

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: P248634

Luminaire Tested: **LD8B80D010 ER8B80927 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248634  
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 ER8B80927 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6556.5 lumens  
Efficiency: N/A  
Efficacy: 88.1 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

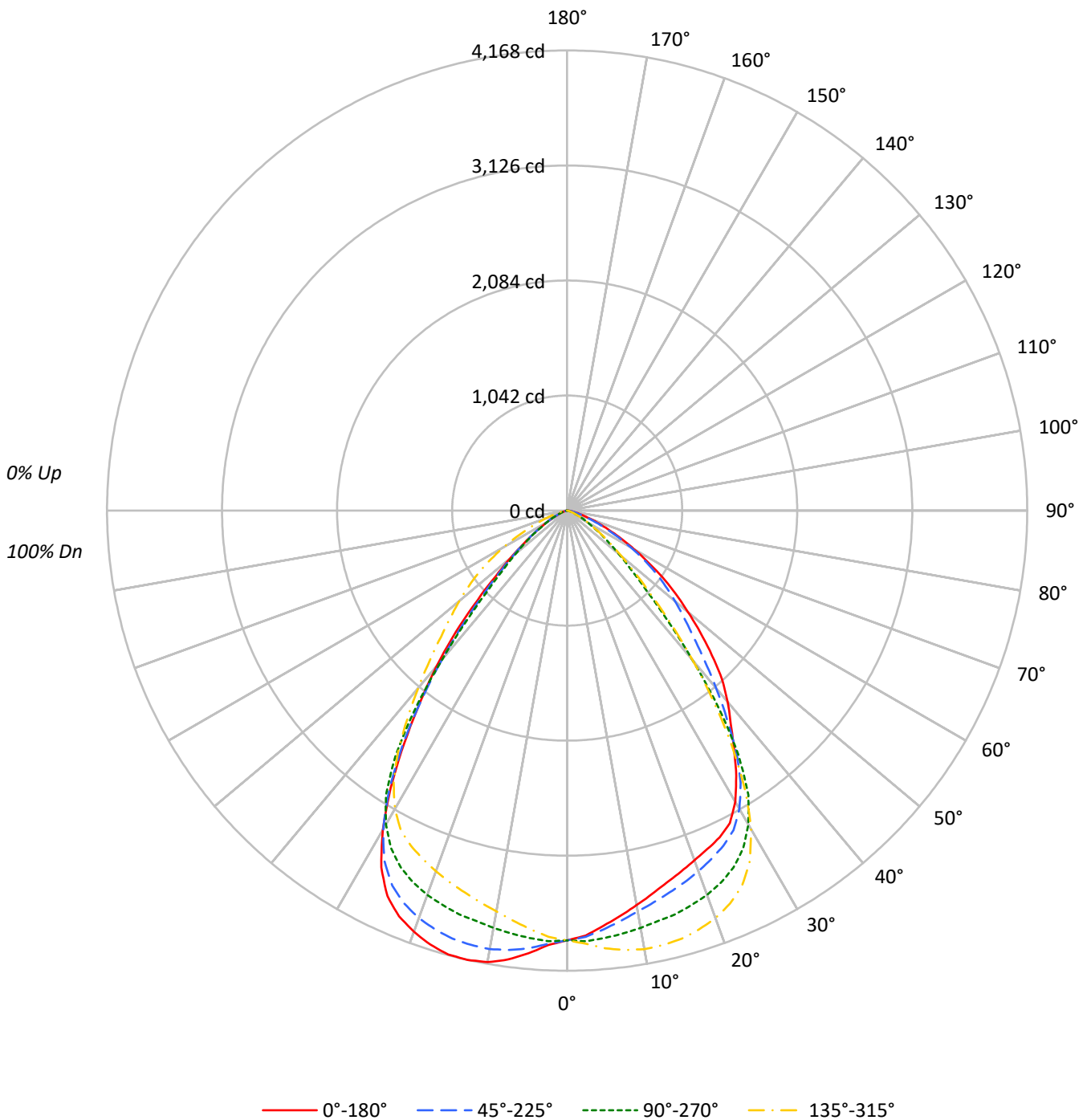
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	370.5	5.7
10°-20°	1072.8	16.4
20°-30°	1624.5	24.8
30°-40°	1628.2	24.8
40°-50°	1022.4	15.6
50°-60°	544.8	8.3
60°-70°	224.0	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°	3067.8	46.8
0°-40°	4696.0	71.6
0°-60°	6263.3	95.5
0°-90°	6556.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6556.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3892	3892	3892	3892	3892	
5°	3775	3887	4026	3887	3775	356
15°	3488	3786	4162	3786	3488	986
25°	3267	3566	3852	3566	3267	1498
35°	2634	2708	2570	2708	2634	1650
45°	1855	992	1148	992	1855	1427
55°	1055	367	388	367	1055	940
65°	420	112	103	112	420	436
75°	118	23	19	23	118	133
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°	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4
2.5°	3852.4	3848.6	3846.8	3850.6	3852.4	3860.1	3858.2	3861.9	3861.9	3863.9	3867.6
5°	3774.6	3772.6	3774.6	3774.6	3782.1	3789.8	3787.9	3793.6	3797.3	3806.9	3810.6
7.5°	3702.4	3702.4	3700.5	3708.0	3711.8	3723.3	3721.3	3730.8	3736.6	3746.0	3759.3
10°	3628.2	3628.2	3630.0	3635.8	3637.8	3654.8	3654.8	3668.1	3675.7	3685.3	3702.4
12.5°	3556.0	3556.0	3567.4	3563.6	3571.2	3584.5	3590.2	3603.5	3615.0	3633.9	3651.1
15°	3487.5	3487.5	3491.4	3500.9	3506.5	3523.7	3533.2	3548.4	3561.8	3580.8	3605.4
17.5°	3428.7	3426.8	3428.7	3440.0	3451.5	3466.7	3474.2	3493.2	3506.5	3531.3	3554.1
20°	3369.7	3373.5	3373.5	3383.0	3390.6	3409.6	3417.2	3438.2	3453.4	3476.1	3502.8
22.5°	3318.4	3316.5	3316.5	3329.9	3335.5	3352.6	3360.2	3379.2	3396.4	3415.4	3440.0
25°	3267.1	3263.3	3270.9	3272.8	3276.6	3295.6	3301.3	3314.6	3331.7	3348.9	3373.5
27.5°	3191.1	3187.4	3189.2	3196.8	3202.4	3217.6	3221.4	3234.8	3248.1	3263.3	3284.2
30°	3044.7	3041.0	3039.1	3052.4	3058.1	3069.5	3075.1	3097.9	3101.7	3118.8	3134.0
32.5°	2850.9	2849.0	2852.8	2864.1	2869.9	2885.1	2892.7	2906.0	2915.4	2925.0	2940.2
35°	2634.2	2630.4	2634.2	2645.7	2645.7	2658.9	2664.7	2670.3	2668.4	2670.3	2666.5
37.5°	2432.8	2430.8	2432.8	2438.4	2432.8	2438.4	2432.8	2421.3	2400.5	2377.6	2354.7
40°	2261.7	2263.6	2252.2	2259.8	2238.9	2235.2	2214.2	2185.6	2143.9	2098.2	2033.7
42.5°	2079.2	2073.6	2066.0	2069.7	2052.7	2039.3	2005.1	1969.1	1915.8	1839.8	1761.9
45°	1855.0	1853.1	1849.3	1847.4	1836.0	1822.7	1794.2	1752.3	1693.5	1615.5	1522.4
47.5°	1636.4	1630.7	1630.7	1632.6	1619.3	1617.4	1594.6	1558.5	1507.2	1431.1	1334.2
50°	1427.3	1425.4	1429.2	1436.9	1427.3	1423.6	1408.4	1383.6	1338.1	1273.4	1182.1
52.5°	1239.2	1237.3	1241.1	1250.6	1246.7	1250.6	1235.4	1216.4	1186.0	1123.2	1043.4
55°	1054.8	1054.8	1054.8	1066.2	1066.2	1066.2	1058.6	1047.3	1018.7	973.1	899.0
57.5°	862.9	864.8	876.2	878.1	876.2	880.0	878.1	866.6	847.7	815.4	758.4
60°	701.3	701.3	707.1	712.8	710.8	712.8	712.8	707.1	688.1	661.4	615.8
62.5°	555.0	560.7	556.9	560.7	568.2	560.7	556.9	553.1	539.8	522.7	484.6
65°	420.0	423.9	423.9	425.7	421.9	423.9	416.2	410.5	403.0	384.0	359.2
67.5°	319.4	319.4	319.4	319.4	317.4	315.4	313.7	307.9	294.6	287.0	260.3
70°	245.1	233.8	233.8	233.8	233.8	235.7	230.0	222.4	218.6	205.3	186.3
72.5°	163.5	167.3	163.5	163.5	159.6	161.5	153.9	150.1	146.4	138.8	127.4
75°	117.8	108.3	112.0	114.1	108.3	112.0	104.5	97.0	97.0	91.2	85.5
77.5°	76.0	74.1	76.0	78.0	76.0	74.1	70.3	66.5	66.5	64.6	59.0
80°	55.1	53.2	53.2	53.2	51.3	53.2	49.4	49.4	45.6	43.8	39.9
82.5°	36.1	36.1	34.2	36.1	34.2	36.1	30.5	30.5	30.5	28.5	24.8
85°	24.8	20.9	20.9	22.8	19.0	22.8	20.9	19.0	17.1	17.1	15.2
87.5°	11.5	13.3	11.5	13.3	11.5	11.5	13.3	11.5	11.5	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4
2.5°	3873.4	3875.3	3875.3	3882.9	3886.6	3888.6	3888.6	3903.9	3898.1	3902.0	3905.7
5°	3818.2	3829.6	3833.4	3833.4	3854.4	3861.9	3869.6	3886.6	3888.6	3899.9	3913.3
7.5°	3765.0	3778.3	3786.0	3803.1	3816.3	3829.6	3852.4	3863.9	3875.3	3890.5	3907.6
10°	3713.7	3728.9	3744.1	3757.4	3778.3	3795.4	3810.6	3837.3	3850.6	3871.5	3894.3
12.5°	3664.4	3685.3	3698.6	3721.3	3744.1	3759.3	3782.1	3806.9	3827.8	3848.6	3875.3
15°	3620.6	3645.3	3660.5	3685.3	3709.9	3730.8	3755.6	3786.0	3801.2	3825.9	3850.6
17.5°	3573.0	3599.8	3618.8	3641.5	3671.9	3694.7	3715.6	3746.0	3765.0	3791.6	3820.2
20°	3523.7	3550.3	3573.0	3596.0	3626.3	3649.0	3673.8	3704.3	3725.1	3751.8	3774.6
22.5°	3464.8	3489.5	3514.2	3540.7	3571.2	3590.2	3618.8	3645.3	3668.1	3692.8	3715.6
25°	3388.7	3419.2	3438.2	3462.9	3487.5	3508.4	3538.9	3565.5	3584.5	3607.3	3628.2
27.5°	3299.4	3322.2	3337.4	3358.4	3383.0	3402.0	3424.8	3451.5	3470.5	3491.4	3506.5
30°	3147.3	3168.3	3181.6	3196.8	3221.4	3238.6	3257.7	3282.3	3295.6	3310.9	3324.2
32.5°	2947.7	2964.9	2972.5	2984.0	3001.0	3018.0	3033.3	3054.3	3060.0	3069.5	3069.5
35°	2658.9	2662.6	2660.8	2664.7	2672.2	2681.7	2695.0	2708.3	2715.9	2715.9	2710.2
37.5°	2320.6	2297.8	2273.1	2254.0	2248.4	2244.6	2252.2	2257.9	2265.5	2269.2	2259.8
40°	1969.1	1917.7	1862.6	1813.2	1779.0	1763.8	1758.0	1761.9	1761.9	1775.1	1775.1
42.5°	1666.8	1586.9	1505.2	1431.1	1381.7	1343.7	1326.6	1326.6	1328.5	1338.1	1343.7
45°	1415.9	1315.2	1220.2	1138.5	1070.0	1020.6	997.8	992.1	990.2	993.9	1007.3
47.5°	1224.0	1119.5	1020.6	919.9	847.7	798.3	777.4	769.7	762.1	769.7	771.6
50°	1073.8	965.5	861.0	760.3	684.2	640.5	613.9	602.4	600.5	600.5	604.4
52.5°	936.9	836.3	731.8	629.1	549.2	507.5	482.7	477.0	469.5	477.0	477.0
55°	807.8	707.1	604.4	507.5	440.9	397.2	374.4	366.9	363.0	368.7	368.7
57.5°	667.1	581.5	486.6	399.2	332.7	302.2	285.1	275.6	273.6	277.4	273.6
60°	547.4	475.2	393.4	313.7	262.3	230.0	216.7	212.8	209.0	212.8	212.8
62.5°	433.4	372.5	306.0	245.1	201.5	178.6	163.5	163.5	161.5	161.5	163.5
65°	321.2	273.6	226.1	174.8	140.6	123.5	112.0	112.0	110.2	112.0	110.2
67.5°	233.8	201.5	163.5	127.4	100.8	91.2	83.6	78.0	81.8	78.0	76.0
70°	171.1	144.5	117.8	97.0	78.0	68.4	62.8	60.8	57.0	57.0	57.0
72.5°	114.1	97.0	79.8	62.8	51.3	41.7	39.9	36.1	32.3	34.2	38.0
75°	76.0	64.6	57.0	45.6	34.2	34.2	22.8	22.8	19.0	22.8	17.1
77.5°	53.2	43.8	34.2	28.5	22.8	20.9	15.2	15.2	13.3	13.3	13.3
80°	38.0	32.3	24.8	20.9	15.2	15.2	13.3	11.5	9.5	9.5	11.5
82.5°	22.8	17.1	17.1	15.2	9.5	7.5	5.7	7.5	3.8	3.8	3.8
85°	13.3	11.5	9.5	5.7	3.8	3.8	1.9	0.0	1.9	1.9	0.0
87.5°	7.5	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°	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4
2.5°	3915.2	3913.3	3917.1	3917.1	3928.5	3926.6	3932.3	3932.3	3928.5	3930.4	3938.0
5°	3928.5	3934.2	3945.6	3955.2	3972.2	3979.8	3989.4	3998.8	4000.7	4006.5	4012.2
7.5°	3928.5	3947.5	3960.8	3977.9	4000.7	4014.0	4034.9	4052.0	4059.7	4069.1	4080.5
10°	3920.8	3939.9	3964.6	3983.6	4012.2	4033.0	4053.9	4080.5	4092.0	4107.2	4122.3
12.5°	3905.7	3926.6	3953.1	3977.9	4010.2	4029.2	4055.8	4080.5	4097.7	4118.5	4135.7
15°	3882.9	3907.6	3932.3	3957.0	3991.2	4014.0	4038.8	4067.2	4084.3	4107.2	4122.3
17.5°	3846.8	3873.4	3896.2	3918.9	3951.3	3977.9	4000.7	4027.4	4044.5	4063.5	4084.3
20°	3803.1	3827.8	3852.4	3871.5	3903.9	3926.6	3951.3	3976.0	3989.4	3993.2	4025.5
22.5°	3747.9	3765.0	3784.0	3814.4	3833.4	3854.4	3877.2	3899.9	3913.3	3934.2	3945.6
25°	3656.7	3673.8	3694.7	3708.0	3730.8	3747.9	3770.8	3795.4	3803.1	3818.2	3829.6
27.5°	3529.4	3538.9	3548.4	3559.7	3573.0	3582.6	3596.0	3607.3	3615.0	3622.5	3630.0
30°	3327.9	3327.9	3327.9	3320.3	3326.0	3331.7	3333.6	3331.7	3331.7	3329.9	3329.9
32.5°	3061.8	3046.6	3029.5	3014.3	3008.6	3001.0	2997.2	2991.5	2982.0	2976.3	2978.2
35°	2702.6	2668.4	2647.6	2628.6	2613.4	2601.9	2596.2	2590.5	2588.6	2581.0	2573.3
37.5°	2254.0	2229.4	2214.2	2202.8	2189.5	2178.1	2179.9	2181.9	2187.6	2183.7	2185.6
40°	1779.0	1773.2	1779.0	1765.7	1761.9	1765.7	1775.1	1788.5	1796.1	1803.7	1817.0
42.5°	1353.3	1362.7	1376.1	1376.1	1381.7	1389.4	1400.7	1421.7	1433.0	1446.3	1461.6
45°	1018.7	1030.2	1047.3	1052.9	1056.7	1066.2	1079.6	1096.6	1104.2	1115.7	1128.9
47.5°	784.9	792.6	802.0	811.6	821.0	824.8	838.1	838.1	847.7	855.3	859.0
50°	612.0	619.5	627.2	632.9	636.8	642.4	646.2	651.9	653.7	657.6	659.5
52.5°	478.9	488.5	488.5	492.2	497.9	503.7	501.8	503.7	505.6	505.6	511.2
55°	374.4	374.4	380.1	380.1	384.0	382.0	384.0	384.0	384.0	384.0	385.9
57.5°	279.3	281.4	287.0	283.2	281.4	285.1	281.4	285.1	283.2	287.0	281.4
60°	214.8	214.8	216.7	216.7	218.6	218.6	218.6	216.7	216.7	214.8	214.8
62.5°	161.5	163.5	165.4	163.5	163.5	163.5	161.5	161.5	159.6	157.7	157.7
65°	108.3	106.4	110.2	106.4	108.3	108.3	106.4	108.3	102.6	104.5	102.6
67.5°	78.0	76.0	74.1	76.0	74.1	72.2	72.2	74.1	76.0	70.3	70.3
70°	51.3	53.2	51.3	53.2	55.1	55.1	53.2	51.3	53.2	49.4	51.3
72.5°	32.3	32.3	32.3	32.3	32.3	34.2	34.2	34.2	30.5	30.5	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	11.5	11.5	11.5	11.5	11.5	11.5	11.5	9.5	11.5	9.5
80°	7.5	7.5	7.5	5.7	7.5	7.5	9.5	7.5	7.5	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: P248634

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4
2.5°	3936.2	3934.2	3936.2	3938.0	3936.2	3934.2	3936.2	3938.0	3930.4	3928.5	3932.3
5°	4019.7	4019.7	4023.4	4025.5	4023.4	4019.7	4019.7	4012.2	4006.5	4000.7	3998.8
7.5°	4092.0	4095.8	4099.5	4101.4	4099.5	4095.8	4092.0	4080.5	4069.1	4059.7	4052.0
10°	4135.7	4141.3	4149.0	4152.7	4149.0	4141.3	4135.7	4122.3	4107.2	4092.0	4080.5
12.5°	4154.7	4160.4	4169.8	4168.0	4169.8	4160.4	4154.7	4135.7	4118.5	4097.7	4080.5
15°	4141.3	4149.0	4158.4	4162.3	4158.4	4149.0	4141.3	4122.3	4107.2	4084.3	4067.2
17.5°	4099.5	4111.0	4116.7	4122.3	4116.7	4111.0	4099.5	4084.3	4063.5	4044.5	4027.4
20°	4042.5	4050.2	4057.8	4059.7	4057.8	4050.2	4042.5	4025.5	3993.2	3989.4	3976.0
22.5°	3960.8	3966.5	3983.6	3977.9	3983.6	3966.5	3960.8	3945.6	3934.2	3913.3	3899.9
25°	3843.0	3848.6	3850.6	3852.4	3850.6	3848.6	3843.0	3829.6	3818.2	3803.1	3795.4
27.5°	3639.6	3639.6	3643.4	3645.3	3643.4	3639.6	3639.6	3630.0	3622.5	3615.0	3607.3
30°	3331.7	3331.7	3331.7	3341.2	3331.7	3331.7	3331.7	3329.9	3329.9	3331.7	3331.7
32.5°	2976.3	2972.5	2968.8	2972.5	2968.8	2972.5	2976.3	2978.2	2976.3	2982.0	2991.5
35°	2573.3	2571.5	2577.2	2569.6	2577.2	2571.5	2573.3	2573.3	2581.0	2588.6	2590.5
37.5°	2187.6	2183.7	2191.4	2183.7	2191.4	2183.7	2187.6	2185.6	2183.7	2187.6	2181.9
40°	1820.8	1824.5	1824.5	1839.8	1824.5	1824.5	1820.8	1817.0	1803.7	1796.1	1788.5
42.5°	1469.1	1480.6	1476.8	1488.1	1476.8	1480.6	1469.1	1461.6	1446.3	1433.0	1421.7
45°	1136.5	1144.2	1144.2	1148.0	1144.2	1144.2	1136.5	1128.9	1115.7	1104.2	1096.6
47.5°	872.3	872.3	872.3	874.2	872.3	872.3	872.3	859.0	855.3	847.7	838.1
50°	663.3	665.2	667.1	669.0	667.1	665.2	663.3	659.5	657.6	653.7	651.9
52.5°	509.4	511.2	507.5	511.2	507.5	511.2	509.4	511.2	505.6	505.6	503.7
55°	385.9	384.0	385.9	387.7	385.9	384.0	385.9	385.9	384.0	384.0	384.0
57.5°	283.2	279.3	279.3	279.3	279.3	279.3	283.2	281.4	287.0	283.2	285.1
60°	210.9	212.8	212.8	214.8	212.8	212.8	210.9	214.8	214.8	216.7	216.7
62.5°	155.8	161.5	157.7	161.5	157.7	161.5	155.8	157.7	157.7	159.6	161.5
65°	100.8	100.8	100.8	102.6	100.8	100.8	100.8	102.6	104.5	102.6	108.3
67.5°	68.4	70.3	74.1	72.2	74.1	70.3	68.4	70.3	70.3	76.0	74.1
70°	55.1	49.4	49.4	55.1	49.4	49.4	55.1	51.3	49.4	53.2	51.3
72.5°	32.3	28.5	32.3	32.3	32.3	28.5	32.3	28.5	30.5	30.5	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°	11.5	9.5	13.3	13.3	13.3	9.5	11.5	9.5	11.5	9.5	11.5
80°	5.7	7.5	5.7	9.5	5.7	7.5	5.7	9.5	5.7	7.5	7.5
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: P248634

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4
2.5°	3932.3	3926.6	3928.5	3917.1	3917.1	3913.3	3915.2	3905.7	3902.0	3898.1	3903.9
5°	3989.4	3979.8	3972.2	3955.2	3945.6	3934.2	3928.5	3913.3	3899.9	3888.6	3886.6
7.5°	4034.9	4014.0	4000.7	3977.9	3960.8	3947.5	3928.5	3907.6	3890.5	3875.3	3863.9
10°	4053.9	4033.0	4012.2	3983.6	3964.6	3939.9	3920.8	3894.3	3871.5	3850.6	3837.3
12.5°	4055.8	4029.2	4010.2	3977.9	3953.1	3926.6	3905.7	3875.3	3848.6	3827.8	3806.9
15°	4038.8	4014.0	3991.2	3957.0	3932.3	3907.6	3882.9	3850.6	3825.9	3801.2	3786.0
17.5°	4000.7	3977.9	3951.3	3918.9	3896.2	3873.4	3846.8	3820.2	3791.6	3765.0	3746.0
20°	3951.3	3926.6	3903.9	3871.5	3852.4	3827.8	3803.1	3774.6	3751.8	3725.1	3704.3
22.5°	3877.2	3854.4	3833.4	3814.4	3784.0	3765.0	3747.9	3715.6	3692.8	3668.1	3645.3
25°	3770.8	3747.9	3730.8	3708.0	3694.7	3673.8	3656.7	3628.2	3607.3	3584.5	3565.5
27.5°	3596.0	3582.6	3573.0	3559.7	3548.4	3538.9	3529.4	3506.5	3491.4	3470.5	3451.5
30°	3333.6	3331.7	3326.0	3320.3	3327.9	3327.9	3327.9	3324.2	3310.9	3295.6	3282.3
32.5°	2997.2	3001.0	3008.6	3014.3	3029.5	3046.6	3061.8	3069.5	3069.5	3060.0	3054.3
35°	2596.2	2601.9	2613.4	2628.6	2647.6	2668.4	2702.6	2710.2	2715.9	2715.9	2708.3
37.5°	2179.9	2178.1	2189.5	2202.8	2214.2	2229.4	2254.0	2259.8	2269.2	2265.5	2257.9
40°	1775.1	1765.7	1761.9	1765.7	1779.0	1773.2	1779.0	1775.1	1775.1	1761.9	1761.9
42.5°	1400.7	1389.4	1381.7	1376.1	1376.1	1362.7	1353.3	1343.7	1338.1	1328.5	1326.6
45°	1079.6	1066.2	1056.7	1052.9	1047.3	1030.2	1018.7	1007.3	993.9	990.2	992.1
47.5°	838.1	824.8	821.0	811.6	802.0	792.6	784.9	771.6	769.7	762.1	769.7
50°	646.2	642.4	636.8	632.9	627.2	619.5	612.0	604.4	600.5	600.5	602.4
52.5°	501.8	503.7	497.9	492.2	488.5	488.5	478.9	477.0	477.0	469.5	477.0
55°	384.0	382.0	384.0	380.1	380.1	374.4	374.4	368.7	368.7	363.0	366.9
57.5°	281.4	285.1	281.4	283.2	287.0	281.4	279.3	273.6	277.4	273.6	275.6
60°	218.6	218.6	218.6	216.7	216.7	214.8	214.8	212.8	212.8	209.0	212.8
62.5°	161.5	163.5	163.5	163.5	165.4	163.5	161.5	163.5	161.5	161.5	163.5
65°	106.4	108.3	108.3	106.4	110.2	106.4	108.3	110.2	112.0	110.2	112.0
67.5°	72.2	72.2	74.1	76.0	74.1	76.0	78.0	76.0	78.0	81.8	78.0
70°	53.2	55.1	55.1	53.2	51.3	53.2	51.3	57.0	57.0	57.0	60.8
72.5°	34.2	34.2	32.3	32.3	32.3	32.3	32.3	38.0	34.2	32.3	36.1
75°	19.0	20.9	20.9	15.2	17.1	20.9	15.2	17.1	22.8	19.0	22.8
77.5°	11.5	11.5	11.5	11.5	11.5	11.5	15.2	13.3	13.3	13.3	15.2
80°	9.5	7.5	7.5	5.7	7.5	7.5	7.5	11.5	9.5	9.5	11.5
82.5°	3.8	3.8	1.9	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.5
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: P248634

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4
2.5°	3888.6	3888.6	3886.6	3882.9	3875.3	3875.3	3873.4	3867.6	3863.9	3861.9	3861.9
5°	3869.6	3861.9	3854.4	3833.4	3833.4	3829.6	3818.2	3810.6	3806.9	3797.3	3793.6
7.5°	3852.4	3829.6	3816.3	3803.1	3786.0	3778.3	3765.0	3759.3	3746.0	3736.6	3730.8
10°	3810.6	3795.4	3778.3	3757.4	3744.1	3728.9	3713.7	3702.4	3685.3	3675.7	3668.1
12.5°	3782.1	3759.3	3744.1	3721.3	3698.6	3685.3	3664.4	3651.1	3633.9	3615.0	3603.5
15°	3755.6	3730.8	3709.9	3685.3	3660.5	3645.3	3620.6	3605.4	3580.8	3561.8	3548.4
17.5°	3715.6	3694.7	3671.9	3641.5	3618.8	3599.8	3573.0	3554.1	3531.3	3506.5	3493.2
20°	3673.8	3649.0	3626.3	3596.0	3573.0	3550.3	3523.7	3502.8	3476.1	3453.4	3438.2
22.5°	3618.8	3590.2	3571.2	3540.7	3514.2	3489.5	3464.8	3440.0	3415.4	3396.4	3379.2
25°	3538.9	3508.4	3487.5	3462.9	3438.2	3419.2	3388.7	3373.5	3348.9	3331.7	3314.6
27.5°	3424.8	3402.0	3383.0	3358.4	3337.4	3322.2	3299.4	3284.2	3263.3	3248.1	3234.8
30°	3257.7	3238.6	3221.4	3196.8	3181.6	3168.3	3147.3	3134.0	3118.8	3101.7	3097.9
32.5°	3033.3	3018.0	3001.0	2984.0	2972.5	2964.9	2947.7	2940.2	2925.0	2915.4	2906.0
35°	2695.0	2681.7	2672.2	2664.7	2660.8	2662.6	2658.9	2666.5	2670.3	2668.4	2670.3
37.5°	2252.2	2244.6	2248.4	2254.0	2273.1	2297.8	2320.6	2354.7	2377.6	2400.5	2421.3
40°	1758.0	1763.8	1779.0	1813.2	1862.6	1917.7	1969.1	2033.7	2098.2	2143.9	2185.6
42.5°	1326.6	1343.7	1381.7	1431.1	1505.2	1586.9	1666.8	1761.9	1839.8	1915.8	1969.1
45°	997.8	1020.6	1070.0	1138.5	1220.2	1315.2	1415.9	1522.4	1615.5	1693.5	1752.3
47.5°	777.4	798.3	847.7	919.9	1020.6	1119.5	1224.0	1334.2	1431.1	1507.2	1558.5
50°	613.9	640.5	684.2	760.3	861.0	965.5	1073.8	1182.1	1273.4	1338.1	1383.6
52.5°	482.7	507.5	549.2	629.1	731.8	836.3	936.9	1043.4	1123.2	1186.0	1216.4
55°	374.4	397.2	440.9	507.5	604.4	707.1	807.8	899.0	973.1	1018.7	1047.3
57.5°	285.1	302.2	332.7	399.2	486.6	581.5	667.1	758.4	815.4	847.7	866.6
60°	216.7	230.0	262.3	313.7	393.4	475.2	547.4	615.8	661.4	688.1	707.1
62.5°	163.5	178.6	201.5	245.1	306.0	372.5	433.4	484.6	522.7	539.8	553.1
65°	112.0	123.5	140.6	174.8	226.1	273.6	321.2	359.2	384.0	403.0	410.5
67.5°	83.6	91.2	100.8	127.4	163.5	201.5	233.8	260.3	287.0	294.6	307.9
70°	62.8	68.4	78.0	97.0	117.8	144.5	171.1	186.3	205.3	218.6	222.4
72.5°	39.9	41.7	51.3	62.8	79.8	97.0	114.1	127.4	138.8	146.4	150.1
75°	22.8	34.2	34.2	45.6	57.0	64.6	76.0	85.5	91.2	97.0	97.0
77.5°	15.2	20.9	22.8	28.5	34.2	43.8	53.2	59.0	64.6	66.5	66.5
80°	13.3	15.2	15.2	20.9	24.8	32.3	38.0	39.9	43.8	45.6	49.4
82.5°	5.7	7.5	9.5	15.2	17.1	17.1	22.8	24.8	28.5	30.5	30.5
85°	1.9	3.8	3.8	5.7	9.5	11.5	13.3	15.2	17.1	17.1	19.0
87.5°	1.9	1.9	0.0	1.9	3.8	3.8	7.5	7.5	7.5	11.5	11.5
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: P248634

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4	3892.4
2.5°	3858.2	3860.1	3852.4	3850.6	3846.8	3848.6	3852.4
5°	3787.9	3789.8	3782.1	3774.6	3774.6	3772.6	3774.6
7.5°	3721.3	3723.3	3711.8	3708.0	3700.5	3702.4	3702.4
10°	3654.8	3654.8	3637.8	3635.8	3630.0	3628.2	3628.2
12.5°	3590.2	3584.5	3571.2	3563.6	3567.4	3556.0	3556.0
15°	3533.2	3523.7	3506.5	3500.9	3491.4	3487.5	3487.5
17.5°	3474.2	3466.7	3451.5	3440.0	3428.7	3426.8	3428.7
20°	3417.2	3409.6	3390.6	3383.0	3373.5	3373.5	3369.7
22.5°	3360.2	3352.6	3335.5	3329.9	3316.5	3316.5	3318.4
25°	3301.3	3295.6	3276.6	3272.8	3270.9	3263.3	3267.1
27.5°	3221.4	3217.6	3202.4	3196.8	3189.2	3187.4	3191.1
30°	3075.1	3069.5	3058.1	3052.4	3039.1	3041.0	3044.7
32.5°	2892.7	2885.1	2869.9	2864.1	2852.8	2849.0	2850.9
35°	2664.7	2658.9	2645.7	2645.7	2634.2	2630.4	2634.2
37.5°	2432.8	2438.4	2432.8	2438.4	2432.8	2430.8	2432.8
40°	2214.2	2235.2	2238.9	2259.8	2252.2	2263.6	2261.7
42.5°	2005.1	2039.3	2052.7	2069.7	2066.0	2073.6	2079.2
45°	1794.2	1822.7	1836.0	1847.4	1849.3	1853.1	1855.0
47.5°	1594.6	1617.4	1619.3	1632.6	1630.7	1630.7	1636.4
50°	1408.4	1423.6	1427.3	1436.9	1429.2	1425.4	1427.3
52.5°	1235.4	1250.6	1246.7	1250.6	1241.1	1237.3	1239.2
55°	1058.6	1066.2	1066.2	1066.2	1054.8	1054.8	1054.8
57.5°	878.1	880.0	876.2	878.1	876.2	864.8	862.9
60°	712.8	712.8	710.8	712.8	707.1	701.3	701.3
62.5°	556.9	560.7	568.2	560.7	556.9	560.7	555.0
65°	416.2	423.9	421.9	425.7	423.9	423.9	420.0
67.5°	313.7	315.4	317.4	319.4	319.4	319.4	319.4
70°	230.0	235.7	233.8	233.8	233.8	233.8	245.1
72.5°	153.9	161.5	159.6	163.5	163.5	167.3	163.5
75°	104.5	112.0	108.3	114.1	112.0	108.3	117.8
77.5°	70.3	74.1	76.0	78.0	76.0	74.1	76.0
80°	49.4	53.2	51.3	53.2	53.2	53.2	55.1
82.5°	30.5	36.1	34.2	36.1	34.2	36.1	36.1
85°	20.9	22.8	19.0	22.8	20.9	20.9	24.8
87.5°	13.3	11.5	11.5	13.3	11.5	13.3	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)