

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: P249055

Luminaire Tested: **LD8B60D010 ER8B60950 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249055  
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 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5691.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 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

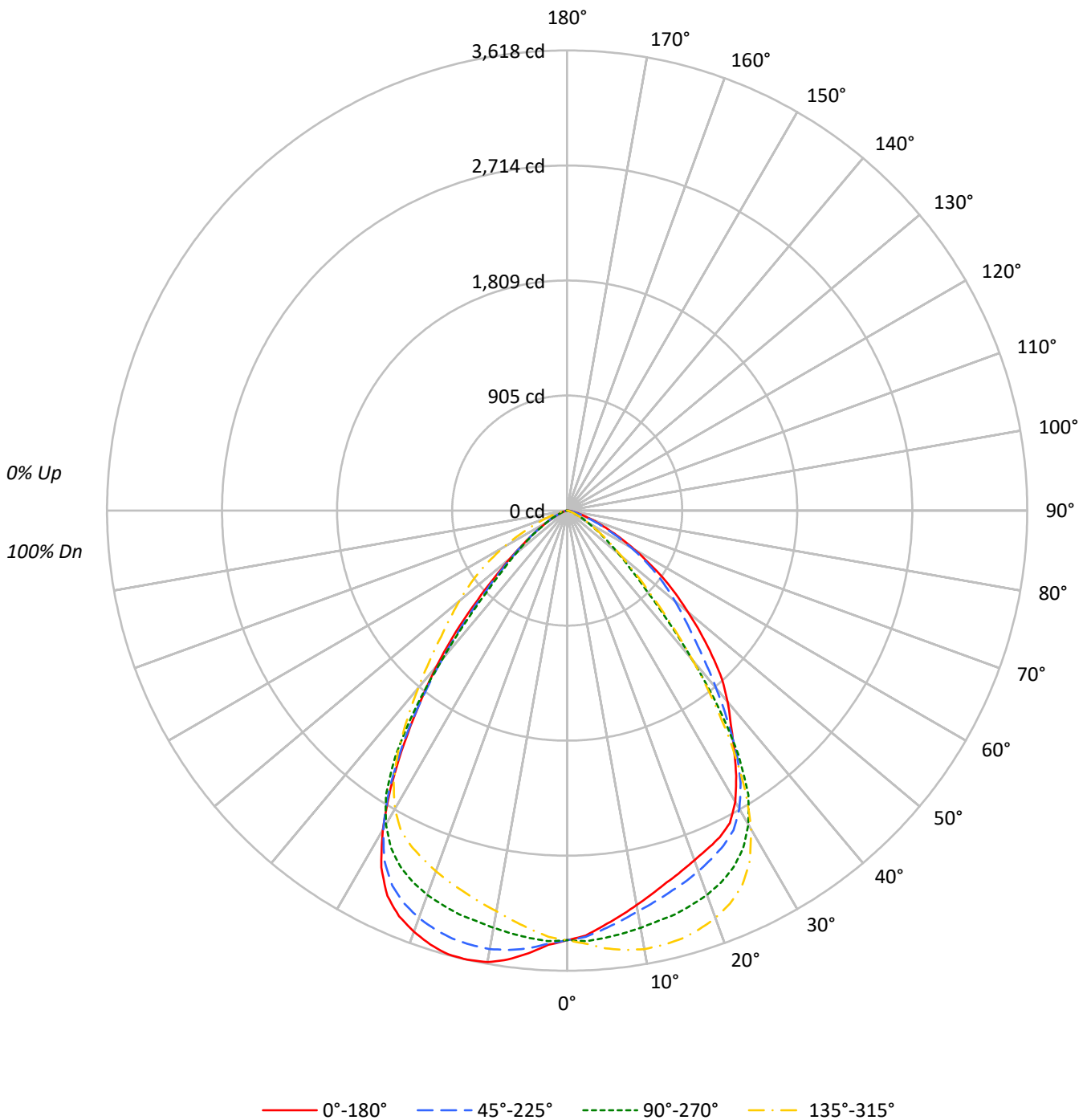
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	104184	104184	104184	104184
5°	101415	104427	108157	104427
10°	98611	104291	112864	104291
15°	96641	104909	115335	104909
20°	95982	105511	115631	105511
25°	96486	105298	113773	105298
30°	94101	101444	103267	101444
35°	86073	88494	83962	88494
40°	79023	61556	64282	61556
45°	70215	37552	43452	37552
50°	59433	25085	27858	25085
55°	49224	17118	18091	17118
60°	37540	11397	11496	11397
65°	26603	7099	6501	7099
70°	19186	4760	4319	4760
75°	12188	2359	1966	2359
80°	8506	1758	1456	1758
85°	7607	0	566	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.6	5.7
10°-20°	931.2	16.4
20°-30°	1410.1	24.8
30°-40°	1413.2	24.8
40°-50°	887.4	15.6
50°-60°	472.9	8.3
60°-70°	194.5	3.4
70°-80°	51.4	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°	2662.9	46.8
0°-40°	4076.1	71.6
0°-60°	5436.5	95.5
0°-90°	5691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5691.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3379	3379	3379	3379	3379	
5°	3276	3374	3494	3374	3276	309
15°	3027	3286	3613	3286	3027	856
25°	2836	3095	3344	3095	2836	1301
35°	2286	2351	2230	2351	2286	1432
45°	1610	861	996	861	1610	1238
55°	916	318	336	318	916	816
65°	365	97	89	97	365	378
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°	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6
2.5°	3343.9	3340.6	3339.0	3342.3	3343.9	3350.5	3348.9	3352.2	3352.2	3353.8	3357.1
5°	3276.3	3274.6	3276.3	3276.3	3282.9	3289.5	3287.8	3292.8	3296.1	3304.3	3307.6
7.5°	3213.6	3213.6	3211.9	3218.5	3221.8	3231.8	3230.1	3238.3	3243.3	3251.5	3263.1
10°	3149.3	3149.3	3150.9	3155.8	3157.5	3172.3	3172.3	3183.9	3190.5	3198.8	3213.6
12.5°	3086.6	3086.6	3096.5	3093.2	3099.8	3111.3	3116.3	3127.8	3137.7	3154.2	3169.1
15°	3027.2	3027.2	3030.5	3038.7	3043.7	3058.5	3066.8	3080.0	3091.5	3108.0	3129.5
17.5°	2976.0	2974.4	2976.0	2986.0	2995.9	3009.0	3015.6	3032.1	3043.7	3065.1	3085.0
20°	2924.9	2928.2	2928.2	2936.5	2943.0	2959.5	2966.1	2984.3	2997.5	3017.3	3040.4
22.5°	2880.4	2878.7	2878.7	2890.3	2895.2	2910.0	2916.6	2933.1	2948.0	2964.5	2986.0
25°	2835.8	2832.5	2839.1	2840.8	2844.0	2860.5	2865.5	2877.0	2891.9	2906.8	2928.2
27.5°	2769.8	2766.6	2768.2	2774.8	2779.7	2792.9	2796.2	2807.8	2819.3	2832.5	2850.7
30°	2642.8	2639.5	2637.9	2649.4	2654.4	2664.2	2669.2	2689.0	2692.3	2707.1	2720.3
32.5°	2474.5	2472.9	2476.2	2486.1	2491.0	2504.3	2510.8	2522.4	2530.6	2538.9	2552.1
35°	2286.5	2283.2	2286.5	2296.4	2296.4	2307.9	2312.9	2317.8	2316.2	2317.8	2314.5
37.5°	2111.6	2109.9	2111.6	2116.5	2111.6	2116.5	2111.6	2101.7	2083.6	2063.8	2043.9
40°	1963.1	1964.8	1954.9	1961.5	1943.3	1940.0	1921.9	1897.1	1860.9	1821.3	1765.2
42.5°	1804.8	1799.8	1793.2	1796.5	1781.7	1770.1	1740.4	1709.1	1662.9	1596.9	1529.2
45°	1610.1	1608.5	1605.2	1603.5	1593.6	1582.1	1557.3	1521.0	1469.9	1402.3	1321.4
47.5°	1420.4	1415.4	1415.4	1417.1	1405.5	1403.9	1384.1	1352.8	1308.2	1242.2	1158.1
50°	1238.9	1237.3	1240.6	1247.2	1238.9	1235.6	1222.5	1201.0	1161.4	1105.3	1026.1
52.5°	1075.6	1073.9	1077.3	1085.5	1082.2	1085.5	1072.3	1055.8	1029.4	974.9	905.7
55°	915.6	915.6	915.6	925.4	925.4	925.4	918.9	909.0	884.2	844.6	780.3
57.5°	749.0	750.6	760.5	762.1	760.5	763.8	762.1	752.2	735.8	707.7	658.2
60°	608.7	608.7	613.7	618.7	617.0	618.7	618.7	613.7	597.2	574.1	534.5
62.5°	481.7	486.7	483.3	486.7	493.2	486.7	483.3	480.1	468.5	453.7	420.7
65°	364.6	367.9	367.9	369.5	366.2	367.9	361.3	356.4	349.8	333.3	311.8
67.5°	277.2	277.2	277.2	277.2	275.5	273.9	272.2	267.3	255.7	249.1	226.0
70°	212.8	202.9	202.9	202.9	202.9	204.6	199.6	193.0	189.7	178.2	161.7
72.5°	141.8	145.2	141.8	141.8	138.6	140.2	133.6	130.3	127.0	120.5	110.5
75°	102.3	94.0	97.3	99.0	94.0	97.3	90.7	84.1	84.1	79.2	74.2
77.5°	66.0	64.4	66.0	67.6	66.0	64.4	61.0	57.7	57.7	56.1	51.1
80°	47.9	46.2	46.2	46.2	44.5	46.2	42.9	42.9	39.6	38.0	34.6
82.5°	31.4	31.4	29.7	31.4	29.7	31.4	26.4	26.4	26.4	24.7	21.5
85°	21.5	18.1	18.1	19.8	16.5	19.8	18.1	16.5	14.9	14.9	13.2
87.5°	9.9	11.5	9.9	11.5	9.9	9.9	11.5	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°	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6
2.5°	3362.1	3363.7	3363.7	3370.4	3373.6	3375.2	3375.2	3388.5	3383.5	3386.9	3390.1
5°	3314.3	3324.1	3327.4	3327.4	3345.6	3352.2	3358.7	3373.6	3375.2	3385.2	3396.7
7.5°	3268.0	3279.6	3286.2	3301.0	3312.6	3324.1	3343.9	3353.8	3363.7	3376.9	3391.7
10°	3223.5	3236.7	3249.9	3261.4	3279.6	3294.4	3307.6	3330.7	3342.3	3360.4	3380.2
12.5°	3180.6	3198.8	3210.3	3230.1	3249.9	3263.1	3282.9	3304.3	3322.5	3340.6	3363.7
15°	3142.7	3164.1	3177.3	3198.8	3220.2	3238.3	3259.8	3286.2	3299.4	3320.8	3342.3
17.5°	3101.4	3124.5	3141.0	3160.8	3187.2	3207.0	3225.2	3251.5	3268.0	3291.1	3315.9
20°	3058.5	3081.6	3101.4	3121.2	3147.6	3167.4	3188.8	3215.3	3233.4	3256.5	3276.3
22.5°	3007.4	3028.9	3050.3	3073.3	3099.8	3116.3	3141.0	3164.1	3183.9	3205.3	3225.2
25°	2941.4	2967.8	2984.3	3005.7	3027.2	3045.3	3071.7	3094.8	3111.3	3131.1	3149.3
27.5°	2863.9	2883.7	2896.9	2915.0	2936.5	2953.0	2972.7	2995.9	3012.4	3030.5	3043.7
30°	2731.9	2750.1	2761.6	2774.8	2796.2	2811.1	2827.6	2849.0	2860.5	2873.8	2885.3
32.5°	2558.6	2573.5	2580.1	2590.0	2604.9	2619.7	2632.9	2651.1	2656.0	2664.2	2664.2
35°	2307.9	2311.2	2309.6	2312.9	2319.5	2327.7	2339.2	2350.8	2357.4	2357.4	2352.5
37.5°	2014.3	1994.5	1973.0	1956.5	1951.6	1948.3	1954.9	1959.8	1966.5	1969.7	1961.5
40°	1709.1	1664.6	1616.7	1573.8	1544.1	1530.9	1526.0	1529.2	1529.2	1540.8	1540.8
42.5°	1446.8	1377.5	1306.6	1242.2	1199.3	1166.4	1151.5	1151.5	1153.1	1161.4	1166.4
45°	1229.0	1141.6	1059.1	988.2	928.8	885.9	866.1	861.1	859.5	862.8	874.3
47.5°	1062.4	971.7	885.9	798.5	735.8	692.9	674.7	668.1	661.5	668.1	669.8
50°	932.1	838.1	747.3	659.9	593.9	555.9	532.8	522.9	521.3	521.3	524.6
52.5°	813.3	725.9	635.2	546.1	476.7	440.5	419.0	414.1	407.5	414.1	414.1
55°	701.1	613.7	524.6	440.5	382.7	344.8	325.0	318.4	315.1	320.0	320.0
57.5°	579.1	504.8	422.4	346.4	288.7	262.3	247.4	239.2	237.5	240.9	237.5
60°	475.1	412.4	341.5	272.2	227.7	199.6	188.1	184.8	181.4	184.8	184.8
62.5°	376.1	323.4	265.6	212.8	174.8	155.1	141.8	141.8	140.2	140.2	141.8
65°	278.8	237.5	196.3	151.8	122.1	107.2	97.3	97.3	95.7	97.3	95.7
67.5°	202.9	174.8	141.8	110.5	87.5	79.2	72.6	67.6	71.0	67.6	66.0
70°	148.5	125.3	102.3	84.1	67.6	59.4	54.5	52.8	49.5	49.5	49.5
72.5°	99.0	84.1	69.3	54.5	44.5	36.3	34.6	31.4	28.0	29.7	33.0
75°	66.0	56.1	49.5	39.6	29.7	29.7	19.8	19.8	16.5	19.8	14.9
77.5°	46.2	38.0	29.7	24.7	19.8	18.1	13.2	13.2	11.5	11.5	11.5
80°	33.0	28.0	21.5	18.1	13.2	13.2	11.5	9.9	8.2	8.2	9.9
82.5°	19.8	14.9	14.9	13.2	8.2	6.6	5.0	6.6	3.3	3.3	3.3
85°	11.5	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°	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6
2.5°	3398.4	3396.7	3400.0	3400.0	3409.9	3408.2	3413.2	3413.2	3409.9	3411.6	3418.2
5°	3409.9	3414.9	3424.7	3433.0	3447.8	3454.5	3462.7	3471.0	3472.6	3477.6	3482.5
7.5°	3409.9	3426.4	3438.0	3452.8	3472.6	3484.2	3502.3	3517.2	3523.7	3532.0	3541.9
10°	3403.3	3419.8	3441.2	3457.7	3482.5	3500.7	3518.8	3541.9	3551.8	3565.0	3578.2
12.5°	3390.1	3408.2	3431.3	3452.8	3480.8	3497.3	3520.4	3541.9	3556.7	3574.9	3589.7
15°	3370.4	3391.7	3413.2	3434.7	3464.3	3484.2	3505.6	3530.3	3545.2	3565.0	3578.2
17.5°	3339.0	3362.1	3381.9	3401.7	3429.7	3452.8	3472.6	3495.7	3510.6	3527.1	3545.2
20°	3301.0	3322.5	3343.9	3360.4	3388.5	3408.2	3429.7	3451.2	3462.7	3466.0	3494.1
22.5°	3253.2	3268.0	3284.5	3310.9	3327.4	3345.6	3365.4	3385.2	3396.7	3414.9	3424.7
25°	3174.0	3188.8	3207.0	3218.5	3238.3	3253.2	3273.0	3294.4	3301.0	3314.3	3324.1
27.5°	3063.5	3071.7	3080.0	3089.8	3101.4	3109.7	3121.2	3131.1	3137.7	3144.3	3150.9
30°	2888.6	2888.6	2888.6	2882.0	2887.0	2891.9	2893.5	2891.9	2891.9	2890.3	2890.3
32.5°	2657.6	2644.5	2629.6	2616.4	2611.5	2604.9	2601.6	2596.6	2588.4	2583.4	2585.1
35°	2345.8	2316.2	2298.0	2281.5	2268.4	2258.4	2253.5	2248.5	2246.9	2240.3	2233.7
37.5°	1956.5	1935.1	1921.9	1912.0	1900.5	1890.5	1892.2	1893.9	1898.8	1895.5	1897.1
40°	1544.1	1539.2	1544.1	1532.6	1529.2	1532.6	1540.8	1552.4	1559.0	1565.6	1577.1
42.5°	1174.6	1182.8	1194.4	1194.4	1199.3	1206.0	1215.8	1234.0	1243.8	1255.4	1268.6
45°	884.2	894.1	909.0	913.9	917.2	925.4	937.1	951.9	958.4	968.4	979.9
47.5°	681.3	687.9	696.1	704.4	712.6	716.0	727.5	727.5	735.8	742.4	745.6
50°	531.2	537.8	544.4	549.3	552.7	557.6	560.9	565.8	567.5	570.8	572.4
52.5°	415.7	424.0	424.0	427.2	432.2	437.2	435.5	437.2	438.8	438.8	443.7
55°	325.0	325.0	329.9	329.9	333.3	331.6	333.3	333.3	333.3	333.3	334.9
57.5°	242.5	244.2	249.1	245.8	244.2	247.4	244.2	247.4	245.8	249.1	244.2
60°	186.4	186.4	188.1	188.1	189.7	189.7	189.7	188.1	188.1	186.4	186.4
62.5°	140.2	141.8	143.5	141.8	141.8	141.8	140.2	140.2	138.6	136.9	136.9
65°	94.0	92.4	95.7	92.4	94.0	94.0	92.4	94.0	89.1	90.7	89.1
67.5°	67.6	66.0	64.4	66.0	64.4	62.7	62.7	64.4	66.0	61.0	61.0
70°	44.5	46.2	44.5	46.2	47.9	47.9	46.2	44.5	46.2	42.9	44.5
72.5°	28.0	28.0	28.0	28.0	28.0	29.7	29.7	29.7	26.4	26.4	24.7
75°	13.2	18.1	14.9	13.2	18.1	18.1	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: P249055

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6
2.5°	3416.5	3414.9	3416.5	3418.2	3416.5	3414.9	3416.5	3418.2	3411.6	3409.9	3413.2
5°	3489.1	3489.1	3492.4	3494.1	3492.4	3489.1	3489.1	3482.5	3477.6	3472.6	3471.0
7.5°	3551.8	3555.1	3558.4	3560.0	3558.4	3555.1	3551.8	3541.9	3532.0	3523.7	3517.2
10°	3589.7	3594.7	3601.3	3604.5	3601.3	3594.7	3589.7	3578.2	3565.0	3551.8	3541.9
12.5°	3606.2	3611.2	3619.4	3617.8	3619.4	3611.2	3606.2	3589.7	3574.9	3556.7	3541.9
15°	3594.7	3601.3	3609.5	3612.8	3609.5	3601.3	3594.7	3578.2	3565.0	3545.2	3530.3
17.5°	3558.4	3568.3	3573.2	3578.2	3573.2	3568.3	3558.4	3545.2	3527.1	3510.6	3495.7
20°	3508.9	3515.5	3522.1	3523.7	3522.1	3515.5	3508.9	3494.1	3466.0	3462.7	3451.2
22.5°	3438.0	3442.9	3457.7	3452.8	3457.7	3442.9	3438.0	3424.7	3414.9	3396.7	3385.2
25°	3335.7	3340.6	3342.3	3343.9	3342.3	3340.6	3335.7	3324.1	3314.3	3301.0	3294.4
27.5°	3159.2	3159.2	3162.4	3164.1	3162.4	3159.2	3159.2	3150.9	3144.3	3137.7	3131.1
30°	2891.9	2891.9	2891.9	2900.2	2891.9	2891.9	2891.9	2890.3	2890.3	2891.9	2891.9
32.5°	2583.4	2580.1	2576.8	2580.1	2576.8	2580.1	2583.4	2585.1	2583.4	2588.4	2596.6
35°	2233.7	2232.0	2237.0	2230.4	2237.0	2232.0	2233.7	2233.7	2240.3	2246.9	2248.5
37.5°	1898.8	1895.5	1902.1	1895.5	1902.1	1895.5	1898.8	1897.1	1895.5	1898.8	1893.9
40°	1580.4	1583.7	1583.7	1596.9	1583.7	1583.7	1580.4	1577.1	1565.6	1559.0	1552.4
42.5°	1275.2	1285.1	1281.8	1291.7	1281.8	1285.1	1275.2	1268.6	1255.4	1243.8	1234.0
45°	986.5	993.1	993.1	996.4	993.1	993.1	986.5	979.9	968.4	958.4	951.9
47.5°	757.2	757.2	757.2	758.9	757.2	757.2	757.2	745.6	742.4	735.8	727.5
50°	575.7	577.4	579.1	580.7	579.1	577.4	575.7	572.4	570.8	567.5	565.8
52.5°	442.1	443.7	440.5	443.7	440.5	443.7	442.1	443.7	438.8	438.8	437.2
55°	334.9	333.3	334.9	336.5	334.9	333.3	334.9	334.9	333.3	333.3	333.3
57.5°	245.8	242.5	242.5	242.5	242.5	242.5	245.8	244.2	249.1	245.8	247.4
60°	183.1	184.8	184.8	186.4	184.8	184.8	183.1	186.4	186.4	188.1	188.1
62.5°	135.3	140.2	136.9	140.2	136.9	140.2	135.3	136.9	136.9	138.6	140.2
65°	87.5	87.5	87.5	89.1	87.5	87.5	87.5	89.1	90.7	89.1	94.0
67.5°	59.4	61.0	64.4	62.7	64.4	61.0	59.4	61.0	61.0	66.0	64.4
70°	47.9	42.9	42.9	47.9	42.9	42.9	47.9	44.5	42.9	46.2	44.5
72.5°	28.0	24.7	28.0	28.0	28.0	24.7	28.0	24.7	26.4	26.4	29.7
75°	14.9	13.2	11.5	16.5	11.5	13.2	14.9	14.9	14.9	14.9	16.5
77.5°	9.9	8.2	11.5	11.5	11.5	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: P249055

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6
2.5°	3413.2	3408.2	3409.9	3400.0	3400.0	3396.7	3398.4	3390.1	3386.9	3383.5	3388.5
5°	3462.7	3454.5	3447.8	3433.0	3424.7	3414.9	3409.9	3396.7	3385.2	3375.2	3373.6
7.5°	3502.3	3484.2	3472.6	3452.8	3438.0	3426.4	3409.9	3391.7	3376.9	3363.7	3353.8
10°	3518.8	3500.7	3482.5	3457.7	3441.2	3419.8	3403.3	3380.2	3360.4	3342.3	3330.7
12.5°	3520.4	3497.3	3480.8	3452.8	3431.3	3408.2	3390.1	3363.7	3340.6	3322.5	3304.3
15°	3505.6	3484.2	3464.3	3434.7	3413.2	3391.7	3370.4	3342.3	3320.8	3299.4	3286.2
17.5°	3472.6	3452.8	3429.7	3401.7	3381.9	3362.1	3339.0	3315.9	3291.1	3268.0	3251.5
20°	3429.7	3408.2	3388.5	3360.4	3343.9	3322.5	3301.0	3276.3	3256.5	3233.4	3215.3
22.5°	3365.4	3345.6	3327.4	3310.9	3284.5	3268.0	3253.2	3225.2	3205.3	3183.9	3164.1
25°	3273.0	3253.2	3238.3	3218.5	3207.0	3188.8	3174.0	3149.3	3131.1	3111.3	3094.8
27.5°	3121.2	3109.7	3101.4	3089.8	3080.0	3071.7	3063.5	3043.7	3030.5	3012.4	2995.9
30°	2893.5	2891.9	2887.0	2882.0	2888.6	2888.6	2888.6	2885.3	2873.8	2860.5	2849.0
32.5°	2601.6	2604.9	2611.5	2616.4	2629.6	2644.5	2657.6	2664.2	2664.2	2656.0	2651.1
35°	2253.5	2258.4	2268.4	2281.5	2298.0	2316.2	2345.8	2352.5	2357.4	2357.4	2350.8
37.5°	1892.2	1890.5	1900.5	1912.0	1921.9	1935.1	1956.5	1961.5	1969.7	1966.5	1959.8
40°	1540.8	1532.6	1529.2	1532.6	1544.1	1539.2	1544.1	1540.8	1540.8	1529.2	1529.2
42.5°	1215.8	1206.0	1199.3	1194.4	1194.4	1182.8	1174.6	1166.4	1161.4	1153.1	1151.5
45°	937.1	925.4	917.2	913.9	909.0	894.1	884.2	874.3	862.8	859.5	861.1
47.5°	727.5	716.0	712.6	704.4	696.1	687.9	681.3	669.8	668.1	661.5	668.1
50°	560.9	557.6	552.7	549.3	544.4	537.8	531.2	524.6	521.3	521.3	522.9
52.5°	435.5	437.2	432.2	427.2	424.0	424.0	415.7	414.1	414.1	407.5	414.1
55°	333.3	331.6	333.3	329.9	329.9	325.0	325.0	320.0	320.0	315.1	318.4
57.5°	244.2	247.4	244.2	245.8	249.1	244.2	242.5	237.5	240.9	237.5	239.2
60°	189.7	189.7	189.7	188.1	188.1	186.4	186.4	184.8	184.8	181.4	184.8
62.5°	140.2	141.8	141.8	141.8	143.5	141.8	140.2	141.8	140.2	140.2	141.8
65°	92.4	94.0	94.0	92.4	95.7	92.4	94.0	95.7	97.3	95.7	97.3
67.5°	62.7	62.7	64.4	66.0	64.4	66.0	67.6	66.0	67.6	71.0	67.6
70°	46.2	47.9	47.9	46.2	44.5	46.2	44.5	49.5	49.5	49.5	52.8
72.5°	29.7	29.7	28.0	28.0	28.0	28.0	28.0	33.0	29.7	28.0	31.4
75°	16.5	18.1	18.1	13.2	14.9	18.1	13.2	14.9	19.8	16.5	19.8
77.5°	9.9	9.9	9.9	9.9	9.9	9.9	13.2	11.5	11.5	11.5	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: P249055

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6
2.5°	3375.2	3375.2	3373.6	3370.4	3363.7	3363.7	3362.1	3357.1	3353.8	3352.2	3352.2
5°	3358.7	3352.2	3345.6	3327.4	3327.4	3324.1	3314.3	3307.6	3304.3	3296.1	3292.8
7.5°	3343.9	3324.1	3312.6	3301.0	3286.2	3279.6	3268.0	3263.1	3251.5	3243.3	3238.3
10°	3307.6	3294.4	3279.6	3261.4	3249.9	3236.7	3223.5	3213.6	3198.8	3190.5	3183.9
12.5°	3282.9	3263.1	3249.9	3230.1	3210.3	3198.8	3180.6	3169.1	3154.2	3137.7	3127.8
15°	3259.8	3238.3	3220.2	3198.8	3177.3	3164.1	3142.7	3129.5	3108.0	3091.5	3080.0
17.5°	3225.2	3207.0	3187.2	3160.8	3141.0	3124.5	3101.4	3085.0	3065.1	3043.7	3032.1
20°	3188.8	3167.4	3147.6	3121.2	3101.4	3081.6	3058.5	3040.4	3017.3	2997.5	2984.3
22.5°	3141.0	3116.3	3099.8	3073.3	3050.3	3028.9	3007.4	2986.0	2964.5	2948.0	2933.1
25°	3071.7	3045.3	3027.2	3005.7	2984.3	2967.8	2941.4	2928.2	2906.8	2891.9	2877.0
27.5°	2972.7	2953.0	2936.5	2915.0	2896.9	2883.7	2863.9	2850.7	2832.5	2819.3	2807.8
30°	2827.6	2811.1	2796.2	2774.8	2761.6	2750.1	2731.9	2720.3	2707.1	2692.3	2689.0
32.5°	2632.9	2619.7	2604.9	2590.0	2580.1	2573.5	2558.6	2552.1	2538.9	2530.6	2522.4
35°	2339.2	2327.7	2319.5	2312.9	2309.6	2311.2	2307.9	2314.5	2317.8	2316.2	2317.8
37.5°	1954.9	1948.3	1951.6	1956.5	1973.0	1994.5	2014.3	2043.9	2063.8	2083.6	2101.7
40°	1526.0	1530.9	1544.1	1573.8	1616.7	1664.6	1709.1	1765.2	1821.3	1860.9	1897.1
42.5°	1151.5	1166.4	1199.3	1242.2	1306.6	1377.5	1446.8	1529.2	1596.9	1662.9	1709.1
45°	866.1	885.9	928.8	988.2	1059.1	1141.6	1229.0	1321.4	1402.3	1469.9	1521.0
47.5°	674.7	692.9	735.8	798.5	885.9	971.7	1062.4	1158.1	1242.2	1308.2	1352.8
50°	532.8	555.9	593.9	659.9	747.3	838.1	932.1	1026.1	1105.3	1161.4	1201.0
52.5°	419.0	440.5	476.7	546.1	635.2	725.9	813.3	905.7	974.9	1029.4	1055.8
55°	325.0	344.8	382.7	440.5	524.6	613.7	701.1	780.3	844.6	884.2	909.0
57.5°	247.4	262.3	288.7	346.4	422.4	504.8	579.1	658.2	707.7	735.8	752.2
60°	188.1	199.6	227.7	272.2	341.5	412.4	475.1	534.5	574.1	597.2	613.7
62.5°	141.8	155.1	174.8	212.8	265.6	323.4	376.1	420.7	453.7	468.5	480.1
65°	97.3	107.2	122.1	151.8	196.3	237.5	278.8	311.8	333.3	349.8	356.4
67.5°	72.6	79.2	87.5	110.5	141.8	174.8	202.9	226.0	249.1	255.7	267.3
70°	54.5	59.4	67.6	84.1	102.3	125.3	148.5	161.7	178.2	189.7	193.0
72.5°	34.6	36.3	44.5	54.5	69.3	84.1	99.0	110.5	120.5	127.0	130.3
75°	19.8	29.7	29.7	39.6	49.5	56.1	66.0	74.2	79.2	84.1	84.1
77.5°	13.2	18.1	19.8	24.7	29.7	38.0	46.2	51.1	56.1	57.7	57.7
80°	11.5	13.2	13.2	18.1	21.5	28.0	33.0	34.6	38.0	39.6	42.9
82.5°	5.0	6.6	8.2	13.2	14.9	14.9	19.8	21.5	24.7	26.4	26.4
85°	1.6	3.3	3.3	5.0	8.2	9.9	11.5	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: P249055

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6	3378.6
2.5°	3348.9	3350.5	3343.9	3342.3	3339.0	3340.6	3343.9
5°	3287.8	3289.5	3282.9	3276.3	3276.3	3274.6	3276.3
7.5°	3230.1	3231.8	3221.8	3218.5	3211.9	3213.6	3213.6
10°	3172.3	3172.3	3157.5	3155.8	3150.9	3149.3	3149.3
12.5°	3116.3	3111.3	3099.8	3093.2	3096.5	3086.6	3086.6
15°	3066.8	3058.5	3043.7	3038.7	3030.5	3027.2	3027.2
17.5°	3015.6	3009.0	2995.9	2986.0	2976.0	2974.4	2976.0
20°	2966.1	2959.5	2943.0	2936.5	2928.2	2928.2	2924.9
22.5°	2916.6	2910.0	2895.2	2890.3	2878.7	2878.7	2880.4
25°	2865.5	2860.5	2844.0	2840.8	2839.1	2832.5	2835.8
27.5°	2796.2	2792.9	2779.7	2774.8	2768.2	2766.6	2769.8
30°	2669.2	2664.2	2654.4	2649.4	2637.9	2639.5	2642.8
32.5°	2510.8	2504.3	2491.0	2486.1	2476.2	2472.9	2474.5
35°	2312.9	2307.9	2296.4	2296.4	2286.5	2283.2	2286.5
37.5°	2111.6	2116.5	2111.6	2116.5	2111.6	2109.9	2111.6
40°	1921.9	1940.0	1943.3	1961.5	1954.9	1964.8	1963.1
42.5°	1740.4	1770.1	1781.7	1796.5	1793.2	1799.8	1804.8
45°	1557.3	1582.1	1593.6	1603.5	1605.2	1608.5	1610.1
47.5°	1384.1	1403.9	1405.5	1417.1	1415.4	1415.4	1420.4
50°	1222.5	1235.6	1238.9	1247.2	1240.6	1237.3	1238.9
52.5°	1072.3	1085.5	1082.2	1085.5	1077.3	1073.9	1075.6
55°	918.9	925.4	925.4	925.4	915.6	915.6	915.6
57.5°	762.1	763.8	760.5	762.1	760.5	750.6	749.0
60°	618.7	618.7	617.0	618.7	613.7	608.7	608.7
62.5°	483.3	486.7	493.2	486.7	483.3	486.7	481.7
65°	361.3	367.9	366.2	369.5	367.9	367.9	364.6
67.5°	272.2	273.9	275.5	277.2	277.2	277.2	277.2
70°	199.6	204.6	202.9	202.9	202.9	202.9	212.8
72.5°	133.6	140.2	138.6	141.8	141.8	145.2	141.8
75°	90.7	97.3	94.0	99.0	97.3	94.0	102.3
77.5°	61.0	64.4	66.0	67.6	66.0	64.4	66.0
80°	42.9	46.2	44.5	46.2	46.2	46.2	47.9
82.5°	26.4	31.4	29.7	31.4	29.7	31.4	31.4
85°	18.1	19.8	16.5	19.8	18.1	18.1	21.5
87.5°	11.5	9.9	9.9	11.5	9.9	11.5	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)