.6	9155.8	9092.8	9051.0	8993.2	8951.4	8914.7
30°	8977.7	8925.3	8878.1	8809.9	8768.1	8731.5	8673.7	8637.0	8595.2	8548.0	8537.7
32.5°	8359.6	8317.5	8270.5	8223.3	8191.8	8170.9	8123.7	8102.8	8061.0	8034.7	8008.6
35°	7427.1	7390.5	7364.4	7343.5	7332.9	7338.1	7327.8	7348.7	7359.0	7353.8	7359.0
37.5°	6206.9	6185.8	6196.3	6212.1	6264.5	6332.6	6395.3	6489.5	6552.5	6615.4	6673.0
40°	4845.0	4860.7	4902.6	4996.8	5133.0	5285.0	5426.4	5604.5	5782.6	5908.3	6023.4
42.5°	3656.0	3703.2	3807.8	3944.0	4148.4	4373.5	4593.6	4855.3	5070.3	5279.6	5426.4
45°	2749.9	2812.6	2948.9	3137.5	3362.6	3624.5	3902.2	4195.4	4452.2	4666.9	4829.3
47.5°	2142.3	2199.9	2336.2	2535.1	2812.6	3085.1	3373.2	3676.9	3944.0	4153.6	4295.0
50°	1691.8	1765.1	1885.6	2095.1	2372.8	2660.8	2959.4	3257.8	3509.4	3687.5	3813.2
52.5°	1330.4	1398.5	1513.7	1733.8	2016.6	2304.7	2582.1	2875.6	3095.5	3268.4	3352.2
55°	1031.8	1094.8	1215.1	1398.5	1665.7	1948.5	2226.0	2477.6	2681.7	2807.4	2886.1
57.5°	785.6	832.8	916.7	1100.0	1341.0	1602.7	1838.6	2089.9	2247.1	2336.2	2388.3
60°	597.2	633.8	722.9	864.3	1084.2	1309.5	1508.5	1697.1	1822.8	1896.1	1948.5
62.5°	450.4	492.4	555.1	675.7	843.2	1026.6	1194.2	1335.6	1440.4	1487.6	1524.2
65°	308.9	340.4	387.6	481.8	623.3	754.1	885.2	990.0	1058.1	1110.5	1131.4
67.5°	230.5	251.4	277.7	351.0	450.4	555.1	644.2	717.5	791.0	811.9	848.6
70°	172.9	188.6	214.7	267.1	324.7	398.0	471.5	513.3	565.7	602.4	612.9
72.5°	110.0	115.1	141.4	172.9	219.9	267.1	314.3	351.0	382.5	403.4	413.7
75°	63.0	94.2	94.2	125.7	157.2	178.1	209.6	235.6	251.4	267.1	267.1
77.5°	41.8	57.6	63.0	78.5	94.2	120.5	146.6	162.3	178.1	183.3	183.3
80°	36.7	41.8	41.8	57.6	68.1	89.0	104.8	110.0	120.5	125.7	136.3
82.5°	15.7	20.9	26.1	41.8	47.2	47.2	63.0	68.1	78.5	83.9	83.9
85°	5.2	10.6	10.6	15.7	26.1	31.5	36.7	41.8	47.2	47.2	52.4
87.5°	5.2	5.2	0.0	5.2	10.6	10.6	20.9	20.9	20.9	31.5	31.5
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: P248684

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0	10727.0
2.5°	10632.8	10638.0	10617.0	10611.9	10601.3	10606.5	10617.0
5°	10439.0	10444.1	10423.2	10402.3	10402.3	10396.9	10402.3
7.5°	10255.5	10260.9	10229.4	10218.8	10197.9	10203.3	10203.3
10°	10072.2	10072.2	10025.2	10019.9	10004.1	9998.9	9998.9
12.5°	9894.2	9878.4	9841.8	9820.9	9831.4	9799.9	9799.9
15°	9737.0	9710.9	9663.7	9648.0	9621.9	9611.3	9611.3
17.5°	9574.7	9553.7	9511.9	9480.4	9449.0	9443.8	9449.0
20°	9417.5	9396.6	9344.2	9323.3	9297.2	9297.2	9286.6
22.5°	9260.3	9239.4	9192.4	9176.7	9140.0	9140.0	9145.2
25°	9098.0	9082.2	9029.9	9019.5	9014.3	8993.2	9003.8
27.5°	8878.1	8867.5	8825.7	8809.9	8789.0	8783.9	8794.2
30°	8474.7	8459.0	8427.7	8412.0	8375.3	8380.5	8390.8
32.5°	7971.9	7951.0	7909.0	7893.3	7862.0	7851.4	7856.6
35°	7343.5	7327.8	7291.1	7291.1	7259.6	7249.1	7259.6
37.5°	6704.5	6720.0	6704.5	6720.0	6704.5	6699.1	6704.5
40°	6102.1	6159.7	6170.0	6227.8	6206.9	6238.2	6233.0
42.5°	5525.8	5620.1	5656.9	5703.9	5693.6	5714.5	5730.2
45°	4944.4	5023.1	5059.7	5091.2	5096.4	5106.9	5112.1
47.5°	4394.4	4457.4	4462.5	4499.2	4494.0	4494.0	4509.8
50°	3881.3	3923.1	3933.5	3959.8	3938.9	3928.3	3933.5
52.5°	3404.6	3446.5	3435.9	3446.5	3420.4	3409.8	3415.0
55°	2917.4	2938.3	2938.3	2938.3	2907.0	2907.0	2907.0
57.5°	2419.8	2425.2	2414.6	2419.8	2414.6	2383.2	2378.0
60°	1964.3	1964.3	1958.9	1964.3	1948.5	1932.8	1932.8
62.5°	1534.6	1545.1	1566.1	1545.1	1534.6	1545.1	1529.4
65°	1147.2	1168.1	1162.7	1173.3	1168.1	1168.1	1157.5
67.5°	864.3	869.5	874.7	880.0	880.0	880.0	880.0
70°	633.8	649.6	644.2	644.2	644.2	644.2	675.7
72.5°	424.3	445.2	440.0	450.4	450.4	460.9	450.4
75°	288.0	308.9	298.6	314.3	308.9	298.6	324.7
77.5°	193.8	204.4	209.6	214.7	209.6	204.4	209.6
80°	136.3	146.6	141.4	146.6	146.6	146.6	152.0
82.5°	83.9	99.6	94.2	99.6	94.2	99.6	99.6
85°	57.6	63.0	52.4	63.0	57.6	57.6	68.1
87.5°	36.7	31.5	31.5	36.7	31.5	36.7	31.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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