

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: P244580

Luminaire Tested: **LD8B20D010 ER8B20927 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244580
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1717.9 lumens
Efficiency: N/A
Efficacy: 80.7 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

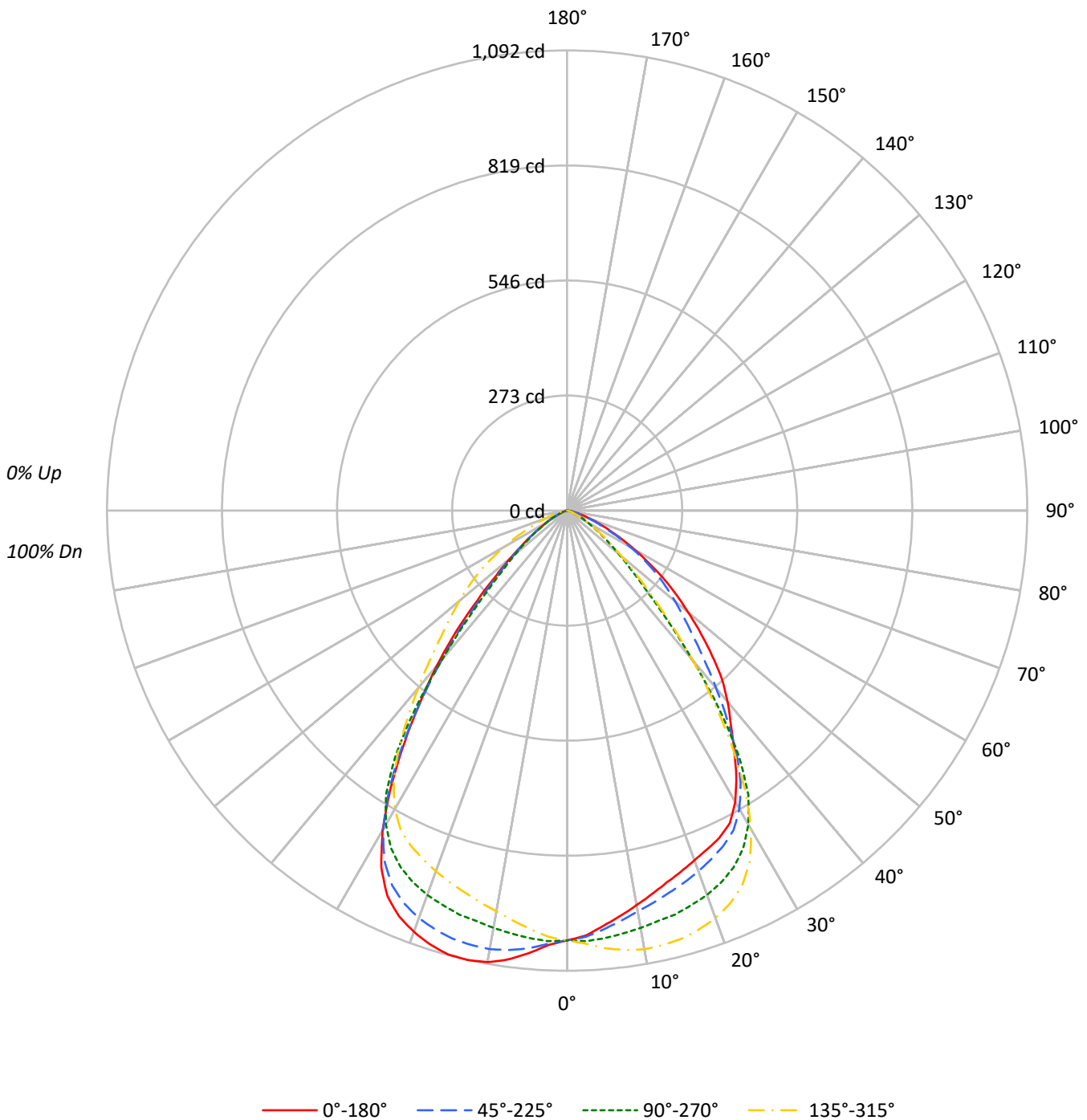
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	97.1	5.7
10°-20°	281.1	16.4
20°-30°	425.6	24.8
30°-40°	426.6	24.8
40°-50°	267.9	15.6
50°-60°	142.8	8.3
60°-70°	58.7	3.4
70°-80°	15.5	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°	803.8	46.8
0°-40°	1230.4	71.6
0°-60°	1641.0	95.5
0°-90°	1717.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1717.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1020	1020	1020	1020	1020	
5°	989	1018	1055	1018	989	93
15°	914	992	1091	992	914	258
25°	856	934	1009	934	856	393
35°	690	710	673	710	690	432
45°	486	260	301	260	486	374
55°	276	96	102	96	276	246
65°	110	29	27	29	110	114
75°	31	6	5	6	31	35
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°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1009.4	1008.3	1007.9	1008.9	1009.4	1011.4	1010.9	1011.8	1011.8	1012.4	1013.4
5°	989.0	988.4	989.0	989.0	991.0	992.9	992.5	993.9	995.0	997.4	998.4
7.5°	970.1	970.1	969.5	971.6	972.6	975.5	975.0	977.5	979.0	981.4	984.9
10°	950.6	950.6	951.1	952.6	953.1	957.6	957.6	961.1	963.1	965.6	970.1
12.5°	931.7	931.7	934.6	933.8	935.7	939.2	940.6	944.1	947.1	952.1	956.6
15°	913.7	913.7	914.7	917.2	918.8	923.3	925.8	929.7	933.2	938.1	944.7
17.5°	898.3	897.9	898.3	901.4	904.3	908.3	910.2	915.3	918.8	925.2	931.3
20°	882.9	883.9	883.9	886.4	888.4	893.4	895.4	900.8	904.8	910.8	917.8
22.5°	869.5	869.0	869.0	872.4	873.9	878.4	880.4	885.4	889.9	894.8	901.4
25°	856.0	855.0	857.0	857.5	858.5	863.4	865.0	868.5	873.0	877.4	883.9
27.5°	836.1	835.1	835.6	837.6	839.1	843.1	844.1	847.6	851.1	855.0	860.5
30°	797.7	796.7	796.3	799.8	801.2	804.3	805.7	811.7	812.7	817.2	821.1
32.5°	747.0	746.4	747.4	750.5	751.9	755.9	757.9	761.4	763.9	766.4	770.4
35°	690.2	689.2	690.2	693.2	693.2	696.7	698.2	699.6	699.2	699.6	698.6
37.5°	637.4	636.9	637.4	638.9	637.4	638.9	637.4	634.4	629.0	622.9	616.9
40°	592.5	593.1	590.1	592.1	586.6	585.7	580.2	572.6	561.7	549.8	532.8
42.5°	544.8	543.3	541.4	542.2	537.9	534.3	525.4	515.9	502.0	482.1	461.6
45°	486.0	485.6	484.5	484.1	481.0	477.6	470.0	459.1	443.7	423.3	398.9
47.5°	428.7	427.3	427.3	427.7	424.2	423.8	417.8	408.4	394.9	375.0	349.5
50°	374.0	373.5	374.5	376.4	374.0	372.9	369.0	362.5	350.6	333.7	309.7
52.5°	324.7	324.2	325.2	327.7	326.7	327.7	323.7	318.7	310.7	294.3	273.4
55°	276.4	276.4	276.4	279.3	279.3	279.3	277.3	274.4	267.0	254.9	235.6
57.5°	226.1	226.6	229.6	230.1	229.6	230.6	230.1	227.0	222.1	213.6	198.7
60°	183.7	183.7	185.3	186.8	186.2	186.8	186.8	185.3	180.2	173.2	161.3
62.5°	145.4	146.9	145.9	146.9	148.8	146.9	145.9	144.9	141.4	136.9	127.0
65°	110.0	111.0	111.0	111.6	110.6	111.0	109.0	107.6	105.5	100.6	94.2
67.5°	83.7	83.7	83.7	83.7	83.1	82.7	82.1	80.7	77.2	75.1	68.2
70°	64.2	61.2	61.2	61.2	61.2	61.8	60.3	58.3	57.3	53.8	48.8
72.5°	42.9	43.9	42.9	42.9	41.8	42.3	40.4	39.4	38.4	36.3	33.4
75°	30.8	28.4	29.4	29.9	28.4	29.4	27.3	25.4	25.4	23.8	22.4
77.5°	19.9	19.5	19.9	20.4	19.9	19.5	18.4	17.4	17.4	16.9	15.4
80°	14.4	14.0	14.0	14.0	13.5	14.0	12.9	12.9	11.9	11.5	10.5
82.5°	9.5	9.5	9.0	9.5	9.0	9.5	8.0	8.0	8.0	7.4	6.5
85°	6.5	5.5	5.5	6.0	5.0	6.0	5.5	5.0	4.5	4.5	3.9
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°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1014.9	1015.3	1015.3	1017.3	1018.4	1018.8	1018.8	1022.8	1021.4	1022.4	1023.3
5°	1000.5	1003.4	1004.4	1004.4	1009.9	1011.8	1013.8	1018.4	1018.8	1021.8	1025.3
7.5°	986.5	990.0	992.0	996.4	999.9	1003.4	1009.4	1012.4	1015.3	1019.4	1023.9
10°	973.0	977.1	981.0	984.5	990.0	994.5	998.4	1005.4	1008.9	1014.4	1020.4
12.5°	960.1	965.6	969.1	975.0	981.0	984.9	991.0	997.4	1002.9	1008.3	1015.3
15°	948.6	955.1	959.1	965.6	972.0	977.5	984.0	992.0	996.0	1002.4	1008.9
17.5°	936.2	943.2	948.2	954.1	962.1	968.1	973.6	981.4	986.5	993.5	1000.9
20°	923.3	930.3	936.2	942.2	950.2	956.1	962.6	970.5	976.0	983.0	989.0
22.5°	907.8	914.3	920.7	927.7	935.7	940.6	948.2	955.1	961.1	967.6	973.6
25°	887.8	895.8	900.8	907.3	913.7	919.2	927.2	934.2	939.2	945.1	950.6
27.5°	864.4	870.4	874.5	879.9	886.4	891.3	897.3	904.3	909.3	914.7	918.8
30°	824.6	830.1	833.6	837.6	844.1	848.6	853.5	860.0	863.4	867.5	871.0
32.5°	772.3	776.8	778.8	781.8	786.3	790.8	794.8	800.2	801.8	804.3	804.3
35°	696.7	697.6	697.2	698.2	700.2	702.7	706.2	709.6	711.6	711.6	710.1
37.5°	608.1	602.1	595.6	590.6	589.1	588.2	590.1	591.6	593.6	594.6	592.1
40°	515.9	502.4	488.0	475.1	466.1	462.2	460.6	461.6	461.6	465.1	465.1
42.5°	436.7	415.8	394.4	375.0	362.0	352.1	347.6	347.6	348.1	350.6	352.1
45°	371.0	344.6	319.7	298.2	280.3	267.4	261.4	260.0	259.4	260.4	263.9
47.5°	320.7	293.3	267.4	241.0	222.1	209.1	203.6	201.7	199.7	201.7	202.2
50°	281.4	253.0	225.6	199.2	179.2	167.8	160.9	157.8	157.4	157.4	158.4
52.5°	245.5	219.2	191.7	164.8	143.9	133.0	126.4	125.0	123.0	125.0	125.0
55°	211.6	185.3	158.4	133.0	115.5	104.1	98.1	96.1	95.1	96.6	96.6
57.5°	174.8	152.3	127.5	104.6	87.2	79.2	74.7	72.2	71.7	72.7	71.7
60°	143.4	124.5	103.0	82.1	68.7	60.3	56.8	55.8	54.8	55.8	55.8
62.5°	113.5	97.6	80.2	64.2	52.8	46.8	42.9	42.9	42.3	42.3	42.9
65°	84.1	71.7	59.3	45.8	36.9	32.4	29.4	29.4	28.9	29.4	28.9
67.5°	61.2	52.8	42.9	33.4	26.4	23.8	21.9	20.4	21.4	20.4	19.9
70°	44.8	37.8	30.8	25.4	20.4	17.9	16.4	16.0	15.0	15.0	15.0
72.5°	29.9	25.4	20.9	16.4	13.5	10.9	10.5	9.5	8.4	9.0	10.0
75°	19.9	16.9	15.0	11.9	9.0	9.0	6.0	6.0	5.0	6.0	4.5
77.5°	14.0	11.5	9.0	7.4	6.0	5.5	3.9	3.9	3.5	3.5	3.5
80°	10.0	8.4	6.5	5.5	3.9	3.9	3.5	3.0	2.5	2.5	3.0
82.5°	6.0	4.5	4.5	3.9	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	0.4	0.0	0.4	0.4	0.0
87.5°	2.0	1.0	1.0	0.4	0.0	0.4	0.4	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°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1025.9	1025.3	1026.3	1026.3	1029.3	1028.8	1030.3	1030.3	1029.3	1029.8	1031.9
5°	1029.3	1030.8	1033.8	1036.2	1040.7	1042.8	1045.2	1047.7	1048.3	1049.7	1051.2
7.5°	1029.3	1034.3	1037.8	1042.2	1048.3	1051.8	1057.2	1061.7	1063.7	1066.2	1069.1
10°	1027.4	1032.3	1038.7	1043.8	1051.2	1056.7	1062.2	1069.1	1072.1	1076.1	1080.1
12.5°	1023.3	1028.8	1035.8	1042.2	1050.8	1055.7	1062.7	1069.1	1073.6	1079.1	1083.6
15°	1017.3	1023.9	1030.3	1036.8	1045.7	1051.8	1058.2	1065.7	1070.1	1076.1	1080.1
17.5°	1007.9	1014.9	1020.8	1026.8	1035.3	1042.2	1048.3	1055.2	1059.8	1064.7	1070.1
20°	996.4	1002.9	1009.4	1014.4	1022.8	1028.8	1035.3	1041.8	1045.2	1046.2	1054.7
22.5°	982.0	986.5	991.5	999.4	1004.4	1009.9	1015.9	1021.8	1025.3	1030.8	1033.8
25°	958.0	962.6	968.1	971.6	977.5	982.0	988.0	994.5	996.4	1000.5	1003.4
27.5°	924.8	927.2	929.7	932.7	936.2	938.7	942.2	945.1	947.1	949.2	951.1
30°	872.0	872.0	872.0	870.0	871.4	873.0	873.4	873.0	873.0	872.4	872.4
32.5°	802.2	798.3	793.8	789.8	788.3	786.3	785.2	783.8	781.3	779.8	780.3
35°	708.1	699.2	693.7	688.7	684.7	681.8	680.3	678.7	678.3	676.2	674.2
37.5°	590.6	584.1	580.2	577.1	573.6	570.7	571.2	571.7	573.2	572.2	572.6
40°	466.1	464.6	466.1	462.6	461.6	462.6	465.1	468.6	470.6	472.6	476.1
42.5°	354.6	357.1	360.6	360.6	362.0	364.0	367.0	372.5	375.4	378.9	383.0
45°	267.0	269.9	274.4	275.8	276.9	279.3	282.8	287.3	289.3	292.3	295.8
47.5°	205.6	207.7	210.2	212.6	215.1	216.1	219.6	219.6	222.1	224.1	225.1
50°	160.3	162.3	164.4	165.8	166.8	168.3	169.3	170.8	171.3	172.4	172.8
52.5°	125.4	128.0	128.0	128.9	130.5	132.0	131.5	132.0	132.4	132.4	134.0
55°	98.1	98.1	99.6	99.6	100.6	100.1	100.6	100.6	100.6	100.6	101.1
57.5°	73.2	73.7	75.1	74.2	73.7	74.7	73.7	74.7	74.2	75.1	73.7
60°	56.2	56.2	56.8	56.8	57.3	57.3	57.3	56.8	56.8	56.2	56.2
62.5°	42.3	42.9	43.3	42.9	42.9	42.9	42.3	42.3	41.8	41.3	41.3
65°	28.4	27.9	28.9	27.9	28.4	28.4	27.9	28.4	26.9	27.3	26.9
67.5°	20.4	19.9	19.5	19.9	19.5	18.9	18.9	19.5	19.9	18.4	18.4
70°	13.5	14.0	13.5	14.0	14.4	14.4	14.0	13.5	14.0	12.9	13.5
72.5°	8.4	8.4	8.4	8.4	8.4	9.0	9.0	9.0	8.0	8.0	7.4
75°	3.9	5.5	4.5	3.9	5.5	5.5	5.0	5.0	4.5	4.5	4.5
77.5°	3.9	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	0.4	1.0	1.0	0.4	1.0	1.0	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°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1031.3	1030.8	1031.3	1031.9	1031.3	1030.8	1031.3	1031.9	1029.8	1029.3	1030.3
5°	1053.2	1053.2	1054.2	1054.7	1054.2	1053.2	1053.2	1051.2	1049.7	1048.3	1047.7
7.5°	1072.1	1073.1	1074.1	1074.6	1074.1	1073.1	1072.1	1069.1	1066.2	1063.7	1061.7
10°	1083.6	1085.1	1087.1	1088.1	1087.1	1085.1	1083.6	1080.1	1076.1	1072.1	1069.1
12.5°	1088.6	1090.1	1092.6	1092.0	1092.6	1090.1	1088.6	1083.6	1079.1	1073.6	1069.1
15°	1085.1	1087.1	1089.6	1090.6	1089.6	1087.1	1085.1	1080.1	1076.1	1070.1	1065.7
17.5°	1074.1	1077.1	1078.6	1080.1	1078.6	1077.1	1074.1	1070.1	1064.7	1059.8	1055.2
20°	1059.2	1061.2	1063.1	1063.7	1063.1	1061.2	1059.2	1054.7	1046.2	1045.2	1041.8
22.5°	1037.8	1039.3	1043.8	1042.2	1043.8	1039.3	1037.8	1033.8	1030.8	1025.3	1021.8
25°	1006.9	1008.3	1008.9	1009.4	1008.9	1008.3	1006.9	1003.4	1000.5	996.4	994.5
27.5°	953.7	953.7	954.6	955.1	954.6	953.7	953.7	951.1	949.2	947.1	945.1
30°	873.0	873.0	873.0	875.5	873.0	873.0	873.0	872.4	872.4	873.0	873.0
32.5°	779.8	778.8	777.8	778.8	777.8	778.8	779.8	780.3	779.8	781.3	783.8
35°	674.2	673.8	675.2	673.3	675.2	673.8	674.2	674.2	676.2	678.3	678.7
37.5°	573.2	572.2	574.2	572.2	574.2	572.2	573.2	572.6	572.2	573.2	571.7
40°	477.1	478.0	478.0	482.1	478.0	478.0	477.1	476.1	472.6	470.6	468.6
42.5°	385.0	387.9	386.9	389.9	386.9	387.9	385.0	383.0	378.9	375.4	372.5
45°	297.8	299.8	299.8	300.8	299.8	299.8	297.8	295.8	292.3	289.3	287.3
47.5°	228.6	228.6	228.6	229.0	228.6	228.6	228.6	225.1	224.1	222.1	219.6
50°	173.8	174.3	174.8	175.3	174.8	174.3	173.8	172.8	172.4	171.3	170.8
52.5°	133.4	134.0	133.0	134.0	133.0	134.0	133.4	134.0	132.4	132.4	132.0
55°	101.1	100.6	101.1	101.6	101.1	100.6	101.1	101.1	100.6	100.6	100.6
57.5°	74.2	73.2	73.2	73.2	73.2	73.2	74.2	73.7	75.1	74.2	74.7
60°	55.2	55.8	55.8	56.2	55.8	55.8	55.2	56.2	56.2	56.8	56.8
62.5°	40.8	42.3	41.3	42.3	41.3	42.3	40.8	41.3	41.3	41.8	42.3
65°	26.4	26.4	26.4	26.9	26.4	26.4	26.4	26.9	27.3	26.9	28.4
67.5°	17.9	18.4	19.5	18.9	19.5	18.4	17.9	18.4	18.4	19.9	19.5
70°	14.4	12.9	12.9	14.4	12.9	12.9	14.4	13.5	12.9	14.0	13.5
72.5°	8.4	7.4	8.4	8.4	8.4	7.4	8.4	7.4	8.0	8.0	9.0
75°	4.5	3.9	3.5	5.0	3.5	3.9	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°	0.4	1.0	1.0	1.0	1.0	1.0	0.4	0.4	1.0	1.0	0.4
85°	0.0	1.0	0.4	0.4	0.4	1.0	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: P244580

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1030.3	1028.8	1029.3	1026.3	1026.3	1025.3	1025.9	1023.3	1022.4	1021.4	1022.8
5°	1045.2	1042.8	1040.7	1036.2	1033.8	1030.8	1029.3	1025.3	1021.8	1018.8	1018.4
7.5°	1057.2	1051.8	1048.3	1042.2	1037.8	1034.3	1029.3	1023.9	1019.4	1015.3	1012.4
10°	1062.2	1056.7	1051.2	1043.8	1038.7	1032.3	1027.4	1020.4	1014.4	1008.9	1005.4
12.5°	1062.7	1055.7	1050.8	1042.2	1035.8	1028.8	1023.3	1015.3	1008.3	1002.9	997.4
15°	1058.2	1051.8	1045.7	1036.8	1030.3	1023.9	1017.3	1008.9	1002.4	996.0	992.0
17.5°	1048.3	1042.2	1035.3	1026.8	1020.8	1014.9	1007.9	1000.9	993.5	986.5	981.4
20°	1035.3	1028.8	1022.8	1014.4	1009.4	1002.9	996.4	989.0	983.0	976.0	970.5
22.5°	1015.9	1009.9	1004.4	999.4	991.5	986.5	982.0	973.6	967.6	961.1	955.1
25°	988.0	982.0	977.5	971.6	968.1	962.6	958.0	950.6	945.1	939.2	934.2
27.5°	942.2	938.7	936.2	932.7	929.7	927.2	924.8	918.8	914.7	909.3	904.3
30°	873.4	873.0	871.4	870.0	872.0	872.0	872.0	871.0	867.5	863.4	860.0
32.5°	785.2	786.3	788.3	789.8	793.8	798.3	802.2	804.3	804.3	801.8	800.2
35°	680.3	681.8	684.7	688.7	693.7	699.2	708.1	710.1	711.6	711.6	709.6
37.5°	571.2	570.7	573.6	577.1	580.2	584.1	590.6	592.1	594.6	593.6	591.6
40°	465.1	462.6	461.6	462.6	466.1	464.6	466.1	465.1	465.1	461.6	461.6
42.5°	367.0	364.0	362.0	360.6	360.6	357.1	354.6	352.1	350.6	348.1	347.6
45°	282.8	279.3	276.9	275.8	274.4	269.9	267.0	263.9	260.4	259.4	260.0
47.5°	219.6	216.1	215.1	212.6	210.2	207.7	205.6	202.2	201.7	199.7	201.7
50°	169.3	168.3	166.8	165.8	164.4	162.3	160.3	158.4	157.4	157.4	157.8
52.5°	131.5	132.0	130.5	128.9	128.0	128.0	125.4	125.0	125.0	123.0	125.0
55°	100.6	100.1	100.6	99.6	99.6	98.1	98.1	96.6	96.6	95.1	96.1
57.5°	73.7	74.7	73.7	74.2	75.1	73.7	73.2	71.7	72.7	71.7	72.2
60°	57.3	57.3	57.3	56.8	56.8	56.2	56.2	55.8	55.8	54.8	55.8
62.5°	42.3	42.9	42.9	42.9	43.3	42.9	42.3	42.9	42.3	42.3	42.9
65°	27.9	28.4	28.4	27.9	28.9	27.9	28.4	28.9	29.4	28.9	29.4
67.5°	18.9	18.9	19.5	19.9	19.5	19.9	20.4	19.9	20.4	21.4	20.4
70°	14.0	14.4	14.4	14.0	13.5	14.0	13.5	15.0	15.0	15.0	16.0
72.5°	9.0	9.0	8.4	8.4	8.4	8.4	8.4	10.0	9.0	8.4	9.5
75°	5.0	5.5	5.5	3.9	4.5	5.5	3.9	4.5	6.0	5.0	6.0
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.9	3.5	3.5	3.5	3.9
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	0.4	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	0.4	0.4	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: P244580

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1018.8	1018.8	1018.4	1017.3	1015.3	1015.3	1014.9	1013.4	1012.4	1011.8	1011.8
5°	1013.8	1011.8	1009.9	1004.4	1004.4	1003.4	1000.5	998.4	997.4	995.0	993.9
7.5°	1009.4	1003.4	999.9	996.4	992.0	990.0	986.5	984.9	981.4	979.0	977.5
10°	998.4	994.5	990.0	984.5	981.0	977.1	973.0	970.1	965.6	963.1	961.1
12.5°	991.0	984.9	981.0	975.0	969.1	965.6	960.1	956.6	952.1	947.1	944.1
15°	984.0	977.5	972.0	965.6	959.1	955.1	948.6	944.7	938.1	933.2	929.7
17.5°	973.6	968.1	962.1	954.1	948.2	943.2	936.2	931.3	925.2	918.8	915.3
20°	962.6	956.1	950.2	942.2	936.2	930.3	923.3	917.8	910.8	904.8	900.8
22.5°	948.2	940.6	935.7	927.7	920.7	914.3	907.8	901.4	894.8	889.9	885.4
25°	927.2	919.2	913.7	907.3	900.8	895.8	887.8	883.9	877.4	873.0	868.5
27.5°	897.3	891.3	886.4	879.9	874.5	870.4	864.4	860.5	855.0	851.1	847.6
30°	853.5	848.6	844.1	837.6	833.6	830.1	824.6	821.1	817.2	812.7	811.7
32.5°	794.8	790.8	786.3	781.8	778.8	776.8	772.3	770.4	766.4	763.9	761.4
35°	706.2	702.7	700.2	698.2	697.2	697.6	696.7	698.6	699.6	699.2	699.6
37.5°	590.1	588.2	589.1	590.6	595.6	602.1	608.1	616.9	622.9	629.0	634.4
40°	460.6	462.2	466.1	475.1	488.0	502.4	515.9	532.8	549.8	561.7	572.6
42.5°	347.6	352.1	362.0	375.0	394.4	415.8	436.7	461.6	482.1	502.0	515.9
45°	261.4	267.4	280.3	298.2	319.7	344.6	371.0	398.9	423.3	443.7	459.1
47.5°	203.6	209.1	222.1	241.0	267.4	293.3	320.7	349.5	375.0	394.9	408.4
50°	160.9	167.8	179.2	199.2	225.6	253.0	281.4	309.7	333.7	350.6	362.5
52.5°	126.4	133.0	143.9	164.8	191.7	219.2	245.5	273.4	294.3	310.7	318.7
55°	98.1	104.1	115.5	133.0	158.4	185.3	211.6	235.6	254.9	267.0	274.4
57.5°	74.7	79.2	87.2	104.6	127.5	152.3	174.8	198.7	213.6	222.1	227.0
60°	56.8	60.3	68.7	82.1	103.0	124.5	143.4	161.3	173.2	180.2	185.3
62.5°	42.9	46.8	52.8	64.2	80.2	97.6	113.5	127.0	136.9	141.4	144.9
65°	29.4	32.4	36.9	45.8	59.3	71.7	84.1	94.2	100.6	105.5	107.6
67.5°	21.9	23.8	26.4	33.4	42.9	52.8	61.2	68.2	75.1	77.2	80.7
70°	16.4	17.9	20.4	25.4	30.8	37.8	44.8	48.8	53.8	57.3	58.3
72.5°	10.5	10.9	13.5	16.4	20.9	25.4	29.9	33.4	36.3	38.4	39.4
75°	6.0	9.0	9.0	11.9	15.0	16.9	19.9	22.4	23.8	25.4	25.4
77.5°	3.9	5.5	6.0	7.4	9.0	11.5	14.0	15.4	16.9	17.4	17.4
80°	3.5	3.9	3.9	5.5	6.5	8.4	10.0	10.5	11.5	11.9	12.9
82.5°	1.5	2.0	2.5	3.9	4.5	4.5	6.0	6.5	7.4	8.0	8.0
85°	0.4	1.0	1.0	1.5	2.5	3.0	3.5	3.9	4.5	4.5	5.0
87.5°	0.4	0.4	0.0	0.4	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: P244580

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1010.9	1011.4	1009.4	1008.9	1007.9	1008.3	1009.4
5°	992.5	992.9	991.0	989.0	989.0	988.4	989.0
7.5°	975.0	975.5	972.6	971.6	969.5	970.1	970.1
10°	957.6	957.6	953.1	952.6	951.1	950.6	950.6
12.5°	940.6	939.2	935.7	933.8	934.6	931.7	931.7
15°	925.8	923.3	918.8	917.2	914.7	913.7	913.7
17.5°	910.2	908.3	904.3	901.4	898.3	897.9	898.3
20°	895.4	893.4	888.4	886.4	883.9	883.9	882.9
22.5°	880.4	878.4	873.9	872.4	869.0	869.0	869.5
25°	865.0	863.4	858.5	857.5	857.0	855.0	856.0
27.5°	844.1	843.1	839.1	837.6	835.6	835.1	836.1
30°	805.7	804.3	801.2	799.8	796.3	796.7	797.7
32.5°	757.9	755.9	751.9	750.5	747.4	746.4	747.0
35°	698.2	696.7	693.2	693.2	690.2	689.2	690.2
37.5°	637.4	638.9	637.4	638.9	637.4	636.9	637.4
40°	580.2	585.7	586.6	592.1	590.1	593.1	592.5
42.5°	525.4	534.3	537.9	542.2	541.4	543.3	544.8
45°	470.0	477.6	481.0	484.1	484.5	485.6	486.0
47.5°	417.8	423.8	424.2	427.7	427.3	427.3	428.7
50°	369.0	372.9	374.0	376.4	374.5	373.5	374.0
52.5°	323.7	327.7	326.7	327.7	325.2	324.2	324.7
55°	277.3	279.3	279.3	279.3	276.4	276.4	276.4
57.5°	230.1	230.6	229.6	230.1	229.6	226.6	226.1
60°	186.8	186.8	186.2	186.8	185.3	183.7	183.7
62.5°	145.9	146.9	148.8	146.9	145.9	146.9	145.4
65°	109.0	111.0	110.6	111.6	111.0	111.0	110.0
67.5°	82.1	82.7	83.1	83.7	83.7	83.7	83.7
70°	60.3	61.8	61.2	61.2	61.2	61.2	64.2
72.5°	40.4	42.3	41.8	42.9	42.9	43.9	42.9
75°	27.3	29.4	28.4	29.9	29.4	28.4	30.8
77.5°	18.4	19.5	19.9	20.4	19.9	19.5	19.9
80°	12.9	14.0	13.5	14.0	14.0	14.0	14.4
82.5°	8.0	9.5	9.0	9.5	9.0	9.5	9.5
85°	5.5	6.0	5.0	6.0	5.5	5.5	6.5
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)