

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: P248623

Luminaire Tested: **LD8B60D010 ER8B60950 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248623
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5752.0 lumens
Efficiency: N/A
Efficacy: 96.7 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

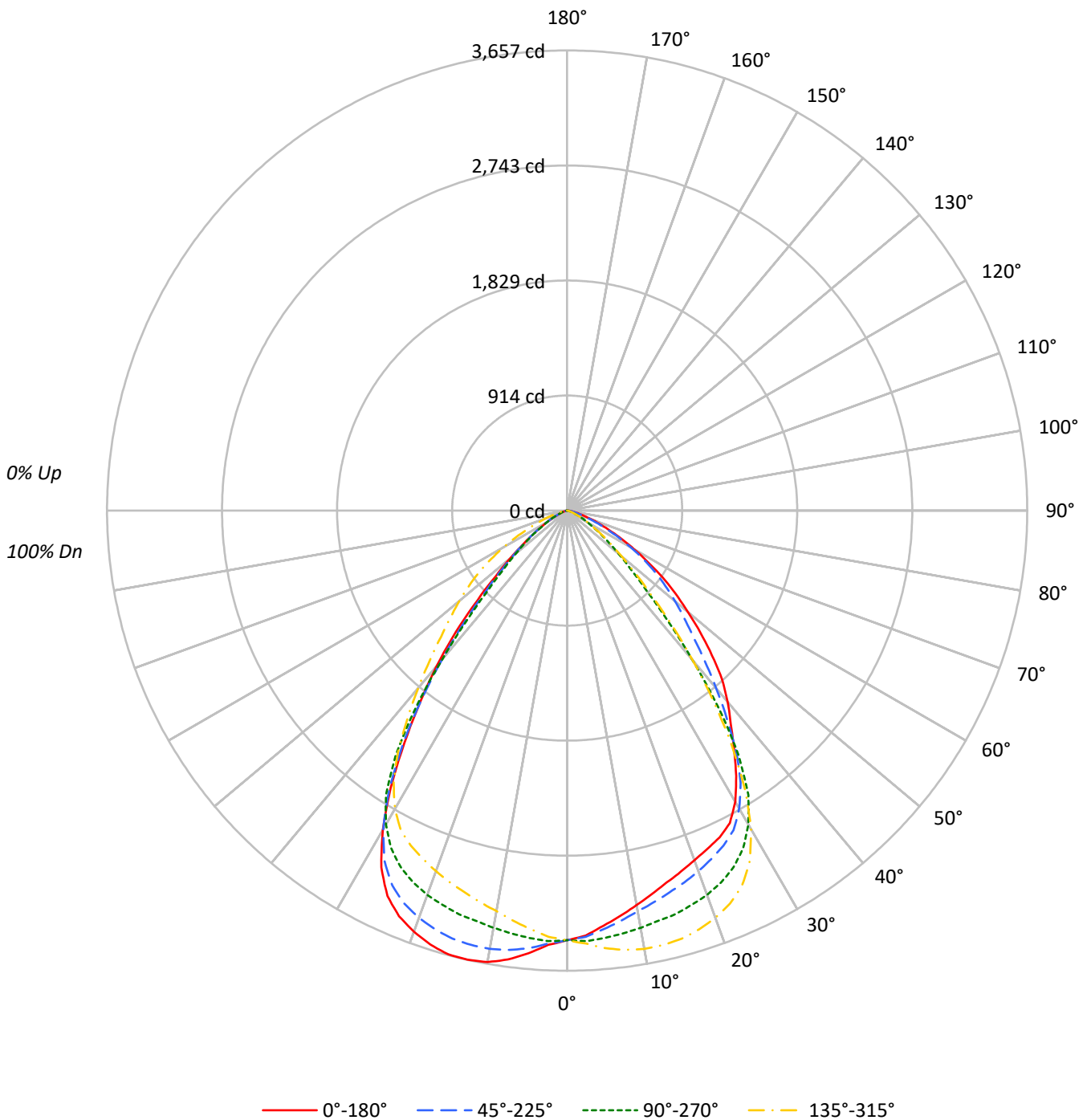
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	105300	105300	105300	105300
5°	102501	105547	109314	105547
10°	99666	105409	114076	105409
15°	97675	106033	116574	106033
20°	97012	106640	116872	106640
25°	97520	106427	114995	106427
30°	95109	102530	104374	102530
35°	86996	89443	84861	89443
40°	79872	62217	64974	62217
45°	70970	37957	43919	37957
50°	60072	25354	28155	25354
55°	49751	17300	18284	17300
60°	37947	11514	11619	11514
65°	26888	7172	6567	7172
70°	19393	4805	4364	4805
75°	12319	2383	1990	2383
80°	8595	1776	1474	1776
85°	7678	0	566	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.0	5.7
10°-20°	941.2	16.4
20°-30°	1425.2	24.8
30°-40°	1428.4	24.8
40°-50°	897.0	15.6
50°-60°	478.0	8.3
60°-70°	196.6	3.4
70°-80°	51.9	0.9
80°-90°	8.8	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°	2691.4	46.8
0°-40°	4119.8	71.6
0°-60°	5494.7	95.5
0°-90°	5752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5752.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3415	3415	3415	3415	3415	
5°	3311	3410	3532	3410	3311	312
15°	3060	3321	3652	3321	3060	865
25°	2866	3128	3380	3128	2866	1315
35°	2311	2376	2254	2376	2311	1448
45°	1627	870	1007	870	1627	1252
55°	925	322	340	322	925	825
65°	368	98	90	98	368	382
75°	103	20	17	20	103	117
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°	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8
2.5°	3379.8	3376.4	3374.8	3378.1	3379.8	3386.4	3384.8	3388.1	3388.1	3389.8	3393.1
5°	3311.4	3309.7	3311.4	3311.4	3318.1	3324.7	3323.1	3328.1	3331.4	3339.8	3343.1
7.5°	3248.1	3248.1	3246.4	3253.0	3256.4	3266.4	3264.7	3273.1	3278.1	3286.4	3298.0
10°	3183.0	3183.0	3184.7	3189.7	3191.4	3206.3	3206.3	3218.0	3224.7	3233.0	3248.1
12.5°	3119.7	3119.7	3129.7	3126.3	3133.0	3144.7	3149.7	3161.3	3171.3	3188.0	3203.1
15°	3059.6	3059.6	3063.0	3071.3	3076.3	3091.3	3099.6	3113.0	3124.7	3141.4	3163.0
17.5°	3007.9	3006.3	3007.9	3018.0	3028.0	3041.3	3048.0	3064.6	3076.3	3098.0	3118.0
20°	2956.3	2959.6	2959.6	2967.9	2974.6	2991.3	2997.9	3016.3	3029.6	3049.6	3073.0
22.5°	2911.2	2909.6	2909.6	2921.3	2926.3	2941.2	2947.9	2964.6	2979.6	2996.3	3018.0
25°	2866.2	2862.9	2869.6	2871.2	2874.5	2891.2	2896.2	2907.9	2922.9	2937.9	2959.6
27.5°	2799.5	2796.2	2797.9	2804.5	2809.5	2822.8	2826.2	2837.9	2849.5	2862.9	2881.2
30°	2671.1	2667.8	2666.2	2677.8	2682.8	2692.8	2697.8	2717.8	2721.1	2736.2	2749.5
32.5°	2501.0	2499.4	2502.7	2512.7	2517.7	2531.1	2537.8	2549.4	2557.7	2566.1	2579.4
35°	2311.0	2307.6	2311.0	2321.0	2321.0	2332.7	2337.7	2342.6	2341.0	2342.6	2339.3
37.5°	2134.3	2132.6	2134.3	2139.2	2134.3	2139.2	2134.3	2124.3	2105.9	2085.9	2065.8
40°	1984.2	1985.8	1975.9	1982.5	1964.1	1960.8	1942.5	1917.5	1880.8	1840.8	1784.1
42.5°	1824.1	1819.1	1812.5	1815.8	1800.8	1789.1	1759.1	1727.4	1680.7	1614.1	1545.6
45°	1627.4	1625.7	1622.4	1620.7	1610.7	1599.0	1574.0	1537.3	1485.6	1417.3	1335.5
47.5°	1435.6	1430.6	1430.6	1432.3	1420.6	1418.9	1398.9	1367.3	1322.2	1255.5	1170.5
50°	1252.2	1250.5	1253.9	1260.5	1252.2	1248.9	1235.6	1213.9	1173.9	1117.2	1037.1
52.5°	1087.1	1085.5	1088.8	1097.1	1093.8	1097.1	1083.8	1067.1	1040.4	985.4	915.4
55°	925.4	925.4	925.4	935.4	935.4	935.4	928.7	918.8	893.7	853.7	788.7
57.5°	757.0	758.6	768.7	770.3	768.7	772.0	770.3	760.3	743.7	715.3	665.3
60°	615.3	615.3	620.3	625.3	623.6	625.3	625.3	620.3	603.6	580.3	540.3
62.5°	486.9	491.9	488.5	491.9	498.5	491.9	488.5	485.2	473.6	458.5	425.2
65°	368.5	371.8	371.8	373.5	370.1	371.8	365.2	360.2	353.5	336.8	315.2
67.5°	280.1	280.1	280.1	280.1	278.4	276.8	275.1	270.1	258.5	251.8	228.4
70°	215.1	205.1	205.1	205.1	205.1	206.8	201.8	195.1	191.8	180.1	163.4
72.5°	143.4	146.7	143.4	143.4	140.1	141.7	135.1	131.7	128.4	121.8	111.7
75°	103.4	95.1	98.3	100.1	95.1	98.3	91.7	85.0	85.0	80.0	75.0
77.5°	66.7	65.1	66.7	68.4	66.7	65.1	61.7	58.3	58.3	56.7	51.7
80°	48.4	46.7	46.7	46.7	45.0	46.7	43.4	43.4	40.0	38.4	35.0
82.5°	31.7	31.7	30.0	31.7	30.0	31.7	26.7	26.7	26.7	25.0	21.7
85°	21.7	18.3	18.3	20.0	16.7	20.0	18.3	16.7	15.0	15.0	13.3
87.5°	10.0	11.7	10.0	11.7	10.0	10.0	11.7	10.0	10.0	6.7	6.7
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°	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8
2.5°	3398.1	3399.8	3399.8	3406.5	3409.8	3411.4	3411.4	3424.8	3419.8	3423.2	3426.4
5°	3349.8	3359.7	3363.1	3363.1	3381.4	3388.1	3394.7	3409.8	3411.4	3421.4	3433.1
7.5°	3303.0	3314.7	3321.4	3336.4	3348.1	3359.7	3379.8	3389.8	3399.8	3413.1	3428.1
10°	3258.0	3271.4	3284.7	3296.4	3314.7	3329.7	3343.1	3366.4	3378.1	3396.5	3416.4
12.5°	3214.7	3233.0	3244.7	3264.7	3284.7	3298.0	3318.1	3339.8	3358.1	3376.4	3399.8
15°	3176.4	3198.0	3211.4	3233.0	3254.7	3273.1	3294.7	3321.4	3334.8	3356.4	3378.1
17.5°	3134.6	3158.0	3174.7	3194.7	3221.4	3241.4	3259.7	3286.4	3303.0	3326.4	3351.4
20°	3091.3	3114.7	3134.6	3154.7	3181.4	3201.3	3223.0	3249.7	3268.0	3291.4	3311.4
22.5°	3039.6	3061.3	3083.0	3106.3	3133.0	3149.7	3174.7	3198.0	3218.0	3239.7	3259.7
25°	2972.9	2999.6	3016.3	3037.9	3059.6	3077.9	3104.6	3128.0	3144.7	3164.7	3183.0
27.5°	2894.6	2914.6	2927.9	2946.2	2967.9	2984.6	3004.6	3028.0	3044.7	3063.0	3076.3
30°	2761.1	2779.5	2791.2	2804.5	2826.2	2841.2	2857.9	2879.5	2891.2	2904.6	2916.2
32.5°	2586.1	2601.1	2607.8	2617.8	2632.8	2647.8	2661.1	2679.5	2684.5	2692.8	2692.8
35°	2332.7	2336.0	2334.3	2337.7	2344.3	2352.7	2364.3	2376.0	2382.6	2382.6	2377.7
37.5°	2035.9	2015.9	1994.2	1977.5	1972.5	1969.1	1975.9	1980.8	1987.5	1990.8	1982.5
40°	1727.4	1682.4	1634.0	1590.6	1560.7	1547.3	1542.3	1545.6	1545.6	1557.3	1557.3
42.5°	1462.3	1392.2	1320.6	1255.5	1212.2	1178.9	1163.8	1163.8	1165.5	1173.9	1178.9
45°	1242.2	1153.8	1070.4	998.8	938.7	895.4	875.4	870.4	868.7	872.0	883.7
47.5°	1073.8	982.1	895.4	807.0	743.7	700.3	682.0	675.3	668.6	675.3	677.0
50°	942.1	847.0	755.3	667.0	600.2	561.9	538.5	528.5	526.9	526.9	530.2
52.5°	822.0	733.7	642.0	551.9	481.9	445.2	423.5	418.5	411.9	418.5	418.5
55°	708.6	620.3	530.2	445.2	386.8	348.5	328.5	321.8	318.4	323.5	323.5
57.5°	585.3	510.2	426.9	350.2	291.8	265.1	250.1	241.8	240.1	243.4	240.1
60°	480.2	416.9	345.1	275.1	230.1	201.8	190.1	186.7	183.4	186.7	186.7
62.5°	380.1	326.8	268.4	215.1	176.7	156.8	143.4	143.4	141.7	141.7	143.4
65°	281.8	240.1	198.4	153.4	123.4	108.4	98.3	98.3	96.7	98.3	96.7
67.5°	205.1	176.7	143.4	111.7	88.4	80.0	73.4	68.4	71.7	68.4	66.7
70°	150.1	126.7	103.4	85.0	68.4	60.1	55.0	53.3	50.0	50.0	50.0
72.5°	100.1	85.0	70.0	55.0	45.0	36.6	35.0	31.7	28.3	30.0	33.4
75°	66.7	56.7	50.0	40.0	30.0	30.0	20.0	20.0	16.7	20.0	15.0
77.5°	46.7	38.4	30.0	25.0	20.0	18.3	13.3	13.3	11.7	11.7	11.7
80°	33.4	28.3	21.7	18.3	13.3	13.3	11.7	10.0	8.3	8.3	10.0
82.5°	20.0	15.0	15.0	13.3	8.3	6.7	5.0	6.7	3.4	3.4	3.4
85°	11.7	10.0	8.3	5.0	3.4	3.4	1.6	0.0	1.6	1.6	0.0
87.5°	6.7	3.4	3.4	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.4
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°	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8
2.5°	3434.8	3433.1	3436.5	3436.5	3446.5	3444.8	3449.8	3449.8	3446.5	3448.1	3454.8
5°	3446.5	3451.5	3461.4	3469.8	3484.8	3491.5	3499.8	3508.2	3509.8	3514.8	3519.9
7.5°	3446.5	3463.2	3474.8	3489.8	3509.8	3521.5	3539.8	3554.9	3561.5	3569.8	3579.8
10°	3439.8	3456.4	3478.1	3494.8	3519.9	3538.2	3556.5	3579.8	3589.9	3603.2	3616.6
12.5°	3426.4	3444.8	3468.1	3489.8	3518.1	3534.8	3558.1	3579.8	3594.9	3613.2	3628.2
15°	3406.5	3428.1	3449.8	3471.5	3501.5	3521.5	3543.2	3568.2	3583.2	3603.2	3616.6
17.5°	3374.8	3398.1	3418.1	3438.1	3466.5	3489.8	3509.8	3533.2	3548.2	3564.9	3583.2
20°	3336.4	3358.1	3379.8	3396.5	3424.8	3444.8	3466.5	3488.1	3499.8	3503.2	3531.5
22.5°	3288.1	3303.0	3319.7	3346.4	3363.1	3381.4	3401.5	3421.4	3433.1	3451.5	3461.4
25°	3208.0	3223.0	3241.4	3253.0	3273.1	3288.1	3308.1	3329.7	3336.4	3349.8	3359.7
27.5°	3096.3	3104.6	3113.0	3123.0	3134.6	3143.0	3154.7	3164.7	3171.3	3178.0	3184.7
30°	2919.5	2919.5	2919.5	2912.9	2917.9	2922.9	2924.6	2922.9	2922.9	2921.3	2921.3
32.5°	2686.1	2672.8	2657.8	2644.5	2639.5	2632.8	2629.4	2624.4	2616.1	2611.1	2612.8
35°	2371.0	2341.0	2322.7	2306.0	2292.7	2282.7	2277.6	2272.6	2271.0	2264.3	2257.6
37.5°	1977.5	1955.8	1942.5	1932.5	1920.8	1910.8	1912.5	1914.2	1919.1	1915.8	1917.5
40°	1560.7	1555.6	1560.7	1549.0	1545.6	1549.0	1557.3	1569.0	1575.7	1582.3	1594.0
42.5°	1187.2	1195.5	1207.2	1207.2	1212.2	1218.9	1228.8	1247.2	1257.2	1268.8	1282.2
45°	893.7	903.7	918.8	923.7	927.1	935.4	947.1	962.1	968.7	978.7	990.4
47.5°	688.6	695.3	703.6	712.0	720.3	723.6	735.3	735.3	743.7	750.3	753.6
50°	536.9	543.6	550.2	555.2	558.6	563.6	566.9	571.9	573.5	576.9	578.6
52.5°	420.2	428.5	428.5	431.8	436.8	441.8	440.2	441.8	443.5	443.5	448.5
55°	328.5	328.5	333.5	333.5	336.8	335.1	336.8	336.8	336.8	336.8	338.5
57.5°	245.1	246.8	251.8	248.4	246.8	250.1	246.8	250.1	248.4	251.8	246.8
60°	188.4	188.4	190.1	190.1	191.8	191.8	191.8	190.1	190.1	188.4	188.4
62.5°	141.7	143.4	145.1	143.4	143.4	143.4	141.7	141.7	140.1	138.4	138.4
65°	95.1	93.4	96.7	93.4	95.1	95.1	93.4	95.1	90.0	91.7	90.0
67.5°	68.4	66.7	65.1	66.7	65.1	63.3	63.3	65.1	66.7	61.7	61.7
70°	45.0	46.7	45.0	46.7	48.4	48.4	46.7	45.0	46.7	43.4	45.0
72.5°	28.3	28.3	28.3	28.3	28.3	30.0	30.0	30.0	26.7	26.7	25.0
75°	13.3	18.3	15.0	13.3	18.3	18.3	16.7	16.7	15.0	15.0	15.0
77.5°	13.3	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.3	10.0	8.3
80°	6.7	6.7	6.7	5.0	6.7	6.7	8.3	6.7	6.7	5.0	8.3
82.5°	3.4	3.4	3.4	0.0	1.6	3.4	3.4	1.6	3.4	3.4	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: P248623

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8
2.5°	3453.1	3451.5	3453.1	3454.8	3453.1	3451.5	3453.1	3454.8	3448.1	3446.5	3449.8
5°	3526.5	3526.5	3529.8	3531.5	3529.8	3526.5	3526.5	3519.9	3514.8	3509.8	3508.2
7.5°	3589.9	3593.2	3596.5	3598.2	3596.5	3593.2	3589.9	3579.8	3569.8	3561.5	3554.9
10°	3628.2	3633.2	3639.9	3643.2	3639.9	3633.2	3628.2	3616.6	3603.2	3589.9	3579.8
12.5°	3644.9	3649.9	3658.2	3656.6	3658.2	3649.9	3644.9	3628.2	3613.2	3594.9	3579.8
15°	3633.2	3639.9	3648.2	3651.6	3648.2	3639.9	3633.2	3616.6	3603.2	3583.2	3568.2
17.5°	3596.5	3606.5	3611.5	3616.6	3611.5	3606.5	3596.5	3583.2	3564.9	3548.2	3533.2
20°	3546.5	3553.2	3559.9	3561.5	3559.9	3553.2	3546.5	3531.5	3503.2	3499.8	3488.1
22.5°	3474.8	3479.8	3494.8	3489.8	3494.8	3479.8	3474.8	3461.4	3451.5	3433.1	3421.4
25°	3371.4	3376.4	3378.1	3379.8	3378.1	3376.4	3371.4	3359.7	3349.8	3336.4	3329.7
27.5°	3193.0	3193.0	3196.3	3198.0	3196.3	3193.0	3193.0	3184.7	3178.0	3171.3	3164.7
30°	2922.9	2922.9	2922.9	2931.3	2922.9	2922.9	2922.9	2921.3	2921.3	2922.9	2922.9
32.5°	2611.1	2607.8	2604.5	2607.8	2604.5	2607.8	2611.1	2612.8	2611.1	2616.1	2624.4
35°	2257.6	2256.0	2261.0	2254.3	2261.0	2256.0	2257.6	2257.6	2264.3	2271.0	2272.6
37.5°	1919.1	1915.8	1922.5	1915.8	1922.5	1915.8	1919.1	1917.5	1915.8	1919.1	1914.2
40°	1597.4	1600.7	1600.7	1614.1	1600.7	1600.7	1597.4	1594.0	1582.3	1575.7	1569.0
42.5°	1288.9	1298.9	1295.5	1305.6	1295.5	1298.9	1288.9	1282.2	1268.8	1257.2	1247.2
45°	997.1	1003.8	1003.8	1007.1	1003.8	1003.8	997.1	990.4	978.7	968.7	962.1
47.5°	765.3	765.3	765.3	767.0	765.3	765.3	765.3	753.6	750.3	743.7	735.3
50°	581.9	583.6	585.3	586.9	585.3	583.6	581.9	578.6	576.9	573.5	571.9
52.5°	446.9	448.5	445.2	448.5	445.2	448.5	446.9	448.5	443.5	443.5	441.8
55°	338.5	336.8	338.5	340.1	338.5	336.8	338.5	338.5	336.8	336.8	336.8
57.5°	248.4	245.1	245.1	245.1	245.1	245.1	248.4	246.8	251.8	248.4	250.1
60°	185.1	186.7	186.7	188.4	186.7	186.7	185.1	188.4	188.4	190.1	190.1
62.5°	136.7	141.7	138.4	141.7	138.4	141.7	136.7	138.4	138.4	140.1	141.7
65°	88.4	88.4	88.4	90.0	88.4	88.4	88.4	90.0	91.7	90.0	95.1
67.5°	60.1	61.7	65.1	63.3	65.1	61.7	60.1	61.7	61.7	66.7	65.1
70°	48.4	43.4	43.4	48.4	43.4	43.4	48.4	45.0	43.4	46.7	45.0
72.5°	28.3	25.0	28.3	28.3	28.3	25.0	28.3	25.0	26.7	26.7	30.0
75°	15.0	13.3	11.7	16.7	11.7	13.3	15.0	15.0	15.0	15.0	16.7
77.5°	10.0	8.3	11.7	11.7	11.7	8.3	10.0	8.3	10.0	8.3	10.0
80°	5.0	6.7	5.0	8.3	5.0	6.7	5.0	8.3	5.0	6.7	6.7
82.5°	1.6	3.4	3.4	3.4	3.4	3.4	1.6	1.6	3.4	3.4	1.6
85°	0.0	3.4	1.6	1.6	1.6	3.4	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: P248623

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8
2.5°	3449.8	3444.8	3446.5	3436.5	3436.5	3433.1	3434.8	3426.4	3423.2	3419.8	3424.8
5°	3499.8	3491.5	3484.8	3469.8	3461.4	3451.5	3446.5	3433.1	3421.4	3411.4	3409.8
7.5°	3539.8	3521.5	3509.8	3489.8	3474.8	3463.2	3446.5	3428.1	3413.1	3399.8	3389.8
10°	3556.5	3538.2	3519.9	3494.8	3478.1	3456.4	3439.8	3416.4	3396.5	3378.1	3366.4
12.5°	3558.1	3534.8	3518.1	3489.8	3468.1	3444.8	3426.4	3399.8	3376.4	3358.1	3339.8
15°	3543.2	3521.5	3501.5	3471.5	3449.8	3428.1	3406.5	3378.1	3356.4	3334.8	3321.4
17.5°	3509.8	3489.8	3466.5	3438.1	3418.1	3398.1	3374.8	3351.4	3326.4	3303.0	3286.4
20°	3466.5	3444.8	3424.8	3396.5	3379.8	3358.1	3336.4	3311.4	3291.4	3268.0	3249.7
22.5°	3401.5	3381.4	3363.1	3346.4	3319.7	3303.0	3288.1	3259.7	3239.7	3218.0	3198.0
25°	3308.1	3288.1	3273.1	3253.0	3241.4	3223.0	3208.0	3183.0	3164.7	3144.7	3128.0
27.5°	3154.7	3143.0	3134.6	3123.0	3113.0	3104.6	3096.3	3076.3	3063.0	3044.7	3028.0
30°	2924.6	2922.9	2917.9	2912.9	2919.5	2919.5	2919.5	2916.2	2904.6	2891.2	2879.5
32.5°	2629.4	2632.8	2639.5	2644.5	2657.8	2672.8	2686.1	2692.8	2692.8	2684.5	2679.5
35°	2277.6	2282.7	2292.7	2306.0	2322.7	2341.0	2371.0	2377.7	2382.6	2382.6	2376.0
37.5°	1912.5	1910.8	1920.8	1932.5	1942.5	1955.8	1977.5	1982.5	1990.8	1987.5	1980.8
40°	1557.3	1549.0	1545.6	1549.0	1560.7	1555.6	1560.7	1557.3	1557.3	1545.6	1545.6
42.5°	1228.8	1218.9	1212.2	1207.2	1207.2	1195.5	1187.2	1178.9	1173.9	1165.5	1163.8
45°	947.1	935.4	927.1	923.7	918.8	903.7	893.7	883.7	872.0	868.7	870.4
47.5°	735.3	723.6	720.3	712.0	703.6	695.3	688.6	677.0	675.3	668.6	675.3
50°	566.9	563.6	558.6	555.2	550.2	543.6	536.9	530.2	526.9	526.9	528.5
52.5°	440.2	441.8	436.8	431.8	428.5	428.5	420.2	418.5	418.5	411.9	418.5
55°	336.8	335.1	336.8	333.5	333.5	328.5	328.5	323.5	323.5	318.4	321.8
57.5°	246.8	250.1	246.8	248.4	251.8	246.8	245.1	240.1	243.4	240.1	241.8
60°	191.8	191.8	191.8	190.1	190.1	188.4	188.4	186.7	186.7	183.4	186.7
62.5°	141.7	143.4	143.4	143.4	145.1	143.4	141.7	143.4	141.7	141.7	143.4
65°	93.4	95.1	95.1	93.4	96.7	93.4	95.1	96.7	98.3	96.7	98.3
67.5°	63.3	63.3	65.1	66.7	65.1	66.7	68.4	66.7	68.4	71.7	68.4
70°	46.7	48.4	48.4	46.7	45.0	46.7	45.0	50.0	50.0	50.0	53.3
72.5°	30.0	30.0	28.3	28.3	28.3	28.3	28.3	33.4	30.0	28.3	31.7
75°	16.7	18.3	18.3	13.3	15.0	18.3	13.3	15.0	20.0	16.7	20.0
77.5°	10.0	10.0	10.0	10.0	10.0	10.0	13.3	11.7	11.7	11.7	13.3
80°	8.3	6.7	6.7	5.0	6.7	6.7	6.7	10.0	8.3	8.3	10.0
82.5°	3.4	3.4	1.6	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.7
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	3.4	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: P248623

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8
2.5°	3411.4	3411.4	3409.8	3406.5	3399.8	3399.8	3398.1	3393.1	3389.8	3388.1	3388.1
5°	3394.7	3388.1	3381.4	3363.1	3363.1	3359.7	3349.8	3343.1	3339.8	3331.4	3328.1
7.5°	3379.8	3359.7	3348.1	3336.4	3321.4	3314.7	3303.0	3298.0	3286.4	3278.1	3273.1
10°	3343.1	3329.7	3314.7	3296.4	3284.7	3271.4	3258.0	3248.1	3233.0	3224.7	3218.0
12.5°	3318.1	3298.0	3284.7	3264.7	3244.7	3233.0	3214.7	3203.1	3188.0	3171.3	3161.3
15°	3294.7	3273.1	3254.7	3233.0	3211.4	3198.0	3176.4	3163.0	3141.4	3124.7	3113.0
17.5°	3259.7	3241.4	3221.4	3194.7	3174.7	3158.0	3134.6	3118.0	3098.0	3076.3	3064.6
20°	3223.0	3201.3	3181.4	3154.7	3134.6	3114.7	3091.3	3073.0	3049.6	3029.6	3016.3
22.5°	3174.7	3149.7	3133.0	3106.3	3083.0	3061.3	3039.6	3018.0	2996.3	2979.6	2964.6
25°	3104.6	3077.9	3059.6	3037.9	3016.3	2999.6	2972.9	2959.6	2937.9	2922.9	2907.9
27.5°	3004.6	2984.6	2967.9	2946.2	2927.9	2914.6	2894.6	2881.2	2862.9	2849.5	2837.9
30°	2857.9	2841.2	2826.2	2804.5	2791.2	2779.5	2761.1	2749.5	2736.2	2721.1	2717.8
32.5°	2661.1	2647.8	2632.8	2617.8	2607.8	2601.1	2586.1	2579.4	2566.1	2557.7	2549.4
35°	2364.3	2352.7	2344.3	2337.7	2334.3	2336.0	2332.7	2339.3	2342.6	2341.0	2342.6
37.5°	1975.9	1969.1	1972.5	1977.5	1994.2	2015.9	2035.9	2065.8	2085.9	2105.9	2124.3
40°	1542.3	1547.3	1560.7	1590.6	1634.0	1682.4	1727.4	1784.1	1840.8	1880.8	1917.5
42.5°	1163.8	1178.9	1212.2	1255.5	1320.6	1392.2	1462.3	1545.6	1614.1	1680.7	1727.4
45°	875.4	895.4	938.7	998.8	1070.4	1153.8	1242.2	1335.5	1417.3	1485.6	1537.3
47.5°	682.0	700.3	743.7	807.0	895.4	982.1	1073.8	1170.5	1255.5	1322.2	1367.3
50°	538.5	561.9	600.2	667.0	755.3	847.0	942.1	1037.1	1117.2	1173.9	1213.9
52.5°	423.5	445.2	481.9	551.9	642.0	733.7	822.0	915.4	985.4	1040.4	1067.1
55°	328.5	348.5	386.8	445.2	530.2	620.3	708.6	788.7	853.7	893.7	918.8
57.5°	250.1	265.1	291.8	350.2	426.9	510.2	585.3	665.3	715.3	743.7	760.3
60°	190.1	201.8	230.1	275.1	345.1	416.9	480.2	540.3	580.3	603.6	620.3
62.5°	143.4	156.8	176.7	215.1	268.4	326.8	380.1	425.2	458.5	473.6	485.2
65°	98.3	108.4	123.4	153.4	198.4	240.1	281.8	315.2	336.8	353.5	360.2
67.5°	73.4	80.0	88.4	111.7	143.4	176.7	205.1	228.4	251.8	258.5	270.1
70°	55.0	60.1	68.4	85.0	103.4	126.7	150.1	163.4	180.1	191.8	195.1
72.5°	35.0	36.6	45.0	55.0	70.0	85.0	100.1	111.7	121.8	128.4	131.7
75°	20.0	30.0	30.0	40.0	50.0	56.7	66.7	75.0	80.0	85.0	85.0
77.5°	13.3	18.3	20.0	25.0	30.0	38.4	46.7	51.7	56.7	58.3	58.3
80°	11.7	13.3	13.3	18.3	21.7	28.3	33.4	35.0	38.4	40.0	43.4
82.5°	5.0	6.7	8.3	13.3	15.0	15.0	20.0	21.7	25.0	26.7	26.7
85°	1.6	3.4	3.4	5.0	8.3	10.0	11.7	13.3	15.0	15.0	16.7
87.5°	1.6	1.6	0.0	1.6	3.4	3.4	6.7	6.7	6.7	10.0	10.0
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: P248623

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8	3414.8
2.5°	3384.8	3386.4	3379.8	3378.1	3374.8	3376.4	3379.8
5°	3323.1	3324.7	3318.1	3311.4	3311.4	3309.7	3311.4
7.5°	3264.7	3266.4	3256.4	3253.0	3246.4	3248.1	3248.1
10°	3206.3	3206.3	3191.4	3189.7	3184.7	3183.0	3183.0
12.5°	3149.7	3144.7	3133.0	3126.3	3129.7	3119.7	3119.7
15°	3099.6	3091.3	3076.3	3071.3	3063.0	3059.6	3059.6
17.5°	3048.0	3041.3	3028.0	3018.0	3007.9	3006.3	3007.9
20°	2997.9	2991.3	2974.6	2967.9	2959.6	2959.6	2956.3
22.5°	2947.9	2941.2	2926.3	2921.3	2909.6	2909.6	2911.2
25°	2896.2	2891.2	2874.5	2871.2	2869.6	2862.9	2866.2
27.5°	2826.2	2822.8	2809.5	2804.5	2797.9	2796.2	2799.5
30°	2697.8	2692.8	2682.8	2677.8	2666.2	2667.8	2671.1
32.5°	2537.8	2531.1	2517.7	2512.7	2502.7	2499.4	2501.0
35°	2337.7	2332.7	2321.0	2321.0	2311.0	2307.6	2311.0
37.5°	2134.3	2139.2	2134.3	2139.2	2134.3	2132.6	2134.3
40°	1942.5	1960.8	1964.1	1982.5	1975.9	1985.8	1984.2
42.5°	1759.1	1789.1	1800.8	1815.8	1812.5	1819.1	1824.1
45°	1574.0	1599.0	1610.7	1620.7	1622.4	1625.7	1627.4
47.5°	1398.9	1418.9	1420.6	1432.3	1430.6	1430.6	1435.6
50°	1235.6	1248.9	1252.2	1260.5	1253.9	1250.5	1252.2
52.5°	1083.8	1097.1	1093.8	1097.1	1088.8	1085.5	1087.1
55°	928.7	935.4	935.4	935.4	925.4	925.4	925.4
57.5°	770.3	772.0	768.7	770.3	768.7	758.6	757.0
60°	625.3	625.3	623.6	625.3	620.3	615.3	615.3
62.5°	488.5	491.9	498.5	491.9	488.5	491.9	486.9
65°	365.2	371.8	370.1	373.5	371.8	371.8	368.5
67.5°	275.1	276.8	278.4	280.1	280.1	280.1	280.1
70°	201.8	206.8	205.1	205.1	205.1	205.1	215.1
72.5°	135.1	141.7	140.1	143.4	143.4	146.7	143.4
75°	91.7	98.3	95.1	100.1	98.3	95.1	103.4
77.5°	61.7	65.1	66.7	68.4	66.7	65.1	66.7
80°	43.4	46.7	45.0	46.7	46.7	46.7	48.4
82.5°	26.7	31.7	30.0	31.7	30.0	31.7	31.7
85°	18.3	20.0	16.7	20.0	18.3	18.3	21.7
87.5°	11.7	10.0	10.0	11.7	10.0	11.7	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)