

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: P245946

Luminaire Tested: **LD8B10D010 ER8B10927 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245946
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 ER8B10927 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 681.8 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

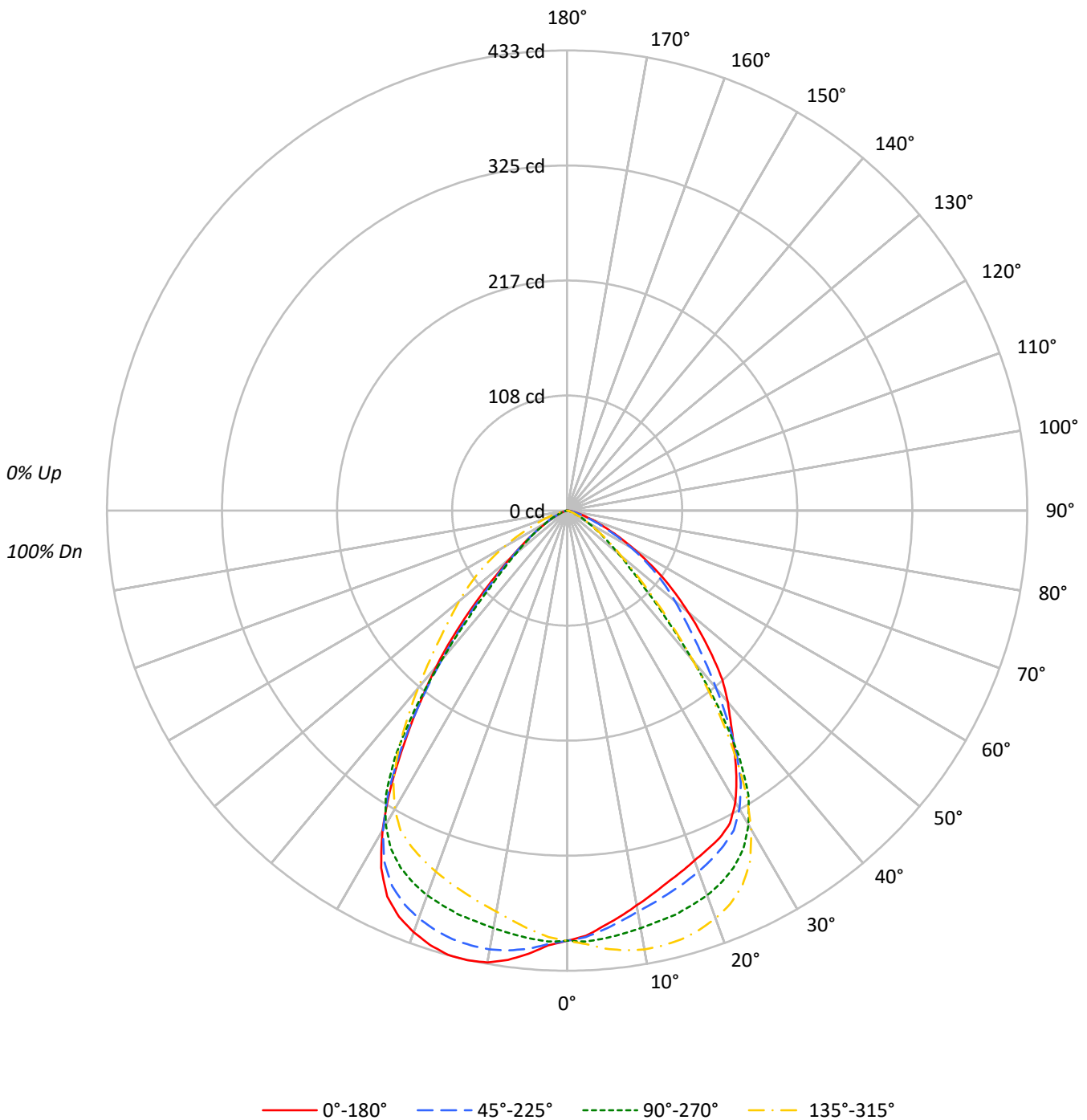
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

Luminous Intensity Polar Plot





TEST NUMBER: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

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°	12483	12483	12483	12483
5°	12149	12509	12957	12509
10°	11811	12493	13521	12493
15°	11576	12565	13817	12565
20°	11498	12640	13851	12640
25°	11561	12613	13630	12613
30°	11273	12153	12370	12153
35°	10311	10601	10059	10601
40°	9464	7375	7697	7375
45°	8412	4500	5207	4500
50°	7119	3008	3334	3008
55°	5898	2048	2167	2048
60°	4496	1369	1375	1369
65°	3181	854	781	854
70°	2299	568	514	568
75°	1465	286	238	286
80°	1012	213	178	213
85°	920	0	71	0



TEST NUMBER: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	5.7
10°-20°	111.6	16.4
20°-30°	168.9	24.8
30°-40°	169.3	24.8
40°-50°	106.3	15.6
50°-60°	56.7	8.3
60°-70°	23.3	3.4
70°-80°	6.2	0.9
80°-90°	1.0	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°	319.0	46.8
0°-40°	488.3	71.6
0°-60°	651.3	95.5
0°-90°	681.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	405	405	405	405	405	
5°	392	404	419	404	392	37
15°	363	394	433	394	363	103
25°	340	371	401	371	340	156
35°	274	282	267	282	274	172
45°	193	103	119	103	193	148
55°	110	38	40	38	110	98
65°	44	12	11	12	44	45
75°	12	2	2	2	12	14
85°	3	0	0	0	3	3
90°	0	0	0	0	0	



TEST NUMBER: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	400.6	400.2	399.9	400.4	400.6	401.4	401.2	401.6	401.6	401.7	402.2
5°	392.5	392.3	392.5	392.5	393.3	394.1	393.9	394.4	394.9	395.9	396.2
7.5°	385.0	385.0	384.8	385.5	386.0	387.1	386.9	387.9	388.6	389.5	390.9
10°	377.2	377.2	377.4	378.0	378.2	380.0	380.0	381.4	382.2	383.2	385.0
12.5°	369.8	369.8	370.9	370.6	371.4	372.7	373.3	374.7	375.9	377.9	379.7
15°	362.6	362.6	363.0	364.0	364.6	366.4	367.4	369.0	370.3	372.4	374.8
17.5°	356.5	356.3	356.5	357.8	358.9	360.4	361.2	363.3	364.6	367.2	369.6
20°	350.4	350.8	350.8	351.8	352.6	354.5	355.3	357.5	359.1	361.5	364.3
22.5°	345.0	344.8	344.8	346.3	346.8	348.6	349.4	351.3	353.1	355.2	357.8
25°	339.8	339.3	340.1	340.3	340.7	342.7	343.2	344.7	346.4	348.2	350.8
27.5°	331.8	331.4	331.7	332.4	333.0	334.6	335.0	336.4	337.7	339.3	341.6
30°	316.6	316.2	316.0	317.4	317.9	319.2	319.7	322.1	322.5	324.3	325.9
32.5°	296.4	296.2	296.7	297.8	298.5	300.0	300.8	302.2	303.2	304.2	305.8
35°	273.9	273.5	273.9	275.1	275.1	276.5	277.1	277.7	277.4	277.7	277.3
37.5°	253.0	252.8	253.0	253.6	253.0	253.6	253.0	251.8	249.6	247.3	244.8
40°	235.1	235.4	234.2	235.0	232.8	232.4	230.3	227.2	223.0	218.1	211.5
42.5°	216.2	215.7	214.9	215.2	213.4	212.1	208.5	204.8	199.2	191.2	183.2
45°	192.9	192.7	192.3	192.0	190.9	189.6	186.5	182.2	176.1	168.0	158.3
47.5°	170.1	169.5	169.5	169.8	168.4	168.2	165.8	162.0	156.7	148.8	138.7
50°	148.4	148.2	148.6	149.4	148.4	148.0	146.5	143.9	139.2	132.4	123.0
52.5°	128.8	128.7	129.0	130.0	129.6	130.0	128.5	126.4	123.3	116.8	108.4
55°	109.7	109.7	109.7	110.8	110.8	110.8	110.0	108.9	106.0	101.1	93.5
57.5°	89.8	89.9	91.1	91.4	91.1	91.5	91.4	90.1	88.2	84.8	78.9
60°	72.9	72.9	73.5	74.1	73.9	74.1	74.1	73.5	71.6	68.7	64.0
62.5°	57.7	58.3	57.9	58.3	59.1	58.3	57.9	57.5	56.1	54.3	50.4
65°	43.6	44.1	44.1	44.2	43.9	44.1	43.3	42.6	41.8	39.9	37.4
67.5°	33.2	33.2	33.2	33.2	33.0	32.8	32.6	32.1	30.6	29.8	27.1
70°	25.5	24.3	24.3	24.3	24.3	24.5	24.0	23.2	22.7	21.4	19.3
72.5°	17.0	17.4	17.0	17.0	16.7	16.8	16.0	15.6	15.2	14.4	13.3
75°	12.3	11.2	11.7	11.8	11.2	11.7	10.9	10.1	10.1	9.5	8.9
77.5°	7.9	7.8	7.9	8.1	7.9	7.8	7.3	6.9	6.9	6.8	6.1
80°	5.7	5.5	5.5	5.5	5.3	5.5	5.2	5.2	4.7	4.5	4.2
82.5°	3.7	3.7	3.6	3.7	3.6	3.7	3.2	3.2	3.2	2.9	2.6
85°	2.6	2.1	2.1	2.4	2.0	2.4	2.1	2.0	1.8	1.8	1.6
87.5°	1.2	1.3	1.2	1.3	1.2	1.2	1.3	1.2	1.2	0.8	0.8
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: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	402.8	403.0	403.0	403.8	404.1	404.3	404.3	405.9	405.3	405.7	406.1
5°	397.0	398.2	398.6	398.6	400.7	401.6	402.4	404.1	404.3	405.6	406.9
7.5°	391.5	392.8	393.6	395.4	396.8	398.2	400.6	401.7	403.0	404.6	406.3
10°	386.1	387.8	389.4	390.7	392.8	394.7	396.2	399.0	400.4	402.5	404.9
12.5°	381.0	383.2	384.5	386.9	389.4	390.9	393.3	395.9	398.0	400.2	403.0
15°	376.4	379.0	380.6	383.2	385.8	387.9	390.5	393.6	395.2	397.8	400.4
17.5°	371.5	374.3	376.3	378.7	381.8	384.2	386.3	389.5	391.5	394.3	397.2
20°	366.4	369.1	371.5	374.0	377.1	379.5	382.0	385.2	387.3	390.2	392.5
22.5°	360.2	362.8	365.4	368.2	371.4	373.3	376.3	379.0	381.4	384.0	386.3
25°	352.3	355.5	357.5	360.1	362.6	364.8	368.0	370.7	372.7	375.1	377.2
27.5°	343.1	345.5	347.1	349.2	351.8	353.7	356.1	358.9	360.9	363.0	364.6
30°	327.3	329.4	330.9	332.4	335.0	336.7	338.7	341.3	342.7	344.2	345.6
32.5°	306.6	308.2	309.0	310.3	312.1	313.9	315.4	317.6	318.2	319.2	319.2
35°	276.5	276.9	276.6	277.1	277.9	278.9	280.2	281.6	282.4	282.4	281.8
37.5°	241.3	239.0	236.4	234.3	233.8	233.4	234.2	234.8	235.6	235.9	235.0
40°	204.8	199.4	193.7	188.5	185.0	183.4	182.8	183.2	183.2	184.6	184.6
42.5°	173.4	165.0	156.5	148.8	143.7	139.7	137.9	137.9	138.2	139.2	139.7
45°	147.3	136.8	126.9	118.4	111.3	106.1	103.7	103.2	102.9	103.4	104.7
47.5°	127.2	116.4	106.1	95.6	88.2	83.0	80.8	80.0	79.2	80.0	80.2
50°	111.7	100.4	89.6	79.1	71.1	66.6	63.8	62.7	62.4	62.4	62.9
52.5°	97.4	87.0	76.0	65.4	57.2	52.8	50.2	49.6	48.8	49.6	49.6
55°	84.0	73.5	62.9	52.8	45.9	41.3	38.9	38.1	37.7	38.4	38.4
57.5°	69.4	60.5	50.6	41.5	34.5	31.4	29.6	28.7	28.5	28.8	28.5
60°	56.9	49.4	40.9	32.6	27.2	24.0	22.5	22.2	21.7	22.2	22.2
62.5°	45.0	38.7	31.8	25.5	20.9	18.6	17.0	17.0	16.8	16.8	17.0
65°	33.4	28.5	23.5	18.2	14.6	12.8	11.7	11.7	11.5	11.7	11.5
67.5°	24.3	20.9	17.0	13.3	10.5	9.5	8.7	8.1	8.5	8.1	7.9
70°	17.8	15.0	12.3	10.1	8.1	7.1	6.5	6.3	6.0	6.0	6.0
72.5°	11.8	10.1	8.3	6.5	5.3	4.4	4.2	3.7	3.4	3.6	3.9
75°	7.9	6.8	6.0	4.7	3.6	3.6	2.4	2.4	2.0	2.4	1.8
77.5°	5.5	4.5	3.6	2.9	2.4	2.1	1.6	1.6	1.3	1.3	1.3
80°	3.9	3.4	2.6	2.1	1.6	1.6	1.3	1.2	1.0	1.0	1.2
82.5°	2.4	1.8	1.8	1.6	1.0	0.8	0.6	0.8	0.4	0.4	0.4
85°	1.3	1.2	1.0	0.6	0.4	0.4	0.2	0.0	0.2	0.2	0.0
87.5°	0.8	0.4	0.4	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.4
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: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	407.1	406.9	407.2	407.2	408.5	408.3	408.9	408.9	408.5	408.7	409.5
5°	408.5	409.0	410.3	411.3	413.0	413.8	414.8	415.8	416.0	416.6	417.2
7.5°	408.5	410.5	411.9	413.7	416.0	417.4	419.5	421.3	422.1	423.1	424.4
10°	407.7	409.7	412.2	414.2	417.2	419.4	421.5	424.4	425.5	427.0	428.6
12.5°	406.1	408.3	411.1	413.7	417.0	419.0	421.8	424.4	426.0	428.3	430.1
15°	403.8	406.3	408.9	411.4	415.0	417.4	420.0	422.9	424.7	427.0	428.6
17.5°	399.9	402.8	405.1	407.5	410.8	413.7	416.0	418.7	420.5	422.6	424.7
20°	395.4	398.0	400.6	402.5	405.9	408.3	410.8	413.4	414.8	415.2	418.6
22.5°	389.7	391.5	393.4	396.7	398.6	400.7	403.2	405.6	406.9	409.0	410.3
25°	380.2	382.0	384.2	385.5	387.9	389.7	392.1	394.7	395.4	397.0	398.2
27.5°	367.0	368.0	369.0	370.1	371.5	372.5	374.0	375.1	375.9	376.7	377.4
30°	346.0	346.0	346.0	345.3	345.8	346.4	346.6	346.4	346.4	346.3	346.3
32.5°	318.4	316.8	315.0	313.4	312.9	312.1	311.6	311.1	310.0	309.5	309.7
35°	281.0	277.4	275.3	273.3	271.7	270.6	270.0	269.3	269.2	268.4	267.5
37.5°	234.3	231.9	230.3	229.0	227.7	226.5	226.7	226.9	227.5	227.0	227.2
40°	185.0	184.4	185.0	183.6	183.2	183.6	184.6	186.0	186.8	187.5	188.9
42.5°	140.7	141.6	143.1	143.1	143.7	144.5	145.7	147.8	149.0	150.4	152.0
45°	106.0	107.1	108.9	109.5	109.9	110.8	112.3	114.1	114.9	116.0	117.3
47.5°	81.7	82.5	83.4	84.4	85.4	85.7	87.2	87.2	88.2	89.0	89.3
50°	63.7	64.5	65.2	65.8	66.1	66.8	67.2	67.8	68.0	68.4	68.6
52.5°	49.8	50.7	50.7	51.2	51.8	52.4	52.2	52.4	52.5	52.5	53.2
55°	38.9	38.9	39.5	39.5	39.9	39.7	39.9	39.9	39.9	39.9	40.2
57.5°	29.0	29.2	29.8	29.5	29.2	29.6	29.2	29.6	29.5	29.8	29.2
60°	22.3	22.3	22.5	22.5	22.7	22.7	22.7	22.5	22.5	22.3	22.3
62.5°	16.8	17.0	17.2	17.0	17.0	17.0	16.8	16.8	16.7	16.4	16.4
65°	11.2	11.0	11.5	11.0	11.2	11.2	11.0	11.2	10.7	10.9	10.7
67.5°	8.1	7.9	7.8	7.9	7.8	7.5	7.5	7.8	7.9	7.3	7.3
70°	5.3	5.5	5.3	5.5	5.7	5.7	5.5	5.3	5.5	5.2	5.3
72.5°	3.4	3.4	3.4	3.4	3.4	3.6	3.6	3.6	3.2	3.2	2.9
75°	1.6	2.1	1.8	1.6	2.1	2.1	2.0	2.0	1.8	1.8	1.8
77.5°	1.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.2	1.0
80°	0.8	0.8	0.8	0.6	0.8	0.8	1.0	0.8	0.8	0.6	1.0
82.5°	0.4	0.4	0.4	0.0	0.2	0.4	0.4	0.2	0.4	0.4	0.2
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: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	409.3	409.0	409.3	409.5	409.3	409.0	409.3	409.5	408.7	408.5	408.9
5°	417.9	417.9	418.4	418.6	418.4	417.9	417.9	417.2	416.6	416.0	415.8
7.5°	425.5	425.9	426.3	426.5	426.3	425.9	425.5	424.4	423.1	422.1	421.3
10°	430.1	430.6	431.4	431.8	431.4	430.6	430.1	428.6	427.0	425.5	424.4
12.5°	432.0	432.6	433.6	433.4	433.6	432.6	432.0	430.1	428.3	426.0	424.4
15°	430.6	431.4	432.4	432.8	432.4	431.4	430.6	428.6	427.0	424.7	422.9
17.5°	426.3	427.5	428.1	428.6	428.1	427.5	426.3	424.7	422.6	420.5	418.7
20°	420.3	421.1	421.9	422.1	421.9	421.1	420.3	418.6	415.2	414.8	413.4
22.5°	411.9	412.4	414.2	413.7	414.2	412.4	411.9	410.3	409.0	406.9	405.6
25°	399.6	400.2	400.4	400.6	400.4	400.2	399.6	398.2	397.0	395.4	394.7
27.5°	378.4	378.4	378.8	379.0	378.8	378.4	378.4	377.4	376.7	375.9	375.1
30°	346.4	346.4	346.4	347.4	346.4	346.4	346.4	346.3	346.3	346.4	346.4
32.5°	309.5	309.0	308.7	309.0	308.7	309.0	309.5	309.7	309.5	310.0	311.1
35°	267.5	267.4	268.0	267.2	268.0	267.4	267.5	267.5	268.4	269.2	269.3
37.5°	227.5	227.0	227.8	227.0	227.8	227.0	227.5	227.2	227.0	227.5	226.9
40°	189.3	189.7	189.7	191.2	189.7	189.7	189.3	188.9	187.5	186.8	186.0
42.5°	152.8	153.9	153.6	154.7	153.6	153.9	152.8	152.0	150.4	149.0	147.8
45°	118.1	119.0	119.0	119.4	119.0	119.0	118.1	117.3	116.0	114.9	114.1
47.5°	90.7	90.7	90.7	90.9	90.7	90.7	90.7	89.3	89.0	88.2	87.2
50°	69.0	69.2	69.4	69.5	69.4	69.2	69.0	68.6	68.4	68.0	67.8
52.5°	53.0	53.2	52.8	53.2	52.8	53.2	53.0	53.2	52.5	52.5	52.4
55°	40.2	39.9	40.2	40.3	40.2	39.9	40.2	40.2	39.9	39.9	39.9
57.5°	29.5	29.0	29.0	29.0	29.0	29.0	29.5	29.2	29.8	29.5	29.6
60°	21.9	22.2	22.2	22.3	22.2	22.2	21.9	22.3	22.3	22.5	22.5
62.5°	16.2	16.8	16.4	16.8	16.4	16.8	16.2	16.4	16.4	16.7	16.8
65°	10.5	10.5	10.5	10.7	10.5	10.5	10.5	10.7	10.9	10.7	11.2
67.5°	7.1	7.3	7.8	7.5	7.8	7.3	7.1	7.3	7.3	7.9	7.8
70°	5.7	5.2	5.2	5.7	5.2	5.2	5.7	5.3	5.2	5.5	5.3
72.5°	3.4	2.9	3.4	3.4	3.4	2.9	3.4	2.9	3.2	3.2	3.6
75°	1.8	1.6	1.3	2.0	1.3	1.6	1.8	1.8	1.8	1.8	2.0
77.5°	1.2	1.0	1.3	1.3	1.3	1.0	1.2	1.0	1.2	1.0	1.2
80°	0.6	0.8	0.6	1.0	0.6	0.8	0.6	1.0	0.6	0.8	0.8
82.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.2
85°	0.0	0.4	0.2	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.2	0.0	0.0	0.2	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: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	408.9	408.3	408.5	407.2	407.2	406.9	407.1	406.1	405.7	405.3	405.9
5°	414.8	413.8	413.0	411.3	410.3	409.0	408.5	406.9	405.6	404.3	404.1
7.5°	419.5	417.4	416.0	413.7	411.9	410.5	408.5	406.3	404.6	403.0	401.7
10°	421.5	419.4	417.2	414.2	412.2	409.7	407.7	404.9	402.5	400.4	399.0
12.5°	421.8	419.0	417.0	413.7	411.1	408.3	406.1	403.0	400.2	398.0	395.9
15°	420.0	417.4	415.0	411.4	408.9	406.3	403.8	400.4	397.8	395.2	393.6
17.5°	416.0	413.7	410.8	407.5	405.1	402.8	399.9	397.2	394.3	391.5	389.5
20°	410.8	408.3	405.9	402.5	400.6	398.0	395.4	392.5	390.2	387.3	385.2
22.5°	403.2	400.7	398.6	396.7	393.4	391.5	389.7	386.3	384.0	381.4	379.0
25°	392.1	389.7	387.9	385.5	384.2	382.0	380.2	377.2	375.1	372.7	370.7
27.5°	374.0	372.5	371.5	370.1	369.0	368.0	367.0	364.6	363.0	360.9	358.9
30°	346.6	346.4	345.8	345.3	346.0	346.0	346.0	345.6	344.2	342.7	341.3
32.5°	311.6	312.1	312.9	313.4	315.0	316.8	318.4	319.2	319.2	318.2	317.6
35°	270.0	270.6	271.7	273.3	275.3	277.4	281.0	281.8	282.4	282.4	281.6
37.5°	226.7	226.5	227.7	229.0	230.3	231.9	234.3	235.0	235.9	235.6	234.8
40°	184.6	183.6	183.2	183.6	185.0	184.4	185.0	184.6	184.6	183.2	183.2
42.5°	145.7	144.5	143.7	143.1	143.1	141.6	140.7	139.7	139.2	138.2	137.9
45°	112.3	110.8	109.9	109.5	108.9	107.1	106.0	104.7	103.4	102.9	103.2
47.5°	87.2	85.7	85.4	84.4	83.4	82.5	81.7	80.2	80.0	79.2	80.0
50°	67.2	66.8	66.1	65.8	65.2	64.5	63.7	62.9	62.4	62.4	62.7
52.5°	52.2	52.4	51.8	51.2	50.7	50.7	49.8	49.6	49.6	48.8	49.6
55°	39.9	39.7	39.9	39.5	39.5	38.9	38.9	38.4	38.4	37.7	38.1
57.5°	29.2	29.6	29.2	29.5	29.8	29.2	29.0	28.5	28.8	28.5	28.7
60°	22.7	22.7	22.7	22.5	22.5	22.3	22.3	22.2	22.2	21.7	22.2
62.5°	16.8	17.0	17.0	17.0	17.2	17.0	16.8	17.0	16.8	16.8	17.0
65°	11.0	11.2	11.2	11.0	11.5	11.0	11.2	11.5	11.7	11.5	11.7
67.5°	7.5	7.5	7.8	7.9	7.8	7.9	8.1	7.9	8.1	8.5	8.1
70°	5.5	5.7	5.7	5.5	5.3	5.5	5.3	6.0	6.0	6.0	6.3
72.5°	3.6	3.6	3.4	3.4	3.4	3.4	3.4	3.9	3.6	3.4	3.7
75°	2.0	2.1	2.1	1.6	1.8	2.1	1.6	1.8	2.4	2.0	2.4
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.3	1.3	1.3	1.6
80°	1.0	0.8	0.8	0.6	0.8	0.8	0.8	1.2	1.0	1.0	1.2
82.5°	0.4	0.4	0.2	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	404.3	404.3	404.1	403.8	403.0	403.0	402.8	402.2	401.7	401.6	401.6
5°	402.4	401.6	400.7	398.6	398.6	398.2	397.0	396.2	395.9	394.9	394.4
7.5°	400.6	398.2	396.8	395.4	393.6	392.8	391.5	390.9	389.5	388.6	387.9
10°	396.2	394.7	392.8	390.7	389.4	387.8	386.1	385.0	383.2	382.2	381.4
12.5°	393.3	390.9	389.4	386.9	384.5	383.2	381.0	379.7	377.9	375.9	374.7
15°	390.5	387.9	385.8	383.2	380.6	379.0	376.4	374.8	372.4	370.3	369.0
17.5°	386.3	384.2	381.8	378.7	376.3	374.3	371.5	369.6	367.2	364.6	363.3
20°	382.0	379.5	377.1	374.0	371.5	369.1	366.4	364.3	361.5	359.1	357.5
22.5°	376.3	373.3	371.4	368.2	365.4	362.8	360.2	357.8	355.2	353.1	351.3
25°	368.0	364.8	362.6	360.1	357.5	355.5	352.3	350.8	348.2	346.4	344.7
27.5°	356.1	353.7	351.8	349.2	347.1	345.5	343.1	341.6	339.3	337.7	336.4
30°	338.7	336.7	335.0	332.4	330.9	329.4	327.3	325.9	324.3	322.5	322.1
32.5°	315.4	313.9	312.1	310.3	309.0	308.2	306.6	305.8	304.2	303.2	302.2
35°	280.2	278.9	277.9	277.1	276.6	276.9	276.5	277.3	277.7	277.4	277.7
37.5°	234.2	233.4	233.8	234.3	236.4	239.0	241.3	244.8	247.3	249.6	251.8
40°	182.8	183.4	185.0	188.5	193.7	199.4	204.8	211.5	218.1	223.0	227.2
42.5°	137.9	139.7	143.7	148.8	156.5	165.0	173.4	183.2	191.2	199.2	204.8
45°	103.7	106.1	111.3	118.4	126.9	136.8	147.3	158.3	168.0	176.1	182.2
47.5°	80.8	83.0	88.2	95.6	106.1	116.4	127.2	138.7	148.8	156.7	162.0
50°	63.8	66.6	71.1	79.1	89.6	100.4	111.7	123.0	132.4	139.2	143.9
52.5°	50.2	52.8	57.2	65.4	76.0	87.0	97.4	108.4	116.8	123.3	126.4
55°	38.9	41.3	45.9	52.8	62.9	73.5	84.0	93.5	101.1	106.0	108.9
57.5°	29.6	31.4	34.5	41.5	50.6	60.5	69.4	78.9	84.8	88.2	90.1
60°	22.5	24.0	27.2	32.6	40.9	49.4	56.9	64.0	68.7	71.6	73.5
62.5°	17.0	18.6	20.9	25.5	31.8	38.7	45.0	50.4	54.3	56.1	57.5
65°	11.7	12.8	14.6	18.2	23.5	28.5	33.4	37.4	39.9	41.8	42.6
67.5°	8.7	9.5	10.5	13.3	17.0	20.9	24.3	27.1	29.8	30.6	32.1
70°	6.5	7.1	8.1	10.1	12.3	15.0	17.8	19.3	21.4	22.7	23.2
72.5°	4.2	4.4	5.3	6.5	8.3	10.1	11.8	13.3	14.4	15.2	15.6
75°	2.4	3.6	3.6	4.7	6.0	6.8	7.9	8.9	9.5	10.1	10.1
77.5°	1.6	2.1	2.4	2.9	3.6	4.5	5.5	6.1	6.8	6.9	6.9
80°	1.3	1.6	1.6	2.1	2.6	3.4	3.9	4.2	4.5	4.7	5.2
82.5°	0.6	0.8	1.0	1.6	1.8	1.8	2.4	2.6	2.9	3.2	3.2
85°	0.2	0.4	0.4	0.6	1.0	1.2	1.3	1.6	1.8	1.8	2.0
87.5°	0.2	0.2	0.0	0.2	0.4	0.4	0.8	0.8	0.8	1.2	1.2
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: P245946

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	401.2	401.4	400.6	400.4	399.9	400.2	400.6
5°	393.9	394.1	393.3	392.5	392.5	392.3	392.5
7.5°	386.9	387.1	386.0	385.5	384.8	385.0	385.0
10°	380.0	380.0	378.2	378.0	377.4	377.2	377.2
12.5°	373.3	372.7	371.4	370.6	370.9	369.8	369.8
15°	367.4	366.4	364.6	364.0	363.0	362.6	362.6
17.5°	361.2	360.4	358.9	357.8	356.5	356.3	356.5
20°	355.3	354.5	352.6	351.8	350.8	350.8	350.4
22.5°	349.4	348.6	346.8	346.3	344.8	344.8	345.0
25°	343.2	342.7	340.7	340.3	340.1	339.3	339.8
27.5°	335.0	334.6	333.0	332.4	331.7	331.4	331.8
30°	319.7	319.2	317.9	317.4	316.0	316.2	316.6
32.5°	300.8	300.0	298.5	297.8	296.7	296.2	296.4
35°	277.1	276.5	275.1	275.1	273.9	273.5	273.9
37.5°	253.0	253.6	253.0	253.6	253.0	252.8	253.0
40°	230.3	232.4	232.8	235.0	234.2	235.4	235.1
42.5°	208.5	212.1	213.4	215.2	214.9	215.7	216.2
45°	186.5	189.6	190.9	192.0	192.3	192.7	192.9
47.5°	165.8	168.2	168.4	169.8	169.5	169.5	170.1
50°	146.5	148.0	148.4	149.4	148.6	148.2	148.4
52.5°	128.5	130.0	129.6	130.0	129.0	128.7	128.8
55°	110.0	110.8	110.8	110.8	109.7	109.7	109.7
57.5°	91.4	91.5	91.1	91.4	91.1	89.9	89.8
60°	74.1	74.1	73.9	74.1	73.5	72.9	72.9
62.5°	57.9	58.3	59.1	58.3	57.9	58.3	57.7
65°	43.3	44.1	43.9	44.2	44.1	44.1	43.6
67.5°	32.6	32.8	33.0	33.2	33.2	33.2	33.2
70°	24.0	24.5	24.3	24.3	24.3	24.3	25.5
72.5°	16.0	16.8	16.7	17.0	17.0	17.4	17.0
75°	10.9	11.7	11.2	11.8	11.7	11.2	12.3
77.5°	7.3	7.8	7.9	8.1	7.9	7.8	7.9
80°	5.2	5.5	5.3	5.5	5.5	5.5	5.7
82.5°	3.2	3.7	3.6	3.7	3.6	3.7	3.7
85°	2.1	2.4	2.0	2.4	2.1	2.1	2.6
87.5°	1.3	1.2	1.2	1.3	1.2	1.3	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)