

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: P244968

Luminaire Tested: **LD8B10D010 ER8B10840 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244968
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: LD8B10D010 ER8B10840 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1123.0 lumens
Efficiency: N/A
Efficacy: 110.1 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

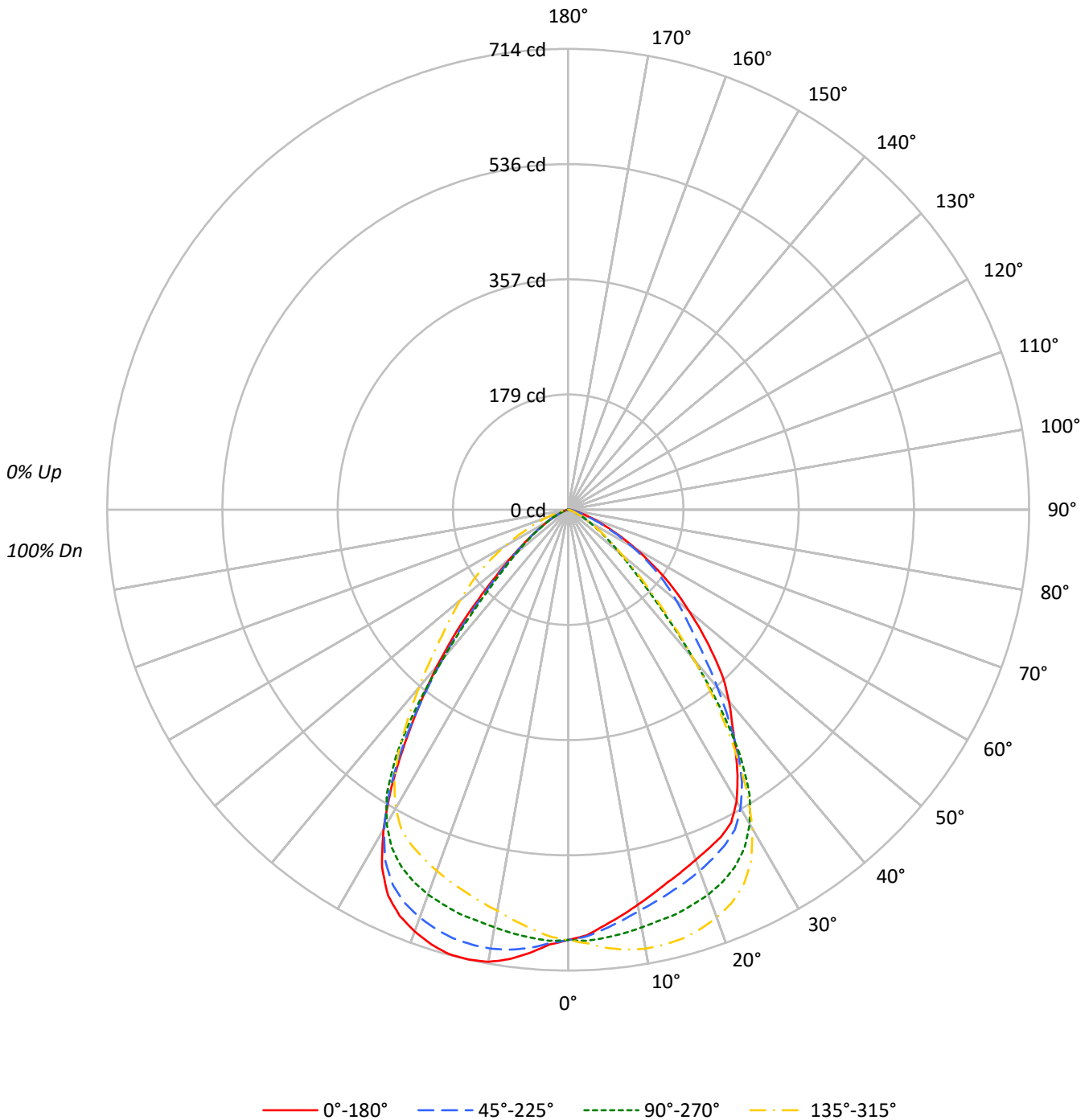
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20559	20559	20559	20559
5°	20012	20606	21343	20606
10°	19457	20578	22272	20578
15°	19068	20703	22759	20703
20°	18941	20821	22816	20821
25°	19040	20779	22453	20779
30°	18569	20018	20378	20018
35°	16985	17463	16567	17463
40°	15594	12149	12684	12149
45°	13855	7409	8574	7409
50°	11729	4951	5498	4951
55°	9715	3376	3570	3376
60°	7407	2251	2270	2251
65°	5246	1401	1284	1401
70°	3787	938	847	938
75°	2407	465	393	465
80°	1669	355	284	355
85°	1486	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	5.7
10°-20°	183.8	16.4
20°-30°	278.2	24.8
30°-40°	278.9	24.8
40°-50°	175.1	15.6
50°-60°	93.3	8.3
60°-70°	38.4	3.4
70°-80°	10.1	0.9
80°-90°	1.7	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°	525.5	46.8
0°-40°	804.3	71.6
0°-60°	1072.8	95.5
0°-90°	1123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	667	667	667	667	667	
5°	646	666	690	666	646	61
15°	597	648	713	648	597	169
25°	560	611	660	611	560	257
35°	451	464	440	464	451	283
45°	318	170	197	170	318	244
55°	181	63	66	63	181	161
65°	72	19	18	19	72	75
75°	20	4	3	4	20	23
85°	4	0	0	0	4	5
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°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	659.9	659.2	658.9	659.5	659.9	661.2	660.8	661.5	661.5	661.8	662.5
5°	646.5	646.2	646.5	646.5	647.8	649.1	648.8	649.8	650.4	652.0	652.7
7.5°	634.1	634.1	633.8	635.1	635.8	637.7	637.4	639.0	640.0	641.6	643.9
10°	621.4	621.4	621.8	622.7	623.1	626.0	626.0	628.3	629.6	631.2	634.1
12.5°	609.1	609.1	611.0	610.4	611.7	614.0	614.9	617.2	619.2	622.4	625.4
15°	597.3	597.3	598.0	599.6	600.6	603.5	605.2	607.8	610.1	613.3	617.5
17.5°	587.3	586.9	587.3	589.2	591.2	593.8	595.1	598.3	600.6	604.8	608.8
20°	577.2	577.8	577.8	579.4	580.7	584.0	585.3	588.9	591.5	595.4	600.0
22.5°	568.4	568.1	568.1	570.3	571.3	574.2	575.5	578.8	581.7	585.0	589.2
25°	559.6	558.9	560.2	560.6	561.2	564.5	565.4	567.7	570.7	573.6	577.8
27.5°	546.6	545.9	546.2	547.5	548.5	551.1	551.8	554.1	556.3	558.9	562.5
30°	521.5	520.9	520.5	522.8	523.8	525.7	526.7	530.6	531.3	534.2	536.8
32.5°	488.3	488.0	488.6	490.6	491.5	494.2	495.5	497.7	499.4	501.0	503.6
35°	451.2	450.5	451.2	453.1	453.1	455.4	456.4	457.4	457.0	457.4	456.7
37.5°	416.7	416.4	416.7	417.7	416.7	417.7	416.7	414.7	411.2	407.2	403.3
40°	387.4	387.7	385.8	387.1	383.5	382.8	379.3	374.4	367.2	359.4	348.3
42.5°	356.1	355.2	353.9	354.5	351.6	349.3	343.4	337.3	328.1	315.1	301.8
45°	317.7	317.4	316.7	316.4	314.5	312.2	307.3	300.1	290.1	276.7	260.7
47.5°	280.3	279.3	279.3	279.6	277.3	277.0	273.1	266.9	258.1	245.1	228.5
50°	244.5	244.1	244.8	246.1	244.5	243.8	241.2	237.0	229.2	218.1	202.5
52.5°	212.2	211.9	212.6	214.2	213.5	214.2	211.6	208.3	203.1	192.4	178.7
55°	180.7	180.7	180.7	182.6	182.6	182.6	181.3	179.4	174.5	166.7	154.0
57.5°	147.8	148.1	150.1	150.4	150.1	150.7	150.4	148.4	145.2	139.7	129.9
60°	120.1	120.1	121.1	122.1	121.7	122.1	122.1	121.1	117.8	113.3	105.5
62.5°	95.1	96.0	95.4	96.0	97.3	96.0	95.4	94.7	92.5	89.5	83.0
65°	71.9	72.6	72.6	72.9	72.3	72.6	71.3	70.3	69.0	65.8	61.5
67.5°	54.7	54.7	54.7	54.7	54.4	54.0	53.7	52.7	50.5	49.2	44.6
70°	42.0	40.0	40.0	40.0	40.0	40.4	39.4	38.1	37.4	35.2	31.9
72.5°	28.0	28.6	28.0	28.0	27.3	27.7	26.4	25.7	25.1	23.8	21.8
75°	20.2	18.6	19.2	19.5	18.6	19.2	17.9	16.6	16.6	15.6	14.6
77.5°	13.0	12.7	13.0	13.3	13.0	12.7	12.0	11.4	11.4	11.1	10.1
80°	9.4	9.1	9.1	9.1	8.8	9.1	8.5	8.5	7.8	7.5	6.8
82.5°	6.2	6.2	5.9	6.2	5.9	6.2	5.2	5.2	5.2	4.9	4.2
85°	4.2	3.6	3.6	3.9	3.3	3.9	3.6	3.3	2.9	2.9	2.6
87.5°	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.0	2.0	1.3	1.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	663.4	663.8	663.8	665.1	665.7	666.0	666.0	668.6	667.7	668.3	669.0
5°	654.0	655.9	656.6	656.6	660.2	661.5	662.8	665.7	666.0	668.0	670.3
7.5°	644.9	647.2	648.5	651.4	653.7	655.9	659.9	661.8	663.8	666.4	669.3
10°	636.1	638.7	641.3	643.6	647.2	650.1	652.7	657.2	659.5	663.1	667.0
12.5°	627.6	631.2	633.5	637.4	641.3	643.9	647.8	652.0	655.6	659.2	663.8
15°	620.1	624.4	627.0	631.2	635.4	639.0	643.3	648.5	651.1	655.3	659.5
17.5°	612.0	616.6	619.8	623.7	628.9	632.8	636.4	641.6	644.9	649.4	654.3
20°	603.5	608.1	612.0	615.9	621.1	625.0	629.3	634.5	638.0	642.6	646.5
22.5°	593.4	597.7	601.9	606.5	611.7	614.9	619.8	624.4	628.3	632.5	636.4
25°	580.4	585.6	588.9	593.1	597.3	600.9	606.1	610.7	614.0	617.9	621.4
27.5°	565.1	569.0	571.6	575.2	579.4	582.7	586.6	591.2	594.4	598.0	600.6
30°	539.1	542.7	544.9	547.5	551.8	554.7	558.0	562.2	564.5	567.1	569.4
32.5°	504.9	507.8	509.1	511.1	514.0	516.9	519.6	523.1	524.1	525.7	525.7
35°	455.4	456.1	455.7	456.4	457.7	459.3	461.6	463.9	465.2	465.2	464.2
37.5°	397.5	393.6	389.3	386.1	385.1	384.4	385.8	386.7	388.0	388.7	387.1
40°	337.3	328.5	319.0	310.6	304.7	302.1	301.1	301.8	301.8	304.0	304.0
42.5°	285.5	271.8	257.8	245.1	236.7	230.2	227.2	227.2	227.5	229.2	230.2
45°	242.5	225.3	209.0	195.0	183.3	174.8	170.9	169.9	169.6	170.2	172.5
47.5°	209.6	191.7	174.8	157.6	145.2	136.7	133.1	131.8	130.5	131.8	132.2
50°	183.9	165.4	147.5	130.2	117.2	109.7	105.1	103.2	102.9	102.9	103.5
52.5°	160.5	143.2	125.3	107.8	94.1	86.9	82.7	81.7	80.4	81.7	81.7
55°	138.3	121.1	103.5	86.9	75.5	68.0	64.1	62.8	62.2	63.2	63.2
57.5°	114.3	99.6	83.3	68.4	57.0	51.8	48.8	47.2	46.9	47.5	46.9
60°	93.8	81.4	67.4	53.7	44.9	39.4	37.1	36.5	35.8	36.5	36.5
62.5°	74.2	63.8	52.4	42.0	34.5	30.6	28.0	28.0	27.7	27.7	28.0
65°	55.0	46.9	38.7	29.9	24.1	21.2	19.2	19.2	18.9	19.2	18.9
67.5°	40.0	34.5	28.0	21.8	17.3	15.6	14.3	13.3	14.0	13.3	13.0
70°	29.3	24.7	20.2	16.6	13.3	11.7	10.7	10.4	9.8	9.8	9.8
72.5°	19.5	16.6	13.7	10.7	8.8	7.2	6.8	6.2	5.5	5.9	6.5
75°	13.0	11.1	9.8	7.8	5.9	5.9	3.9	3.9	3.3	3.9	2.9
77.5°	9.1	7.5	5.9	4.9	3.9	3.6	2.6	2.6	2.3	2.3	2.3
80°	6.5	5.5	4.2	3.6	2.6	2.6	2.3	2.0	1.6	1.6	2.0
82.5°	3.9	2.9	2.9	2.6	1.6	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.6	1.0	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	0.7	0.7	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	670.6	670.3	670.9	670.9	672.9	672.5	673.5	673.5	672.9	673.2	674.5
5°	672.9	673.9	675.8	677.4	680.4	681.7	683.3	684.9	685.2	686.2	687.2
7.5°	672.9	676.1	678.4	681.3	685.2	687.5	691.1	694.0	695.3	697.0	698.9
10°	671.6	674.8	679.1	682.3	687.2	690.8	694.4	698.9	700.9	703.5	706.1
12.5°	669.0	672.5	677.1	681.3	686.9	690.1	694.7	698.9	701.8	705.4	708.4
15°	665.1	669.3	673.5	677.8	683.6	687.5	691.8	696.6	699.6	703.5	706.1
17.5°	658.9	663.4	667.3	671.2	676.8	681.3	685.2	689.8	692.7	696.0	699.6
20°	651.4	655.6	659.9	663.1	668.6	672.5	676.8	681.0	683.3	683.9	689.5
22.5°	642.0	644.9	648.1	653.3	656.6	660.2	664.1	668.0	670.3	673.9	675.8
25°	626.3	629.3	632.8	635.1	639.0	642.0	645.9	650.1	651.4	654.0	655.9
27.5°	604.5	606.1	607.8	609.7	612.0	613.6	615.9	617.9	619.2	620.5	621.8
30°	570.0	570.0	570.0	568.7	569.7	570.7	571.0	570.7	570.7	570.3	570.3
32.5°	524.4	521.8	518.9	516.3	515.3	514.0	513.4	512.4	510.8	509.8	510.1
35°	462.9	457.0	453.5	450.2	447.6	445.7	444.7	443.7	443.4	442.1	440.8
37.5°	386.1	381.8	379.3	377.3	375.0	373.1	373.4	373.7	374.7	374.0	374.4
40°	304.7	303.7	304.7	302.4	301.8	302.4	304.0	306.3	307.6	308.9	311.2
42.5°	231.8	233.4	235.7	235.7	236.7	238.0	239.9	243.5	245.4	247.7	250.3
45°	174.5	176.4	179.4	180.3	181.0	182.6	184.9	187.8	189.1	191.1	193.4
47.5°	134.4	135.7	137.4	139.0	140.6	141.3	143.6	143.6	145.2	146.5	147.1
50°	104.8	106.1	107.4	108.4	109.1	110.0	110.7	111.7	112.0	112.6	113.0
52.5°	82.0	83.7	83.7	84.3	85.3	86.3	85.9	86.3	86.6	86.6	87.6
55°	64.1	64.1	65.1	65.1	65.8	65.4	65.8	65.8	65.8	65.8	66.1
57.5°	47.8	48.2	49.2	48.5	48.2	48.8	48.2	48.8	48.5	49.2	48.2
60°	36.8	36.8	37.1	37.1	37.4	37.4	37.4	37.1	37.1	36.8	36.8
62.5°	27.7	28.0	28.3	28.0	28.0	28.0	27.7	27.7	27.3	27.0	27.0
65°	18.6	18.2	18.9	18.2	18.6	18.6	18.2	18.6	17.6	17.9	17.6
67.5°	13.3	13.0	12.7	13.0	12.7	12.4	12.4	12.7	13.0	12.0	12.0
70°	8.8	9.1	8.8	9.1	9.4	9.4	9.1	8.8	9.1	8.5	8.8
72.5°	5.5	5.5	5.5	5.5	5.5	5.9	5.9	5.9	5.2	5.2	4.9
75°	2.6	3.6	2.9	2.6	3.6	3.6	3.3	3.3	2.9	2.9	2.9
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.6	2.0	1.6
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.6	1.3	1.3	1.0	1.6
82.5°	0.7	0.7	0.7	0.0	0.3	0.7	0.7	0.3	0.7	0.7	0.3
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



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CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	674.2	673.9	674.2	674.5	674.2	673.9	674.2	674.5	673.2	672.9	673.5
5°	688.5	688.5	689.1	689.5	689.1	688.5	688.5	687.2	686.2	685.2	684.9
7.5°	700.9	701.5	702.2	702.5	702.2	701.5	700.9	698.9	697.0	695.3	694.0
10°	708.4	709.3	710.6	711.3	710.6	709.3	708.4	706.1	703.5	700.9	698.9
12.5°	711.6	712.6	714.2	713.9	714.2	712.6	711.6	708.4	705.4	701.8	698.9
15°	709.3	710.6	712.3	712.9	712.3	710.6	709.3	706.1	703.5	699.6	696.6
17.5°	702.2	704.1	705.1	706.1	705.1	704.1	702.2	699.6	696.0	692.7	689.8
20°	692.4	693.7	695.0	695.3	695.0	693.7	692.4	689.5	683.9	683.3	681.0
22.5°	678.4	679.4	682.3	681.3	682.3	679.4	678.4	675.8	673.9	670.3	668.0
25°	658.2	659.2	659.5	659.9	659.5	659.2	658.2	655.9	654.0	651.4	650.1
27.5°	623.4	623.4	624.0	624.4	624.0	623.4	623.4	621.8	620.5	619.2	617.9
30°	570.7	570.7	570.7	572.3	570.7	570.7	570.7	570.3	570.3	570.7	570.7
32.5°	509.8	509.1	508.5	509.1	508.5	509.1	509.8	510.1	509.8	510.8	512.4
35°	440.8	440.4	441.4	440.1	441.4	440.4	440.8	440.8	442.1	443.4	443.7
37.5°	374.7	374.0	375.3	374.0	375.3	374.0	374.7	374.4	374.0	374.7	373.7
40°	311.9	312.5	312.5	315.1	312.5	312.5	311.9	311.2	308.9	307.6	306.3
42.5°	251.6	253.6	252.9	254.9	252.9	253.6	251.6	250.3	247.7	245.4	243.5
45°	194.7	196.0	196.0	196.6	196.0	196.0	194.7	193.4	191.1	189.1	187.8
47.5°	149.4	149.4	149.4	149.7	149.4	149.4	149.4	147.1	146.5	145.2	143.6
50°	113.6	113.9	114.3	114.6	114.3	113.9	113.6	113.0	112.6	112.0	111.7
52.5°	87.2	87.6	86.9	87.6	86.9	87.6	87.2	87.6	86.6	86.6	86.3
55°	66.1	65.8	66.1	66.4	66.1	65.8	66.1	66.1	65.8	65.8	65.8
57.5°	48.5	47.8	47.8	47.8	47.8	47.8	48.5	48.2	49.2	48.5	48.8
60°	36.1	36.5	36.5	36.8	36.5	36.5	36.1	36.8	36.8	37.1	37.1
62.5°	26.7	27.7	27.0	27.7	27.0	27.7	26.7	27.0	27.0	27.3	27.7
65°	17.3	17.3	17.3	17.6	17.3	17.3	17.3	17.6	17.9	17.6	18.6
67.5°	11.7	12.0	12.7	12.4	12.7	12.0	11.7	12.0	12.0	13.0	12.7
70°	9.4	8.5	8.5	9.4	8.5	8.5	9.4	8.8	8.5	9.1	8.8
72.5°	5.5	4.9	5.5	5.5	5.5	4.9	5.5	4.9	5.2	5.2	5.9
75°	2.9	2.6	2.3	3.3	2.3	2.6	2.9	2.9	2.9	2.9	3.3
77.5°	2.0	1.6	2.3	2.3	2.3	1.6	2.0	1.6	2.0	1.6	2.0
80°	1.0	1.3	1.0	1.6	1.0	1.3	1.0	1.6	1.0	1.3	1.3
82.5°	0.3	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.7	0.7	0.3
85°	0.0	0.7	0.3	0.3	0.3	0.7	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.3	0.0	0.0	0.3	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: P244968

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	673.5	672.5	672.9	670.9	670.9	670.3	670.6	669.0	668.3	667.7	668.6
5°	683.3	681.7	680.4	677.4	675.8	673.9	672.9	670.3	668.0	666.0	665.7
7.5°	691.1	687.5	685.2	681.3	678.4	676.1	672.9	669.3	666.4	663.8	661.8
10°	694.4	690.8	687.2	682.3	679.1	674.8	671.6	667.0	663.1	659.5	657.2
12.5°	694.7	690.1	686.9	681.3	677.1	672.5	669.0	663.8	659.2	655.6	652.0
15°	691.8	687.5	683.6	677.8	673.5	669.3	665.1	659.5	655.3	651.1	648.5
17.5°	685.2	681.3	676.8	671.2	667.3	663.4	658.9	654.3	649.4	644.9	641.6
20°	676.8	672.5	668.6	663.1	659.9	655.6	651.4	646.5	642.6	638.0	634.5
22.5°	664.1	660.2	656.6	653.3	648.1	644.9	642.0	636.4	632.5	628.3	624.4
25°	645.9	642.0	639.0	635.1	632.8	629.3	626.3	621.4	617.9	614.0	610.7
27.5°	615.9	613.6	612.0	609.7	607.8	606.1	604.5	600.6	598.0	594.4	591.2
30°	571.0	570.7	569.7	568.7	570.0	570.0	570.0	569.4	567.1	564.5	562.2
32.5°	513.4	514.0	515.3	516.3	518.9	521.8	524.4	525.7	525.7	524.1	523.1
35°	444.7	445.7	447.6	450.2	453.5	457.0	462.9	464.2	465.2	465.2	463.9
37.5°	373.4	373.1	375.0	377.3	379.3	381.8	386.1	387.1	388.7	388.0	386.7
40°	304.0	302.4	301.8	302.4	304.7	303.7	304.7	304.0	304.0	301.8	301.8
42.5°	239.9	238.0	236.7	235.7	235.7	233.4	231.8	230.2	229.2	227.5	227.2
45°	184.9	182.6	181.0	180.3	179.4	176.4	174.5	172.5	170.2	169.6	169.9
47.5°	143.6	141.3	140.6	139.0	137.4	135.7	134.4	132.2	131.8	130.5	131.8
50°	110.7	110.0	109.1	108.4	107.4	106.1	104.8	103.5	102.9	102.9	103.2
52.5°	85.9	86.3	85.3	84.3	83.7	83.7	82.0	81.7	81.7	80.4	81.7
55°	65.8	65.4	65.8	65.1	65.1	64.1	64.1	63.2	63.2	62.2	62.8
57.5°	48.2	48.8	48.2	48.5	49.2	48.2	47.8	46.9	47.5	46.9	47.2
60°	37.4	37.4	37.4	37.1	37.1	36.8	36.8	36.5	36.5	35.8	36.5
62.5°	27.7	28.0	28.0	28.0	28.3	28.0	27.7	28.0	27.7	27.7	28.0
65°	18.2	18.6	18.6	18.2	18.9	18.2	18.6	18.9	19.2	18.9	19.2
67.5°	12.4	12.4	12.7	13.0	12.7	13.0	13.3	13.0	13.3	14.0	13.3
70°	9.1	9.4	9.4	9.1	8.8	9.1	8.8	9.8	9.8	9.8	10.4
72.5°	5.9	5.9	5.5	5.5	5.5	5.5	5.5	6.5	5.9	5.5	6.2
75°	3.3	3.6	3.6	2.6	2.9	3.6	2.6	2.9	3.9	3.3	3.9
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.3	2.3	2.3	2.6
80°	1.6	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.6	1.6	2.0
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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: P244968

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	666.0	666.0	665.7	665.1	663.8	663.8	663.4	662.5	661.8	661.5	661.5
5°	662.8	661.5	660.2	656.6	656.6	655.9	654.0	652.7	652.0	650.4	649.8
7.5°	659.9	655.9	653.7	651.4	648.5	647.2	644.9	643.9	641.6	640.0	639.0
10°	652.7	650.1	647.2	643.6	641.3	638.7	636.1	634.1	631.2	629.6	628.3
12.5°	647.8	643.9	641.3	637.4	633.5	631.2	627.6	625.4	622.4	619.2	617.2
15°	643.3	639.0	635.4	631.2	627.0	624.4	620.1	617.5	613.3	610.1	607.8
17.5°	636.4	632.8	628.9	623.7	619.8	616.6	612.0	608.8	604.8	600.6	598.3
20°	629.3	625.0	621.1	615.9	612.0	608.1	603.5	600.0	595.4	591.5	588.9
22.5°	619.8	614.9	611.7	606.5	601.9	597.7	593.4	589.2	585.0	581.7	578.8
25°	606.1	600.9	597.3	593.1	588.9	585.6	580.4	577.8	573.6	570.7	567.7
27.5°	586.6	582.7	579.4	575.2	571.6	569.0	565.1	562.5	558.9	556.3	554.1
30°	558.0	554.7	551.8	547.5	544.9	542.7	539.1	536.8	534.2	531.3	530.6
32.5°	519.6	516.9	514.0	511.1	509.1	507.8	504.9	503.6	501.0	499.4	497.7
35°	461.6	459.3	457.7	456.4	455.7	456.1	455.4	456.7	457.4	457.0	457.4
37.5°	385.8	384.4	385.1	386.1	389.3	393.6	397.5	403.3	407.2	411.2	414.7
40°	301.1	302.1	304.7	310.6	319.0	328.5	337.3	348.3	359.4	367.2	374.4
42.5°	227.2	230.2	236.7	245.1	257.8	271.8	285.5	301.8	315.1	328.1	337.3
45°	170.9	174.8	183.3	195.0	209.0	225.3	242.5	260.7	276.7	290.1	300.1
47.5°	133.1	136.7	145.2	157.6	174.8	191.7	209.6	228.5	245.1	258.1	266.9
50°	105.1	109.7	117.2	130.2	147.5	165.4	183.9	202.5	218.1	229.2	237.0
52.5°	82.7	86.9	94.1	107.8	125.3	143.2	160.5	178.7	192.4	203.1	208.3
55°	64.1	68.0	75.5	86.9	103.5	121.1	138.3	154.0	166.7	174.5	179.4
57.5°	48.8	51.8	57.0	68.4	83.3	99.6	114.3	129.9	139.7	145.2	148.4
60°	37.1	39.4	44.9	53.7	67.4	81.4	93.8	105.5	113.3	117.8	121.1
62.5°	28.0	30.6	34.5	42.0	52.4	63.8	74.2	83.0	89.5	92.5	94.7
65°	19.2	21.2	24.1	29.9	38.7	46.9	55.0	61.5	65.8	69.0	70.3
67.5°	14.3	15.6	17.3	21.8	28.0	34.5	40.0	44.6	49.2	50.5	52.7
70°	10.7	11.7	13.3	16.6	20.2	24.7	29.3	31.9	35.2	37.4	38.1
72.5°	6.8	7.2	8.8	10.7	13.7	16.6	19.5	21.8	23.8	25.1	25.7
75°	3.9	5.9	5.9	7.8	9.8	11.1	13.0	14.6	15.6	16.6	16.6
77.5°	2.6	3.6	3.9	4.9	5.9	7.5	9.1	10.1	11.1	11.4	11.4
80°	2.3	2.6	2.6	3.6	4.2	5.5	6.5	6.8	7.5	7.8	8.5
82.5°	1.0	1.3	1.6	2.6	2.9	2.9	3.9	4.2	4.9	5.2	5.2
85°	0.3	0.7	0.7	1.0	1.6	2.0	2.3	2.6	2.9	2.9	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0
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: P244968

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	666.7	666.7	666.7	666.7	666.7	666.7	666.7
2.5°	660.8	661.2	659.9	659.5	658.9	659.2	659.9
5°	648.8	649.1	647.8	646.5	646.5	646.2	646.5
7.5°	637.4	637.7	635.8	635.1	633.8	634.1	634.1
10°	626.0	626.0	623.1	622.7	621.8	621.4	621.4
12.5°	614.9	614.0	611.7	610.4	611.0	609.1	609.1
15°	605.2	603.5	600.6	599.6	598.0	597.3	597.3
17.5°	595.1	593.8	591.2	589.2	587.3	586.9	587.3
20°	585.3	584.0	580.7	579.4	577.8	577.8	577.2
22.5°	575.5	574.2	571.3	570.3	568.1	568.1	568.4
25°	565.4	564.5	561.2	560.6	560.2	558.9	559.6
27.5°	551.8	551.1	548.5	547.5	546.2	545.9	546.6
30°	526.7	525.7	523.8	522.8	520.5	520.9	521.5
32.5°	495.5	494.2	491.5	490.6	488.6	488.0	488.3
35°	456.4	455.4	453.1	453.1	451.2	450.5	451.2
37.5°	416.7	417.7	416.7	417.7	416.7	416.4	416.7
40°	379.3	382.8	383.5	387.1	385.8	387.7	387.4
42.5°	343.4	349.3	351.6	354.5	353.9	355.2	356.1
45°	307.3	312.2	314.5	316.4	316.7	317.4	317.7
47.5°	273.1	277.0	277.3	279.6	279.3	279.3	280.3
50°	241.2	243.8	244.5	246.1	244.8	244.1	244.5
52.5°	211.6	214.2	213.5	214.2	212.6	211.9	212.2
55°	181.3	182.6	182.6	182.6	180.7	180.7	180.7
57.5°	150.4	150.7	150.1	150.4	150.1	148.1	147.8
60°	122.1	122.1	121.7	122.1	121.1	120.1	120.1
62.5°	95.4	96.0	97.3	96.0	95.4	96.0	95.1
65°	71.3	72.6	72.3	72.9	72.6	72.6	71.9
67.5°	53.7	54.0	54.4	54.7	54.7	54.7	54.7
70°	39.4	40.4	40.0	40.0	40.0	40.0	42.0
72.5°	26.4	27.7	27.3	28.0	28.0	28.6	28.0
75°	17.9	19.2	18.6	19.5	19.2	18.6	20.2
77.5°	12.0	12.7	13.0	13.3	13.0	12.7	13.0
80°	8.5	9.1	8.8	9.1	9.1	9.1	9.4
82.5°	5.2	6.2	5.9	6.2	5.9	6.2	6.2
85°	3.6	3.9	3.3	3.9	3.6	3.6	4.2
87.5°	2.3	2.0	2.0	2.3	2.0	2.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)