

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: P248855

Luminaire Tested: **LD8B175D010 ER8B175927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248855
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 ER8B175927 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13302.0 lumens
Efficiency: N/A
Efficacy: 75.1 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

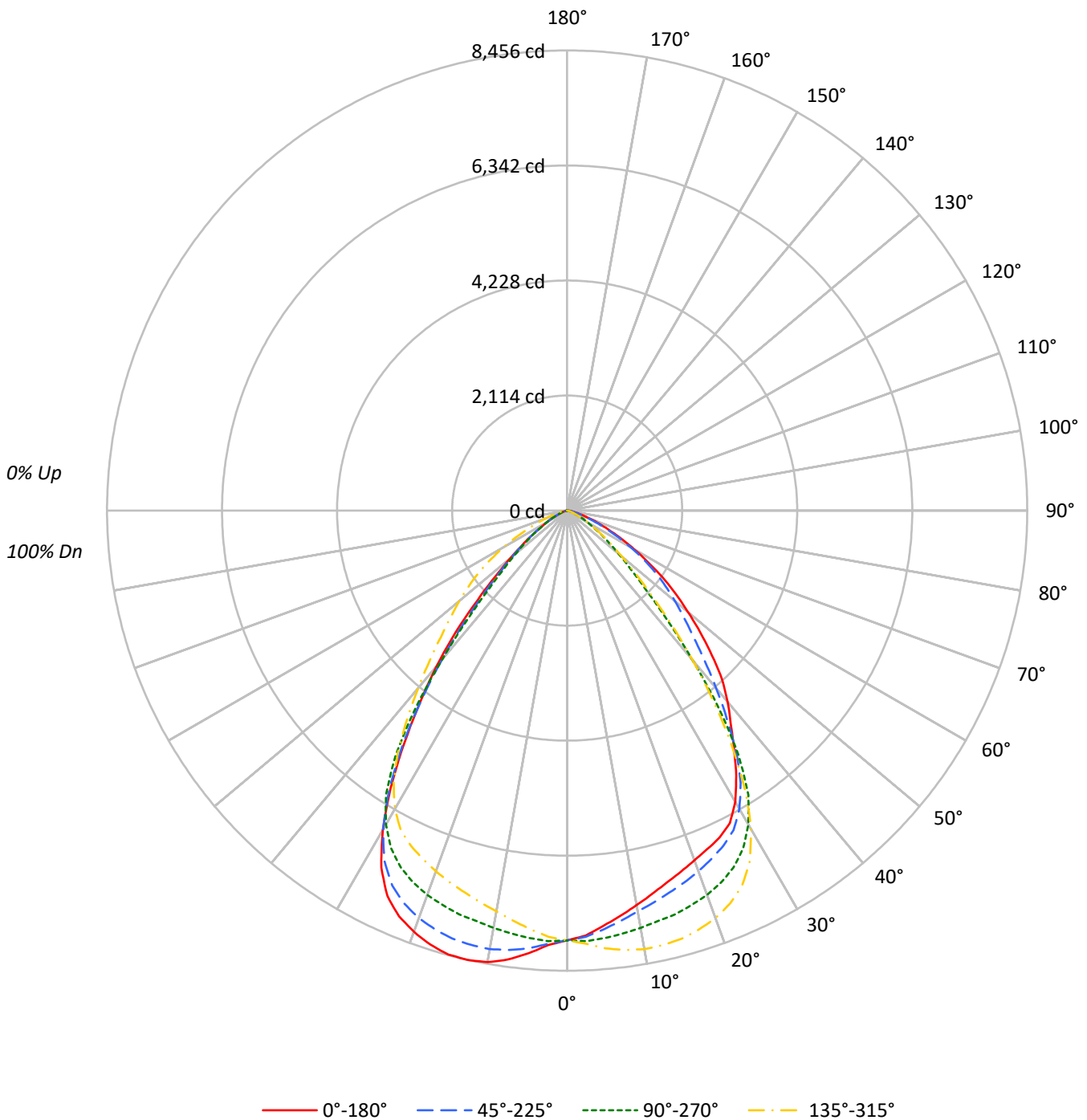
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	751.6	5.7
10°-20°	2176.6	16.4
20°-30°	3295.9	24.8
30°-40°	3303.3	24.8
40°-50°	2074.3	15.6
50°-60°	1105.4	8.3
60°-70°	454.5	3.4
70°-80°	120.1	0.9
80°-90°	20.3	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°	6224.1	46.8
0°-40°	9527.4	71.6
0°-60°	12707.0	95.5
0°-90°	13302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13302.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7897	7897	7897	7897	7897	
5°	7658	7885	8167	7885	7658	722
15°	7076	7681	8445	7681	7076	2001
25°	6628	7234	7816	7234	6628	3040
35°	5344	5495	5213	5495	5344	3348
45°	3764	2013	2329	2013	3764	2894
55°	2140	744	787	744	2140	1908
65°	852	228	208	228	852	884
75°	239	46	39	46	239	271
85°	50	0	4	0	50	55
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°	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9
2.5°	7816.0	7808.3	7804.5	7812.2	7816.0	7831.5	7827.6	7835.3	7835.3	7839.2	7846.9
5°	7658.0	7653.9	7658.0	7658.0	7673.4	7688.7	7685.0	7696.6	7704.1	7723.5	7731.1
7.5°	7511.5	7511.5	7507.5	7522.9	7530.6	7553.8	7549.9	7569.2	7580.8	7600.0	7627.0
10°	7361.0	7361.0	7364.8	7376.4	7380.3	7415.0	7415.0	7442.0	7457.3	7476.8	7511.5
12.5°	7214.5	7214.5	7237.7	7229.9	7245.3	7272.2	7283.8	7310.8	7334.0	7372.6	7407.3
15°	7075.6	7075.6	7083.4	7102.6	7114.2	7148.9	7168.2	7199.1	7226.1	7264.7	7314.9
17.5°	6956.1	6952.3	6956.1	6979.3	7002.4	7033.3	7048.7	7087.2	7114.2	7164.3	7210.7
20°	6836.6	6844.4	6844.4	6863.6	6879.0	6917.5	6932.9	6975.4	7006.3	7052.5	7106.6
22.5°	6732.4	6728.7	6728.7	6755.6	6767.2	6801.9	6817.3	6855.9	6890.6	6929.1	6979.3
25°	6628.4	6620.6	6636.2	6640.0	6647.6	6686.1	6697.7	6724.7	6759.4	6794.2	6844.4
27.5°	6474.2	6466.5	6470.3	6485.7	6497.3	6528.0	6535.8	6562.8	6589.8	6620.6	6663.2
30°	6177.2	6169.5	6165.7	6192.7	6204.3	6227.3	6238.9	6285.3	6292.8	6327.6	6358.4
32.5°	5783.8	5780.0	5787.8	5810.8	5822.4	5853.4	5868.8	5895.8	5914.9	5934.3	5965.1
35°	5344.4	5336.6	5344.4	5367.6	5367.6	5394.5	5406.1	5417.6	5413.7	5417.6	5409.9
37.5°	4935.7	4931.8	4935.7	4947.1	4935.7	4947.1	4935.7	4912.5	4870.1	4823.8	4777.4
40°	4588.5	4592.4	4569.4	4584.8	4542.2	4534.7	4492.2	4434.3	4349.6	4257.0	4125.9
42.5°	4218.4	4206.8	4191.5	4199.1	4164.5	4137.4	4068.0	3994.9	3886.8	3732.6	3574.4
45°	3763.5	3759.6	3751.9	3748.0	3724.9	3697.9	3639.9	3555.2	3435.6	3277.6	3088.6
47.5°	3320.0	3308.4	3308.4	3312.2	3285.2	3281.4	3235.0	3161.9	3057.8	2903.5	2706.9
50°	2895.8	2891.9	2899.7	2915.1	2895.8	2888.1	2857.3	2807.2	2714.6	2583.6	2398.3
52.5°	2514.0	2510.2	2518.0	2537.2	2529.5	2537.2	2506.4	2467.8	2406.2	2278.8	2116.9
55°	2140.1	2140.1	2140.1	2163.2	2163.2	2163.2	2147.7	2124.7	2066.7	1974.3	1824.0
57.5°	1750.6	1754.4	1777.6	1781.4	1777.6	1785.4	1781.4	1758.3	1719.8	1654.3	1538.6
60°	1422.9	1422.9	1434.5	1446.1	1442.0	1446.1	1446.1	1434.5	1395.9	1341.9	1249.4
62.5°	1125.9	1137.5	1129.7	1137.5	1152.9	1137.5	1129.7	1122.1	1095.1	1060.3	983.2
65°	852.2	860.0	860.0	863.8	855.9	860.0	844.5	833.0	817.5	778.9	728.8
67.5°	647.9	647.9	647.9	647.9	643.9	640.1	636.3	624.7	597.7	582.3	528.2
70°	497.4	474.2	474.2	474.2	474.2	478.2	466.6	451.2	443.5	416.5	377.9
72.5°	331.5	339.3	331.5	331.5	323.9	327.7	312.3	304.5	297.0	281.6	258.4
75°	239.1	219.8	227.5	231.4	219.8	227.5	212.1	196.6	196.6	185.1	173.5
77.5°	154.2	150.4	154.2	158.1	154.2	150.4	142.6	134.9	134.9	131.1	119.5
80°	111.9	107.9	107.9	107.9	104.1	107.9	100.4	100.4	92.5	88.8	81.0
82.5°	73.4	73.4	69.4	73.4	69.4	73.4	61.8	61.8	61.8	57.8	50.2
85°	50.2	42.4	42.4	46.4	38.6	46.4	42.4	38.6	34.8	34.8	30.8
87.5°	23.2	27.0	23.2	27.0	23.2	23.2	27.0	23.2	23.2	15.4	15.4
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°	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9
2.5°	7858.5	7862.2	7862.2	7877.8	7885.4	7889.2	7889.2	7920.1	7908.5	7916.3	7923.9
5°	7746.6	7769.7	7777.5	7777.5	7819.9	7835.3	7850.6	7885.4	7889.2	7912.4	7939.4
7.5°	7638.6	7665.5	7681.2	7715.7	7742.7	7769.7	7816.0	7839.2	7862.2	7893.1	7927.8
10°	7534.5	7565.4	7596.2	7623.2	7665.5	7700.3	7731.1	7785.1	7812.2	7854.6	7900.8
12.5°	7434.3	7476.8	7503.6	7549.9	7596.2	7627.0	7673.4	7723.5	7765.9	7808.3	7862.2
15°	7345.6	7395.8	7426.6	7476.8	7526.8	7569.2	7619.4	7681.2	7711.9	7762.0	7812.2
17.5°	7249.0	7303.3	7341.8	7388.0	7449.8	7495.9	7538.4	7600.0	7638.6	7692.5	7750.5
20°	7148.9	7202.9	7249.0	7295.4	7357.2	7403.4	7453.6	7515.2	7557.6	7611.6	7658.0
22.5°	7029.4	7079.6	7129.6	7183.6	7245.3	7283.8	7341.8	7395.8	7442.0	7492.0	7538.4
25°	6875.2	6936.9	6975.4	7025.5	7075.6	7118.0	7179.8	7233.8	7272.2	7318.6	7361.0
27.5°	6694.0	6740.2	6771.0	6813.4	6863.6	6902.2	6948.3	7002.4	7041.0	7083.4	7114.2
30°	6385.4	6427.9	6454.9	6485.7	6535.8	6570.6	6609.2	6659.2	6686.1	6717.2	6744.0
32.5°	5980.5	6015.3	6030.7	6053.8	6088.6	6123.2	6154.1	6196.5	6208.1	6227.3	6227.3
35°	5394.5	5402.1	5398.3	5406.1	5421.5	5440.7	5467.7	5494.7	5510.0	5510.0	5498.7
37.5°	4708.1	4661.9	4611.7	4573.2	4561.7	4553.8	4569.4	4580.8	4596.4	4604.0	4584.8
40°	3994.9	3890.7	3778.9	3678.5	3609.1	3578.4	3566.8	3574.4	3574.4	3601.4	3601.4
42.5°	3381.8	3219.6	3053.9	2903.5	2803.2	2726.2	2691.5	2691.5	2695.3	2714.6	2726.2
45°	2872.7	2668.3	2475.5	2309.7	2170.9	2070.6	2024.4	2012.8	2009.0	2016.7	2043.6
47.5°	2483.2	2271.2	2070.6	1866.3	1719.8	1619.6	1577.1	1561.6	1546.2	1561.6	1565.6
50°	2178.7	1958.8	1746.8	1542.4	1388.1	1299.4	1245.4	1222.3	1218.5	1218.5	1226.2
52.5°	1900.9	1696.6	1484.7	1276.4	1114.3	1029.6	979.4	967.8	952.4	967.8	967.8
55°	1638.7	1434.5	1226.2	1029.6	894.5	805.9	759.6	744.2	736.4	748.0	748.0
57.5°	1353.5	1179.9	987.2	809.8	674.9	613.1	578.4	559.1	555.2	562.9	555.2
60°	1110.5	964.0	798.2	636.3	532.1	466.6	439.6	431.9	424.1	431.9	431.9
62.5°	879.1	755.8	620.8	497.4	408.7	362.5	331.5	331.5	327.7	327.7	331.5
65°	651.7	555.2	458.9	354.7	285.4	250.6	227.5	227.5	223.6	227.5	223.6
67.5°	474.2	408.7	331.5	258.4	204.4	185.1	169.6	158.1	165.8	158.1	154.2
70°	347.1	293.0	239.1	196.6	158.1	138.8	127.2	123.3	115.6	115.6	115.6
72.5°	231.4	196.6	161.9	127.2	104.1	84.7	81.0	73.4	65.6	69.4	77.2
75°	154.2	131.1	115.6	92.5	69.4	69.4	46.4	46.4	38.6	46.4	34.8
77.5°	107.9	88.8	69.4	57.8	46.4	42.4	30.8	30.8	27.0	27.0	27.0
80°	77.2	65.6	50.2	42.4	30.8	30.8	27.0	23.2	19.2	19.2	23.2
82.5°	46.4	34.8	34.8	30.8	19.2	15.4	11.6	15.4	7.8	7.8	7.8
85°	27.0	23.2	19.2	11.6	7.8	7.8	3.8	0.0	3.8	3.8	0.0
87.5°	15.4	7.8	7.8	3.8	0.0	3.8	3.8	0.0	0.0	0.0	7.8
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°	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9
2.5°	7943.3	7939.4	7947.1	7947.1	7970.3	7966.4	7977.9	7977.9	7970.3	7974.1	7989.5
5°	7970.3	7981.9	8004.9	8024.3	8058.8	8074.5	8093.6	8112.9	8116.8	8128.4	8139.9
7.5°	7970.3	8008.9	8035.9	8070.4	8116.8	8143.8	8186.2	8220.9	8236.4	8255.5	8278.6
10°	7954.8	7993.4	8043.5	8082.0	8139.9	8182.4	8224.8	8278.6	8301.8	8332.6	8363.6
12.5°	7923.9	7966.4	8020.4	8070.4	8136.0	8174.6	8228.5	8278.6	8313.4	8355.8	8390.6
15°	7877.8	7927.8	7977.9	8028.1	8097.4	8143.8	8193.9	8251.6	8286.4	8332.6	8363.6
17.5°	7804.5	7858.5	7904.7	7950.9	8016.5	8070.4	8116.8	8170.8	8205.5	8244.1	8286.4
20°	7715.7	7765.9	7816.0	7854.6	7920.1	7966.4	8016.5	8066.6	8093.6	8101.4	8166.9
22.5°	7604.0	7638.6	7677.1	7738.9	7777.5	7819.9	7866.2	7912.4	7939.4	7981.9	8004.9
25°	7418.8	7453.6	7495.9	7522.9	7569.2	7604.0	7650.2	7700.3	7715.7	7746.6	7769.7
27.5°	7160.5	7179.8	7199.1	7222.2	7249.0	7268.5	7295.4	7318.6	7334.0	7349.4	7364.8
30°	6751.7	6751.7	6751.7	6736.3	6747.9	6759.4	6763.3	6759.4	6759.4	6755.6	6755.6
32.5°	6211.9	6181.1	6146.3	6115.6	6104.0	6088.6	6080.8	6069.3	6050.0	6038.4	6042.3
35°	5483.1	5413.7	5371.3	5332.8	5302.0	5278.8	5267.2	5255.7	5251.8	5236.4	5220.9
37.5°	4573.2	4523.1	4492.2	4469.1	4442.1	4418.9	4422.7	4426.7	4438.1	4430.5	4434.3
40°	3609.1	3597.5	3609.1	3582.2	3574.4	3582.2	3601.4	3628.6	3643.9	3659.3	3686.3
42.5°	2745.5	2764.7	2791.8	2791.8	2803.2	2818.8	2841.8	2884.3	2907.3	2934.3	2965.3
45°	2066.7	2089.9	2124.7	2136.2	2143.9	2163.2	2190.3	2224.8	2240.2	2263.4	2290.4
47.5°	1592.6	1608.0	1627.1	1646.6	1665.7	1673.4	1700.4	1700.4	1719.8	1735.2	1742.8
50°	1241.7	1257.0	1272.4	1284.0	1291.7	1303.3	1311.0	1322.6	1326.4	1334.1	1338.0
52.5°	971.7	991.0	991.0	998.7	1010.2	1021.8	1018.0	1021.8	1025.7	1025.7	1037.2
55°	759.6	759.6	771.2	771.2	778.9	775.0	778.9	778.9	778.9	778.9	782.8
57.5°	566.8	570.7	582.3	574.5	570.7	578.4	570.7	578.4	574.5	582.3	570.7
60°	435.7	435.7	439.6	439.6	443.5	443.5	443.5	439.6	439.6	435.7	435.7
62.5°	327.7	331.5	335.5	331.5	331.5	331.5	327.7	327.7	323.9	320.0	320.0
65°	219.8	216.0	223.6	216.0	219.8	219.8	216.0	219.8	208.2	212.1	208.2
67.5°	158.1	154.2	150.4	154.2	150.4	146.5	146.5	150.4	154.2	142.6	142.6
70°	104.1	107.9	104.1	107.9	111.9	111.9	107.9	104.1	107.9	100.4	104.1
72.5°	65.6	65.6	65.6	65.6	65.6	69.4	69.4	69.4	61.8	61.8	57.8
75°	30.8	42.4	34.8	30.8	42.4	42.4	38.6	38.6	34.8	34.8	34.8
77.5°	30.8	23.2	23.2	23.2	23.2	23.2	23.2	23.2	19.2	23.2	19.2
80°	15.4	15.4	15.4	11.6	15.4	15.4	19.2	15.4	15.4	11.6	19.2
82.5°	7.8	7.8	7.8	0.0	3.8	7.8	7.8	3.8	7.8	7.8	3.8
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: P248855

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9
2.5°	7985.7	7981.9	7985.7	7989.5	7985.7	7981.9	7985.7	7989.5	7974.1	7970.3	7977.9
5°	8155.4	8155.4	8163.0	8166.9	8163.0	8155.4	8155.4	8139.9	8128.4	8116.8	8112.9
7.5°	8301.8	8309.6	8317.2	8321.1	8317.2	8309.6	8301.8	8278.6	8255.5	8236.4	8220.9
10°	8390.6	8402.2	8417.6	8425.1	8417.6	8402.2	8390.6	8363.6	8332.6	8301.8	8278.6
12.5°	8429.2	8440.8	8459.9	8456.2	8459.9	8440.8	8429.2	8390.6	8355.8	8313.4	8278.6
15°	8402.2	8417.6	8436.7	8444.6	8436.7	8417.6	8402.2	8363.6	8332.6	8286.4	8251.6
17.5°	8317.2	8340.4	8352.0	8363.6	8352.0	8340.4	8317.2	8286.4	8244.1	8205.5	8170.8
20°	8201.6	8217.1	8232.5	8236.4	8232.5	8217.1	8201.6	8166.9	8101.4	8093.6	8066.6
22.5°	8035.9	8047.5	8082.0	8070.4	8082.0	8047.5	8035.9	8004.9	7981.9	7939.4	7912.4
25°	7796.7	7808.3	7812.2	7816.0	7812.2	7808.3	7796.7	7769.7	7746.6	7715.7	7700.3
27.5°	7384.2	7384.2	7391.8	7395.8	7391.8	7384.2	7384.2	7364.8	7349.4	7334.0	7318.6
30°	6759.4	6759.4	6759.4	6778.8	6759.4	6759.4	6759.4	6755.6	6755.6	6759.4	6759.4
32.5°	6038.4	6030.7	6023.0	6030.7	6023.0	6030.7	6038.4	6042.3	6038.4	6050.0	6069.3
35°	5220.9	5217.1	5228.7	5213.2	5228.7	5217.1	5220.9	5220.9	5236.4	5251.8	5255.7
37.5°	4438.1	4430.5	4445.9	4430.5	4445.9	4430.5	4438.1	4434.3	4430.5	4438.1	4426.7
40°	3694.0	3701.7	3701.7	3732.6	3701.7	3701.7	3694.0	3686.3	3659.3	3643.9	3628.6
42.5°	2980.7	3003.9	2996.1	3019.2	2996.1	3003.9	2980.7	2965.3	2934.3	2907.3	2884.3
45°	2305.8	2321.3	2321.3	2329.0	2321.3	2321.3	2305.8	2290.4	2263.4	2240.2	2224.8
47.5°	1769.8	1769.8	1769.8	1773.8	1769.8	1769.8	1769.8	1742.8	1735.2	1719.8	1700.4
50°	1345.7	1349.6	1353.5	1357.3	1353.5	1349.6	1345.7	1338.0	1334.1	1326.4	1322.6
52.5°	1033.4	1037.2	1029.6	1037.2	1029.6	1037.2	1033.4	1037.2	1025.7	1025.7	1021.8
55°	782.8	778.9	782.8	786.6	782.8	778.9	782.8	782.8	778.9	778.9	778.9
57.5°	574.5	566.8	566.8	566.8	566.8	566.8	574.5	570.7	582.3	574.5	578.4
60°	428.1	431.9	431.9	435.7	431.9	431.9	428.1	435.7	435.7	439.6	439.6
62.5°	316.1	327.7	320.0	327.7	320.0	327.7	316.1	320.0	320.0	323.9	327.7
65°	204.4	204.4	204.4	208.2	204.4	204.4	204.4	208.2	212.1	208.2	219.8
67.5°	138.8	142.6	150.4	146.5	150.4	142.6	138.8	142.6	142.6	154.2	150.4
70°	111.9	100.4	100.4	111.9	100.4	100.4	111.9	104.1	100.4	107.9	104.1
72.5°	65.6	57.8	65.6	65.6	65.6	57.8	65.6	57.8	61.8	61.8	69.4
75°	34.8	30.8	27.0	38.6	27.0	30.8	34.8	34.8	34.8	34.8	38.6
77.5°	23.2	19.2	27.0	27.0	27.0	19.2	23.2	19.2	23.2	19.2	23.2
80°	11.6	15.4	11.6	19.2	11.6	15.4	11.6	19.2	11.6	15.4	15.4
82.5°	3.8	7.8	7.8	7.8	7.8	7.8	3.8	3.8	7.8	7.8	3.8
85°	0.0	7.8	3.8	3.8	3.8	7.8	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	0.0	0.0	3.8	0.0	0.0	3.8	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: P248855

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9
2.5°	7977.9	7966.4	7970.3	7947.1	7947.1	7939.4	7943.3	7923.9	7916.3	7908.5	7920.1
5°	8093.6	8074.5	8058.8	8024.3	8004.9	7981.9	7970.3	7939.4	7912.4	7889.2	7885.4
7.5°	8186.2	8143.8	8116.8	8070.4	8035.9	8008.9	7970.3	7927.8	7893.1	7862.2	7839.2
10°	8224.8	8182.4	8139.9	8082.0	8043.5	7993.4	7954.8	7900.8	7854.6	7812.2	7785.1
12.5°	8228.5	8174.6	8136.0	8070.4	8020.4	7966.4	7923.9	7862.2	7808.3	7765.9	7723.5
15°	8193.9	8143.8	8097.4	8028.1	7977.9	7927.8	7877.8	7812.2	7762.0	7711.9	7681.2
17.5°	8116.8	8070.4	8016.5	7950.9	7904.7	7858.5	7804.5	7750.5	7692.5	7638.6	7600.0
20°	8016.5	7966.4	7920.1	7854.6	7816.0	7765.9	7715.7	7658.0	7611.6	7557.6	7515.2
22.5°	7866.2	7819.9	7777.5	7738.9	7677.1	7638.6	7604.0	7538.4	7492.0	7442.0	7395.8
25°	7650.2	7604.0	7569.2	7522.9	7495.9	7453.6	7418.8	7361.0	7318.6	7272.2	7233.8
27.5°	7295.4	7268.5	7249.0	7222.2	7199.1	7179.8	7160.5	7114.2	7083.4	7041.0	7002.4
30°	6763.3	6759.4	6747.9	6736.3	6751.7	6751.7	6751.7	6744.0	6717.2	6686.1	6659.2
32.5°	6080.8	6088.6	6104.0	6115.6	6146.3	6181.1	6211.9	6227.3	6227.3	6208.1	6196.5
35°	5267.2	5278.8	5302.0	5332.8	5371.3	5413.7	5483.1	5498.7	5510.0	5510.0	5494.7
37.5°	4422.7	4418.9	4442.1	4469.1	4492.2	4523.1	4573.2	4584.8	4604.0	4596.4	4580.8
40°	3601.4	3582.2	3574.4	3582.2	3609.1	3597.5	3609.1	3601.4	3601.4	3574.4	3574.4
42.5°	2841.8	2818.8	2803.2	2791.8	2791.8	2764.7	2745.5	2726.2	2714.6	2695.3	2691.5
45°	2190.3	2163.2	2143.9	2136.2	2124.7	2089.9	2066.7	2043.6	2016.7	2009.0	2012.8
47.5°	1700.4	1673.4	1665.7	1646.6	1627.1	1608.0	1592.6	1565.6	1561.6	1546.2	1561.6
50°	1311.0	1303.3	1291.7	1284.0	1272.4	1257.0	1241.7	1226.2	1218.5	1218.5	1222.3
52.5°	1018.0	1021.8	1010.2	998.7	991.0	991.0	971.7	967.8	967.8	952.4	967.8
55°	778.9	775.0	778.9	771.2	771.2	759.6	759.6	748.0	748.0	736.4	744.2
57.5°	570.7	578.4	570.7	574.5	582.3	570.7	566.8	555.2	562.9	555.2	559.1
60°	443.5	443.5	443.5	439.6	439.6	435.7	435.7	431.9	431.9	424.1	431.9
62.5°	327.7	331.5	331.5	331.5	335.5	331.5	327.7	331.5	327.7	327.7	331.5
65°	216.0	219.8	219.8	216.0	223.6	216.0	219.8	223.6	227.5	223.6	227.5
67.5°	146.5	146.5	150.4	154.2	150.4	154.2	158.1	154.2	158.1	165.8	158.1
70°	107.9	111.9	111.9	107.9	104.1	107.9	104.1	115.6	115.6	115.6	123.3
72.5°	69.4	69.4	65.6	65.6	65.6	65.6	65.6	77.2	69.4	65.6	73.4
75°	38.6	42.4	42.4	30.8	34.8	42.4	30.8	34.8	46.4	38.6	46.4
77.5°	23.2	23.2	23.2	23.2	23.2	23.2	30.8	27.0	27.0	27.0	30.8
80°	19.2	15.4	15.4	11.6	15.4	15.4	15.4	23.2	19.2	19.2	23.2
82.5°	7.8	7.8	3.8	0.0	7.8	7.8	7.8	7.8	7.8	7.8	15.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	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: P248855

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9
2.5°	7889.2	7889.2	7885.4	7877.8	7862.2	7862.2	7858.5	7846.9	7839.2	7835.3	7835.3
5°	7850.6	7835.3	7819.9	7777.5	7777.5	7769.7	7746.6	7731.1	7723.5	7704.1	7696.6
7.5°	7816.0	7769.7	7742.7	7715.7	7681.2	7665.5	7638.6	7627.0	7600.0	7580.8	7569.2
10°	7731.1	7700.3	7665.5	7623.2	7596.2	7565.4	7534.5	7511.5	7476.8	7457.3	7442.0
12.5°	7673.4	7627.0	7596.2	7549.9	7503.6	7476.8	7434.3	7407.3	7372.6	7334.0	7310.8
15°	7619.4	7569.2	7526.8	7476.8	7426.6	7395.8	7345.6	7314.9	7264.7	7226.1	7199.1
17.5°	7538.4	7495.9	7449.8	7388.0	7341.8	7303.3	7249.0	7210.7	7164.3	7114.2	7087.2
20°	7453.6	7403.4	7357.2	7295.4	7249.0	7202.9	7148.9	7106.6	7052.5	7006.3	6975.4
22.5°	7341.8	7283.8	7245.3	7183.6	7129.6	7079.6	7029.4	6979.3	6929.1	6890.6	6855.9
25°	7179.8	7118.0	7075.6	7025.5	6975.4	6936.9	6875.2	6844.4	6794.2	6759.4	6724.7
27.5°	6948.3	6902.2	6863.6	6813.4	6771.0	6740.2	6694.0	6663.2	6620.6	6589.8	6562.8
30°	6609.2	6570.6	6535.8	6485.7	6454.9	6427.9	6385.4	6358.4	6327.6	6292.8	6285.3
32.5°	6154.1	6123.2	6088.6	6053.8	6030.7	6015.3	5980.5	5965.1	5934.3	5914.9	5895.8
35°	5467.7	5440.7	5421.5	5406.1	5398.3	5402.1	5394.5	5409.9	5417.6	5413.7	5417.6
37.5°	4569.4	4553.8	4561.7	4573.2	4611.7	4661.9	4708.1	4777.4	4823.8	4870.1	4912.5
40°	3566.8	3578.4	3609.1	3678.5	3778.9	3890.7	3994.9	4125.9	4257.0	4349.6	4434.3
42.5°	2691.5	2726.2	2803.2	2903.5	3053.9	3219.6	3381.8	3574.4	3732.6	3886.8	3994.9
45°	2024.4	2070.6	2170.9	2309.7	2475.5	2668.3	2872.7	3088.6	3277.6	3435.6	3555.2
47.5°	1577.1	1619.6	1719.8	1866.3	2070.6	2271.2	2483.2	2706.9	2903.5	3057.8	3161.9
50°	1245.4	1299.4	1388.1	1542.4	1746.8	1958.8	2178.7	2398.3	2583.6	2714.6	2807.2
52.5°	979.4	1029.6	1114.3	1276.4	1484.7	1696.6	1900.9	2116.9	2278.8	2406.2	2467.8
55°	759.6	805.9	894.5	1029.6	1226.2	1434.5	1638.7	1824.0	1974.3	2066.7	2124.7
57.5°	578.4	613.1	674.9	809.8	987.2	1179.9	1353.5	1538.6	1654.3	1719.8	1758.3
60°	439.6	466.6	532.1	636.3	798.2	964.0	1110.5	1249.4	1341.9	1395.9	1434.5
62.5°	331.5	362.5	408.7	497.4	620.8	755.8	879.1	983.2	1060.3	1095.1	1122.1
65°	227.5	250.6	285.4	354.7	458.9	555.2	651.7	728.8	778.9	817.5	833.0
67.5°	169.6	185.1	204.4	258.4	331.5	408.7	474.2	528.2	582.3	597.7	624.7
70°	127.2	138.8	158.1	196.6	239.1	293.0	347.1	377.9	416.5	443.5	451.2
72.5°	81.0	84.7	104.1	127.2	161.9	196.6	231.4	258.4	281.6	297.0	304.5
75°	46.4	69.4	69.4	92.5	115.6	131.1	154.2	173.5	185.1	196.6	196.6
77.5°	30.8	42.4	46.4	57.8	69.4	88.8	107.9	119.5	131.1	134.9	134.9
80°	27.0	30.8	30.8	42.4	50.2	65.6	77.2	81.0	88.8	92.5	100.4
82.5°	11.6	15.4	19.2	30.8	34.8	34.8	46.4	50.2	57.8	61.8	61.8
85°	3.8	7.8	7.8	11.6	19.2	23.2	27.0	30.8	34.8	34.8	38.6
87.5°	3.8	3.8	0.0	3.8	7.8	7.8	15.4	15.4	15.4	23.2	23.2
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: P248855

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9	7896.9
2.5°	7827.6	7831.5	7816.0	7812.2	7804.5	7808.3	7816.0
5°	7685.0	7688.7	7673.4	7658.0	7658.0	7653.9	7658.0
7.5°	7549.9	7553.8	7530.6	7522.9	7507.5	7511.5	7511.5
10°	7415.0	7415.0	7380.3	7376.4	7364.8	7361.0	7361.0
12.5°	7283.8	7272.2	7245.3	7229.9	7237.7	7214.5	7214.5
15°	7168.2	7148.9	7114.2	7102.6	7083.4	7075.6	7075.6
17.5°	7048.7	7033.3	7002.4	6979.3	6956.1	6952.3	6956.1
20°	6932.9	6917.5	6879.0	6863.6	6844.4	6844.4	6836.6
22.5°	6817.3	6801.9	6767.2	6755.6	6728.7	6728.7	6732.4
25°	6697.7	6686.1	6647.6	6640.0	6636.2	6620.6	6628.4
27.5°	6535.8	6528.0	6497.3	6485.7	6470.3	6466.5	6474.2
30°	6238.9	6227.3	6204.3	6192.7	6165.7	6169.5	6177.2
32.5°	5868.8	5853.4	5822.4	5810.8	5787.8	5780.0	5783.8
35°	5406.1	5394.5	5367.6	5367.6	5344.4	5336.6	5344.4
37.5°	4935.7	4947.1	4935.7	4947.1	4935.7	4931.8	4935.7
40°	4492.2	4534.7	4542.2	4584.8	4569.4	4592.4	4588.5
42.5°	4068.0	4137.4	4164.5	4199.1	4191.5	4206.8	4218.4
45°	3639.9	3697.9	3724.9	3748.0	3751.9	3759.6	3763.5
47.5°	3235.0	3281.4	3285.2	3312.2	3308.4	3308.4	3320.0
50°	2857.3	2888.1	2895.8	2915.1	2899.7	2891.9	2895.8
52.5°	2506.4	2537.2	2529.5	2537.2	2518.0	2510.2	2514.0
55°	2147.7	2163.2	2163.2	2163.2	2140.1	2140.1	2140.1
57.5°	1781.4	1785.4	1777.6	1781.4	1777.6	1754.4	1750.6
60°	1446.1	1446.1	1442.0	1446.1	1434.5	1422.9	1422.9
62.5°	1129.7	1137.5	1152.9	1137.5	1129.7	1137.5	1125.9
65°	844.5	860.0	855.9	863.8	860.0	860.0	852.2
67.5°	636.3	640.1	643.9	647.9	647.9	647.9	647.9
70°	466.6	478.2	474.2	474.2	474.2	474.2	497.4
72.5°	312.3	327.7	323.9	331.5	331.5	339.3	331.5
75°	212.1	227.5	219.8	231.4	227.5	219.8	239.1
77.5°	142.6	150.4	154.2	158.1	154.2	150.4	154.2
80°	100.4	107.9	104.1	107.9	107.9	107.9	111.9
82.5°	61.8	73.4	69.4	73.4	69.4	73.4	73.4
85°	42.4	46.4	38.6	46.4	42.4	42.4	50.2
87.5°	27.0	23.2	23.2	27.0	23.2	27.0	23.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)