

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: P245905

Luminaire Tested: **LD8B15D010 ER8B15840 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245905
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: LD8B15D010 ER8B15840 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

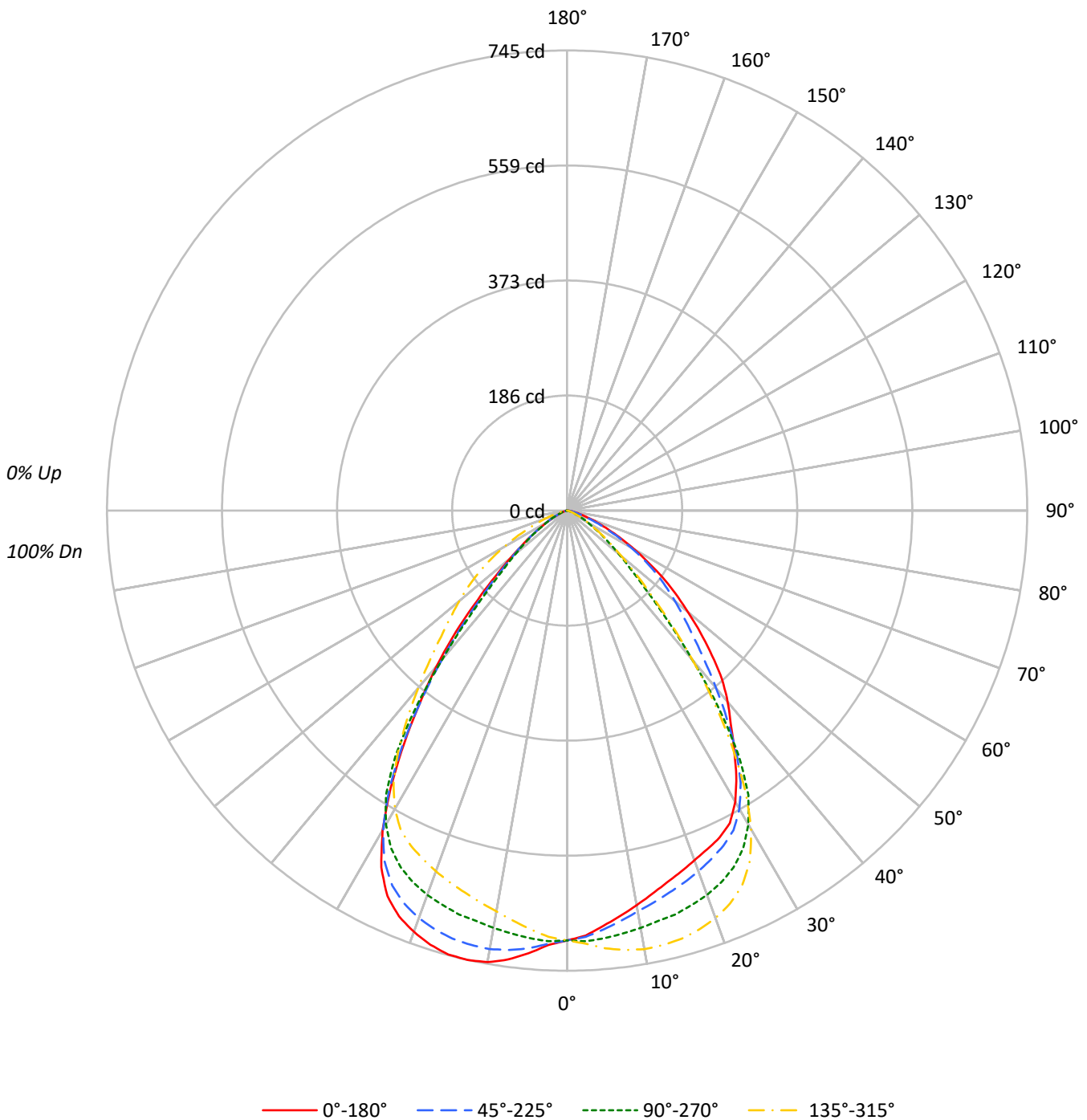
Lumens per Lamp: N/A
Luminaire Lumens: 1172.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
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: P245905
CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0B

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°	21456	21456	21456	21456
5°	20885	21507	22275	21507
10°	20309	21477	23243	21477
15°	19901	21606	23752	21606
20°	19768	21727	23814	21727
25°	19870	21684	23429	21684
30°	19381	20890	21268	20890
35°	17727	18224	17290	18224
40°	16275	12676	13240	12676
45°	14461	7732	8949	7732
50°	12238	5167	5738	5167
55°	10139	3527	3726	3527
60°	7734	2344	2368	2344
65°	5480	1459	1335	1459
70°	3949	983	893	983
75°	2514	488	405	488
80°	1758	355	302	355
85°	1557	0	106	0



TEST NUMBER: P245905

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	5.7
10°-20°	191.8	16.4
20°-30°	290.4	24.8
30°-40°	291.0	24.8
40°-50°	182.8	15.6
50°-60°	97.4	8.3
60°-70°	40.0	3.4
70°-80°	10.6	0.9
80°-90°	1.8	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°	548.4	46.8
0°-40°	839.4	71.6
0°-60°	1119.6	95.5
0°-90°	1172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1172.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	696	696	696	696	696	
5°	675	695	720	695	675	64
15°	623	677	744	677	623	176
25°	584	637	689	637	584	268
35°	471	484	459	484	471	295
45°	332	177	205	177	332	255
55°	189	66	69	66	189	168
65°	75	20	18	20	75	78
75°	21	4	3	4	21	24
85°	4	0	0	0	4	5
90°	0	0	0	0	0	



TEST NUMBER: P245905

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	688.6	688.0	687.6	688.3	688.6	690.0	689.7	690.3	690.3	690.7	691.4
5°	674.7	674.4	674.7	674.7	676.1	677.4	677.1	678.1	678.8	680.5	681.2
7.5°	661.8	661.8	661.5	662.8	663.5	665.5	665.2	666.9	667.9	669.6	672.0
10°	648.6	648.6	648.9	649.9	650.3	653.3	653.3	655.7	657.0	658.8	661.8
12.5°	635.6	635.6	637.7	637.0	638.4	640.7	641.8	644.1	646.2	649.6	652.6
15°	623.4	623.4	624.1	625.8	626.8	629.9	631.6	634.3	636.7	640.1	644.5
17.5°	612.9	612.5	612.9	614.9	617.0	619.7	621.0	624.4	626.8	631.2	635.3
20°	602.4	603.0	603.0	604.7	606.1	609.5	610.8	614.6	617.3	621.4	626.1
22.5°	593.2	592.8	592.8	595.2	596.2	599.3	600.6	604.0	607.1	610.5	614.9
25°	584.0	583.3	584.7	585.0	585.7	589.1	590.1	592.5	595.6	598.6	603.0
27.5°	570.4	569.7	570.1	571.4	572.5	575.2	575.9	578.2	580.6	583.3	587.1
30°	544.3	543.6	543.2	545.6	546.6	548.7	549.7	553.8	554.4	557.5	560.2
32.5°	509.6	509.3	509.9	512.0	513.0	515.7	517.1	519.5	521.1	522.9	525.6
35°	470.9	470.2	470.9	472.9	472.9	475.3	476.3	477.3	477.0	477.3	476.7
37.5°	434.9	434.5	434.9	435.9	434.9	435.9	434.9	432.8	429.1	425.0	420.9
40°	404.3	404.6	402.6	404.0	400.2	399.5	395.8	390.7	383.2	375.1	363.5
42.5°	371.7	370.7	369.3	370.0	366.9	364.5	358.4	352.0	342.4	328.9	314.9
45°	331.6	331.2	330.6	330.2	328.2	325.8	320.7	313.2	302.7	288.8	272.1
47.5°	292.5	291.5	291.5	291.8	289.5	289.1	285.0	278.6	269.4	255.8	238.5
50°	255.1	254.8	255.5	256.8	255.1	254.5	251.8	247.3	239.2	227.6	211.3
52.5°	221.5	221.2	221.9	223.5	222.9	223.5	220.8	217.4	212.0	200.8	186.5
55°	188.6	188.6	188.6	190.6	190.6	190.6	189.2	187.2	182.1	173.9	160.7
57.5°	154.2	154.6	156.6	157.0	156.6	157.3	157.0	154.9	151.5	145.8	135.6
60°	125.4	125.4	126.4	127.4	127.1	127.4	127.4	126.4	123.0	118.2	110.1
62.5°	99.2	100.2	99.5	100.2	101.6	100.2	99.5	98.9	96.5	93.4	86.6
65°	75.1	75.8	75.8	76.1	75.4	75.8	74.4	73.4	72.0	68.6	64.2
67.5°	57.1	57.1	57.1	57.1	56.7	56.4	56.1	55.0	52.7	51.3	46.5
70°	43.8	41.8	41.8	41.8	41.8	42.1	41.1	39.8	39.1	36.7	33.3
72.5°	29.2	29.9	29.2	29.2	28.5	28.9	27.5	26.8	26.2	24.8	22.8
75°	21.1	19.4	20.0	20.4	19.4	20.0	18.7	17.3	17.3	16.3	15.3
77.5°	13.6	13.3	13.6	13.9	13.6	13.3	12.6	11.9	11.9	11.6	10.5
80°	9.9	9.5	9.5	9.5	9.2	9.5	8.8	8.8	8.2	7.8	7.1
82.5°	6.5	6.5	6.1	6.5	6.1	6.5	5.4	5.4	5.4	5.1	4.4
85°	4.4	3.7	3.7	4.1	3.4	4.1	3.7	3.4	3.1	3.1	2.7
87.5°	2.0	2.4	2.0	2.4	2.0	2.0	2.4	2.0	2.0	1.4	1.4
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: P245905

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	692.4	692.7	692.7	694.1	694.8	695.1	695.1	697.8	696.8	697.5	698.2
5°	682.5	684.6	685.2	685.2	689.0	690.3	691.7	694.8	695.1	697.1	699.5
7.5°	673.0	675.4	676.8	679.8	682.2	684.6	688.6	690.7	692.7	695.4	698.5
10°	663.8	666.6	669.3	671.7	675.4	678.5	681.2	685.9	688.3	692.0	696.1
12.5°	655.0	658.8	661.1	665.2	669.3	672.0	676.1	680.5	684.2	688.0	692.7
15°	647.2	651.6	654.3	658.8	663.2	666.9	671.3	676.8	679.5	683.9	688.3
17.5°	638.7	643.5	646.9	650.9	656.4	660.4	664.2	669.6	673.0	677.8	682.9
20°	629.9	634.6	638.7	642.8	648.2	652.3	656.7	662.1	665.9	670.6	674.7
22.5°	619.3	623.8	628.2	632.9	638.4	641.8	646.9	651.6	655.7	660.1	664.2
25°	605.8	611.2	614.6	619.0	623.4	627.1	632.6	637.3	640.7	644.8	648.6
27.5°	589.8	593.9	596.6	600.3	604.7	608.1	612.2	617.0	620.4	624.1	626.8
30°	562.6	566.3	568.7	571.4	575.9	578.9	582.3	586.7	589.1	591.8	594.2
32.5°	526.9	530.0	531.3	533.4	536.4	539.5	542.2	546.0	547.0	548.7	548.7
35°	475.3	476.0	475.6	476.3	477.7	479.4	481.7	484.1	485.5	485.5	484.5
37.5°	414.8	410.7	406.3	402.9	401.9	401.2	402.6	403.6	405.0	405.6	404.0
40°	352.0	342.8	332.9	324.1	318.0	315.3	314.3	314.9	314.9	317.3	317.3
42.5°	298.0	283.7	269.1	255.8	247.0	240.2	237.1	237.1	237.5	239.2	240.2
45°	253.1	235.1	218.1	203.5	191.3	182.4	178.4	177.3	177.0	177.7	180.1
47.5°	218.8	200.1	182.4	164.4	151.5	142.7	139.0	137.6	136.2	137.6	137.9
50°	192.0	172.6	153.9	135.9	122.3	114.5	109.7	107.7	107.4	107.4	108.0
52.5°	167.5	149.5	130.8	112.5	98.2	90.7	86.3	85.3	83.9	85.3	85.3
55°	144.4	126.4	108.0	90.7	78.8	71.0	66.9	65.6	64.9	65.9	65.9
57.5°	119.3	104.0	87.0	71.3	59.5	54.0	51.0	49.3	48.9	49.6	48.9
60°	97.8	84.9	70.3	56.1	46.9	41.1	38.7	38.0	37.4	38.0	38.0
62.5°	77.5	66.6	54.7	43.8	36.0	31.9	29.2	29.2	28.9	28.9	29.2
65°	57.4	48.9	40.4	31.3	25.1	22.1	20.0	20.0	19.7	20.0	19.7
67.5°	41.8	36.0	29.2	22.8	18.0	16.3	14.9	13.9	14.6	13.9	13.6
70°	30.6	25.8	21.1	17.3	13.9	12.2	11.2	10.9	10.2	10.2	10.2
72.5°	20.4	17.3	14.3	11.2	9.2	7.5	7.1	6.5	5.8	6.1	6.8
75°	13.6	11.6	10.2	8.2	6.1	6.1	4.1	4.1	3.4	4.1	3.1
77.5°	9.5	7.8	6.1	5.1	4.1	3.7	2.7	2.7	2.4	2.4	2.4
80°	6.8	5.8	4.4	3.7	2.7	2.7	2.4	2.0	1.7	1.7	2.0
82.5°	4.1	3.1	3.1	2.7	1.7	1.4	1.0	1.4	0.7	0.7	0.7
85°	2.4	2.0	1.7	1.0	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.4	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



TEST NUMBER: P245905

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	699.9	699.5	700.2	700.2	702.2	701.9	702.9	702.9	702.2	702.6	703.9
5°	702.2	703.3	705.3	707.0	710.0	711.4	713.1	714.8	715.1	716.2	717.2
7.5°	702.2	705.6	708.0	711.1	715.1	717.5	721.3	724.3	725.7	727.4	729.4
10°	700.9	704.3	708.7	712.1	717.2	720.9	724.7	729.4	731.5	734.2	736.9
12.5°	698.2	701.9	706.6	711.1	716.8	720.2	725.0	729.4	732.5	736.2	739.3
15°	694.1	698.5	702.9	707.3	713.4	717.5	721.9	727.0	730.1	734.2	736.9
17.5°	687.6	692.4	696.5	700.5	706.3	711.1	715.1	719.9	723.0	726.4	730.1
20°	679.8	684.2	688.6	692.0	697.8	701.9	706.3	710.7	713.1	713.8	719.6
22.5°	670.0	673.0	676.4	681.9	685.2	689.0	693.1	697.1	699.5	703.3	705.3
25°	653.6	656.7	660.4	662.8	666.9	670.0	674.0	678.5	679.8	682.5	684.6
27.5°	630.9	632.6	634.3	636.3	638.7	640.4	642.8	644.8	646.2	647.5	648.9
30°	594.9	594.9	594.9	593.5	594.5	595.6	595.9	595.6	595.6	595.2	595.2
32.5°	547.3	544.6	541.5	538.8	537.8	536.4	535.8	534.7	533.0	532.0	532.4
35°	483.1	477.0	473.3	469.9	467.1	465.1	464.1	463.1	462.7	461.4	460.0
37.5°	402.9	398.5	395.8	393.8	391.4	389.3	389.7	390.0	391.0	390.4	390.7
40°	318.0	317.0	318.0	315.6	314.9	315.6	317.3	319.7	321.1	322.4	324.8
42.5°	241.9	243.6	246.0	246.0	247.0	248.4	250.4	254.1	256.2	258.5	261.3
45°	182.1	184.1	187.2	188.2	188.9	190.6	193.0	196.0	197.4	199.4	201.8
47.5°	140.3	141.7	143.4	145.1	146.8	147.4	149.8	149.8	151.5	152.9	153.6
50°	109.4	110.8	112.1	113.1	113.8	114.8	115.5	116.5	116.9	117.5	117.9
52.5°	85.6	87.3	87.3	88.0	89.0	90.0	89.7	90.0	90.4	90.4	91.4
55°	66.9	66.9	67.9	67.9	68.6	68.3	68.6	68.6	68.6	68.6	69.0
57.5°	49.9	50.3	51.3	50.6	50.3	51.0	50.3	51.0	50.6	51.3	50.3
60°	38.4	38.4	38.7	38.7	39.1	39.1	39.1	38.7	38.7	38.4	38.4
62.5°	28.9	29.2	29.6	29.2	29.2	29.2	28.9	28.9	28.5	28.2	28.2
65°	19.4	19.0	19.7	19.0	19.4	19.4	19.0	19.4	18.3	18.7	18.3
67.5°	13.9	13.6	13.3	13.6	13.3	12.9	12.9	13.3	13.6	12.6	12.6
70°	9.2	9.5	9.2	9.5	9.9	9.9	9.5	9.2	9.5	8.8	9.2
72.5°	5.8	5.8	5.8	5.8	5.8	6.1	6.1	6.1	5.4	5.4	5.1
75°	2.7	3.7	3.1	2.7	3.7	3.7	3.4	3.4	3.1	3.1	3.1
77.5°	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7	2.0	1.7
80°	1.4	1.4	1.4	1.0	1.4	1.4	1.7	1.4	1.4	1.0	1.7
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



TEST NUMBER: P245905

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	703.6	703.3	703.6	703.9	703.6	703.3	703.6	703.9	702.6	702.2	702.9
5°	718.5	718.5	719.2	719.6	719.2	718.5	718.5	717.2	716.2	715.1	714.8
7.5°	731.5	732.1	732.8	733.1	732.8	732.1	731.5	729.4	727.4	725.7	724.3
10°	739.3	740.3	741.6	742.3	741.6	740.3	739.3	736.9	734.2	731.5	729.4
12.5°	742.7	743.7	745.4	745.0	745.4	743.7	742.7	739.3	736.2	732.5	729.4
15°	740.3	741.6	743.3	744.0	743.3	741.6	740.3	736.9	734.2	730.1	727.0
17.5°	732.8	734.9	735.9	736.9	735.9	734.9	732.8	730.1	726.4	723.0	719.9
20°	722.6	724.0	725.3	725.7	725.3	724.0	722.6	719.6	713.8	713.1	710.7
22.5°	708.0	709.0	712.1	711.1	712.1	709.0	708.0	705.3	703.3	699.5	697.1
25°	686.9	688.0	688.3	688.6	688.3	688.0	686.9	684.6	682.5	679.8	678.5
27.5°	650.6	650.6	651.3	651.6	651.3	650.6	650.6	648.9	647.5	646.2	644.8
30°	595.6	595.6	595.6	597.3	595.6	595.6	595.6	595.2	595.2	595.6	595.6
32.5°	532.0	531.3	530.7	531.3	530.7	531.3	532.0	532.4	532.0	533.0	534.7
35°	460.0	459.7	460.7	459.3	460.7	459.7	460.0	460.0	461.4	462.7	463.1
37.5°	391.0	390.4	391.7	390.4	391.7	390.4	391.0	390.7	390.4	391.0	390.0
40°	325.5	326.1	326.1	328.9	326.1	326.1	325.5	324.8	322.4	321.1	319.7
42.5°	262.6	264.7	264.0	266.0	264.0	264.7	262.6	261.3	258.5	256.2	254.1
45°	203.2	204.5	204.5	205.2	204.5	204.5	203.2	201.8	199.4	197.4	196.0
47.5°	155.9	155.9	155.9	156.3	155.9	155.9	155.9	153.6	152.9	151.5	149.8
50°	118.6	118.9	119.3	119.6	119.3	118.9	118.6	117.9	117.5	116.9	116.5
52.5°	91.0	91.4	90.7	91.4	90.7	91.4	91.0	91.4	90.4	90.4	90.0
55°	69.0	68.6	69.0	69.3	69.0	68.6	69.0	69.0	68.6	68.6	68.6
57.5°	50.6	49.9	49.9	49.9	49.9	49.9	50.6	50.3	51.3	50.6	51.0
60°	37.7	38.0	38.0	38.4	38.0	38.0	37.7	38.4	38.4	38.7	38.7
62.5°	27.9	28.9	28.2	28.9	28.2	28.9	27.9	28.2	28.2	28.5	28.9
65°	18.0	18.0	18.0	18.3	18.0	18.0	18.0	18.3	18.7	18.3	19.4
67.5°	12.2	12.6	13.3	12.9	13.3	12.6	12.2	12.6	12.6	13.6	13.3
70°	9.9	8.8	8.8	9.9	8.8	8.8	9.9	9.2	8.8	9.5	9.2
72.5°	5.8	5.1	5.8	5.8	5.8	5.1	5.8	5.1	5.4	5.4	6.1
75°	3.1	2.7	2.4	3.4	2.4	2.7	3.1	3.1	3.1	3.1	3.4
77.5°	2.0	1.7	2.4	2.4	2.4	1.7	2.0	1.7	2.0	1.7	2.0
80°	1.0	1.4	1.0	1.7	1.0	1.4	1.0	1.7	1.0	1.4	1.4
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: P245905

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	702.9	701.9	702.2	700.2	700.2	699.5	699.9	698.2	697.5	696.8	697.8
5°	713.1	711.4	710.0	707.0	705.3	703.3	702.2	699.5	697.1	695.1	694.8
7.5°	721.3	717.5	715.1	711.1	708.0	705.6	702.2	698.5	695.4	692.7	690.7
10°	724.7	720.9	717.2	712.1	708.7	704.3	700.9	696.1	692.0	688.3	685.9
12.5°	725.0	720.2	716.8	711.1	706.6	701.9	698.2	692.7	688.0	684.2	680.5
15°	721.9	717.5	713.4	707.3	702.9	698.5	694.1	688.3	683.9	679.5	676.8
17.5°	715.1	711.1	706.3	700.5	696.5	692.4	687.6	682.9	677.8	673.0	669.6
20°	706.3	701.9	697.8	692.0	688.6	684.2	679.8	674.7	670.6	665.9	662.1
22.5°	693.1	689.0	685.2	681.9	676.4	673.0	670.0	664.2	660.1	655.7	651.6
25°	674.0	670.0	666.9	662.8	660.4	656.7	653.6	648.6	644.8	640.7	637.3
27.5°	642.8	640.4	638.7	636.3	634.3	632.6	630.9	626.8	624.1	620.4	617.0
30°	595.9	595.6	594.5	593.5	594.9	594.9	594.9	594.2	591.8	589.1	586.7
32.5°	535.8	536.4	537.8	538.8	541.5	544.6	547.3	548.7	548.7	547.0	546.0
35°	464.1	465.1	467.1	469.9	473.3	477.0	483.1	484.5	485.5	485.5	484.1
37.5°	389.7	389.3	391.4	393.8	395.8	398.5	402.9	404.0	405.6	405.0	403.6
40°	317.3	315.6	314.9	315.6	318.0	317.0	318.0	317.3	317.3	314.9	314.9
42.5°	250.4	248.4	247.0	246.0	246.0	243.6	241.9	240.2	239.2	237.5	237.1
45°	193.0	190.6	188.9	188.2	187.2	184.1	182.1	180.1	177.7	177.0	177.3
47.5°	149.8	147.4	146.8	145.1	143.4	141.7	140.3	137.9	137.6	136.2	137.6
50°	115.5	114.8	113.8	113.1	112.1	110.8	109.4	108.0	107.4	107.4	107.7
52.5°	89.7	90.0	89.0	88.0	87.3	87.3	85.6	85.3	85.3	83.9	85.3
55°	68.6	68.3	68.6	67.9	67.9	66.9	66.9	65.9	65.9	64.9	65.6
57.5°	50.3	51.0	50.3	50.6	51.3	50.3	49.9	48.9	49.6	48.9	49.3
60°	39.1	39.1	39.1	38.7	38.7	38.4	38.4	38.0	38.0	37.4	38.0
62.5°	28.9	29.2	29.2	29.2	29.6	29.2	28.9	29.2	28.9	28.9	29.2
65°	19.0	19.4	19.4	19.0	19.7	19.0	19.4	19.7	20.0	19.7	20.0
67.5°	12.9	12.9	13.3	13.6	13.3	13.6	13.9	13.6	13.9	14.6	13.9
70°	9.5	9.9	9.9	9.5	9.2	9.5	9.2	10.2	10.2	10.2	10.9
72.5°	6.1	6.1	5.8	5.8	5.8	5.8	5.8	6.8	6.1	5.8	6.5
75°	3.4	3.7	3.7	2.7	3.1	3.7	2.7	3.1	4.1	3.4	4.1
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.4	2.4	2.4	2.7
80°	1.7	1.4	1.4	1.0	1.4	1.4	1.4	2.0	1.7	1.7	2.0
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
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: P245905

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	695.1	695.1	694.8	694.1	692.7	692.7	692.4	691.4	690.7	690.3	690.3
5°	691.7	690.3	689.0	685.2	685.2	684.6	682.5	681.2	680.5	678.8	678.1
7.5°	688.6	684.6	682.2	679.8	676.8	675.4	673.0	672.0	669.6	667.9	666.9
10°	681.2	678.5	675.4	671.7	669.3	666.6	663.8	661.8	658.8	657.0	655.7
12.5°	676.1	672.0	669.3	665.2	661.1	658.8	655.0	652.6	649.6	646.2	644.1
15°	671.3	666.9	663.2	658.8	654.3	651.6	647.2	644.5	640.1	636.7	634.3
17.5°	664.2	660.4	656.4	650.9	646.9	643.5	638.7	635.3	631.2	626.8	624.4
20°	656.7	652.3	648.2	642.8	638.7	634.6	629.9	626.1	621.4	617.3	614.6
22.5°	646.9	641.8	638.4	632.9	628.2	623.8	619.3	614.9	610.5	607.1	604.0
25°	632.6	627.1	623.4	619.0	614.6	611.2	605.8	603.0	598.6	595.6	592.5
27.5°	612.2	608.1	604.7	600.3	596.6	593.9	589.8	587.1	583.3	580.6	578.2
30°	582.3	578.9	575.9	571.4	568.7	566.3	562.6	560.2	557.5	554.4	553.8
32.5°	542.2	539.5	536.4	533.4	531.3	530.0	526.9	525.6	522.9	521.1	519.5
35°	481.7	479.4	477.7	476.3	475.6	476.0	475.3	476.7	477.3	477.0	477.3
37.5°	402.6	401.2	401.9	402.9	406.3	410.7	414.8	420.9	425.0	429.1	432.8
40°	314.3	315.3	318.0	324.1	332.9	342.8	352.0	363.5	375.1	383.2	390.7
42.5°	237.1	240.2	247.0	255.8	269.1	283.7	298.0	314.9	328.9	342.4	352.0
45°	178.4	182.4	191.3	203.5	218.1	235.1	253.1	272.1	288.8	302.7	313.2
47.5°	139.0	142.7	151.5	164.4	182.4	200.1	218.8	238.5	255.8	269.4	278.6
50°	109.7	114.5	122.3	135.9	153.9	172.6	192.0	211.3	227.6	239.2	247.3
52.5°	86.3	90.7	98.2	112.5	130.8	149.5	167.5	186.5	200.8	212.0	217.4
55°	66.9	71.0	78.8	90.7	108.0	126.4	144.4	160.7	173.9	182.1	187.2
57.5°	51.0	54.0	59.5	71.3	87.0	104.0	119.3	135.6	145.8	151.5	154.9
60°	38.7	41.1	46.9	56.1	70.3	84.9	97.8	110.1	118.2	123.0	126.4
62.5°	29.2	31.9	36.0	43.8	54.7	66.6	77.5	86.6	93.4	96.5	98.9
65°	20.0	22.1	25.1	31.3	40.4	48.9	57.4	64.2	68.6	72.0	73.4
67.5°	14.9	16.3	18.0	22.8	29.2	36.0	41.8	46.5	51.3	52.7	55.0
70°	11.2	12.2	13.9	17.3	21.1	25.8	30.6	33.3	36.7	39.1	39.8
72.5°	7.1	7.5	9.2	11.2	14.3	17.3	20.4	22.8	24.8	26.2	26.8
75°	4.1	6.1	6.1	8.2	10.2	11.6	13.6	15.3	16.3	17.3	17.3
77.5°	2.7	3.7	4.1	5.1	6.1	7.8	9.5	10.5	11.6	11.9	11.9
80°	2.4	2.7	2.7	3.7	4.4	5.8	6.8	7.1	7.8	8.2	8.8
82.5°	1.0	1.4	1.7	2.7	3.1	3.1	4.1	4.4	5.1	5.4	5.4
85°	0.3	0.7	0.7	1.0	1.7	2.0	2.4	2.7	3.1	3.1	3.4
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.4	1.4	1.4	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: P245905

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	689.7	690.0	688.6	688.3	687.6	688.0	688.6
5°	677.1	677.4	676.1	674.7	674.7	674.4	674.7
7.5°	665.2	665.5	663.5	662.8	661.5	661.8	661.8
10°	653.3	653.3	650.3	649.9	648.9	648.6	648.6
12.5°	641.8	640.7	638.4	637.0	637.7	635.6	635.6
15°	631.6	629.9	626.8	625.8	624.1	623.4	623.4
17.5°	621.0	619.7	617.0	614.9	612.9	612.5	612.9
20°	610.8	609.5	606.1	604.7	603.0	603.0	602.4
22.5°	600.6	599.3	596.2	595.2	592.8	592.8	593.2
25°	590.1	589.1	585.7	585.0	584.7	583.3	584.0
27.5°	575.9	575.2	572.5	571.4	570.1	569.7	570.4
30°	549.7	548.7	546.6	545.6	543.2	543.6	544.3
32.5°	517.1	515.7	513.0	512.0	509.9	509.3	509.6
35°	476.3	475.3	472.9	472.9	470.9	470.2	470.9
37.5°	434.9	435.9	434.9	435.9	434.9	434.5	434.9
40°	395.8	399.5	400.2	404.0	402.6	404.6	404.3
42.5°	358.4	364.5	366.9	370.0	369.3	370.7	371.7
45°	320.7	325.8	328.2	330.2	330.6	331.2	331.6
47.5°	285.0	289.1	289.5	291.8	291.5	291.5	292.5
50°	251.8	254.5	255.1	256.8	255.5	254.8	255.1
52.5°	220.8	223.5	222.9	223.5	221.9	221.2	221.5
55°	189.2	190.6	190.6	190.6	188.6	188.6	188.6
57.5°	157.0	157.3	156.6	157.0	156.6	154.6	154.2
60°	127.4	127.4	127.1	127.4	126.4	125.4	125.4
62.5°	99.5	100.2	101.6	100.2	99.5	100.2	99.2
65°	74.4	75.8	75.4	76.1	75.8	75.8	75.1
67.5°	56.1	56.4	56.7	57.1	57.1	57.1	57.1
70°	41.1	42.1	41.8	41.8	41.8	41.8	43.8
72.5°	27.5	28.9	28.5	29.2	29.2	29.9	29.2
75°	18.7	20.0	19.4	20.4	20.0	19.4	21.1
77.5°	12.6	13.3	13.6	13.9	13.6	13.3	13.6
80°	8.8	9.5	9.2	9.5	9.5	9.5	9.9
82.5°	5.4	6.5	6.1	6.5	6.1	6.5	6.5
85°	3.7	4.1	3.4	4.1	3.7	3.7	4.4
87.5°	2.4	2.0	2.0	2.4	2.0	2.4	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)