

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: P245955

Luminaire Tested: **LD8B30D010 ER8B309730 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245955
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 ER8B309730 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1741.0 lumens
Efficiency: N/A
Efficacy: 64.2 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

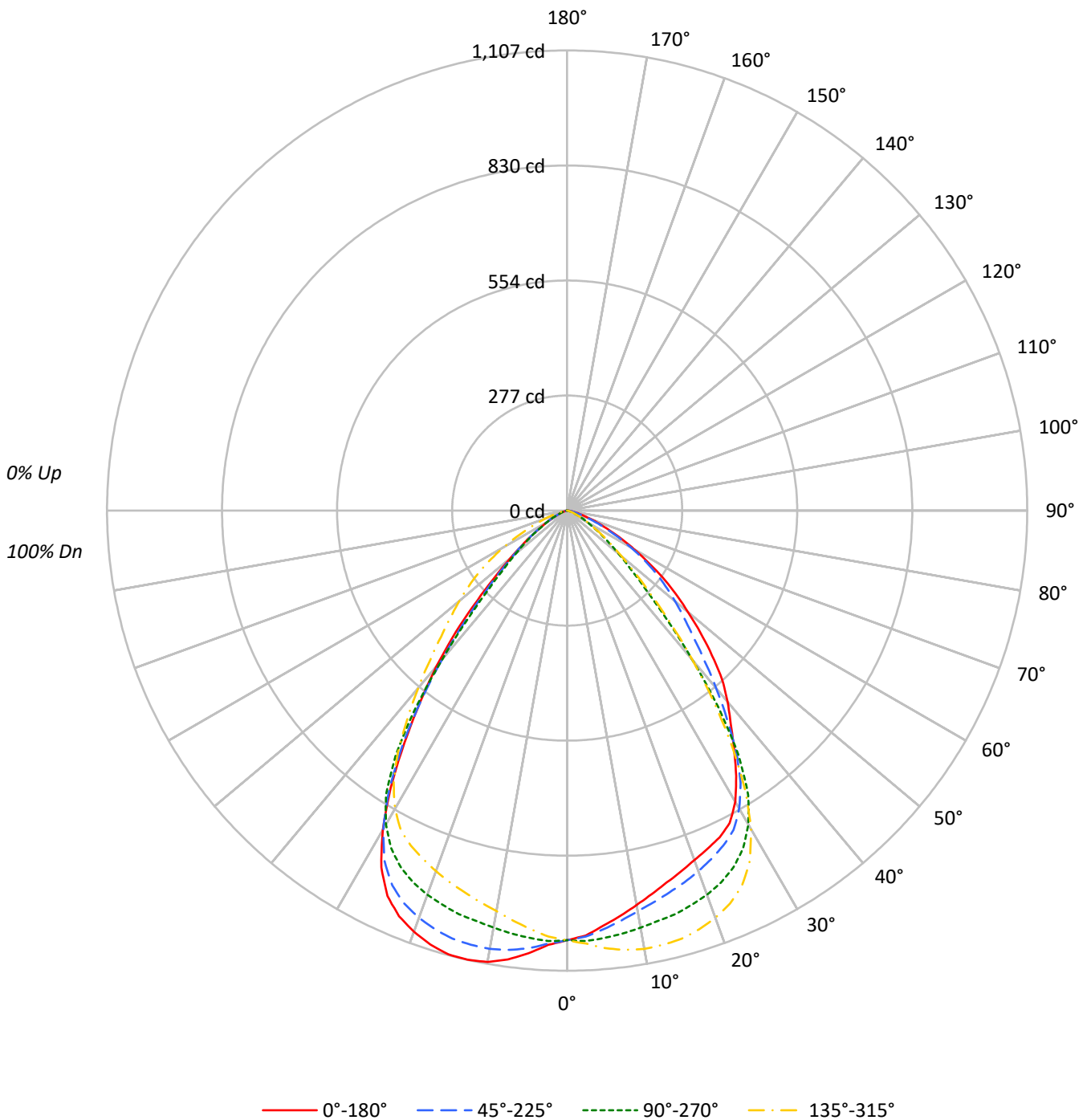
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	98.4	5.7
10°-20°	284.9	16.4
20°-30°	431.4	24.8
30°-40°	432.3	24.8
40°-50°	271.5	15.6
50°-60°	144.7	8.3
60°-70°	59.5	3.4
70°-80°	15.7	0.9
80°-90°	2.6	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°	814.6	46.8
0°-40°	1247.0	71.6
0°-60°	1663.1	95.5
0°-90°	1741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1741.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1034	1034	1034	1034	1034	
5°	1002	1032	1069	1032	1002	95
15°	926	1005	1105	1005	926	262
25°	868	947	1023	947	868	398
35°	700	719	682	719	700	438
45°	493	263	305	263	493	379
55°	280	97	103	97	280	250
65°	112	30	27	30	112	116
75°	31	6	5	6	31	35
85°	7	0	0	0	7	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°	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6
2.5°	1023.0	1022.0	1021.5	1022.5	1023.0	1025.0	1024.5	1025.5	1025.5	1026.0	1027.0
5°	1002.3	1001.8	1002.3	1002.3	1004.3	1006.3	1005.8	1007.3	1008.3	1010.9	1011.9
7.5°	983.1	983.1	982.6	984.6	985.6	988.7	988.1	990.7	992.2	994.7	998.2
10°	963.4	963.4	963.9	965.4	966.0	970.5	970.5	974.0	976.0	978.6	983.1
12.5°	944.3	944.3	947.3	946.3	948.3	951.8	953.3	956.9	959.9	964.9	969.5
15°	926.1	926.1	927.1	929.6	931.1	935.7	938.2	942.2	945.8	950.8	957.4
17.5°	910.4	909.9	910.4	913.5	916.5	920.5	922.5	927.6	931.1	937.7	943.8
20°	894.8	895.8	895.8	898.3	900.3	905.4	907.4	913.0	917.0	923.0	930.1
22.5°	881.2	880.7	880.7	884.2	885.7	890.2	892.3	897.3	901.9	906.9	913.5
25°	867.5	866.5	868.6	869.1	870.1	875.1	876.6	880.1	884.7	889.2	895.8
27.5°	847.3	846.4	846.8	848.9	850.4	854.4	855.4	859.0	862.5	866.5	872.1
30°	808.5	807.5	807.0	810.5	812.0	815.0	816.6	822.6	823.6	828.2	832.2
32.5°	757.0	756.5	757.5	760.5	762.1	766.1	768.1	771.7	774.2	776.7	780.7
35°	699.5	698.5	699.5	702.5	702.5	706.1	707.6	709.1	708.6	709.1	708.1
37.5°	646.0	645.5	646.0	647.5	646.0	647.5	646.0	643.0	637.4	631.4	625.3
40°	600.6	601.1	598.1	600.1	594.5	593.5	588.0	580.4	569.3	557.2	540.0
42.5°	552.1	550.6	548.6	549.6	545.1	541.5	532.4	522.9	508.7	488.5	467.8
45°	492.6	492.1	491.1	490.6	487.5	484.0	476.4	465.3	449.7	429.0	404.2
47.5°	434.5	433.0	433.0	433.5	430.0	429.5	423.4	413.8	400.2	380.0	354.3
50°	379.0	378.5	379.5	381.5	379.0	378.0	374.0	367.4	355.3	338.1	313.9
52.5°	329.0	328.5	329.6	332.1	331.1	332.1	328.0	323.0	314.9	298.3	277.1
55°	280.1	280.1	280.1	283.1	283.1	283.1	281.1	278.1	270.5	258.4	238.7
57.5°	229.1	229.6	232.7	233.2	232.7	233.7	233.2	230.1	225.1	216.5	201.4
60°	186.2	186.2	187.7	189.3	188.7	189.3	189.3	187.7	182.7	175.6	163.5
62.5°	147.4	148.9	147.9	148.9	150.9	148.9	147.9	146.9	143.3	138.8	128.7
65°	111.5	112.5	112.5	113.0	112.0	112.5	110.5	109.0	107.0	102.0	95.4
67.5°	84.8	84.8	84.8	84.8	84.3	83.8	83.3	81.8	78.2	76.2	69.1
70°	65.1	62.1	62.1	62.1	62.1	62.6	61.1	59.1	58.0	54.5	49.5
72.5°	43.4	44.4	43.4	43.4	42.4	42.9	40.9	39.9	38.9	36.9	33.8
75°	31.3	28.8	29.8	30.3	28.8	29.8	27.8	25.7	25.7	24.2	22.7
77.5°	20.2	19.7	20.2	20.7	20.2	19.7	18.7	17.7	17.7	17.2	15.6
80°	14.6	14.1	14.1	14.1	13.6	14.1	13.1	13.1	12.1	11.6	10.6
82.5°	9.6	9.6	9.1	9.6	9.1	9.6	8.1	8.1	8.1	7.6	6.6
85°	6.6	5.5	5.5	6.1	5.0	6.1	5.5	5.0	4.5	4.5	4.0
87.5°	3.0	3.5	3.0	3.5	3.0	3.0	3.5	3.0	3.0	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6
2.5°	1028.5	1029.0	1029.0	1031.1	1032.1	1032.6	1032.6	1036.6	1035.1	1036.1	1037.1
5°	1013.9	1016.9	1017.9	1017.9	1023.5	1025.5	1027.5	1032.1	1032.6	1035.6	1039.1
7.5°	999.8	1003.3	1005.3	1009.9	1013.4	1016.9	1023.0	1026.0	1029.0	1033.1	1037.6
10°	986.1	990.2	994.2	997.7	1003.3	1007.8	1011.9	1018.9	1022.5	1028.0	1034.1
12.5°	973.0	978.6	982.1	988.1	994.2	998.2	1004.3	1010.9	1016.4	1022.0	1029.0
15°	961.4	968.0	972.0	978.6	985.1	990.7	997.2	1005.3	1009.4	1015.9	1022.5
17.5°	948.8	955.9	960.9	967.0	975.0	981.1	986.7	994.7	999.8	1006.8	1014.4
20°	935.7	942.7	948.8	954.8	962.9	969.0	975.5	983.6	989.2	996.2	1002.3
22.5°	920.0	926.6	933.1	940.2	948.3	953.3	960.9	968.0	974.0	980.6	986.7
25°	899.8	907.9	913.0	919.5	926.1	931.6	939.7	946.8	951.8	957.9	963.4
27.5°	876.1	882.2	886.2	891.8	898.3	903.4	909.4	916.5	921.5	927.1	931.1
30°	835.7	841.3	844.8	848.9	855.4	860.0	865.0	871.6	875.1	879.2	882.7
32.5°	782.7	787.3	789.3	792.3	796.9	801.4	805.5	811.0	812.5	815.0	815.0
35°	706.1	707.0	706.5	707.6	709.6	712.1	715.6	719.2	721.2	721.2	719.7
37.5°	616.2	610.2	603.6	598.6	597.0	596.0	598.1	599.5	601.6	602.6	600.1
40°	522.9	509.2	494.6	481.5	472.4	468.3	466.8	467.8	467.8	471.4	471.4
42.5°	442.6	421.4	399.7	380.0	366.9	356.8	352.3	352.3	352.8	355.3	356.8
45°	376.0	349.2	324.0	302.3	284.1	271.0	265.0	263.4	262.9	263.9	267.5
47.5°	325.0	297.3	271.0	244.3	225.1	212.0	206.4	204.4	202.4	204.4	204.9
50°	285.1	256.4	228.6	201.9	181.7	170.1	163.0	160.0	159.5	159.5	160.5
52.5°	248.8	222.1	194.3	167.1	145.8	134.8	128.2	126.7	124.7	126.7	126.7
55°	214.5	187.7	160.5	134.8	117.1	105.5	99.4	97.4	96.4	97.9	97.9
57.5°	177.2	154.4	129.2	106.0	88.3	80.2	75.7	73.2	72.7	73.7	72.7
60°	145.3	126.2	104.5	83.3	69.7	61.1	57.5	56.5	55.5	56.5	56.5
62.5°	115.1	98.9	81.2	65.1	53.5	47.4	43.4	43.4	42.9	42.9	43.4
65°	85.3	72.7	60.1	46.4	37.3	32.8	29.8	29.8	29.3	29.8	29.3
67.5°	62.1	53.5	43.4	33.8	26.8	24.2	22.2	20.7	21.7	20.7	20.2
70°	45.4	38.3	31.3	25.7	20.7	18.2	16.7	16.1	15.1	15.1	15.1
72.5°	30.3	25.7	21.2	16.7	13.6	11.1	10.6	9.6	8.6	9.1	10.1
75°	20.2	17.2	15.1	12.1	9.1	9.1	6.1	6.1	5.0	6.1	4.5
77.5°	14.1	11.6	9.1	7.6	6.1	5.5	4.0	4.0	3.5	3.5	3.5
80°	10.1	8.6	6.6	5.5	4.0	4.0	3.5	3.0	2.5	2.5	3.0
82.5°	6.1	4.5	4.5	4.0	2.5	2.0	1.5	2.0	1.0	1.0	1.0
85°	3.5	3.0	2.5	1.5	1.0	1.0	0.5	0.0	0.5	0.5	0.0
87.5°	2.0	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°	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6
2.5°	1039.6	1039.1	1040.1	1040.1	1043.2	1042.7	1044.2	1044.2	1043.2	1043.7	1045.7
5°	1043.2	1044.7	1047.7	1050.2	1054.8	1056.8	1059.3	1061.8	1062.3	1063.9	1065.4
7.5°	1043.2	1048.2	1051.8	1056.3	1062.3	1065.9	1071.4	1076.0	1078.0	1080.5	1083.5
10°	1041.1	1046.2	1052.7	1057.8	1065.4	1070.9	1076.5	1083.5	1086.6	1090.6	1094.6
12.5°	1037.1	1042.7	1049.7	1056.3	1064.9	1069.9	1077.0	1083.5	1088.1	1093.6	1098.2
15°	1031.1	1037.6	1044.2	1050.7	1059.8	1065.9	1072.4	1080.0	1084.6	1090.6	1094.6
17.5°	1021.5	1028.5	1034.6	1040.6	1049.2	1056.3	1062.3	1069.4	1074.0	1079.0	1084.6
20°	1009.9	1016.4	1023.0	1028.0	1036.6	1042.7	1049.2	1055.8	1059.3	1060.3	1068.9
22.5°	995.2	999.8	1004.8	1012.9	1017.9	1023.5	1029.5	1035.6	1039.1	1044.7	1047.7
25°	971.0	975.5	981.1	984.6	990.7	995.2	1001.3	1007.8	1009.9	1013.9	1016.9
27.5°	937.2	939.7	942.2	945.3	948.8	951.3	954.8	957.9	959.9	961.9	963.9
30°	883.7	883.7	883.7	881.7	883.2	884.7	885.2	884.7	884.7	884.2	884.2
32.5°	813.0	809.0	804.5	800.4	798.9	796.9	795.9	794.4	791.8	790.3	790.8
35°	717.6	708.6	703.0	698.0	693.9	690.9	689.4	687.9	687.4	685.4	683.3
37.5°	598.6	592.0	588.0	584.9	581.4	578.4	578.9	579.4	580.9	579.9	580.4
40°	472.4	470.9	472.4	468.8	467.8	468.8	471.4	474.9	476.9	478.9	482.5
42.5°	359.3	361.8	365.4	365.4	366.9	368.9	371.9	377.5	380.5	384.0	388.1
45°	270.5	273.5	278.1	279.6	280.6	283.1	286.7	291.2	293.2	296.2	299.8
47.5°	208.4	210.5	213.0	215.5	218.0	219.0	222.6	222.6	225.1	227.1	228.1
50°	162.5	164.5	166.5	168.1	169.1	170.6	171.6	173.1	173.6	174.6	175.1
52.5°	127.2	129.7	129.7	130.7	132.2	133.7	133.2	133.7	134.2	134.2	135.8
55°	99.4	99.4	100.9	100.9	102.0	101.4	102.0	102.0	102.0	102.0	102.5
57.5°	74.2	74.7	76.2	75.2	74.7	75.7	74.7	75.7	75.2	76.2	74.7
60°	57.0	57.0	57.5	57.5	58.0	58.0	58.0	57.5	57.5	57.0	57.0
62.5°	42.9	43.4	43.9	43.4	43.4	43.4	42.9	42.9	42.4	41.9	41.9
65°	28.8	28.3	29.3	28.3	28.8	28.8	28.3	28.8	27.3	27.8	27.3
67.5°	20.7	20.2	19.7	20.2	19.7	19.2	19.2	19.7	20.2	18.7	18.7
70°	13.6	14.1	13.6	14.1	14.6	14.6	14.1	13.6	14.1	13.1	13.6
72.5°	8.6	8.6	8.6	8.6	8.6	9.1	9.1	9.1	8.1	8.1	7.6
75°	4.0	5.5	4.5	4.0	5.5	5.5	5.0	5.0	4.5	4.5	4.5
77.5°	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	3.0	2.5
80°	2.0	2.0	2.0	1.5	2.0	2.0	2.5	2.0	2.0	1.5	2.5
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°	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6
2.5°	1045.2	1044.7	1045.2	1045.7	1045.2	1044.7	1045.2	1045.7	1043.7	1043.2	1044.2
5°	1067.4	1067.4	1068.4	1068.9	1068.4	1067.4	1067.4	1065.4	1063.9	1062.3	1061.8
7.5°	1086.6	1087.6	1088.6	1089.1	1088.6	1087.6	1086.6	1083.5	1080.5	1078.0	1076.0
10°	1098.2	1099.7	1101.7	1102.7	1101.7	1099.7	1098.2	1094.6	1090.6	1086.6	1083.5
12.5°	1103.2	1104.7	1107.3	1106.8	1107.3	1104.7	1103.2	1098.2	1093.6	1088.1	1083.5
15°	1099.7	1101.7	1104.2	1105.2	1104.2	1101.7	1099.7	1094.6	1090.6	1084.6	1080.0
17.5°	1088.6	1091.6	1093.1	1094.6	1093.1	1091.6	1088.6	1084.6	1079.0	1074.0	1069.4
20°	1073.4	1075.5	1077.5	1078.0	1077.5	1075.5	1073.4	1068.9	1060.3	1059.3	1055.8
22.5°	1051.8	1053.3	1057.8	1056.3	1057.8	1053.3	1051.8	1047.7	1044.7	1039.1	1035.6
25°	1020.4	1022.0	1022.5	1023.0	1022.5	1022.0	1020.4	1016.9	1013.9	1009.9	1007.8
27.5°	966.5	966.5	967.5	968.0	967.5	966.5	966.5	963.9	961.9	959.9	957.9
30°	884.7	884.7	884.7	887.2	884.7	884.7	884.7	884.2	884.2	884.7	884.7
32.5°	790.3	789.3	788.3	789.3	788.3	789.3	790.3	790.8	790.3	791.8	794.4
35°	683.3	682.8	684.3	682.3	684.3	682.8	683.3	683.3	685.4	687.4	687.9
37.5°	580.9	579.9	581.9	579.9	581.9	579.9	580.9	580.4	579.9	580.9	579.4
40°	483.5	484.5	484.5	488.5	484.5	484.5	483.5	482.5	478.9	476.9	474.9
42.5°	390.1	393.1	392.1	395.2	392.1	393.1	390.1	388.1	384.0	380.5	377.5
45°	301.8	303.8	303.8	304.8	303.8	303.8	301.8	299.8	296.2	293.2	291.2
47.5°	231.6	231.6	231.6	232.2	231.6	231.6	231.6	228.1	227.1	225.1	222.6
50°	176.1	176.6	177.2	177.6	177.2	176.6	176.1	175.1	174.6	173.6	173.1
52.5°	135.3	135.8	134.8	135.8	134.8	135.8	135.3	135.8	134.2	134.2	133.7
55°	102.5	102.0	102.5	103.0	102.5	102.0	102.5	102.5	102.0	102.0	102.0
57.5°	75.2	74.2	74.2	74.2	74.2	74.2	75.2	74.7	76.2	75.2	75.7
60°	56.0	56.5	56.5	57.0	56.5	56.5	56.0	57.0	57.0	57.5	57.5
62.5°	41.4	42.9	41.9	42.9	41.9	42.9	41.4	41.9	41.9	42.4	42.9
65°	26.8	26.8	26.8	27.3	26.8	26.8	26.8	27.3	27.8	27.3	28.8
67.5°	18.2	18.7	19.7	19.2	19.7	18.7	18.2	18.7	18.7	20.2	19.7
70°	14.6	13.1	13.1	14.6	13.1	13.1	14.6	13.6	13.1	14.1	13.6
72.5°	8.6	7.6	8.6	8.6	8.6	7.6	8.6	7.6	8.1	8.1	9.1
75°	4.5	4.0	3.5	5.0	3.5	4.0	4.5	4.5	4.5	4.5	5.0
77.5°	3.0	2.5	3.5	3.5	3.5	2.5	3.0	2.5	3.0	2.5	3.0
80°	1.5	2.0	1.5	2.5	1.5	2.0	1.5	2.5	1.5	2.0	2.0
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: P245955

CATALOG NUMBER: LD8B30D010 ER8B309730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6
2.5°	1044.2	1042.7	1043.2	1040.1	1040.1	1039.1	1039.6	1037.1	1036.1	1035.1	1036.6
5°	1059.3	1056.8	1054.8	1050.2	1047.7	1044.7	1043.2	1039.1	1035.6	1032.6	1032.1
7.5°	1071.4	1065.9	1062.3	1056.3	1051.8	1048.2	1043.2	1037.6	1033.1	1029.0	1026.0
10°	1076.5	1070.9	1065.4	1057.8	1052.7	1046.2	1041.1	1034.1	1028.0	1022.5	1018.9
12.5°	1077.0	1069.9	1064.9	1056.3	1049.7	1042.7	1037.1	1029.0	1022.0	1016.4	1010.9
15°	1072.4	1065.9	1059.8	1050.7	1044.2	1037.6	1031.1	1022.5	1015.9	1009.4	1005.3
17.5°	1062.3	1056.3	1049.2	1040.6	1034.6	1028.5	1021.5	1014.4	1006.8	999.8	994.7
20°	1049.2	1042.7	1036.6	1028.0	1023.0	1016.4	1009.9	1002.3	996.2	989.2	983.6
22.5°	1029.5	1023.5	1017.9	1012.9	1004.8	999.8	995.2	986.7	980.6	974.0	968.0
25°	1001.3	995.2	990.7	984.6	981.1	975.5	971.0	963.4	957.9	951.8	946.8
27.5°	954.8	951.3	948.8	945.3	942.2	939.7	937.2	931.1	927.1	921.5	916.5
30°	885.2	884.7	883.2	881.7	883.7	883.7	883.7	882.7	879.2	875.1	871.6
32.5°	795.9	796.9	798.9	800.4	804.5	809.0	813.0	815.0	815.0	812.5	811.0
35°	689.4	690.9	693.9	698.0	703.0	708.6	717.6	719.7	721.2	721.2	719.2
37.5°	578.9	578.4	581.4	584.9	588.0	592.0	598.6	600.1	602.6	601.6	599.5
40°	471.4	468.8	467.8	468.8	472.4	470.9	472.4	471.4	471.4	467.8	467.8
42.5°	371.9	368.9	366.9	365.4	365.4	361.8	359.3	356.8	355.3	352.8	352.3
45°	286.7	283.1	280.6	279.6	278.1	273.5	270.5	267.5	263.9	262.9	263.4
47.5°	222.6	219.0	218.0	215.5	213.0	210.5	208.4	204.9	204.4	202.4	204.4
50°	171.6	170.6	169.1	168.1	166.5	164.5	162.5	160.5	159.5	159.5	160.0
52.5°	133.2	133.7	132.2	130.7	129.7	129.7	127.2	126.7	126.7	124.7	126.7
55°	102.0	101.4	102.0	100.9	100.9	99.4	99.4	97.9	97.9	96.4	97.4
57.5°	74.7	75.7	74.7	75.2	76.2	74.7	74.2	72.7	73.7	72.7	73.2
60°	58.0	58.0	58.0	57.5	57.5	57.0	57.0	56.5	56.5	55.5	56.5
62.5°	42.9	43.4	43.4	43.4	43.9	43.4	42.9	43.4	42.9	42.9	43.4
65°	28.3	28.8	28.8	28.3	29.3	28.3	28.8	29.3	29.8	29.3	29.8
67.5°	19.2	19.2	19.7	20.2	19.7	20.2	20.7	20.2	20.7	21.7	20.7
70°	14.1	14.6	14.6	14.1	13.6	14.1	13.6	15.1	15.1	15.1	16.1
72.5°	9.1	9.1	8.6	8.6	8.6	8.6	8.6	10.1	9.1	8.6	9.6
75°	5.0	5.5	5.5	4.0	4.5	5.5	4.0	4.5	6.1	5.0	6.1
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	4.0	3.5	3.5	3.5	4.0
80°	2.5	2.0	2.0	1.5	2.0	2.0	2.0	3.0	2.5	2.5	3.0
82.5°	1.0	1.0	0.5	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
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: P245955

CATALOG NUMBER: LD8B30D010 ER8B309730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6
2.5°	1032.6	1032.6	1032.1	1031.1	1029.0	1029.0	1028.5	1027.0	1026.0	1025.5	1025.5
5°	1027.5	1025.5	1023.5	1017.9	1017.9	1016.9	1013.9	1011.9	1010.9	1008.3	1007.3
7.5°	1023.0	1016.9	1013.4	1009.9	1005.3	1003.3	999.8	998.2	994.7	992.2	990.7
10°	1011.9	1007.8	1003.3	997.7	994.2	990.2	986.1	983.1	978.6	976.0	974.0
12.5°	1004.3	998.2	994.2	988.1	982.1	978.6	973.0	969.5	964.9	959.9	956.9
15°	997.2	990.7	985.1	978.6	972.0	968.0	961.4	957.4	950.8	945.8	942.2
17.5°	986.7	981.1	975.0	967.0	960.9	955.9	948.8	943.8	937.7	931.1	927.6
20°	975.5	969.0	962.9	954.8	948.8	942.7	935.7	930.1	923.0	917.0	913.0
22.5°	960.9	953.3	948.3	940.2	933.1	926.6	920.0	913.5	906.9	901.9	897.3
25°	939.7	931.6	926.1	919.5	913.0	907.9	899.8	895.8	889.2	884.7	880.1
27.5°	909.4	903.4	898.3	891.8	886.2	882.2	876.1	872.1	866.5	862.5	859.0
30°	865.0	860.0	855.4	848.9	844.8	841.3	835.7	832.2	828.2	823.6	822.6
32.5°	805.5	801.4	796.9	792.3	789.3	787.3	782.7	780.7	776.7	774.2	771.7
35°	715.6	712.1	709.6	707.6	706.5	707.0	706.1	708.1	709.1	708.6	709.1
37.5°	598.1	596.0	597.0	598.6	603.6	610.2	616.2	625.3	631.4	637.4	643.0
40°	466.8	468.3	472.4	481.5	494.6	509.2	522.9	540.0	557.2	569.3	580.4
42.5°	352.3	356.8	366.9	380.0	399.7	421.4	442.6	467.8	488.5	508.7	522.9
45°	265.0	271.0	284.1	302.3	324.0	349.2	376.0	404.2	429.0	449.7	465.3
47.5°	206.4	212.0	225.1	244.3	271.0	297.3	325.0	354.3	380.0	400.2	413.8
50°	163.0	170.1	181.7	201.9	228.6	256.4	285.1	313.9	338.1	355.3	367.4
52.5°	128.2	134.8	145.8	167.1	194.3	222.1	248.8	277.1	298.3	314.9	323.0
55°	99.4	105.5	117.1	134.8	160.5	187.7	214.5	238.7	258.4	270.5	278.1
57.5°	75.7	80.2	88.3	106.0	129.2	154.4	177.2	201.4	216.5	225.1	230.1
60°	57.5	61.1	69.7	83.3	104.5	126.2	145.3	163.5	175.6	182.7	187.7
62.5°	43.4	47.4	53.5	65.1	81.2	98.9	115.1	128.7	138.8	143.3	146.9
65°	29.8	32.8	37.3	46.4	60.1	72.7	85.3	95.4	102.0	107.0	109.0
67.5°	22.2	24.2	26.8	33.8	43.4	53.5	62.1	69.1	76.2	78.2	81.8
70°	16.7	18.2	20.7	25.7	31.3	38.3	45.4	49.5	54.5	58.0	59.1
72.5°	10.6	11.1	13.6	16.7	21.2	25.7	30.3	33.8	36.9	38.9	39.9
75°	6.1	9.1	9.1	12.1	15.1	17.2	20.2	22.7	24.2	25.7	25.7
77.5°	4.0	5.5	6.1	7.6	9.1	11.6	14.1	15.6	17.2	17.7	17.7
80°	3.5	4.0	4.0	5.5	6.6	8.6	10.1	10.6	11.6	12.1	13.1
82.5°	1.5	2.0	2.5	4.0	4.5	4.5	6.1	6.6	7.6	8.1	8.1
85°	0.5	1.0	1.0	1.5	2.5	3.0	3.5	4.0	4.5	4.5	5.0
87.5°	0.5	0.5	0.0	0.5	1.0	1.0	2.0	2.0	2.0	3.0	3.0
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: P245955

CATALOG NUMBER: LD8B30D010 ER8B309730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6	1033.6
2.5°	1024.5	1025.0	1023.0	1022.5	1021.5	1022.0	1023.0
5°	1005.8	1006.3	1004.3	1002.3	1002.3	1001.8	1002.3
7.5°	988.1	988.7	985.6	984.6	982.6	983.1	983.1
10°	970.5	970.5	966.0	965.4	963.9	963.4	963.4
12.5°	953.3	951.8	948.3	946.3	947.3	944.3	944.3
15°	938.2	935.7	931.1	929.6	927.1	926.1	926.1
17.5°	922.5	920.5	916.5	913.5	910.4	909.9	910.4
20°	907.4	905.4	900.3	898.3	895.8	895.8	894.8
22.5°	892.3	890.2	885.7	884.2	880.7	880.7	881.2
25°	876.6	875.1	870.1	869.1	868.6	866.5	867.5
27.5°	855.4	854.4	850.4	848.9	846.8	846.4	847.3
30°	816.6	815.0	812.0	810.5	807.0	807.5	808.5
32.5°	768.1	766.1	762.1	760.5	757.5	756.5	757.0
35°	707.6	706.1	702.5	702.5	699.5	698.5	699.5
37.5°	646.0	647.5	646.0	647.5	646.0	645.5	646.0
40°	588.0	593.5	594.5	600.1	598.1	601.1	600.6
42.5°	532.4	541.5	545.1	549.6	548.6	550.6	552.1
45°	476.4	484.0	487.5	490.6	491.1	492.1	492.6
47.5°	423.4	429.5	430.0	433.5	433.0	433.0	434.5
50°	374.0	378.0	379.0	381.5	379.5	378.5	379.0
52.5°	328.0	332.1	331.1	332.1	329.6	328.5	329.0
55°	281.1	283.1	283.1	283.1	280.1	280.1	280.1
57.5°	233.2	233.7	232.7	233.2	232.7	229.6	229.1
60°	189.3	189.3	188.7	189.3	187.7	186.2	186.2
62.5°	147.9	148.9	150.9	148.9	147.9	148.9	147.4
65°	110.5	112.5	112.0	113.0	112.5	112.5	111.5
67.5°	83.3	83.8	84.3	84.8	84.8	84.8	84.8
70°	61.1	62.6	62.1	62.1	62.1	62.1	65.1
72.5°	40.9	42.9	42.4	43.4	43.4	44.4	43.4
75°	27.8	29.8	28.8	30.3	29.8	28.8	31.3
77.5°	18.7	19.7	20.2	20.7	20.2	19.7	20.2
80°	13.1	14.1	13.6	14.1	14.1	14.1	14.6
82.5°	8.1	9.6	9.1	9.6	9.1	9.6	9.6
85°	5.5	6.1	5.0	6.1	5.5	5.5	6.6
87.5°	3.5	3.0	3.0	3.5	3.0	3.5	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)