

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: P248961

Luminaire Tested: **LD8B120D010 ER8B1209727 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248961
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: LD8B120D010 ER8B1209727 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6560.0 lumens
Efficiency: N/A
Efficacy: 55.5 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

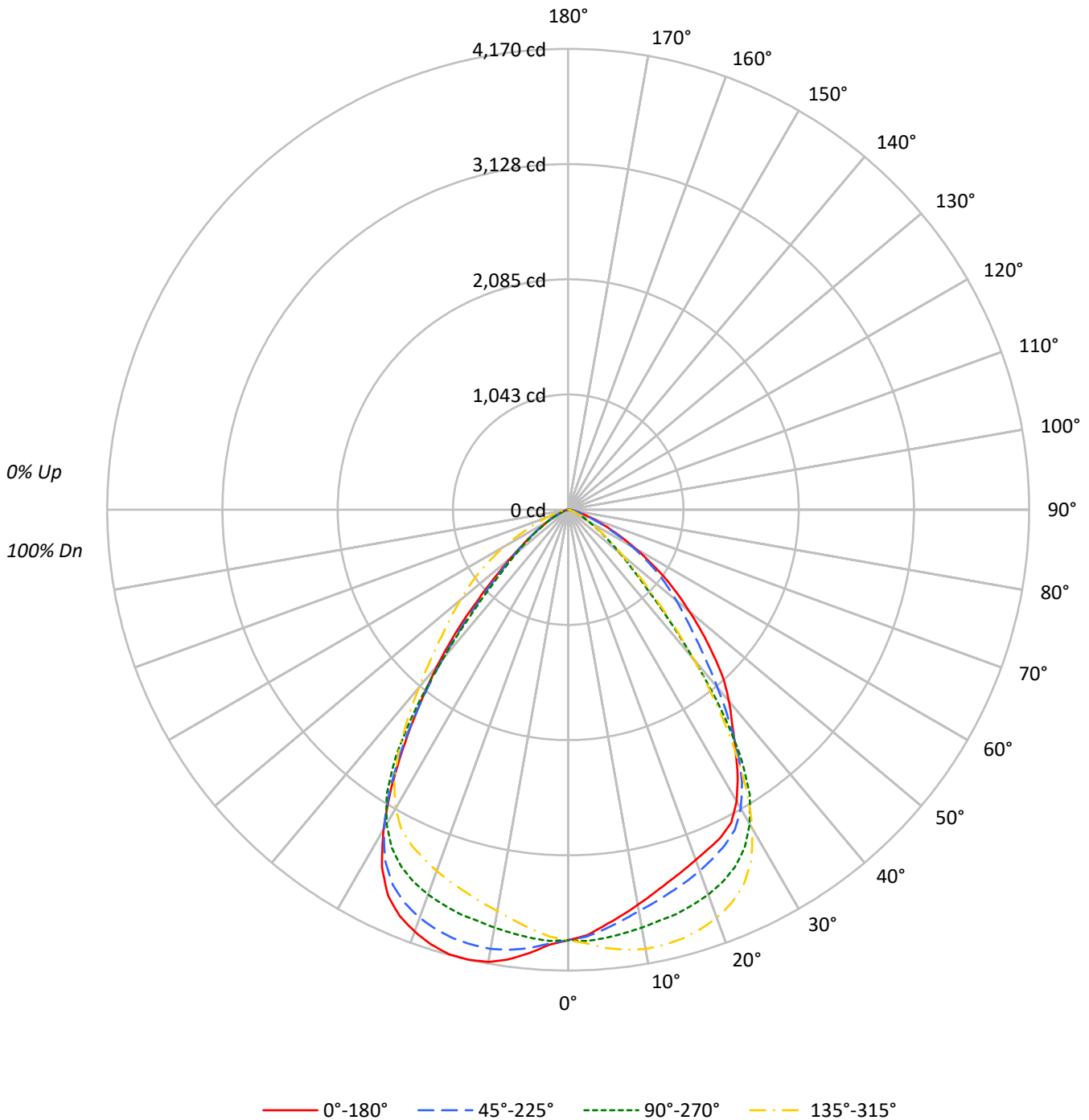
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	370.7	5.7
10°-20°	1073.4	16.4
20°-30°	1625.4	24.8
30°-40°	1629.0	24.8
40°-50°	1023.0	15.6
50°-60°	545.1	8.3
60°-70°	224.2	3.4
70°-80°	59.2	0.9
80°-90°	10.0	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°	3069.5	46.8
0°-40°	4698.5	71.6
0°-60°	6266.6	95.5
0°-90°	6560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6560.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3894	3894	3894	3894	3894	
5°	3777	3889	4028	3889	3777	356
15°	3489	3788	4164	3788	3489	987
25°	3269	3567	3854	3567	3269	1499
35°	2636	2710	2571	2710	2636	1651
45°	1856	993	1149	993	1856	1427
55°	1055	367	388	367	1055	941
65°	420	112	103	112	420	436
75°	118	23	19	23	118	134
85°	25	0	2	0	25	27
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°	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5
2.5°	3854.5	3850.7	3848.8	3852.7	3854.5	3862.1	3860.3	3864.0	3864.0	3866.0	3869.7
5°	3776.6	3774.6	3776.6	3776.6	3784.2	3791.8	3789.9	3795.6	3799.4	3808.9	3812.7
7.5°	3704.3	3704.3	3702.4	3710.0	3713.8	3725.2	3723.3	3732.8	3738.5	3748.0	3761.3
10°	3630.1	3630.1	3632.0	3637.7	3639.7	3656.8	3656.8	3670.1	3677.7	3687.2	3704.3
12.5°	3557.9	3557.9	3569.3	3565.5	3573.1	3586.4	3592.1	3605.4	3616.8	3635.9	3653.0
15°	3489.4	3489.4	3493.2	3502.7	3508.4	3525.6	3535.0	3550.3	3563.6	3582.6	3607.4
17.5°	3430.5	3428.6	3430.5	3441.9	3453.3	3468.5	3476.1	3495.1	3508.4	3533.2	3556.0
20°	3371.5	3375.4	3375.4	3384.8	3392.4	3411.5	3419.0	3440.0	3455.2	3478.0	3504.7
22.5°	3320.2	3318.3	3318.3	3331.6	3337.3	3354.4	3362.0	3381.0	3398.1	3417.2	3441.9
25°	3268.8	3265.0	3272.7	3274.6	3278.3	3297.3	3303.0	3316.4	3333.5	3350.6	3375.4
27.5°	3192.8	3189.0	3190.9	3198.5	3204.2	3219.4	3223.2	3236.5	3249.8	3265.0	3286.0
30°	3046.3	3042.6	3040.7	3054.0	3059.7	3071.1	3076.8	3099.6	3103.4	3120.5	3135.7
32.5°	2852.4	2850.5	2854.3	2865.7	2871.4	2886.6	2894.2	2907.5	2917.0	2926.6	2941.7
35°	2635.6	2631.8	2635.6	2647.1	2647.1	2660.4	2666.1	2671.7	2669.8	2671.7	2668.0
37.5°	2434.1	2432.1	2434.1	2439.7	2434.1	2439.7	2434.1	2422.7	2401.8	2378.9	2356.0
40°	2262.9	2264.8	2253.4	2261.0	2240.0	2236.3	2215.4	2186.8	2145.0	2099.4	2034.7
42.5°	2080.4	2074.7	2067.1	2070.8	2053.8	2040.4	2006.2	1970.1	1916.8	1840.8	1762.7
45°	1856.0	1854.1	1850.3	1848.4	1836.9	1823.6	1795.1	1753.3	1694.3	1616.4	1523.2
47.5°	1637.3	1631.6	1631.6	1633.4	1620.1	1618.3	1595.4	1559.3	1508.0	1431.9	1334.9
50°	1428.1	1426.2	1430.0	1437.6	1428.1	1424.3	1409.1	1384.4	1338.8	1274.1	1182.8
52.5°	1239.8	1237.9	1241.8	1251.2	1247.4	1251.2	1236.1	1217.0	1186.6	1123.8	1044.0
55°	1055.4	1055.4	1055.4	1066.8	1066.8	1066.8	1059.2	1047.8	1019.2	973.6	899.5
57.5°	863.3	865.2	876.6	878.5	876.6	880.5	878.5	867.1	848.1	815.8	758.8
60°	701.7	701.7	707.4	713.1	711.2	713.1	713.1	707.4	688.4	661.8	616.2
62.5°	555.3	561.0	557.1	561.0	568.6	561.0	557.1	553.4	540.1	522.9	484.9
65°	420.2	424.1	424.1	426.0	422.1	424.1	416.5	410.8	403.2	384.2	359.4
67.5°	319.5	319.5	319.5	319.5	317.5	315.7	313.8	308.1	294.8	287.2	260.5
70°	245.3	233.9	233.9	233.9	233.9	235.8	230.1	222.5	218.7	205.4	186.4
72.5°	163.5	167.3	163.5	163.5	159.8	161.6	154.0	150.2	146.4	138.9	127.4
75°	117.9	108.4	112.2	114.1	108.4	112.2	104.6	97.0	97.0	91.3	85.6
77.5°	76.1	74.2	76.1	78.0	76.1	74.2	70.4	66.5	66.5	64.7	58.9
80°	55.2	53.2	53.2	53.2	51.3	53.2	49.5	49.5	45.6	43.8	39.9
82.5°	36.2	36.2	34.2	36.2	34.2	36.2	30.4	30.4	30.4	28.5	24.7
85°	24.7	20.9	20.9	22.9	19.0	22.9	20.9	19.0	17.1	17.1	15.2
87.5°	11.4	13.3	11.4	13.3	11.4	11.4	13.3	11.4	11.4	7.6	7.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5
2.5°	3875.4	3877.3	3877.3	3885.0	3888.8	3890.6	3890.6	3905.9	3900.2	3904.0	3907.8
5°	3820.3	3831.7	3835.5	3835.5	3856.4	3864.0	3871.6	3888.8	3890.6	3902.1	3915.4
7.5°	3767.0	3780.3	3788.0	3805.1	3818.4	3831.7	3854.5	3866.0	3877.3	3892.6	3909.6
10°	3715.7	3731.0	3746.1	3759.4	3780.3	3797.5	3812.7	3839.3	3852.7	3873.6	3896.3
12.5°	3666.3	3687.2	3700.5	3723.3	3746.1	3761.3	3784.2	3808.9	3829.8	3850.7	3877.3
15°	3622.5	3647.3	3662.5	3687.2	3711.9	3732.8	3757.6	3788.0	3803.2	3827.9	3852.7
17.5°	3575.0	3601.7	3620.7	3643.4	3673.9	3696.7	3717.6	3748.0	3767.0	3793.7	3822.2
20°	3525.6	3552.2	3575.0	3597.8	3628.3	3651.0	3675.8	3706.2	3727.1	3753.7	3776.6
22.5°	3466.6	3491.4	3516.0	3542.6	3573.1	3592.1	3620.7	3647.3	3670.1	3694.8	3717.6
25°	3390.6	3421.0	3440.0	3464.7	3489.4	3510.3	3540.8	3567.4	3586.4	3609.2	3630.1
27.5°	3301.2	3324.0	3339.2	3360.1	3384.8	3403.9	3426.6	3453.3	3472.3	3493.2	3508.4
30°	3149.0	3170.0	3183.3	3198.5	3223.2	3240.4	3259.4	3284.0	3297.3	3312.6	3325.9
32.5°	2949.3	2966.5	2974.1	2985.5	3002.6	3019.7	3035.0	3055.9	3061.6	3071.1	3071.1
35°	2660.4	2664.1	2662.2	2666.1	2673.7	2683.1	2696.4	2709.8	2717.3	2717.3	2711.7
37.5°	2321.8	2299.1	2274.3	2255.3	2249.6	2245.8	2253.4	2259.1	2266.7	2270.5	2261.0
40°	1970.1	1918.7	1863.6	1814.1	1779.9	1764.7	1759.0	1762.7	1762.7	1776.1	1776.1
42.5°	1667.7	1587.8	1506.1	1431.9	1382.4	1344.5	1327.3	1327.3	1329.2	1338.8	1344.5
45°	1416.7	1315.9	1220.8	1139.1	1070.6	1021.1	998.3	992.6	990.8	994.5	1007.8
47.5°	1224.6	1120.1	1021.1	920.4	848.1	798.7	777.8	770.1	762.5	770.1	772.1
50°	1074.4	966.0	861.5	760.6	684.6	640.8	614.2	602.8	600.9	600.9	604.7
52.5°	937.5	836.7	732.1	629.5	549.5	507.7	483.0	477.3	469.7	477.3	477.3
55°	808.2	707.4	604.7	507.7	441.1	397.5	374.6	367.0	363.2	368.9	368.9
57.5°	667.5	581.9	486.8	399.3	332.8	302.4	285.2	275.7	273.8	277.6	273.8
60°	547.7	475.4	393.6	313.8	262.4	230.1	216.8	213.0	209.1	213.0	213.0
62.5°	433.5	372.7	306.1	245.3	201.5	178.8	163.5	163.5	161.6	161.6	163.5
65°	321.4	273.8	226.3	174.9	140.7	123.6	112.2	112.2	110.3	112.2	110.3
67.5°	233.9	201.5	163.5	127.4	100.8	91.3	83.7	78.0	81.8	78.0	76.1
70°	171.2	144.5	117.9	97.0	78.0	68.5	62.8	60.8	57.1	57.1	57.1
72.5°	114.1	97.0	79.8	62.8	51.3	41.8	39.9	36.2	32.3	34.2	38.0
75°	76.1	64.7	57.1	45.6	34.2	34.2	22.9	22.9	19.0	22.9	17.1
77.5°	53.2	43.8	34.2	28.5	22.9	20.9	15.2	15.2	13.3	13.3	13.3
80°	38.0	32.3	24.7	20.9	15.2	15.2	13.3	11.4	9.5	9.5	11.4
82.5°	22.9	17.1	17.1	15.2	9.5	7.6	5.7	7.6	3.8	3.8	3.8
85°	13.3	11.4	9.5	5.7	3.8	3.8	1.9	0.0	1.9	1.9	0.0
87.5°	7.6	3.8	3.8	1.9	0.0	1.9	1.9	0.0	0.0	0.0	3.8
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°	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5
2.5°	3917.3	3915.4	3919.2	3919.2	3930.6	3928.7	3934.4	3934.4	3930.6	3932.5	3940.1
5°	3930.6	3936.3	3947.7	3957.2	3974.3	3982.0	3991.4	4001.0	4002.9	4008.6	4014.3
7.5°	3930.6	3949.6	3963.0	3980.0	4002.9	4016.2	4037.1	4054.2	4061.8	4071.3	4082.7
10°	3923.0	3942.0	3966.7	3985.7	4014.3	4035.2	4056.1	4082.7	4094.1	4109.3	4124.6
12.5°	3907.8	3928.7	3955.3	3980.0	4012.3	4031.4	4058.0	4082.7	4099.8	4120.7	4137.9
15°	3885.0	3909.6	3934.4	3959.1	3993.3	4016.2	4040.9	4069.4	4086.5	4109.3	4124.6
17.5°	3848.8	3875.4	3898.3	3921.1	3953.4	3980.0	4002.9	4029.5	4046.6	4065.6	4086.5
20°	3805.1	3829.8	3854.5	3873.6	3905.9	3928.7	3953.4	3978.1	3991.4	3995.3	4027.6
22.5°	3750.0	3767.0	3786.1	3816.5	3835.5	3856.4	3879.3	3902.1	3915.4	3936.3	3947.7
25°	3658.6	3675.8	3696.7	3710.0	3732.8	3750.0	3772.8	3797.5	3805.1	3820.3	3831.7
27.5°	3531.3	3540.8	3550.3	3561.7	3575.0	3584.5	3597.8	3609.2	3616.8	3624.4	3632.0
30°	3329.7	3329.7	3329.7	3322.1	3327.8	3333.5	3335.4	3333.5	3333.5	3331.6	3331.6
32.5°	3063.5	3048.3	3031.1	3015.9	3010.2	3002.6	2998.8	2993.1	2983.6	2977.9	2979.8
35°	2704.0	2669.8	2648.9	2629.9	2614.7	2603.3	2597.6	2591.9	2590.0	2582.4	2574.7
37.5°	2255.3	2230.6	2215.4	2204.0	2190.7	2179.2	2181.1	2183.1	2188.7	2184.9	2186.8
40°	1779.9	1774.2	1779.9	1766.6	1762.7	1766.6	1776.1	1789.4	1797.0	1804.6	1817.9
42.5°	1353.9	1363.4	1376.8	1376.8	1382.4	1390.1	1401.4	1422.4	1433.8	1447.1	1462.3
45°	1019.2	1030.7	1047.8	1053.5	1057.3	1066.8	1080.1	1097.2	1104.8	1116.2	1129.5
47.5°	785.4	793.0	802.4	812.0	821.5	825.3	838.6	838.6	848.1	855.7	859.5
50°	612.3	619.9	627.5	633.2	637.0	642.8	646.5	652.2	654.1	657.9	659.8
52.5°	479.2	488.7	488.7	492.5	498.2	503.9	502.0	503.9	505.8	505.8	511.5
55°	374.6	374.6	380.3	380.3	384.2	382.2	384.2	384.2	384.2	384.2	386.0
57.5°	279.5	281.5	287.2	283.3	281.5	285.2	281.5	285.2	283.3	287.2	281.5
60°	214.9	214.9	216.8	216.8	218.7	218.7	218.7	216.8	216.8	214.9	214.9
62.5°	161.6	163.5	165.5	163.5	163.5	163.5	161.6	161.6	159.8	157.8	157.8
65°	108.4	106.5	110.3	106.5	108.4	108.4	106.5	108.4	102.7	104.6	102.7
67.5°	78.0	76.1	74.2	76.1	74.2	72.2	72.2	74.2	76.1	70.4	70.4
70°	51.3	53.2	51.3	53.2	55.2	55.2	53.2	51.3	53.2	49.5	51.3
72.5°	32.3	32.3	32.3	32.3	32.3	34.2	34.2	34.2	30.4	30.4	28.5
75°	15.2	20.9	17.1	15.2	20.9	20.9	19.0	19.0	17.1	17.1	17.1
77.5°	15.2	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.5	11.4	9.5
80°	7.6	7.6	7.6	5.7	7.6	7.6	9.5	7.6	7.6	5.7	9.5
82.5°	3.8	3.8	3.8	0.0	1.9	3.8	3.8	1.9	3.8	3.8	1.9
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: P248961

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5
2.5°	3938.2	3936.3	3938.2	3940.1	3938.2	3936.3	3938.2	3940.1	3932.5	3930.6	3934.4
5°	4021.9	4021.9	4025.6	4027.6	4025.6	4021.9	4021.9	4014.3	4008.6	4002.9	4001.0
7.5°	4094.1	4098.0	4101.7	4103.6	4101.7	4098.0	4094.1	4082.7	4071.3	4061.8	4054.2
10°	4137.9	4143.6	4151.2	4155.0	4151.2	4143.6	4137.9	4124.6	4109.3	4094.1	4082.7
12.5°	4156.9	4162.6	4172.1	4170.2	4172.1	4162.6	4156.9	4137.9	4120.7	4099.8	4082.7
15°	4143.6	4151.2	4160.7	4164.5	4160.7	4151.2	4143.6	4124.6	4109.3	4086.5	4069.4
17.5°	4101.7	4113.2	4118.9	4124.6	4118.9	4113.2	4101.7	4086.5	4065.6	4046.6	4029.5
20°	4044.7	4052.3	4059.9	4061.8	4059.9	4052.3	4044.7	4027.6	3995.3	3991.4	3978.1
22.5°	3963.0	3968.7	3985.7	3980.0	3985.7	3968.7	3963.0	3947.7	3936.3	3915.4	3902.1
25°	3845.0	3850.7	3852.7	3854.5	3852.7	3850.7	3845.0	3831.7	3820.3	3805.1	3797.5
27.5°	3641.6	3641.6	3645.3	3647.3	3645.3	3641.6	3641.6	3632.0	3624.4	3616.8	3609.2
30°	3333.5	3333.5	3333.5	3343.0	3333.5	3333.5	3333.5	3331.6	3331.6	3333.5	3333.5
32.5°	2977.9	2974.1	2970.3	2974.1	2970.3	2974.1	2977.9	2979.8	2977.9	2983.6	2993.1
35°	2574.7	2572.9	2578.6	2571.0	2578.6	2572.9	2574.7	2574.7	2582.4	2590.0	2591.9
37.5°	2188.7	2184.9	2192.5	2184.9	2192.5	2184.9	2188.7	2186.8	2184.9	2188.7	2183.1
40°	1821.8	1825.5	1825.5	1840.8	1825.5	1825.5	1821.8	1817.9	1804.6	1797.0	1789.4
42.5°	1469.9	1481.4	1477.5	1489.0	1477.5	1481.4	1469.9	1462.3	1447.1	1433.8	1422.4
45°	1137.1	1144.8	1144.8	1148.6	1144.8	1144.8	1137.1	1129.5	1116.2	1104.8	1097.2
47.5°	872.8	872.8	872.8	874.8	872.8	872.8	872.8	859.5	855.7	848.1	838.6
50°	663.7	665.5	667.5	669.4	667.5	665.5	663.7	659.8	657.9	654.1	652.2
52.5°	509.6	511.5	507.7	511.5	507.7	511.5	509.6	511.5	505.8	505.8	503.9
55°	386.0	384.2	386.0	387.9	386.0	384.2	386.0	386.0	384.2	384.2	384.2
57.5°	283.3	279.5	279.5	279.5	279.5	279.5	283.3	281.5	287.2	283.3	285.2
60°	211.1	213.0	213.0	214.9	213.0	213.0	211.1	214.9	214.9	216.8	216.8
62.5°	155.9	161.6	157.8	161.6	157.8	161.6	155.9	157.8	157.8	159.8	161.6
65°	100.8	100.8	100.8	102.7	100.8	100.8	100.8	102.7	104.6	102.7	108.4
67.5°	68.5	70.4	74.2	72.2	74.2	70.4	68.5	70.4	70.4	76.1	74.2
70°	55.2	49.5	49.5	55.2	49.5	49.5	55.2	51.3	49.5	53.2	51.3
72.5°	32.3	28.5	32.3	32.3	32.3	28.5	32.3	28.5	30.4	30.4	34.2
75°	17.1	15.2	13.3	19.0	13.3	15.2	17.1	17.1	17.1	17.1	19.0
77.5°	11.4	9.5	13.3	13.3	13.3	9.5	11.4	9.5	11.4	9.5	11.4
80°	5.7	7.6	5.7	9.5	5.7	7.6	5.7	9.5	5.7	7.6	7.6
82.5°	1.9	3.8	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	1.9
85°	0.0	3.8	1.9	1.9	1.9	3.8	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.0	0.0	1.9	0.0	0.0	1.9	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: P248961

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5
2.5°	3934.4	3928.7	3930.6	3919.2	3919.2	3915.4	3917.3	3907.8	3904.0	3900.2	3905.9
5°	3991.4	3982.0	3974.3	3957.2	3947.7	3936.3	3930.6	3915.4	3902.1	3890.6	3888.8
7.5°	4037.1	4016.2	4002.9	3980.0	3963.0	3949.6	3930.6	3909.6	3892.6	3877.3	3866.0
10°	4056.1	4035.2	4014.3	3985.7	3966.7	3942.0	3923.0	3896.3	3873.6	3852.7	3839.3
12.5°	4058.0	4031.4	4012.3	3980.0	3955.3	3928.7	3907.8	3877.3	3850.7	3829.8	3808.9
15°	4040.9	4016.2	3993.3	3959.1	3934.4	3909.6	3885.0	3852.7	3827.9	3803.2	3788.0
17.5°	4002.9	3980.0	3953.4	3921.1	3898.3	3875.4	3848.8	3822.2	3793.7	3767.0	3748.0
20°	3953.4	3928.7	3905.9	3873.6	3854.5	3829.8	3805.1	3776.6	3753.7	3727.1	3706.2
22.5°	3879.3	3856.4	3835.5	3816.5	3786.1	3767.0	3750.0	3717.6	3694.8	3670.1	3647.3
25°	3772.8	3750.0	3732.8	3710.0	3696.7	3675.8	3658.6	3630.1	3609.2	3586.4	3567.4
27.5°	3597.8	3584.5	3575.0	3561.7	3550.3	3540.8	3531.3	3508.4	3493.2	3472.3	3453.3
30°	3335.4	3333.5	3327.8	3322.1	3329.7	3329.7	3329.7	3325.9	3312.6	3297.3	3284.0
32.5°	2998.8	3002.6	3010.2	3015.9	3031.1	3048.3	3063.5	3071.1	3071.1	3061.6	3055.9
35°	2597.6	2603.3	2614.7	2629.9	2648.9	2669.8	2704.0	2711.7	2717.3	2717.3	2709.8
37.5°	2181.1	2179.2	2190.7	2204.0	2215.4	2230.6	2255.3	2261.0	2270.5	2266.7	2259.1
40°	1776.1	1766.6	1762.7	1766.6	1779.9	1774.2	1779.9	1776.1	1776.1	1762.7	1762.7
42.5°	1401.4	1390.1	1382.4	1376.8	1376.8	1363.4	1353.9	1344.5	1338.8	1329.2	1327.3
45°	1080.1	1066.8	1057.3	1053.5	1047.8	1030.7	1019.2	1007.8	994.5	990.8	992.6
47.5°	838.6	825.3	821.5	812.0	802.4	793.0	785.4	772.1	770.1	762.5	770.1
50°	646.5	642.8	637.0	633.2	627.5	619.9	612.3	604.7	600.9	600.9	602.8
52.5°	502.0	503.9	498.2	492.5	488.7	488.7	479.2	477.3	477.3	469.7	477.3
55°	384.2	382.2	384.2	380.3	380.3	374.6	374.6	368.9	368.9	363.2	367.0
57.5°	281.5	285.2	281.5	283.3	287.2	281.5	279.5	273.8	277.6	273.8	275.7
60°	218.7	218.7	218.7	216.8	216.8	214.9	214.9	213.0	213.0	209.1	213.0
62.5°	161.6	163.5	163.5	163.5	165.5	163.5	161.6	163.5	161.6	161.6	163.5
65°	106.5	108.4	108.4	106.5	110.3	106.5	108.4	110.3	112.2	110.3	112.2
67.5°	72.2	72.2	74.2	76.1	74.2	76.1	78.0	76.1	78.0	81.8	78.0
70°	53.2	55.2	55.2	53.2	51.3	53.2	51.3	57.1	57.1	57.1	60.8
72.5°	34.2	34.2	32.3	32.3	32.3	32.3	32.3	38.0	34.2	32.3	36.2
75°	19.0	20.9	20.9	15.2	17.1	20.9	15.2	17.1	22.9	19.0	22.9
77.5°	11.4	11.4	11.4	11.4	11.4	11.4	15.2	13.3	13.3	13.3	15.2
80°	9.5	7.6	7.6	5.7	7.6	7.6	7.6	11.4	9.5	9.5	11.4
82.5°	3.8	3.8	1.9	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	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: P248961

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5
2.5°	3890.6	3890.6	3888.8	3885.0	3877.3	3877.3	3875.4	3869.7	3866.0	3864.0	3864.0
5°	3871.6	3864.0	3856.4	3835.5	3835.5	3831.7	3820.3	3812.7	3808.9	3799.4	3795.6
7.5°	3854.5	3831.7	3818.4	3805.1	3788.0	3780.3	3767.0	3761.3	3748.0	3738.5	3732.8
10°	3812.7	3797.5	3780.3	3759.4	3746.1	3731.0	3715.7	3704.3	3687.2	3677.7	3670.1
12.5°	3784.2	3761.3	3746.1	3723.3	3700.5	3687.2	3666.3	3653.0	3635.9	3616.8	3605.4
15°	3757.6	3732.8	3711.9	3687.2	3662.5	3647.3	3622.5	3607.4	3582.6	3563.6	3550.3
17.5°	3717.6	3696.7	3673.9	3643.4	3620.7	3601.7	3575.0	3556.0	3533.2	3508.4	3495.1
20°	3675.8	3651.0	3628.3	3597.8	3575.0	3552.2	3525.6	3504.7	3478.0	3455.2	3440.0
22.5°	3620.7	3592.1	3573.1	3542.6	3516.0	3491.4	3466.6	3441.9	3417.2	3398.1	3381.0
25°	3540.8	3510.3	3489.4	3464.7	3440.0	3421.0	3390.6	3375.4	3350.6	3333.5	3316.4
27.5°	3426.6	3403.9	3384.8	3360.1	3339.2	3324.0	3301.2	3286.0	3265.0	3249.8	3236.5
30°	3259.4	3240.4	3223.2	3198.5	3183.3	3170.0	3149.0	3135.7	3120.5	3103.4	3099.6
32.5°	3035.0	3019.7	3002.6	2985.5	2974.1	2966.5	2949.3	2941.7	2926.6	2917.0	2907.5
35°	2696.4	2683.1	2673.7	2666.1	2662.2	2664.1	2660.4	2668.0	2671.7	2669.8	2671.7
37.5°	2253.4	2245.8	2249.6	2255.3	2274.3	2299.1	2321.8	2356.0	2378.9	2401.8	2422.7
40°	1759.0	1764.7	1779.9	1814.1	1863.6	1918.7	1970.1	2034.7	2099.4	2145.0	2186.8
42.5°	1327.3	1344.5	1382.4	1431.9	1506.1	1587.8	1667.7	1762.7	1840.8	1916.8	1970.1
45°	998.3	1021.1	1070.6	1139.1	1220.8	1315.9	1416.7	1523.2	1616.4	1694.3	1753.3
47.5°	777.8	798.7	848.1	920.4	1021.1	1120.1	1224.6	1334.9	1431.9	1508.0	1559.3
50°	614.2	640.8	684.6	760.6	861.5	966.0	1074.4	1182.8	1274.1	1338.8	1384.4
52.5°	483.0	507.7	549.5	629.5	732.1	836.7	937.5	1044.0	1123.8	1186.6	1217.0
55°	374.6	397.5	441.1	507.7	604.7	707.4	808.2	899.5	973.6	1019.2	1047.8
57.5°	285.2	302.4	332.8	399.3	486.8	581.9	667.5	758.8	815.8	848.1	867.1
60°	216.8	230.1	262.4	313.8	393.6	475.4	547.7	616.2	661.8	688.4	707.4
62.5°	163.5	178.8	201.5	245.3	306.1	372.7	433.5	484.9	522.9	540.1	553.4
65°	112.2	123.6	140.7	174.9	226.3	273.8	321.4	359.4	384.2	403.2	410.8
67.5°	83.7	91.3	100.8	127.4	163.5	201.5	233.9	260.5	287.2	294.8	308.1
70°	62.8	68.5	78.0	97.0	117.9	144.5	171.2	186.4	205.4	218.7	222.5
72.5°	39.9	41.8	51.3	62.8	79.8	97.0	114.1	127.4	138.9	146.4	150.2
75°	22.9	34.2	34.2	45.6	57.1	64.7	76.1	85.6	91.3	97.0	97.0
77.5°	15.2	20.9	22.9	28.5	34.2	43.8	53.2	58.9	64.7	66.5	66.5
80°	13.3	15.2	15.2	20.9	24.7	32.3	38.0	39.9	43.8	45.6	49.5
82.5°	5.7	7.6	9.5	15.2	17.1	17.1	22.9	24.7	28.5	30.4	30.4
85°	1.9	3.8	3.8	5.7	9.5	11.4	13.3	15.2	17.1	17.1	19.0
87.5°	1.9	1.9	0.0	1.9	3.8	3.8	7.6	7.6	7.6	11.4	11.4
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: P248961

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5	3894.5
2.5°	3860.3	3862.1	3854.5	3852.7	3848.8	3850.7	3854.5
5°	3789.9	3791.8	3784.2	3776.6	3776.6	3774.6	3776.6
7.5°	3723.3	3725.2	3713.8	3710.0	3702.4	3704.3	3704.3
10°	3656.8	3656.8	3639.7	3637.7	3632.0	3630.1	3630.1
12.5°	3592.1	3586.4	3573.1	3565.5	3569.3	3557.9	3557.9
15°	3535.0	3525.6	3508.4	3502.7	3493.2	3489.4	3489.4
17.5°	3476.1	3468.5	3453.3	3441.9	3430.5	3428.6	3430.5
20°	3419.0	3411.5	3392.4	3384.8	3375.4	3375.4	3371.5
22.5°	3362.0	3354.4	3337.3	3331.6	3318.3	3318.3	3320.2
25°	3303.0	3297.3	3278.3	3274.6	3272.7	3265.0	3268.8
27.5°	3223.2	3219.4	3204.2	3198.5	3190.9	3189.0	3192.8
30°	3076.8	3071.1	3059.7	3054.0	3040.7	3042.6	3046.3
32.5°	2894.2	2886.6	2871.4	2865.7	2854.3	2850.5	2852.4
35°	2666.1	2660.4	2647.1	2647.1	2635.6	2631.8	2635.6
37.5°	2434.1	2439.7	2434.1	2439.7	2434.1	2432.1	2434.1
40°	2215.4	2236.3	2240.0	2261.0	2253.4	2264.8	2262.9
42.5°	2006.2	2040.4	2053.8	2070.8	2067.1	2074.7	2080.4
45°	1795.1	1823.6	1836.9	1848.4	1850.3	1854.1	1856.0
47.5°	1595.4	1618.3	1620.1	1633.4	1631.6	1631.6	1637.3
50°	1409.1	1424.3	1428.1	1437.6	1430.0	1426.2	1428.1
52.5°	1236.1	1251.2	1247.4	1251.2	1241.8	1237.9	1239.8
55°	1059.2	1066.8	1066.8	1066.8	1055.4	1055.4	1055.4
57.5°	878.5	880.5	876.6	878.5	876.6	865.2	863.3
60°	713.1	713.1	711.2	713.1	707.4	701.7	701.7
62.5°	557.1	561.0	568.6	561.0	557.1	561.0	555.3
65°	416.5	424.1	422.1	426.0	424.1	424.1	420.2
67.5°	313.8	315.7	317.5	319.5	319.5	319.5	319.5
70°	230.1	235.8	233.9	233.9	233.9	233.9	245.3
72.5°	154.0	161.6	159.8	163.5	163.5	167.3	163.5
75°	104.6	112.2	108.4	114.1	112.2	108.4	117.9
77.5°	70.4	74.2	76.1	78.0	76.1	74.2	76.1
80°	49.5	53.2	51.3	53.2	53.2	53.2	55.2
82.5°	30.4	36.2	34.2	36.2	34.2	36.2	36.2
85°	20.9	22.9	19.0	22.9	20.9	20.9	24.7
87.5°	13.3	11.4	11.4	13.3	11.4	13.3	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)