

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: P248731

Luminaire Tested: **LD8B60D010 ER8B60950 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248731  
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 ER8B60950 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5701.0 lumens  
Efficiency: N/A  
Efficacy: 95.8 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

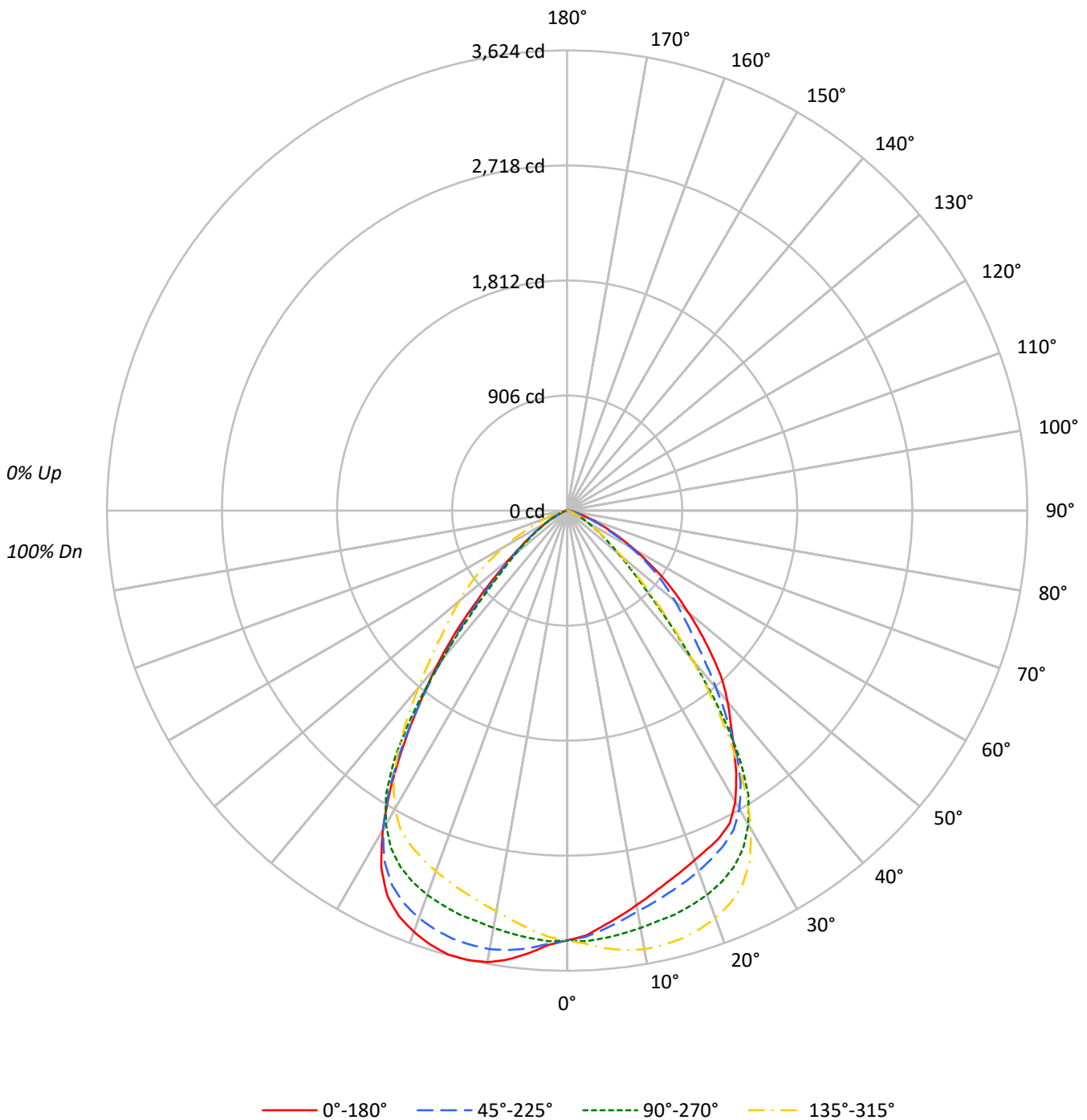
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	104366	104366	104366	104366
5°	101594	104609	108346	104609
10°	98783	104473	113065	104473
15°	96810	105094	115540	105094
20°	96149	105695	115835	105695
25°	96656	105482	113974	105482
30°	94265	101622	103448	101622
35°	86224	88648	84108	88648
40°	79163	61665	64394	61665
45°	70337	37622	43531	37622
50°	59539	25128	27906	25128
55°	49310	17150	18123	17150
60°	37608	11416	11514	11416
65°	26647	7114	6508	7114
70°	19222	4769	4328	4769
75°	12200	2371	1966	2371
80°	8524	1758	1456	1758
85°	7607	0	566	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.1	5.7
10°-20°	932.9	16.4
20°-30°	1412.5	24.8
30°-40°	1415.7	24.8
40°-50°	889.0	15.6
50°-60°	473.8	8.3
60°-70°	194.8	3.4
70°-80°	51.5	0.9
80°-90°	8.7	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°	2667.5	46.8
0°-40°	4083.3	71.6
0°-60°	5446.0	95.5
0°-90°	5701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5701.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3384	3384	3384	3384	3384	
5°	3282	3380	3500	3380	3282	310
15°	3032	3292	3619	3292	3032	858
25°	2841	3100	3350	3100	2841	1303
35°	2290	2355	2234	2355	2290	1435
45°	1613	863	998	863	1613	1240
55°	917	319	337	319	917	818
65°	365	98	89	98	365	379
75°	102	20	16	20	102	116
85°	22	0	2	0	22	24
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°	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5
2.5°	3349.8	3346.5	3344.8	3348.2	3349.8	3356.4	3354.8	3358.0	3358.0	3359.7	3363.0
5°	3282.1	3280.4	3282.1	3282.1	3288.7	3295.3	3293.6	3298.6	3301.9	3310.2	3313.4
7.5°	3219.3	3219.3	3217.6	3224.2	3227.5	3237.4	3235.7	3244.0	3249.0	3257.2	3268.8
10°	3154.8	3154.8	3156.4	3161.4	3163.1	3177.9	3177.9	3189.5	3196.1	3204.4	3219.3
12.5°	3092.0	3092.0	3101.9	3098.6	3105.2	3116.8	3121.7	3133.3	3143.2	3159.8	3174.7
15°	3032.5	3032.5	3035.8	3044.1	3049.0	3063.9	3072.1	3085.4	3097.0	3113.5	3135.0
17.5°	2981.3	2979.6	2981.3	2991.2	3001.1	3014.3	3020.9	3037.5	3049.0	3070.5	3090.4
20°	2930.0	2933.4	2933.4	2941.6	2948.2	2964.7	2971.3	2989.6	3002.8	3022.6	3045.8
22.5°	2885.4	2883.8	2883.8	2895.4	2900.3	2915.2	2921.7	2938.3	2953.2	2969.7	2991.2
25°	2840.8	2837.5	2844.1	2845.8	2849.0	2865.6	2870.5	2882.1	2897.0	2911.9	2933.4
27.5°	2774.7	2771.4	2773.1	2779.7	2784.6	2797.8	2801.1	2812.7	2824.3	2837.5	2855.7
30°	2647.4	2644.2	2642.5	2654.1	2659.0	2668.9	2673.9	2693.7	2697.0	2711.9	2725.1
32.5°	2478.9	2477.2	2480.6	2490.4	2495.4	2508.7	2515.2	2526.8	2535.0	2543.3	2556.5
35°	2290.5	2287.2	2290.5	2300.4	2300.4	2312.0	2317.0	2321.9	2320.2	2321.9	2318.6
37.5°	2115.3	2113.6	2115.3	2120.2	2115.3	2120.2	2115.3	2105.4	2087.3	2067.4	2047.5
40°	1966.6	1968.2	1958.4	1965.0	1946.7	1943.5	1925.3	1900.5	1864.1	1824.5	1768.3
42.5°	1808.0	1803.0	1796.4	1799.7	1784.8	1773.2	1743.5	1712.1	1665.8	1599.7	1531.9
45°	1612.9	1611.3	1608.0	1606.3	1596.4	1584.8	1560.0	1523.7	1472.5	1404.7	1323.7
47.5°	1422.9	1417.9	1417.9	1419.6	1408.0	1406.4	1386.5	1355.1	1310.5	1244.4	1160.1
50°	1241.1	1239.4	1242.8	1249.4	1241.1	1237.8	1224.6	1203.1	1163.4	1107.3	1027.9
52.5°	1077.5	1075.8	1079.2	1087.4	1084.1	1087.4	1074.2	1057.7	1031.2	976.7	907.3
55°	917.2	917.2	917.2	927.1	927.1	927.1	920.5	910.6	885.8	846.1	781.7
57.5°	750.3	751.9	761.8	763.5	761.8	765.2	763.5	753.5	737.1	709.0	659.4
60°	609.8	609.8	614.8	619.7	618.0	619.7	619.7	614.8	598.3	575.1	535.5
62.5°	482.5	487.5	484.2	487.5	494.1	487.5	484.2	480.9	469.4	454.5	421.4
65°	365.2	368.5	368.5	370.2	366.8	368.5	361.9	357.0	350.4	333.9	312.4
67.5°	277.7	277.7	277.7	277.7	276.0	274.3	272.7	267.7	256.2	249.6	226.4
70°	213.2	203.2	203.2	203.2	203.2	205.0	200.0	193.4	190.1	178.5	162.0
72.5°	142.1	145.4	142.1	142.1	138.8	140.5	133.9	130.5	127.3	120.7	110.7
75°	102.4	94.2	97.5	99.2	94.2	97.5	90.9	84.3	84.3	79.3	74.3
77.5°	66.1	64.5	66.1	67.7	66.1	64.5	61.2	57.8	57.8	56.2	51.2
80°	48.0	46.3	46.3	46.3	44.6	46.3	43.0	43.0	39.7	38.0	34.7
82.5°	31.4	31.4	29.7	31.4	29.7	31.4	26.5	26.5	26.5	24.8	21.5
85°	21.5	18.2	18.2	19.9	16.5	19.9	18.2	16.5	14.9	14.9	13.2
87.5°	9.9	11.6	9.9	11.6	9.9	9.9	11.6	9.9	9.9	6.6	6.6
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°	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5
2.5°	3368.0	3369.6	3369.6	3376.3	3379.5	3381.2	3381.2	3394.4	3389.5	3392.8	3396.1
5°	3320.1	3329.9	3333.3	3333.3	3351.4	3358.0	3364.6	3379.5	3381.2	3391.1	3402.7
7.5°	3273.8	3285.3	3292.0	3306.8	3318.4	3329.9	3349.8	3359.7	3369.6	3382.9	3397.7
10°	3229.1	3242.4	3255.6	3267.2	3285.3	3300.2	3313.4	3336.5	3348.2	3366.3	3386.1
12.5°	3186.2	3204.4	3215.9	3235.7	3255.6	3268.8	3288.7	3310.2	3328.3	3346.5	3369.6
15°	3148.2	3169.7	3182.9	3204.4	3225.9	3244.0	3265.5	3292.0	3305.2	3326.7	3348.2
17.5°	3106.8	3130.0	3146.6	3166.4	3192.8	3212.6	3230.8	3257.2	3273.8	3296.9	3321.7
20°	3063.9	3087.0	3106.8	3126.7	3153.2	3173.0	3194.4	3220.9	3239.1	3262.2	3282.1
22.5°	3012.7	3034.2	3055.6	3078.7	3105.2	3121.7	3146.6	3169.7	3189.5	3211.0	3230.8
25°	2946.6	2973.0	2989.6	3011.0	3032.5	3050.7	3077.1	3100.2	3116.8	3136.6	3154.8
27.5°	2868.9	2888.8	2902.0	2920.1	2941.6	2958.1	2977.9	3001.1	3017.7	3035.8	3049.0
30°	2736.7	2754.9	2766.5	2779.7	2801.1	2816.0	2832.6	2854.0	2865.6	2878.8	2890.4
32.5°	2563.1	2578.0	2584.6	2594.6	2609.5	2624.3	2637.6	2655.7	2660.7	2668.9	2668.9
35°	2312.0	2315.3	2313.6	2317.0	2323.6	2331.8	2343.4	2354.9	2361.5	2361.5	2356.6
37.5°	2017.8	1998.0	1976.5	1960.0	1955.0	1951.7	1958.4	1963.3	1969.9	1973.2	1965.0
40°	1712.1	1667.5	1619.5	1576.5	1546.8	1533.6	1528.7	1531.9	1531.9	1543.5	1543.5
42.5°	1449.3	1379.9	1308.9	1244.4	1201.4	1168.4	1153.5	1153.5	1155.1	1163.4	1168.4
45°	1231.2	1143.6	1060.9	989.9	930.4	887.4	867.6	862.7	861.0	864.3	875.9
47.5°	1064.3	973.4	887.4	799.9	737.1	694.1	675.9	669.3	662.7	669.3	671.0
50°	933.7	839.5	748.7	661.0	594.9	556.9	533.8	523.8	522.2	522.2	525.5
52.5°	814.7	727.2	636.3	547.0	477.6	441.3	419.8	414.8	408.2	414.8	414.8
55°	702.3	614.8	525.5	441.3	383.4	345.4	325.6	319.0	315.6	320.6	320.6
57.5°	580.1	505.7	423.1	347.0	289.2	262.8	247.9	239.6	237.9	241.3	237.9
60°	476.0	413.2	342.1	272.7	228.1	200.0	188.4	185.1	181.8	185.1	185.1
62.5°	376.8	323.9	266.0	213.2	175.2	155.4	142.1	142.1	140.5	140.5	142.1
65°	279.3	237.9	196.7	152.0	122.3	107.4	97.5	97.5	95.8	97.5	95.8
67.5°	203.2	175.2	142.1	110.7	87.6	79.3	72.7	67.7	71.1	67.7	66.1
70°	148.8	125.6	102.4	84.3	67.7	59.5	54.6	52.9	49.6	49.6	49.6
72.5°	99.2	84.3	69.4	54.6	44.6	36.3	34.7	31.4	28.1	29.7	33.1
75°	66.1	56.2	49.6	39.7	29.7	29.7	19.9	19.9	16.5	19.9	14.9
77.5°	46.3	38.0	29.7	24.8	19.9	18.2	13.2	13.2	11.6	11.6	11.6
80°	33.1	28.1	21.5	18.2	13.2	13.2	11.6	9.9	8.2	8.2	9.9
82.5°	19.9	14.9	14.9	13.2	8.2	6.6	5.0	6.6	3.3	3.3	3.3
85°	11.6	9.9	8.2	5.0	3.3	3.3	1.6	0.0	1.6	1.6	0.0
87.5°	6.6	3.3	3.3	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.3
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°	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5
2.5°	3404.4	3402.7	3406.0	3406.0	3415.9	3414.2	3419.2	3419.2	3415.9	3417.6	3424.2
5°	3415.9	3420.9	3430.8	3439.1	3453.9	3460.6	3468.8	3477.1	3478.7	3483.7	3488.6
7.5°	3415.9	3432.5	3444.0	3458.9	3478.7	3490.3	3508.4	3523.3	3529.9	3538.2	3548.1
10°	3409.3	3425.8	3447.3	3463.8	3488.6	3506.8	3525.0	3548.1	3558.0	3571.2	3584.5
12.5°	3396.1	3414.2	3437.4	3458.9	3486.9	3503.5	3526.6	3548.1	3563.0	3581.2	3596.1
15°	3376.3	3397.7	3419.2	3440.7	3470.4	3490.3	3511.8	3536.5	3551.4	3571.2	3584.5
17.5°	3344.8	3368.0	3387.8	3407.6	3435.7	3458.9	3478.7	3501.8	3516.7	3533.3	3551.4
20°	3306.8	3328.3	3349.8	3366.3	3394.4	3414.2	3435.7	3457.2	3468.8	3472.1	3500.2
22.5°	3258.9	3273.8	3290.3	3316.8	3333.3	3351.4	3371.3	3391.1	3402.7	3420.9	3430.8
25°	3179.6	3194.4	3212.6	3224.2	3244.0	3258.9	3278.7	3300.2	3306.8	3320.1	3329.9
27.5°	3068.9	3077.1	3085.4	3095.3	3106.8	3115.1	3126.7	3136.6	3143.2	3149.8	3156.4
30°	2893.7	2893.7	2893.7	2887.1	2892.0	2897.0	2898.6	2897.0	2897.0	2895.4	2895.4
32.5°	2662.3	2649.1	2634.2	2621.0	2616.1	2609.5	2606.1	2601.2	2592.9	2588.0	2589.6
35°	2350.0	2320.2	2302.1	2285.5	2272.3	2262.4	2257.4	2252.5	2250.8	2244.3	2237.6
37.5°	1960.0	1938.5	1925.3	1915.4	1903.8	1893.9	1895.5	1897.2	1902.1	1898.8	1900.5
40°	1546.8	1541.9	1546.8	1535.3	1531.9	1535.3	1543.5	1555.1	1561.7	1568.3	1579.9
42.5°	1176.6	1184.9	1196.5	1196.5	1201.4	1208.1	1217.9	1236.2	1246.0	1257.6	1270.9
45°	885.8	895.7	910.6	915.5	918.8	927.1	938.7	953.5	960.1	970.1	981.6
47.5°	682.5	689.1	697.4	705.7	713.9	717.2	728.8	728.8	737.1	743.7	746.9
50°	532.1	538.7	545.3	550.3	553.6	558.6	561.9	566.8	568.5	571.8	573.4
52.5°	416.4	424.7	424.7	428.0	433.0	437.9	436.3	437.9	439.6	439.6	444.5
55°	325.6	325.6	330.5	330.5	333.9	332.2	333.9	333.9	333.9	333.9	335.5
57.5°	242.9	244.6	249.6	246.2	244.6	247.9	244.6	247.9	246.2	249.6	244.6
60°	186.7	186.7	188.4	188.4	190.1	190.1	190.1	188.4	188.4	186.7	186.7
62.5°	140.5	142.1	143.8	142.1	142.1	142.1	140.5	140.5	138.8	137.1	137.1
65°	94.2	92.6	95.8	92.6	94.2	94.2	92.6	94.2	89.2	90.9	89.2
67.5°	67.7	66.1	64.5	66.1	64.5	62.8	62.8	64.5	66.1	61.2	61.2
70°	44.6	46.3	44.6	46.3	48.0	48.0	46.3	44.6	46.3	43.0	44.6
72.5°	28.1	28.1	28.1	28.1	28.1	29.7	29.7	29.7	26.5	26.5	24.8
75°	13.2	18.2	14.9	13.2	18.2	18.2	16.5	16.5	14.9	14.9	14.9
77.5°	13.2	9.9	9.9	9.9	9.9	9.9	9.9	9.9	8.2	9.9	8.2
80°	6.6	6.6	6.6	5.0	6.6	6.6	8.2	6.6	6.6	5.0	8.2
82.5°	3.3	3.3	3.3	0.0	1.6	3.3	3.3	1.6	3.3	3.3	1.6
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: P248731

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5
2.5°	3422.5	3420.9	3422.5	3424.2	3422.5	3420.9	3422.5	3424.2	3417.6	3415.9	3419.2
5°	3495.2	3495.2	3498.5	3500.2	3498.5	3495.2	3495.2	3488.6	3483.7	3478.7	3477.1
7.5°	3558.0	3561.4	3564.6	3566.3	3564.6	3561.4	3558.0	3548.1	3538.2	3529.9	3523.3
10°	3596.1	3601.0	3607.6	3610.9	3607.6	3601.0	3596.1	3584.5	3571.2	3558.0	3548.1
12.5°	3612.6	3617.5	3625.8	3624.1	3625.8	3617.5	3612.6	3596.1	3581.2	3563.0	3548.1
15°	3601.0	3607.6	3615.8	3619.2	3615.8	3607.6	3601.0	3584.5	3571.2	3551.4	3536.5
17.5°	3564.6	3574.6	3579.5	3584.5	3579.5	3574.6	3564.6	3551.4	3533.3	3516.7	3501.8
20°	3515.0	3521.7	3528.3	3529.9	3528.3	3521.7	3515.0	3500.2	3472.1	3468.8	3457.2
22.5°	3444.0	3449.0	3463.8	3458.9	3463.8	3449.0	3444.0	3430.8	3420.9	3402.7	3391.1
25°	3341.5	3346.5	3348.2	3349.8	3348.2	3346.5	3341.5	3329.9	3320.1	3306.8	3300.2
27.5°	3164.7	3164.7	3168.0	3169.7	3168.0	3164.7	3164.7	3156.4	3149.8	3143.2	3136.6
30°	2897.0	2897.0	2897.0	2905.3	2897.0	2897.0	2897.0	2895.4	2895.4	2897.0	2897.0
32.5°	2588.0	2584.6	2581.4	2584.6	2581.4	2584.6	2588.0	2589.6	2588.0	2592.9	2601.2
35°	2237.6	2236.0	2240.9	2234.3	2240.9	2236.0	2237.6	2237.6	2244.3	2250.8	2252.5
37.5°	1902.1	1898.8	1905.4	1898.8	1905.4	1898.8	1902.1	1900.5	1898.8	1902.1	1897.2
40°	1583.2	1586.5	1586.5	1599.7	1586.5	1586.5	1583.2	1579.9	1568.3	1561.7	1555.1
42.5°	1277.5	1287.4	1284.1	1294.0	1284.1	1287.4	1277.5	1270.9	1257.6	1246.0	1236.2
45°	988.2	994.9	994.9	998.2	994.9	994.9	988.2	981.6	970.1	960.1	953.5
47.5°	758.5	758.5	758.5	760.2	758.5	758.5	758.5	746.9	743.7	737.1	728.8
50°	576.8	578.4	580.1	581.7	580.1	578.4	576.8	573.4	571.8	568.5	566.8
52.5°	442.9	444.5	441.3	444.5	441.3	444.5	442.9	444.5	439.6	439.6	437.9
55°	335.5	333.9	335.5	337.1	335.5	333.9	335.5	335.5	333.9	333.9	333.9
57.5°	246.2	242.9	242.9	242.9	242.9	242.9	246.2	244.6	249.6	246.2	247.9
60°	183.5	185.1	185.1	186.7	185.1	185.1	183.5	186.7	186.7	188.4	188.4
62.5°	135.5	140.5	137.1	140.5	137.1	140.5	135.5	137.1	137.1	138.8	140.5
65°	87.6	87.6	87.6	89.2	87.6	87.6	87.6	89.2	90.9	89.2	94.2
67.5°	59.5	61.2	64.5	62.8	64.5	61.2	59.5	61.2	61.2	66.1	64.5
70°	48.0	43.0	43.0	48.0	43.0	43.0	48.0	44.6	43.0	46.3	44.6
72.5°	28.1	24.8	28.1	28.1	28.1	24.8	28.1	24.8	26.5	26.5	29.7
75°	14.9	13.2	11.6	16.5	11.6	13.2	14.9	14.9	14.9	14.9	16.5
77.5°	9.9	8.2	11.6	11.6	11.6	8.2	9.9	8.2	9.9	8.2	9.9
80°	5.0	6.6	5.0	8.2	5.0	6.6	5.0	8.2	5.0	6.6	6.6
82.5°	1.6	3.3	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	1.6
85°	0.0	3.3	1.6	1.6	1.6	3.3	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	1.6	0.0	0.0	1.6	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: P248731

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5
2.5°	3419.2	3414.2	3415.9	3406.0	3406.0	3402.7	3404.4	3396.1	3392.8	3389.5	3394.4
5°	3468.8	3460.6	3453.9	3439.1	3430.8	3420.9	3415.9	3402.7	3391.1	3381.2	3379.5
7.5°	3508.4	3490.3	3478.7	3458.9	3444.0	3432.5	3415.9	3397.7	3382.9	3369.6	3359.7
10°	3525.0	3506.8	3488.6	3463.8	3447.3	3425.8	3409.3	3386.1	3366.3	3348.2	3336.5
12.5°	3526.6	3503.5	3486.9	3458.9	3437.4	3414.2	3396.1	3369.6	3346.5	3328.3	3310.2
15°	3511.8	3490.3	3470.4	3440.7	3419.2	3397.7	3376.3	3348.2	3326.7	3305.2	3292.0
17.5°	3478.7	3458.9	3435.7	3407.6	3387.8	3368.0	3344.8	3321.7	3296.9	3273.8	3257.2
20°	3435.7	3414.2	3394.4	3366.3	3349.8	3328.3	3306.8	3282.1	3262.2	3239.1	3220.9
22.5°	3371.3	3351.4	3333.3	3316.8	3290.3	3273.8	3258.9	3230.8	3211.0	3189.5	3169.7
25°	3278.7	3258.9	3244.0	3224.2	3212.6	3194.4	3179.6	3154.8	3136.6	3116.8	3100.2
27.5°	3126.7	3115.1	3106.8	3095.3	3085.4	3077.1	3068.9	3049.0	3035.8	3017.7	3001.1
30°	2898.6	2897.0	2892.0	2887.1	2893.7	2893.7	2893.7	2890.4	2878.8	2865.6	2854.0
32.5°	2606.1	2609.5	2616.1	2621.0	2634.2	2649.1	2662.3	2668.9	2668.9	2660.7	2655.7
35°	2257.4	2262.4	2272.3	2285.5	2302.1	2320.2	2350.0	2356.6	2361.5	2361.5	2354.9
37.5°	1895.5	1893.9	1903.8	1915.4	1925.3	1938.5	1960.0	1965.0	1973.2	1969.9	1963.3
40°	1543.5	1535.3	1531.9	1535.3	1546.8	1541.9	1546.8	1543.5	1543.5	1531.9	1531.9
42.5°	1217.9	1208.1	1201.4	1196.5	1196.5	1184.9	1176.6	1168.4	1163.4	1155.1	1153.5
45°	938.7	927.1	918.8	915.5	910.6	895.7	885.8	875.9	864.3	861.0	862.7
47.5°	728.8	717.2	713.9	705.7	697.4	689.1	682.5	671.0	669.3	662.7	669.3
50°	561.9	558.6	553.6	550.3	545.3	538.7	532.1	525.5	522.2	522.2	523.8
52.5°	436.3	437.9	433.0	428.0	424.7	424.7	416.4	414.8	414.8	408.2	414.8
55°	333.9	332.2	333.9	330.5	330.5	325.6	325.6	320.6	320.6	315.6	319.0
57.5°	244.6	247.9	244.6	246.2	249.6	244.6	242.9	237.9	241.3	237.9	239.6
60°	190.1	190.1	190.1	188.4	188.4	186.7	186.7	185.1	185.1	181.8	185.1
62.5°	140.5	142.1	142.1	142.1	143.8	142.1	140.5	142.1	140.5	140.5	142.1
65°	92.6	94.2	94.2	92.6	95.8	92.6	94.2	95.8	97.5	95.8	97.5
67.5°	62.8	62.8	64.5	66.1	64.5	66.1	67.7	66.1	67.7	71.1	67.7
70°	46.3	48.0	48.0	46.3	44.6	46.3	44.6	49.6	49.6	49.6	52.9
72.5°	29.7	29.7	28.1	28.1	28.1	28.1	28.1	33.1	29.7	28.1	31.4
75°	16.5	18.2	18.2	13.2	14.9	18.2	13.2	14.9	19.9	16.5	19.9
77.5°	9.9	9.9	9.9	9.9	9.9	9.9	13.2	11.6	11.6	11.6	13.2
80°	8.2	6.6	6.6	5.0	6.6	6.6	6.6	9.9	8.2	8.2	9.9
82.5°	3.3	3.3	1.6	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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: P248731

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5
2.5°	3381.2	3381.2	3379.5	3376.3	3369.6	3369.6	3368.0	3363.0	3359.7	3358.0	3358.0
5°	3364.6	3358.0	3351.4	3333.3	3333.3	3329.9	3320.1	3313.4	3310.2	3301.9	3298.6
7.5°	3349.8	3329.9	3318.4	3306.8	3292.0	3285.3	3273.8	3268.8	3257.2	3249.0	3244.0
10°	3313.4	3300.2	3285.3	3267.2	3255.6	3242.4	3229.1	3219.3	3204.4	3196.1	3189.5
12.5°	3288.7	3268.8	3255.6	3235.7	3215.9	3204.4	3186.2	3174.7	3159.8	3143.2	3133.3
15°	3265.5	3244.0	3225.9	3204.4	3182.9	3169.7	3148.2	3135.0	3113.5	3097.0	3085.4
17.5°	3230.8	3212.6	3192.8	3166.4	3146.6	3130.0	3106.8	3090.4	3070.5	3049.0	3037.5
20°	3194.4	3173.0	3153.2	3126.7	3106.8	3087.0	3063.9	3045.8	3022.6	3002.8	2989.6
22.5°	3146.6	3121.7	3105.2	3078.7	3055.6	3034.2	3012.7	2991.2	2969.7	2953.2	2938.3
25°	3077.1	3050.7	3032.5	3011.0	2989.6	2973.0	2946.6	2933.4	2911.9	2897.0	2882.1
27.5°	2977.9	2958.1	2941.6	2920.1	2902.0	2888.8	2868.9	2855.7	2837.5	2824.3	2812.7
30°	2832.6	2816.0	2801.1	2779.7	2766.5	2754.9	2736.7	2725.1	2711.9	2697.0	2693.7
32.5°	2637.6	2624.3	2609.5	2594.6	2584.6	2578.0	2563.1	2556.5	2543.3	2535.0	2526.8
35°	2343.4	2331.8	2323.6	2317.0	2313.6	2315.3	2312.0	2318.6	2321.9	2320.2	2321.9
37.5°	1958.4	1951.7	1955.0	1960.0	1976.5	1998.0	2017.8	2047.5	2067.4	2087.3	2105.4
40°	1528.7	1533.6	1546.8	1576.5	1619.5	1667.5	1712.1	1768.3	1824.5	1864.1	1900.5
42.5°	1153.5	1168.4	1201.4	1244.4	1308.9	1379.9	1449.3	1531.9	1599.7	1665.8	1712.1
45°	867.6	887.4	930.4	989.9	1060.9	1143.6	1231.2	1323.7	1404.7	1472.5	1523.7
47.5°	675.9	694.1	737.1	799.9	887.4	973.4	1064.3	1160.1	1244.4	1310.5	1355.1
50°	533.8	556.9	594.9	661.0	748.7	839.5	933.7	1027.9	1107.3	1163.4	1203.1
52.5°	419.8	441.3	477.6	547.0	636.3	727.2	814.7	907.3	976.7	1031.2	1057.7
55°	325.6	345.4	383.4	441.3	525.5	614.8	702.3	781.7	846.1	885.8	910.6
57.5°	247.9	262.8	289.2	347.0	423.1	505.7	580.1	659.4	709.0	737.1	753.5
60°	188.4	200.0	228.1	272.7	342.1	413.2	476.0	535.5	575.1	598.3	614.8
62.5°	142.1	155.4	175.2	213.2	266.0	323.9	376.8	421.4	454.5	469.4	480.9
65°	97.5	107.4	122.3	152.0	196.7	237.9	279.3	312.4	333.9	350.4	357.0
67.5°	72.7	79.3	87.6	110.7	142.1	175.2	203.2	226.4	249.6	256.2	267.7
70°	54.6	59.5	67.7	84.3	102.4	125.6	148.8	162.0	178.5	190.1	193.4
72.5°	34.7	36.3	44.6	54.6	69.4	84.3	99.2	110.7	120.7	127.3	130.5
75°	19.9	29.7	29.7	39.7	49.6	56.2	66.1	74.3	79.3	84.3	84.3
77.5°	13.2	18.2	19.9	24.8	29.7	38.0	46.3	51.2	56.2	57.8	57.8
80°	11.6	13.2	13.2	18.2	21.5	28.1	33.1	34.7	38.0	39.7	43.0
82.5°	5.0	6.6	8.2	13.2	14.9	14.9	19.9	21.5	24.8	26.5	26.5
85°	1.6	3.3	3.3	5.0	8.2	9.9	11.6	13.2	14.9	14.9	16.5
87.5°	1.6	1.6	0.0	1.6	3.3	3.3	6.6	6.6	6.6	9.9	9.9
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: P248731

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5
2.5°	3354.8	3356.4	3349.8	3348.2	3344.8	3346.5	3349.8
5°	3293.6	3295.3	3288.7	3282.1	3282.1	3280.4	3282.1
7.5°	3235.7	3237.4	3227.5	3224.2	3217.6	3219.3	3219.3
10°	3177.9	3177.9	3163.1	3161.4	3156.4	3154.8	3154.8
12.5°	3121.7	3116.8	3105.2	3098.6	3101.9	3092.0	3092.0
15°	3072.1	3063.9	3049.0	3044.1	3035.8	3032.5	3032.5
17.5°	3020.9	3014.3	3001.1	2991.2	2981.3	2979.6	2981.3
20°	2971.3	2964.7	2948.2	2941.6	2933.4	2933.4	2930.0
22.5°	2921.7	2915.2	2900.3	2895.4	2883.8	2883.8	2885.4
25°	2870.5	2865.6	2849.0	2845.8	2844.1	2837.5	2840.8
27.5°	2801.1	2797.8	2784.6	2779.7	2773.1	2771.4	2774.7
30°	2673.9	2668.9	2659.0	2654.1	2642.5	2644.2	2647.4
32.5°	2515.2	2508.7	2495.4	2490.4	2480.6	2477.2	2478.9
35°	2317.0	2312.0	2300.4	2300.4	2290.5	2287.2	2290.5
37.5°	2115.3	2120.2	2115.3	2120.2	2115.3	2113.6	2115.3
40°	1925.3	1943.5	1946.7	1965.0	1958.4	1968.2	1966.6
42.5°	1743.5	1773.2	1784.8	1799.7	1796.4	1803.0	1808.0
45°	1560.0	1584.8	1596.4	1606.3	1608.0	1611.3	1612.9
47.5°	1386.5	1406.4	1408.0	1419.6	1417.9	1417.9	1422.9
50°	1224.6	1237.8	1241.1	1249.4	1242.8	1239.4	1241.1
52.5°	1074.2	1087.4	1084.1	1087.4	1079.2	1075.8	1077.5
55°	920.5	927.1	927.1	927.1	917.2	917.2	917.2
57.5°	763.5	765.2	761.8	763.5	761.8	751.9	750.3
60°	619.7	619.7	618.0	619.7	614.8	609.8	609.8
62.5°	484.2	487.5	494.1	487.5	484.2	487.5	482.5
65°	361.9	368.5	366.8	370.2	368.5	368.5	365.2
67.5°	272.7	274.3	276.0	277.7	277.7	277.7	277.7
70°	200.0	205.0	203.2	203.2	203.2	203.2	213.2
72.5°	133.9	140.5	138.8	142.1	142.1	145.4	142.1
75°	90.9	97.5	94.2	99.2	97.5	94.2	102.4
77.5°	61.2	64.5	66.1	67.7	66.1	64.5	66.1
80°	43.0	46.3	44.6	46.3	46.3	46.3	48.0
82.5°	26.5	31.4	29.7	31.4	29.7	31.4	31.4
85°	18.2	19.9	16.5	19.9	18.2	18.2	21.5
87.5°	11.6	9.9	9.9	11.6	9.9	11.6	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)