

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: P244956

Luminaire Tested: **LD8B10D010 ER8B10830 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244956
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 ER8B10830 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1087.0 lumens
Efficiency: N/A
Efficacy: 106.6 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

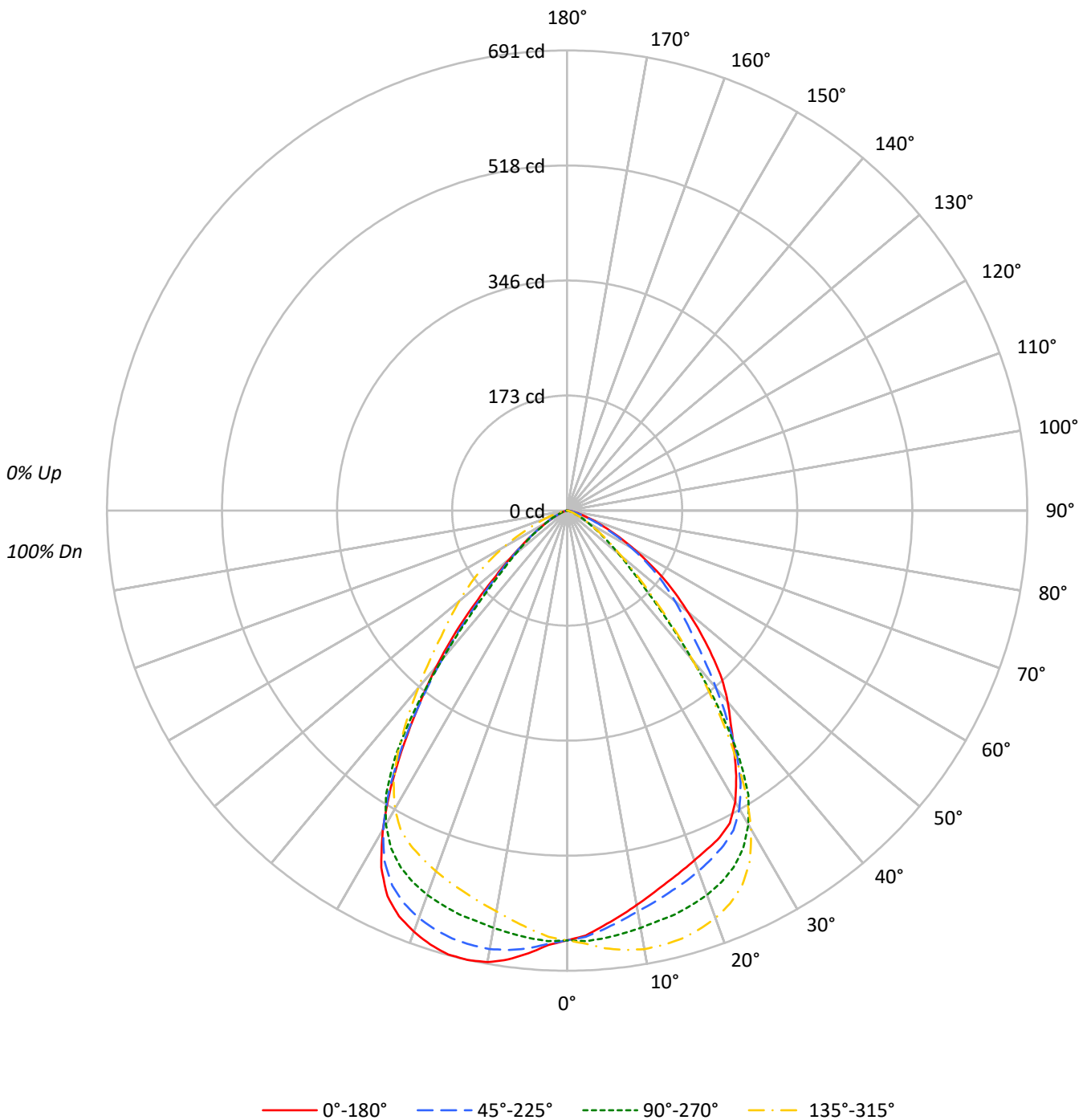
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	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°	19899	19899	19899	19899
5°	19371	19947	20659	19947
10°	18834	19921	21558	19921
15°	18459	20039	22031	20039
20°	18334	20152	22085	20152
25°	18431	20112	21731	20112
30°	17974	19377	19723	19377
35°	16439	16902	16036	16902
40°	15095	11758	12277	11758
45°	13410	7174	8299	7174
50°	11350	4792	5320	4792
55°	9403	3269	3457	3269
60°	7173	2177	2196	2177
65°	5078	1357	1240	1357
70°	3660	911	820	911
75°	2323	453	381	453
80°	1616	337	284	337
85°	1451	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	5.7
10°-20°	177.9	16.4
20°-30°	269.3	24.8
30°-40°	269.9	24.8
40°-50°	169.5	15.6
50°-60°	90.3	8.3
60°-70°	37.1	3.4
70°-80°	9.8	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°	508.6	46.8
0°-40°	778.5	71.6
0°-60°	1038.4	95.5
0°-90°	1087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1087.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	645	645	645	645	645	
5°	626	644	667	644	626	59
15°	578	628	690	628	578	164
25°	542	591	639	591	542	248
35°	437	449	426	449	437	274
45°	308	164	190	164	308	237
55°	175	61	64	61	175	156
65°	70	19	17	19	70	72
75°	20	4	3	4	20	22
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°	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3
2.5°	638.7	638.1	637.8	638.4	638.7	640.0	639.6	640.3	640.3	640.6	641.2
5°	625.8	625.5	625.8	625.8	627.0	628.3	628.0	628.9	629.6	631.1	631.8
7.5°	613.8	613.8	613.5	614.7	615.4	617.3	617.0	618.5	619.5	621.1	623.3
10°	601.5	601.5	601.8	602.8	603.1	605.9	605.9	608.1	609.4	611.0	613.8
12.5°	589.5	589.5	591.4	590.8	592.1	594.3	595.2	597.4	599.3	602.5	605.3
15°	578.2	578.2	578.8	580.4	581.4	584.2	585.8	588.3	590.5	593.6	597.7
17.5°	568.4	568.1	568.4	570.3	572.2	574.7	576.0	579.1	581.4	585.4	589.2
20°	558.7	559.3	559.3	560.9	562.1	565.3	566.5	570.0	572.5	576.3	580.7
22.5°	550.2	549.8	549.8	552.1	553.0	555.8	557.1	560.2	563.1	566.2	570.3
25°	541.7	541.0	542.3	542.6	543.2	546.4	547.3	549.5	552.4	555.2	559.3
27.5°	529.0	528.4	528.7	530.0	530.9	533.5	534.1	536.3	538.5	541.0	544.5
30°	504.8	504.2	503.8	506.0	507.0	508.9	509.8	513.6	514.2	517.1	519.6
32.5°	472.6	472.3	473.0	474.8	475.8	478.3	479.6	481.8	483.4	484.9	487.5
35°	436.7	436.1	436.7	438.6	438.6	440.8	441.8	442.7	442.4	442.7	442.1
37.5°	403.3	403.0	403.3	404.3	403.3	404.3	403.3	401.4	398.0	394.2	390.4
40°	375.0	375.3	373.4	374.7	371.2	370.6	367.1	362.4	355.4	347.9	337.2
42.5°	344.7	343.8	342.5	343.1	340.3	338.1	332.4	326.4	317.6	305.0	292.1
45°	307.5	307.2	306.6	306.3	304.4	302.2	297.4	290.5	280.8	267.8	252.4
47.5°	271.3	270.4	270.4	270.7	268.5	268.1	264.4	258.4	249.9	237.3	221.2
50°	236.6	236.3	237.0	238.2	236.6	236.0	233.5	229.4	221.8	211.1	196.0
52.5°	205.4	205.1	205.8	207.3	206.7	207.3	204.8	201.7	196.6	186.2	173.0
55°	174.9	174.9	174.9	176.8	176.8	176.8	175.5	173.6	168.9	161.3	149.0
57.5°	143.1	143.4	145.3	145.6	145.3	145.9	145.6	143.7	140.5	135.2	125.7
60°	116.3	116.3	117.2	118.2	117.8	118.2	118.2	117.2	114.1	109.7	102.1
62.5°	92.0	93.0	92.3	93.0	94.2	93.0	92.3	91.7	89.5	86.7	80.3
65°	69.6	70.3	70.3	70.6	69.9	70.3	69.0	68.1	66.8	63.7	59.6
67.5°	52.9	52.9	52.9	52.9	52.6	52.3	52.0	51.0	48.8	47.6	43.2
70°	40.6	38.8	38.8	38.8	38.8	39.1	38.1	36.9	36.2	34.0	30.9
72.5°	27.1	27.7	27.1	27.1	26.5	26.8	25.5	24.9	24.3	23.0	21.1
75°	19.5	18.0	18.6	18.9	18.0	18.6	17.3	16.1	16.1	15.1	14.2
77.5°	12.6	12.3	12.6	12.9	12.6	12.3	11.7	11.0	11.0	10.7	9.8
80°	9.1	8.8	8.8	8.8	8.5	8.8	8.2	8.2	7.6	7.3	6.6
82.5°	6.0	6.0	5.7	6.0	5.7	6.0	5.0	5.0	5.0	4.7	4.1
85°	4.1	3.5	3.5	3.8	3.2	3.8	3.5	3.2	2.8	2.8	2.5
87.5°	1.9	2.2	1.9	2.2	1.9	1.9	2.2	1.9	1.9	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°	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3
2.5°	642.2	642.5	642.5	643.7	644.4	644.7	644.7	647.2	646.3	646.9	647.5
5°	633.0	634.9	635.6	635.6	639.0	640.3	641.5	644.4	644.7	646.6	648.8
7.5°	624.2	626.4	627.7	630.5	632.7	634.9	638.7	640.6	642.5	645.0	647.8
10°	615.7	618.2	620.7	622.9	626.4	629.2	631.8	636.2	638.4	641.9	645.6
12.5°	607.5	611.0	613.2	617.0	620.7	623.3	627.0	631.1	634.6	638.1	642.5
15°	600.3	604.4	606.9	611.0	615.1	618.5	622.6	627.7	630.2	634.3	638.4
17.5°	592.4	596.8	599.9	603.7	608.8	612.5	616.0	621.1	624.2	628.6	633.3
20°	584.2	588.6	592.4	596.2	601.2	605.0	609.1	614.1	617.6	622.0	625.8
22.5°	574.4	578.5	582.6	587.0	592.1	595.2	599.9	604.4	608.1	612.2	616.0
25°	561.8	566.9	570.0	574.1	578.2	581.7	586.7	591.1	594.3	598.1	601.5
27.5°	547.0	550.8	553.3	556.8	560.9	564.0	567.8	572.2	575.4	578.8	581.4
30°	521.8	525.3	527.5	530.0	534.1	536.9	540.1	544.2	546.4	548.9	551.1
32.5°	488.7	491.5	492.8	494.7	497.5	500.4	502.9	506.4	507.3	508.9	508.9
35°	440.8	441.4	441.1	441.8	443.0	444.6	446.8	449.0	450.3	450.3	449.3
37.5°	384.7	381.0	376.9	373.7	372.8	372.1	373.4	374.3	375.6	376.2	374.7
40°	326.4	317.9	308.8	300.6	294.9	292.4	291.5	292.1	292.1	294.3	294.3
42.5°	276.3	263.1	249.6	237.3	229.1	222.8	219.9	219.9	220.3	221.8	222.8
45°	234.8	218.0	202.3	188.7	177.4	169.2	165.4	164.5	164.2	164.8	167.0
47.5°	202.9	185.6	169.2	152.5	140.5	132.3	128.9	127.6	126.4	127.6	127.9
50°	178.0	160.1	142.7	126.0	113.4	106.2	101.8	99.9	99.6	99.6	100.2
52.5°	155.3	138.6	121.3	104.3	91.1	84.1	80.0	79.1	77.8	79.1	79.1
55°	133.9	117.2	100.2	84.1	73.1	65.9	62.1	60.8	60.2	61.1	61.1
57.5°	110.6	96.4	80.7	66.2	55.1	50.1	47.3	45.7	45.4	46.0	45.4
60°	90.7	78.8	65.2	52.0	43.5	38.1	35.9	35.3	34.7	35.3	35.3
62.5°	71.8	61.8	50.7	40.6	33.4	29.6	27.1	27.1	26.8	26.8	27.1
65°	53.3	45.4	37.5	29.0	23.3	20.5	18.6	18.6	18.3	18.6	18.3
67.5°	38.8	33.4	27.1	21.1	16.7	15.1	13.9	12.9	13.6	12.9	12.6
70°	28.4	23.9	19.5	16.1	12.9	11.3	10.4	10.1	9.5	9.5	9.5
72.5°	18.9	16.1	13.2	10.4	8.5	6.9	6.6	6.0	5.4	5.7	6.3
75°	12.6	10.7	9.5	7.6	5.7	5.7	3.8	3.8	3.2	3.8	2.8
77.5°	8.8	7.3	5.7	4.7	3.8	3.5	2.5	2.5	2.2	2.2	2.2
80°	6.3	5.4	4.1	3.5	2.5	2.5	2.2	1.9	1.6	1.6	1.9
82.5°	3.8	2.8	2.8	2.5	1.6	1.3	0.9	1.3	0.6	0.6	0.6
85°	2.2	1.9	1.6	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	0.6	0.6	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3
2.5°	649.1	648.8	649.4	649.4	651.3	651.0	651.9	651.9	651.3	651.6	652.9
5°	651.3	652.3	654.1	655.7	658.5	659.8	661.4	663.0	663.3	664.2	665.2
7.5°	651.3	654.5	656.7	659.5	663.3	665.5	668.9	671.8	673.0	674.6	676.5
10°	650.0	653.2	657.3	660.4	665.2	668.6	672.1	676.5	678.4	680.9	683.4
12.5°	647.5	651.0	655.4	659.5	664.8	668.0	672.4	676.5	679.3	682.8	685.7
15°	643.7	647.8	651.9	656.0	661.7	665.5	669.6	674.3	677.1	680.9	683.4
17.5°	637.8	642.2	646.0	649.7	655.1	659.5	663.3	667.7	670.5	673.7	677.1
20°	630.5	634.6	638.7	641.9	647.2	651.0	655.1	659.2	661.4	662.0	667.4
22.5°	621.4	624.2	627.4	632.4	635.6	639.0	642.8	646.6	648.8	652.3	654.1
25°	606.2	609.1	612.5	614.7	618.5	621.4	625.1	629.2	630.5	633.0	634.9
27.5°	585.1	586.7	588.3	590.2	592.4	594.0	596.2	598.1	599.3	600.6	601.8
30°	551.7	551.7	551.7	550.5	551.4	552.4	552.7	552.4	552.4	552.1	552.1
32.5°	507.6	505.1	502.3	499.7	498.8	497.5	496.9	496.0	494.4	493.4	493.8
35°	448.1	442.4	438.9	435.8	433.3	431.4	430.4	429.5	429.2	427.9	426.6
37.5°	373.7	369.6	367.1	365.2	363.0	361.1	361.4	361.7	362.7	362.0	362.4
40°	294.9	294.0	294.9	292.7	292.1	292.7	294.3	296.5	297.8	299.0	301.2
42.5°	224.3	225.9	228.1	228.1	229.1	230.3	232.2	235.7	237.6	239.8	242.3
45°	168.9	170.8	173.6	174.6	175.2	176.8	179.0	181.8	183.1	185.0	187.2
47.5°	130.1	131.4	133.0	134.5	136.1	136.8	139.0	139.0	140.5	141.8	142.4
50°	101.5	102.7	104.0	104.9	105.6	106.5	107.1	108.1	108.4	109.0	109.3
52.5°	79.4	81.0	81.0	81.6	82.6	83.5	83.2	83.5	83.8	83.8	84.8
55°	62.1	62.1	63.0	63.0	63.7	63.3	63.7	63.7	63.7	63.7	64.0
57.5°	46.3	46.6	47.6	47.0	46.6	47.3	46.6	47.3	47.0	47.6	46.6
60°	35.6	35.6	35.9	35.9	36.2	36.2	36.2	35.9	35.9	35.6	35.6
62.5°	26.8	27.1	27.4	27.1	27.1	27.1	26.8	26.8	26.5	26.1	26.1
65°	18.0	17.7	18.3	17.7	18.0	18.0	17.7	18.0	17.0	17.3	17.0
67.5°	12.9	12.6	12.3	12.6	12.3	12.0	12.0	12.3	12.6	11.7	11.7
70°	8.5	8.8	8.5	8.8	9.1	9.1	8.8	8.5	8.8	8.2	8.5
72.5°	5.4	5.4	5.4	5.4	5.4	5.7	5.7	5.7	5.0	5.0	4.7
75°	2.5	3.5	2.8	2.5	3.5	3.5	3.2	3.2	2.8	2.8	2.8
77.5°	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.9	1.6
80°	1.3	1.3	1.3	0.9	1.3	1.3	1.6	1.3	1.3	0.9	1.6
82.5°	0.6	0.6	0.6	0.0	0.3	0.6	0.6	0.3	0.6	0.6	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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3
2.5°	652.6	652.3	652.6	652.9	652.6	652.3	652.6	652.9	651.6	651.3	651.9
5°	666.4	666.4	667.1	667.4	667.1	666.4	666.4	665.2	664.2	663.3	663.0
7.5°	678.4	679.0	679.7	680.0	679.7	679.0	678.4	676.5	674.6	673.0	671.8
10°	685.7	686.6	687.9	688.5	687.9	686.6	685.7	683.4	680.9	678.4	676.5
12.5°	688.8	689.8	691.3	691.0	691.3	689.8	688.8	685.7	682.8	679.3	676.5
15°	686.6	687.9	689.4	690.1	689.4	687.9	686.6	683.4	680.9	677.1	674.3
17.5°	679.7	681.6	682.5	683.4	682.5	681.6	679.7	677.1	673.7	670.5	667.7
20°	670.2	671.5	672.7	673.0	672.7	671.5	670.2	667.4	662.0	661.4	659.2
22.5°	656.7	657.6	660.4	659.5	660.4	657.6	656.7	654.1	652.3	648.8	646.6
25°	637.1	638.1	638.4	638.7	638.4	638.1	637.1	634.9	633.0	630.5	629.2
27.5°	603.4	603.4	604.0	604.4	604.0	603.4	603.4	601.8	600.6	599.3	598.1
30°	552.4	552.4	552.4	553.9	552.4	552.4	552.4	552.1	552.1	552.4	552.4
32.5°	493.4	492.8	492.2	492.8	492.2	492.8	493.4	493.8	493.4	494.4	496.0
35°	426.6	426.3	427.3	426.0	427.3	426.3	426.6	426.6	427.9	429.2	429.5
37.5°	362.7	362.0	363.3	362.0	363.3	362.0	362.7	362.4	362.0	362.7	361.7
40°	301.9	302.5	302.5	305.0	302.5	302.5	301.9	301.2	299.0	297.8	296.5
42.5°	243.6	245.5	244.8	246.7	244.8	245.5	243.6	242.3	239.8	237.6	235.7
45°	188.4	189.7	189.7	190.3	189.7	189.7	188.4	187.2	185.0	183.1	181.8
47.5°	144.6	144.6	144.6	144.9	144.6	144.6	144.6	142.4	141.8	140.5	139.0
50°	110.0	110.3	110.6	110.9	110.6	110.3	110.0	109.3	109.0	108.4	108.1
52.5°	84.4	84.8	84.1	84.8	84.1	84.8	84.4	84.8	83.8	83.8	83.5
55°	64.0	63.7	64.0	64.3	64.0	63.7	64.0	64.0	63.7	63.7	63.7
57.5°	47.0	46.3	46.3	46.3	46.3	46.3	47.0	46.6	47.6	47.0	47.3
60°	35.0	35.3	35.3	35.6	35.3	35.3	35.0	35.6	35.6	35.9	35.9
62.5°	25.8	26.8	26.1	26.8	26.1	26.8	25.8	26.1	26.1	26.5	26.8
65°	16.7	16.7	16.7	17.0	16.7	16.7	16.7	17.0	17.3	17.0	18.0
67.5°	11.3	11.7	12.3	12.0	12.3	11.7	11.3	11.7	11.7	12.6	12.3
70°	9.1	8.2	8.2	9.1	8.2	8.2	9.1	8.5	8.2	8.8	8.5
72.5°	5.4	4.7	5.4	5.4	5.4	4.7	5.4	4.7	5.0	5.0	5.7
75°	2.8	2.5	2.2	3.2	2.2	2.5	2.8	2.8	2.8	2.8	3.2
77.5°	1.9	1.6	2.2	2.2	2.2	1.6	1.9	1.6	1.9	1.6	1.9
80°	0.9	1.3	0.9	1.6	0.9	1.3	0.9	1.6	0.9	1.3	1.3
82.5°	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.6	0.3
85°	0.0	0.6	0.3	0.3	0.3	0.6	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: P244956

CATALOG NUMBER: LD8B10D010 ER8B10830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3
2.5°	651.9	651.0	651.3	649.4	649.4	648.8	649.1	647.5	646.9	646.3	647.2
5°	661.4	659.8	658.5	655.7	654.1	652.3	651.3	648.8	646.6	644.7	644.4
7.5°	668.9	665.5	663.3	659.5	656.7	654.5	651.3	647.8	645.0	642.5	640.6
10°	672.1	668.6	665.2	660.4	657.3	653.2	650.0	645.6	641.9	638.4	636.2
12.5°	672.4	668.0	664.8	659.5	655.4	651.0	647.5	642.5	638.1	634.6	631.1
15°	669.6	665.5	661.7	656.0	651.9	647.8	643.7	638.4	634.3	630.2	627.7
17.5°	663.3	659.5	655.1	649.7	646.0	642.2	637.8	633.3	628.6	624.2	621.1
20°	655.1	651.0	647.2	641.9	638.7	634.6	630.5	625.8	622.0	617.6	614.1
22.5°	642.8	639.0	635.6	632.4	627.4	624.2	621.4	616.0	612.2	608.1	604.4
25°	625.1	621.4	618.5	614.7	612.5	609.1	606.2	601.5	598.1	594.3	591.1
27.5°	596.2	594.0	592.4	590.2	588.3	586.7	585.1	581.4	578.8	575.4	572.2
30°	552.7	552.4	551.4	550.5	551.7	551.7	551.7	551.1	548.9	546.4	544.2
32.5°	496.9	497.5	498.8	499.7	502.3	505.1	507.6	508.9	508.9	507.3	506.4
35°	430.4	431.4	433.3	435.8	438.9	442.4	448.1	449.3	450.3	450.3	449.0
37.5°	361.4	361.1	363.0	365.2	367.1	369.6	373.7	374.7	376.2	375.6	374.3
40°	294.3	292.7	292.1	292.7	294.9	294.0	294.9	294.3	294.3	292.1	292.1
42.5°	232.2	230.3	229.1	228.1	228.1	225.9	224.3	222.8	221.8	220.3	219.9
45°	179.0	176.8	175.2	174.6	173.6	170.8	168.9	167.0	164.8	164.2	164.5
47.5°	139.0	136.8	136.1	134.5	133.0	131.4	130.1	127.9	127.6	126.4	127.6
50°	107.1	106.5	105.6	104.9	104.0	102.7	101.5	100.2	99.6	99.6	99.9
52.5°	83.2	83.5	82.6	81.6	81.0	81.0	79.4	79.1	79.1	77.8	79.1
55°	63.7	63.3	63.7	63.0	63.0	62.1	62.1	61.1	61.1	60.2	60.8
57.5°	46.6	47.3	46.6	47.0	47.6	46.6	46.3	45.4	46.0	45.4	45.7
60°	36.2	36.2	36.2	35.9	35.9	35.6	35.6	35.3	35.3	34.7	35.3
62.5°	26.8	27.1	27.1	27.1	27.4	27.1	26.8	27.1	26.8	26.8	27.1
65°	17.7	18.0	18.0	17.7	18.3	17.7	18.0	18.3	18.6	18.3	18.6
67.5°	12.0	12.0	12.3	12.6	12.3	12.6	12.9	12.6	12.9	13.6	12.9
70°	8.8	9.1	9.1	8.8	8.5	8.8	8.5	9.5	9.5	9.5	10.1
72.5°	5.7	5.7	5.4	5.4	5.4	5.4	5.4	6.3	5.7	5.4	6.0
75°	3.2	3.5	3.5	2.5	2.8	3.5	2.5	2.8	3.8	3.2	3.8
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.2	2.2	2.2	2.5
80°	1.6	1.3	1.3	0.9	1.3	1.3	1.3	1.9	1.6	1.6	1.9
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	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	0.6	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: P244956

CATALOG NUMBER: LD8B10D010 ER8B10830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3	645.3
2.5°	644.7	644.7	644.4	643.7	642.5	642.5	642.2	641.2	640.6	640.3	640.3
5°	641.5	640.3	639.0	635.6	635.6	634.9	633.0	631.8	631.1	629.6	628.9
7.5°	638.7	634.9	632.7	630.5	627.7	626.4	624.2	623.3	621.1	619.5	618.5
10°	631.8	629.2	626.4	622.9	620.7	618.2	615.7	613.8	611.0	609.4	608.1
12.5°	627.0	623.3	620.7	617.0	613.2	611.0	607.5	605.3	602.5	599.3	597.4
15°	622.6	618.5	615.1	611.0	606.9	604.4	600.3	597.7	593.6	590.5	588.3
17.5°	616.0	612.5	608.8	603.7	599.9	596.8	592.4	589.2	585.4	581.4	579.1
20°	609.1	605.0	601.2	596.2	592.4	588.6	584.2	580.7	576.3	572.5	570.0
22.5°	599.9	595.2	592.1	587.0	582.6	578.5	574.4	570.3	566.2	563.1	560.2
25°	586.7	581.7	578.2	574.1	570.0	566.9	561.8	559.3	555.2	552.4	549.5
27.5°	567.8	564.0	560.9	556.8	553.3	550.8	547.0	544.5	541.0	538.5	536.3
30°	540.1	536.9	534.1	530.0	527.5	525.3	521.8	519.6	517.1	514.2	513.6
32.5°	502.9	500.4	497.5	494.7	492.8	491.5	488.7	487.5	484.9	483.4	481.8
35°	446.8	444.6	443.0	441.8	441.1	441.4	440.8	442.1	442.7	442.4	442.7
37.5°	373.4	372.1	372.8	373.7	376.9	381.0	384.7	390.4	394.2	398.0	401.4
40°	291.5	292.4	294.9	300.6	308.8	317.9	326.4	337.2	347.9	355.4	362.4
42.5°	219.9	222.8	229.1	237.3	249.6	263.1	276.3	292.1	305.0	317.6	326.4
45°	165.4	169.2	177.4	188.7	202.3	218.0	234.8	252.4	267.8	280.8	290.5
47.5°	128.9	132.3	140.5	152.5	169.2	185.6	202.9	221.2	237.3	249.9	258.4
50°	101.8	106.2	113.4	126.0	142.7	160.1	178.0	196.0	211.1	221.8	229.4
52.5°	80.0	84.1	91.1	104.3	121.3	138.6	155.3	173.0	186.2	196.6	201.7
55°	62.1	65.9	73.1	84.1	100.2	117.2	133.9	149.0	161.3	168.9	173.6
57.5°	47.3	50.1	55.1	66.2	80.7	96.4	110.6	125.7	135.2	140.5	143.7
60°	35.9	38.1	43.5	52.0	65.2	78.8	90.7	102.1	109.7	114.1	117.2
62.5°	27.1	29.6	33.4	40.6	50.7	61.8	71.8	80.3	86.7	89.5	91.7
65°	18.6	20.5	23.3	29.0	37.5	45.4	53.3	59.6	63.7	66.8	68.1
67.5°	13.9	15.1	16.7	21.1	27.1	33.4	38.8	43.2	47.6	48.8	51.0
70°	10.4	11.3	12.9	16.1	19.5	23.9	28.4	30.9	34.0	36.2	36.9
72.5°	6.6	6.9	8.5	10.4	13.2	16.1	18.9	21.1	23.0	24.3	24.9
75°	3.8	5.7	5.7	7.6	9.5	10.7	12.6	14.2	15.1	16.1	16.1
77.5°	2.5	3.5	3.8	4.7	5.7	7.3	8.8	9.8	10.7	11.0	11.0
80°	2.2	2.5	2.5	3.5	4.1	5.4	6.3	6.6	7.3	7.6	8.2
82.5°	0.9	1.3	1.6	2.5	2.8	2.8	3.8	4.1	4.7	5.0	5.0
85°	0.3	0.6	0.6	0.9	1.6	1.9	2.2	2.5	2.8	2.8	3.2
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.3	1.3	1.3	1.9	1.9
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: P244956

CATALOG NUMBER: LD8B10D010 ER8B10830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	645.3	645.3	645.3	645.3	645.3	645.3	645.3
2.5°	639.6	640.0	638.7	638.4	637.8	638.1	638.7
5°	628.0	628.3	627.0	625.8	625.8	625.5	625.8
7.5°	617.0	617.3	615.4	614.7	613.5	613.8	613.8
10°	605.9	605.9	603.1	602.8	601.8	601.5	601.5
12.5°	595.2	594.3	592.1	590.8	591.4	589.5	589.5
15°	585.8	584.2	581.4	580.4	578.8	578.2	578.2
17.5°	576.0	574.7	572.2	570.3	568.4	568.1	568.4
20°	566.5	565.3	562.1	560.9	559.3	559.3	558.7
22.5°	557.1	555.8	553.0	552.1	549.8	549.8	550.2
25°	547.3	546.4	543.2	542.6	542.3	541.0	541.7
27.5°	534.1	533.5	530.9	530.0	528.7	528.4	529.0
30°	509.8	508.9	507.0	506.0	503.8	504.2	504.8
32.5°	479.6	478.3	475.8	474.8	473.0	472.3	472.6
35°	441.8	440.8	438.6	438.6	436.7	436.1	436.7
37.5°	403.3	404.3	403.3	404.3	403.3	403.0	403.3
40°	367.1	370.6	371.2	374.7	373.4	375.3	375.0
42.5°	332.4	338.1	340.3	343.1	342.5	343.8	344.7
45°	297.4	302.2	304.4	306.3	306.6	307.2	307.5
47.5°	264.4	268.1	268.5	270.7	270.4	270.4	271.3
50°	233.5	236.0	236.6	238.2	237.0	236.3	236.6
52.5°	204.8	207.3	206.7	207.3	205.8	205.1	205.4
55°	175.5	176.8	176.8	176.8	174.9	174.9	174.9
57.5°	145.6	145.9	145.3	145.6	145.3	143.4	143.1
60°	118.2	118.2	117.8	118.2	117.2	116.3	116.3
62.5°	92.3	93.0	94.2	93.0	92.3	93.0	92.0
65°	69.0	70.3	69.9	70.6	70.3	70.3	69.6
67.5°	52.0	52.3	52.6	52.9	52.9	52.9	52.9
70°	38.1	39.1	38.8	38.8	38.8	38.8	40.6
72.5°	25.5	26.8	26.5	27.1	27.1	27.7	27.1
75°	17.3	18.6	18.0	18.9	18.6	18.0	19.5
77.5°	11.7	12.3	12.6	12.9	12.6	12.3	12.6
80°	8.2	8.8	8.5	8.8	8.8	8.8	9.1
82.5°	5.0	6.0	5.7	6.0	5.7	6.0	6.0
85°	3.5	3.8	3.2	3.8	3.5	3.5	4.1
87.5°	2.2	1.9	1.9	2.2	1.9	2.2	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)