

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: P245876

Luminaire Tested: **LD8B20D010 ER8B20927 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245876  
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: LD8B20D010 ER8B20927 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1590.7 lumens  
Efficiency: N/A  
Efficacy: 74.7 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

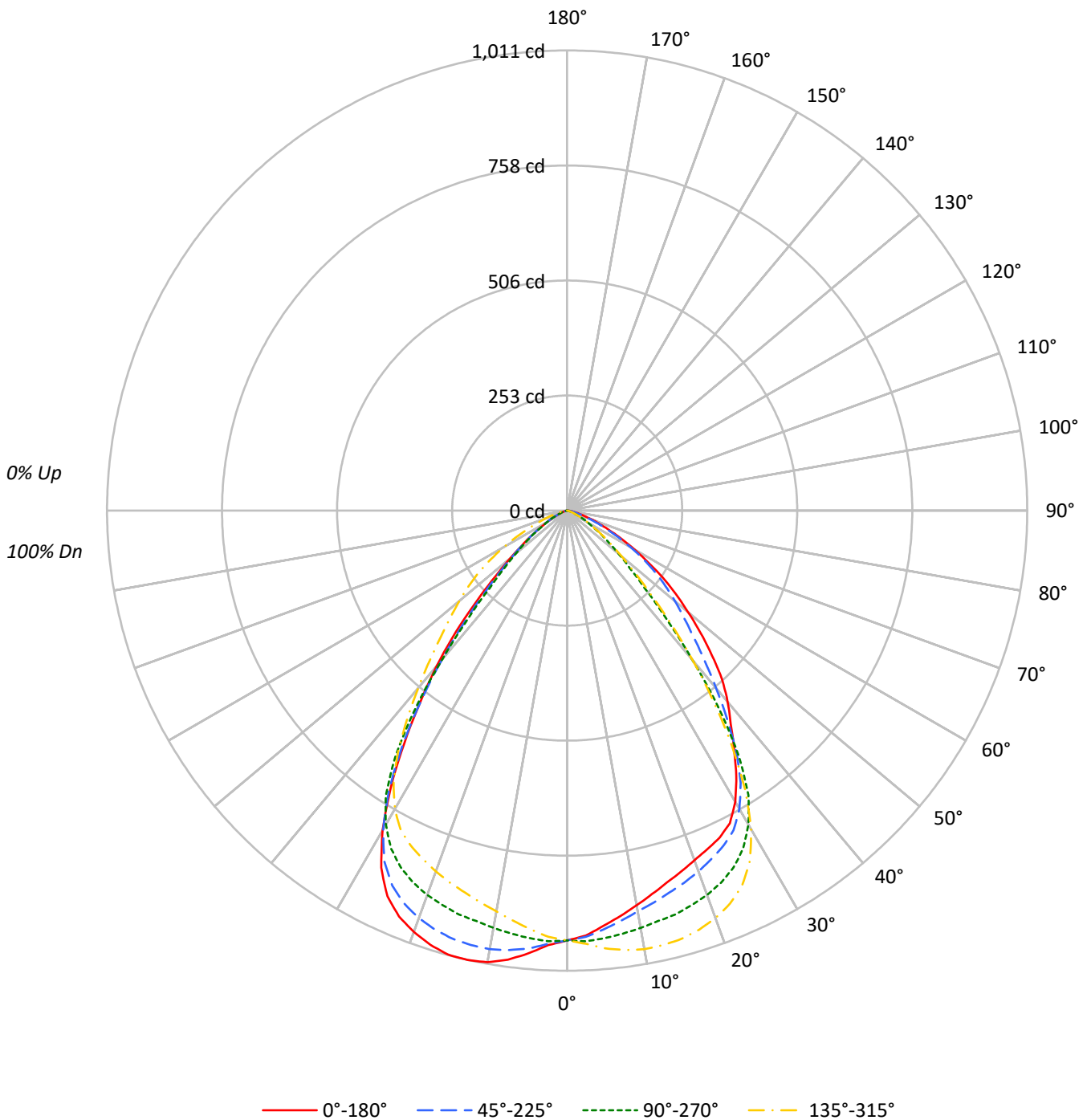
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	89.9	5.7
10°-20°	260.3	16.4
20°-30°	394.1	24.8
30°-40°	395.0	24.8
40°-50°	248.1	15.6
50°-60°	132.2	8.3
60°-70°	54.4	3.4
70°-80°	14.4	0.9
80°-90°	2.4	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°	744.3	46.8
0°-40°	1139.4	71.6
0°-60°	1519.6	95.5
0°-90°	1590.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1590.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	944	944	944	944	944	
5°	916	943	977	943	916	86
15°	846	919	1010	919	846	239
25°	793	865	935	865	793	364
35°	639	657	624	657	639	400
45°	450	241	279	241	450	346
55°	256	89	94	89	256	228
65°	102	27	25	27	102	106
75°	29	6	5	6	29	32
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°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	934.6	933.8	933.3	934.2	934.6	936.6	936.1	937.0	937.0	937.5	938.4
5°	915.8	915.3	915.8	915.8	917.7	919.5	919.0	920.4	921.3	923.6	924.5
7.5°	898.3	898.3	897.8	899.7	900.6	903.4	902.8	905.2	906.5	908.9	912.0
10°	880.3	880.3	880.8	882.1	882.6	886.7	886.7	890.0	891.8	894.2	898.3
12.5°	862.8	862.8	865.6	864.6	866.5	869.6	871.1	874.2	877.0	881.7	885.8
15°	846.1	846.1	847.1	849.4	850.7	854.9	857.2	861.0	864.1	868.7	874.8
17.5°	831.8	831.4	831.8	834.6	837.4	841.0	843.0	847.6	850.7	856.8	862.3
20°	817.5	818.6	818.6	820.8	822.6	827.2	829.1	834.2	837.9	843.4	849.8
22.5°	805.2	804.7	804.7	807.9	809.3	813.4	815.3	819.9	824.1	828.7	834.6
25°	792.7	791.8	793.6	794.0	794.9	799.5	801.0	804.2	808.3	812.5	818.6
27.5°	774.2	773.3	773.8	775.6	777.0	780.6	781.6	784.8	788.1	791.8	796.8
30°	738.7	737.8	737.3	740.6	741.9	744.8	746.1	751.6	752.5	756.7	760.4
32.5°	691.6	691.2	692.1	694.9	696.3	700.0	701.8	705.0	707.4	709.6	713.4
35°	639.1	638.2	639.1	641.9	641.9	645.1	646.5	647.9	647.4	647.9	647.0
37.5°	590.3	589.7	590.3	591.6	590.3	591.6	590.3	587.5	582.4	576.9	571.3
40°	548.8	549.2	546.4	548.3	543.2	542.2	537.2	530.3	520.2	509.1	493.4
42.5°	504.4	503.1	501.3	502.2	498.0	494.8	486.4	477.7	464.8	446.4	427.5
45°	450.1	449.6	448.6	448.2	445.5	442.2	435.3	425.1	410.8	392.0	369.3
47.5°	397.0	395.7	395.7	396.1	392.8	392.4	386.9	378.1	365.6	347.2	323.7
50°	346.3	345.8	346.7	348.6	346.3	345.4	341.7	335.7	324.7	308.9	286.8
52.5°	300.6	300.2	301.2	303.4	302.5	303.4	299.7	295.1	287.8	272.5	253.1
55°	255.9	255.9	255.9	258.6	258.6	258.6	256.8	254.1	247.2	236.1	218.1
57.5°	209.4	209.8	212.6	213.1	212.6	213.5	213.1	210.3	205.6	197.8	184.0
60°	170.2	170.2	171.6	172.9	172.5	172.9	172.9	171.6	167.0	160.4	149.4
62.5°	134.7	136.0	135.1	136.0	137.9	136.0	135.1	134.2	131.0	126.8	117.6
65°	101.9	102.8	102.8	103.3	102.4	102.8	101.0	99.6	97.8	93.1	87.2
67.5°	77.5	77.5	77.5	77.5	77.0	76.5	76.0	74.7	71.4	69.6	63.1
70°	59.5	56.7	56.7	56.7	56.7	57.2	55.8	54.0	53.0	49.8	45.2
72.5°	39.6	40.6	39.6	39.6	38.7	39.2	37.4	36.4	35.6	33.6	30.9
75°	28.6	26.3	27.2	27.7	26.3	27.2	25.3	23.5	23.5	22.2	20.7
77.5°	18.4	18.0	18.4	18.9	18.4	18.0	17.1	16.1	16.1	15.6	14.3
80°	13.4	12.9	12.9	12.9	12.5	12.9	12.0	12.0	11.0	10.6	9.7
82.5°	8.8	8.8	8.3	8.8	8.3	8.8	7.4	7.4	7.4	6.9	6.0
85°	6.0	5.1	5.1	5.5	4.6	5.5	5.1	4.6	4.2	4.2	3.7
87.5°	2.8	3.3	2.8	3.3	2.8	2.8	3.3	2.8	2.8	1.8	1.8
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°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	939.7	940.3	940.3	942.1	943.0	943.4	943.4	947.1	945.8	946.7	947.6
5°	926.4	929.1	930.0	930.0	935.1	937.0	938.8	943.0	943.4	946.2	949.5
7.5°	913.5	916.6	918.6	922.7	925.9	929.1	934.6	937.5	940.3	943.9	948.0
10°	901.0	904.7	908.4	911.6	916.6	920.8	924.5	931.0	934.2	939.3	944.9
12.5°	889.1	894.2	897.3	902.8	908.4	912.0	917.7	923.6	928.7	933.8	940.3
15°	878.4	884.5	888.1	894.2	900.1	905.2	911.1	918.6	922.3	928.2	934.2
17.5°	866.9	873.3	878.0	883.5	890.9	896.4	901.5	908.9	913.5	919.9	926.9
20°	854.9	861.4	866.9	872.4	879.9	885.4	891.3	898.8	903.8	910.2	915.8
22.5°	840.6	846.7	852.6	859.0	866.5	871.1	878.0	884.5	890.0	896.0	901.5
25°	822.2	829.6	834.2	840.2	846.1	851.2	858.6	865.0	869.6	875.2	880.3
27.5°	800.6	806.1	809.8	814.8	820.8	825.4	830.9	837.4	842.1	847.1	850.7
30°	763.6	768.7	772.0	775.6	781.6	785.8	790.4	796.4	799.5	803.2	806.5
32.5°	715.2	719.3	721.2	723.9	728.1	732.3	736.0	741.0	742.4	744.8	744.8
35°	645.1	646.0	645.5	646.5	648.3	650.6	653.8	657.1	658.9	658.9	657.6
37.5°	563.1	557.6	551.5	546.9	545.5	544.6	546.4	547.8	549.7	550.6	548.3
40°	477.7	465.3	451.9	439.9	431.7	428.0	426.5	427.5	427.5	430.6	430.6
42.5°	404.4	385.1	365.2	347.2	335.2	326.0	321.9	321.9	322.3	324.7	326.0
45°	343.6	319.0	296.0	276.2	259.7	247.6	242.1	240.8	240.3	241.2	244.4
47.5°	297.0	271.6	247.6	223.2	205.6	193.7	188.5	186.8	185.0	186.8	187.2
50°	260.6	234.2	208.9	184.5	166.0	155.4	149.0	146.1	145.7	145.7	146.6
52.5°	227.4	203.0	177.5	152.7	133.3	123.1	117.1	115.8	113.8	115.8	115.8
55°	196.0	171.6	146.6	123.1	107.0	96.4	90.8	89.0	88.1	89.4	89.4
57.5°	161.9	141.1	118.0	96.9	80.7	73.4	69.2	66.8	66.4	67.3	66.4
60°	132.8	115.3	95.4	76.0	63.7	55.8	52.5	51.6	50.7	51.6	51.6
62.5°	105.1	90.3	74.2	59.5	48.8	43.3	39.6	39.6	39.2	39.2	39.6
65°	78.0	66.4	54.9	42.4	34.1	29.9	27.2	27.2	26.8	27.2	26.8
67.5°	56.7	48.8	39.6	30.9	24.4	22.2	20.2	18.9	19.8	18.9	18.4
70°	41.5	35.0	28.6	23.5	18.9	16.7	15.2	14.7	13.8	13.8	13.8
72.5°	27.7	23.5	19.3	15.2	12.5	10.1	9.7	8.8	7.9	8.3	9.2
75°	18.4	15.6	13.8	11.0	8.3	8.3	5.5	5.5	4.6	5.5	4.2
77.5°	12.9	10.6	8.3	6.9	5.5	5.1	3.7	3.7	3.3	3.3	3.3
80°	9.2	7.9	6.0	5.1	3.7	3.7	3.3	2.8	2.2	2.2	2.8
82.5°	5.5	4.2	4.2	3.7	2.2	1.8	1.3	1.8	0.9	0.9	0.9
85°	3.3	2.8	2.2	1.3	0.9	0.9	0.4	0.0	0.4	0.4	0.0
87.5°	1.8	0.9	0.9	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.9
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	950.0	949.5	950.4	950.4	953.1	952.6	954.1	954.1	953.1	953.6	955.5
5°	953.1	954.6	957.3	959.6	963.8	965.6	968.0	970.2	970.6	972.0	973.5
7.5°	953.1	957.7	961.0	965.1	970.6	973.9	979.0	983.1	984.9	987.3	990.0
10°	951.3	955.9	961.9	966.5	973.5	978.5	983.6	990.0	992.8	996.5	1000.1
12.5°	947.6	952.6	959.2	965.1	973.0	977.6	984.0	990.0	994.2	999.2	1003.4
15°	942.1	948.0	954.1	960.1	968.4	973.9	979.9	986.8	990.9	996.5	1000.1
17.5°	933.3	939.7	945.3	950.8	958.7	965.1	970.6	977.1	981.2	985.8	990.9
20°	922.7	928.7	934.6	939.3	947.1	952.6	958.7	964.7	968.0	968.8	976.6
22.5°	909.3	913.5	918.1	925.4	930.0	935.1	940.7	946.2	949.5	954.6	957.3
25°	887.2	891.3	896.4	899.7	905.2	909.3	914.8	920.8	922.7	926.4	929.1
27.5°	856.4	858.6	861.0	863.7	866.9	869.2	872.4	875.2	877.0	878.8	880.8
30°	807.4	807.4	807.4	805.6	807.0	808.3	808.8	808.3	808.3	807.9	807.9
32.5°	742.8	739.2	735.1	731.4	730.0	728.1	727.2	725.8	723.5	722.1	722.6
35°	655.8	647.4	642.4	637.8	634.1	631.2	629.9	628.5	628.1	626.2	624.4
37.5°	546.9	540.9	537.2	534.5	531.2	528.4	528.9	529.4	530.8	529.9	530.3
40°	431.7	430.2	431.7	428.4	427.5	428.4	430.6	433.9	435.7	437.6	440.9
42.5°	328.3	330.6	333.9	333.9	335.2	337.0	339.9	344.9	347.6	350.9	354.6
45°	247.2	250.0	254.1	255.5	256.4	258.6	261.9	266.1	267.9	270.7	273.9
47.5°	190.5	192.3	194.6	196.9	199.2	200.1	203.4	203.4	205.6	207.6	208.5
50°	148.5	150.3	152.2	153.6	154.5	155.8	156.8	158.2	158.6	159.5	160.0
52.5°	116.2	118.5	118.5	119.5	120.8	122.2	121.7	122.2	122.6	122.6	124.1
55°	90.8	90.8	92.2	92.2	93.1	92.7	93.1	93.1	93.1	93.1	93.6
57.5°	67.7	68.3	69.6	68.7	68.3	69.2	68.3	69.2	68.7	69.6	68.3
60°	52.1	52.1	52.5	52.5	53.0	53.0	53.0	52.5	52.5	52.1	52.1
62.5°	39.2	39.6	40.2	39.6	39.6	39.6	39.2	39.2	38.7	38.2	38.2
65°	26.3	25.9	26.8	25.9	26.3	26.3	25.9	26.3	24.9	25.3	24.9
67.5°	18.9	18.4	18.0	18.4	18.0	17.6	17.6	18.0	18.4	17.1	17.1
70°	12.5	12.9	12.5	12.9	13.4	13.4	12.9	12.5	12.9	12.0	12.5
72.5°	7.9	7.9	7.9	7.9	7.9	8.3	8.3	8.3	7.4	7.4	6.9
75°	3.7	5.1	4.2	3.7	5.1	5.1	4.6	4.6	4.2	4.2	4.2
77.5°	3.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.2	2.8	2.2
80°	1.8	1.8	1.8	1.3	1.8	1.8	2.2	1.8	1.8	1.3	2.2
82.5°	0.9	0.9	0.9	0.0	0.4	0.9	0.9	0.4	0.9	0.9	0.4
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°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	955.0	954.6	955.0	955.5	955.0	954.6	955.0	955.5	953.6	953.1	954.1
5°	975.3	975.3	976.2	976.6	976.2	975.3	975.3	973.5	972.0	970.6	970.2
7.5°	992.8	993.7	994.6	995.1	994.6	993.7	992.8	990.0	987.3	984.9	983.1
10°	1003.4	1004.7	1006.6	1007.6	1006.6	1004.7	1003.4	1000.1	996.5	992.8	990.0
12.5°	1008.0	1009.4	1011.7	1011.3	1011.7	1009.4	1008.0	1003.4	999.2	994.2	990.0
15°	1004.7	1006.6	1008.9	1009.9	1008.9	1006.6	1004.7	1000.1	996.5	990.9	986.8
17.5°	994.6	997.4	998.8	1000.1	998.8	997.4	994.6	990.9	985.8	981.2	977.1
20°	980.8	982.7	984.5	984.9	984.5	982.7	980.8	976.6	968.8	968.0	964.7
22.5°	961.0	962.3	966.5	965.1	966.5	962.3	961.0	957.3	954.6	949.5	946.2
25°	932.4	933.8	934.2	934.6	934.2	933.8	932.4	929.1	926.4	922.7	920.8
27.5°	883.0	883.0	883.9	884.5	883.9	883.0	883.0	880.8	878.8	877.0	875.2
30°	808.3	808.3	808.3	810.7	808.3	808.3	808.3	807.9	807.9	808.3	808.3
32.5°	722.1	721.2	720.2	721.2	720.2	721.2	722.1	722.6	722.1	723.5	725.8
35°	624.4	623.9	625.3	623.5	625.3	623.9	624.4	624.4	626.2	628.1	628.5
37.5°	530.8	529.9	531.7	529.9	531.7	529.9	530.8	530.3	529.9	530.8	529.4
40°	441.8	442.7	442.7	446.4	442.7	442.7	441.8	440.9	437.6	435.7	433.9
42.5°	356.4	359.2	358.3	361.0	358.3	359.2	356.4	354.6	350.9	347.6	344.9
45°	275.7	277.7	277.7	278.6	277.7	277.7	275.7	273.9	270.7	267.9	266.1
47.5°	211.6	211.6	211.6	212.2	211.6	211.6	211.6	208.5	207.6	205.6	203.4
50°	161.0	161.4	161.9	162.3	161.9	161.4	161.0	160.0	159.5	158.6	158.2
52.5°	123.5	124.1	123.1	124.1	123.1	124.1	123.5	124.1	122.6	122.6	122.2
55°	93.6	93.1	93.6	94.0	93.6	93.1	93.6	93.6	93.1	93.1	93.1
57.5°	68.7	67.7	67.7	67.7	67.7	67.7	68.7	68.3	69.6	68.7	69.2
60°	51.2	51.6	51.6	52.1	51.6	51.6	51.2	52.1	52.1	52.5	52.5
62.5°	37.8	39.2	38.2	39.2	38.2	39.2	37.8	38.2	38.2	38.7	39.2
65°	24.4	24.4	24.4	24.9	24.4	24.4	24.4	24.9	25.3	24.9	26.3
67.5°	16.7	17.1	18.0	17.6	18.0	17.1	16.7	17.1	17.1	18.4	18.0
70°	13.4	12.0	12.0	13.4	12.0	12.0	13.4	12.5	12.0	12.9	12.5
72.5°	7.9	6.9	7.9	7.9	7.9	6.9	7.9	6.9	7.4	7.4	8.3
75°	4.2	3.7	3.3	4.6	3.3	3.7	4.2	4.2	4.2	4.2	4.6
77.5°	2.8	2.2	3.3	3.3	3.3	2.2	2.8	2.2	2.8	2.2	2.8
80°	1.3	1.8	1.3	2.2	1.3	1.8	1.3	2.2	1.3	1.8	1.8
82.5°	0.4	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.9	0.9	0.4
85°	0.0	0.9	0.4	0.4	0.4	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.4	0.0	0.0	0.4	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: P245876

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	954.1	952.6	953.1	950.4	950.4	949.5	950.0	947.6	946.7	945.8	947.1
5°	968.0	965.6	963.8	959.6	957.3	954.6	953.1	949.5	946.2	943.4	943.0
7.5°	979.0	973.9	970.6	965.1	961.0	957.7	953.1	948.0	943.9	940.3	937.5
10°	983.6	978.5	973.5	966.5	961.9	955.9	951.3	944.9	939.3	934.2	931.0
12.5°	984.0	977.6	973.0	965.1	959.2	952.6	947.6	940.3	933.8	928.7	923.6
15°	979.9	973.9	968.4	960.1	954.1	948.0	942.1	934.2	928.2	922.3	918.6
17.5°	970.6	965.1	958.7	950.8	945.3	939.7	933.3	926.9	919.9	913.5	908.9
20°	958.7	952.6	947.1	939.3	934.6	928.7	922.7	915.8	910.2	903.8	898.8
22.5°	940.7	935.1	930.0	925.4	918.1	913.5	909.3	901.5	896.0	890.0	884.5
25°	914.8	909.3	905.2	899.7	896.4	891.3	887.2	880.3	875.2	869.6	865.0
27.5°	872.4	869.2	866.9	863.7	861.0	858.6	856.4	850.7	847.1	842.1	837.4
30°	808.8	808.3	807.0	805.6	807.4	807.4	807.4	806.5	803.2	799.5	796.4
32.5°	727.2	728.1	730.0	731.4	735.1	739.2	742.8	744.8	744.8	742.4	741.0
35°	629.9	631.2	634.1	637.8	642.4	647.4	655.8	657.6	658.9	658.9	657.1
37.5°	528.9	528.4	531.2	534.5	537.2	540.9	546.9	548.3	550.6	549.7	547.8
40°	430.6	428.4	427.5	428.4	431.7	430.2	431.7	430.6	430.6	427.5	427.5
42.5°	339.9	337.0	335.2	333.9	333.9	330.6	328.3	326.0	324.7	322.3	321.9
45°	261.9	258.6	256.4	255.5	254.1	250.0	247.2	244.4	241.2	240.3	240.8
47.5°	203.4	200.1	199.2	196.9	194.6	192.3	190.5	187.2	186.8	185.0	186.8
50°	156.8	155.8	154.5	153.6	152.2	150.3	148.5	146.6	145.7	145.7	146.1
52.5°	121.7	122.2	120.8	119.5	118.5	118.5	116.2	115.8	115.8	113.8	115.8
55°	93.1	92.7	93.1	92.2	92.2	90.8	90.8	89.4	89.4	88.1	89.0
57.5°	68.3	69.2	68.3	68.7	69.6	68.3	67.7	66.4	67.3	66.4	66.8
60°	53.0	53.0	53.0	52.5	52.5	52.1	52.1	51.6	51.6	50.7	51.6
62.5°	39.2	39.6	39.6	39.6	40.2	39.6	39.2	39.6	39.2	39.2	39.6
65°	25.9	26.3	26.3	25.9	26.8	25.9	26.3	26.8	27.2	26.8	27.2
67.5°	17.6	17.6	18.0	18.4	18.0	18.4	18.9	18.4	18.9	19.8	18.9
70°	12.9	13.4	13.4	12.9	12.5	12.9	12.5	13.8	13.8	13.8	14.7
72.5°	8.3	8.3	7.9	7.9	7.9	7.9	7.9	9.2	8.3	7.9	8.8
75°	4.6	5.1	5.1	3.7	4.2	5.1	3.7	4.2	5.5	4.6	5.5
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	3.7	3.3	3.3	3.3	3.7
80°	2.2	1.8	1.8	1.3	1.8	1.8	1.8	2.8	2.2	2.2	2.8
82.5°	0.9	0.9	0.4	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	943.4	943.4	943.0	942.1	940.3	940.3	939.7	938.4	937.5	937.0	937.0
5°	938.8	937.0	935.1	930.0	930.0	929.1	926.4	924.5	923.6	921.3	920.4
7.5°	934.6	929.1	925.9	922.7	918.6	916.6	913.5	912.0	908.9	906.5	905.2
10°	924.5	920.8	916.6	911.6	908.4	904.7	901.0	898.3	894.2	891.8	890.0
12.5°	917.7	912.0	908.4	902.8	897.3	894.2	889.1	885.8	881.7	877.0	874.2
15°	911.1	905.2	900.1	894.2	888.1	884.5	878.4	874.8	868.7	864.1	861.0
17.5°	901.5	896.4	890.9	883.5	878.0	873.3	866.9	862.3	856.8	850.7	847.6
20°	891.3	885.4	879.9	872.4	866.9	861.4	854.9	849.8	843.4	837.9	834.2
22.5°	878.0	871.1	866.5	859.0	852.6	846.7	840.6	834.6	828.7	824.1	819.9
25°	858.6	851.2	846.1	840.2	834.2	829.6	822.2	818.6	812.5	808.3	804.2
27.5°	830.9	825.4	820.8	814.8	809.8	806.1	800.6	796.8	791.8	788.1	784.8
30°	790.4	785.8	781.6	775.6	772.0	768.7	763.6	760.4	756.7	752.5	751.6
32.5°	736.0	732.3	728.1	723.9	721.2	719.3	715.2	713.4	709.6	707.4	705.0
35°	653.8	650.6	648.3	646.5	645.5	646.0	645.1	647.0	647.9	647.4	647.9
37.5°	546.4	544.6	545.5	546.9	551.5	557.6	563.1	571.3	576.9	582.4	587.5
40°	426.5	428.0	431.7	439.9	451.9	465.3	477.7	493.4	509.1	520.2	530.3
42.5°	321.9	326.0	335.2	347.2	365.2	385.1	404.4	427.5	446.4	464.8	477.7
45°	242.1	247.6	259.7	276.2	296.0	319.0	343.6	369.3	392.0	410.8	425.1
47.5°	188.5	193.7	205.6	223.2	247.6	271.6	297.0	323.7	347.2	365.6	378.1
50°	149.0	155.4	166.0	184.5	208.9	234.2	260.6	286.8	308.9	324.7	335.7
52.5°	117.1	123.1	133.3	152.7	177.5	203.0	227.4	253.1	272.5	287.8	295.1
55°	90.8	96.4	107.0	123.1	146.6	171.6	196.0	218.1	236.1	247.2	254.1
57.5°	69.2	73.4	80.7	96.9	118.0	141.1	161.9	184.0	197.8	205.6	210.3
60°	52.5	55.8	63.7	76.0	95.4	115.3	132.8	149.4	160.4	167.0	171.6
62.5°	39.6	43.3	48.8	59.5	74.2	90.3	105.1	117.6	126.8	131.0	134.2
65°	27.2	29.9	34.1	42.4	54.9	66.4	78.0	87.2	93.1	97.8	99.6
67.5°	20.2	22.2	24.4	30.9	39.6	48.8	56.7	63.1	69.6	71.4	74.7
70°	15.2	16.7	18.9	23.5	28.6	35.0	41.5	45.2	49.8	53.0	54.0
72.5°	9.7	10.1	12.5	15.2	19.3	23.5	27.7	30.9	33.6	35.6	36.4
75°	5.5	8.3	8.3	11.0	13.8	15.6	18.4	20.7	22.2	23.5	23.5
77.5°	3.7	5.1	5.5	6.9	8.3	10.6	12.9	14.3	15.6	16.1	16.1
80°	3.3	3.7	3.7	5.1	6.0	7.9	9.2	9.7	10.6	11.0	12.0
82.5°	1.3	1.8	2.2	3.7	4.2	4.2	5.5	6.0	6.9	7.4	7.4
85°	0.4	0.9	0.9	1.3	2.2	2.8	3.3	3.7	4.2	4.2	4.6
87.5°	0.4	0.4	0.0	0.4	0.9	0.9	1.8	1.8	1.8	2.8	2.8
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: P245876

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	936.1	936.6	934.6	934.2	933.3	933.8	934.6
5°	919.0	919.5	917.7	915.8	915.8	915.3	915.8
7.5°	902.8	903.4	900.6	899.7	897.8	898.3	898.3
10°	886.7	886.7	882.6	882.1	880.8	880.3	880.3
12.5°	871.1	869.6	866.5	864.6	865.6	862.8	862.8
15°	857.2	854.9	850.7	849.4	847.1	846.1	846.1
17.5°	843.0	841.0	837.4	834.6	831.8	831.4	831.8
20°	829.1	827.2	822.6	820.8	818.6	818.6	817.5
22.5°	815.3	813.4	809.3	807.9	804.7	804.7	805.2
25°	801.0	799.5	794.9	794.0	793.6	791.8	792.7
27.5°	781.6	780.6	777.0	775.6	773.8	773.3	774.2
30°	746.1	744.8	741.9	740.6	737.3	737.8	738.7
32.5°	701.8	700.0	696.3	694.9	692.1	691.2	691.6
35°	646.5	645.1	641.9	641.9	639.1	638.2	639.1
37.5°	590.3	591.6	590.3	591.6	590.3	589.7	590.3
40°	537.2	542.2	543.2	548.3	546.4	549.2	548.8
42.5°	486.4	494.8	498.0	502.2	501.3	503.1	504.4
45°	435.3	442.2	445.5	448.2	448.6	449.6	450.1
47.5°	386.9	392.4	392.8	396.1	395.7	395.7	397.0
50°	341.7	345.4	346.3	348.6	346.7	345.8	346.3
52.5°	299.7	303.4	302.5	303.4	301.2	300.2	300.6
55°	256.8	258.6	258.6	258.6	255.9	255.9	255.9
57.5°	213.1	213.5	212.6	213.1	212.6	209.8	209.4
60°	172.9	172.9	172.5	172.9	171.6	170.2	170.2
62.5°	135.1	136.0	137.9	136.0	135.1	136.0	134.7
65°	101.0	102.8	102.4	103.3	102.8	102.8	101.9
67.5°	76.0	76.5	77.0	77.5	77.5	77.5	77.5
70°	55.8	57.2	56.7	56.7	56.7	56.7	59.5
72.5°	37.4	39.2	38.7	39.6	39.6	40.6	39.6
75°	25.3	27.2	26.3	27.7	27.2	26.3	28.6
77.5°	17.1	18.0	18.4	18.9	18.4	18.0	18.4
80°	12.0	12.9	12.5	12.9	12.9	12.9	13.4
82.5°	7.4	8.8	8.3	8.8	8.3	8.8	8.8
85°	5.1	5.5	4.6	5.5	5.1	5.1	6.0
87.5°	3.3	2.8	2.8	3.3	2.8	3.3	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)