

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: P248846

Luminaire Tested: **LD8B175D010 ER8B175950 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248846
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 ER8B175950 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15659.0 lumens
Efficiency: N/A
Efficacy: 88.4 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

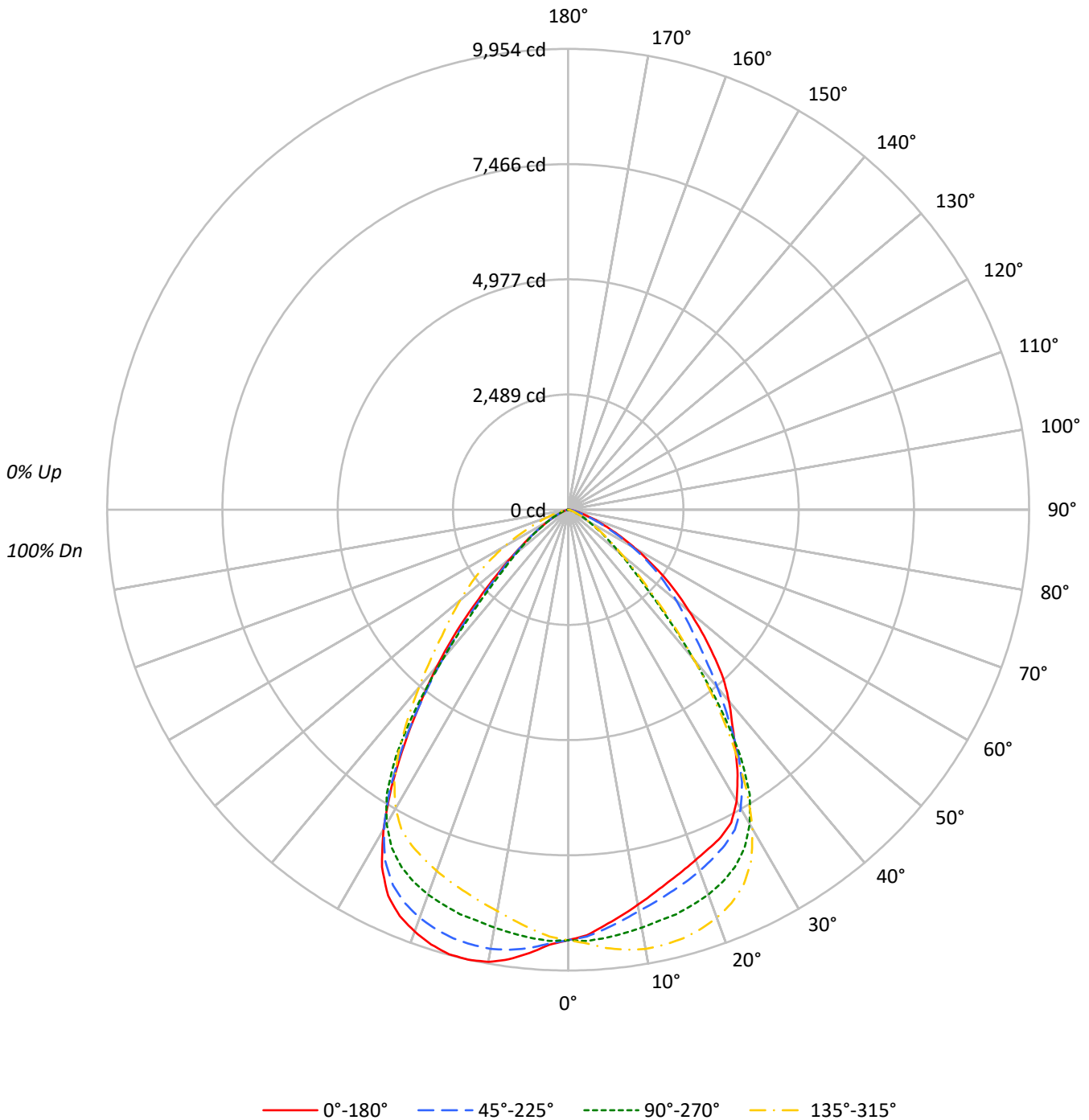
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	286664	286664	286664	286664
5°	279048	287335	297596	287335
10°	271328	286959	310553	286959
15°	265909	288664	317351	288664
20°	264098	290314	318168	290314
25°	265487	289732	313056	289732
30°	258921	279125	284142	279125
35°	236835	243494	231022	243494
40°	217436	169381	176876	169381
45°	193202	103332	119559	103332
50°	163530	69023	76651	69023
55°	135441	47100	49783	47100
60°	103302	31354	31632	31354
65°	73191	19533	17884	19533
70°	52788	13091	11874	13091
75°	33527	6505	5409	6505
80°	23387	4848	4013	4848
85°	20875	0	1592	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	884.8	5.7
10°-20°	2562.3	16.4
20°-30°	3879.9	24.8
30°-40°	3888.6	24.8
40°-50°	2441.8	15.6
50°-60°	1301.2	8.3
60°-70°	535.1	3.4
70°-80°	141.4	0.9
80°-90°	23.9	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°	7327.0	46.8
0°-40°	11215.6	71.6
0°-60°	14958.6	95.5
0°-90°	15659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15659.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9296	9296	9296	9296	9296	
5°	9015	9283	9614	9283	9015	850
15°	8329	9042	9941	9042	8329	2356
25°	7803	8516	9201	8516	7803	3579
35°	6291	6468	6137	6468	6291	3942
45°	4430	2370	2742	2370	4430	3407
55°	2519	876	926	876	2519	2246
65°	1003	268	245	268	1003	1041
75°	281	55	45	55	281	319
85°	59	0	4	0	59	65
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°	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3
2.5°	9201.0	9191.8	9187.3	9196.5	9201.0	9219.1	9214.6	9223.6	9223.6	9228.2	9237.2
5°	9014.9	9010.2	9014.9	9014.9	9033.0	9051.1	9046.6	9060.3	9069.2	9092.0	9101.0
7.5°	8842.4	8842.4	8837.8	8855.9	8865.0	8892.3	8887.6	8910.4	8924.1	8946.7	8978.4
10°	8665.3	8665.3	8669.8	8683.4	8688.1	8728.8	8728.8	8760.6	8778.7	8801.5	8842.4
12.5°	8492.9	8492.9	8520.1	8511.0	8529.1	8560.9	8574.5	8606.3	8633.5	8678.9	8719.9
15°	8329.4	8329.4	8338.5	8361.1	8374.8	8415.7	8438.3	8474.7	8506.5	8551.9	8610.9
17.5°	8188.7	8184.2	8188.7	8216.0	8243.2	8279.5	8297.6	8343.0	8374.8	8433.8	8488.4
20°	8048.0	8057.2	8057.2	8079.8	8097.9	8143.3	8161.4	8211.5	8247.7	8302.1	8365.8
22.5°	7925.4	7920.9	7920.9	7952.7	7966.3	8007.1	8025.2	8070.6	8111.5	8156.9	8216.0
25°	7802.9	7793.7	7812.0	7816.5	7825.5	7870.9	7884.5	7916.3	7957.2	7998.1	8057.2
27.5°	7621.3	7612.3	7616.8	7634.9	7648.5	7684.8	7693.9	7725.7	7757.5	7793.7	7843.8
30°	7271.7	7262.7	7258.2	7290.0	7303.6	7330.7	7344.4	7398.9	7407.9	7448.8	7485.1
32.5°	6808.7	6804.2	6813.4	6840.5	6854.1	6890.5	6908.7	6940.4	6963.0	6985.8	7022.1
35°	6291.4	6282.2	6291.4	6318.6	6318.6	6350.4	6364.0	6377.5	6373.0	6377.5	6368.5
37.5°	5810.3	5805.6	5810.3	5823.7	5810.3	5823.7	5810.3	5783.0	5733.1	5678.5	5624.0
40°	5401.6	5406.1	5379.0	5397.2	5347.1	5338.1	5288.2	5220.0	5120.3	5011.3	4857.0
42.5°	4965.9	4952.3	4934.2	4943.1	4902.4	4870.5	4788.8	4702.7	4575.4	4394.0	4207.8
45°	4430.3	4425.8	4416.6	4412.2	4384.9	4353.1	4284.9	4185.1	4044.5	3858.4	3635.8
47.5°	3908.3	3894.6	3894.6	3899.1	3867.3	3862.9	3808.3	3722.2	3599.6	3418.0	3186.5
50°	3408.8	3404.4	3413.5	3431.6	3408.8	3399.9	3363.6	3304.6	3195.7	3041.3	2823.3
52.5°	2959.5	2955.0	2964.2	2986.8	2977.6	2986.8	2950.5	2905.1	2832.4	2682.6	2492.0
55°	2519.3	2519.3	2519.3	2546.4	2546.4	2546.4	2528.3	2501.2	2433.0	2324.1	2147.1
57.5°	2060.8	2065.3	2092.6	2097.1	2092.6	2101.7	2097.1	2069.8	2024.6	1947.4	1811.2
60°	1675.0	1675.0	1688.6	1702.3	1697.6	1702.3	1702.3	1688.6	1643.2	1579.7	1470.8
62.5°	1325.4	1339.1	1329.9	1339.1	1357.2	1339.1	1329.9	1320.9	1289.2	1248.3	1157.5
65°	1003.1	1012.3	1012.3	1016.8	1007.6	1012.3	994.2	980.5	962.4	917.0	858.0
67.5°	762.7	762.7	762.7	762.7	758.0	753.5	749.0	735.4	703.6	685.5	621.8
70°	585.5	558.3	558.3	558.3	558.3	562.9	549.3	531.2	522.0	490.3	444.9
72.5°	390.3	399.5	390.3	390.3	381.3	385.8	367.7	358.5	349.6	331.4	304.2
75°	281.4	258.8	267.7	272.4	258.8	267.7	249.6	231.5	231.5	217.9	204.2
77.5°	181.6	177.1	181.6	186.1	181.6	177.1	168.0	158.8	158.8	154.3	140.7
80°	131.7	127.0	127.0	127.0	122.6	127.0	118.1	118.1	108.9	104.4	95.3
82.5°	86.3	86.3	81.6	86.3	81.6	86.3	72.7	72.7	72.7	68.0	59.0
85°	59.0	49.9	49.9	54.6	45.4	54.6	49.9	45.4	40.9	40.9	36.2
87.5°	27.3	31.8	27.3	31.8	27.3	27.3	31.8	27.3	27.3	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3
2.5°	9250.9	9255.3	9255.3	9273.6	9282.6	9287.1	9287.1	9323.5	9309.9	9319.0	9328.0
5°	9119.3	9146.4	9155.6	9155.6	9205.4	9223.6	9241.7	9282.6	9287.1	9314.4	9346.1
7.5°	8992.1	9023.8	9042.2	9082.9	9114.6	9146.4	9201.0	9228.2	9255.3	9291.8	9332.5
10°	8869.5	8906.0	8942.2	8974.0	9023.8	9064.8	9101.0	9164.5	9196.5	9246.4	9300.7
12.5°	8751.6	8801.5	8833.3	8887.6	8942.2	8978.4	9033.0	9092.0	9141.9	9191.8	9255.3
15°	8647.2	8706.2	8742.5	8801.5	8860.5	8910.4	8969.5	9042.2	9078.4	9137.4	9196.5
17.5°	8533.6	8597.3	8642.7	8697.1	8769.7	8824.1	8874.2	8946.7	8992.1	9055.6	9123.8
20°	8415.7	8479.2	8533.6	8588.1	8660.8	8715.2	8774.2	8846.9	8896.8	8960.3	9014.9
22.5°	8275.0	8334.0	8392.9	8456.4	8529.1	8574.5	8642.7	8706.2	8760.6	8819.6	8874.2
25°	8093.4	8166.1	8211.5	8270.3	8329.4	8379.3	8451.9	8515.5	8560.9	8615.4	8665.3
27.5°	7880.0	7934.6	7970.8	8020.7	8079.8	8125.2	8179.5	8243.2	8288.6	8338.5	8374.8
30°	7516.8	7566.9	7598.7	7634.9	7693.9	7734.9	7780.3	7839.1	7870.9	7907.3	7939.1
32.5°	7040.2	7081.1	7099.2	7126.5	7167.4	7208.2	7244.6	7294.5	7308.1	7330.7	7330.7
35°	6350.4	6359.4	6354.9	6364.0	6382.2	6404.8	6436.5	6468.3	6486.4	6486.4	6473.0
37.5°	5542.3	5488.0	5428.9	5383.5	5369.9	5360.7	5379.0	5392.5	5410.8	5419.8	5397.2
40°	4702.7	4580.1	4448.4	4330.3	4248.7	4212.4	4198.8	4207.8	4207.8	4239.5	4239.5
42.5°	3980.9	3790.2	3595.1	3418.0	3299.9	3209.3	3168.4	3168.4	3172.9	3195.7	3209.3
45°	3381.7	3141.1	2914.1	2719.0	2555.6	2437.5	2383.1	2369.5	2365.0	2373.9	2405.7
47.5°	2923.2	2673.6	2437.5	2197.0	2024.6	1906.5	1856.6	1838.3	1820.2	1838.3	1843.0
50°	2564.7	2305.9	2056.3	1815.7	1634.1	1529.6	1466.1	1438.8	1434.3	1434.3	1443.5
52.5°	2237.7	1997.3	1747.7	1502.5	1311.8	1212.0	1153.0	1139.3	1121.2	1139.3	1139.3
55°	1929.1	1688.6	1443.5	1212.0	1053.0	948.8	894.2	876.1	866.9	880.6	880.6
57.5°	1593.3	1388.9	1162.1	953.2	794.4	721.8	680.8	658.2	653.6	662.7	653.6
60°	1307.3	1134.8	939.6	749.0	626.5	549.3	517.5	508.4	499.2	508.4	508.4
62.5°	1034.9	889.7	730.7	585.5	481.1	426.7	390.3	390.3	385.8	385.8	390.3
65°	767.2	653.6	540.1	417.6	335.9	295.0	267.7	267.7	263.3	267.7	263.3
67.5°	558.3	481.1	390.3	304.2	240.6	217.9	199.7	186.1	195.2	186.1	181.6
70°	408.6	344.9	281.4	231.5	186.1	163.5	149.8	145.2	136.2	136.2	136.2
72.5°	272.4	231.5	190.6	149.8	122.6	99.8	95.3	86.3	77.2	81.6	90.8
75°	181.6	154.3	136.2	108.9	81.6	81.6	54.6	54.6	45.4	54.6	40.9
77.5°	127.0	104.4	81.6	68.0	54.6	49.9	36.2	36.2	31.8	31.8	31.8
80°	90.8	77.2	59.0	49.9	36.2	36.2	31.8	27.3	22.6	22.6	27.3
82.5°	54.6	40.9	40.9	36.2	22.6	18.1	13.6	18.1	9.2	9.2	9.2
85°	31.8	27.3	22.6	13.6	9.2	9.2	4.5	0.0	4.5	4.5	0.0
87.5°	18.1	9.2	9.2	4.5	0.0	4.5	4.5	0.0	0.0	0.0	9.2
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°	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3
2.5°	9350.8	9346.1	9355.3	9355.3	9382.6	9377.9	9391.5	9391.5	9382.6	9387.1	9405.2
5°	9382.6	9396.2	9423.3	9446.1	9486.8	9505.1	9527.7	9550.5	9555.0	9568.7	9582.3
7.5°	9382.6	9428.0	9459.7	9500.5	9555.0	9586.8	9636.7	9677.6	9695.7	9718.3	9745.6
10°	9364.3	9409.7	9468.7	9514.1	9582.3	9632.2	9682.1	9745.6	9772.9	9809.1	9845.6
12.5°	9328.0	9377.9	9441.4	9500.5	9577.6	9623.0	9686.6	9745.6	9786.5	9836.4	9877.3
15°	9273.6	9332.5	9391.5	9450.6	9532.2	9586.8	9645.8	9713.8	9754.7	9809.1	9845.6
17.5°	9187.3	9250.9	9305.4	9359.8	9436.9	9500.5	9555.0	9618.5	9659.5	9704.9	9754.7
20°	9082.9	9141.9	9201.0	9246.4	9323.5	9377.9	9436.9	9496.0	9527.7	9536.9	9614.1
22.5°	8951.4	8992.1	9037.5	9110.2	9155.6	9205.4	9260.0	9314.4	9346.1	9396.2	9423.3
25°	8733.3	8774.2	8824.1	8855.9	8910.4	8951.4	9005.7	9064.8	9082.9	9119.3	9146.4
27.5°	8429.3	8451.9	8474.7	8501.8	8533.6	8556.4	8588.1	8615.4	8633.5	8651.7	8669.8
30°	7948.0	7948.0	7948.0	7929.9	7943.6	7957.2	7961.7	7957.2	7957.2	7952.7	7952.7
32.5°	7312.6	7276.4	7235.4	7199.2	7185.6	7167.4	7158.3	7144.6	7122.0	7108.4	7112.9
35°	6454.7	6373.0	6323.1	6277.7	6241.5	6214.2	6200.6	6186.9	6182.4	6164.3	6146.0
37.5°	5383.5	5324.5	5288.2	5261.0	5229.2	5201.9	5206.4	5211.1	5224.5	5215.5	5220.0
40°	4248.7	4235.0	4248.7	4216.9	4207.8	4216.9	4239.5	4271.5	4289.6	4307.7	4339.5
42.5°	3231.9	3254.5	3286.5	3286.5	3299.9	3318.2	3345.3	3395.4	3422.5	3454.2	3490.7
45°	2433.0	2460.3	2501.2	2514.6	2523.8	2546.4	2578.3	2619.1	2637.2	2664.5	2696.2
47.5°	1874.7	1892.8	1915.5	1938.2	1960.9	1970.0	2001.8	2001.8	2024.6	2042.7	2051.7
50°	1461.6	1479.7	1497.9	1511.5	1520.7	1534.3	1543.3	1556.9	1561.4	1570.6	1575.0
52.5°	1143.8	1166.6	1166.6	1175.6	1189.2	1202.9	1198.4	1202.9	1207.3	1207.3	1221.0
55°	894.2	894.2	907.8	907.8	917.0	912.3	917.0	917.0	917.0	917.0	921.5
57.5°	667.2	671.9	685.5	676.3	671.9	680.8	671.9	680.8	676.3	685.5	671.9
60°	512.9	512.9	517.5	517.5	522.0	522.0	522.0	517.5	517.5	512.9	512.9
62.5°	385.8	390.3	395.0	390.3	390.3	390.3	385.8	385.8	381.3	376.7	376.7
65°	258.8	254.3	263.3	254.3	258.8	258.8	254.3	258.8	245.1	249.6	245.1
67.5°	186.1	181.6	177.1	181.6	177.1	172.5	172.5	177.1	181.6	168.0	168.0
70°	122.6	127.0	122.6	127.0	131.7	131.7	127.0	122.6	127.0	118.1	122.6
72.5°	77.2	77.2	77.2	77.2	77.2	81.6	81.6	81.6	72.7	72.7	68.0
75°	36.2	49.9	40.9	36.2	49.9	49.9	45.4	45.4	40.9	40.9	40.9
77.5°	36.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	22.6	27.3	22.6
80°	18.1	18.1	18.1	13.6	18.1	18.1	22.6	18.1	18.1	13.6	22.6
82.5°	9.2	9.2	9.2	0.0	4.5	9.2	9.2	4.5	9.2	9.2	4.5
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: P248846

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3
2.5°	9400.7	9396.2	9400.7	9405.2	9400.7	9396.2	9400.7	9405.2	9387.1	9382.6	9391.5
5°	9600.4	9600.4	9609.4	9614.1	9609.4	9600.4	9600.4	9582.3	9568.7	9555.0	9550.5
7.5°	9772.9	9782.0	9791.0	9795.5	9791.0	9782.0	9772.9	9745.6	9718.3	9695.7	9677.6
10°	9877.3	9891.0	9909.1	9918.0	9909.1	9891.0	9877.3	9845.6	9809.1	9772.9	9745.6
12.5°	9922.7	9936.4	9959.0	9954.5	9959.0	9936.4	9922.7	9877.3	9836.4	9786.5	9745.6
15°	9891.0	9909.1	9931.7	9940.8	9931.7	9909.1	9891.0	9845.6	9809.1	9754.7	9713.8
17.5°	9791.0	9818.3	9831.9	9845.6	9831.9	9818.3	9791.0	9754.7	9704.9	9659.5	9618.5
20°	9654.8	9673.1	9691.2	9695.7	9691.2	9673.1	9654.8	9614.1	9536.9	9527.7	9496.0
22.5°	9459.7	9473.4	9514.1	9500.5	9514.1	9473.4	9459.7	9423.3	9396.2	9346.1	9314.4
25°	9178.2	9191.8	9196.5	9201.0	9196.5	9191.8	9178.2	9146.4	9119.3	9082.9	9064.8
27.5°	8692.6	8692.6	8701.6	8706.2	8701.6	8692.6	8692.6	8669.8	8651.7	8633.5	8615.4
30°	7957.2	7957.2	7957.2	7980.0	7957.2	7957.2	7957.2	7952.7	7952.7	7952.7	7957.2
32.5°	7108.4	7099.2	7090.3	7099.2	7090.3	7099.2	7108.4	7112.9	7108.4	7122.0	7144.6
35°	6146.0	6141.5	6155.2	6137.0	6155.2	6141.5	6146.0	6146.0	6164.3	6182.4	6186.9
37.5°	5224.5	5215.5	5233.7	5215.5	5233.7	5215.5	5224.5	5220.0	5215.5	5224.5	5211.1
40°	4348.6	4357.6	4357.6	4394.0	4357.6	4357.6	4348.6	4339.5	4307.7	4289.6	4271.5
42.5°	3508.8	3536.1	3526.9	3554.2	3526.9	3536.1	3508.8	3490.7	3454.2	3422.5	3395.4
45°	2714.4	2732.7	2732.7	2741.6	2732.7	2732.7	2714.4	2696.2	2664.5	2637.2	2619.1
47.5°	2083.4	2083.4	2083.4	2088.1	2083.4	2083.4	2083.4	2051.7	2042.7	2024.6	2001.8
50°	1584.2	1588.7	1593.3	1597.8	1593.3	1588.7	1584.2	1575.0	1570.6	1561.4	1556.9
52.5°	1216.5	1221.0	1212.0	1221.0	1212.0	1221.0	1216.5	1221.0	1207.3	1207.3	1202.9
55°	921.5	917.0	921.5	926.0	921.5	917.0	921.5	921.5	917.0	917.0	917.0
57.5°	676.3	667.2	667.2	667.2	667.2	667.2	676.3	671.9	685.5	676.3	680.8
60°	503.9	508.4	508.4	512.9	508.4	508.4	503.9	512.9	512.9	517.5	517.5
62.5°	372.2	385.8	376.7	385.8	376.7	385.8	372.2	376.7	376.7	381.3	385.8
65°	240.6	240.6	240.6	245.1	240.6	240.6	240.6	245.1	249.6	245.1	258.8
67.5°	163.5	168.0	177.1	172.5	177.1	168.0	163.5	168.0	168.0	181.6	177.1
70°	131.7	118.1	118.1	131.7	118.1	118.1	131.7	122.6	118.1	127.0	122.6
72.5°	77.2	68.0	77.2	77.2	77.2	68.0	77.2	68.0	72.7	72.7	81.6
75°	40.9	36.2	31.8	45.4	31.8	36.2	40.9	40.9	40.9	40.9	45.4
77.5°	27.3	22.6	31.8	31.8	31.8	22.6	27.3	22.6	27.3	22.6	27.3
80°	13.6	18.1	13.6	22.6	13.6	18.1	13.6	22.6	13.6	18.1	18.1
82.5°	4.5	9.2	9.2	9.2	9.2	9.2	4.5	4.5	9.2	9.2	4.5
85°	0.0	9.2	4.5	4.5	4.5	9.2	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	0.0	0.0	4.5	0.0	0.0	4.5	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: P248846

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3
2.5°	9391.5	9377.9	9382.6	9355.3	9355.3	9346.1	9350.8	9328.0	9319.0	9309.9	9323.5
5°	9527.7	9505.1	9486.8	9446.1	9423.3	9396.2	9382.6	9346.1	9314.4	9287.1	9282.6
7.5°	9636.7	9586.8	9555.0	9500.5	9459.7	9428.0	9382.6	9332.5	9291.8	9255.3	9228.2
10°	9682.1	9632.2	9582.3	9514.1	9468.7	9409.7	9364.3	9300.7	9246.4	9196.5	9164.5
12.5°	9686.6	9623.0	9577.6	9500.5	9441.4	9377.9	9328.0	9255.3	9191.8	9141.9	9092.0
15°	9645.8	9586.8	9532.2	9450.6	9391.5	9332.5	9273.6	9196.5	9137.4	9078.4	9042.2
17.5°	9555.0	9500.5	9436.9	9359.8	9305.4	9250.9	9187.3	9123.8	9055.6	8992.1	8946.7
20°	9436.9	9377.9	9323.5	9246.4	9201.0	9141.9	9082.9	9014.9	8960.3	8896.8	8846.9
22.5°	9260.0	9205.4	9155.6	9110.2	9037.5	8992.1	8951.4	8874.2	8819.6	8760.6	8706.2
25°	9005.7	8951.4	8910.4	8855.9	8824.1	8774.2	8733.3	8665.3	8615.4	8560.9	8515.5
27.5°	8588.1	8556.4	8533.6	8501.8	8474.7	8451.9	8429.3	8374.8	8338.5	8288.6	8243.2
30°	7961.7	7957.2	7943.6	7929.9	7948.0	7948.0	7948.0	7939.1	7907.3	7870.9	7839.1
32.5°	7158.3	7167.4	7185.6	7199.2	7235.4	7276.4	7312.6	7330.7	7330.7	7308.1	7294.5
35°	6200.6	6214.2	6241.5	6277.7	6323.1	6373.0	6454.7	6473.0	6486.4	6486.4	6468.3
37.5°	5206.4	5201.9	5229.2	5261.0	5288.2	5324.5	5383.5	5397.2	5419.8	5410.8	5392.5
40°	4239.5	4216.9	4207.8	4216.9	4248.7	4235.0	4248.7	4239.5	4239.5	4207.8	4207.8
42.5°	3345.3	3318.2	3299.9	3286.5	3286.5	3254.5	3231.9	3209.3	3195.7	3172.9	3168.4
45°	2578.3	2546.4	2523.8	2514.6	2501.2	2460.3	2433.0	2405.7	2373.9	2365.0	2369.5
47.5°	2001.8	1970.0	1960.9	1938.2	1915.5	1892.8	1874.7	1843.0	1838.3	1820.2	1838.3
50°	1543.3	1534.3	1520.7	1511.5	1497.9	1479.7	1461.6	1443.5	1434.3	1434.3	1438.8
52.5°	1198.4	1202.9	1189.2	1175.6	1166.6	1166.6	1143.8	1139.3	1139.3	1121.2	1139.3
55°	917.0	912.3	917.0	907.8	907.8	894.2	894.2	880.6	880.6	866.9	876.1
57.5°	671.9	680.8	671.9	676.3	685.5	671.9	667.2	653.6	662.7	653.6	658.2
60°	522.0	522.0	522.0	517.5	517.5	512.9	512.9	508.4	508.4	499.2	508.4
62.5°	385.8	390.3	390.3	390.3	395.0	390.3	385.8	390.3	385.8	385.8	390.3
65°	254.3	258.8	258.8	254.3	263.3	254.3	258.8	263.3	267.7	263.3	267.7
67.5°	172.5	172.5	177.1	181.6	177.1	181.6	186.1	181.6	186.1	195.2	186.1
70°	127.0	131.7	131.7	127.0	122.6	127.0	122.6	136.2	136.2	136.2	145.2
72.5°	81.6	81.6	77.2	77.2	77.2	77.2	77.2	90.8	81.6	77.2	86.3
75°	45.4	49.9	49.9	36.2	40.9	49.9	36.2	40.9	54.6	45.4	54.6
77.5°	27.3	27.3	27.3	27.3	27.3	27.3	36.2	31.8	31.8	31.8	36.2
80°	22.6	18.1	18.1	13.6	18.1	18.1	18.1	27.3	22.6	22.6	27.3
82.5°	9.2	9.2	4.5	0.0	9.2	9.2	9.2	9.2	9.2	9.2	18.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	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: P248846

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3
2.5°	9287.1	9287.1	9282.6	9273.6	9255.3	9255.3	9250.9	9237.2	9228.2	9223.6	9223.6
5°	9241.7	9223.6	9205.4	9155.6	9155.6	9146.4	9119.3	9101.0	9092.0	9069.2	9060.3
7.5°	9201.0	9146.4	9114.6	9082.9	9042.2	9023.8	8992.1	8978.4	8946.7	8924.1	8910.4
10°	9101.0	9064.8	9023.8	8974.0	8942.2	8906.0	8869.5	8842.4	8801.5	8778.7	8760.6
12.5°	9033.0	8978.4	8942.2	8887.6	8833.3	8801.5	8751.6	8719.9	8678.9	8633.5	8606.3
15°	8969.5	8910.4	8860.5	8801.5	8742.5	8706.2	8647.2	8610.9	8551.9	8506.5	8474.7
17.5°	8874.2	8824.1	8769.7	8697.1	8642.7	8597.3	8533.6	8488.4	8433.8	8374.8	8343.0
20°	8774.2	8715.2	8660.8	8588.1	8533.6	8479.2	8415.7	8365.8	8302.1	8247.7	8211.5
22.5°	8642.7	8574.5	8529.1	8456.4	8392.9	8334.0	8275.0	8216.0	8156.9	8111.5	8070.6
25°	8451.9	8379.3	8329.4	8270.3	8211.5	8166.1	8093.4	8057.2	7998.1	7957.2	7916.3
27.5°	8179.5	8125.2	8079.8	8020.7	7970.8	7934.6	7880.0	7843.8	7793.7	7757.5	7725.7
30°	7780.3	7734.9	7693.9	7634.9	7598.7	7566.9	7516.8	7485.1	7448.8	7407.9	7398.9
32.5°	7244.6	7208.2	7167.4	7126.5	7099.2	7081.1	7040.2	7022.1	6985.8	6963.0	6940.4
35°	6436.5	6404.8	6382.2	6364.0	6354.9	6359.4	6350.4	6368.5	6377.5	6373.0	6377.5
37.5°	5379.0	5360.7	5369.9	5383.5	5428.9	5488.0	5542.3	5624.0	5678.5	5733.1	5783.0
40°	4198.8	4212.4	4248.7	4330.3	4448.4	4580.1	4702.7	4857.0	5011.3	5120.3	5220.0
42.5°	3168.4	3209.3	3299.9	3418.0	3595.1	3790.2	3980.9	4207.8	4394.0	4575.4	4702.7
45°	2383.1	2437.5	2555.6	2719.0	2914.1	3141.1	3381.7	3635.8	3858.4	4044.5	4185.1
47.5°	1856.6	1906.5	2024.6	2197.0	2437.5	2673.6	2923.2	3186.5	3418.0	3599.6	3722.2
50°	1466.1	1529.6	1634.1	1815.7	2056.3	2305.9	2564.7	2823.3	3041.3	3195.7	3304.6
52.5°	1153.0	1212.0	1311.8	1502.5	1747.7	1997.3	2237.7	2492.0	2682.6	2832.4	2905.1
55°	894.2	948.8	1053.0	1212.0	1443.5	1688.6	1929.1	2147.1	2324.1	2433.0	2501.2
57.5°	680.8	721.8	794.4	953.2	1162.1	1388.9	1593.3	1811.2	1947.4	2024.6	2069.8
60°	517.5	549.3	626.5	749.0	939.6	1134.8	1307.3	1470.8	1579.7	1643.2	1688.6
62.5°	390.3	426.7	481.1	585.5	730.7	889.7	1034.9	1157.5	1248.3	1289.2	1320.9
65°	267.7	295.0	335.9	417.6	540.1	653.6	767.2	858.0	917.0	962.4	980.5
67.5°	199.7	217.9	240.6	304.2	390.3	481.1	558.3	621.8	685.5	703.6	735.4
70°	149.8	163.5	186.1	231.5	281.4	344.9	408.6	444.9	490.3	522.0	531.2
72.5°	95.3	99.8	122.6	149.8	190.6	231.5	272.4	304.2	331.4	349.6	358.5
75°	54.6	81.6	81.6	108.9	136.2	154.3	181.6	204.2	217.9	231.5	231.5
77.5°	36.2	49.9	54.6	68.0	81.6	104.4	127.0	140.7	154.3	158.8	158.8
80°	31.8	36.2	36.2	49.9	59.0	77.2	90.8	95.3	104.4	108.9	118.1
82.5°	13.6	18.1	22.6	36.2	40.9	40.9	54.6	59.0	68.0	72.7	72.7
85°	4.5	9.2	9.2	13.6	22.6	27.3	31.8	36.2	40.9	40.9	45.4
87.5°	4.5	4.5	0.0	4.5	9.2	9.2	18.1	18.1	18.1	27.3	27.3
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: P248846

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3	9296.3
2.5°	9214.6	9219.1	9201.0	9196.5	9187.3	9191.8	9201.0
5°	9046.6	9051.1	9033.0	9014.9	9014.9	9010.2	9014.9
7.5°	8887.6	8892.3	8865.0	8855.9	8837.8	8842.4	8842.4
10°	8728.8	8728.8	8688.1	8683.4	8669.8	8665.3	8665.3
12.5°	8574.5	8560.9	8529.1	8511.0	8520.1	8492.9	8492.9
15°	8438.3	8415.7	8374.8	8361.1	8338.5	8329.4	8329.4
17.5°	8297.6	8279.5	8243.2	8216.0	8188.7	8184.2	8188.7
20°	8161.4	8143.3	8097.9	8079.8	8057.2	8057.2	8048.0
22.5°	8025.2	8007.1	7966.3	7952.7	7920.9	7920.9	7925.4
25°	7884.5	7870.9	7825.5	7816.5	7812.0	7793.7	7802.9
27.5°	7693.9	7684.8	7648.5	7634.9	7616.8	7612.3	7621.3
30°	7344.4	7330.7	7303.6	7290.0	7258.2	7262.7	7271.7
32.5°	6908.7	6890.5	6854.1	6840.5	6813.4	6804.2	6808.7
35°	6364.0	6350.4	6318.6	6318.6	6291.4	6282.2	6291.4
37.5°	5810.3	5823.7	5810.3	5823.7	5810.3	5805.6	5810.3
40°	5288.2	5338.1	5347.1	5397.2	5379.0	5406.1	5401.6
42.5°	4788.8	4870.5	4902.4	4943.1	4934.2	4952.3	4965.9
45°	4284.9	4353.1	4384.9	4412.2	4416.6	4425.8	4430.3
47.5°	3808.3	3862.9	3867.3	3899.1	3894.6	3894.6	3908.3
50°	3363.6	3399.9	3408.8	3431.6	3413.5	3404.4	3408.8
52.5°	2950.5	2986.8	2977.6	2986.8	2964.2	2955.0	2959.5
55°	2528.3	2546.4	2546.4	2546.4	2519.3	2519.3	2519.3
57.5°	2097.1	2101.7	2092.6	2097.1	2092.6	2065.3	2060.8
60°	1702.3	1702.3	1697.6	1702.3	1688.6	1675.0	1675.0
62.5°	1329.9	1339.1	1357.2	1339.1	1329.9	1339.1	1325.4
65°	994.2	1012.3	1007.6	1016.8	1012.3	1012.3	1003.1
67.5°	749.0	753.5	758.0	762.7	762.7	762.7	762.7
70°	549.3	562.9	558.3	558.3	558.3	558.3	585.5
72.5°	367.7	385.8	381.3	390.3	390.3	399.5	390.3
75°	249.6	267.7	258.8	272.4	267.7	258.8	281.4
77.5°	168.0	177.1	181.6	186.1	181.6	177.1	181.6
80°	118.1	127.0	122.6	127.0	127.0	127.0	131.7
82.5°	72.7	86.3	81.6	86.3	81.6	86.3	86.3
85°	49.9	54.6	45.4	54.6	49.9	49.9	59.0
87.5°	31.8	27.3	27.3	31.8	27.3	31.8	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)