

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: P248621

Luminaire Tested: **LD8B175D010 ER8B175940 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248621
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 ER8B175940 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16343.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

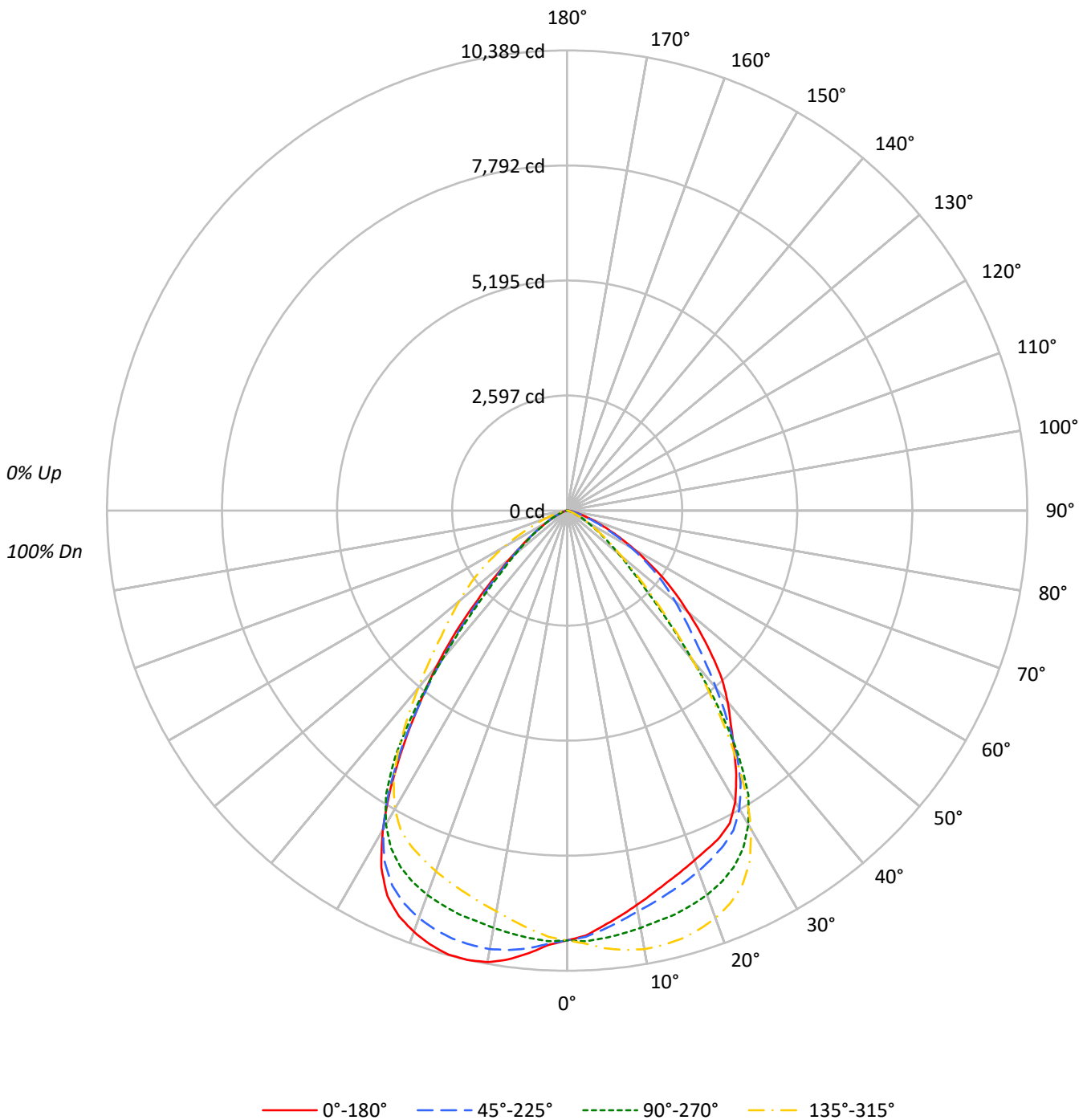
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	299183	299183	299183	299183
5°	291238	299886	310593	299886
10°	283180	299493	324120	299493
15°	277523	301271	331216	301271
20°	275632	302997	332065	302997
25°	277082	302386	326730	302386
30°	270230	291316	296554	291316
35°	247179	254128	241115	254128
40°	226936	176779	184605	176779
45°	201640	107845	124783	107845
50°	170673	72041	79999	72041
55°	141360	49154	51955	49154
60°	107816	32723	33013	32723
65°	76387	20386	18664	20386
70°	55096	13659	12397	13659
75°	34992	6779	5647	6779
80°	24417	5061	4191	5061
85°	21795	0	1663	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.5	5.7
10°-20°	2674.2	16.4
20°-30°	4049.3	24.8
30°-40°	4058.4	24.8
40°-50°	2548.5	15.6
50°-60°	1358.1	8.3
60°-70°	558.5	3.4
70°-80°	147.5	0.9
80°-90°	25.0	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°	7647.0	46.8
0°-40°	11705.5	71.6
0°-60°	15612.0	95.5
0°-90°	16343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16343.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9702	9702	9702	9702	9702	
5°	9409	9688	10034	9688	9409	887
15°	8693	9437	10375	9437	8693	2459
25°	8144	8887	9603	8887	8144	3735
35°	6566	6751	6405	6751	6566	4114
45°	4624	2473	2861	2473	4624	3556
55°	2629	914	966	914	2629	2344
65°	1047	279	256	279	1047	1086
75°	294	57	47	57	294	333
85°	62	0	5	0	62	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3
2.5°	9602.9	9593.3	9588.6	9598.2	9602.9	9621.8	9617.1	9626.5	9626.5	9631.3	9640.7
5°	9408.7	9403.8	9408.7	9408.7	9427.6	9446.5	9441.8	9456.0	9465.4	9489.2	9498.5
7.5°	9228.7	9228.7	9223.8	9242.7	9252.3	9280.7	9275.9	9299.7	9313.9	9337.5	9370.6
10°	9043.8	9043.8	9048.5	9062.7	9067.6	9110.1	9110.1	9143.3	9162.2	9186.0	9228.7
12.5°	8863.8	8863.8	8892.3	8882.7	8901.7	8934.8	8949.0	8982.2	9010.7	9058.0	9100.8
15°	8693.2	8693.2	8702.8	8726.4	8740.6	8783.3	8806.9	8844.9	8878.1	8925.4	8987.1
17.5°	8546.4	8541.7	8546.4	8574.8	8603.3	8641.1	8660.1	8707.4	8740.6	8802.2	8859.2
20°	8399.5	8409.1	8409.1	8432.7	8451.6	8499.0	8517.9	8570.2	8608.0	8664.7	8731.2
22.5°	8271.6	8266.9	8266.9	8300.1	8314.3	8356.8	8375.8	8423.1	8465.8	8513.2	8574.8
25°	8143.7	8134.1	8153.3	8157.9	8167.3	8214.7	8228.9	8262.1	8304.8	8347.5	8409.1
27.5°	7954.2	7944.8	7949.5	7968.4	7982.6	8020.5	8030.0	8063.2	8096.3	8134.1	8186.4
30°	7589.3	7580.0	7575.3	7608.4	7622.7	7650.9	7665.2	7722.1	7731.5	7774.2	7812.0
32.5°	7106.1	7101.4	7111.0	7139.3	7153.5	7191.5	7210.4	7243.6	7267.2	7291.0	7328.8
35°	6566.2	6556.6	6566.2	6594.6	6594.6	6627.8	6642.0	6656.1	6651.4	6656.1	6646.7
37.5°	6064.0	6059.2	6064.0	6078.1	6064.0	6078.1	6064.0	6035.6	5983.5	5926.6	5869.6
40°	5637.6	5642.3	5614.0	5632.9	5580.6	5571.3	5519.2	5448.0	5343.9	5230.2	5069.2
42.5°	5182.9	5168.6	5149.7	5159.1	5116.6	5083.2	4998.0	4908.1	4775.3	4586.0	4391.6
45°	4623.8	4619.1	4609.6	4604.9	4576.4	4543.3	4472.1	4368.0	4221.1	4026.9	3794.7
47.5°	4079.0	4064.7	4064.7	4069.4	4036.3	4031.6	3974.6	3884.8	3756.8	3567.3	3325.7
50°	3557.7	3553.1	3562.6	3581.5	3557.7	3548.4	3510.5	3448.9	3335.2	3174.2	2946.6
52.5°	3088.8	3084.1	3093.6	3117.2	3107.7	3117.2	3079.4	3032.0	2956.2	2799.8	2600.9
55°	2629.4	2629.4	2629.4	2657.6	2657.6	2657.6	2638.7	2610.4	2539.3	2425.6	2240.9
57.5°	2150.8	2155.5	2184.0	2188.7	2184.0	2193.5	2188.7	2160.2	2113.0	2032.5	1890.3
60°	1748.2	1748.2	1762.4	1776.6	1771.8	1776.6	1776.6	1762.4	1715.0	1648.7	1535.0
62.5°	1383.3	1397.6	1388.0	1397.6	1416.5	1397.6	1388.0	1378.6	1345.5	1302.8	1208.0
65°	1046.9	1056.5	1056.5	1061.2	1051.6	1056.5	1037.6	1023.3	1004.4	957.1	895.4
67.5°	796.0	796.0	796.0	796.0	791.1	786.4	781.7	767.5	734.4	715.4	649.0
70°	611.1	582.7	582.7	582.7	582.7	587.5	573.3	554.4	544.8	511.7	464.3
72.5°	407.4	416.9	407.4	407.4	398.0	402.7	383.8	374.2	364.8	345.9	317.5
75°	293.7	270.1	279.4	284.3	270.1	279.4	260.5	241.6	241.6	227.4	213.1
77.5°	189.5	184.9	189.5	194.2	189.5	184.9	175.3	165.7	165.7	161.1	146.8
80°	137.5	132.6	132.6	132.6	127.9	132.6	123.2	123.2	113.7	109.0	99.4
82.5°	90.1	90.1	85.2	90.1	85.2	90.1	75.9	75.9	75.9	71.0	61.6
85°	61.6	52.1	52.1	56.9	47.4	56.9	52.1	47.4	42.7	42.7	37.8
87.5°	28.5	33.1	28.5	33.1	28.5	28.5	33.1	28.5	28.5	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3
2.5°	9654.9	9659.6	9659.6	9678.7	9688.1	9692.8	9692.8	9730.8	9716.6	9726.1	9735.5
5°	9517.7	9545.9	9555.5	9555.5	9607.6	9626.5	9645.4	9688.1	9692.8	9721.2	9754.4
7.5°	9384.9	9418.0	9437.1	9479.6	9512.8	9545.9	9602.9	9631.3	9659.6	9697.6	9740.2
10°	9256.9	9295.0	9332.8	9365.9	9418.0	9460.7	9498.5	9564.8	9598.2	9650.3	9707.0
12.5°	9133.9	9186.0	9219.1	9275.9	9332.8	9370.6	9427.6	9489.2	9541.3	9593.3	9659.6
15°	9024.9	9086.5	9124.3	9186.0	9247.6	9299.7	9361.3	9437.1	9475.0	9536.6	9598.2
17.5°	8906.3	8972.8	9020.2	9077.0	9152.8	9209.6	9261.8	9337.5	9384.9	9451.2	9522.3
20°	8783.3	8849.6	8906.3	8963.3	9039.1	9095.9	9157.5	9233.4	9285.4	9351.7	9408.7
22.5°	8636.5	8698.1	8759.5	8825.8	8901.7	8949.0	9020.2	9086.5	9143.3	9204.9	9261.8
25°	8446.9	8522.8	8570.2	8631.6	8693.2	8745.3	8821.1	8887.4	8934.8	8991.7	9043.8
27.5°	8224.2	8281.2	8319.0	8371.1	8432.7	8480.1	8536.8	8603.3	8650.7	8702.8	8740.6
30°	7845.2	7897.4	7930.6	7968.4	8030.0	8072.7	8120.1	8181.5	8214.7	8252.7	8285.9
32.5°	7347.7	7390.4	7409.3	7437.8	7480.5	7523.0	7561.0	7613.1	7627.3	7650.9	7650.9
35°	6627.8	6637.1	6632.5	6642.0	6660.9	6684.5	6717.7	6750.8	6769.7	6769.7	6755.7
37.5°	5784.4	5727.7	5666.1	5618.7	5604.4	5594.9	5614.0	5628.0	5647.1	5656.5	5632.9
40°	4908.1	4780.2	4642.7	4519.5	4434.3	4396.4	4382.2	4391.6	4391.6	4424.7	4424.7
42.5°	4154.8	3955.7	3752.2	3567.3	3444.1	3349.5	3306.8	3306.8	3311.5	3335.2	3349.5
45°	3529.5	3278.3	3041.4	2837.8	2667.2	2543.9	2487.2	2473.0	2468.3	2477.6	2510.8
47.5°	3050.9	2790.4	2543.9	2293.0	2113.0	1989.8	1937.7	1918.6	1899.7	1918.6	1923.5
50°	2676.7	2406.7	2146.1	1895.0	1705.5	1596.4	1530.1	1501.7	1497.0	1497.0	1506.6
52.5°	2335.5	2084.5	1824.0	1568.2	1369.1	1265.0	1203.3	1189.1	1170.2	1189.1	1189.1
55°	2013.4	1762.4	1506.6	1265.0	1099.0	990.2	933.3	914.3	904.8	919.0	919.0
57.5°	1662.9	1449.6	1212.9	994.9	829.1	753.3	710.6	687.0	682.1	691.7	682.1
60°	1364.4	1184.4	980.6	781.7	653.8	573.3	540.1	530.6	521.0	530.6	530.6
62.5°	1080.1	928.6	762.6	611.1	502.1	445.4	407.4	407.4	402.7	402.7	407.4
65°	800.7	682.1	563.7	435.8	350.6	307.9	279.4	279.4	274.8	279.4	274.8
67.5°	582.7	502.1	407.4	317.5	251.2	227.4	208.5	194.2	203.8	194.2	189.5
70°	426.5	360.0	293.7	241.6	194.2	170.6	156.4	151.5	142.2	142.2	142.2
72.5°	284.3	241.6	198.9	156.4	127.9	104.1	99.4	90.1	80.5	85.2	94.8
75°	189.5	161.1	142.2	113.7	85.2	85.2	56.9	56.9	47.4	56.9	42.7
77.5°	132.6	109.0	85.2	71.0	56.9	52.1	37.8	37.8	33.1	33.1	33.1
80°	94.8	80.5	61.6	52.1	37.8	37.8	33.1	28.5	23.6	23.6	28.5
82.5°	56.9	42.7	42.7	37.8	23.6	18.9	14.2	18.9	9.6	9.6	9.6
85°	33.1	28.5	23.6	14.2	9.6	9.6	4.7	0.0	4.7	4.7	0.0
87.5°	18.9	9.6	9.6	4.7	0.0	4.7	4.7	0.0	0.0	0.0	9.6
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°	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3
2.5°	9759.3	9754.4	9763.9	9763.9	9792.4	9787.5	9801.8	9801.8	9792.4	9797.1	9816.0
5°	9792.4	9806.6	9834.9	9858.7	9901.2	9920.3	9943.9	9967.7	9972.4	9986.6	10000.9
7.5°	9792.4	9839.8	9872.9	9915.5	9972.4	10005.5	10057.6	10100.3	10119.2	10142.8	10171.3
10°	9773.3	9820.7	9882.3	9929.7	10000.9	10052.9	10105.0	10171.3	10199.8	10237.6	10275.6
12.5°	9735.5	9787.5	9853.8	9915.5	9996.0	10043.4	10109.7	10171.3	10214.0	10266.1	10308.8
15°	9678.7	9740.2	9801.8	9863.4	9948.6	10005.5	10067.2	10138.1	10180.8	10237.6	10275.6
17.5°	9588.6	9654.9	9711.9	9768.6	9849.2	9915.5	9972.4	10038.7	10081.4	10128.8	10180.8
20°	9479.6	9541.3	9602.9	9650.3	9730.8	9787.5	9849.2	9910.8	9943.9	9953.5	10034.0
22.5°	9342.4	9384.9	9432.2	9508.1	9555.5	9607.6	9664.5	9721.2	9754.4	9806.6	9834.9
25°	9114.8	9157.5	9209.6	9242.7	9299.7	9342.4	9399.1	9460.7	9479.6	9517.7	9545.9
27.5°	8797.5	8821.1	8844.9	8873.2	8906.3	8930.1	8963.3	8991.7	9010.7	9029.6	9048.5
30°	8295.2	8295.2	8295.2	8276.3	8290.5	8304.8	8309.5	8304.8	8304.8	8300.1	8300.1
32.5°	7632.0	7594.2	7551.5	7513.7	7499.4	7480.5	7471.0	7456.7	7433.1	7418.9	7423.6
35°	6736.6	6651.4	6599.3	6551.9	6514.1	6485.6	6471.4	6457.2	6452.5	6433.6	6414.5
37.5°	5618.7	5557.1	5519.2	5490.8	5457.6	5429.1	5433.8	5438.7	5452.7	5443.4	5448.0
40°	4434.3	4420.0	4434.3	4401.1	4391.6	4401.1	4424.7	4458.0	4477.0	4495.9	4529.0
42.5°	3373.1	3396.7	3430.0	3430.0	3444.1	3463.2	3491.4	3543.7	3572.0	3605.1	3643.1
45°	2539.3	2567.7	2610.4	2624.5	2634.0	2657.6	2691.0	2733.5	2752.4	2780.9	2814.0
47.5°	1956.6	1975.5	1999.1	2022.9	2046.5	2056.1	2089.2	2089.2	2113.0	2131.9	2141.3
50°	1525.5	1544.4	1563.3	1577.5	1587.1	1601.3	1610.7	1624.9	1629.6	1639.2	1643.8
52.5°	1193.8	1217.6	1217.6	1226.9	1241.2	1255.4	1250.7	1255.4	1260.1	1260.1	1274.3
55°	933.3	933.3	947.5	947.5	957.1	952.2	957.1	957.1	957.1	957.1	961.7
57.5°	696.3	701.2	715.4	705.9	701.2	710.6	701.2	710.6	705.9	715.4	701.2
60°	535.3	535.3	540.1	540.1	544.8	544.8	544.8	540.1	540.1	535.3	535.3
62.5°	402.7	407.4	412.2	407.4	407.4	407.4	402.7	402.7	398.0	393.1	393.1
65°	270.1	265.4	274.8	265.4	270.1	270.1	265.4	270.1	255.8	260.5	255.8
67.5°	194.2	189.5	184.9	189.5	184.9	180.0	180.0	184.9	189.5	175.3	175.3
70°	127.9	132.6	127.9	132.6	137.5	137.5	132.6	127.9	132.6	123.2	127.9
72.5°	80.5	80.5	80.5	80.5	80.5	85.2	85.2	85.2	75.9	75.9	71.0
75°	37.8	52.1	42.7	37.8	52.1	52.1	47.4	47.4	42.7	42.7	42.7
77.5°	37.8	28.5	28.5	28.5	28.5	28.5	28.5	28.5	23.6	28.5	23.6
80°	18.9	18.9	18.9	14.2	18.9	18.9	23.6	18.9	18.9	14.2	23.6
82.5°	9.6	9.6	9.6	0.0	4.7	9.6	9.6	4.7	9.6	9.6	4.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248621

CATALOG NUMBER: LD8B175D010 ER8B175940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3
2.5°	9811.3	9806.6	9811.3	9816.0	9811.3	9806.6	9811.3	9816.0	9797.1	9792.4	9801.8
5°	10019.8	10019.8	10029.1	10034.0	10029.1	10019.8	10019.8	10000.9	9986.6	9972.4	9967.7
7.5°	10199.8	10209.3	10218.7	10223.4	10218.7	10209.3	10199.8	10171.3	10142.8	10119.2	10100.3
10°	10308.8	10323.0	10341.9	10351.3	10341.9	10323.0	10308.8	10275.6	10237.6	10199.8	10171.3
12.5°	10356.1	10370.4	10394.0	10389.3	10394.0	10370.4	10356.1	10308.8	10266.1	10214.0	10171.3
15°	10323.0	10341.9	10365.5	10375.1	10365.5	10341.9	10323.0	10275.6	10237.6	10180.8	10138.1
17.5°	10218.7	10247.1	10261.4	10275.6	10261.4	10247.1	10218.7	10180.8	10128.8	10081.4	10038.7
20°	10076.5	10095.6	10114.5	10119.2	10114.5	10095.6	10076.5	10034.0	9953.5	9943.9	9910.8
22.5°	9872.9	9887.2	9929.7	9915.5	9929.7	9887.2	9872.9	9834.9	9806.6	9754.4	9721.2
25°	9579.1	9593.3	9598.2	9602.9	9598.2	9593.3	9579.1	9545.9	9517.7	9479.6	9460.7
27.5°	9072.3	9072.3	9081.6	9086.5	9081.6	9072.3	9072.3	9048.5	9029.6	9010.7	8991.7
30°	8304.8	8304.8	8304.8	8328.6	8304.8	8304.8	8304.8	8300.1	8300.1	8304.8	8304.8
32.5°	7418.9	7409.3	7400.0	7409.3	7400.0	7409.3	7418.9	7423.6	7418.9	7433.1	7456.7
35°	6414.5	6409.8	6424.0	6405.1	6424.0	6409.8	6414.5	6414.5	6433.6	6452.5	6457.2
37.5°	5452.7	5443.4	5462.3	5443.4	5462.3	5443.4	5452.7	5448.0	5443.4	5452.7	5438.7
40°	4538.6	4547.9	4547.9	4586.0	4547.9	4547.9	4538.6	4529.0	4495.9	4477.0	4458.0
42.5°	3662.1	3690.5	3681.0	3709.4	3681.0	3690.5	3662.1	3643.1	3605.1	3572.0	3543.7
45°	2832.9	2852.0	2852.0	2861.4	2852.0	2852.0	2832.9	2814.0	2780.9	2752.4	2733.5
47.5°	2174.4	2174.4	2174.4	2179.3	2174.4	2174.4	2174.4	2141.3	2131.9	2113.0	2089.2
50°	1653.4	1658.1	1662.9	1667.6	1662.9	1658.1	1653.4	1643.8	1639.2	1629.6	1624.9
52.5°	1269.6	1274.3	1265.0	1274.3	1265.0	1274.3	1269.6	1274.3	1260.1	1260.1	1255.4
55°	961.7	957.1	961.7	966.4	961.7	957.1	961.7	961.7	957.1	957.1	957.1
57.5°	705.9	696.3	696.3	696.3	696.3	696.3	705.9	701.2	715.4	705.9	710.6
60°	525.9	530.6	530.6	535.3	530.6	530.6	525.9	535.3	535.3	540.1	540.1
62.5°	388.4	402.7	393.1	402.7	393.1	402.7	388.4	393.1	393.1	398.0	402.7
65°	251.2	251.2	251.2	255.8	251.2	251.2	251.2	255.8	260.5	255.8	270.1
67.5°	170.6	175.3	184.9	180.0	184.9	175.3	170.6	175.3	175.3	189.5	184.9
70°	137.5	123.2	123.2	137.5	123.2	123.2	137.5	127.9	123.2	132.6	127.9
72.5°	80.5	71.0	80.5	80.5	80.5	71.0	80.5	71.0	75.9	75.9	85.2
75°	42.7	37.8	33.1	47.4	33.1	37.8	42.7	42.7	42.7	42.7	47.4
77.5°	28.5	23.6	33.1	33.1	33.1	23.6	28.5	23.6	28.5	23.6	28.5
80°	14.2	18.9	14.2	23.6	14.2	18.9	14.2	23.6	14.2	18.9	18.9
82.5°	4.7	9.6	9.6	9.6	9.6	9.6	4.7	4.7	9.6	9.6	4.7
85°	0.0	9.6	4.7	4.7	4.7	9.6	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	0.0	0.0	4.7	0.0	0.0	4.7	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248621

CATALOG NUMBER: LD8B175D010 ER8B175940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3
2.5°	9801.8	9787.5	9792.4	9763.9	9763.9	9754.4	9759.3	9735.5	9726.1	9716.6	9730.8
5°	9943.9	9920.3	9901.2	9858.7	9834.9	9806.6	9792.4	9754.4	9721.2	9692.8	9688.1
7.5°	10057.6	10005.5	9972.4	9915.5	9872.9	9839.8	9792.4	9740.2	9697.6	9659.6	9631.3
10°	10105.0	10052.9	10000.9	9929.7	9882.3	9820.7	9773.3	9707.0	9650.3	9598.2	9564.8
12.5°	10109.7	10043.4	9996.0	9915.5	9853.8	9787.5	9735.5	9659.6	9593.3	9541.3	9489.2
15°	10067.2	10005.5	9948.6	9863.4	9801.8	9740.2	9678.7	9598.2	9536.6	9475.0	9437.1
17.5°	9972.4	9915.5	9849.2	9768.6	9711.9	9654.9	9588.6	9522.3	9451.2	9384.9	9337.5
20°	9849.2	9787.5	9730.8	9650.3	9602.9	9541.3	9479.6	9408.7	9351.7	9285.4	9233.4
22.5°	9664.5	9607.6	9555.5	9508.1	9432.2	9384.9	9342.4	9261.8	9204.9	9143.3	9086.5
25°	9399.1	9342.4	9299.7	9242.7	9209.6	9157.5	9114.8	9043.8	8991.7	8934.8	8887.4
27.5°	8963.3	8930.1	8906.3	8873.2	8844.9	8821.1	8797.5	8740.6	8702.8	8650.7	8603.3
30°	8309.5	8304.8	8290.5	8276.3	8295.2	8295.2	8295.2	8285.9	8252.7	8214.7	8181.5
32.5°	7471.0	7480.5	7499.4	7513.7	7551.5	7594.2	7632.0	7650.9	7650.9	7627.3	7613.1
35°	6471.4	6485.6	6514.1	6551.9	6599.3	6651.4	6736.6	6755.7	6769.7	6769.7	6750.8
37.5°	5433.8	5429.1	5457.6	5490.8	5519.2	5557.1	5618.7	5632.9	5656.5	5647.1	5628.0
40°	4424.7	4401.1	4391.6	4401.1	4434.3	4420.0	4434.3	4424.7	4424.7	4391.6	4391.6
42.5°	3491.4	3463.2	3444.1	3430.0	3430.0	3396.7	3373.1	3349.5	3335.2	3311.5	3306.8
45°	2691.0	2657.6	2634.0	2624.5	2610.4	2567.7	2539.3	2510.8	2477.6	2468.3	2473.0
47.5°	2089.2	2056.1	2046.5	2022.9	1999.1	1975.5	1956.6	1923.5	1918.6	1899.7	1918.6
50°	1610.7	1601.3	1587.1	1577.5	1563.3	1544.4	1525.5	1506.6	1497.0	1497.0	1501.7
52.5°	1250.7	1255.4	1241.2	1226.9	1217.6	1217.6	1193.8	1189.1	1189.1	1170.2	1189.1
55°	957.1	952.2	957.1	947.5	947.5	933.3	933.3	919.0	919.0	904.8	914.3
57.5°	701.2	710.6	701.2	705.9	715.4	701.2	696.3	682.1	691.7	682.1	687.0
60°	544.8	544.8	544.8	540.1	540.1	535.3	535.3	530.6	530.6	521.0	530.6
62.5°	402.7	407.4	407.4	407.4	412.2	407.4	402.7	407.4	402.7	402.7	407.4
65°	265.4	270.1	270.1	265.4	274.8	265.4	270.1	274.8	279.4	274.8	279.4
67.5°	180.0	180.0	184.9	189.5	184.9	189.5	194.2	189.5	194.2	203.8	194.2
70°	132.6	137.5	137.5	132.6	127.9	132.6	127.9	142.2	142.2	142.2	151.5
72.5°	85.2	85.2	80.5	80.5	80.5	80.5	80.5	94.8	85.2	80.5	90.1
75°	47.4	52.1	52.1	37.8	42.7	52.1	37.8	42.7	56.9	47.4	56.9
77.5°	28.5	28.5	28.5	28.5	28.5	28.5	37.8	33.1	33.1	33.1	37.8
80°	23.6	18.9	18.9	14.2	18.9	18.9	18.9	28.5	23.6	23.6	28.5
82.5°	9.6	9.6	4.7	0.0	9.6	9.6	9.6	9.6	9.6	9.6	18.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	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: P248621

CATALOG NUMBER: LD8B175D010 ER8B175940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3
2.5°	9692.8	9692.8	9688.1	9678.7	9659.6	9659.6	9654.9	9640.7	9631.3	9626.5	9626.5
5°	9645.4	9626.5	9607.6	9555.5	9555.5	9545.9	9517.7	9498.5	9489.2	9465.4	9456.0
7.5°	9602.9	9545.9	9512.8	9479.6	9437.1	9418.0	9384.9	9370.6	9337.5	9313.9	9299.7
10°	9498.5	9460.7	9418.0	9365.9	9332.8	9295.0	9256.9	9228.7	9186.0	9162.2	9143.3
12.5°	9427.6	9370.6	9332.8	9275.9	9219.1	9186.0	9133.9	9100.8	9058.0	9010.7	8982.2
15°	9361.3	9299.7	9247.6	9186.0	9124.3	9086.5	9024.9	8987.1	8925.4	8878.1	8844.9
17.5°	9261.8	9209.6	9152.8	9077.0	9020.2	8972.8	8906.3	8859.2	8802.2	8740.6	8707.4
20°	9157.5	9095.9	9039.1	8963.3	8906.3	8849.6	8783.3	8731.2	8664.7	8608.0	8570.2
22.5°	9020.2	8949.0	8901.7	8825.8	8759.5	8698.1	8636.5	8574.8	8513.2	8465.8	8423.1
25°	8821.1	8745.3	8693.2	8631.6	8570.2	8522.8	8446.9	8409.1	8347.5	8304.8	8262.1
27.5°	8536.8	8480.1	8432.7	8371.1	8319.0	8281.2	8224.2	8186.4	8134.1	8096.3	8063.2
30°	8120.1	8072.7	8030.0	7968.4	7930.6	7897.4	7845.2	7812.0	7774.2	7731.5	7722.1
32.5°	7561.0	7523.0	7480.5	7437.8	7409.3	7390.4	7347.7	7328.8	7291.0	7267.2	7243.6
35°	6717.7	6684.5	6660.9	6642.0	6632.5	6637.1	6627.8	6646.7	6656.1	6651.4	6656.1
37.5°	5614.0	5594.9	5604.4	5618.7	5666.1	5727.7	5784.4	5869.6	5926.6	5983.5	6035.6
40°	4382.2	4396.4	4434.3	4519.5	4642.7	4780.2	4908.1	5069.2	5230.2	5343.9	5448.0
42.5°	3306.8	3349.5	3444.1	3567.3	3752.2	3955.7	4154.8	4391.6	4586.0	4775.3	4908.1
45°	2487.2	2543.9	2667.2	2837.8	3041.4	3278.3	3529.5	3794.7	4026.9	4221.1	4368.0
47.5°	1937.7	1989.8	2113.0	2293.0	2543.9	2790.4	3050.9	3325.7	3567.3	3756.8	3884.8
50°	1530.1	1596.4	1705.5	1895.0	2146.1	2406.7	2676.7	2946.6	3174.2	3335.2	3448.9
52.5°	1203.3	1265.0	1369.1	1568.2	1824.0	2084.5	2335.5	2600.9	2799.8	2956.2	3032.0
55°	933.3	990.2	1099.0	1265.0	1506.6	1762.4	2013.4	2240.9	2425.6	2539.3	2610.4
57.5°	710.6	753.3	829.1	994.9	1212.9	1449.6	1662.9	1890.3	2032.5	2113.0	2160.2
60°	540.1	573.3	653.8	781.7	980.6	1184.4	1364.4	1535.0	1648.7	1715.0	1762.4
62.5°	407.4	445.4	502.1	611.1	762.6	928.6	1080.1	1208.0	1302.8	1345.5	1378.6
65°	279.4	307.9	350.6	435.8	563.7	682.1	800.7	895.4	957.1	1004.4	1023.3
67.5°	208.5	227.4	251.2	317.5	407.4	502.1	582.7	649.0	715.4	734.4	767.5
70°	156.4	170.6	194.2	241.6	293.7	360.0	426.5	464.3	511.7	544.8	554.4
72.5°	99.4	104.1	127.9	156.4	198.9	241.6	284.3	317.5	345.9	364.8	374.2
75°	56.9	85.2	85.2	113.7	142.2	161.1	189.5	213.1	227.4	241.6	241.6
77.5°	37.8	52.1	56.9	71.0	85.2	109.0	132.6	146.8	161.1	165.7	165.7
80°	33.1	37.8	37.8	52.1	61.6	80.5	94.8	99.4	109.0	113.7	123.2
82.5°	14.2	18.9	23.6	37.8	42.7	42.7	56.9	61.6	71.0	75.9	75.9
85°	4.7	9.6	9.6	14.2	23.6	28.5	33.1	37.8	42.7	42.7	47.4
87.5°	4.7	4.7	0.0	4.7	9.6	9.6	18.9	18.9	18.9	28.5	28.5
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: P248621

CATALOG NUMBER: LD8B175D010 ER8B175940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3	9702.3
2.5°	9617.1	9621.8	9602.9	9598.2	9588.6	9593.3	9602.9
5°	9441.8	9446.5	9427.6	9408.7	9408.7	9403.8	9408.7
7.5°	9275.9	9280.7	9252.3	9242.7	9223.8	9228.7	9228.7
10°	9110.1	9110.1	9067.6	9062.7	9048.5	9043.8	9043.8
12.5°	8949.0	8934.8	8901.7	8882.7	8892.3	8863.8	8863.8
15°	8806.9	8783.3	8740.6	8726.4	8702.8	8693.2	8693.2
17.5°	8660.1	8641.1	8603.3	8574.8	8546.4	8541.7	8546.4
20°	8517.9	8499.0	8451.6	8432.7	8409.1	8409.1	8399.5
22.5°	8375.8	8356.8	8314.3	8300.1	8266.9	8266.9	8271.6
25°	8228.9	8214.7	8167.3	8157.9	8153.3	8134.1	8143.7
27.5°	8030.0	8020.5	7982.6	7968.4	7949.5	7944.8	7954.2
30°	7665.2	7650.9	7622.7	7608.4	7575.3	7580.0	7589.3
32.5°	7210.4	7191.5	7153.5	7139.3	7111.0	7101.4	7106.1
35°	6642.0	6627.8	6594.6	6594.6	6566.2	6556.6	6566.2
37.5°	6064.0	6078.1	6064.0	6078.1	6064.0	6059.2	6064.0
40°	5519.2	5571.3	5580.6	5632.9	5614.0	5642.3	5637.6
42.5°	4998.0	5083.2	5116.6	5159.1	5149.7	5168.6	5182.9
45°	4472.1	4543.3	4576.4	4604.9	4609.6	4619.1	4623.8
47.5°	3974.6	4031.6	4036.3	4069.4	4064.7	4064.7	4079.0
50°	3510.5	3548.4	3557.7	3581.5	3562.6	3553.1	3557.7
52.5°	3079.4	3117.2	3107.7	3117.2	3093.6	3084.1	3088.8
55°	2638.7	2657.6	2657.6	2657.6	2629.4	2629.4	2629.4
57.5°	2188.7	2193.5	2184.0	2188.7	2184.0	2155.5	2150.8
60°	1776.6	1776.6	1771.8	1776.6	1762.4	1748.2	1748.2
62.5°	1388.0	1397.6	1416.5	1397.6	1388.0	1397.6	1383.3
65°	1037.6	1056.5	1051.6	1061.2	1056.5	1056.5	1046.9
67.5°	781.7	786.4	791.1	796.0	796.0	796.0	796.0
70°	573.3	587.5	582.7	582.7	582.7	582.7	611.1
72.5°	383.8	402.7	398.0	407.4	407.4	416.9	407.4
75°	260.5	279.4	270.1	284.3	279.4	270.1	293.7
77.5°	175.3	184.9	189.5	194.2	189.5	184.9	189.5
80°	123.2	132.6	127.9	132.6	132.6	132.6	137.5
82.5°	75.9	90.1	85.2	90.1	85.2	90.1	90.1
85°	52.1	56.9	47.4	56.9	52.1	52.1	61.6
87.5°	33.1	28.5	28.5	33.1	28.5	33.1	28.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)