

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: P249046

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249046
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: LSR8B60D010 EC8B60940 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5497.0 lumens
Efficiency: N/A
Efficacy: 92.4 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

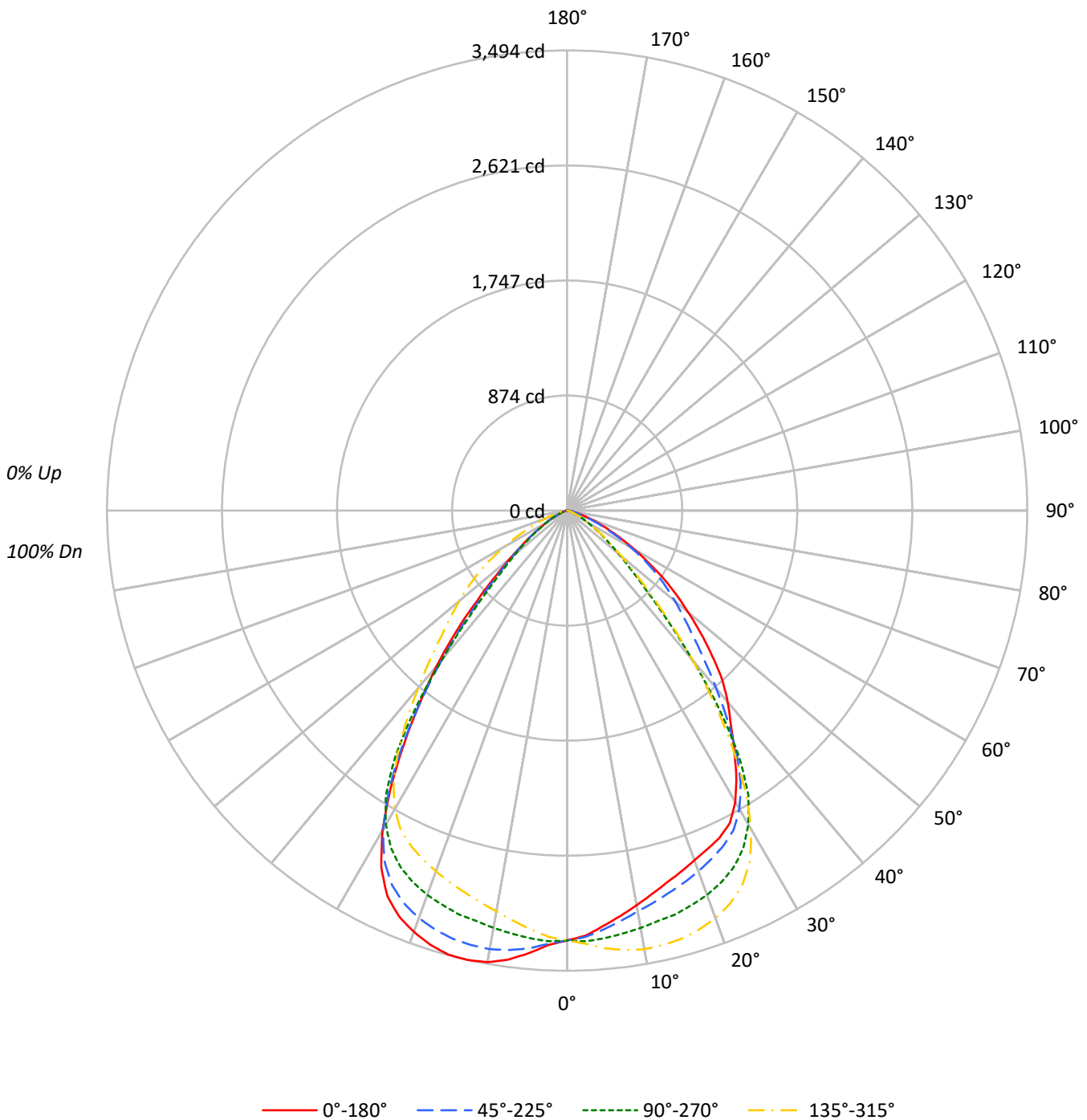
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	100631	100631	100631	100631
5°	97957	100867	104470	100867
10°	95248	100737	109019	100737
15°	93346	101333	111406	101333
20°	92710	101915	111690	101915
25°	93199	101708	109894	101708
30°	90893	97986	99745	97986
35°	83137	85479	81101	85479
40°	76330	59459	62092	59459
45°	67821	36274	41969	36274
50°	57409	24231	26908	24231
55°	47547	16532	17478	16532
60°	36264	11009	11101	11009
65°	25691	6859	6282	6859
70°	18537	4598	4165	4598
75°	11771	2288	1894	2288
80°	8204	1705	1403	1705
85°	7324	0	566	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.6	5.7
10°-20°	899.5	16.4
20°-30°	1362.0	24.8
30°-40°	1365.1	24.8
40°-50°	857.2	15.6
50°-60°	456.8	8.3
60°-70°	187.8	3.4
70°-80°	49.6	0.9
80°-90°	8.4	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°	2572.1	46.8
0°-40°	3937.2	71.6
0°-60°	5251.1	95.5
0°-90°	5497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5497.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3263	3263	3263	3263	3263	
5°	3165	3259	3375	3259	3165	298
15°	2924	3174	3490	3174	2924	827
25°	2739	2989	3230	2989	2739	1256
35°	2208	2271	2154	2271	2208	1384
45°	1555	832	962	832	1555	1196
55°	884	308	325	308	884	788
65°	352	94	86	94	352	365
75°	99	19	16	19	99	112
85°	21	0	2	0	21	23
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°	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4
2.5°	3229.9	3226.7	3225.2	3228.4	3229.9	3236.3	3234.7	3237.9	3237.9	3239.5	3242.7
5°	3164.6	3163.0	3164.6	3164.6	3171.0	3177.3	3175.8	3180.6	3183.7	3191.7	3194.9
7.5°	3104.1	3104.1	3102.4	3108.8	3112.0	3121.6	3120.0	3128.0	3132.7	3140.7	3151.8
10°	3041.9	3041.9	3043.5	3048.3	3049.9	3064.2	3064.2	3075.4	3081.7	3089.7	3104.1
12.5°	2981.4	2981.4	2990.9	2987.7	2994.1	3005.2	3010.0	3021.2	3030.8	3046.7	3061.1
15°	2924.0	2924.0	2927.2	2935.1	2939.9	2954.3	2962.2	2975.0	2986.2	3002.1	3022.8
17.5°	2874.6	2873.0	2874.6	2884.2	2893.7	2906.5	2912.8	2928.8	2939.9	2960.6	2979.8
20°	2825.2	2828.4	2828.4	2836.4	2842.7	2858.7	2865.0	2882.6	2895.3	2914.4	2936.8
22.5°	2782.2	2780.6	2780.6	2791.8	2796.5	2810.8	2817.2	2833.1	2847.5	2863.4	2884.2
25°	2739.2	2735.9	2742.4	2743.9	2747.1	2763.0	2767.8	2779.0	2793.3	2807.7	2828.4
27.5°	2675.4	2672.3	2673.8	2680.2	2685.0	2697.7	2700.9	2712.1	2723.2	2735.9	2753.5
30°	2552.7	2549.5	2548.0	2559.1	2563.9	2573.4	2578.2	2597.3	2600.5	2614.9	2627.6
32.5°	2390.2	2388.6	2391.8	2401.3	2406.1	2418.9	2425.2	2436.4	2444.3	2452.3	2465.1
35°	2208.5	2205.3	2208.5	2218.1	2218.1	2229.3	2234.1	2238.8	2237.2	2238.8	2235.6
37.5°	2039.7	2038.0	2039.7	2044.4	2039.7	2044.4	2039.7	2030.1	2012.6	1993.4	1974.3
40°	1896.2	1897.8	1888.3	1894.6	1877.1	1873.9	1856.4	1832.5	1797.4	1759.2	1705.0
42.5°	1743.3	1738.5	1732.1	1735.3	1721.0	1709.7	1681.1	1650.8	1606.2	1542.5	1477.1
45°	1555.2	1553.6	1550.4	1548.9	1539.3	1528.1	1504.2	1469.2	1419.8	1354.5	1276.3
47.5°	1372.0	1367.2	1367.2	1368.8	1357.6	1356.0	1336.9	1306.6	1263.6	1199.9	1118.6
50°	1196.7	1195.1	1198.3	1204.7	1196.7	1193.5	1180.8	1160.1	1121.8	1067.6	991.1
52.5°	1038.9	1037.3	1040.6	1048.5	1045.3	1048.5	1035.8	1019.8	994.3	941.7	874.8
55°	884.4	884.4	884.4	893.9	893.9	893.9	887.5	878.0	854.1	815.8	753.7
57.5°	723.4	725.0	734.6	736.2	734.6	737.8	736.2	726.6	710.7	683.6	635.8
60°	588.0	588.0	592.8	597.6	595.9	597.6	597.6	592.8	576.8	554.5	516.3
62.5°	465.3	470.1	466.9	470.1	476.4	470.1	466.9	463.7	452.6	438.2	406.3
65°	352.1	355.4	355.4	356.9	353.7	355.4	349.0	344.2	337.8	321.9	301.2
67.5°	267.7	267.7	267.7	267.7	266.1	264.5	262.9	258.2	247.0	240.6	218.3
70°	205.6	196.0	196.0	196.0	196.0	197.6	192.8	186.5	183.3	172.1	156.2
72.5°	137.0	140.2	137.0	137.0	133.9	135.4	129.1	125.9	122.7	116.4	106.8
75°	98.8	90.8	94.0	95.6	90.8	94.0	87.6	81.3	81.3	76.5	71.7
77.5°	63.8	62.2	63.8	65.3	63.8	62.2	59.0	55.7	55.7	54.2	49.4
80°	46.2	44.6	44.6	44.6	43.0	44.6	41.5	41.5	38.2	36.7	33.4
82.5°	30.3	30.3	28.7	30.3	28.7	30.3	25.5	25.5	25.5	23.9	20.7
85°	20.7	17.5	17.5	19.2	15.9	19.2	17.5	15.9	14.4	14.4	12.7
87.5°	9.6	11.1	9.6	11.1	9.6	9.6	11.1	9.6	9.6	6.4	6.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4
2.5°	3247.5	3249.0	3249.0	3255.5	3258.6	3260.2	3260.2	3273.0	3268.2	3271.4	3274.5
5°	3201.3	3210.8	3214.0	3214.0	3231.5	3237.9	3244.2	3258.6	3260.2	3269.8	3280.9
7.5°	3156.6	3167.8	3174.2	3188.5	3199.6	3210.8	3229.9	3239.5	3249.0	3261.8	3276.1
10°	3113.6	3126.4	3139.1	3150.3	3167.8	3182.1	3194.9	3217.2	3228.4	3245.9	3265.0
12.5°	3072.2	3089.7	3100.9	3120.0	3139.1	3151.8	3171.0	3191.7	3209.2	3226.7	3249.0
15°	3035.5	3056.3	3069.0	3089.7	3110.4	3128.0	3148.7	3174.2	3186.9	3207.6	3228.4
17.5°	2995.7	3018.0	3034.0	3053.1	3078.6	3097.7	3115.2	3140.7	3156.6	3178.9	3202.9
20°	2954.3	2976.6	2995.7	3014.8	3040.3	3059.4	3080.1	3105.7	3123.2	3145.5	3164.6
22.5°	2904.9	2925.6	2946.3	2968.6	2994.1	3010.0	3034.0	3056.3	3075.4	3096.1	3115.2
25°	2841.1	2866.7	2882.6	2903.3	2924.0	2941.5	2967.0	2989.3	3005.2	3024.4	3041.9
27.5°	2766.2	2785.4	2798.1	2815.6	2836.4	2852.3	2871.4	2893.7	2909.7	2927.2	2939.9
30°	2638.7	2656.3	2667.5	2680.2	2700.9	2715.3	2731.2	2751.9	2763.0	2775.8	2787.0
32.5°	2471.4	2485.8	2492.1	2501.7	2516.1	2530.4	2543.2	2560.7	2565.5	2573.4	2573.4
35°	2229.3	2232.4	2230.8	2234.1	2240.4	2248.4	2259.5	2270.7	2277.0	2277.0	2272.3
37.5°	1945.6	1926.5	1905.8	1889.9	1885.1	1881.8	1888.3	1893.0	1899.4	1902.6	1894.6
40°	1650.8	1607.8	1561.6	1520.1	1491.5	1478.7	1474.0	1477.1	1477.1	1488.3	1488.3
42.5°	1397.5	1330.5	1262.0	1199.9	1158.4	1126.6	1112.2	1112.2	1113.8	1121.8	1126.6
45°	1187.1	1102.7	1023.0	954.5	897.1	855.7	836.6	831.8	830.2	833.4	844.5
47.5°	1026.2	938.6	855.7	771.2	710.7	669.3	651.7	645.3	639.0	645.3	647.0
50°	900.3	809.5	721.9	637.4	573.6	537.0	514.7	505.1	503.5	503.5	506.7
52.5°	785.5	701.1	613.5	527.5	460.5	425.5	404.7	400.0	393.6	400.0	400.0
55°	677.2	592.8	506.7	425.5	369.7	333.1	313.9	307.5	304.3	309.1	309.1
57.5°	559.3	487.6	408.0	334.6	278.9	253.4	239.0	231.1	229.4	232.6	229.4
60°	458.9	398.4	329.8	262.9	219.9	192.8	181.7	178.5	175.3	178.5	178.5
62.5°	363.3	312.3	256.5	205.6	168.9	149.8	137.0	137.0	135.4	135.4	137.0
65°	269.3	229.4	189.6	146.6	117.9	103.6	94.0	94.0	92.4	94.0	92.4
67.5°	196.0	168.9	137.0	106.8	84.5	76.5	70.1	65.3	68.5	65.3	63.8
70°	143.4	121.1	98.8	81.3	65.3	57.4	52.6	51.0	47.8	47.8	47.8
72.5°	95.6	81.3	66.9	52.6	43.0	35.0	33.4	30.3	27.1	28.7	31.9
75°	63.8	54.2	47.8	38.2	28.7	28.7	19.2	19.2	15.9	19.2	14.4
77.5°	44.6	36.7	28.7	23.9	19.2	17.5	12.7	12.7	11.1	11.1	11.1
80°	31.9	27.1	20.7	17.5	12.7	12.7	11.1	9.6	7.9	7.9	9.6
82.5°	19.2	14.4	14.4	12.7	7.9	6.4	4.8	6.4	3.2	3.2	3.2
85°	11.1	9.6	7.9	4.8	3.2	3.2	1.6	0.0	1.6	1.6	0.0
87.5°	6.4	3.2	3.2	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4
2.5°	3282.5	3280.9	3284.1	3284.1	3293.7	3292.1	3296.8	3296.8	3293.7	3295.3	3301.6
5°	3293.7	3298.5	3308.0	3316.0	3330.3	3336.7	3344.7	3352.7	3354.2	3359.0	3363.8
7.5°	3293.7	3309.6	3320.8	3335.1	3354.2	3365.4	3382.9	3397.3	3403.6	3411.6	3421.1
10°	3287.3	3303.2	3323.9	3339.9	3363.8	3381.3	3398.8	3421.1	3430.7	3443.4	3456.2
12.5°	3274.5	3292.1	3314.4	3335.1	3362.2	3378.1	3400.4	3421.1	3435.5	3453.0	3467.4
15°	3255.5	3276.1	3296.8	3317.6	3346.2	3365.4	3386.1	3410.0	3424.3	3443.4	3456.2
17.5°	3225.2	3247.5	3266.6	3285.7	3312.8	3335.1	3354.2	3376.5	3390.9	3406.8	3424.3
20°	3188.5	3209.2	3229.9	3245.9	3273.0	3292.1	3312.8	3333.5	3344.7	3347.9	3375.0
22.5°	3142.3	3156.6	3172.6	3198.1	3214.0	3231.5	3250.7	3269.8	3280.9	3298.5	3308.0
25°	3065.8	3080.1	3097.7	3108.8	3128.0	3142.3	3161.4	3182.1	3188.5	3201.3	3210.8
27.5°	2959.1	2967.0	2975.0	2984.5	2995.7	3003.7	3014.8	3024.4	3030.8	3037.1	3043.5
30°	2790.1	2790.1	2790.1	2783.8	2788.5	2793.3	2794.9	2793.3	2793.3	2791.8	2791.8
32.5°	2567.0	2554.3	2540.0	2527.2	2522.4	2516.1	2512.9	2508.1	2500.1	2495.4	2496.9
35°	2265.9	2237.2	2219.7	2203.8	2191.0	2181.5	2176.7	2171.9	2170.3	2163.9	2157.5
37.5°	1889.9	1869.1	1856.4	1846.8	1835.7	1826.1	1827.7	1829.3	1834.0	1830.9	1832.5
40°	1491.5	1486.7	1491.5	1480.3	1477.1	1480.3	1488.3	1499.5	1505.8	1512.2	1523.3
42.5°	1134.5	1142.5	1153.7	1153.7	1158.4	1164.8	1174.4	1191.9	1201.4	1212.6	1225.4
45°	854.1	863.7	878.0	882.7	886.0	893.9	905.1	919.4	925.8	935.3	946.5
47.5°	658.1	664.5	672.4	680.4	688.3	691.6	702.7	702.7	710.7	717.1	720.2
50°	513.1	519.5	525.8	530.6	533.8	538.6	541.8	546.5	548.1	551.3	552.9
52.5°	401.5	409.5	409.5	412.7	417.5	422.3	420.7	422.3	423.8	423.8	428.6
55°	313.9	313.9	318.7	318.7	321.9	320.3	321.9	321.9	321.9	321.9	323.5
57.5°	234.2	235.9	240.6	237.4	235.9	239.0	235.9	239.0	237.4	240.6	235.9
60°	180.0	180.0	181.7	181.7	183.3	183.3	183.3	181.7	181.7	180.0	180.0
62.5°	135.4	137.0	138.7	137.0	137.0	137.0	135.4	135.4	133.9	132.2	132.2
65°	90.8	89.3	92.4	89.3	90.8	90.8	89.3	90.8	86.1	87.6	86.1
67.5°	65.3	63.8	62.2	63.8	62.2	60.5	60.5	62.2	63.8	59.0	59.0
70°	43.0	44.6	43.0	44.6	46.2	46.2	44.6	43.0	44.6	41.5	43.0
72.5°	27.1	27.1	27.1	27.1	27.1	28.7	28.7	28.7	25.5	25.5	23.9
75°	12.7	17.5	14.4	12.7	17.5	17.5	15.9	15.9	14.4	14.4	14.4
77.5°	12.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	7.9	9.6	7.9
80°	6.4	6.4	6.4	4.8	6.4	6.4	7.9	6.4	6.4	4.8	7.9
82.5°	3.2	3.2	3.2	0.0	1.6	3.2	3.2	1.6	3.2	3.2	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: P249046

CATALOG NUMBER: LSR8B60D010 EC8B60940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4
2.5°	3300.1	3298.5	3300.1	3301.6	3300.1	3298.5	3300.1	3301.6	3295.3	3293.7	3296.8
5°	3370.2	3370.2	3373.3	3375.0	3373.3	3370.2	3370.2	3363.8	3359.0	3354.2	3352.7
7.5°	3430.7	3433.9	3437.1	3438.6	3437.1	3433.9	3430.7	3421.1	3411.6	3403.6	3397.3
10°	3467.4	3472.2	3478.5	3481.7	3478.5	3472.2	3467.4	3456.2	3443.4	3430.7	3421.1
12.5°	3483.3	3488.1	3496.0	3494.5	3496.0	3488.1	3483.3	3467.4	3453.0	3435.5	3421.1
15°	3472.2	3478.5	3486.5	3489.7	3486.5	3478.5	3472.2	3456.2	3443.4	3424.3	3410.0
17.5°	3437.1	3446.6	3451.4	3456.2	3451.4	3446.6	3437.1	3424.3	3406.8	3390.9	3376.5
20°	3389.3	3395.7	3402.0	3403.6	3402.0	3395.7	3389.3	3375.0	3347.9	3344.7	3333.5
22.5°	3320.8	3325.6	3339.9	3335.1	3339.9	3325.6	3320.8	3308.0	3298.5	3280.9	3269.8
25°	3221.9	3226.7	3228.4	3229.9	3228.4	3226.7	3221.9	3210.8	3201.3	3188.5	3182.1
27.5°	3051.5	3051.5	3054.6	3056.3	3054.6	3051.5	3051.5	3043.5	3037.1	3030.8	3024.4
30°	2793.3	2793.3	2793.3	2801.3	2793.3	2793.3	2793.3	2791.8	2791.8	2793.3	2793.3
32.5°	2495.4	2492.1	2489.0	2492.1	2489.0	2492.1	2495.4	2496.9	2495.4	2500.1	2508.1
35°	2157.5	2155.9	2160.7	2154.4	2160.7	2155.9	2157.5	2157.5	2163.9	2170.3	2171.9
37.5°	1834.0	1830.9	1837.3	1830.9	1837.3	1830.9	1834.0	1832.5	1830.9	1834.0	1829.3
40°	1526.6	1529.7	1529.7	1542.5	1529.7	1529.7	1526.6	1523.3	1512.2	1505.8	1499.5
42.5°	1231.7	1241.3	1238.1	1247.7	1238.1	1241.3	1231.7	1225.4	1212.6	1201.4	1191.9
45°	952.9	959.3	959.3	962.4	959.3	959.3	952.9	946.5	935.3	925.8	919.4
47.5°	731.4	731.4	731.4	733.0	731.4	731.4	731.4	720.2	717.1	710.7	702.7
50°	556.1	557.7	559.3	560.9	559.3	557.7	556.1	552.9	551.3	548.1	546.5
52.5°	427.0	428.6	425.5	428.6	425.5	428.6	427.0	428.6	423.8	423.8	422.3
55°	323.5	321.9	323.5	325.1	323.5	321.9	323.5	323.5	321.9	321.9	321.9
57.5°	237.4	234.2	234.2	234.2	234.2	234.2	237.4	235.9	240.6	237.4	239.0
60°	176.9	178.5	178.5	180.0	178.5	178.5	176.9	180.0	180.0	181.7	181.7
62.5°	130.7	135.4	132.2	135.4	132.2	135.4	130.7	132.2	132.2	133.9	135.4
65°	84.5	84.5	84.5	86.1	84.5	84.5	84.5	86.1	87.6	86.1	90.8
67.5°	57.4	59.0	62.2	60.5	62.2	59.0	57.4	59.0	59.0	63.8	62.2
70°	46.2	41.5	41.5	46.2	41.5	41.5	46.2	43.0	41.5	44.6	43.0
72.5°	27.1	23.9	27.1	27.1	27.1	23.9	27.1	23.9	25.5	25.5	28.7
75°	14.4	12.7	11.1	15.9	11.1	12.7	14.4	14.4	14.4	14.4	15.9
77.5°	9.6	7.9	11.1	11.1	11.1	7.9	9.6	7.9	9.6	7.9	9.6
80°	4.8	6.4	4.8	7.9	4.8	6.4	4.8	7.9	4.8	6.4	6.4
82.5°	1.6	3.2	3.2	3.2	3.2	3.2	1.6	1.6	3.2	3.2	1.6
85°	0.0	3.2	1.6	1.6	1.6	3.2	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: P249046

CATALOG NUMBER: LSR8B60D010 EC8B60940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4
2.5°	3296.8	3292.1	3293.7	3284.1	3284.1	3280.9	3282.5	3274.5	3271.4	3268.2	3273.0
5°	3344.7	3336.7	3330.3	3316.0	3308.0	3298.5	3293.7	3280.9	3269.8	3260.2	3258.6
7.5°	3382.9	3365.4	3354.2	3335.1	3320.8	3309.6	3293.7	3276.1	3261.8	3249.0	3239.5
10°	3398.8	3381.3	3363.8	3339.9	3323.9	3303.2	3287.3	3265.0	3245.9	3228.4	3217.2
12.5°	3400.4	3378.1	3362.2	3335.1	3314.4	3292.1	3274.5	3249.0	3226.7	3209.2	3191.7
15°	3386.1	3365.4	3346.2	3317.6	3296.8	3276.1	3255.5	3228.4	3207.6	3186.9	3174.2
17.5°	3354.2	3335.1	3312.8	3285.7	3266.6	3247.5	3225.2	3202.9	3178.9	3156.6	3140.7
20°	3312.8	3292.1	3273.0	3245.9	3229.9	3209.2	3188.5	3164.6	3145.5	3123.2	3105.7
22.5°	3250.7	3231.5	3214.0	3198.1	3172.6	3156.6	3142.3	3115.2	3096.1	3075.4	3056.3
25°	3161.4	3142.3	3128.0	3108.8	3097.7	3080.1	3065.8	3041.9	3024.4	3005.2	2989.3
27.5°	3014.8	3003.7	2995.7	2984.5	2975.0	2967.0	2959.1	2939.9	2927.2	2909.7	2893.7
30°	2794.9	2793.3	2788.5	2783.8	2790.1	2790.1	2790.1	2787.0	2775.8	2763.0	2751.9
32.5°	2512.9	2516.1	2522.4	2527.2	2540.0	2554.3	2567.0	2573.4	2573.4	2565.5	2560.7
35°	2176.7	2181.5	2191.0	2203.8	2219.7	2237.2	2265.9	2272.3	2277.0	2277.0	2270.7
37.5°	1827.7	1826.1	1835.7	1846.8	1856.4	1869.1	1889.9	1894.6	1902.6	1899.4	1893.0
40°	1488.3	1480.3	1477.1	1480.3	1491.5	1486.7	1491.5	1488.3	1488.3	1477.1	1477.1
42.5°	1174.4	1164.8	1158.4	1153.7	1153.7	1142.5	1134.5	1126.6	1121.8	1113.8	1112.2
45°	905.1	893.9	886.0	882.7	878.0	863.7	854.1	844.5	833.4	830.2	831.8
47.5°	702.7	691.6	688.3	680.4	672.4	664.5	658.1	647.0	645.3	639.0	645.3
50°	541.8	538.6	533.8	530.6	525.8	519.5	513.1	506.7	503.5	503.5	505.1
52.5°	420.7	422.3	417.5	412.7	409.5	409.5	401.5	400.0	400.0	393.6	400.0
55°	321.9	320.3	321.9	318.7	318.7	313.9	313.9	309.1	309.1	304.3	307.5
57.5°	235.9	239.0	235.9	237.4	240.6	235.9	234.2	229.4	232.6	229.4	231.1
60°	183.3	183.3	183.3	181.7	181.7	180.0	180.0	178.5	178.5	175.3	178.5
62.5°	135.4	137.0	137.0	137.0	138.7	137.0	135.4	137.0	135.4	135.4	137.0
65°	89.3	90.8	90.8	89.3	92.4	89.3	90.8	92.4	94.0	92.4	94.0
67.5°	60.5	60.5	62.2	63.8	62.2	63.8	65.3	63.8	65.3	68.5	65.3
70°	44.6	46.2	46.2	44.6	43.0	44.6	43.0	47.8	47.8	47.8	51.0
72.5°	28.7	28.7	27.1	27.1	27.1	27.1	27.1	31.9	28.7	27.1	30.3
75°	15.9	17.5	17.5	12.7	14.4	17.5	12.7	14.4	19.2	15.9	19.2
77.5°	9.6	9.6	9.6	9.6	9.6	9.6	12.7	11.1	11.1	11.1	12.7
80°	7.9	6.4	6.4	4.8	6.4	6.4	6.4	9.6	7.9	7.9	9.6
82.5°	3.2	3.2	1.6	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.4
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	3.2	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: P249046

CATALOG NUMBER: LSR8B60D010 EC8B60940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4
2.5°	3260.2	3260.2	3258.6	3255.5	3249.0	3249.0	3247.5	3242.7	3239.5	3237.9	3237.9
5°	3244.2	3237.9	3231.5	3214.0	3214.0	3210.8	3201.3	3194.9	3191.7	3183.7	3180.6
7.5°	3229.9	3210.8	3199.6	3188.5	3174.2	3167.8	3156.6	3151.8	3140.7	3132.7	3128.0
10°	3194.9	3182.1	3167.8	3150.3	3139.1	3126.4	3113.6	3104.1	3089.7	3081.7	3075.4
12.5°	3171.0	3151.8	3139.1	3120.0	3100.9	3089.7	3072.2	3061.1	3046.7	3030.8	3021.2
15°	3148.7	3128.0	3110.4	3089.7	3069.0	3056.3	3035.5	3022.8	3002.1	2986.2	2975.0
17.5°	3115.2	3097.7	3078.6	3053.1	3034.0	3018.0	2995.7	2979.8	2960.6	2939.9	2928.8
20°	3080.1	3059.4	3040.3	3014.8	2995.7	2976.6	2954.3	2936.8	2914.4	2895.3	2882.6
22.5°	3034.0	3010.0	2994.1	2968.6	2946.3	2925.6	2904.9	2884.2	2863.4	2847.5	2833.1
25°	2967.0	2941.5	2924.0	2903.3	2882.6	2866.7	2841.1	2828.4	2807.7	2793.3	2779.0
27.5°	2871.4	2852.3	2836.4	2815.6	2798.1	2785.4	2766.2	2753.5	2735.9	2723.2	2712.1
30°	2731.2	2715.3	2700.9	2680.2	2667.5	2656.3	2638.7	2627.6	2614.9	2600.5	2597.3
32.5°	2543.2	2530.4	2516.1	2501.7	2492.1	2485.8	2471.4	2465.1	2452.3	2444.3	2436.4
35°	2259.5	2248.4	2240.4	2234.1	2230.8	2232.4	2229.3	2235.6	2238.8	2237.2	2238.8
37.5°	1888.3	1881.8	1885.1	1889.9	1905.8	1926.5	1945.6	1974.3	1993.4	2012.6	2030.1
40°	1474.0	1478.7	1491.5	1520.1	1561.6	1607.8	1650.8	1705.0	1759.2	1797.4	1832.5
42.5°	1112.2	1126.6	1158.4	1199.9	1262.0	1330.5	1397.5	1477.1	1542.5	1606.2	1650.8
45°	836.6	855.7	897.1	954.5	1023.0	1102.7	1187.1	1276.3	1354.5	1419.8	1469.2
47.5°	651.7	669.3	710.7	771.2	855.7	938.6	1026.2	1118.6	1199.9	1263.6	1306.6
50°	514.7	537.0	573.6	637.4	721.9	809.5	900.3	991.1	1067.6	1121.8	1160.1
52.5°	404.7	425.5	460.5	527.5	613.5	701.1	785.5	874.8	941.7	994.3	1019.8
55°	313.9	333.1	369.7	425.5	506.7	592.8	677.2	753.7	815.8	854.1	878.0
57.5°	239.0	253.4	278.9	334.6	408.0	487.6	559.3	635.8	683.6	710.7	726.6
60°	181.7	192.8	219.9	262.9	329.8	398.4	458.9	516.3	554.5	576.8	592.8
62.5°	137.0	149.8	168.9	205.6	256.5	312.3	363.3	406.3	438.2	452.6	463.7
65°	94.0	103.6	117.9	146.6	189.6	229.4	269.3	301.2	321.9	337.8	344.2
67.5°	70.1	76.5	84.5	106.8	137.0	168.9	196.0	218.3	240.6	247.0	258.2
70°	52.6	57.4	65.3	81.3	98.8	121.1	143.4	156.2	172.1	183.3	186.5
72.5°	33.4	35.0	43.0	52.6	66.9	81.3	95.6	106.8	116.4	122.7	125.9
75°	19.2	28.7	28.7	38.2	47.8	54.2	63.8	71.7	76.5	81.3	81.3
77.5°	12.7	17.5	19.2	23.9	28.7	36.7	44.6	49.4	54.2	55.7	55.7
80°	11.1	12.7	12.7	17.5	20.7	27.1	31.9	33.4	36.7	38.2	41.5
82.5°	4.8	6.4	7.9	12.7	14.4	14.4	19.2	20.7	23.9	25.5	25.5
85°	1.6	3.2	3.2	4.8	7.9	9.6	11.1	12.7	14.4	14.4	15.9
87.5°	1.6	1.6	0.0	1.6	3.2	3.2	6.4	6.4	6.4	9.6	9.6
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: P249046

CATALOG NUMBER: LSR8B60D010 EC8B60940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4	3263.4
2.5°	3234.7	3236.3	3229.9	3228.4	3225.2	3226.7	3229.9
5°	3175.8	3177.3	3171.0	3164.6	3164.6	3163.0	3164.6
7.5°	3120.0	3121.6	3112.0	3108.8	3102.4	3104.1	3104.1
10°	3064.2	3064.2	3049.9	3048.3	3043.5	3041.9	3041.9
12.5°	3010.0	3005.2	2994.1	2987.7	2990.9	2981.4	2981.4
15°	2962.2	2954.3	2939.9	2935.1	2927.2	2924.0	2924.0
17.5°	2912.8	2906.5	2893.7	2884.2	2874.6	2873.0	2874.6
20°	2865.0	2858.7	2842.7	2836.4	2828.4	2828.4	2825.2
22.5°	2817.2	2810.8	2796.5	2791.8	2780.6	2780.6	2782.2
25°	2767.8	2763.0	2747.1	2743.9	2742.4	2735.9	2739.2
27.5°	2700.9	2697.7	2685.0	2680.2	2673.8	2672.3	2675.4
30°	2578.2	2573.4	2563.9	2559.1	2548.0	2549.5	2552.7
32.5°	2425.2	2418.9	2406.1	2401.3	2391.8	2388.6	2390.2
35°	2234.1	2229.3	2218.1	2218.1	2208.5	2205.3	2208.5
37.5°	2039.7	2044.4	2039.7	2044.4	2039.7	2038.0	2039.7
40°	1856.4	1873.9	1877.1	1894.6	1888.3	1897.8	1896.2
42.5°	1681.1	1709.7	1721.0	1735.3	1732.1	1738.5	1743.3
45°	1504.2	1528.1	1539.3	1548.9	1550.4	1553.6	1555.2
47.5°	1336.9	1356.0	1357.6	1368.8	1367.2	1367.2	1372.0
50°	1180.8	1193.5	1196.7	1204.7	1198.3	1195.1	1196.7
52.5°	1035.8	1048.5	1045.3	1048.5	1040.6	1037.3	1038.9
55°	887.5	893.9	893.9	893.9	884.4	884.4	884.4
57.5°	736.2	737.8	734.6	736.2	734.6	725.0	723.4
60°	597.6	597.6	595.9	597.6	592.8	588.0	588.0
62.5°	466.9	470.1	476.4	470.1	466.9	470.1	465.3
65°	349.0	355.4	353.7	356.9	355.4	355.4	352.1
67.5°	262.9	264.5	266.1	267.7	267.7	267.7	267.7
70°	192.8	197.6	196.0	196.0	196.0	196.0	205.6
72.5°	129.1	135.4	133.9	137.0	137.0	140.2	137.0
75°	87.6	94.0	90.8	95.6	94.0	90.8	98.8
77.5°	59.0	62.2	63.8	65.3	63.8	62.2	63.8
80°	41.5	44.6	43.0	44.6	44.6	44.6	46.2
82.5°	25.5	30.3	28.7	30.3	28.7	30.3	30.3
85°	17.5	19.2	15.9	19.2	17.5	17.5	20.7
87.5°	11.1	9.6	9.6	11.1	9.6	11.1	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)