

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: P248643

Luminaire Tested: **LD8B80D010 ER8B809730 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248643
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: LD8B80D010 ER8B809730 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6166.0 lumens
Efficiency: N/A
Efficacy: 82.9 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

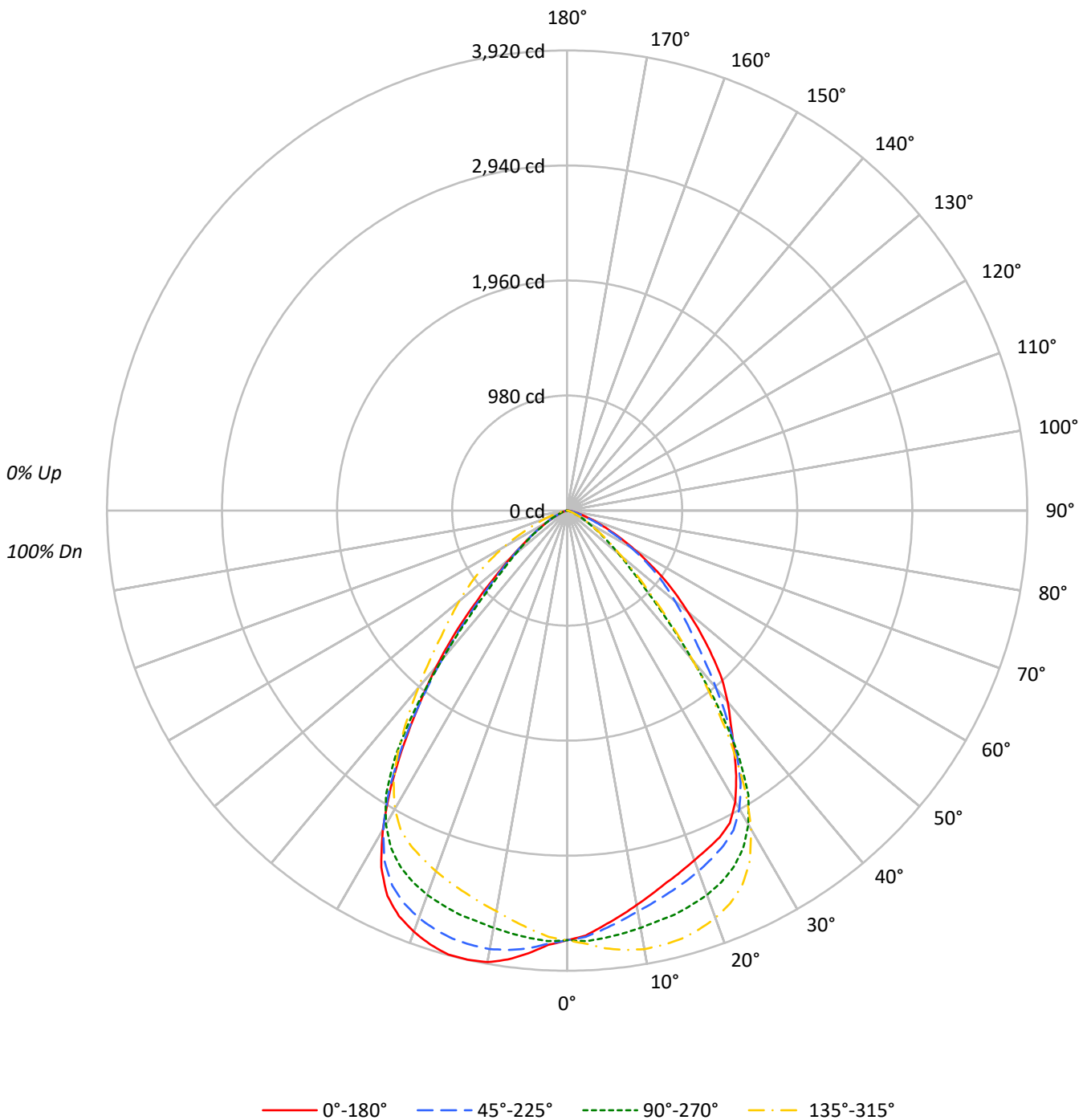
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	348.4	5.7
10°-20°	1008.9	16.4
20°-30°	1527.8	24.8
30°-40°	1531.2	24.8
40°-50°	961.5	15.6
50°-60°	512.4	8.3
60°-70°	210.7	3.4
70°-80°	55.7	0.9
80°-90°	9.4	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°	2885.1	46.8
0°-40°	4416.3	71.6
0°-60°	5890.2	95.5
0°-90°	6166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6166.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3661	3661	3661	3661	3661	
5°	3550	3655	3786	3655	3550	335
15°	3280	3560	3914	3560	3280	928
25°	3072	3353	3623	3353	3072	1409
35°	2477	2547	2417	2547	2477	1552
45°	1744	933	1080	933	1744	1342
55°	992	345	365	345	992	884
65°	395	105	96	105	395	410
75°	111	22	18	22	111	126
85°	23	0	2	0	23	26
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°	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6
2.5°	3623.0	3619.4	3617.7	3621.3	3623.0	3630.2	3628.4	3631.9	3631.9	3633.8	3637.3
5°	3549.8	3547.9	3549.8	3549.8	3556.9	3564.0	3562.3	3567.6	3571.2	3580.1	3583.7
7.5°	3481.9	3481.9	3480.0	3487.2	3490.8	3501.5	3499.7	3508.6	3514.0	3522.9	3535.4
10°	3412.1	3412.1	3413.9	3419.2	3421.1	3437.1	3437.1	3449.6	3456.8	3465.7	3481.9
12.5°	3344.2	3344.2	3354.9	3351.3	3358.5	3371.0	3376.4	3388.9	3399.6	3417.5	3433.6
15°	3279.8	3279.8	3283.4	3292.3	3297.7	3313.8	3322.7	3337.1	3349.6	3367.5	3390.7
17.5°	3224.4	3222.7	3224.4	3235.2	3245.9	3260.2	3267.3	3285.2	3297.7	3321.0	3342.4
20°	3169.0	3172.6	3172.6	3181.5	3188.7	3206.6	3213.7	3233.4	3247.7	3269.1	3294.2
22.5°	3120.8	3119.0	3119.0	3131.5	3136.9	3152.9	3160.1	3177.9	3194.1	3211.9	3235.2
25°	3072.5	3068.9	3076.1	3077.9	3081.4	3099.3	3104.7	3117.2	3133.3	3149.4	3172.6
27.5°	3001.0	2997.5	2999.2	3006.4	3011.7	3026.0	3029.6	3042.1	3054.6	3068.9	3088.6
30°	2863.4	2859.8	2858.1	2870.6	2875.9	2886.6	2892.0	2913.5	2917.0	2933.1	2947.4
32.5°	2681.0	2679.3	2682.9	2693.6	2698.9	2713.3	2720.4	2732.9	2741.8	2750.8	2765.1
35°	2477.3	2473.7	2477.3	2488.1	2488.1	2500.6	2505.9	2511.2	2509.5	2511.2	2507.7
37.5°	2287.9	2286.0	2287.9	2293.2	2287.9	2293.2	2287.9	2277.1	2257.5	2236.0	2214.5
40°	2127.0	2128.8	2118.1	2125.2	2105.5	2102.0	2082.3	2055.5	2016.2	1973.3	1912.5
42.5°	1955.4	1950.1	1942.9	1946.4	1930.4	1917.8	1885.7	1851.8	1801.7	1730.2	1656.9
45°	1744.5	1742.7	1739.1	1737.4	1726.6	1714.1	1687.3	1648.0	1592.6	1519.3	1431.7
47.5°	1538.9	1533.6	1533.6	1535.3	1522.8	1521.1	1499.6	1465.7	1417.4	1345.9	1254.7
50°	1342.3	1340.5	1344.1	1351.3	1342.3	1338.8	1324.5	1301.2	1258.3	1197.6	1111.7
52.5°	1165.4	1163.6	1167.2	1176.1	1172.5	1176.1	1161.8	1143.9	1115.3	1056.3	981.3
55°	992.0	992.0	992.0	1002.7	1002.7	1002.7	995.6	984.9	958.0	915.1	845.5
57.5°	811.5	813.2	824.0	825.8	824.0	827.6	825.8	815.0	797.2	766.8	713.2
60°	659.6	659.6	664.9	670.3	668.5	670.3	670.3	664.9	647.0	622.0	579.1
62.5°	521.9	527.3	523.7	527.3	534.4	527.3	523.7	520.1	507.6	491.5	455.8
65°	395.0	398.6	398.6	400.4	396.8	398.6	391.5	386.1	379.0	361.1	337.8
67.5°	300.3	300.3	300.3	300.3	298.5	296.7	294.9	289.6	277.1	269.9	244.8
70°	230.6	219.8	219.8	219.8	219.8	221.7	216.3	209.2	205.6	193.0	175.2
72.5°	153.7	157.3	153.7	153.7	150.2	151.9	144.8	141.2	137.6	130.5	119.8
75°	110.8	101.9	105.4	107.3	101.9	105.4	98.3	91.2	91.2	85.8	80.4
77.5°	71.5	69.7	71.5	73.3	71.5	69.7	66.1	62.5	62.5	60.8	55.4
80°	51.9	50.0	50.0	50.0	48.3	50.0	46.5	46.5	42.9	41.1	37.5
82.5°	34.0	34.0	32.2	34.0	32.2	34.0	28.6	28.6	28.6	26.8	23.2
85°	23.2	19.6	19.6	21.5	17.9	21.5	19.6	17.9	16.1	16.1	14.3
87.5°	10.7	12.5	10.7	12.5	10.7	10.7	12.5	10.7	10.7	7.1	7.1
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°	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6
2.5°	3642.7	3644.4	3644.4	3651.7	3655.2	3657.0	3657.0	3671.3	3665.9	3669.5	3673.1
5°	3590.9	3601.6	3605.2	3605.2	3624.8	3631.9	3639.1	3655.2	3657.0	3667.7	3680.2
7.5°	3540.8	3553.3	3560.5	3576.5	3589.0	3601.6	3623.0	3633.8	3644.4	3658.8	3674.8
10°	3492.5	3506.9	3521.1	3533.7	3553.3	3569.4	3583.7	3608.7	3621.3	3640.9	3662.3
12.5°	3446.1	3465.7	3478.3	3499.7	3521.1	3535.4	3556.9	3580.1	3599.8	3619.4	3644.4
15°	3405.0	3428.2	3442.5	3465.7	3489.0	3508.6	3531.9	3560.5	3574.8	3598.0	3621.3
17.5°	3360.2	3385.3	3403.2	3424.6	3453.2	3474.6	3494.4	3522.9	3540.8	3565.8	3592.7
20°	3313.8	3338.8	3360.2	3381.7	3410.3	3431.8	3455.0	3483.6	3503.3	3528.3	3549.8
22.5°	3258.4	3281.7	3304.8	3329.9	3358.5	3376.4	3403.2	3428.2	3449.6	3472.9	3494.4
25°	3186.9	3215.5	3233.4	3256.6	3279.8	3299.5	3328.1	3353.1	3371.0	3392.5	3412.1
27.5°	3102.9	3124.4	3138.7	3158.3	3181.5	3199.4	3220.8	3245.9	3263.8	3283.4	3297.7
30°	2959.9	2979.6	2992.1	3006.4	3029.6	3045.7	3063.6	3086.8	3099.3	3113.6	3126.1
32.5°	2772.2	2788.3	2795.4	2806.2	2822.3	2838.3	2852.7	2872.3	2877.7	2886.6	2886.6
35°	2500.6	2504.1	2502.3	2505.9	2513.1	2522.0	2534.5	2547.0	2554.1	2554.1	2548.8
37.5°	2182.4	2161.0	2137.7	2119.9	2114.5	2110.9	2118.1	2123.4	2130.6	2134.1	2125.2
40°	1851.8	1803.5	1751.6	1705.1	1673.0	1658.7	1653.3	1656.9	1656.9	1669.4	1669.4
42.5°	1567.6	1492.4	1415.6	1345.9	1299.4	1263.7	1247.6	1247.6	1249.4	1258.3	1263.7
45°	1331.6	1236.9	1147.5	1070.7	1006.3	959.8	938.4	933.0	931.3	934.8	947.3
47.5°	1151.1	1052.8	959.8	865.1	797.2	750.7	731.1	723.9	716.7	723.9	725.7
50°	1009.9	908.0	809.7	715.0	643.4	602.3	577.3	566.6	564.8	564.8	568.4
52.5°	881.2	786.5	688.2	591.7	516.5	477.2	454.0	448.6	441.5	448.6	448.6
55°	759.6	664.9	568.4	477.2	414.6	373.6	352.1	345.0	341.4	346.7	346.7
57.5°	627.4	546.9	457.6	375.4	312.8	284.2	268.1	259.2	257.3	261.0	257.3
60°	514.8	446.9	370.0	294.9	246.7	216.3	203.8	200.2	196.6	200.2	200.2
62.5°	407.5	350.3	287.7	230.6	189.4	168.0	153.7	153.7	151.9	151.9	153.7
65°	302.1	257.3	212.7	164.4	132.3	116.2	105.4	105.4	103.7	105.4	103.7
67.5°	219.8	189.4	153.7	119.8	94.8	85.8	78.6	73.3	76.9	73.3	71.5
70°	160.9	135.8	110.8	91.2	73.3	64.4	59.0	57.2	53.6	53.6	53.6
72.5°	107.3	91.2	75.0	59.0	48.3	39.3	37.5	34.0	30.4	32.2	35.8
75°	71.5	60.8	53.6	42.9	32.2	32.2	21.5	21.5	17.9	21.5	16.1
77.5°	50.0	41.1	32.2	26.8	21.5	19.6	14.3	14.3	12.5	12.5	12.5
80°	35.8	30.4	23.2	19.6	14.3	14.3	12.5	10.7	8.9	8.9	10.7
82.5°	21.5	16.1	16.1	14.3	8.9	7.1	5.4	7.1	3.6	3.6	3.6
85°	12.5	10.7	8.9	5.4	3.6	3.6	1.8	0.0	1.8	1.8	0.0
87.5°	7.1	3.6	3.6	1.8	0.0	1.8	1.8	0.0	0.0	0.0	3.6
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°	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6
2.5°	3682.0	3680.2	3683.8	3683.8	3694.5	3692.7	3698.1	3698.1	3694.5	3696.3	3703.5
5°	3694.5	3699.9	3710.6	3719.6	3735.6	3742.8	3751.7	3760.7	3762.5	3767.8	3773.2
7.5°	3694.5	3712.4	3724.9	3741.0	3762.5	3775.0	3794.6	3810.7	3817.9	3826.8	3837.5
10°	3687.3	3705.2	3728.5	3746.3	3773.2	3792.8	3812.5	3837.5	3848.2	3862.5	3876.9
12.5°	3673.1	3692.7	3717.7	3741.0	3771.4	3789.2	3814.2	3837.5	3853.6	3873.3	3889.4
15°	3651.7	3674.8	3698.1	3721.3	3753.5	3775.0	3798.2	3825.0	3841.1	3862.5	3876.9
17.5°	3617.7	3642.7	3664.2	3685.6	3716.0	3741.0	3762.5	3787.5	3803.6	3821.5	3841.1
20°	3576.5	3599.8	3623.0	3640.9	3671.3	3692.7	3716.0	3739.2	3751.7	3755.3	3785.7
22.5°	3524.7	3540.8	3558.7	3587.3	3605.2	3624.8	3646.3	3667.7	3680.2	3699.9	3710.6
25°	3438.9	3455.0	3474.6	3487.2	3508.6	3524.7	3546.2	3569.4	3576.5	3590.9	3601.6
27.5°	3319.2	3328.1	3337.1	3347.7	3360.2	3369.2	3381.7	3392.5	3399.6	3406.7	3413.9
30°	3129.7	3129.7	3129.7	3122.5	3127.9	3133.3	3135.0	3133.3	3133.3	3131.5	3131.5
32.5°	2879.5	2865.2	2849.1	2834.8	2829.4	2822.3	2818.7	2813.3	2804.4	2799.1	2800.8
35°	2541.6	2509.5	2489.8	2472.0	2457.7	2446.9	2441.6	2436.2	2434.4	2427.3	2420.1
37.5°	2119.9	2096.6	2082.3	2071.6	2059.1	2048.3	2050.1	2051.9	2057.2	2053.7	2055.5
40°	1673.0	1667.6	1673.0	1660.5	1656.9	1660.5	1669.4	1682.0	1689.1	1696.2	1708.7
42.5°	1272.6	1281.5	1294.1	1294.1	1299.4	1306.6	1317.3	1337.0	1347.7	1360.2	1374.5
45°	958.0	968.8	984.9	990.2	993.8	1002.7	1015.3	1031.3	1038.4	1049.2	1061.7
47.5°	738.2	745.3	754.2	763.2	772.1	775.7	788.2	788.2	797.2	804.3	807.9
50°	575.5	582.7	589.8	595.2	598.8	604.2	607.7	613.1	614.8	618.4	620.2
52.5°	450.4	459.4	459.4	462.9	468.3	473.6	471.9	473.6	475.4	475.4	480.8
55°	352.1	352.1	357.5	357.5	361.1	359.2	361.1	361.1	361.1	361.1	362.8
57.5°	262.7	264.6	269.9	266.3	264.6	268.1	264.6	268.1	266.3	269.9	264.6
60°	202.0	202.0	203.8	203.8	205.6	205.6	205.6	203.8	203.8	202.0	202.0
62.5°	151.9	153.7	155.5	153.7	153.7	153.7	151.9	151.9	150.2	148.3	148.3
65°	101.9	100.1	103.7	100.1	101.9	101.9	100.1	101.9	96.5	98.3	96.5
67.5°	73.3	71.5	69.7	71.5	69.7	67.9	67.9	69.7	71.5	66.1	66.1
70°	48.3	50.0	48.3	50.0	51.9	51.9	50.0	48.3	50.0	46.5	48.3
72.5°	30.4	30.4	30.4	30.4	30.4	32.2	32.2	32.2	28.6	28.6	26.8
75°	14.3	19.6	16.1	14.3	19.6	19.6	17.9	17.9	16.1	16.1	16.1
77.5°	14.3	10.7	10.7	10.7	10.7	10.7	10.7	10.7	8.9	10.7	8.9
80°	7.1	7.1	7.1	5.4	7.1	7.1	8.9	7.1	7.1	5.4	8.9
82.5°	3.6	3.6	3.6	0.0	1.8	3.6	3.6	1.8	3.6	3.6	1.8
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: P248643

CATALOG NUMBER: LD8B80D010 ER8B809730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6
2.5°	3701.7	3699.9	3701.7	3703.5	3701.7	3699.9	3701.7	3703.5	3696.3	3694.5	3698.1
5°	3780.3	3780.3	3783.9	3785.7	3783.9	3780.3	3780.3	3773.2	3767.8	3762.5	3760.7
7.5°	3848.2	3851.8	3855.4	3857.1	3855.4	3851.8	3848.2	3837.5	3826.8	3817.9	3810.7
10°	3889.4	3894.7	3901.9	3905.4	3901.9	3894.7	3889.4	3876.9	3862.5	3848.2	3837.5
12.5°	3907.2	3912.6	3921.5	3919.7	3921.5	3912.6	3907.2	3889.4	3873.3	3853.6	3837.5
15°	3894.7	3901.9	3910.8	3914.4	3910.8	3901.9	3894.7	3876.9	3862.5	3841.1	3825.0
17.5°	3855.4	3866.1	3871.5	3876.9	3871.5	3866.1	3855.4	3841.1	3821.5	3803.6	3787.5
20°	3801.7	3809.0	3816.1	3817.9	3816.1	3809.0	3801.7	3785.7	3755.3	3751.7	3739.2
22.5°	3724.9	3730.3	3746.3	3741.0	3746.3	3730.3	3724.9	3710.6	3699.9	3680.2	3667.7
25°	3614.1	3619.4	3621.3	3623.0	3621.3	3619.4	3614.1	3601.6	3590.9	3576.5	3569.4
27.5°	3422.9	3422.9	3426.4	3428.2	3426.4	3422.9	3422.9	3413.9	3406.7	3399.6	3392.5
30°	3133.3	3133.3	3133.3	3142.3	3133.3	3133.3	3133.3	3131.5	3131.5	3133.3	3133.3
32.5°	2799.1	2795.4	2791.9	2795.4	2791.9	2795.4	2799.1	2800.8	2799.1	2804.4	2813.3
35°	2420.1	2418.3	2423.7	2416.6	2423.7	2418.3	2420.1	2420.1	2427.3	2434.4	2436.2
37.5°	2057.2	2053.7	2060.8	2053.7	2060.8	2053.7	2057.2	2055.5	2053.7	2057.2	2051.9
40°	1712.3	1715.9	1715.9	1730.2	1715.9	1715.9	1712.3	1708.7	1696.2	1689.1	1682.0
42.5°	1381.6	1392.4	1388.8	1399.5	1388.8	1392.4	1381.6	1374.5	1360.2	1347.7	1337.0
45°	1068.8	1076.0	1076.0	1079.6	1076.0	1076.0	1068.8	1061.7	1049.2	1038.4	1031.3
47.5°	820.4	820.4	820.4	822.2	820.4	820.4	820.4	807.9	804.3	797.2	788.2
50°	623.8	625.6	627.4	629.2	627.4	625.6	623.8	620.2	618.4	614.8	613.1
52.5°	479.0	480.8	477.2	480.8	477.2	480.8	479.0	480.8	475.4	475.4	473.6
55°	362.8	361.1	362.8	364.6	362.8	361.1	362.8	362.8	361.1	361.1	361.1
57.5°	266.3	262.7	262.7	262.7	262.7	262.7	266.3	264.6	269.9	266.3	268.1
60°	198.4	200.2	200.2	202.0	200.2	200.2	198.4	202.0	202.0	203.8	203.8
62.5°	146.6	151.9	148.3	151.9	148.3	151.9	146.6	148.3	148.3	150.2	151.9
65°	94.8	94.8	94.8	96.5	94.8	94.8	94.8	96.5	98.3	96.5	101.9
67.5°	64.4	66.1	69.7	67.9	69.7	66.1	64.4	66.1	66.1	71.5	69.7
70°	51.9	46.5	46.5	51.9	46.5	46.5	51.9	48.3	46.5	50.0	48.3
72.5°	30.4	26.8	30.4	30.4	30.4	26.8	30.4	26.8	28.6	28.6	32.2
75°	16.1	14.3	12.5	17.9	12.5	14.3	16.1	16.1	16.1	16.1	17.9
77.5°	10.7	8.9	12.5	12.5	12.5	8.9	10.7	8.9	10.7	8.9	10.7
80°	5.4	7.1	5.4	8.9	5.4	7.1	5.4	8.9	5.4	7.1	7.1
82.5°	1.8	3.6	3.6	3.6	3.6	3.6	1.8	1.8	3.6	3.6	1.8
85°	0.0	3.6	1.8	1.8	1.8	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.0	0.0	1.8	0.0	0.0	1.8	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: P248643

CATALOG NUMBER: LD8B80D010 ER8B809730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6
2.5°	3698.1	3692.7	3694.5	3683.8	3683.8	3680.2	3682.0	3673.1	3669.5	3665.9	3671.3
5°	3751.7	3742.8	3735.6	3719.6	3710.6	3699.9	3694.5	3680.2	3667.7	3657.0	3655.2
7.5°	3794.6	3775.0	3762.5	3741.0	3724.9	3712.4	3694.5	3674.8	3658.8	3644.4	3633.8
10°	3812.5	3792.8	3773.2	3746.3	3728.5	3705.2	3687.3	3662.3	3640.9	3621.3	3608.7
12.5°	3814.2	3789.2	3771.4	3741.0	3717.7	3692.7	3673.1	3644.4	3619.4	3599.8	3580.1
15°	3798.2	3775.0	3753.5	3721.3	3698.1	3674.8	3651.7	3621.3	3598.0	3574.8	3560.5
17.5°	3762.5	3741.0	3716.0	3685.6	3664.2	3642.7	3617.7	3592.7	3565.8	3540.8	3522.9
20°	3716.0	3692.7	3671.3	3640.9	3623.0	3599.8	3576.5	3549.8	3528.3	3503.3	3483.6
22.5°	3646.3	3624.8	3605.2	3587.3	3558.7	3540.8	3524.7	3494.4	3472.9	3449.6	3428.2
25°	3546.2	3524.7	3508.6	3487.2	3474.6	3455.0	3438.9	3412.1	3392.5	3371.0	3353.1
27.5°	3381.7	3369.2	3360.2	3347.7	3337.1	3328.1	3319.2	3297.7	3283.4	3263.8	3245.9
30°	3135.0	3133.3	3127.9	3122.5	3129.7	3129.7	3129.7	3126.1	3113.6	3099.3	3086.8
32.5°	2818.7	2822.3	2829.4	2834.8	2849.1	2865.2	2879.5	2886.6	2886.6	2877.7	2872.3
35°	2441.6	2446.9	2457.7	2472.0	2489.8	2509.5	2541.6	2548.8	2554.1	2554.1	2547.0
37.5°	2050.1	2048.3	2059.1	2071.6	2082.3	2096.6	2119.9	2125.2	2134.1	2130.6	2123.4
40°	1669.4	1660.5	1656.9	1660.5	1673.0	1667.6	1673.0	1669.4	1669.4	1656.9	1656.9
42.5°	1317.3	1306.6	1299.4	1294.1	1294.1	1281.5	1272.6	1263.7	1258.3	1249.4	1247.6
45°	1015.3	1002.7	993.8	990.2	984.9	968.8	958.0	947.3	934.8	931.3	933.0
47.5°	788.2	775.7	772.1	763.2	754.2	745.3	738.2	725.7	723.9	716.7	723.9
50°	607.7	604.2	598.8	595.2	589.8	582.7	575.5	568.4	564.8	564.8	566.6
52.5°	471.9	473.6	468.3	462.9	459.4	459.4	450.4	448.6	448.6	441.5	448.6
55°	361.1	359.2	361.1	357.5	357.5	352.1	352.1	346.7	346.7	341.4	345.0
57.5°	264.6	268.1	264.6	266.3	269.9	264.6	262.7	257.3	261.0	257.3	259.2
60°	205.6	205.6	205.6	203.8	203.8	202.0	202.0	200.2	200.2	196.6	200.2
62.5°	151.9	153.7	153.7	153.7	155.5	153.7	151.9	153.7	151.9	151.9	153.7
65°	100.1	101.9	101.9	100.1	103.7	100.1	101.9	103.7	105.4	103.7	105.4
67.5°	67.9	67.9	69.7	71.5	69.7	71.5	73.3	71.5	73.3	76.9	73.3
70°	50.0	51.9	51.9	50.0	48.3	50.0	48.3	53.6	53.6	53.6	57.2
72.5°	32.2	32.2	30.4	30.4	30.4	30.4	30.4	35.8	32.2	30.4	34.0
75°	17.9	19.6	19.6	14.3	16.1	19.6	14.3	16.1	21.5	17.9	21.5
77.5°	10.7	10.7	10.7	10.7	10.7	10.7	14.3	12.5	12.5	12.5	14.3
80°	8.9	7.1	7.1	5.4	7.1	7.1	7.1	10.7	8.9	8.9	10.7
82.5°	3.6	3.6	1.8	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	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: P248643

CATALOG NUMBER: LD8B80D010 ER8B809730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6
2.5°	3657.0	3657.0	3655.2	3651.7	3644.4	3644.4	3642.7	3637.3	3633.8	3631.9	3631.9
5°	3639.1	3631.9	3624.8	3605.2	3605.2	3601.6	3590.9	3583.7	3580.1	3571.2	3567.6
7.5°	3623.0	3601.6	3589.0	3576.5	3560.5	3553.3	3540.8	3535.4	3522.9	3514.0	3508.6
10°	3583.7	3569.4	3553.3	3533.7	3521.1	3506.9	3492.5	3481.9	3465.7	3456.8	3449.6
12.5°	3556.9	3535.4	3521.1	3499.7	3478.3	3465.7	3446.1	3433.6	3417.5	3399.6	3388.9
15°	3531.9	3508.6	3489.0	3465.7	3442.5	3428.2	3405.0	3390.7	3367.5	3349.6	3337.1
17.5°	3494.4	3474.6	3453.2	3424.6	3403.2	3385.3	3360.2	3342.4	3321.0	3297.7	3285.2
20°	3455.0	3431.8	3410.3	3381.7	3360.2	3338.8	3313.8	3294.2	3269.1	3247.7	3233.4
22.5°	3403.2	3376.4	3358.5	3329.9	3304.8	3281.7	3258.4	3235.2	3211.9	3194.1	3177.9
25°	3328.1	3299.5	3279.8	3256.6	3233.4	3215.5	3186.9	3172.6	3149.4	3133.3	3117.2
27.5°	3220.8	3199.4	3181.5	3158.3	3138.7	3124.4	3102.9	3088.6	3068.9	3054.6	3042.1
30°	3063.6	3045.7	3029.6	3006.4	2992.1	2979.6	2959.9	2947.4	2933.1	2917.0	2913.5
32.5°	2852.7	2838.3	2822.3	2806.2	2795.4	2788.3	2772.2	2765.1	2750.8	2741.8	2732.9
35°	2534.5	2522.0	2513.1	2505.9	2502.3	2504.1	2500.6	2507.7	2511.2	2509.5	2511.2
37.5°	2118.1	2110.9	2114.5	2119.9	2137.7	2161.0	2182.4	2214.5	2236.0	2257.5	2277.1
40°	1653.3	1658.7	1673.0	1705.1	1751.6	1803.5	1851.8	1912.5	1973.3	2016.2	2055.5
42.5°	1247.6	1263.7	1299.4	1345.9	1415.6	1492.4	1567.6	1656.9	1730.2	1801.7	1851.8
45°	938.4	959.8	1006.3	1070.7	1147.5	1236.9	1331.6	1431.7	1519.3	1592.6	1648.0
47.5°	731.1	750.7	797.2	865.1	959.8	1052.8	1151.1	1254.7	1345.9	1417.4	1465.7
50°	577.3	602.3	643.4	715.0	809.7	908.0	1009.9	1111.7	1197.6	1258.3	1301.2
52.5°	454.0	477.2	516.5	591.7	688.2	786.5	881.2	981.3	1056.3	1115.3	1143.9
55°	352.1	373.6	414.6	477.2	568.4	664.9	759.6	845.5	915.1	958.0	984.9
57.5°	268.1	284.2	312.8	375.4	457.6	546.9	627.4	713.2	766.8	797.2	815.0
60°	203.8	216.3	246.7	294.9	370.0	446.9	514.8	579.1	622.0	647.0	664.9
62.5°	153.7	168.0	189.4	230.6	287.7	350.3	407.5	455.8	491.5	507.6	520.1
65°	105.4	116.2	132.3	164.4	212.7	257.3	302.1	337.8	361.1	379.0	386.1
67.5°	78.6	85.8	94.8	119.8	153.7	189.4	219.8	244.8	269.9	277.1	289.6
70°	59.0	64.4	73.3	91.2	110.8	135.8	160.9	175.2	193.0	205.6	209.2
72.5°	37.5	39.3	48.3	59.0	75.0	91.2	107.3	119.8	130.5	137.6	141.2
75°	21.5	32.2	32.2	42.9	53.6	60.8	71.5	80.4	85.8	91.2	91.2
77.5°	14.3	19.6	21.5	26.8	32.2	41.1	50.0	55.4	60.8	62.5	62.5
80°	12.5	14.3	14.3	19.6	23.2	30.4	35.8	37.5	41.1	42.9	46.5
82.5°	5.4	7.1	8.9	14.3	16.1	16.1	21.5	23.2	26.8	28.6	28.6
85°	1.8	3.6	3.6	5.4	8.9	10.7	12.5	14.3	16.1	16.1	17.9
87.5°	1.8	1.8	0.0	1.8	3.6	3.6	7.1	7.1	7.1	10.7	10.7
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: P248643

CATALOG NUMBER: LD8B80D010 ER8B809730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6	3660.6
2.5°	3628.4	3630.2	3623.0	3621.3	3617.7	3619.4	3623.0
5°	3562.3	3564.0	3556.9	3549.8	3549.8	3547.9	3549.8
7.5°	3499.7	3501.5	3490.8	3487.2	3480.0	3481.9	3481.9
10°	3437.1	3437.1	3421.1	3419.2	3413.9	3412.1	3412.1
12.5°	3376.4	3371.0	3358.5	3351.3	3354.9	3344.2	3344.2
15°	3322.7	3313.8	3297.7	3292.3	3283.4	3279.8	3279.8
17.5°	3267.3	3260.2	3245.9	3235.2	3224.4	3222.7	3224.4
20°	3213.7	3206.6	3188.7	3181.5	3172.6	3172.6	3169.0
22.5°	3160.1	3152.9	3136.9	3131.5	3119.0	3119.0	3120.8
25°	3104.7	3099.3	3081.4	3077.9	3076.1	3068.9	3072.5
27.5°	3029.6	3026.0	3011.7	3006.4	2999.2	2997.5	3001.0
30°	2892.0	2886.6	2875.9	2870.6	2858.1	2859.8	2863.4
32.5°	2720.4	2713.3	2698.9	2693.6	2682.9	2679.3	2681.0
35°	2505.9	2500.6	2488.1	2488.1	2477.3	2473.7	2477.3
37.5°	2287.9	2293.2	2287.9	2293.2	2287.9	2286.0	2287.9
40°	2082.3	2102.0	2105.5	2125.2	2118.1	2128.8	2127.0
42.5°	1885.7	1917.8	1930.4	1946.4	1942.9	1950.1	1955.4
45°	1687.3	1714.1	1726.6	1737.4	1739.1	1742.7	1744.5
47.5°	1499.6	1521.1	1522.8	1535.3	1533.6	1533.6	1538.9
50°	1324.5	1338.8	1342.3	1351.3	1344.1	1340.5	1342.3
52.5°	1161.8	1176.1	1172.5	1176.1	1167.2	1163.6	1165.4
55°	995.6	1002.7	1002.7	1002.7	992.0	992.0	992.0
57.5°	825.8	827.6	824.0	825.8	824.0	813.2	811.5
60°	670.3	670.3	668.5	670.3	664.9	659.6	659.6
62.5°	523.7	527.3	534.4	527.3	523.7	527.3	521.9
65°	391.5	398.6	396.8	400.4	398.6	398.6	395.0
67.5°	294.9	296.7	298.5	300.3	300.3	300.3	300.3
70°	216.3	221.7	219.8	219.8	219.8	219.8	230.6
72.5°	144.8	151.9	150.2	153.7	153.7	157.3	153.7
75°	98.3	105.4	101.9	107.3	105.4	101.9	110.8
77.5°	66.1	69.7	71.5	73.3	71.5	69.7	71.5
80°	46.5	50.0	48.3	50.0	50.0	50.0	51.9
82.5°	28.6	34.0	32.2	34.0	32.2	34.0	34.0
85°	19.6	21.5	17.9	21.5	19.6	19.6	23.2
87.5°	12.5	10.7	10.7	12.5	10.7	12.5	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)