

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: P248560

Luminaire Tested: **LD8B60D010 ER8B60835 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248560  
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: LD8B60D010 ER8B60835 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6237.0 lumens  
Efficiency: N/A  
Efficacy: 104.8 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

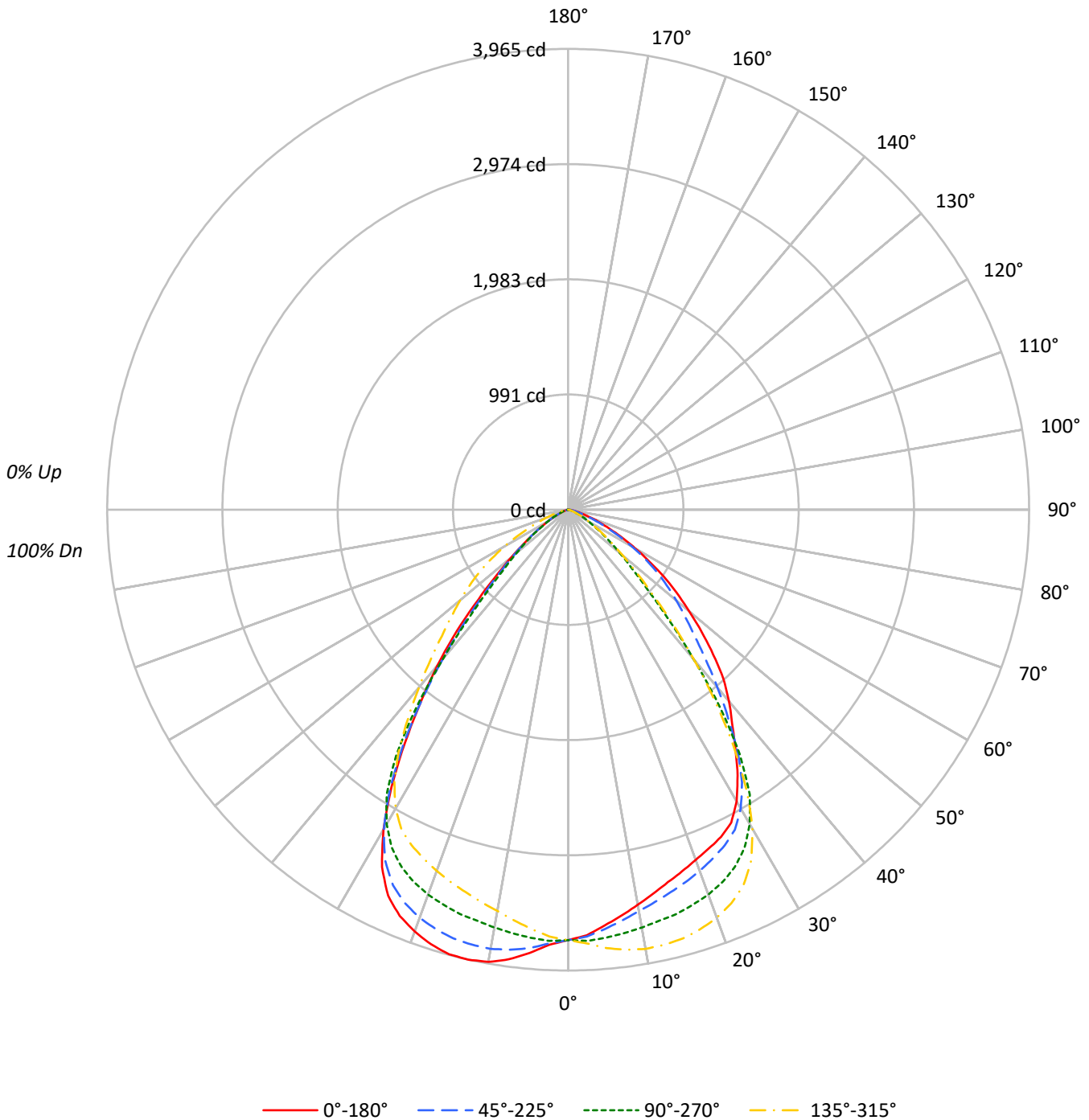
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	114178	114178	114178	114178
5°	111144	114447	118533	114447
10°	108070	114295	123695	114295
15°	105911	114975	126400	114975
20°	105190	115631	126726	115631
25°	105744	115400	124692	115400
30°	103128	111175	113172	111175
35°	94333	96983	92017	96983
40°	86606	67466	70448	67466
45°	76953	41158	47621	41158
50°	65133	27493	30530	27493
55°	53944	18757	19827	18757
60°	41148	12489	12600	12489
65°	29149	7778	7121	7778
70°	21025	5211	4733	5211
75°	13356	2585	2156	2585
80°	9323	1936	1598	1936
85°	8314	0	637	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.4	5.7
10°-20°	1020.6	16.4
20°-30°	1545.4	24.8
30°-40°	1548.8	24.8
40°-50°	972.6	15.6
50°-60°	518.3	8.3
60°-70°	213.1	3.4
70°-80°	56.3	0.9
80°-90°	9.5	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°	2918.3	46.8
0°-40°	4467.2	71.6
0°-60°	5958.0	95.5
0°-90°	6237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6237.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3703	3703	3703	3703	3703	
5°	3591	3697	3829	3697	3591	339
15°	3318	3602	3959	3602	3318	938
25°	3108	3392	3665	3392	3108	1425
35°	2506	2576	2444	2576	2506	1570
45°	1765	944	1092	944	1765	1357
55°	1003	349	369	349	1003	895
65°	400	107	98	107	400	414
75°	112	22	18	22	112	127
85°	24	0	2	0	24	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°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3664.8	3661.1	3659.3	3663.0	3664.8	3672.0	3670.2	3673.8	3673.8	3675.6	3679.2
5°	3590.6	3588.8	3590.6	3590.6	3597.9	3605.1	3603.3	3608.7	3612.3	3621.4	3624.9
7.5°	3521.9	3521.9	3520.1	3527.3	3531.0	3541.8	3540.0	3549.0	3554.5	3563.5	3576.1
10°	3451.4	3451.4	3453.2	3458.6	3460.5	3476.7	3476.7	3489.4	3496.6	3505.7	3521.9
12.5°	3382.7	3382.7	3393.6	3389.9	3397.2	3409.8	3415.2	3427.9	3438.8	3456.8	3473.1
15°	3317.6	3317.6	3321.2	3330.3	3335.7	3352.0	3361.0	3375.5	3388.1	3406.2	3429.7
17.5°	3261.6	3259.8	3261.6	3272.4	3283.3	3297.7	3304.9	3323.0	3335.7	3359.2	3380.9
20°	3205.5	3209.2	3209.2	3218.2	3225.4	3243.5	3250.7	3270.6	3285.1	3306.7	3332.1
22.5°	3156.7	3154.9	3154.9	3167.6	3173.0	3189.2	3196.4	3214.5	3230.8	3248.9	3272.4
25°	3107.9	3104.2	3111.5	3113.3	3116.9	3135.0	3140.4	3153.1	3169.4	3185.7	3209.2
27.5°	3035.6	3032.0	3033.8	3041.0	3046.4	3060.9	3064.5	3077.2	3089.8	3104.2	3124.2
30°	2896.3	2892.8	2891.0	2903.6	2909.0	2919.8	2925.3	2947.0	2950.6	2966.9	2981.3
32.5°	2711.9	2710.1	2713.8	2724.6	2730.0	2744.5	2751.7	2764.4	2773.4	2782.5	2796.9
35°	2505.9	2502.2	2505.9	2516.7	2516.7	2529.4	2534.8	2540.2	2538.4	2540.2	2536.6
37.5°	2314.2	2312.4	2314.2	2319.6	2314.2	2319.6	2314.2	2303.4	2283.5	2261.8	2240.0
40°	2151.5	2153.3	2142.5	2149.7	2129.7	2126.2	2106.3	2079.1	2039.4	1996.0	1934.6
42.5°	1977.9	1972.5	1965.3	1968.9	1952.6	1939.9	1907.4	1873.1	1822.4	1750.1	1676.0
45°	1764.6	1762.8	1759.2	1757.4	1746.5	1733.8	1706.7	1666.9	1610.9	1536.8	1448.2
47.5°	1556.7	1551.2	1551.2	1553.0	1540.4	1538.6	1516.8	1482.5	1433.7	1361.4	1269.2
50°	1357.7	1356.0	1359.6	1366.8	1357.7	1354.2	1339.7	1316.2	1272.8	1211.4	1124.5
52.5°	1178.8	1177.0	1180.6	1189.6	1186.0	1189.6	1175.2	1157.1	1128.2	1068.5	992.6
55°	1003.4	1003.4	1003.4	1014.2	1014.2	1014.2	1007.0	996.2	969.1	925.7	855.2
57.5°	820.8	822.6	833.5	835.3	833.5	837.1	835.3	824.4	806.4	775.7	721.4
60°	667.2	667.2	672.6	678.0	676.2	678.0	678.0	672.6	654.5	629.2	585.8
62.5°	527.9	533.3	529.7	533.3	540.6	533.3	529.7	526.1	513.5	497.2	461.0
65°	399.5	403.2	403.2	405.0	401.3	403.2	396.0	390.5	383.3	365.2	341.7
67.5°	303.8	303.8	303.8	303.8	301.9	300.1	298.3	292.9	280.3	273.0	247.7
70°	233.2	222.4	222.4	222.4	222.4	224.2	218.8	211.6	207.9	195.3	177.2
72.5°	155.5	159.1	155.5	155.5	151.9	153.7	146.5	142.8	139.2	132.0	121.2
75°	112.1	103.1	106.6	108.5	103.1	106.6	99.4	92.2	92.2	86.8	81.3
77.5°	72.3	70.5	72.3	74.1	72.3	70.5	66.9	63.3	63.3	61.5	56.0
80°	52.5	50.6	50.6	50.6	48.8	50.6	47.0	47.0	43.4	41.6	38.0
82.5°	34.4	34.4	32.5	34.4	32.5	34.4	28.9	28.9	28.9	27.1	23.5
85°	23.5	19.9	19.9	21.7	18.1	21.7	19.9	18.1	16.3	16.3	14.4
87.5°	10.9	12.7	10.9	12.7	10.9	10.9	12.7	10.9	10.9	7.2	7.2
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°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3684.6	3686.4	3686.4	3693.7	3697.3	3699.1	3699.1	3713.6	3708.1	3711.8	3715.4
5°	3632.2	3643.0	3646.7	3646.7	3666.5	3673.8	3681.0	3697.3	3699.1	3709.9	3722.6
7.5°	3581.6	3594.2	3601.5	3617.7	3630.4	3643.0	3664.8	3675.6	3686.4	3700.9	3717.1
10°	3532.7	3547.3	3561.7	3574.3	3594.2	3610.5	3624.9	3650.2	3663.0	3682.8	3704.5
12.5°	3485.8	3505.7	3518.3	3540.0	3561.7	3576.1	3597.9	3621.4	3641.2	3661.1	3686.4
15°	3444.2	3467.7	3482.1	3505.7	3529.2	3549.0	3572.6	3601.5	3615.9	3639.5	3663.0
17.5°	3398.9	3424.3	3442.4	3464.1	3493.0	3514.7	3534.6	3563.5	3581.6	3606.9	3634.0
20°	3352.0	3377.3	3398.9	3420.7	3449.6	3471.3	3494.8	3523.7	3543.6	3568.9	3590.6
22.5°	3295.9	3319.5	3342.9	3368.2	3397.2	3415.2	3442.4	3467.7	3489.4	3512.9	3534.6
25°	3223.6	3252.6	3270.6	3294.1	3317.6	3337.5	3366.4	3391.7	3409.8	3431.5	3451.4
27.5°	3138.6	3160.4	3174.8	3194.7	3218.2	3236.3	3257.9	3283.3	3301.4	3321.2	3335.7
30°	2994.0	3013.9	3026.6	3041.0	3064.5	3080.8	3098.9	3122.3	3135.0	3149.5	3162.1
32.5°	2804.1	2820.4	2827.6	2838.5	2854.8	2871.0	2885.5	2905.4	2910.8	2919.8	2919.8
35°	2529.4	2532.9	2531.2	2534.8	2542.0	2551.0	2563.7	2576.3	2583.5	2583.5	2578.2
37.5°	2207.5	2185.9	2162.3	2144.3	2138.8	2135.2	2142.5	2147.8	2155.1	2158.7	2149.7
40°	1873.1	1824.3	1771.8	1724.8	1692.3	1677.8	1672.4	1676.0	1676.0	1688.6	1688.6
42.5°	1585.6	1509.6	1431.9	1361.4	1314.4	1278.3	1262.0	1262.0	1263.8	1272.8	1278.3
45°	1347.0	1251.1	1160.7	1083.0	1017.9	970.8	949.2	943.8	942.0	945.5	958.2
47.5°	1164.3	1064.9	970.8	875.1	806.4	759.4	739.5	732.2	725.0	732.2	734.1
50°	1021.5	918.5	819.0	723.2	650.9	609.3	584.0	573.1	571.3	571.3	574.9
52.5°	891.3	795.5	696.1	598.5	522.5	482.7	459.2	453.8	446.6	453.8	453.8
55°	768.4	672.6	574.9	482.7	419.4	377.9	356.2	348.9	345.3	350.7	350.7
57.5°	634.6	553.2	462.9	379.7	316.4	287.5	271.2	262.2	260.3	264.0	260.3
60°	520.7	452.0	374.2	298.3	249.5	218.8	206.1	202.5	198.8	202.5	202.5
62.5°	412.2	354.4	291.0	233.2	191.6	170.0	155.5	155.5	153.7	153.7	155.5
65°	305.6	260.3	215.1	166.3	133.8	117.5	106.6	106.6	104.9	106.6	104.9
67.5°	222.4	191.6	155.5	121.2	95.8	86.8	79.6	74.1	77.8	74.1	72.3
70°	162.8	137.4	112.1	92.2	74.1	65.1	59.7	57.8	54.3	54.3	54.3
72.5°	108.5	92.2	75.9	59.7	48.8	39.7	38.0	34.4	30.7	32.5	36.2
75°	72.3	61.5	54.3	43.4	32.5	32.5	21.7	21.7	18.1	21.7	16.3
77.5°	50.6	41.6	32.5	27.1	21.7	19.9	14.4	14.4	12.7	12.7	12.7
80°	36.2	30.7	23.5	19.9	14.4	14.4	12.7	10.9	9.0	9.0	10.9
82.5°	21.7	16.3	16.3	14.4	9.0	7.2	5.4	7.2	3.6	3.6	3.6
85°	12.7	10.9	9.0	5.4	3.6	3.6	1.8	0.0	1.8	1.8	0.0
87.5°	7.2	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°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3724.4	3722.6	3726.2	3726.2	3737.1	3735.2	3740.7	3740.7	3737.1	3738.9	3746.1
5°	3737.1	3742.5	3753.3	3762.4	3778.6	3785.9	3794.9	3804.0	3805.8	3811.2	3816.6
7.5°	3737.1	3755.2	3767.8	3784.0	3805.8	3818.4	3838.3	3854.6	3861.8	3870.8	3881.7
10°	3729.8	3747.9	3771.4	3789.5	3816.6	3836.5	3856.4	3881.7	3892.5	3907.0	3921.5
12.5°	3715.4	3735.2	3760.5	3784.0	3814.8	3832.9	3858.2	3881.7	3898.0	3917.8	3934.1
15°	3693.7	3717.1	3740.7	3764.2	3796.7	3818.4	3841.9	3869.0	3885.3	3907.0	3921.5
17.5°	3659.3	3684.6	3706.4	3728.0	3758.7	3784.0	3805.8	3831.1	3847.4	3865.5	3885.3
20°	3617.7	3641.2	3664.8	3682.8	3713.6	3735.2	3758.7	3782.3	3794.9	3798.6	3829.3
22.5°	3565.3	3581.6	3599.6	3628.6	3646.7	3666.5	3688.3	3709.9	3722.6	3742.5	3753.3
25°	3478.5	3494.8	3514.7	3527.3	3549.0	3565.3	3587.0	3610.5	3617.7	3632.2	3643.0
27.5°	3357.4	3366.4	3375.5	3386.3	3398.9	3408.0	3420.7	3431.5	3438.8	3446.0	3453.2
30°	3165.7	3165.7	3165.7	3158.5	3163.9	3169.4	3171.1	3169.4	3169.4	3167.6	3167.6
32.5°	2912.6	2898.2	2881.9	2867.4	2862.0	2854.8	2851.2	2845.7	2836.7	2831.3	2833.1
35°	2570.9	2538.4	2518.5	2500.4	2486.0	2475.1	2469.7	2464.3	2462.5	2455.3	2448.0
37.5°	2144.3	2120.7	2106.3	2095.4	2082.8	2071.9	2073.7	2075.6	2080.9	2077.4	2079.1
40°	1692.3	1686.8	1692.3	1679.6	1676.0	1679.6	1688.6	1701.3	1708.5	1715.8	1728.4
42.5°	1287.3	1296.3	1309.0	1309.0	1314.4	1321.7	1332.4	1352.4	1363.2	1375.8	1390.3
45°	969.1	979.9	996.2	1001.6	1005.2	1014.2	1027.0	1043.2	1050.4	1061.3	1073.9
47.5°	746.7	753.9	762.9	772.0	781.0	784.7	797.3	797.3	806.4	813.6	817.2
50°	582.2	589.4	596.6	602.0	605.7	611.1	614.7	620.1	621.9	625.6	627.3
52.5°	455.6	464.7	464.7	468.2	473.7	479.1	477.3	479.1	480.9	480.9	486.3
55°	356.2	356.2	361.6	361.6	365.2	363.4	365.2	365.2	365.2	365.2	367.0
57.5°	265.7	267.6	273.0	269.4	267.6	271.2	267.6	271.2	269.4	273.0	267.6
60°	204.3	204.3	206.1	206.1	207.9	207.9	207.9	206.1	206.1	204.3	204.3
62.5°	153.7	155.5	157.3	155.5	155.5	155.5	153.7	153.7	151.9	150.0	150.0
65°	103.1	101.3	104.9	101.3	103.1	103.1	101.3	103.1	97.6	99.4	97.6
67.5°	74.1	72.3	70.5	72.3	70.5	68.7	68.7	70.5	72.3	66.9	66.9
70°	48.8	50.6	48.8	50.6	52.5	52.5	50.6	48.8	50.6	47.0	48.8
72.5°	30.7	30.7	30.7	30.7	30.7	32.5	32.5	32.5	28.9	28.9	27.1
75°	14.4	19.9	16.3	14.4	19.9	19.9	18.1	18.1	16.3	16.3	16.3
77.5°	14.4	10.9	10.9	10.9	10.9	10.9	10.9	10.9	9.0	10.9	9.0
80°	7.2	7.2	7.2	5.4	7.2	7.2	9.0	7.2	7.2	5.4	9.0
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: P248560

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3744.3	3742.5	3744.3	3746.1	3744.3	3742.5	3744.3	3746.1	3738.9	3737.1	3740.7
5°	3823.9	3823.9	3827.4	3829.3	3827.4	3823.9	3823.9	3816.6	3811.2	3805.8	3804.0
7.5°	3892.5	3896.2	3899.8	3901.6	3899.8	3896.2	3892.5	3881.7	3870.8	3861.8	3854.6
10°	3934.1	3939.6	3946.8	3950.4	3946.8	3939.6	3934.1	3921.5	3907.0	3892.5	3881.7
12.5°	3952.2	3957.7	3966.7	3964.9	3966.7	3957.7	3952.2	3934.1	3917.8	3898.0	3881.7
15°	3939.6	3946.8	3955.8	3959.4	3955.8	3946.8	3939.6	3921.5	3907.0	3885.3	3869.0
17.5°	3899.8	3910.6	3916.1	3921.5	3916.1	3910.6	3899.8	3885.3	3865.5	3847.4	3831.1
20°	3845.5	3852.8	3860.0	3861.8	3860.0	3852.8	3845.5	3829.3	3798.6	3794.9	3782.3
22.5°	3767.8	3773.3	3789.5	3784.0	3789.5	3773.3	3767.8	3753.3	3742.5	3722.6	3709.9
25°	3655.7	3661.1	3663.0	3664.8	3663.0	3661.1	3655.7	3643.0	3632.2	3617.7	3610.5
27.5°	3462.3	3462.3	3465.8	3467.7	3465.8	3462.3	3462.3	3453.2	3446.0	3438.8	3431.5
30°	3169.4	3169.4	3169.4	3178.4	3169.4	3169.4	3169.4	3167.6	3167.6	3169.4	3169.4
32.5°	2831.3	2827.6	2824.1	2827.6	2824.1	2827.6	2831.3	2833.1	2831.3	2836.7	2845.7
35°	2448.0	2446.2	2451.6	2444.4	2451.6	2446.2	2448.0	2448.0	2455.3	2462.5	2464.3
37.5°	2080.9	2077.4	2084.6	2077.4	2084.6	2077.4	2080.9	2079.1	2077.4	2080.9	2075.6
40°	1732.1	1735.6	1735.6	1750.1	1735.6	1735.6	1732.1	1728.4	1715.8	1708.5	1701.3
42.5°	1397.6	1408.4	1404.8	1415.6	1404.8	1408.4	1397.6	1390.3	1375.8	1363.2	1352.4
45°	1081.1	1088.4	1088.4	1092.0	1088.4	1088.4	1081.1	1073.9	1061.3	1050.4	1043.2
47.5°	829.8	829.8	829.8	831.7	829.8	829.8	829.8	817.2	813.6	806.4	797.3
50°	631.0	632.8	634.6	636.4	634.6	632.8	631.0	627.3	625.6	621.9	620.1
52.5°	484.5	486.3	482.7	486.3	482.7	486.3	484.5	486.3	480.9	480.9	479.1
55°	367.0	365.2	367.0	368.8	367.0	365.2	367.0	367.0	365.2	365.2	365.2
57.5°	269.4	265.7	265.7	265.7	265.7	265.7	269.4	267.6	273.0	269.4	271.2
60°	200.7	202.5	202.5	204.3	202.5	202.5	200.7	204.3	204.3	206.1	206.1
62.5°	148.2	153.7	150.0	153.7	150.0	153.7	148.2	150.0	150.0	151.9	153.7
65°	95.8	95.8	95.8	97.6	95.8	95.8	95.8	97.6	99.4	97.6	103.1
67.5°	65.1	66.9	70.5	68.7	70.5	66.9	65.1	66.9	66.9	72.3	70.5
70°	52.5	47.0	47.0	52.5	47.0	47.0	52.5	48.8	47.0	50.6	48.8
72.5°	30.7	27.1	30.7	30.7	30.7	27.1	30.7	27.1	28.9	28.9	32.5
75°	16.3	14.4	12.7	18.1	12.7	14.4	16.3	16.3	16.3	16.3	18.1
77.5°	10.9	9.0	12.7	12.7	12.7	9.0	10.9	9.0	10.9	9.0	10.9
80°	5.4	7.2	5.4	9.0	5.4	7.2	5.4	9.0	5.4	7.2	7.2
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: P248560

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3740.7	3735.2	3737.1	3726.2	3726.2	3722.6	3724.4	3715.4	3711.8	3708.1	3713.6
5°	3794.9	3785.9	3778.6	3762.4	3753.3	3742.5	3737.1	3722.6	3709.9	3699.1	3697.3
7.5°	3838.3	3818.4	3805.8	3784.0	3767.8	3755.2	3737.1	3717.1	3700.9	3686.4	3675.6
10°	3856.4	3836.5	3816.6	3789.5	3771.4	3747.9	3729.8	3704.5	3682.8	3663.0	3650.2
12.5°	3858.2	3832.9	3814.8	3784.0	3760.5	3735.2	3715.4	3686.4	3661.1	3641.2	3621.4
15°	3841.9	3818.4	3796.7	3764.2	3740.7	3717.1	3693.7	3663.0	3639.5	3615.9	3601.5
17.5°	3805.8	3784.0	3758.7	3728.0	3706.4	3684.6	3659.3	3634.0	3606.9	3581.6	3563.5
20°	3758.7	3735.2	3713.6	3682.8	3664.8	3641.2	3617.7	3590.6	3568.9	3543.6	3523.7
22.5°	3688.3	3666.5	3646.7	3628.6	3599.6	3581.6	3565.3	3534.6	3512.9	3489.4	3467.7
25°	3587.0	3565.3	3549.0	3527.3	3514.7	3494.8	3478.5	3451.4	3431.5	3409.8	3391.7
27.5°	3420.7	3408.0	3398.9	3386.3	3375.5	3366.4	3357.4	3335.7	3321.2	3301.4	3283.3
30°	3171.1	3169.4	3163.9	3158.5	3165.7	3165.7	3165.7	3162.1	3149.5	3135.0	3122.3
32.5°	2851.2	2854.8	2862.0	2867.4	2881.9	2898.2	2912.6	2919.8	2919.8	2910.8	2905.4
35°	2469.7	2475.1	2486.0	2500.4	2518.5	2538.4	2570.9	2578.2	2583.5	2583.5	2576.3
37.5°	2073.7	2071.9	2082.8	2095.4	2106.3	2120.7	2144.3	2149.7	2158.7	2155.1	2147.8
40°	1688.6	1679.6	1676.0	1679.6	1692.3	1686.8	1692.3	1688.6	1688.6	1676.0	1676.0
42.5°	1332.4	1321.7	1314.4	1309.0	1309.0	1296.3	1287.3	1278.3	1272.8	1263.8	1262.0
45°	1027.0	1014.2	1005.2	1001.6	996.2	979.9	969.1	958.2	945.5	942.0	943.8
47.5°	797.3	784.7	781.0	772.0	762.9	753.9	746.7	734.1	732.2	725.0	732.2
50°	614.7	611.1	605.7	602.0	596.6	589.4	582.2	574.9	571.3	571.3	573.1
52.5°	477.3	479.1	473.7	468.2	464.7	464.7	455.6	453.8	453.8	446.6	453.8
55°	365.2	363.4	365.2	361.6	361.6	356.2	356.2	350.7	350.7	345.3	348.9
57.5°	267.6	271.2	267.6	269.4	273.0	267.6	265.7	260.3	264.0	260.3	262.2
60°	207.9	207.9	207.9	206.1	206.1	204.3	204.3	202.5	202.5	198.8	202.5
62.5°	153.7	155.5	155.5	155.5	157.3	155.5	153.7	155.5	153.7	153.7	155.5
65°	101.3	103.1	103.1	101.3	104.9	101.3	103.1	104.9	106.6	104.9	106.6
67.5°	68.7	68.7	70.5	72.3	70.5	72.3	74.1	72.3	74.1	77.8	74.1
70°	50.6	52.5	52.5	50.6	48.8	50.6	48.8	54.3	54.3	54.3	57.8
72.5°	32.5	32.5	30.7	30.7	30.7	30.7	30.7	36.2	32.5	30.7	34.4
75°	18.1	19.9	19.9	14.4	16.3	19.9	14.4	16.3	21.7	18.1	21.7
77.5°	10.9	10.9	10.9	10.9	10.9	10.9	14.4	12.7	12.7	12.7	14.4
80°	9.0	7.2	7.2	5.4	7.2	7.2	7.2	10.9	9.0	9.0	10.9
82.5°	3.6	3.6	1.8	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.2
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: P248560

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3699.1	3699.1	3697.3	3693.7	3686.4	3686.4	3684.6	3679.2	3675.6	3673.8	3673.8
5°	3681.0	3673.8	3666.5	3646.7	3646.7	3643.0	3632.2	3624.9	3621.4	3612.3	3608.7
7.5°	3664.8	3643.0	3630.4	3617.7	3601.5	3594.2	3581.6	3576.1	3563.5	3554.5	3549.0
10°	3624.9	3610.5	3594.2	3574.3	3561.7	3547.3	3532.7	3521.9	3505.7	3496.6	3489.4
12.5°	3597.9	3576.1	3561.7	3540.0	3518.3	3505.7	3485.8	3473.1	3456.8	3438.8	3427.9
15°	3572.6	3549.0	3529.2	3505.7	3482.1	3467.7	3444.2	3429.7	3406.2	3388.1	3375.5
17.5°	3534.6	3514.7	3493.0	3464.1	3442.4	3424.3	3398.9	3380.9	3359.2	3335.7	3323.0
20°	3494.8	3471.3	3449.6	3420.7	3398.9	3377.3	3352.0	3332.1	3306.7	3285.1	3270.6
22.5°	3442.4	3415.2	3397.2	3368.2	3342.9	3319.5	3295.9	3272.4	3248.9	3230.8	3214.5
25°	3366.4	3337.5	3317.6	3294.1	3270.6	3252.6	3223.6	3209.2	3185.7	3169.4	3153.1
27.5°	3257.9	3236.3	3218.2	3194.7	3174.8	3160.4	3138.6	3124.2	3104.2	3089.8	3077.2
30°	3098.9	3080.8	3064.5	3041.0	3026.6	3013.9	2994.0	2981.3	2966.9	2950.6	2947.0
32.5°	2885.5	2871.0	2854.8	2838.5	2827.6	2820.4	2804.1	2796.9	2782.5	2773.4	2764.4
35°	2563.7	2551.0	2542.0	2534.8	2531.2	2532.9	2529.4	2536.6	2540.2	2538.4	2540.2
37.5°	2142.5	2135.2	2138.8	2144.3	2162.3	2185.9	2207.5	2240.0	2261.8	2283.5	2303.4
40°	1672.4	1677.8	1692.3	1724.8	1771.8	1824.3	1873.1	1934.6	1996.0	2039.4	2079.1
42.5°	1262.0	1278.3	1314.4	1361.4	1431.9	1509.6	1585.6	1676.0	1750.1	1822.4	1873.1
45°	949.2	970.8	1017.9	1083.0	1160.7	1251.1	1347.0	1448.2	1536.8	1610.9	1666.9
47.5°	739.5	759.4	806.4	875.1	970.8	1064.9	1164.3	1269.2	1361.4	1433.7	1482.5
50°	584.0	609.3	650.9	723.2	819.0	918.5	1021.5	1124.5	1211.4	1272.8	1316.2
52.5°	459.2	482.7	522.5	598.5	696.1	795.5	891.3	992.6	1068.5	1128.2	1157.1
55°	356.2	377.9	419.4	482.7	574.9	672.6	768.4	855.2	925.7	969.1	996.2
57.5°	271.2	287.5	316.4	379.7	462.9	553.2	634.6	721.4	775.7	806.4	824.4
60°	206.1	218.8	249.5	298.3	374.2	452.0	520.7	585.8	629.2	654.5	672.6
62.5°	155.5	170.0	191.6	233.2	291.0	354.4	412.2	461.0	497.2	513.5	526.1
65°	106.6	117.5	133.8	166.3	215.1	260.3	305.6	341.7	365.2	383.3	390.5
67.5°	79.6	86.8	95.8	121.2	155.5	191.6	222.4	247.7	273.0	280.3	292.9
70°	59.7	65.1	74.1	92.2	112.1	137.4	162.8	177.2	195.3	207.9	211.6
72.5°	38.0	39.7	48.8	59.7	75.9	92.2	108.5	121.2	132.0	139.2	142.8
75°	21.7	32.5	32.5	43.4	54.3	61.5	72.3	81.3	86.8	92.2	92.2
77.5°	14.4	19.9	21.7	27.1	32.5	41.6	50.6	56.0	61.5	63.3	63.3
80°	12.7	14.4	14.4	19.9	23.5	30.7	36.2	38.0	41.6	43.4	47.0
82.5°	5.4	7.2	9.0	14.4	16.3	16.3	21.7	23.5	27.1	28.9	28.9
85°	1.8	3.6	3.6	5.4	9.0	10.9	12.7	14.4	16.3	16.3	18.1
87.5°	1.8	1.8	0.0	1.8	3.6	3.6	7.2	7.2	7.2	10.9	10.9
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: P248560

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3670.2	3672.0	3664.8	3663.0	3659.3	3661.1	3664.8
5°	3603.3	3605.1	3597.9	3590.6	3590.6	3588.8	3590.6
7.5°	3540.0	3541.8	3531.0	3527.3	3520.1	3521.9	3521.9
10°	3476.7	3476.7	3460.5	3458.6	3453.2	3451.4	3451.4
12.5°	3415.2	3409.8	3397.2	3389.9	3393.6	3382.7	3382.7
15°	3361.0	3352.0	3335.7	3330.3	3321.2	3317.6	3317.6
17.5°	3304.9	3297.7	3283.3	3272.4	3261.6	3259.8	3261.6
20°	3250.7	3243.5	3225.4	3218.2	3209.2	3209.2	3205.5
22.5°	3196.4	3189.2	3173.0	3167.6	3154.9	3154.9	3156.7
25°	3140.4	3135.0	3116.9	3113.3	3111.5	3104.2	3107.9
27.5°	3064.5	3060.9	3046.4	3041.0	3033.8	3032.0	3035.6
30°	2925.3	2919.8	2909.0	2903.6	2891.0	2892.8	2896.3
32.5°	2751.7	2744.5	2730.0	2724.6	2713.8	2710.1	2711.9
35°	2534.8	2529.4	2516.7	2516.7	2505.9	2502.2	2505.9
37.5°	2314.2	2319.6	2314.2	2319.6	2314.2	2312.4	2314.2
40°	2106.3	2126.2	2129.7	2149.7	2142.5	2153.3	2151.5
42.5°	1907.4	1939.9	1952.6	1968.9	1965.3	1972.5	1977.9
45°	1706.7	1733.8	1746.5	1757.4	1759.2	1762.8	1764.6
47.5°	1516.8	1538.6	1540.4	1553.0	1551.2	1551.2	1556.7
50°	1339.7	1354.2	1357.7	1366.8	1359.6	1356.0	1357.7
52.5°	1175.2	1189.6	1186.0	1189.6	1180.6	1177.0	1178.8
55°	1007.0	1014.2	1014.2	1014.2	1003.4	1003.4	1003.4
57.5°	835.3	837.1	833.5	835.3	833.5	822.6	820.8
60°	678.0	678.0	676.2	678.0	672.6	667.2	667.2
62.5°	529.7	533.3	540.6	533.3	529.7	533.3	527.9
65°	396.0	403.2	401.3	405.0	403.2	403.2	399.5
67.5°	298.3	300.1	301.9	303.8	303.8	303.8	303.8
70°	218.8	224.2	222.4	222.4	222.4	222.4	233.2
72.5°	146.5	153.7	151.9	155.5	155.5	159.1	155.5
75°	99.4	106.6	103.1	108.5	106.6	103.1	112.1
77.5°	66.9	70.5	72.3	74.1	72.3	70.5	72.3
80°	47.0	50.6	48.8	50.6	50.6	50.6	52.5
82.5°	28.9	34.4	32.5	34.4	32.5	34.4	34.4
85°	19.9	21.7	18.1	21.7	19.9	19.9	23.5
87.5°	12.7	10.9	10.9	12.7	10.9	12.7	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)