

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: P244975

Luminaire Tested: **LD8B15D010 ER8B15850 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244975  
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 ER8B15850 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1551.0 lumens  
Efficiency: N/A  
Efficacy: 107.7 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

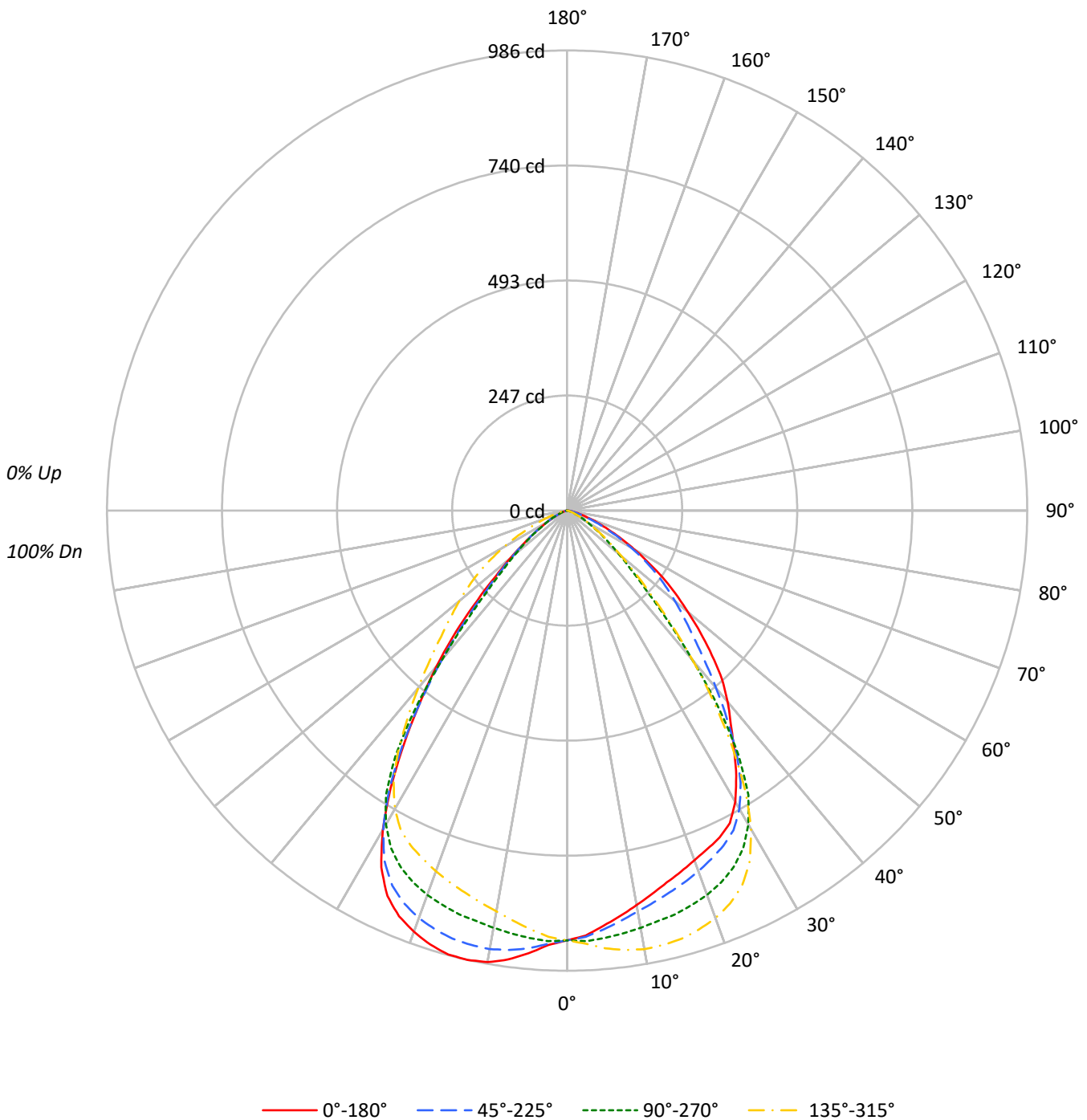
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	28394	28394	28394	28394
5°	27639	28459	29478	28459
10°	26875	28422	30761	28422
15°	26337	28591	31432	28591
20°	26157	28756	31513	28756
25°	26297	28696	31006	28696
30°	25644	27649	28144	27649
35°	23456	24119	22884	24119
40°	21536	16778	17519	16778
45°	19136	10235	11844	10235
50°	16196	6836	7594	6836
55°	13413	4666	4930	4666
60°	10231	3108	3133	3108
65°	7253	1934	1773	1934
70°	5229	1298	1172	1298
75°	3324	643	536	643
80°	2309	479	391	479
85°	2052	0	142	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.6	5.7
10°-20°	253.8	16.4
20°-30°	384.3	24.8
30°-40°	385.2	24.8
40°-50°	241.9	15.6
50°-60°	128.9	8.3
60°-70°	53.0	3.4
70°-80°	14.0	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°	725.7	46.8
0°-40°	1110.9	71.6
0°-60°	1481.6	95.5
0°-90°	1551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1551.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	921	921	921	921	921	
5°	893	919	952	919	893	84
15°	825	896	985	896	825	233
25°	773	843	911	843	773	354
35°	623	641	608	641	623	390
45°	439	235	272	235	439	337
55°	250	87	92	87	250	222
65°	99	26	24	26	99	103
75°	28	5	4	5	28	32
85°	6	0	0	0	6	6
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°	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8
2.5°	911.3	910.4	910.0	910.9	911.3	913.1	912.7	913.6	913.6	914.0	914.9
5°	892.9	892.4	892.9	892.9	894.7	896.5	896.1	897.4	898.3	900.6	901.4
7.5°	875.8	875.8	875.4	877.2	878.1	880.8	880.3	882.6	883.9	886.2	889.3
10°	858.3	858.3	858.7	860.1	860.5	864.6	864.6	867.7	869.5	871.8	875.8
12.5°	841.2	841.2	843.9	843.0	844.8	847.9	849.3	852.4	855.1	859.6	863.7
15°	825.0	825.0	825.9	828.2	829.5	833.6	835.8	839.4	842.6	847.1	852.9
17.5°	811.1	810.6	811.1	813.8	816.5	820.1	821.9	826.4	829.5	835.4	840.8
20°	797.1	798.0	798.0	800.3	802.1	806.6	808.4	813.3	816.9	822.3	828.6
22.5°	785.0	784.6	784.6	787.7	789.1	793.1	794.9	799.4	803.4	807.9	813.8
25°	772.9	772.0	773.8	774.2	775.1	779.6	780.9	784.1	788.1	792.2	798.0
27.5°	754.9	754.0	754.4	756.2	757.6	761.2	762.1	765.2	768.4	772.0	776.9
30°	720.2	719.4	718.9	722.1	723.4	726.1	727.4	732.9	733.7	737.8	741.4
32.5°	674.4	673.9	674.9	677.5	678.9	682.5	684.3	687.4	689.7	691.9	695.5
35°	623.1	622.2	623.1	625.9	625.9	629.0	630.3	631.7	631.2	631.7	630.8
37.5°	575.5	575.0	575.5	576.8	575.5	576.8	575.5	572.8	567.9	562.4	557.0
40°	535.0	535.5	532.8	534.6	529.6	528.7	523.8	517.0	507.2	496.4	481.1
42.5°	491.9	490.5	488.7	489.6	485.6	482.4	474.3	465.8	453.2	435.2	416.8
45°	438.8	438.4	437.5	437.0	434.3	431.2	424.4	414.5	400.6	382.2	360.1
47.5°	387.1	385.8	385.8	386.2	383.1	382.6	377.2	368.7	356.5	338.5	315.6
50°	337.6	337.2	338.1	339.9	337.6	336.8	333.2	327.3	316.5	301.2	279.6
52.5°	293.1	292.7	293.6	295.8	294.9	295.8	292.2	287.7	280.5	265.7	246.8
55°	249.5	249.5	249.5	252.2	252.2	252.2	250.4	247.7	241.0	230.2	212.7
57.5°	204.1	204.6	207.3	207.7	207.3	208.2	207.7	205.0	200.5	192.9	179.4
60°	165.9	165.9	167.3	168.6	168.1	168.6	168.6	167.3	162.8	156.5	145.7
62.5°	131.3	132.6	131.7	132.6	134.4	132.6	131.7	130.8	127.7	123.6	114.6
65°	99.4	100.3	100.3	100.7	99.8	100.3	98.5	97.1	95.3	90.8	85.0
67.5°	75.5	75.5	75.5	75.5	75.1	74.6	74.2	72.8	69.7	67.9	61.6
70°	58.0	55.3	55.3	55.3	55.3	55.8	54.4	52.6	51.7	48.6	44.1
72.5°	38.7	39.6	38.7	38.7	37.8	38.2	36.4	35.5	34.6	32.8	30.1
75°	27.9	25.6	26.5	27.0	25.6	26.5	24.7	22.9	22.9	21.6	20.2
77.5°	18.0	17.5	18.0	18.4	18.0	17.5	16.6	15.7	15.7	15.3	13.9
80°	13.0	12.6	12.6	12.6	12.1	12.6	11.7	11.7	10.8	10.3	9.4
82.5°	8.5	8.5	8.1	8.5	8.1	8.5	7.2	7.2	7.2	6.7	5.8
85°	5.8	4.9	4.9	5.4	4.5	5.4	4.9	4.5	4.1	4.1	3.6
87.5°	2.7	3.1	2.7	3.1	2.7	2.7	3.1	2.7	2.7	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°	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8
2.5°	916.3	916.7	916.7	918.5	919.4	919.9	919.9	923.5	922.1	923.0	923.9
5°	903.3	905.9	906.8	906.8	911.8	913.6	915.4	919.4	919.9	922.6	925.7
7.5°	890.7	893.8	895.6	899.6	902.8	905.9	911.3	914.0	916.7	920.3	924.4
10°	878.5	882.1	885.7	888.9	893.8	897.9	901.4	907.7	910.9	915.8	921.2
12.5°	866.8	871.8	874.9	880.3	885.7	889.3	894.7	900.6	905.5	910.4	916.7
15°	856.5	862.3	865.9	871.8	877.6	882.6	888.4	895.6	899.2	905.0	910.9
17.5°	845.2	851.5	856.0	861.4	868.6	874.0	879.0	886.2	890.7	896.9	903.7
20°	833.6	839.9	845.2	850.6	857.8	863.2	869.1	876.3	881.2	887.5	892.9
22.5°	819.6	825.5	831.3	837.6	844.8	849.3	856.0	862.3	867.7	873.6	879.0
25°	801.6	808.8	813.3	819.2	825.0	830.0	837.2	843.4	847.9	853.3	858.3
27.5°	780.5	785.9	789.5	794.4	800.3	804.8	810.2	816.5	821.0	825.9	829.5
30°	744.5	749.5	752.6	756.2	762.1	766.1	770.6	776.5	779.6	783.2	786.4
32.5°	697.3	701.4	703.2	705.9	709.9	714.0	717.6	722.5	723.9	726.1	726.1
35°	629.0	629.9	629.4	630.3	632.1	634.4	637.5	640.7	642.5	642.5	641.1
37.5°	549.0	543.6	537.7	533.2	531.9	531.0	532.8	534.1	535.9	536.8	534.6
40°	465.8	453.7	440.6	428.9	420.8	417.2	415.9	416.8	416.8	419.9	419.9
42.5°	394.3	375.4	356.1	338.5	326.9	317.9	313.8	313.8	314.3	316.5	317.9
45°	335.0	311.1	288.6	269.3	253.1	241.4	236.0	234.7	234.2	235.1	238.3
47.5°	289.5	264.8	241.4	217.6	200.5	188.8	183.9	182.1	180.3	182.1	182.5
50°	254.0	228.4	203.7	179.8	161.9	151.5	145.2	142.5	142.1	142.1	143.0
52.5°	221.6	197.8	173.1	148.8	129.9	120.0	114.2	112.8	111.1	112.8	112.8
55°	191.1	167.3	143.0	120.0	104.3	94.0	88.6	86.8	85.9	87.2	87.2
57.5°	157.8	137.6	115.1	94.4	78.7	71.5	67.4	65.2	64.7	65.6	64.7
60°	129.5	112.4	93.1	74.2	62.1	54.4	51.3	50.4	49.4	50.4	50.4
62.5°	102.5	88.1	72.4	58.0	47.7	42.3	38.7	38.7	38.2	38.2	38.7
65°	76.0	64.7	53.5	41.4	33.3	29.2	26.5	26.5	26.1	26.5	26.1
67.5°	55.3	47.7	38.7	30.1	23.8	21.6	19.8	18.4	19.3	18.4	18.0
70°	40.5	34.2	27.9	22.9	18.4	16.2	14.8	14.4	13.5	13.5	13.5
72.5°	27.0	22.9	18.9	14.8	12.1	9.9	9.4	8.5	7.6	8.1	9.0
75°	18.0	15.3	13.5	10.8	8.1	8.1	5.4	5.4	4.5	5.4	4.1
77.5°	12.6	10.3	8.1	6.7	5.4	4.9	3.6	3.6	3.1	3.1	3.1
80°	9.0	7.6	5.8	4.9	3.6	3.6	3.1	2.7	2.2	2.2	2.7
82.5°	5.4	4.1	4.1	3.6	2.2	1.8	1.4	1.8	0.9	0.9	0.9
85°	3.1	2.7	2.2	1.4	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°	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8
2.5°	926.2	925.7	926.6	926.6	929.3	928.9	930.2	930.2	929.3	929.8	931.6
5°	929.3	930.7	933.4	935.6	939.7	941.5	943.7	946.0	946.4	947.8	949.1
7.5°	929.3	933.8	937.0	941.0	946.4	949.6	954.5	958.6	960.3	962.6	965.3
10°	927.5	932.0	937.9	942.4	949.1	954.1	959.0	965.3	968.0	971.6	975.2
12.5°	923.9	928.9	935.2	941.0	948.6	953.1	959.4	965.3	969.3	974.3	978.3
15°	918.5	924.4	930.2	936.1	944.2	949.6	955.4	962.1	966.2	971.6	975.2
17.5°	910.0	916.3	921.7	927.1	934.7	941.0	946.4	952.7	956.8	961.3	966.2
20°	899.6	905.5	911.3	915.8	923.5	928.9	934.7	940.6	943.7	944.6	952.3
22.5°	886.6	890.7	895.1	902.3	906.8	911.8	917.2	922.6	925.7	930.7	933.4
25°	865.0	869.1	874.0	877.2	882.6	886.6	892.0	897.9	899.6	903.3	905.9
27.5°	834.9	837.2	839.4	842.1	845.2	847.5	850.6	853.3	855.1	856.9	858.7
30°	787.2	787.2	787.2	785.4	786.8	788.1	788.6	788.1	788.1	787.7	787.7
32.5°	724.3	720.7	716.7	713.1	711.7	709.9	709.0	707.7	705.4	704.1	704.5
35°	639.3	631.2	626.3	621.8	618.2	615.5	614.2	612.8	612.4	610.6	608.8
37.5°	533.2	527.4	523.8	521.1	517.9	515.2	515.7	516.1	517.5	516.6	517.0
40°	420.8	419.5	420.8	417.7	416.8	417.7	419.9	423.1	424.9	426.7	429.8
42.5°	320.1	322.4	325.5	325.5	326.9	328.7	331.3	336.3	339.0	342.1	345.7
45°	241.0	243.7	247.7	249.1	250.0	252.2	255.4	259.4	261.2	263.9	267.1
47.5°	185.7	187.5	189.7	192.0	194.2	195.1	198.3	198.3	200.5	202.3	203.2
50°	144.8	146.6	148.4	149.7	150.6	152.0	152.9	154.2	154.7	155.6	156.0
52.5°	113.3	115.6	115.6	116.4	117.8	119.1	118.7	119.1	119.6	119.6	120.9
55°	88.6	88.6	89.9	89.9	90.8	90.4	90.8	90.8	90.8	90.8	91.3
57.5°	66.1	66.5	67.9	67.0	66.5	67.4	66.5	67.4	67.0	67.9	66.5
60°	50.8	50.8	51.3	51.3	51.7	51.7	51.7	51.3	51.3	50.8	50.8
62.5°	38.2	38.7	39.1	38.7	38.7	38.7	38.2	38.2	37.8	37.3	37.3
65°	25.6	25.2	26.1	25.2	25.6	25.6	25.2	25.6	24.3	24.7	24.3
67.5°	18.4	18.0	17.5	18.0	17.5	17.1	17.1	17.5	18.0	16.6	16.6
70°	12.1	12.6	12.1	12.6	13.0	13.0	12.6	12.1	12.6	11.7	12.1
72.5°	7.6	7.6	7.6	7.6	7.6	8.1	8.1	8.1	7.2	7.2	6.7
75°	3.6	4.9	4.1	3.6	4.9	4.9	4.5	4.5	4.1	4.1	4.1
77.5°	3.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.2	2.7	2.2
80°	1.8	1.8	1.8	1.4	1.8	1.8	2.2	1.8	1.8	1.4	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





TEST NUMBER: P244975

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8
2.5°	931.1	930.7	931.1	931.6	931.1	930.7	931.1	931.6	929.8	929.3	930.2
5°	950.9	950.9	951.8	952.3	951.8	950.9	950.9	949.1	947.8	946.4	946.0
7.5°	968.0	968.9	969.8	970.2	969.8	968.9	968.0	965.3	962.6	960.3	958.6
10°	978.3	979.7	981.5	982.4	981.5	979.7	978.3	975.2	971.6	968.0	965.3
12.5°	982.8	984.2	986.4	986.0	986.4	984.2	982.8	978.3	974.3	969.3	965.3
15°	979.7	981.5	983.7	984.6	983.7	981.5	979.7	975.2	971.6	966.2	962.1
17.5°	969.8	972.5	973.8	975.2	973.8	972.5	969.8	966.2	961.3	956.8	952.7
20°	956.3	958.1	959.9	960.3	959.9	958.1	956.3	952.3	944.6	943.7	940.6
22.5°	937.0	938.3	942.4	941.0	942.4	938.3	937.0	933.4	930.7	925.7	922.6
25°	909.1	910.4	910.9	911.3	910.9	910.4	909.1	905.9	903.3	899.6	897.9
27.5°	861.0	861.0	861.9	862.3	861.9	861.0	861.0	858.7	856.9	855.1	853.3
30°	788.1	788.1	788.1	790.4	788.1	788.1	788.1	787.7	787.7	788.1	788.1
32.5°	704.1	703.2	702.3	703.2	702.3	703.2	704.1	704.5	704.1	705.4	707.7
35°	608.8	608.3	609.7	607.9	609.7	608.3	608.8	608.8	610.6	612.4	612.8
37.5°	517.5	516.6	518.4	516.6	518.4	516.6	517.5	517.0	516.6	517.5	516.1
40°	430.7	431.6	431.6	435.2	431.6	431.6	430.7	429.8	426.7	424.9	423.1
42.5°	347.5	350.2	349.3	352.0	349.3	350.2	347.5	345.7	342.1	339.0	336.3
45°	268.9	270.7	270.7	271.6	270.7	270.7	268.9	267.1	263.9	261.2	259.4
47.5°	206.4	206.4	206.4	206.8	206.4	206.4	206.4	203.2	202.3	200.5	198.3
50°	156.9	157.4	157.8	158.3	157.8	157.4	156.9	156.0	155.6	154.7	154.2
52.5°	120.5	120.9	120.0	120.9	120.0	120.9	120.5	120.9	119.6	119.6	119.1
55°	91.3	90.8	91.3	91.7	91.3	90.8	91.3	91.3	90.8	90.8	90.8
57.5°	67.0	66.1	66.1	66.1	66.1	66.1	67.0	66.5	67.9	67.0	67.4
60°	49.9	50.4	50.4	50.8	50.4	50.4	49.9	50.8	50.8	51.3	51.3
62.5°	36.9	38.2	37.3	38.2	37.3	38.2	36.9	37.3	37.3	37.8	38.2
65°	23.8	23.8	23.8	24.3	23.8	23.8	23.8	24.3	24.7	24.3	25.6
67.5°	16.2	16.6	17.5	17.1	17.5	16.6	16.2	16.6	16.6	18.0	17.5
70°	13.0	11.7	11.7	13.0	11.7	11.7	13.0	12.1	11.7	12.6	12.1
72.5°	7.6	6.7	7.6	7.6	7.6	6.7	7.6	6.7	7.2	7.2	8.1
75°	4.1	3.6	3.1	4.5	3.1	3.6	4.1	4.1	4.1	4.1	4.5
77.5°	2.7	2.2	3.1	3.1	3.1	2.2	2.7	2.2	2.7	2.2	2.7
80°	1.4	1.8	1.4	2.2	1.4	1.8	1.4	2.2	1.4	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



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8
2.5°	930.2	928.9	929.3	926.6	926.6	925.7	926.2	923.9	923.0	922.1	923.5
5°	943.7	941.5	939.7	935.6	933.4	930.7	929.3	925.7	922.6	919.9	919.4
7.5°	954.5	949.6	946.4	941.0	937.0	933.8	929.3	924.4	920.3	916.7	914.0
10°	959.0	954.1	949.1	942.4	937.9	932.0	927.5	921.2	915.8	910.9	907.7
12.5°	959.4	953.1	948.6	941.0	935.2	928.9	923.9	916.7	910.4	905.5	900.6
15°	955.4	949.6	944.2	936.1	930.2	924.4	918.5	910.9	905.0	899.2	895.6
17.5°	946.4	941.0	934.7	927.1	921.7	916.3	910.0	903.7	896.9	890.7	886.2
20°	934.7	928.9	923.5	915.8	911.3	905.5	899.6	892.9	887.5	881.2	876.3
22.5°	917.2	911.8	906.8	902.3	895.1	890.7	886.6	879.0	873.6	867.7	862.3
25°	892.0	886.6	882.6	877.2	874.0	869.1	865.0	858.3	853.3	847.9	843.4
27.5°	850.6	847.5	845.2	842.1	839.4	837.2	834.9	829.5	825.9	821.0	816.5
30°	788.6	788.1	786.8	785.4	787.2	787.2	787.2	786.4	783.2	779.6	776.5
32.5°	709.0	709.9	711.7	713.1	716.7	720.7	724.3	726.1	726.1	723.9	722.5
35°	614.2	615.5	618.2	621.8	626.3	631.2	639.3	641.1	642.5	642.5	640.7
37.5°	515.7	515.2	517.9	521.1	523.8	527.4	533.2	534.6	536.8	535.9	534.1
40°	419.9	417.7	416.8	417.7	420.8	419.5	420.8	419.9	419.9	416.8	416.8
42.5°	331.3	328.7	326.9	325.5	325.5	322.4	320.1	317.9	316.5	314.3	313.8
45°	255.4	252.2	250.0	249.1	247.7	243.7	241.0	238.3	235.1	234.2	234.7
47.5°	198.3	195.1	194.2	192.0	189.7	187.5	185.7	182.5	182.1	180.3	182.1
50°	152.9	152.0	150.6	149.7	148.4	146.6	144.8	143.0	142.1	142.1	142.5
52.5°	118.7	119.1	117.8	116.4	115.6	115.6	113.3	112.8	112.8	111.1	112.8
55°	90.8	90.4	90.8	89.9	89.9	88.6	88.6	87.2	87.2	85.9	86.8
57.5°	66.5	67.4	66.5	67.0	67.9	66.5	66.1	64.7	65.6	64.7	65.2
60°	51.7	51.7	51.7	51.3	51.3	50.8	50.8	50.4	50.4	49.4	50.4
62.5°	38.2	38.7	38.7	38.7	39.1	38.7	38.2	38.7	38.2	38.2	38.7
65°	25.2	25.6	25.6	25.2	26.1	25.2	25.6	26.1	26.5	26.1	26.5
67.5°	17.1	17.1	17.5	18.0	17.5	18.0	18.4	18.0	18.4	19.3	18.4
70°	12.6	13.0	13.0	12.6	12.1	12.6	12.1	13.5	13.5	13.5	14.4
72.5°	8.1	8.1	7.6	7.6	7.6	7.6	7.6	9.0	8.1	7.6	8.5
75°	4.5	4.9	4.9	3.6	4.1	4.9	3.6	4.1	5.4	4.5	5.4
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.1	3.1	3.1	3.6
80°	2.2	1.8	1.8	1.4	1.8	1.8	1.8	2.7	2.2	2.2	2.7
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°	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8	920.8
2.5°	919.9	919.9	919.4	918.5	916.7	916.7	916.3	914.9	914.0	913.6	913.6
5°	915.4	913.6	911.8	906.8	906.8	905.9	903.3	901.4	900.6	898.3	897.4
7.5°	911.3	905.9	902.8	899.6	895.6	893.8	890.7	889.3	886.2	883.9	882.6
10°	901.4	897.9	893.8	888.9	885.7	882.1	878.5	875.8	871.8	869.5	867.7
12.5°	894.7	889.3	885.7	880.3	874.9	871.8	866.8	863.7	859.6	855.1	852.4
15°	888.4	882.6	877.6	871.8	865.9	862.3	856.5	852.9	847.1	842.6	839.4
17.5°	879.0	874.0	868.6	861.4	856.0	851.5	845.2	840.8	835.4	829.5	826.4
20°	869.1	863.2	857.8	850.6	845.2	839.9	833.6	828.6	822.3	816.9	813.3
22.5°	856.0	849.3	844.8	837.6	831.3	825.5	819.6	813.8	807.9	803.4	799.4
25°	837.2	830.0	825.0	819.2	813.3	808.8	801.6	798.0	792.2	788.1	784.1
27.5°	810.2	804.8	800.3	794.4	789.5	785.9	780.5	776.9	772.0	768.4	765.2
30°	770.6	766.1	762.1	756.2	752.6	749.5	744.5	741.4	737.8	733.7	732.9
32.5°	717.6	714.0	709.9	705.9	703.2	701.4	697.3	695.5	691.9	689.7	687.4
35°	637.5	634.4	632.1	630.3	629.4	629.9	629.0	630.8	631.7	631.2	631.7
37.5°	532.8	531.0	531.9	533.2	537.7	543.6	549.0	557.0	562.4	567.9	572.8
40°	415.9	417.2	420.8	428.9	440.6	453.7	465.8	481.1	496.4	507.2	517.0
42.5°	313.8	317.9	326.9	338.5	356.1	375.4	394.3	416.8	435.2	453.2	465.8
45°	236.0	241.4	253.1	269.3	288.6	311.1	335.0	360.1	382.2	400.6	414.5
47.5°	183.9	188.8	200.5	217.6	241.4	264.8	289.5	315.6	338.5	356.5	368.7
50°	145.2	151.5	161.9	179.8	203.7	228.4	254.0	279.6	301.2	316.5	327.3
52.5°	114.2	120.0	129.9	148.8	173.1	197.8	221.6	246.8	265.7	280.5	287.7
55°	88.6	94.0	104.3	120.0	143.0	167.3	191.1	212.7	230.2	241.0	247.7
57.5°	67.4	71.5	78.7	94.4	115.1	137.6	157.8	179.4	192.9	200.5	205.0
60°	51.3	54.4	62.1	74.2	93.1	112.4	129.5	145.7	156.5	162.8	167.3
62.5°	38.7	42.3	47.7	58.0	72.4	88.1	102.5	114.6	123.6	127.7	130.8
65°	26.5	29.2	33.3	41.4	53.5	64.7	76.0	85.0	90.8	95.3	97.1
67.5°	19.8	21.6	23.8	30.1	38.7	47.7	55.3	61.6	67.9	69.7	72.8
70°	14.8	16.2	18.4	22.9	27.9	34.2	40.5	44.1	48.6	51.7	52.6
72.5°	9.4	9.9	12.1	14.8	18.9	22.9	27.0	30.1	32.8	34.6	35.5
75°	5.4	8.1	8.1	10.8	13.5	15.3	18.0	20.2	21.6	22.9	22.9
77.5°	3.6	4.9	5.4	6.7	8.1	10.3	12.6	13.9	15.3	15.7	15.7
80°	3.1	3.6	3.6	4.9	5.8	7.6	9.0	9.4	10.3	10.8	11.7
82.5°	1.4	1.8	2.2	3.6	4.1	4.1	5.4	5.8	6.7	7.2	7.2
85°	0.4	0.9	0.9	1.4	2.2	2.7	3.1	3.6	4.1	4.1	4.5
87.5°	0.4	0.4	0.0	0.4	0.9	0.9	1.8	1.8	1.8	2.7	2.7
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: P244975

CATALOG NUMBER: LD8B15D010 ER8B15850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	920.8	920.8	920.8	920.8	920.8	920.8	920.8
2.5°	912.7	913.1	911.3	910.9	910.0	910.4	911.3
5°	896.1	896.5	894.7	892.9	892.9	892.4	892.9
7.5°	880.3	880.8	878.1	877.2	875.4	875.8	875.8
10°	864.6	864.6	860.5	860.1	858.7	858.3	858.3
12.5°	849.3	847.9	844.8	843.0	843.9	841.2	841.2
15°	835.8	833.6	829.5	828.2	825.9	825.0	825.0
17.5°	821.9	820.1	816.5	813.8	811.1	810.6	811.1
20°	808.4	806.6	802.1	800.3	798.0	798.0	797.1
22.5°	794.9	793.1	789.1	787.7	784.6	784.6	785.0
25°	780.9	779.6	775.1	774.2	773.8	772.0	772.9
27.5°	762.1	761.2	757.6	756.2	754.4	754.0	754.9
30°	727.4	726.1	723.4	722.1	718.9	719.4	720.2
32.5°	684.3	682.5	678.9	677.5	674.9	673.9	674.4
35°	630.3	629.0	625.9	625.9	623.1	622.2	623.1
37.5°	575.5	576.8	575.5	576.8	575.5	575.0	575.5
40°	523.8	528.7	529.6	534.6	532.8	535.5	535.0
42.5°	474.3	482.4	485.6	489.6	488.7	490.5	491.9
45°	424.4	431.2	434.3	437.0	437.5	438.4	438.8
47.5°	377.2	382.6	383.1	386.2	385.8	385.8	387.1
50°	333.2	336.8	337.6	339.9	338.1	337.2	337.6
52.5°	292.2	295.8	294.9	295.8	293.6	292.7	293.1
55°	250.4	252.2	252.2	252.2	249.5	249.5	249.5
57.5°	207.7	208.2	207.3	207.7	207.3	204.6	204.1
60°	168.6	168.6	168.1	168.6	167.3	165.9	165.9
62.5°	131.7	132.6	134.4	132.6	131.7	132.6	131.3
65°	98.5	100.3	99.8	100.7	100.3	100.3	99.4
67.5°	74.2	74.6	75.1	75.5	75.5	75.5	75.5
70°	54.4	55.8	55.3	55.3	55.3	55.3	58.0
72.5°	36.4	38.2	37.8	38.7	38.7	39.6	38.7
75°	24.7	26.5	25.6	27.0	26.5	25.6	27.9
77.5°	16.6	17.5	18.0	18.4	18.0	17.5	18.0
80°	11.7	12.6	12.1	12.6	12.6	12.6	13.0
82.5°	7.2	8.5	8.1	8.5	8.1	8.5	8.5
85°	4.9	5.4	4.5	5.4	4.9	4.9	5.8
87.5°	3.1	2.7	2.7	3.1	2.7	3.1	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)