

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: P246026

Luminaire Tested: **LD8B20D010 ER8B209730 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246026  
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 ER8B209730 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1599.0 lumens  
Efficiency: N/A  
Efficacy: 75.1 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

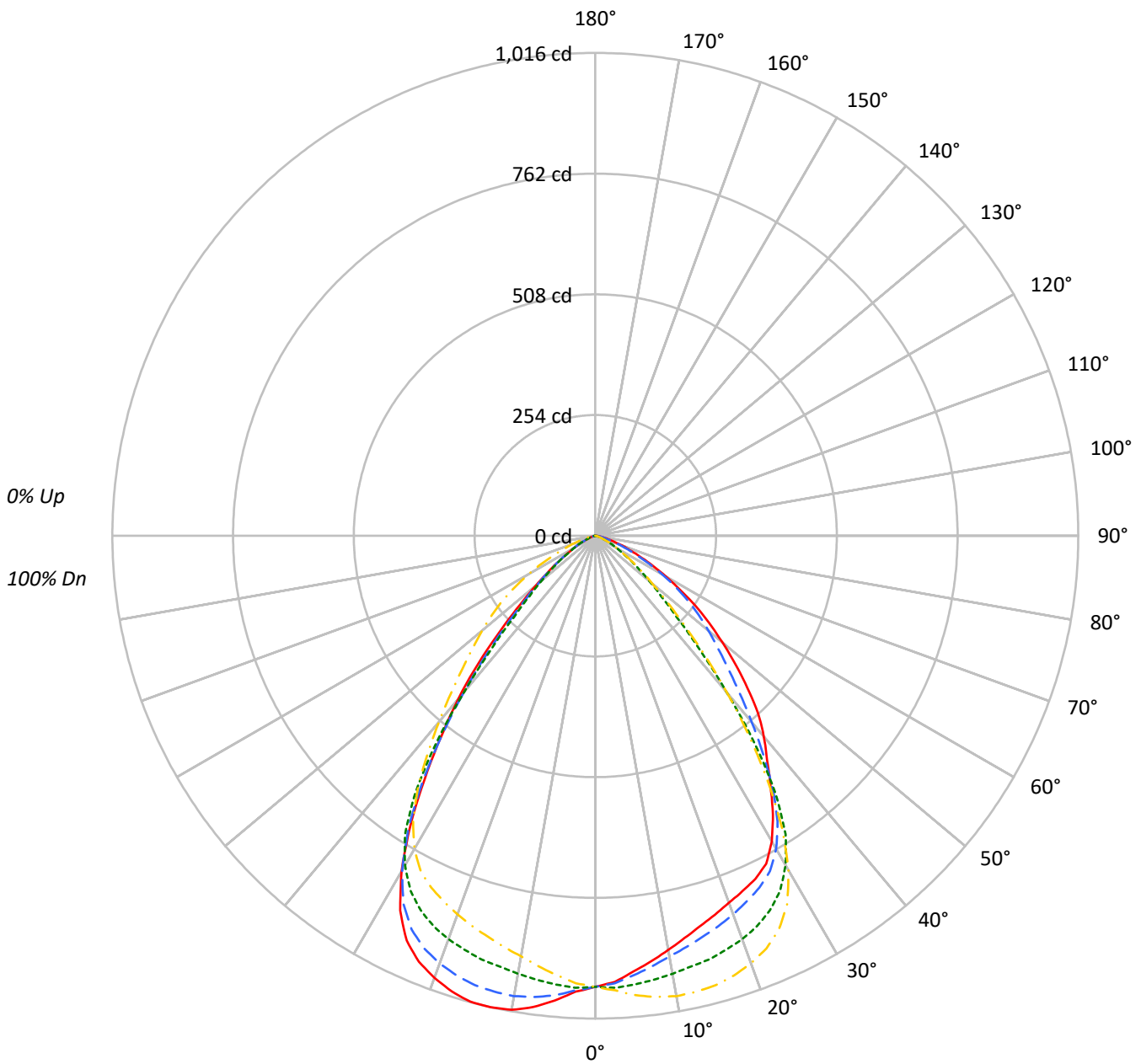
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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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°	90.4	5.7
10°-20°	261.6	16.4
20°-30°	396.2	24.8
30°-40°	397.1	24.8
40°-50°	249.3	15.6
50°-60°	132.9	8.3
60°-70°	54.6	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°	748.2	46.8
0°-40°	1145.3	71.6
0°-60°	1527.5	95.5
0°-90°	1599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1599.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	949	949	949	949	949	
5°	920	948	982	948	920	87
15°	850	923	1015	923	850	241
25°	797	870	940	870	797	365
35°	642	660	627	660	642	402
45°	452	242	280	242	452	348
55°	257	90	95	90	257	229
65°	102	27	25	27	102	106
75°	29	6	5	6	29	33
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°	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3
2.5°	939.5	938.6	938.2	939.1	939.5	941.4	940.9	941.9	941.9	942.3	943.2
5°	920.5	920.1	920.5	920.5	922.4	924.2	923.8	925.2	926.1	928.4	929.3
7.5°	902.9	902.9	902.5	904.3	905.2	908.0	907.6	909.9	911.3	913.6	916.8
10°	884.8	884.8	885.3	886.7	887.2	891.3	891.3	894.6	896.4	898.8	902.9
12.5°	867.2	867.2	870.0	869.1	870.9	874.2	875.6	878.8	881.6	886.2	890.4
15°	850.5	850.5	851.5	853.8	855.2	859.4	861.7	865.4	868.6	873.3	879.3
17.5°	836.2	835.7	836.2	839.0	841.7	845.4	847.3	851.9	855.2	861.2	866.8
20°	821.8	822.7	822.7	825.1	826.9	831.5	833.4	838.5	842.2	847.8	854.3
22.5°	809.3	808.8	808.8	812.1	813.5	817.6	819.5	824.1	828.3	832.9	839.0
25°	796.8	795.8	797.7	798.2	799.1	803.7	805.1	808.4	812.5	816.7	822.7
27.5°	778.2	777.3	777.8	779.6	781.0	784.7	785.7	788.9	792.1	795.8	801.0
30°	742.5	741.6	741.2	744.4	745.8	748.6	750.0	755.5	756.4	760.6	764.3
32.5°	695.3	694.8	695.7	698.5	699.9	703.6	705.5	708.7	711.0	713.3	717.1
35°	642.4	641.5	642.4	645.2	645.2	648.5	649.9	651.2	650.8	651.2	650.3
37.5°	593.3	592.8	593.3	594.7	593.3	594.7	593.3	590.5	585.4	579.9	574.3
40°	551.6	552.0	549.3	551.1	546.0	545.1	540.0	533.0	522.8	511.7	496.0
42.5°	507.1	505.7	503.8	504.8	500.6	497.3	489.0	480.2	467.2	448.7	429.7
45°	452.4	451.9	451.0	450.5	447.8	444.5	437.5	427.4	413.0	394.0	371.3
47.5°	399.1	397.7	397.7	398.2	394.9	394.5	388.9	380.1	367.6	349.0	325.4
50°	348.1	347.6	348.6	350.4	348.1	347.2	343.5	337.4	326.3	310.6	288.3
52.5°	302.2	301.7	302.7	305.0	304.1	305.0	301.3	296.7	289.2	273.9	254.5
55°	257.3	257.3	257.3	260.0	260.0	260.0	258.2	255.4	248.4	237.3	219.3
57.5°	210.4	210.9	213.7	214.1	213.7	214.6	214.1	211.4	206.7	198.9	184.9
60°	171.0	171.0	172.4	173.8	173.3	173.8	173.8	172.4	167.8	161.3	150.2
62.5°	135.3	136.7	135.8	136.7	138.6	136.7	135.8	134.9	131.6	127.5	118.2
65°	102.4	103.4	103.4	103.8	102.9	103.4	101.5	100.1	98.3	93.6	87.6
67.5°	77.9	77.9	77.9	77.9	77.4	76.9	76.5	75.1	71.9	70.0	63.5
70°	59.8	57.0	57.0	57.0	57.0	57.5	56.1	54.2	53.3	50.1	45.4
72.5°	39.9	40.8	39.9	39.9	38.9	39.4	37.5	36.6	35.7	33.8	31.1
75°	28.7	26.4	27.3	27.8	26.4	27.3	25.5	23.6	23.6	22.2	20.9
77.5°	18.5	18.1	18.5	19.0	18.5	18.1	17.2	16.2	16.2	15.8	14.4
80°	13.5	13.0	13.0	13.0	12.5	13.0	12.1	12.1	11.1	10.7	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	5.6	4.6	5.6	5.1	4.6	4.2	4.2	3.7
87.5°	2.8	3.2	2.8	3.2	2.8	2.8	3.2	2.8	2.8	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°	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3
2.5°	944.6	945.1	945.1	947.0	947.9	948.3	948.3	952.1	950.7	951.6	952.5
5°	931.2	934.0	934.9	934.9	940.0	941.9	943.7	947.9	948.3	951.1	954.4
7.5°	918.2	921.5	923.3	927.5	930.7	934.0	939.5	942.3	945.1	948.8	953.0
10°	905.7	909.4	913.1	916.4	921.5	925.6	929.3	935.8	939.1	944.2	949.7
12.5°	893.7	898.8	902.0	907.6	913.1	916.8	922.4	928.4	933.5	938.6	945.1
15°	883.0	889.0	892.7	898.8	904.8	909.9	915.9	923.3	927.0	933.1	939.1
17.5°	871.4	877.9	882.5	888.1	895.5	901.1	906.2	913.6	918.2	924.7	931.7
20°	859.4	865.8	871.4	877.0	884.4	889.9	896.0	903.4	908.5	915.0	920.5
22.5°	845.0	851.0	857.0	863.5	870.9	875.6	882.5	889.0	894.6	900.6	906.2
25°	826.4	833.9	838.5	844.5	850.5	855.6	863.1	869.5	874.2	879.8	884.8
27.5°	804.7	810.2	813.9	819.0	825.1	829.7	835.2	841.7	846.4	851.5	855.2
30°	767.6	772.7	775.9	779.6	785.7	789.8	794.5	800.5	803.7	807.4	810.7
32.5°	718.9	723.1	724.9	727.7	731.9	736.1	739.8	744.9	746.3	748.6	748.6
35°	648.5	649.4	648.9	649.9	651.7	654.0	657.3	660.5	662.4	662.4	661.0
37.5°	565.9	560.4	554.4	549.7	548.3	547.4	549.3	550.6	552.5	553.4	551.1
40°	480.2	467.7	454.2	442.2	433.8	430.1	428.8	429.7	429.7	432.9	432.9
42.5°	406.5	387.0	367.1	349.0	337.0	327.7	323.5	323.5	324.0	326.3	327.7
45°	345.3	320.7	297.6	277.7	261.0	248.9	243.3	242.0	241.5	242.4	245.7
47.5°	298.5	273.0	248.9	224.3	206.7	194.7	189.6	187.7	185.9	187.7	188.2
50°	261.9	235.5	210.0	185.4	166.9	156.2	149.7	146.9	146.5	146.5	147.4
52.5°	228.5	204.0	178.5	153.4	134.0	123.8	117.7	116.3	114.5	116.3	116.3
55°	197.0	172.4	147.4	123.8	107.5	96.9	91.3	89.5	88.5	89.9	89.9
57.5°	162.7	141.8	118.7	97.3	81.1	73.7	69.5	67.2	66.7	67.7	66.7
60°	133.5	115.9	95.9	76.5	64.0	56.1	52.8	51.9	51.0	51.9	51.9
62.5°	105.7	90.9	74.6	59.8	49.1	43.6	39.9	39.9	39.4	39.4	39.9
65°	78.3	66.7	55.2	42.6	34.3	30.1	27.3	27.3	26.9	27.3	26.9
67.5°	57.0	49.1	39.9	31.1	24.6	22.2	20.4	19.0	19.9	19.0	18.5
70°	41.7	35.2	28.7	23.6	19.0	16.7	15.3	14.8	13.9	13.9	13.9
72.5°	27.8	23.6	19.5	15.3	12.5	10.2	9.7	8.8	7.9	8.3	9.3
75°	18.5	15.8	13.9	11.1	8.3	8.3	5.6	5.6	4.6	5.6	4.2
77.5°	13.0	10.7	8.3	6.9	5.6	5.1	3.7	3.7	3.2	3.2	3.2
80°	9.3	7.9	6.0	5.1	3.7	3.7	3.2	2.8	2.3	2.3	2.8
82.5°	5.6	4.2	4.2	3.7	2.3	1.9	1.4	1.9	0.9	0.9	0.9
85°	3.2	2.8	2.3	1.4	0.9	0.9	0.5	0.0	0.5	0.5	0.0
87.5°	1.9	0.9	0.9	0.5	0.0	0.5	0.5	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°	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3
2.5°	954.8	954.4	955.3	955.3	958.1	957.6	959.0	959.0	958.1	958.5	960.4
5°	958.1	959.5	962.2	964.6	968.7	970.6	972.9	975.2	975.7	977.1	978.5
7.5°	958.1	962.7	966.0	970.1	975.7	978.9	984.0	988.2	990.1	992.4	995.2
10°	956.2	960.9	966.9	971.5	978.5	983.6	988.7	995.2	997.9	1001.6	1005.4
12.5°	952.5	957.6	964.1	970.1	978.0	982.6	989.1	995.2	999.3	1004.4	1008.6
15°	947.0	953.0	959.0	965.0	973.4	978.9	985.0	991.9	996.1	1001.6	1005.4
17.5°	938.2	944.6	950.2	955.8	963.6	970.1	975.7	982.2	986.4	991.0	996.1
20°	927.5	933.5	939.5	944.2	952.1	957.6	963.6	969.7	972.9	973.8	981.7
22.5°	914.1	918.2	922.9	930.3	934.9	940.0	945.6	951.1	954.4	959.5	962.2
25°	891.8	896.0	901.1	904.3	909.9	914.1	919.6	925.6	927.5	931.2	934.0
27.5°	860.8	863.1	865.4	868.2	871.4	873.7	877.0	879.8	881.6	883.5	885.3
30°	811.6	811.6	811.6	809.8	811.1	812.5	813.0	812.5	812.5	812.1	812.1
32.5°	746.7	743.0	738.8	735.1	733.7	731.9	731.0	729.6	727.3	725.9	726.3
35°	659.1	650.8	645.7	641.0	637.3	634.6	633.2	631.8	631.3	629.5	627.6
37.5°	549.7	543.7	540.0	537.2	534.0	531.2	531.6	532.1	533.5	532.6	533.0
40°	433.8	432.5	433.8	430.6	429.7	430.6	432.9	436.2	438.0	439.9	443.1
42.5°	330.0	332.3	335.6	335.6	337.0	338.8	341.6	346.7	349.5	352.7	356.4
45°	248.4	251.2	255.4	256.8	257.7	260.0	263.3	267.4	269.3	272.1	275.3
47.5°	191.4	193.3	195.6	197.9	200.2	201.2	204.4	204.4	206.7	208.6	209.5
50°	149.3	151.1	153.0	154.3	155.3	156.7	157.6	159.0	159.4	160.4	160.8
52.5°	116.8	119.1	119.1	120.0	121.4	122.8	122.4	122.8	123.3	123.3	124.7
55°	91.3	91.3	92.7	92.7	93.6	93.2	93.6	93.6	93.6	93.6	94.1
57.5°	68.1	68.6	70.0	69.1	68.6	69.5	68.6	69.5	69.1	70.0	68.6
60°	52.4	52.4	52.8	52.8	53.3	53.3	53.3	52.8	52.8	52.4	52.4
62.5°	39.4	39.9	40.3	39.9	39.9	39.9	39.4	39.4	38.9	38.5	38.5
65°	26.4	26.0	26.9	26.0	26.4	26.4	26.0	26.4	25.0	25.5	25.0
67.5°	19.0	18.5	18.1	18.5	18.1	17.6	17.6	18.1	18.5	17.2	17.2
70°	12.5	13.0	12.5	13.0	13.5	13.5	13.0	12.5	13.0	12.1	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	2.3	2.8	2.3
80°	1.9	1.9	1.9	1.4	1.9	1.9	2.3	1.9	1.9	1.4	2.3
82.5°	0.9	0.9	0.9	0.0	0.5	0.9	0.9	0.5	0.9	0.9	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°	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3
2.5°	959.9	959.5	959.9	960.4	959.9	959.5	959.9	960.4	958.5	958.1	959.0
5°	980.3	980.3	981.3	981.7	981.3	980.3	980.3	978.5	977.1	975.7	975.2
7.5°	997.9	998.9	999.8	1000.3	999.8	998.9	997.9	995.2	992.4	990.1	988.2
10°	1008.6	1010.0	1011.9	1012.8	1011.9	1010.0	1008.6	1005.4	1001.6	997.9	995.2
12.5°	1013.2	1014.6	1016.9	1016.5	1016.9	1014.6	1013.2	1008.6	1004.4	999.3	995.2
15°	1010.0	1011.9	1014.2	1015.1	1014.2	1011.9	1010.0	1005.4	1001.6	996.1	991.9
17.5°	999.8	1002.6	1004.0	1005.4	1004.0	1002.6	999.8	996.1	991.0	986.4	982.2
20°	985.9	987.8	989.6	990.1	989.6	987.8	985.9	981.7	973.8	972.9	969.7
22.5°	966.0	967.4	971.5	970.1	971.5	967.4	966.0	962.2	959.5	954.4	951.1
25°	937.2	938.6	939.1	939.5	939.1	938.6	937.2	934.0	931.2	927.5	925.6
27.5°	887.6	887.6	888.5	889.0	888.5	887.6	887.6	885.3	883.5	881.6	879.8
30°	812.5	812.5	812.5	814.9	812.5	812.5	812.5	812.1	812.1	812.5	812.5
32.5°	725.9	724.9	724.0	724.9	724.0	724.9	725.9	726.3	725.9	727.3	729.6
35°	627.6	627.1	628.5	626.7	628.5	627.1	627.6	627.6	629.5	631.3	631.8
37.5°	533.5	532.6	534.4	532.6	534.4	532.6	533.5	533.0	532.6	533.5	532.1
40°	444.1	445.0	445.0	448.7	445.0	445.0	444.1	443.1	439.9	438.0	436.2
42.5°	358.3	361.1	360.1	362.9	360.1	361.1	358.3	356.4	352.7	349.5	346.7
45°	277.2	279.0	279.0	280.0	279.0	279.0	277.2	275.3	272.1	269.3	267.4
47.5°	212.7	212.7	212.7	213.2	212.7	212.7	212.7	209.5	208.6	206.7	204.4
50°	161.8	162.2	162.7	163.2	162.7	162.2	161.8	160.8	160.4	159.4	159.0
52.5°	124.2	124.7	123.8	124.7	123.8	124.7	124.2	124.7	123.3	123.3	122.8
55°	94.1	93.6	94.1	94.6	94.1	93.6	94.1	94.1	93.6	93.6	93.6
57.5°	69.1	68.1	68.1	68.1	68.1	68.1	69.1	68.6	70.0	69.1	69.5
60°	51.5	51.9	51.9	52.4	51.9	51.9	51.5	52.4	52.4	52.8	52.8
62.5°	38.0	39.4	38.5	39.4	38.5	39.4	38.0	38.5	38.5	38.9	39.4
65°	24.6	24.6	24.6	25.0	24.6	24.6	24.6	25.0	25.5	25.0	26.4
67.5°	16.7	17.2	18.1	17.6	18.1	17.2	16.7	17.2	17.2	18.5	18.1
70°	13.5	12.1	12.1	13.5	12.1	12.1	13.5	12.5	12.1	13.0	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	3.2	4.6	3.2	3.7	4.2	4.2	4.2	4.2	4.6
77.5°	2.8	2.3	3.2	3.2	3.2	2.3	2.8	2.3	2.8	2.3	2.8
80°	1.4	1.9	1.4	2.3	1.4	1.9	1.4	2.3	1.4	1.9	1.9
82.5°	0.5	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.9	0.9	0.5
85°	0.0	0.9	0.5	0.5	0.5	0.9	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



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3
2.5°	959.0	957.6	958.1	955.3	955.3	954.4	954.8	952.5	951.6	950.7	952.1
5°	972.9	970.6	968.7	964.6	962.2	959.5	958.1	954.4	951.1	948.3	947.9
7.5°	984.0	978.9	975.7	970.1	966.0	962.7	958.1	953.0	948.8	945.1	942.3
10°	988.7	983.6	978.5	971.5	966.9	960.9	956.2	949.7	944.2	939.1	935.8
12.5°	989.1	982.6	978.0	970.1	964.1	957.6	952.5	945.1	938.6	933.5	928.4
15°	985.0	978.9	973.4	965.0	959.0	953.0	947.0	939.1	933.1	927.0	923.3
17.5°	975.7	970.1	963.6	955.8	950.2	944.6	938.2	931.7	924.7	918.2	913.6
20°	963.6	957.6	952.1	944.2	939.5	933.5	927.5	920.5	915.0	908.5	903.4
22.5°	945.6	940.0	934.9	930.3	922.9	918.2	914.1	906.2	900.6	894.6	889.0
25°	919.6	914.1	909.9	904.3	901.1	896.0	891.8	884.8	879.8	874.2	869.5
27.5°	877.0	873.7	871.4	868.2	865.4	863.1	860.8	855.2	851.5	846.4	841.7
30°	813.0	812.5	811.1	809.8	811.6	811.6	811.6	810.7	807.4	803.7	800.5
32.5°	731.0	731.9	733.7	735.1	738.8	743.0	746.7	748.6	748.6	746.3	744.9
35°	633.2	634.6	637.3	641.0	645.7	650.8	659.1	661.0	662.4	662.4	660.5
37.5°	531.6	531.2	534.0	537.2	540.0	543.7	549.7	551.1	553.4	552.5	550.6
40°	432.9	430.6	429.7	430.6	433.8	432.5	433.8	432.9	432.9	429.7	429.7
42.5°	341.6	338.8	337.0	335.6	335.6	332.3	330.0	327.7	326.3	324.0	323.5
45°	263.3	260.0	257.7	256.8	255.4	251.2	248.4	245.7	242.4	241.5	242.0
47.5°	204.4	201.2	200.2	197.9	195.6	193.3	191.4	188.2	187.7	185.9	187.7
50°	157.6	156.7	155.3	154.3	153.0	151.1	149.3	147.4	146.5	146.5	146.9
52.5°	122.4	122.8	121.4	120.0	119.1	119.1	116.8	116.3	116.3	114.5	116.3
55°	93.6	93.2	93.6	92.7	92.7	91.3	91.3	89.9	89.9	88.5	89.5
57.5°	68.6	69.5	68.6	69.1	70.0	68.6	68.1	66.7	67.7	66.7	67.2
60°	53.3	53.3	53.3	52.8	52.8	52.4	52.4	51.9	51.9	51.0	51.9
62.5°	39.4	39.9	39.9	39.9	40.3	39.9	39.4	39.9	39.4	39.4	39.9
65°	26.0	26.4	26.4	26.0	26.9	26.0	26.4	26.9	27.3	26.9	27.3
67.5°	17.6	17.6	18.1	18.5	18.1	18.5	19.0	18.5	19.0	19.9	19.0
70°	13.0	13.5	13.5	13.0	12.5	13.0	12.5	13.9	13.9	13.9	14.8
72.5°	8.3	8.3	7.9	7.9	7.9	7.9	7.9	9.3	8.3	7.9	8.8
75°	4.6	5.1	5.1	3.7	4.2	5.1	3.7	4.2	5.6	4.6	5.6
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	3.7	3.2	3.2	3.2	3.7
80°	2.3	1.9	1.9	1.4	1.9	1.9	1.9	2.8	2.3	2.3	2.8
82.5°	0.9	0.9	0.5	0.0	0.9	0.9	0.9	0.9	0.9	0.9	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	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°	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3	949.3
2.5°	948.3	948.3	947.9	947.0	945.1	945.1	944.6	943.2	942.3	941.9	941.9
5°	943.7	941.9	940.0	934.9	934.9	934.0	931.2	929.3	928.4	926.1	925.2
7.5°	939.5	934.0	930.7	927.5	923.3	921.5	918.2	916.8	913.6	911.3	909.9
10°	929.3	925.6	921.5	916.4	913.1	909.4	905.7	902.9	898.8	896.4	894.6
12.5°	922.4	916.8	913.1	907.6	902.0	898.8	893.7	890.4	886.2	881.6	878.8
15°	915.9	909.9	904.8	898.8	892.7	889.0	883.0	879.3	873.3	868.6	865.4
17.5°	906.2	901.1	895.5	888.1	882.5	877.9	871.4	866.8	861.2	855.2	851.9
20°	896.0	889.9	884.4	877.0	871.4	865.8	859.4	854.3	847.8	842.2	838.5
22.5°	882.5	875.6	870.9	863.5	857.0	851.0	845.0	839.0	832.9	828.3	824.1
25°	863.1	855.6	850.5	844.5	838.5	833.9	826.4	822.7	816.7	812.5	808.4
27.5°	835.2	829.7	825.1	819.0	813.9	810.2	804.7	801.0	795.8	792.1	788.9
30°	794.5	789.8	785.7	779.6	775.9	772.7	767.6	764.3	760.6	756.4	755.5
32.5°	739.8	736.1	731.9	727.7	724.9	723.1	718.9	717.1	713.3	711.0	708.7
35°	657.3	654.0	651.7	649.9	648.9	649.4	648.5	650.3	651.2	650.8	651.2
37.5°	549.3	547.4	548.3	549.7	554.4	560.4	565.9	574.3	579.9	585.4	590.5
40°	428.8	430.1	433.8	442.2	454.2	467.7	480.2	496.0	511.7	522.8	533.0
42.5°	323.5	327.7	337.0	349.0	367.1	387.0	406.5	429.7	448.7	467.2	480.2
45°	243.3	248.9	261.0	277.7	297.6	320.7	345.3	371.3	394.0	413.0	427.4
47.5°	189.6	194.7	206.7	224.3	248.9	273.0	298.5	325.4	349.0	367.6	380.1
50°	149.7	156.2	166.9	185.4	210.0	235.5	261.9	288.3	310.6	326.3	337.4
52.5°	117.7	123.8	134.0	153.4	178.5	204.0	228.5	254.5	273.9	289.2	296.7
55°	91.3	96.9	107.5	123.8	147.4	172.4	197.0	219.3	237.3	248.4	255.4
57.5°	69.5	73.7	81.1	97.3	118.7	141.8	162.7	184.9	198.9	206.7	211.4
60°	52.8	56.1	64.0	76.5	95.9	115.9	133.5	150.2	161.3	167.8	172.4
62.5°	39.9	43.6	49.1	59.8	74.6	90.9	105.7	118.2	127.5	131.6	134.9
65°	27.3	30.1	34.3	42.6	55.2	66.7	78.3	87.6	93.6	98.3	100.1
67.5°	20.4	22.2	24.6	31.1	39.9	49.1	57.0	63.5	70.0	71.9	75.1
70°	15.3	16.7	19.0	23.6	28.7	35.2	41.7	45.4	50.1	53.3	54.2
72.5°	9.7	10.2	12.5	15.3	19.5	23.6	27.8	31.1	33.8	35.7	36.6
75°	5.6	8.3	8.3	11.1	13.9	15.8	18.5	20.9	22.2	23.6	23.6
77.5°	3.7	5.1	5.6	6.9	8.3	10.7	13.0	14.4	15.8	16.2	16.2
80°	3.2	3.7	3.7	5.1	6.0	7.9	9.3	9.7	10.7	11.1	12.1
82.5°	1.4	1.9	2.3	3.7	4.2	4.2	5.6	6.0	6.9	7.4	7.4
85°	0.5	0.9	0.9	1.4	2.3	2.8	3.2	3.7	4.2	4.2	4.6
87.5°	0.5	0.5	0.0	0.5	0.9	0.9	1.9	1.9	1.9	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: P246026

CATALOG NUMBER: LD8B20D010 ER8B209730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	949.3	949.3	949.3	949.3	949.3	949.3	949.3
2.5°	940.9	941.4	939.5	939.1	938.2	938.6	939.5
5°	923.8	924.2	922.4	920.5	920.5	920.1	920.5
7.5°	907.6	908.0	905.2	904.3	902.5	902.9	902.9
10°	891.3	891.3	887.2	886.7	885.3	884.8	884.8
12.5°	875.6	874.2	870.9	869.1	870.0	867.2	867.2
15°	861.7	859.4	855.2	853.8	851.5	850.5	850.5
17.5°	847.3	845.4	841.7	839.0	836.2	835.7	836.2
20°	833.4	831.5	826.9	825.1	822.7	822.7	821.8
22.5°	819.5	817.6	813.5	812.1	808.8	808.8	809.3
25°	805.1	803.7	799.1	798.2	797.7	795.8	796.8
27.5°	785.7	784.7	781.0	779.6	777.8	777.3	778.2
30°	750.0	748.6	745.8	744.4	741.2	741.6	742.5
32.5°	705.5	703.6	699.9	698.5	695.7	694.8	695.3
35°	649.9	648.5	645.2	645.2	642.4	641.5	642.4
37.5°	593.3	594.7	593.3	594.7	593.3	592.8	593.3
40°	540.0	545.1	546.0	551.1	549.3	552.0	551.6
42.5°	489.0	497.3	500.6	504.8	503.8	505.7	507.1
45°	437.5	444.5	447.8	450.5	451.0	451.9	452.4
47.5°	388.9	394.5	394.9	398.2	397.7	397.7	399.1
50°	343.5	347.2	348.1	350.4	348.6	347.6	348.1
52.5°	301.3	305.0	304.1	305.0	302.7	301.7	302.2
55°	258.2	260.0	260.0	260.0	257.3	257.3	257.3
57.5°	214.1	214.6	213.7	214.1	213.7	210.9	210.4
60°	173.8	173.8	173.3	173.8	172.4	171.0	171.0
62.5°	135.8	136.7	138.6	136.7	135.8	136.7	135.3
65°	101.5	103.4	102.9	103.8	103.4	103.4	102.4
67.5°	76.5	76.9	77.4	77.9	77.9	77.9	77.9
70°	56.1	57.5	57.0	57.0	57.0	57.0	59.8
72.5°	37.5	39.4	38.9	39.9	39.9	40.8	39.9
75°	25.5	27.3	26.4	27.8	27.3	26.4	28.7
77.5°	17.2	18.1	18.5	19.0	18.5	18.1	18.5
80°	12.1	13.0	12.5	13.0	13.0	13.0	13.5
82.5°	7.4	8.8	8.3	8.8	8.3	8.8	8.8
85°	5.1	5.6	4.6	5.6	5.1	5.1	6.0
87.5°	3.2	2.8	2.8	3.2	2.8	3.2	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)