

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: P245949

Luminaire Tested: **LD8B30D010 ER8B309727 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245949
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: LD8B30D010 ER8B309727 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: 1646.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

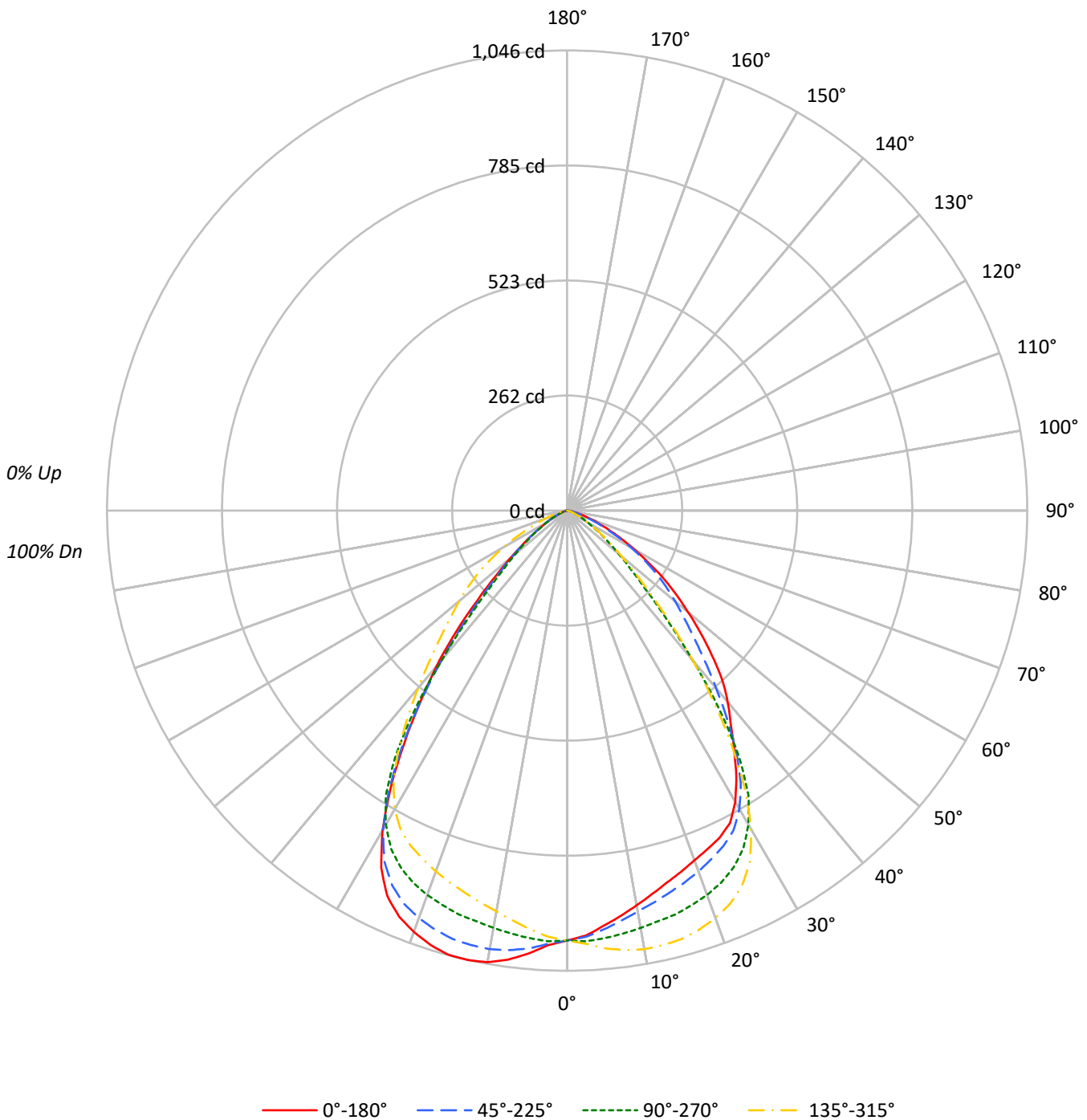
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	5.7
10°-20°	269.3	16.4
20°-30°	407.8	24.8
30°-40°	408.7	24.8
40°-50°	256.7	15.6
50°-60°	136.8	8.3
60°-70°	56.3	3.4
70°-80°	14.9	0.9
80°-90°	2.5	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°	770.2	46.8
0°-40°	1178.9	71.6
0°-60°	1572.4	95.5
0°-90°	1646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1646.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	977	977	977	977	977	
5°	948	976	1011	976	948	89
15°	876	950	1045	950	876	248
25°	820	895	967	895	820	376
35°	661	680	645	680	661	414
45°	466	249	288	249	466	358
55°	265	92	97	92	265	236
65°	105	28	26	28	105	109
75°	30	6	5	6	30	34
85°	6	0	0	0	6	7
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°	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2
2.5°	967.2	966.2	965.7	966.7	967.2	969.1	968.6	969.5	969.5	970.0	971.0
5°	947.6	947.1	947.6	947.6	949.5	951.4	950.9	952.4	953.3	955.7	956.7
7.5°	929.5	929.5	929.0	930.9	931.9	934.7	934.2	936.6	938.1	940.4	943.8
10°	910.9	910.9	911.3	912.8	913.3	917.5	917.5	920.9	922.8	925.2	929.5
12.5°	892.7	892.7	895.6	894.6	896.5	899.9	901.3	904.6	907.5	912.3	916.6
15°	875.5	875.5	876.5	878.9	880.3	884.6	887.0	890.8	894.2	898.9	905.1
17.5°	860.8	860.3	860.8	863.6	866.5	870.3	872.2	877.0	880.3	886.5	892.3
20°	846.0	846.9	846.9	849.3	851.2	856.0	857.9	863.2	867.0	872.7	879.4
22.5°	833.1	832.6	832.6	836.0	837.4	841.7	843.6	848.3	852.6	857.4	863.6
25°	820.2	819.2	821.2	821.6	822.6	827.3	828.8	832.1	836.4	840.7	846.9
27.5°	801.1	800.2	800.6	802.5	804.0	807.8	808.8	812.1	815.4	819.2	824.5
30°	764.4	763.4	763.0	766.3	767.7	770.6	772.0	777.7	778.7	783.0	786.8
32.5°	715.7	715.2	716.2	719.0	720.5	724.3	726.2	729.5	731.9	734.3	738.1
35°	661.3	660.4	661.3	664.2	664.2	667.5	669.0	670.4	669.9	670.4	669.4
37.5°	610.7	610.3	610.7	612.2	610.7	612.2	610.7	607.9	602.6	596.9	591.2
40°	567.8	568.3	565.4	567.3	562.1	561.1	555.9	548.7	538.2	526.8	510.5
42.5°	522.0	520.6	518.7	519.6	515.3	512.0	503.4	494.3	480.9	461.9	442.3
45°	465.7	465.2	464.3	463.8	460.9	457.6	450.4	439.9	425.1	405.6	382.2
47.5°	410.8	409.4	409.4	409.9	406.5	406.0	400.3	391.3	378.4	359.3	334.9
50°	358.3	357.8	358.8	360.7	358.3	357.4	353.6	347.4	335.9	319.7	296.8
52.5°	311.1	310.6	311.6	314.0	313.0	314.0	310.1	305.4	297.7	282.0	262.0
55°	264.8	264.8	264.8	267.7	267.7	267.7	265.8	262.9	255.7	244.3	225.7
57.5°	216.6	217.1	220.0	220.4	220.0	220.9	220.4	217.6	212.8	204.7	190.4
60°	176.1	176.1	177.5	178.9	178.4	178.9	178.9	177.5	172.7	166.1	154.6
62.5°	139.3	140.8	139.8	140.8	142.7	140.8	139.8	138.9	135.5	131.2	121.7
65°	105.4	106.4	106.4	106.9	105.9	106.4	104.5	103.1	101.2	96.4	90.2
67.5°	80.2	80.2	80.2	80.2	79.7	79.2	78.7	77.3	74.0	72.1	65.4
70°	61.5	58.7	58.7	58.7	58.7	59.2	57.7	55.8	54.9	51.5	46.8
72.5°	41.0	42.0	41.0	41.0	40.1	40.6	38.7	37.7	36.7	34.8	32.0
75°	29.6	27.2	28.1	28.6	27.2	28.1	26.2	24.3	24.3	22.9	21.5
77.5°	19.1	18.6	19.1	19.6	19.1	18.6	17.7	16.7	16.7	16.2	14.8
80°	13.8	13.4	13.4	13.4	12.9	13.4	12.4	12.4	11.4	11.0	10.0
82.5°	9.1	9.1	8.6	9.1	8.6	9.1	7.6	7.6	7.6	7.1	6.2
85°	6.2	5.2	5.2	5.7	4.8	5.7	5.2	4.8	4.3	4.3	3.8
87.5°	2.9	3.3	2.9	3.3	2.9	2.9	3.3	2.9	2.9	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2
2.5°	972.4	972.9	972.9	974.8	975.7	976.2	976.2	980.0	978.6	979.6	980.5
5°	958.6	961.4	962.4	962.4	967.6	969.5	971.4	975.7	976.2	979.1	982.4
7.5°	945.2	948.5	950.5	954.7	958.1	961.4	967.2	970.0	972.9	976.7	981.0
10°	932.3	936.2	940.0	943.3	948.5	952.8	956.7	963.3	966.7	971.9	977.6
12.5°	919.9	925.2	928.5	934.2	940.0	943.8	949.5	955.7	961.0	966.2	972.9
15°	909.0	915.2	919.0	925.2	931.4	936.6	942.8	950.5	954.3	960.5	966.7
17.5°	897.0	903.7	908.5	914.2	921.8	927.5	932.8	940.4	945.2	951.9	959.1
20°	884.6	891.3	897.0	902.7	910.4	916.1	922.3	929.9	935.2	941.9	947.6
22.5°	869.8	876.0	882.2	888.9	896.5	901.3	908.5	915.2	920.9	927.1	932.8
25°	850.7	858.4	863.2	869.3	875.5	880.8	888.4	895.1	899.9	905.6	910.9
27.5°	828.3	834.0	837.9	843.1	849.3	854.1	859.8	866.5	871.3	876.5	880.3
30°	790.1	795.4	798.7	802.5	808.8	813.1	817.8	824.0	827.3	831.2	834.5
32.5°	740.0	744.3	746.2	749.1	753.4	757.7	761.5	766.8	768.2	770.6	770.6
35°	667.5	668.5	668.0	669.0	670.9	673.2	676.6	679.9	681.8	681.8	680.4
37.5°	582.6	576.9	570.7	565.9	564.5	563.5	565.4	566.8	568.8	569.7	567.3
40°	494.3	481.4	467.6	455.2	446.6	442.8	441.4	442.3	442.3	445.6	445.6
42.5°	418.5	398.4	377.9	359.3	346.9	337.3	333.0	333.0	333.5	335.9	337.3
45°	355.5	330.2	306.3	285.8	268.6	256.2	250.5	249.1	248.6	249.5	252.9
47.5°	307.3	281.0	256.2	230.9	212.8	200.4	195.2	193.2	191.3	193.2	193.7
50°	269.6	242.4	216.2	190.9	171.8	160.8	154.1	151.2	150.8	150.8	151.7
52.5°	235.2	209.9	183.7	157.9	137.9	127.4	121.2	119.8	117.9	119.8	119.8
55°	202.8	177.5	151.7	127.4	110.7	99.7	94.0	92.1	91.1	92.6	92.6
57.5°	167.5	146.0	122.2	100.2	83.5	75.9	71.6	69.2	68.7	69.7	68.7
60°	137.4	119.3	98.8	78.7	65.9	57.7	54.4	53.4	52.5	53.4	53.4
62.5°	108.8	93.5	76.8	61.5	50.6	44.9	41.0	41.0	40.6	40.6	41.0
65°	80.6	68.7	56.8	43.9	35.3	31.0	28.1	28.1	27.7	28.1	27.7
67.5°	58.7	50.6	41.0	32.0	25.3	22.9	21.0	19.6	20.5	19.6	19.1
70°	43.0	36.3	29.6	24.3	19.6	17.2	15.8	15.3	14.3	14.3	14.3
72.5°	28.6	24.3	20.0	15.8	12.9	10.5	10.0	9.1	8.1	8.6	9.5
75°	19.1	16.2	14.3	11.4	8.6	8.6	5.7	5.7	4.8	5.7	4.3
77.5°	13.4	11.0	8.6	7.1	5.7	5.2	3.8	3.8	3.3	3.3	3.3
80°	9.5	8.1	6.2	5.2	3.8	3.8	3.3	2.9	2.4	2.4	2.9
82.5°	5.7	4.3	4.3	3.8	2.4	1.9	1.4	1.9	1.0	1.0	1.0
85°	3.3	2.9	2.4	1.4	1.0	1.0	0.5	0.0	0.5	0.5	0.0
87.5°	1.9	1.0	1.0	0.5	0.0	0.5	0.5	0.0	0.0	0.0	1.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2
2.5°	982.9	982.4	983.4	983.4	986.3	985.8	987.2	987.2	986.3	986.7	988.6
5°	986.3	987.7	990.5	992.9	997.2	999.1	1001.5	1003.9	1004.4	1005.8	1007.2
7.5°	986.3	991.0	994.4	998.6	1004.4	1007.7	1013.0	1017.3	1019.2	1021.5	1024.4
10°	984.3	989.1	995.3	1000.1	1007.2	1012.5	1017.7	1024.4	1027.3	1031.1	1034.9
12.5°	980.5	985.8	992.4	998.6	1006.8	1011.5	1018.2	1024.4	1028.7	1034.0	1038.3
15°	974.8	981.0	987.2	993.4	1002.0	1007.7	1013.9	1021.1	1025.4	1031.1	1034.9
17.5°	965.7	972.4	978.1	983.9	992.0	998.6	1004.4	1011.1	1015.4	1020.1	1025.4
20°	954.7	961.0	967.2	971.9	980.0	985.8	992.0	998.2	1001.5	1002.5	1010.6
22.5°	940.9	945.2	950.0	957.6	962.4	967.6	973.4	979.1	982.4	987.7	990.5
25°	918.0	922.3	927.5	930.9	936.6	940.9	946.6	952.8	954.7	958.6	961.4
27.5°	886.1	888.4	890.8	893.7	897.0	899.4	902.7	905.6	907.5	909.4	911.3
30°	835.5	835.5	835.5	833.6	835.0	836.4	836.9	836.4	836.4	836.0	836.0
32.5°	768.7	764.9	760.6	756.7	755.3	753.4	752.4	751.0	748.6	747.2	747.7
35°	678.5	669.9	664.7	659.9	656.1	653.2	651.8	650.3	649.9	648.0	646.0
37.5°	565.9	559.7	555.9	553.0	549.7	546.8	547.3	547.8	549.2	548.2	548.7
40°	446.6	445.2	446.6	443.3	442.3	443.3	445.6	449.0	450.9	452.8	456.1
42.5°	339.7	342.1	345.5	345.5	346.9	348.8	351.6	356.9	359.8	363.1	366.9
45°	255.7	258.6	262.9	264.3	265.3	267.7	271.0	275.3	277.2	280.1	283.4
47.5°	197.1	199.0	201.3	203.7	206.1	207.1	210.4	210.4	212.8	214.7	215.7
50°	153.6	155.5	157.4	158.9	159.8	161.3	162.2	163.7	164.1	165.1	165.6
52.5°	120.2	122.6	122.6	123.6	125.0	126.4	126.0	126.4	126.9	126.9	128.3
55°	94.0	94.0	95.4	95.4	96.4	95.9	96.4	96.4	96.4	96.4	96.9
57.5°	70.1	70.6	72.1	71.1	70.6	71.6	70.6	71.6	71.1	72.1	70.6
60°	53.9	53.9	54.4	54.4	54.9	54.9	54.9	54.4	54.4	53.9	53.9
62.5°	40.6	41.0	41.5	41.0	41.0	41.0	40.6	40.6	40.1	39.6	39.6
65°	27.2	26.7	27.7	26.7	27.2	27.2	26.7	27.2	25.8	26.2	25.8
67.5°	19.6	19.1	18.6	19.1	18.6	18.1	18.1	18.6	19.1	17.7	17.7
70°	12.9	13.4	12.9	13.4	13.8	13.8	13.4	12.9	13.4	12.4	12.9
72.5°	8.1	8.1	8.1	8.1	8.1	8.6	8.6	8.6	7.6	7.6	7.1
75°	3.8	5.2	4.3	3.8	5.2	5.2	4.8	4.8	4.3	4.3	4.3
77.5°	3.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.4	2.9	2.4
80°	1.9	1.9	1.9	1.4	1.9	1.9	2.4	1.9	1.9	1.4	2.4
82.5°	1.0	1.0	1.0	0.0	0.5	1.0	1.0	0.5	1.0	1.0	0.5
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°	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2
2.5°	988.2	987.7	988.2	988.6	988.2	987.7	988.2	988.6	986.7	986.3	987.2
5°	1009.2	1009.2	1010.1	1010.6	1010.1	1009.2	1009.2	1007.2	1005.8	1004.4	1003.9
7.5°	1027.3	1028.2	1029.2	1029.7	1029.2	1028.2	1027.3	1024.4	1021.5	1019.2	1017.3
10°	1038.3	1039.7	1041.6	1042.5	1041.6	1039.7	1038.3	1034.9	1031.1	1027.3	1024.4
12.5°	1043.0	1044.5	1046.8	1046.4	1046.8	1044.5	1043.0	1038.3	1034.0	1028.7	1024.4
15°	1039.7	1041.6	1044.0	1044.9	1044.0	1041.6	1039.7	1034.9	1031.1	1025.4	1021.1
17.5°	1029.2	1032.1	1033.5	1034.9	1033.5	1032.1	1029.2	1025.4	1020.1	1015.4	1011.1
20°	1014.9	1016.8	1018.7	1019.2	1018.7	1016.8	1014.9	1010.6	1002.5	1001.5	998.2
22.5°	994.4	995.8	1000.1	998.6	1000.1	995.8	994.4	990.5	987.7	982.4	979.1
25°	964.8	966.2	966.7	967.2	966.7	966.2	964.8	961.4	958.6	954.7	952.8
27.5°	913.7	913.7	914.7	915.2	914.7	913.7	913.7	911.3	909.4	907.5	905.6
30°	836.4	836.4	836.4	838.8	836.4	836.4	836.4	836.0	836.0	836.4	836.4
32.5°	747.2	746.2	745.3	746.2	745.3	746.2	747.2	747.7	747.2	748.6	751.0
35°	646.0	645.6	647.0	645.1	647.0	645.6	646.0	646.0	648.0	649.9	650.3
37.5°	549.2	548.2	550.1	548.2	550.1	548.2	549.2	548.7	548.2	549.2	547.8
40°	457.1	458.0	458.0	461.9	458.0	458.0	457.1	456.1	452.8	450.9	449.0
42.5°	368.8	371.7	370.7	373.6	370.7	371.7	368.8	366.9	363.1	359.8	356.9
45°	285.3	287.2	287.2	288.2	287.2	287.2	285.3	283.4	280.1	277.2	275.3
47.5°	219.0	219.0	219.0	219.5	219.0	219.0	219.0	215.7	214.7	212.8	210.4
50°	166.5	167.0	167.5	168.0	167.5	167.0	166.5	165.6	165.1	164.1	163.7
52.5°	127.9	128.3	127.4	128.3	127.4	128.3	127.9	128.3	126.9	126.9	126.4
55°	96.9	96.4	96.9	97.3	96.9	96.4	96.9	96.9	96.4	96.4	96.4
57.5°	71.1	70.1	70.1	70.1	70.1	70.1	71.1	70.6	72.1	71.1	71.6
60°	53.0	53.4	53.4	53.9	53.4	53.4	53.0	53.9	53.9	54.4	54.4
62.5°	39.1	40.6	39.6	40.6	39.6	40.6	39.1	39.6	39.6	40.1	40.6
65°	25.3	25.3	25.3	25.8	25.3	25.3	25.3	25.8	26.2	25.8	27.2
67.5°	17.2	17.7	18.6	18.1	18.6	17.7	17.2	17.7	17.7	19.1	18.6
70°	13.8	12.4	12.4	13.8	12.4	12.4	13.8	12.9	12.4	13.4	12.9
72.5°	8.1	7.1	8.1	8.1	8.1	7.1	8.1	7.1	7.6	7.6	8.6
75°	4.3	3.8	3.3	4.8	3.3	3.8	4.3	4.3	4.3	4.3	4.8
77.5°	2.9	2.4	3.3	3.3	3.3	2.4	2.9	2.4	2.9	2.4	2.9
80°	1.4	1.9	1.4	2.4	1.4	1.9	1.4	2.4	1.4	1.9	1.9
82.5°	0.5	1.0	1.0	1.0	1.0	1.0	0.5	0.5	1.0	1.0	0.5
85°	0.0	1.0	0.5	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.5	0.0	0.0	0.5	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: P245949

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2
2.5°	987.2	985.8	986.3	983.4	983.4	982.4	982.9	980.5	979.6	978.6	980.0
5°	1001.5	999.1	997.2	992.9	990.5	987.7	986.3	982.4	979.1	976.2	975.7
7.5°	1013.0	1007.7	1004.4	998.6	994.4	991.0	986.3	981.0	976.7	972.9	970.0
10°	1017.7	1012.5	1007.2	1000.1	995.3	989.1	984.3	977.6	971.9	966.7	963.3
12.5°	1018.2	1011.5	1006.8	998.6	992.4	985.8	980.5	972.9	966.2	961.0	955.7
15°	1013.9	1007.7	1002.0	993.4	987.2	981.0	974.8	966.7	960.5	954.3	950.5
17.5°	1004.4	998.6	992.0	983.9	978.1	972.4	965.7	959.1	951.9	945.2	940.4
20°	992.0	985.8	980.0	971.9	967.2	961.0	954.7	947.6	941.9	935.2	929.9
22.5°	973.4	967.6	962.4	957.6	950.0	945.2	940.9	932.8	927.1	920.9	915.2
25°	946.6	940.9	936.6	930.9	927.5	922.3	918.0	910.9	905.6	899.9	895.1
27.5°	902.7	899.4	897.0	893.7	890.8	888.4	886.1	880.3	876.5	871.3	866.5
30°	836.9	836.4	835.0	833.6	835.5	835.5	835.5	834.5	831.2	827.3	824.0
32.5°	752.4	753.4	755.3	756.7	760.6	764.9	768.7	770.6	770.6	768.2	766.8
35°	651.8	653.2	656.1	659.9	664.7	669.9	678.5	680.4	681.8	681.8	679.9
37.5°	547.3	546.8	549.7	553.0	555.9	559.7	565.9	567.3	569.7	568.8	566.8
40°	445.6	443.3	442.3	443.3	446.6	445.2	446.6	445.6	445.6	442.3	442.3
42.5°	351.6	348.8	346.9	345.5	345.5	342.1	339.7	337.3	335.9	333.5	333.0
45°	271.0	267.7	265.3	264.3	262.9	258.6	255.7	252.9	249.5	248.6	249.1
47.5°	210.4	207.1	206.1	203.7	201.3	199.0	197.1	193.7	193.2	191.3	193.2
50°	162.2	161.3	159.8	158.9	157.4	155.5	153.6	151.7	150.8	150.8	151.2
52.5°	126.0	126.4	125.0	123.6	122.6	122.6	120.2	119.8	119.8	117.9	119.8
55°	96.4	95.9	96.4	95.4	95.4	94.0	94.0	92.6	92.6	91.1	92.1
57.5°	70.6	71.6	70.6	71.1	72.1	70.6	70.1	68.7	69.7	68.7	69.2
60°	54.9	54.9	54.9	54.4	54.4	53.9	53.9	53.4	53.4	52.5	53.4
62.5°	40.6	41.0	41.0	41.0	41.5	41.0	40.6	41.0	40.6	40.6	41.0
65°	26.7	27.2	27.2	26.7	27.7	26.7	27.2	27.7	28.1	27.7	28.1
67.5°	18.1	18.1	18.6	19.1	18.6	19.1	19.6	19.1	19.6	20.5	19.6
70°	13.4	13.8	13.8	13.4	12.9	13.4	12.9	14.3	14.3	14.3	15.3
72.5°	8.6	8.6	8.1	8.1	8.1	8.1	8.1	9.5	8.6	8.1	9.1
75°	4.8	5.2	5.2	3.8	4.3	5.2	3.8	4.3	5.7	4.8	5.7
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	3.8	3.3	3.3	3.3	3.8
80°	2.4	1.9	1.9	1.4	1.9	1.9	1.9	2.9	2.4	2.4	2.9
82.5°	1.0	1.0	0.5	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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: P245949

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2	977.2
2.5°	976.2	976.2	975.7	974.8	972.9	972.9	972.4	971.0	970.0	969.5	969.5
5°	971.4	969.5	967.6	962.4	962.4	961.4	958.6	956.7	955.7	953.3	952.4
7.5°	967.2	961.4	958.1	954.7	950.5	948.5	945.2	943.8	940.4	938.1	936.6
10°	956.7	952.8	948.5	943.3	940.0	936.2	932.3	929.5	925.2	922.8	920.9
12.5°	949.5	943.8	940.0	934.2	928.5	925.2	919.9	916.6	912.3	907.5	904.6
15°	942.8	936.6	931.4	925.2	919.0	915.2	909.0	905.1	898.9	894.2	890.8
17.5°	932.8	927.5	921.8	914.2	908.5	903.7	897.0	892.3	886.5	880.3	877.0
20°	922.3	916.1	910.4	902.7	897.0	891.3	884.6	879.4	872.7	867.0	863.2
22.5°	908.5	901.3	896.5	888.9	882.2	876.0	869.8	863.6	857.4	852.6	848.3
25°	888.4	880.8	875.5	869.3	863.2	858.4	850.7	846.9	840.7	836.4	832.1
27.5°	859.8	854.1	849.3	843.1	837.9	834.0	828.3	824.5	819.2	815.4	812.1
30°	817.8	813.1	808.8	802.5	798.7	795.4	790.1	786.8	783.0	778.7	777.7
32.5°	761.5	757.7	753.4	749.1	746.2	744.3	740.0	738.1	734.3	731.9	729.5
35°	676.6	673.2	670.9	669.0	668.0	668.5	667.5	669.4	670.4	669.9	670.4
37.5°	565.4	563.5	564.5	565.9	570.7	576.9	582.6	591.2	596.9	602.6	607.9
40°	441.4	442.8	446.6	455.2	467.6	481.4	494.3	510.5	526.8	538.2	548.7
42.5°	333.0	337.3	346.9	359.3	377.9	398.4	418.5	442.3	461.9	480.9	494.3
45°	250.5	256.2	268.6	285.8	306.3	330.2	355.5	382.2	405.6	425.1	439.9
47.5°	195.2	200.4	212.8	230.9	256.2	281.0	307.3	334.9	359.3	378.4	391.3
50°	154.1	160.8	171.8	190.9	216.2	242.4	269.6	296.8	319.7	335.9	347.4
52.5°	121.2	127.4	137.9	157.9	183.7	209.9	235.2	262.0	282.0	297.7	305.4
55°	94.0	99.7	110.7	127.4	151.7	177.5	202.8	225.7	244.3	255.7	262.9
57.5°	71.6	75.9	83.5	100.2	122.2	146.0	167.5	190.4	204.7	212.8	217.6
60°	54.4	57.7	65.9	78.7	98.8	119.3	137.4	154.6	166.1	172.7	177.5
62.5°	41.0	44.9	50.6	61.5	76.8	93.5	108.8	121.7	131.2	135.5	138.9
65°	28.1	31.0	35.3	43.9	56.8	68.7	80.6	90.2	96.4	101.2	103.1
67.5°	21.0	22.9	25.3	32.0	41.0	50.6	58.7	65.4	72.1	74.0	77.3
70°	15.8	17.2	19.6	24.3	29.6	36.3	43.0	46.8	51.5	54.9	55.8
72.5°	10.0	10.5	12.9	15.8	20.0	24.3	28.6	32.0	34.8	36.7	37.7
75°	5.7	8.6	8.6	11.4	14.3	16.2	19.1	21.5	22.9	24.3	24.3
77.5°	3.8	5.2	5.7	7.1	8.6	11.0	13.4	14.8	16.2	16.7	16.7
80°	3.3	3.8	3.8	5.2	6.2	8.1	9.5	10.0	11.0	11.4	12.4
82.5°	1.4	1.9	2.4	3.8	4.3	4.3	5.7	6.2	7.1	7.6	7.6
85°	0.5	1.0	1.0	1.4	2.4	2.9	3.3	3.8	4.3	4.3	4.8
87.5°	0.5	0.5	0.0	0.5	1.0	1.0	1.9	1.9	1.9	2.9	2.9
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: P245949

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	977.2	977.2	977.2	977.2	977.2	977.2	977.2
2.5°	968.6	969.1	967.2	966.7	965.7	966.2	967.2
5°	950.9	951.4	949.5	947.6	947.6	947.1	947.6
7.5°	934.2	934.7	931.9	930.9	929.0	929.5	929.5
10°	917.5	917.5	913.3	912.8	911.3	910.9	910.9
12.5°	901.3	899.9	896.5	894.6	895.6	892.7	892.7
15°	887.0	884.6	880.3	878.9	876.5	875.5	875.5
17.5°	872.2	870.3	866.5	863.6	860.8	860.3	860.8
20°	857.9	856.0	851.2	849.3	846.9	846.9	846.0
22.5°	843.6	841.7	837.4	836.0	832.6	832.6	833.1
25°	828.8	827.3	822.6	821.6	821.2	819.2	820.2
27.5°	808.8	807.8	804.0	802.5	800.6	800.2	801.1
30°	772.0	770.6	767.7	766.3	763.0	763.4	764.4
32.5°	726.2	724.3	720.5	719.0	716.2	715.2	715.7
35°	669.0	667.5	664.2	664.2	661.3	660.4	661.3
37.5°	610.7	612.2	610.7	612.2	610.7	610.3	610.7
40°	555.9	561.1	562.1	567.3	565.4	568.3	567.8
42.5°	503.4	512.0	515.3	519.6	518.7	520.6	522.0
45°	450.4	457.6	460.9	463.8	464.3	465.2	465.7
47.5°	400.3	406.0	406.5	409.9	409.4	409.4	410.8
50°	353.6	357.4	358.3	360.7	358.8	357.8	358.3
52.5°	310.1	314.0	313.0	314.0	311.6	310.6	311.1
55°	265.8	267.7	267.7	267.7	264.8	264.8	264.8
57.5°	220.4	220.9	220.0	220.4	220.0	217.1	216.6
60°	178.9	178.9	178.4	178.9	177.5	176.1	176.1
62.5°	139.8	140.8	142.7	140.8	139.8	140.8	139.3
65°	104.5	106.4	105.9	106.9	106.4	106.4	105.4
67.5°	78.7	79.2	79.7	80.2	80.2	80.2	80.2
70°	57.7	59.2	58.7	58.7	58.7	58.7	61.5
72.5°	38.7	40.6	40.1	41.0	41.0	42.0	41.0
75°	26.2	28.1	27.2	28.6	28.1	27.2	29.6
77.5°	17.7	18.6	19.1	19.6	19.1	18.6	19.1
80°	12.4	13.4	12.9	13.4	13.4	13.4	13.8
82.5°	7.6	9.1	8.6	9.1	8.6	9.1	9.1
85°	5.2	5.7	4.8	5.7	5.2	5.2	6.2
87.5°	3.3	2.9	2.9	3.3	2.9	3.3	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)