

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: P248972

Luminaire Tested: **LD8B175D010 ER8B175930 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248972
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 ER8B175930 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11577.7 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

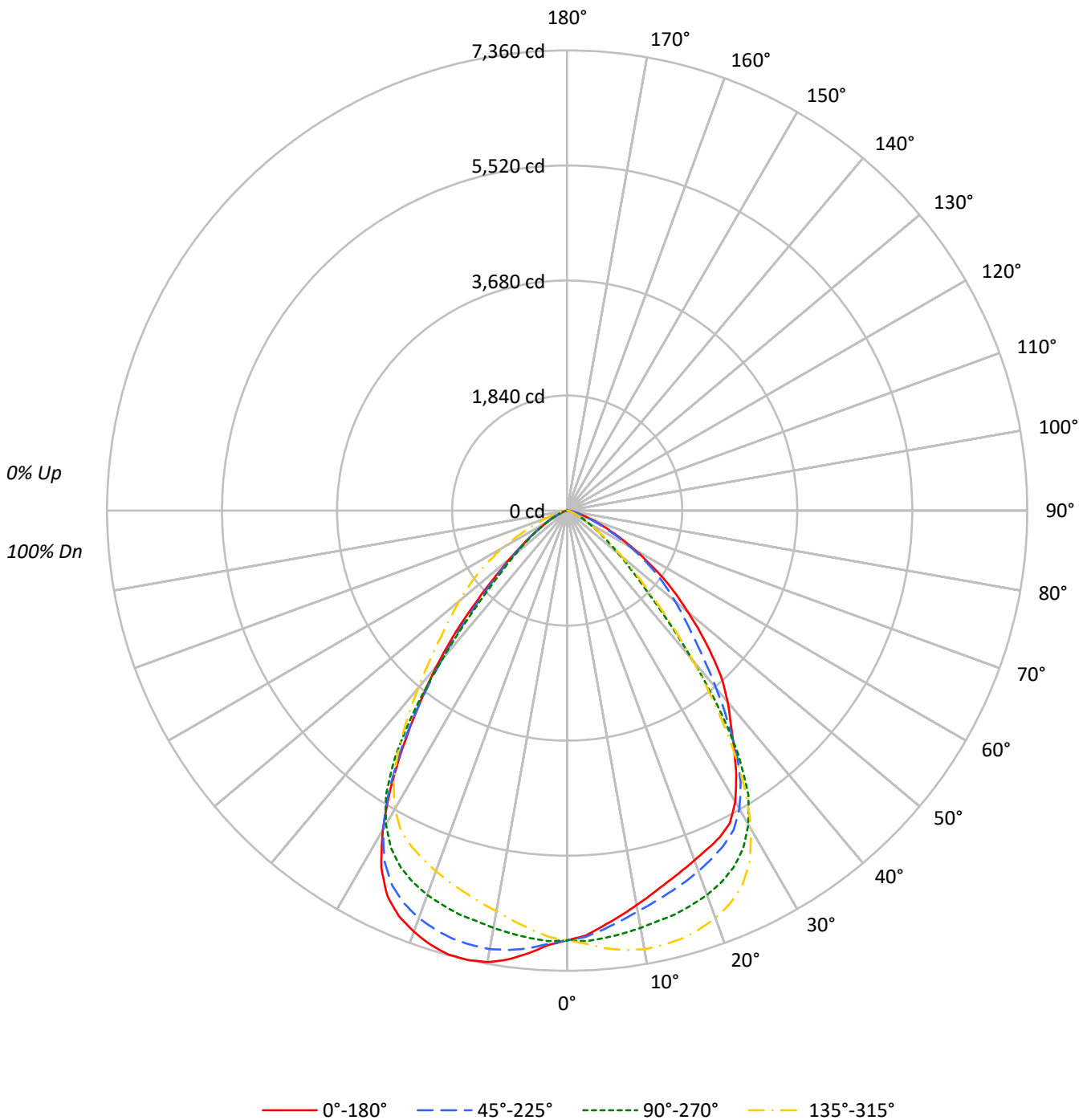
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.2	5.7
10°-20°	1894.5	16.4
20°-30°	2868.6	24.8
30°-40°	2875.1	24.8
40°-50°	1805.4	15.6
50°-60°	962.1	8.3
60°-70°	395.6	3.4
70°-80°	104.5	0.9
80°-90°	17.7	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5417.3	46.8
0°-40°	8292.4	71.6
0°-60°	11059.9	95.5
0°-90°	11577.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11577.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6873	6873	6873	6873	6873	
5°	6665	6863	7108	6863	6665	629
15°	6158	6685	7350	6685	6158	1742
25°	5769	6296	6803	6296	5769	2646
35°	4652	4782	4538	4782	4652	2914
45°	3276	1752	2027	1752	3276	2519
55°	1863	648	685	648	1863	1661
65°	742	198	181	198	742	769
75°	208	40	34	40	208	236
85°	44	0	3	0	44	48
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°	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3
2.5°	6802.9	6796.1	6792.8	6799.5	6802.9	6816.2	6813.0	6819.6	6819.6	6823.1	6829.7
5°	6665.2	6661.8	6665.2	6665.2	6678.7	6692.0	6688.8	6698.9	6705.5	6722.3	6728.9
7.5°	6537.8	6537.8	6534.3	6547.8	6554.5	6574.7	6571.2	6588.0	6598.1	6614.8	6638.3
10°	6406.9	6406.9	6410.1	6420.2	6423.7	6453.8	6453.8	6477.3	6490.7	6507.5	6537.8
12.5°	6279.3	6279.3	6299.5	6292.7	6306.1	6329.6	6339.7	6363.1	6383.3	6416.9	6447.1
15°	6158.4	6158.4	6165.2	6181.9	6192.0	6222.2	6238.9	6265.9	6289.4	6323.0	6366.6
17.5°	6054.4	6051.0	6054.4	6074.6	6094.8	6121.6	6134.9	6168.5	6192.0	6235.7	6276.0
20°	5950.4	5957.1	5957.1	5973.9	5987.3	6020.9	6034.2	6071.2	6098.0	6138.3	6185.3
22.5°	5859.8	5856.4	5856.4	5880.0	5890.1	5920.1	5933.6	5967.1	5997.4	6031.0	6074.6
25°	5769.1	5762.4	5776.0	5779.2	5785.8	5819.4	5829.5	5853.0	5883.2	5913.5	5957.1
27.5°	5634.9	5628.2	5631.6	5644.9	5655.0	5681.9	5688.6	5712.1	5735.6	5762.4	5799.4
30°	5376.4	5369.8	5366.5	5390.0	5400.1	5420.0	5430.1	5470.5	5477.1	5507.4	5534.2
32.5°	5034.1	5030.8	5037.5	5057.6	5067.7	5094.6	5108.1	5131.5	5148.2	5165.1	5191.9
35°	4651.6	4644.9	4651.6	4671.8	4671.8	4695.2	4705.3	4715.3	4712.0	4715.3	4708.6
37.5°	4295.9	4292.4	4295.9	4305.9	4295.9	4305.9	4295.9	4275.7	4238.8	4198.5	4158.1
40°	3993.8	3997.0	3977.1	3990.4	3953.4	3946.8	3909.9	3859.5	3785.7	3705.2	3591.1
42.5°	3671.6	3661.5	3648.2	3654.8	3624.6	3601.0	3540.7	3477.0	3383.0	3248.8	3111.1
45°	3275.6	3272.3	3265.5	3262.2	3242.0	3218.5	3168.1	3094.3	2990.3	2852.7	2688.2
47.5°	2889.6	2879.5	2879.5	2882.9	2859.3	2856.1	2815.7	2752.1	2661.4	2527.2	2356.0
50°	2520.3	2517.1	2523.8	2537.3	2520.3	2513.7	2486.9	2443.3	2362.7	2248.6	2087.4
52.5°	2188.2	2184.8	2191.6	2208.3	2201.5	2208.3	2181.5	2147.9	2094.3	1983.4	1842.5
55°	1862.7	1862.7	1862.7	1882.7	1882.7	1882.7	1869.3	1849.3	1798.9	1718.4	1587.6
57.5°	1523.7	1527.0	1547.2	1550.5	1547.2	1553.9	1550.5	1530.3	1496.9	1439.8	1339.1
60°	1238.5	1238.5	1248.5	1258.5	1255.2	1258.5	1258.5	1248.5	1214.9	1168.0	1087.5
62.5°	980.0	990.1	983.2	990.1	1003.4	990.1	983.2	976.6	953.2	922.9	855.8
65°	741.7	748.5	748.5	751.7	745.0	748.5	735.0	725.0	711.6	678.0	634.4
67.5°	563.9	563.9	563.9	563.9	560.4	557.1	553.8	543.7	520.3	506.8	459.7
70°	432.9	412.8	412.8	412.8	412.8	416.2	406.1	392.7	386.0	362.5	328.9
72.5°	288.5	295.4	288.5	288.5	281.9	285.3	271.8	265.1	258.5	245.1	224.9
75°	208.1	191.4	198.0	201.4	191.4	198.0	184.5	171.2	171.2	161.1	151.0
77.5°	134.3	130.9	134.3	137.5	134.3	130.9	124.2	117.4	117.4	114.1	104.0
80°	97.4	93.9	93.9	93.9	90.6	93.9	87.3	87.3	80.5	77.2	70.4
82.5°	63.8	63.8	60.4	63.8	60.4	63.8	53.7	53.7	53.7	50.3	43.6
85°	43.6	36.9	36.9	40.4	33.5	40.4	36.9	33.5	30.3	30.3	26.8
87.5°	20.2	23.4	20.2	23.4	20.2	20.2	23.4	20.2	20.2	13.5	13.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3
2.5°	6839.8	6843.0	6843.0	6856.6	6863.2	6866.6	6866.6	6893.5	6883.4	6890.1	6896.8
5°	6742.5	6762.5	6769.3	6769.3	6806.2	6819.6	6832.9	6863.2	6866.6	6886.8	6910.2
7.5°	6648.4	6671.9	6685.4	6715.6	6739.0	6762.5	6802.9	6823.1	6843.0	6869.9	6900.1
10°	6557.8	6584.8	6611.5	6635.0	6671.9	6702.1	6728.9	6775.9	6799.5	6836.4	6876.7
12.5°	6470.6	6507.5	6530.9	6571.2	6611.5	6638.3	6678.7	6722.3	6759.2	6796.1	6843.0
15°	6393.4	6437.0	6463.9	6507.5	6551.1	6588.0	6631.7	6685.4	6712.2	6755.9	6799.5
17.5°	6309.4	6356.5	6390.0	6430.3	6484.0	6524.2	6561.2	6614.8	6648.4	6695.4	6745.8
20°	6222.2	6269.2	6309.4	6349.8	6403.5	6443.7	6487.3	6541.0	6577.9	6624.9	6665.2
22.5°	6118.2	6161.9	6205.4	6252.4	6306.1	6339.7	6390.0	6437.0	6477.3	6520.9	6561.2
25°	5984.0	6037.7	6071.2	6114.8	6158.4	6195.3	6249.0	6296.0	6329.6	6370.0	6406.9
27.5°	5826.2	5866.5	5893.3	5930.2	5973.9	6007.4	6047.7	6094.8	6128.3	6165.2	6192.0
30°	5557.7	5594.7	5618.1	5644.9	5688.6	5718.9	5752.4	5795.9	5819.4	5846.4	5869.9
32.5°	5205.3	5235.5	5249.0	5269.0	5299.3	5329.5	5356.4	5393.2	5403.3	5420.0	5420.0
35°	4695.2	4701.9	4698.6	4705.3	4718.7	4735.4	4759.0	4782.4	4795.9	4795.9	4785.9
37.5°	4097.8	4057.6	4014.0	3980.3	3970.2	3963.5	3977.1	3986.9	4000.5	4007.1	3990.4
40°	3477.0	3386.3	3289.0	3201.7	3141.3	3114.5	3104.4	3111.1	3111.1	3134.5	3134.5
42.5°	2943.4	2802.3	2658.1	2527.2	2439.9	2372.8	2342.6	2342.6	2345.9	2362.7	2372.8
45°	2500.4	2322.4	2154.6	2010.4	1889.4	1802.2	1762.0	1751.9	1748.5	1755.3	1778.7
47.5°	2161.3	1976.8	1802.2	1624.4	1496.9	1409.5	1372.7	1359.2	1345.8	1359.2	1362.6
50°	1896.3	1704.9	1520.4	1342.4	1208.2	1131.0	1084.0	1063.8	1060.5	1060.5	1067.3
52.5°	1654.5	1476.7	1292.2	1110.9	969.9	896.1	852.4	842.4	829.0	842.4	842.4
55°	1426.2	1248.5	1067.3	896.1	778.5	701.5	661.2	647.7	641.0	651.1	651.1
57.5°	1178.1	1026.9	859.2	704.8	587.4	533.6	503.3	486.6	483.3	490.0	483.3
60°	966.5	839.1	694.7	553.8	463.2	406.1	382.6	375.9	369.1	375.9	375.9
62.5°	765.2	657.8	540.3	432.9	355.7	315.6	288.5	288.5	285.3	285.3	288.5
65°	567.2	483.3	399.4	308.7	248.4	218.1	198.0	198.0	194.6	198.0	194.6
67.5°	412.8	355.7	288.5	224.9	177.9	161.1	147.6	137.5	144.4	137.5	134.3
70°	302.1	255.0	208.1	171.2	137.5	120.8	110.8	107.3	100.7	100.7	100.7
72.5°	201.4	171.2	140.9	110.8	90.6	73.8	70.4	63.8	57.1	60.4	67.1
75°	134.3	114.1	100.7	80.5	60.4	60.4	40.4	40.4	33.5	40.4	30.3
77.5°	93.9	77.2	60.4	50.3	40.4	36.9	26.8	26.8	23.4	23.4	23.4
80°	67.1	57.1	43.6	36.9	26.8	26.8	23.4	20.2	16.7	16.7	20.2
82.5°	40.4	30.3	30.3	26.8	16.7	13.5	10.1	13.5	6.7	6.7	6.7
85°	23.4	20.2	16.7	10.1	6.7	6.7	3.4	0.0	3.4	3.4	0.0
87.5°	13.5	6.7	6.7	3.4	0.0	3.4	3.4	0.0	0.0	0.0	6.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3
2.5°	6913.7	6910.2	6916.9	6916.9	6937.1	6933.7	6943.8	6943.8	6937.1	6940.4	6953.8
5°	6937.1	6947.2	6967.2	6984.1	7014.2	7027.8	7044.5	7061.3	7064.7	7074.7	7084.8
7.5°	6937.1	6970.7	6994.1	7024.3	7064.7	7088.1	7125.0	7155.2	7168.7	7185.4	7205.6
10°	6923.6	6957.2	7000.8	7034.4	7084.8	7121.7	7158.6	7205.6	7225.7	7252.5	7279.4
12.5°	6896.8	6933.7	6980.7	7024.3	7081.4	7114.9	7161.8	7205.6	7235.8	7272.7	7303.0
15°	6856.6	6900.1	6943.8	6987.4	7047.7	7088.1	7131.8	7182.0	7212.3	7252.5	7279.4
17.5°	6792.8	6839.8	6880.0	6920.3	6977.3	7024.3	7064.7	7111.6	7141.9	7175.4	7212.3
20°	6715.6	6759.2	6802.9	6836.4	6893.5	6933.7	6977.3	7020.9	7044.5	7051.2	7108.3
22.5°	6618.3	6648.4	6681.9	6735.8	6769.3	6806.2	6846.5	6886.8	6910.2	6947.2	6967.2
25°	6457.1	6487.3	6524.2	6547.8	6588.0	6618.3	6658.5	6702.1	6715.6	6742.5	6762.5
27.5°	6232.3	6249.0	6265.9	6285.9	6309.4	6326.3	6349.8	6370.0	6383.3	6396.8	6410.1
30°	5876.5	5876.5	5876.5	5863.1	5873.1	5883.2	5886.6	5883.2	5883.2	5880.0	5880.0
32.5°	5406.7	5379.9	5349.6	5322.8	5312.8	5299.3	5292.6	5282.5	5265.8	5255.7	5258.9
35°	4772.3	4712.0	4675.1	4641.5	4614.7	4594.5	4584.4	4574.4	4571.1	4557.6	4544.1
37.5°	3980.3	3936.7	3909.9	3889.8	3866.2	3846.2	3849.4	3852.9	3862.9	3856.2	3859.5
40°	3141.3	3131.2	3141.3	3117.8	3111.1	3117.8	3134.5	3158.2	3171.5	3185.0	3208.4
42.5°	2389.5	2406.2	2429.9	2429.9	2439.9	2453.4	2473.4	2510.4	2530.4	2554.0	2580.9
45°	1798.9	1819.0	1849.3	1859.2	1866.0	1882.7	1906.4	1936.4	1949.9	1970.0	1993.5
47.5°	1386.1	1399.5	1416.2	1433.1	1449.8	1456.5	1480.1	1480.1	1496.9	1510.3	1516.9
50°	1080.6	1094.1	1107.4	1117.5	1124.4	1134.5	1141.1	1151.2	1154.4	1161.2	1164.5
52.5°	845.7	862.5	862.5	869.2	879.3	889.4	886.0	889.4	892.7	892.7	902.7
55°	661.2	661.2	671.3	671.3	678.0	674.5	678.0	678.0	678.0	678.0	681.3
57.5°	493.4	496.7	506.8	500.1	496.7	503.3	496.7	503.3	500.1	506.8	496.7
60°	379.2	379.2	382.6	382.6	386.0	386.0	386.0	382.6	382.6	379.2	379.2
62.5°	285.3	288.5	292.0	288.5	288.5	288.5	285.3	285.3	281.9	278.5	278.5
65°	191.4	188.0	194.6	188.0	191.4	191.4	188.0	191.4	181.3	184.5	181.3
67.5°	137.5	134.3	130.9	134.3	130.9	127.5	127.5	130.9	134.3	124.2	124.2
70°	90.6	93.9	90.6	93.9	97.4	97.4	93.9	90.6	93.9	87.3	90.6
72.5°	57.1	57.1	57.1	57.1	57.1	60.4	60.4	60.4	53.7	53.7	50.3
75°	26.8	36.9	30.3	26.8	36.9	36.9	33.5	33.5	30.3	30.3	30.3
77.5°	26.8	20.2	20.2	20.2	20.2	20.2	20.2	20.2	16.7	20.2	16.7
80°	13.5	13.5	13.5	10.1	13.5	13.5	16.7	13.5	13.5	10.1	16.7
82.5°	6.7	6.7	6.7	0.0	3.4	6.7	6.7	3.4	6.7	6.7	3.4
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: P248972

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3
2.5°	6950.5	6947.2	6950.5	6953.8	6950.5	6947.2	6950.5	6953.8	6940.4	6937.1	6943.8
5°	7098.2	7098.2	7104.8	7108.3	7104.8	7098.2	7098.2	7084.8	7074.7	7064.7	7061.3
7.5°	7225.7	7232.5	7239.1	7242.4	7239.1	7232.5	7225.7	7205.6	7185.4	7168.7	7155.2
10°	7303.0	7313.0	7326.4	7333.0	7326.4	7313.0	7303.0	7279.4	7252.5	7225.7	7205.6
12.5°	7336.5	7346.6	7363.3	7359.9	7363.3	7346.6	7336.5	7303.0	7272.7	7235.8	7205.6
15°	7313.0	7326.4	7343.1	7349.8	7343.1	7326.4	7313.0	7279.4	7252.5	7212.3	7182.0
17.5°	7239.1	7259.3	7269.3	7279.4	7269.3	7259.3	7239.1	7212.3	7175.4	7141.9	7111.6
20°	7138.4	7152.0	7165.3	7168.7	7165.3	7152.0	7138.4	7108.3	7051.2	7044.5	7020.9
22.5°	6994.1	7004.2	7034.4	7024.3	7034.4	7004.2	6994.1	6967.2	6947.2	6910.2	6886.8
25°	6786.0	6796.1	6799.5	6802.9	6799.5	6796.1	6786.0	6762.5	6742.5	6715.6	6702.1
27.5°	6427.0	6427.0	6433.6	6437.0	6433.6	6427.0	6427.0	6410.1	6396.8	6383.3	6370.0
30°	5883.2	5883.2	5883.2	5900.2	5883.2	5883.2	5883.2	5880.0	5880.0	5883.2	5883.2
32.5°	5255.7	5249.0	5242.2	5249.0	5242.2	5249.0	5255.7	5258.9	5255.7	5265.8	5282.5
35°	4544.1	4540.8	4550.9	4537.5	4550.9	4540.8	4544.1	4544.1	4557.6	4571.1	4574.4
37.5°	3862.9	3856.2	3869.6	3856.2	3869.6	3856.2	3862.9	3859.5	3856.2	3862.9	3852.9
40°	3215.3	3221.9	3221.9	3248.8	3221.9	3221.9	3215.3	3208.4	3185.0	3171.5	3158.2
42.5°	2594.2	2614.4	2607.7	2627.8	2607.7	2614.4	2594.2	2580.9	2554.0	2530.4	2510.4
45°	2006.9	2020.5	2020.5	2027.1	2020.5	2020.5	2006.9	1993.5	1970.0	1949.9	1936.4
47.5°	1540.4	1540.4	1540.4	1543.8	1540.4	1540.4	1540.4	1516.9	1510.3	1496.9	1480.1
50°	1171.3	1174.6	1178.1	1181.4	1178.1	1174.6	1171.3	1164.5	1161.2	1154.4	1151.2
52.5°	899.4	902.7	896.1	902.7	896.1	902.7	899.4	902.7	892.7	892.7	889.4
55°	681.3	678.0	681.3	684.6	681.3	678.0	681.3	681.3	678.0	678.0	678.0
57.5°	500.1	493.4	493.4	493.4	493.4	493.4	500.1	496.7	506.8	500.1	503.3
60°	372.5	375.9	375.9	379.2	375.9	375.9	372.5	379.2	379.2	382.6	382.6
62.5°	275.2	285.3	278.5	285.3	278.5	285.3	275.2	278.5	278.5	281.9	285.3
65°	177.9	177.9	177.9	181.3	177.9	177.9	177.9	181.3	184.5	181.3	191.4
67.5°	120.8	124.2	130.9	127.5	130.9	124.2	120.8	124.2	124.2	134.3	130.9
70°	97.4	87.3	87.3	97.4	87.3	87.3	97.4	90.6	87.3	93.9	90.6
72.5°	57.1	50.3	57.1	57.1	57.1	50.3	57.1	50.3	53.7	53.7	60.4
75°	30.3	26.8	23.4	33.5	23.4	26.8	30.3	30.3	30.3	30.3	33.5
77.5°	20.2	16.7	23.4	23.4	23.4	16.7	20.2	16.7	20.2	16.7	20.2
80°	10.1	13.5	10.1	16.7	10.1	13.5	10.1	16.7	10.1	13.5	13.5
82.5°	3.4	6.7	6.7	6.7	6.7	6.7	3.4	3.4	6.7	6.7	3.4
85°	0.0	6.7	3.4	3.4	3.4	6.7	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	0.0	0.0	3.4	0.0	0.0	3.4	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: P248972

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3
2.5°	6943.8	6933.7	6937.1	6916.9	6916.9	6910.2	6913.7	6896.8	6890.1	6883.4	6893.5
5°	7044.5	7027.8	7014.2	6984.1	6967.2	6947.2	6937.1	6910.2	6886.8	6866.6	6863.2
7.5°	7125.0	7088.1	7064.7	7024.3	6994.1	6970.7	6937.1	6900.1	6869.9	6843.0	6823.1
10°	7158.6	7121.7	7084.8	7034.4	7000.8	6957.2	6923.6	6876.7	6836.4	6799.5	6775.9
12.5°	7161.8	7114.9	7081.4	7024.3	6980.7	6933.7	6896.8	6843.0	6796.1	6759.2	6722.3
15°	7131.8	7088.1	7047.7	6987.4	6943.8	6900.1	6856.6	6799.5	6755.9	6712.2	6685.4
17.5°	7064.7	7024.3	6977.3	6920.3	6880.0	6839.8	6792.8	6745.8	6695.4	6648.4	6614.8
20°	6977.3	6933.7	6893.5	6836.4	6802.9	6759.2	6715.6	6665.2	6624.9	6577.9	6541.0
22.5°	6846.5	6806.2	6769.3	6735.8	6681.9	6648.4	6618.3	6561.2	6520.9	6477.3	6437.0
25°	6658.5	6618.3	6588.0	6547.8	6524.2	6487.3	6457.1	6406.9	6370.0	6329.6	6296.0
27.5°	6349.8	6326.3	6309.4	6285.9	6265.9	6249.0	6232.3	6192.0	6165.2	6128.3	6094.8
30°	5886.6	5883.2	5873.1	5863.1	5876.5	5876.5	5876.5	5869.9	5846.4	5819.4	5795.9
32.5°	5292.6	5299.3	5312.8	5322.8	5349.6	5379.9	5406.7	5420.0	5420.0	5403.3	5393.2
35°	4584.4	4594.5	4614.7	4641.5	4675.1	4712.0	4772.3	4785.9	4795.9	4795.9	4782.4
37.5°	3849.4	3846.2	3866.2	3889.8	3909.9	3936.7	3980.3	3990.4	4007.1	4000.5	3986.9
40°	3134.5	3117.8	3111.1	3117.8	3141.3	3131.2	3141.3	3134.5	3134.5	3111.1	3111.1
42.5°	2473.4	2453.4	2439.9	2429.9	2429.9	2406.2	2389.5	2372.8	2362.7	2345.9	2342.6
45°	1906.4	1882.7	1866.0	1859.2	1849.3	1819.0	1798.9	1778.7	1755.3	1748.5	1751.9
47.5°	1480.1	1456.5	1449.8	1433.1	1416.2	1399.5	1386.1	1362.6	1359.2	1345.8	1359.2
50°	1141.1	1134.5	1124.4	1117.5	1107.4	1094.1	1080.6	1067.3	1060.5	1060.5	1063.8
52.5°	886.0	889.4	879.3	869.2	862.5	862.5	845.7	842.4	842.4	829.0	842.4
55°	678.0	674.5	678.0	671.3	671.3	661.2	661.2	651.1	651.1	641.0	647.7
57.5°	496.7	503.3	496.7	500.1	506.8	496.7	493.4	483.3	490.0	483.3	486.6
60°	386.0	386.0	386.0	382.6	382.6	379.2	379.2	375.9	375.9	369.1	375.9
62.5°	285.3	288.5	288.5	288.5	292.0	288.5	285.3	288.5	285.3	285.3	288.5
65°	188.0	191.4	191.4	188.0	194.6	188.0	191.4	194.6	198.0	194.6	198.0
67.5°	127.5	127.5	130.9	134.3	130.9	134.3	137.5	134.3	137.5	144.4	137.5
70°	93.9	97.4	97.4	93.9	90.6	93.9	90.6	100.7	100.7	100.7	107.3
72.5°	60.4	60.4	57.1	57.1	57.1	57.1	57.1	67.1	60.4	57.1	63.8
75°	33.5	36.9	36.9	26.8	30.3	36.9	26.8	30.3	40.4	33.5	40.4
77.5°	20.2	20.2	20.2	20.2	20.2	20.2	26.8	23.4	23.4	23.4	26.8
80°	16.7	13.5	13.5	10.1	13.5	13.5	13.5	20.2	16.7	16.7	20.2
82.5°	6.7	6.7	3.4	0.0	6.7	6.7	6.7	6.7	6.7	6.7	13.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	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: P248972

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3
2.5°	6866.6	6866.6	6863.2	6856.6	6843.0	6843.0	6839.8	6829.7	6823.1	6819.6	6819.6
5°	6832.9	6819.6	6806.2	6769.3	6769.3	6762.5	6742.5	6728.9	6722.3	6705.5	6698.9
7.5°	6802.9	6762.5	6739.0	6715.6	6685.4	6671.9	6648.4	6638.3	6614.8	6598.1	6588.0
10°	6728.9	6702.1	6671.9	6635.0	6611.5	6584.8	6557.8	6537.8	6507.5	6490.7	6477.3
12.5°	6678.7	6638.3	6611.5	6571.2	6530.9	6507.5	6470.6	6447.1	6416.9	6383.3	6363.1
15°	6631.7	6588.0	6551.1	6507.5	6463.9	6437.0	6393.4	6366.6	6323.0	6289.4	6265.9
17.5°	6561.2	6524.2	6484.0	6430.3	6390.0	6356.5	6309.4	6276.0	6235.7	6192.0	6168.5
20°	6487.3	6443.7	6403.5	6349.8	6309.4	6269.2	6222.2	6185.3	6138.3	6098.0	6071.2
22.5°	6390.0	6339.7	6306.1	6252.4	6205.4	6161.9	6118.2	6074.6	6031.0	5997.4	5967.1
25°	6249.0	6195.3	6158.4	6114.8	6071.2	6037.7	5984.0	5957.1	5913.5	5883.2	5853.0
27.5°	6047.7	6007.4	5973.9	5930.2	5893.3	5866.5	5826.2	5799.4	5762.4	5735.6	5712.1
30°	5752.4	5718.9	5688.6	5644.9	5618.1	5594.7	5557.7	5534.2	5507.4	5477.1	5470.5
32.5°	5356.4	5329.5	5299.3	5269.0	5249.0	5235.5	5205.3	5191.9	5165.1	5148.2	5131.5
35°	4759.0	4735.4	4718.7	4705.3	4698.6	4701.9	4695.2	4708.6	4715.3	4712.0	4715.3
37.5°	3977.1	3963.5	3970.2	3980.3	4014.0	4057.6	4097.8	4158.1	4198.5	4238.8	4275.7
40°	3104.4	3114.5	3141.3	3201.7	3289.0	3386.3	3477.0	3591.1	3705.2	3785.7	3859.5
42.5°	2342.6	2372.8	2439.9	2527.2	2658.1	2802.3	2943.4	3111.1	3248.8	3383.0	3477.0
45°	1762.0	1802.2	1889.4	2010.4	2154.6	2322.4	2500.4	2688.2	2852.7	2990.3	3094.3
47.5°	1372.7	1409.5	1496.9	1624.4	1802.2	1976.8	2161.3	2356.0	2527.2	2661.4	2752.1
50°	1084.0	1131.0	1208.2	1342.4	1520.4	1704.9	1896.3	2087.4	2248.6	2362.7	2443.3
52.5°	852.4	896.1	969.9	1110.9	1292.2	1476.7	1654.5	1842.5	1983.4	2094.3	2147.9
55°	661.2	701.5	778.5	896.1	1067.3	1248.5	1426.2	1587.6	1718.4	1798.9	1849.3
57.5°	503.3	533.6	587.4	704.8	859.2	1026.9	1178.1	1339.1	1439.8	1496.9	1530.3
60°	382.6	406.1	463.2	553.8	694.7	839.1	966.5	1087.5	1168.0	1214.9	1248.5
62.5°	288.5	315.6	355.7	432.9	540.3	657.8	765.2	855.8	922.9	953.2	976.6
65°	198.0	218.1	248.4	308.7	399.4	483.3	567.2	634.4	678.0	711.6	725.0
67.5°	147.6	161.1	177.9	224.9	288.5	355.7	412.8	459.7	506.8	520.3	543.7
70°	110.8	120.8	137.5	171.2	208.1	255.0	302.1	328.9	362.5	386.0	392.7
72.5°	70.4	73.8	90.6	110.8	140.9	171.2	201.4	224.9	245.1	258.5	265.1
75°	40.4	60.4	60.4	80.5	100.7	114.1	134.3	151.0	161.1	171.2	171.2
77.5°	26.8	36.9	40.4	50.3	60.4	77.2	93.9	104.0	114.1	117.4	117.4
80°	23.4	26.8	26.8	36.9	43.6	57.1	67.1	70.4	77.2	80.5	87.3
82.5°	10.1	13.5	16.7	26.8	30.3	30.3	40.4	43.6	50.3	53.7	53.7
85°	3.4	6.7	6.7	10.1	16.7	20.2	23.4	26.8	30.3	30.3	33.5
87.5°	3.4	3.4	0.0	3.4	6.7	6.7	13.5	13.5	13.5	20.2	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248972

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3	6873.3
2.5°	6813.0	6816.2	6802.9	6799.5	6792.8	6796.1	6802.9
5°	6688.8	6692.0	6678.7	6665.2	6665.2	6661.8	6665.2
7.5°	6571.2	6574.7	6554.5	6547.8	6534.3	6537.8	6537.8
10°	6453.8	6453.8	6423.7	6420.2	6410.1	6406.9	6406.9
12.5°	6339.7	6329.6	6306.1	6292.7	6299.5	6279.3	6279.3
15°	6238.9	6222.2	6192.0	6181.9	6165.2	6158.4	6158.4
17.5°	6134.9	6121.6	6094.8	6074.6	6054.4	6051.0	6054.4
20°	6034.2	6020.9	5987.3	5973.9	5957.1	5957.1	5950.4
22.5°	5933.6	5920.1	5890.1	5880.0	5856.4	5856.4	5859.8
25°	5829.5	5819.4	5785.8	5779.2	5776.0	5762.4	5769.1
27.5°	5688.6	5681.9	5655.0	5644.9	5631.6	5628.2	5634.9
30°	5430.1	5420.0	5400.1	5390.0	5366.5	5369.8	5376.4
32.5°	5108.1	5094.6	5067.7	5057.6	5037.5	5030.8	5034.1
35°	4705.3	4695.2	4671.8	4671.8	4651.6	4644.9	4651.6
37.5°	4295.9	4305.9	4295.9	4305.9	4295.9	4292.4	4295.9
40°	3909.9	3946.8	3953.4	3990.4	3977.1	3997.0	3993.8
42.5°	3540.7	3601.0	3624.6	3654.8	3648.2	3661.5	3671.6
45°	3168.1	3218.5	3242.0	3262.2	3265.5	3272.3	3275.6
47.5°	2815.7	2856.1	2859.3	2882.9	2879.5	2879.5	2889.6
50°	2486.9	2513.7	2520.3	2537.3	2523.8	2517.1	2520.3
52.5°	2181.5	2208.3	2201.5	2208.3	2191.6	2184.8	2188.2
55°	1869.3	1882.7	1882.7	1882.7	1862.7	1862.7	1862.7
57.5°	1550.5	1553.9	1547.2	1550.5	1547.2	1527.0	1523.7
60°	1258.5	1258.5	1255.2	1258.5	1248.5	1238.5	1238.5
62.5°	983.2	990.1	1003.4	990.1	983.2	990.1	980.0
65°	735.0	748.5	745.0	751.7	748.5	748.5	741.7
67.5°	553.8	557.1	560.4	563.9	563.9	563.9	563.9
70°	406.1	416.2	412.8	412.8	412.8	412.8	432.9
72.5°	271.8	285.3	281.9	288.5	288.5	295.4	288.5
75°	184.5	198.0	191.4	201.4	198.0	191.4	208.1
77.5°	124.2	130.9	134.3	137.5	134.3	130.9	134.3
80°	87.3	93.9	90.6	93.9	93.9	93.9	97.4
82.5°	53.7	63.8	60.4	63.8	60.4	63.8	63.8
85°	36.9	40.4	33.5	40.4	36.9	36.9	43.6
87.5°	23.4	20.2	20.2	23.4	20.2	23.4	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)