

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: P245888

Luminaire Tested: **LD8B20D010 ER8B20827 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245888
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 ER8B20827 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1572.0 lumens
Efficiency: N/A
Efficacy: 73.8 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

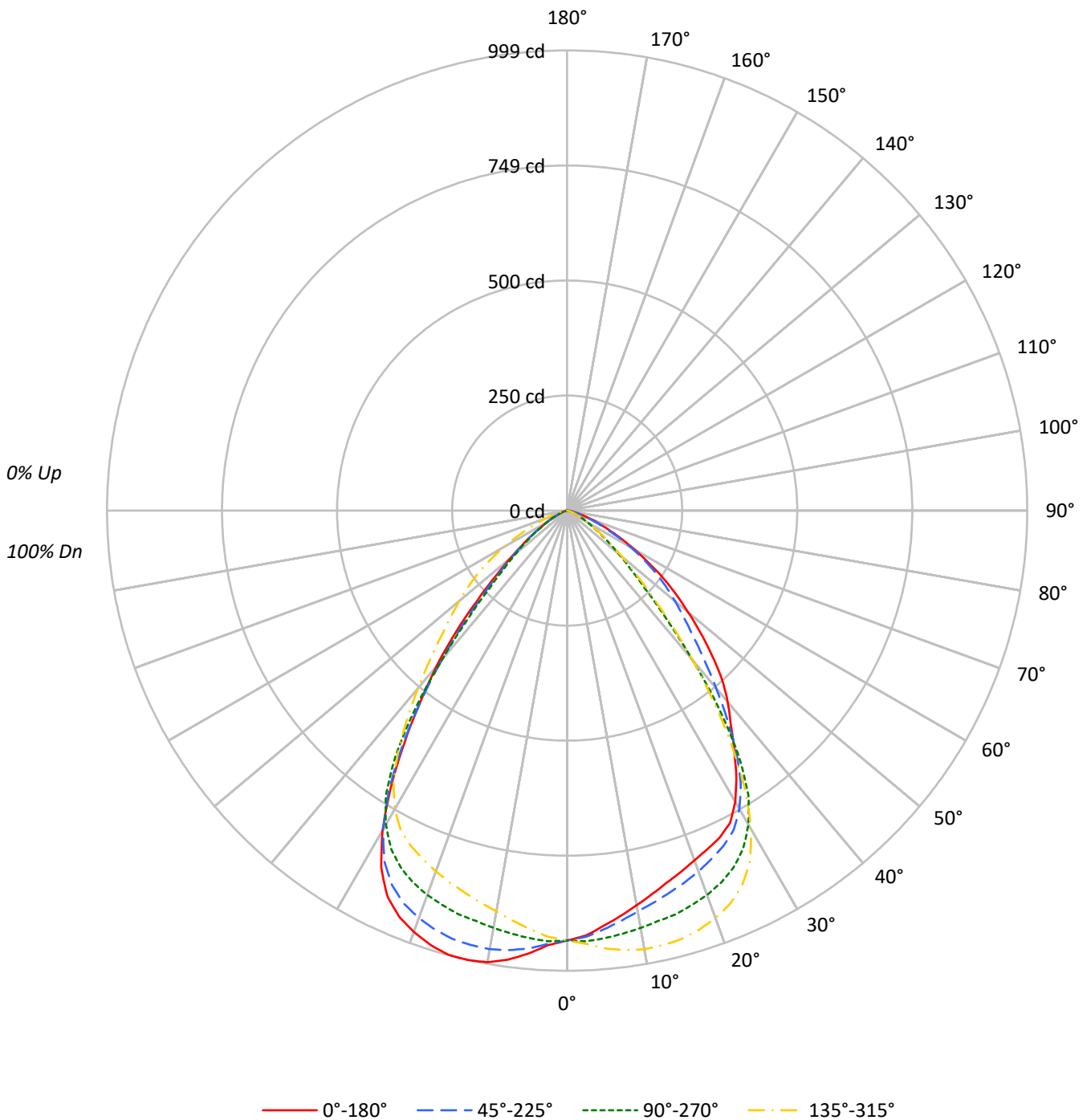
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245888

CATALOG NUMBER: LD8B20D010 ER8B20827 8LBSW0B

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°	28776	28776	28776	28776
5°	28013	28846	29877	28846
10°	27238	28807	31177	28807
15°	26695	28978	31860	28978
20°	26511	29143	31939	29143
25°	26651	29087	31428	29087
30°	25993	28022	28525	28022
35°	23776	24442	23193	24442
40°	21830	17003	17756	17003
45°	19397	10375	12001	10375
50°	16416	6927	7695	6927
55°	13596	4726	5000	4726
60°	10373	3145	3176	3145
65°	7348	1963	1795	1963
70°	5301	1316	1190	1316
75°	3360	655	548	655
80°	2344	479	408	479
85°	2087	0	177	0



TEST NUMBER: P245888

CATALOG NUMBER: LD8B20D010 ER8B20827 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	5.7
10°-20°	257.2	16.4
20°-30°	389.5	24.8
30°-40°	390.4	24.8
40°-50°	245.1	15.6
50°-60°	130.6	8.3
60°-70°	53.7	3.4
70°-80°	14.2	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°	735.6	46.8
0°-40°	1125.9	71.6
0°-60°	1501.7	95.5
0°-90°	1572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1572.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	933	933	933	933	933	
5°	905	932	965	932	905	85
15°	836	908	998	908	836	236
25°	783	855	924	855	783	359
35°	632	649	616	649	632	396
45°	445	238	275	238	445	342
55°	253	88	93	88	253	225
65°	101	27	25	27	101	104
75°	28	6	5	6	28	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°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	923.7	922.8	922.3	923.2	923.7	925.5	925.1	926.0	926.0	926.4	927.3
5°	905.0	904.5	905.0	905.0	906.8	908.6	908.2	909.6	910.5	912.7	913.6
7.5°	887.7	887.7	887.2	889.0	890.0	892.7	892.2	894.5	895.9	898.2	901.3
10°	869.9	869.9	870.4	871.7	872.2	876.3	876.3	879.5	881.3	883.6	887.7
12.5°	852.6	852.6	855.3	854.4	856.2	859.4	860.8	864.0	866.7	871.3	875.4
15°	836.2	836.2	837.1	839.4	840.7	844.8	847.1	850.8	854.0	858.5	864.4
17.5°	822.1	821.6	822.1	824.8	827.5	831.2	833.0	837.6	840.7	846.7	852.1
20°	807.9	808.9	808.9	811.1	812.9	817.5	819.3	824.3	828.0	833.4	839.8
22.5°	795.6	795.2	795.2	798.4	799.7	803.8	805.6	810.2	814.3	818.9	824.8
25°	783.3	782.4	784.2	784.7	785.6	790.2	791.5	794.7	798.8	802.9	808.9
27.5°	765.1	764.2	764.6	766.5	767.8	771.5	772.4	775.6	778.8	782.4	787.4
30°	730.0	729.1	728.7	731.8	733.2	735.9	737.3	742.8	743.7	747.8	751.4
32.5°	683.5	683.1	684.0	686.7	688.1	691.7	693.6	696.7	699.0	701.3	704.9
35°	631.6	630.7	631.6	634.3	634.3	637.5	638.9	640.2	639.8	640.2	639.3
37.5°	583.3	582.8	583.3	584.6	583.3	584.6	583.3	580.6	575.5	570.1	564.6
40°	542.3	542.7	540.0	541.8	536.8	535.9	530.9	524.0	514.0	503.1	487.6
42.5°	498.5	497.2	495.3	496.2	492.2	488.9	480.7	472.1	459.3	441.1	422.4
45°	444.8	444.3	443.4	442.9	440.2	437.0	430.2	420.1	406.0	387.3	365.0
47.5°	392.3	391.0	391.0	391.4	388.2	387.8	382.3	373.7	361.4	343.1	319.9
50°	342.2	341.8	342.7	344.5	342.2	341.3	337.7	331.7	320.8	305.3	283.4
52.5°	297.1	296.7	297.6	299.8	298.9	299.8	296.2	291.6	284.3	269.3	250.2
55°	252.9	252.9	252.9	255.6	255.6	255.6	253.8	251.1	244.2	233.3	215.5
57.5°	206.9	207.3	210.1	210.5	210.1	211.0	210.5	207.8	203.2	195.5	181.8
60°	168.2	168.2	169.5	170.9	170.4	170.9	170.9	169.5	165.0	158.6	147.7
62.5°	133.1	134.4	133.5	134.4	136.2	134.4	133.5	132.6	129.4	125.3	116.2
65°	100.7	101.6	101.6	102.1	101.2	101.6	99.8	98.4	96.6	92.1	86.1
67.5°	76.6	76.6	76.6	76.6	76.1	75.6	75.2	73.8	70.6	68.8	62.4
70°	58.8	56.0	56.0	56.0	56.0	56.5	55.1	53.3	52.4	49.2	44.7
72.5°	39.2	40.1	39.2	39.2	38.3	38.7	36.9	36.0	35.1	33.3	30.5
75°	28.2	26.0	26.9	27.3	26.0	26.9	25.1	23.2	23.2	21.9	20.5
77.5°	18.2	17.8	18.2	18.7	18.2	17.8	16.9	15.9	15.9	15.5	14.1
80°	13.2	12.8	12.8	12.8	12.3	12.8	11.9	11.9	10.9	10.5	9.6
82.5°	8.7	8.7	8.2	8.7	8.2	8.7	7.3	7.3	7.3	6.8	5.9
85°	5.9	5.0	5.0	5.5	4.6	5.5	5.0	4.6	4.1	4.1	3.6
87.5°	2.7	3.2	2.7	3.2	2.7	2.7	3.2	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



TEST NUMBER: P245888

CATALOG NUMBER: LD8B20D010 ER8B20827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	928.7	929.1	929.1	931.0	931.9	932.3	932.3	936.0	934.6	935.5	936.4
5°	915.5	918.2	919.1	919.1	924.1	926.0	927.8	931.9	932.3	935.1	938.3
7.5°	902.7	905.9	907.7	911.8	915.0	918.2	923.7	926.4	929.1	932.8	936.9
10°	890.4	894.1	897.7	900.9	905.9	910.0	913.6	920.0	923.2	928.2	933.7
12.5°	878.6	883.6	886.8	892.2	897.7	901.3	906.8	912.7	917.8	922.8	929.1
15°	868.1	874.0	877.7	883.6	889.5	894.5	900.4	907.7	911.4	917.3	923.2
17.5°	856.7	863.1	867.6	873.1	880.4	885.8	890.9	898.2	902.7	909.1	915.9
20°	844.8	851.2	856.7	862.2	869.5	874.9	880.8	888.1	893.1	899.5	905.0
22.5°	830.7	836.7	842.6	848.9	856.2	860.8	867.6	874.0	879.5	885.4	890.9
25°	812.5	819.8	824.3	830.3	836.2	841.2	848.5	854.9	859.4	864.9	869.9
27.5°	791.1	796.5	800.2	805.2	811.1	815.7	821.1	827.5	832.1	837.1	840.7
30°	754.6	759.6	762.8	766.5	772.4	776.5	781.1	787.0	790.2	793.8	797.0
32.5°	706.8	710.9	712.7	715.4	719.5	723.6	727.3	732.3	733.7	735.9	735.9
35°	637.5	638.4	638.0	638.9	640.7	643.0	646.2	649.3	651.2	651.2	649.8
37.5°	556.4	550.9	545.0	540.4	539.1	538.2	540.0	541.3	543.2	544.1	541.8
40°	472.1	459.8	446.6	434.7	426.5	422.9	421.5	422.4	422.4	425.6	425.6
42.5°	399.6	380.5	360.9	343.1	331.3	322.2	318.1	318.1	318.5	320.8	322.2
45°	339.5	315.3	292.5	273.0	256.6	244.7	239.2	237.9	237.4	238.3	241.5
47.5°	293.5	268.4	244.7	220.6	203.2	191.4	186.4	184.5	182.7	184.5	185.0
50°	257.5	231.5	206.4	182.3	164.0	153.6	147.2	144.4	144.0	144.0	144.9
52.5°	224.6	200.5	175.4	150.8	131.7	121.7	115.7	114.4	112.6	114.4	114.4
55°	193.7	169.5	144.9	121.7	105.7	95.2	89.8	87.9	87.0	88.4	88.4
57.5°	160.0	139.4	116.7	95.7	79.8	72.5	68.3	66.1	65.6	66.5	65.6
60°	131.2	113.9	94.3	75.2	62.9	55.1	52.0	51.0	50.1	51.0	51.0
62.5°	103.9	89.3	73.4	58.8	48.3	42.8	39.2	39.2	38.7	38.7	39.2
65°	77.0	65.6	54.2	41.9	33.7	29.6	26.9	26.9	26.4	26.9	26.4
67.5°	56.0	48.3	39.2	30.5	24.2	21.9	20.1	18.7	19.6	18.7	18.2
70°	41.0	34.6	28.2	23.2	18.7	16.4	15.0	14.6	13.7	13.7	13.7
72.5°	27.3	23.2	19.1	15.0	12.3	10.0	9.6	8.7	7.7	8.2	9.1
75°	18.2	15.5	13.7	10.9	8.2	8.2	5.5	5.5	4.6	5.5	4.1
77.5°	12.8	10.5	8.2	6.8	5.5	5.0	3.6	3.6	3.2	3.2	3.2
80°	9.1	7.7	5.9	5.0	3.6	3.6	3.2	2.7	2.3	2.3	2.7
82.5°	5.5	4.1	4.1	3.6	2.3	1.8	1.4	1.8	0.9	0.9	0.9
85°	3.2	2.7	2.3	1.4	0.9	0.9	0.5	0.0	0.5	0.5	0.0
87.5°	1.8	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



TEST NUMBER: P245888

CATALOG NUMBER: LD8B20D010 ER8B20827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	938.7	938.3	939.2	939.2	941.9	941.4	942.8	942.8	941.9	942.4	944.2
5°	941.9	943.3	946.0	948.3	952.4	954.2	956.5	958.8	959.2	960.6	962.0
7.5°	941.9	946.5	949.7	953.7	959.2	962.4	967.4	971.5	973.3	975.6	978.4
10°	940.1	944.6	950.6	955.1	962.0	967.0	972.0	978.4	981.1	984.7	988.4
12.5°	936.4	941.4	947.8	953.7	961.5	966.1	972.4	978.4	982.5	987.5	991.6
15°	931.0	936.9	942.8	948.7	956.9	962.4	968.3	975.2	979.3	984.7	988.4
17.5°	922.3	928.7	934.2	939.6	947.4	953.7	959.2	965.6	969.7	974.3	979.3
20°	911.8	917.8	923.7	928.2	936.0	941.4	947.4	953.3	956.5	957.4	965.2
22.5°	898.6	902.7	907.3	914.6	919.1	924.1	929.6	935.1	938.3	943.3	946.0
25°	876.7	880.8	885.8	889.0	894.5	898.6	904.1	910.0	911.8	915.5	918.2
27.5°	846.2	848.5	850.8	853.5	856.7	859.0	862.2	864.9	866.7	868.5	870.4
30°	797.9	797.9	797.9	796.1	797.4	798.8	799.3	798.8	798.8	798.4	798.4
32.5°	734.1	730.5	726.4	722.7	721.4	719.5	718.6	717.2	715.0	713.6	714.1
35°	648.0	639.8	634.8	630.2	626.6	623.8	622.5	621.1	620.7	618.8	617.0
37.5°	540.4	534.5	530.9	528.1	525.0	522.2	522.7	523.1	524.5	523.6	524.0
40°	426.5	425.2	426.5	423.3	422.4	423.3	425.6	428.8	430.6	432.4	435.6
42.5°	324.4	326.7	329.9	329.9	331.3	333.1	335.8	340.9	343.6	346.8	350.4
45°	244.2	247.0	251.1	252.4	253.4	255.6	258.8	262.9	264.7	267.5	270.7
47.5°	188.2	190.0	192.3	194.6	196.8	197.8	201.0	201.0	203.2	205.1	206.0
50°	146.7	148.6	150.4	151.7	152.7	154.0	154.9	156.3	156.7	157.7	158.1
52.5°	114.8	117.1	117.1	118.0	119.4	120.8	120.3	120.8	121.2	121.2	122.6
55°	89.8	89.8	91.1	91.1	92.1	91.6	92.1	92.1	92.1	92.1	92.5
57.5°	67.0	67.4	68.8	67.9	67.4	68.3	67.4	68.3	67.9	68.8	67.4
60°	51.5	51.5	52.0	52.0	52.4	52.4	52.4	52.0	52.0	51.5	51.5
62.5°	38.7	39.2	39.7	39.2	39.2	39.2	38.7	38.7	38.3	37.8	37.8
65°	26.0	25.5	26.4	25.5	26.0	26.0	25.5	26.0	24.6	25.1	24.6
67.5°	18.7	18.2	17.8	18.2	17.8	17.3	17.3	17.8	18.2	16.9	16.9
70°	12.3	12.8	12.3	12.8	13.2	13.2	12.8	12.3	12.8	11.9	12.3
72.5°	7.7	7.7	7.7	7.7	7.7	8.2	8.2	8.2	7.3	7.3	6.8
75°	3.6	5.0	4.1	3.6	5.0	5.0	4.6	4.6	4.1	4.1	4.1
77.5°	3.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.3	2.7	2.3
80°	1.8	1.8	1.8	1.4	1.8	1.8	2.3	1.8	1.8	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



TEST NUMBER: P245888

CATALOG NUMBER: LD8B20D010 ER8B20827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	943.7	943.3	943.7	944.2	943.7	943.3	943.7	944.2	942.4	941.9	942.8
5°	963.8	963.8	964.7	965.2	964.7	963.8	963.8	962.0	960.6	959.2	958.8
7.5°	981.1	982.0	982.9	983.4	982.9	982.0	981.1	978.4	975.6	973.3	971.5
10°	991.6	992.9	994.8	995.7	994.8	992.9	991.6	988.4	984.7	981.1	978.4
12.5°	996.1	997.5	999.8	999.3	999.8	997.5	996.1	991.6	987.5	982.5	978.4
15°	992.9	994.8	997.0	998.0	997.0	994.8	992.9	988.4	984.7	979.3	975.2
17.5°	982.9	985.7	987.0	988.4	987.0	985.7	982.9	979.3	974.3	969.7	965.6
20°	969.2	971.1	972.9	973.3	972.9	971.1	969.2	965.2	957.4	956.5	953.3
22.5°	949.7	951.0	955.1	953.7	955.1	951.0	949.7	946.0	943.3	938.3	935.1
25°	921.4	922.8	923.2	923.7	923.2	922.8	921.4	918.2	915.5	911.8	910.0
27.5°	872.6	872.6	873.5	874.0	873.5	872.6	872.6	870.4	868.5	866.7	864.9
30°	798.8	798.8	798.8	801.1	798.8	798.8	798.8	798.4	798.4	798.8	798.8
32.5°	713.6	712.7	711.8	712.7	711.8	712.7	713.6	714.1	713.6	715.0	717.2
35°	617.0	616.5	617.9	616.1	617.9	616.5	617.0	617.0	618.8	620.7	621.1
37.5°	524.5	523.6	525.4	523.6	525.4	523.6	524.5	524.0	523.6	524.5	523.1
40°	436.6	437.5	437.5	441.1	437.5	437.5	436.6	435.6	432.4	430.6	428.8
42.5°	352.2	355.0	354.1	356.8	354.1	355.0	352.2	350.4	346.8	343.6	340.9
45°	272.5	274.3	274.3	275.2	274.3	274.3	272.5	270.7	267.5	264.7	262.9
47.5°	209.2	209.2	209.2	209.6	209.2	209.2	209.2	206.0	205.1	203.2	201.0
50°	159.0	159.5	160.0	160.4	160.0	159.5	159.0	158.1	157.7	156.7	156.3
52.5°	122.1	122.6	121.7	122.6	121.7	122.6	122.1	122.6	121.2	121.2	120.8
55°	92.5	92.1	92.5	93.0	92.5	92.1	92.5	92.5	92.1	92.1	92.1
57.5°	67.9	67.0	67.0	67.0	67.0	67.0	67.9	67.4	68.8	67.9	68.3
60°	50.6	51.0	51.0	51.5	51.0	51.0	50.6	51.5	51.5	52.0	52.0
62.5°	37.4	38.7	37.8	38.7	37.8	38.7	37.4	37.8	37.8	38.3	38.7
65°	24.2	24.2	24.2	24.6	24.2	24.2	24.2	24.6	25.1	24.6	26.0
67.5°	16.4	16.9	17.8	17.3	17.8	16.9	16.4	16.9	16.9	18.2	17.8
70°	13.2	11.9	11.9	13.2	11.9	11.9	13.2	12.3	11.9	12.8	12.3
72.5°	7.7	6.8	7.7	7.7	7.7	6.8	7.7	6.8	7.3	7.3	8.2
75°	4.1	3.6	3.2	4.6	3.2	3.6	4.1	4.1	4.1	4.1	4.6
77.5°	2.7	2.3	3.2	3.2	3.2	2.3	2.7	2.3	2.7	2.3	2.7
80°	1.4	1.8	1.4	2.3	1.4	1.8	1.4	2.3	1.4	1.8	1.8
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



TEST NUMBER: P245888

CATALOG NUMBER: LD8B20D010 ER8B20827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	942.8	941.4	941.9	939.2	939.2	938.3	938.7	936.4	935.5	934.6	936.0
5°	956.5	954.2	952.4	948.3	946.0	943.3	941.9	938.3	935.1	932.3	931.9
7.5°	967.4	962.4	959.2	953.7	949.7	946.5	941.9	936.9	932.8	929.1	926.4
10°	972.0	967.0	962.0	955.1	950.6	944.6	940.1	933.7	928.2	923.2	920.0
12.5°	972.4	966.1	961.5	953.7	947.8	941.4	936.4	929.1	922.8	917.8	912.7
15°	968.3	962.4	956.9	948.7	942.8	936.9	931.0	923.2	917.3	911.4	907.7
17.5°	959.2	953.7	947.4	939.6	934.2	928.7	922.3	915.9	909.1	902.7	898.2
20°	947.4	941.4	936.0	928.2	923.7	917.8	911.8	905.0	899.5	893.1	888.1
22.5°	929.6	924.1	919.1	914.6	907.3	902.7	898.6	890.9	885.4	879.5	874.0
25°	904.1	898.6	894.5	889.0	885.8	880.8	876.7	869.9	864.9	859.4	854.9
27.5°	862.2	859.0	856.7	853.5	850.8	848.5	846.2	840.7	837.1	832.1	827.5
30°	799.3	798.8	797.4	796.1	797.9	797.9	797.9	797.0	793.8	790.2	787.0
32.5°	718.6	719.5	721.4	722.7	726.4	730.5	734.1	735.9	735.9	733.7	732.3
35°	622.5	623.8	626.6	630.2	634.8	639.8	648.0	649.8	651.2	651.2	649.3
37.5°	522.7	522.2	525.0	528.1	530.9	534.5	540.4	541.8	544.1	543.2	541.3
40°	425.6	423.3	422.4	423.3	426.5	425.2	426.5	425.6	425.6	422.4	422.4
42.5°	335.8	333.1	331.3	329.9	329.9	326.7	324.4	322.2	320.8	318.5	318.1
45°	258.8	255.6	253.4	252.4	251.1	247.0	244.2	241.5	238.3	237.4	237.9
47.5°	201.0	197.8	196.8	194.6	192.3	190.0	188.2	185.0	184.5	182.7	184.5
50°	154.9	154.0	152.7	151.7	150.4	148.6	146.7	144.9	144.0	144.0	144.4
52.5°	120.3	120.8	119.4	118.0	117.1	117.1	114.8	114.4	114.4	112.6	114.4
55°	92.1	91.6	92.1	91.1	91.1	89.8	89.8	88.4	88.4	87.0	87.9
57.5°	67.4	68.3	67.4	67.9	68.8	67.4	67.0	65.6	66.5	65.6	66.1
60°	52.4	52.4	52.4	52.0	52.0	51.5	51.5	51.0	51.0	50.1	51.0
62.5°	38.7	39.2	39.2	39.2	39.7	39.2	38.7	39.2	38.7	38.7	39.2
65°	25.5	26.0	26.0	25.5	26.4	25.5	26.0	26.4	26.9	26.4	26.9
67.5°	17.3	17.3	17.8	18.2	17.8	18.2	18.7	18.2	18.7	19.6	18.7
70°	12.8	13.2	13.2	12.8	12.3	12.8	12.3	13.7	13.7	13.7	14.6
72.5°	8.2	8.2	7.7	7.7	7.7	7.7	7.7	9.1	8.2	7.7	8.7
75°	4.6	5.0	5.0	3.6	4.1	5.0	3.6	4.1	5.5	4.6	5.5
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.2	3.2	3.2	3.6
80°	2.3	1.8	1.8	1.4	1.8	1.8	1.8	2.7	2.3	2.3	2.7
82.5°	0.9	0.9	0.5	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	0.5	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



TEST NUMBER: P245888

CATALOG NUMBER: LD8B20D010 ER8B20827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	932.3	932.3	931.9	931.0	929.1	929.1	928.7	927.3	926.4	926.0	926.0
5°	927.8	926.0	924.1	919.1	919.1	918.2	915.5	913.6	912.7	910.5	909.6
7.5°	923.7	918.2	915.0	911.8	907.7	905.9	902.7	901.3	898.2	895.9	894.5
10°	913.6	910.0	905.9	900.9	897.7	894.1	890.4	887.7	883.6	881.3	879.5
12.5°	906.8	901.3	897.7	892.2	886.8	883.6	878.6	875.4	871.3	866.7	864.0
15°	900.4	894.5	889.5	883.6	877.7	874.0	868.1	864.4	858.5	854.0	850.8
17.5°	890.9	885.8	880.4	873.1	867.6	863.1	856.7	852.1	846.7	840.7	837.6
20°	880.8	874.9	869.5	862.2	856.7	851.2	844.8	839.8	833.4	828.0	824.3
22.5°	867.6	860.8	856.2	848.9	842.6	836.7	830.7	824.8	818.9	814.3	810.2
25°	848.5	841.2	836.2	830.3	824.3	819.8	812.5	808.9	802.9	798.8	794.7
27.5°	821.1	815.7	811.1	805.2	800.2	796.5	791.1	787.4	782.4	778.8	775.6
30°	781.1	776.5	772.4	766.5	762.8	759.6	754.6	751.4	747.8	743.7	742.8
32.5°	727.3	723.6	719.5	715.4	712.7	710.9	706.8	704.9	701.3	699.0	696.7
35°	646.2	643.0	640.7	638.9	638.0	638.4	637.5	639.3	640.2	639.8	640.2
37.5°	540.0	538.2	539.1	540.4	545.0	550.9	556.4	564.6	570.1	575.5	580.6
40°	421.5	422.9	426.5	434.7	446.6	459.8	472.1	487.6	503.1	514.0	524.0
42.5°	318.1	322.2	331.3	343.1	360.9	380.5	399.6	422.4	441.1	459.3	472.1
45°	239.2	244.7	256.6	273.0	292.5	315.3	339.5	365.0	387.3	406.0	420.1
47.5°	186.4	191.4	203.2	220.6	244.7	268.4	293.5	319.9	343.1	361.4	373.7
50°	147.2	153.6	164.0	182.3	206.4	231.5	257.5	283.4	305.3	320.8	331.7
52.5°	115.7	121.7	131.7	150.8	175.4	200.5	224.6	250.2	269.3	284.3	291.6
55°	89.8	95.2	105.7	121.7	144.9	169.5	193.7	215.5	233.3	244.2	251.1
57.5°	68.3	72.5	79.8	95.7	116.7	139.4	160.0	181.8	195.5	203.2	207.8
60°	52.0	55.1	62.9	75.2	94.3	113.9	131.2	147.7	158.6	165.0	169.5
62.5°	39.2	42.8	48.3	58.8	73.4	89.3	103.9	116.2	125.3	129.4	132.6
65°	26.9	29.6	33.7	41.9	54.2	65.6	77.0	86.1	92.1	96.6	98.4
67.5°	20.1	21.9	24.2	30.5	39.2	48.3	56.0	62.4	68.8	70.6	73.8
70°	15.0	16.4	18.7	23.2	28.2	34.6	41.0	44.7	49.2	52.4	53.3
72.5°	9.6	10.0	12.3	15.0	19.1	23.2	27.3	30.5	33.3	35.1	36.0
75°	5.5	8.2	8.2	10.9	13.7	15.5	18.2	20.5	21.9	23.2	23.2
77.5°	3.6	5.0	5.5	6.8	8.2	10.5	12.8	14.1	15.5	15.9	15.9
80°	3.2	3.6	3.6	5.0	5.9	7.7	9.1	9.6	10.5	10.9	11.9
82.5°	1.4	1.8	2.3	3.6	4.1	4.1	5.5	5.9	6.8	7.3	7.3
85°	0.5	0.9	0.9	1.4	2.3	2.7	3.2	3.6	4.1	4.1	4.6
87.5°	0.5	0.5	0.0	0.5	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: P245888

CATALOG NUMBER: LD8B20D010 ER8B20827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	925.1	925.5	923.7	923.2	922.3	922.8	923.7
5°	908.2	908.6	906.8	905.0	905.0	904.5	905.0
7.5°	892.2	892.7	890.0	889.0	887.2	887.7	887.7
10°	876.3	876.3	872.2	871.7	870.4	869.9	869.9
12.5°	860.8	859.4	856.2	854.4	855.3	852.6	852.6
15°	847.1	844.8	840.7	839.4	837.1	836.2	836.2
17.5°	833.0	831.2	827.5	824.8	822.1	821.6	822.1
20°	819.3	817.5	812.9	811.1	808.9	808.9	807.9
22.5°	805.6	803.8	799.7	798.4	795.2	795.2	795.6
25°	791.5	790.2	785.6	784.7	784.2	782.4	783.3
27.5°	772.4	771.5	767.8	766.5	764.6	764.2	765.1
30°	737.3	735.9	733.2	731.8	728.7	729.1	730.0
32.5°	693.6	691.7	688.1	686.7	684.0	683.1	683.5
35°	638.9	637.5	634.3	634.3	631.6	630.7	631.6
37.5°	583.3	584.6	583.3	584.6	583.3	582.8	583.3
40°	530.9	535.9	536.8	541.8	540.0	542.7	542.3
42.5°	480.7	488.9	492.2	496.2	495.3	497.2	498.5
45°	430.2	437.0	440.2	442.9	443.4	444.3	444.8
47.5°	382.3	387.8	388.2	391.4	391.0	391.0	392.3
50°	337.7	341.3	342.2	344.5	342.7	341.8	342.2
52.5°	296.2	299.8	298.9	299.8	297.6	296.7	297.1
55°	253.8	255.6	255.6	255.6	252.9	252.9	252.9
57.5°	210.5	211.0	210.1	210.5	210.1	207.3	206.9
60°	170.9	170.9	170.4	170.9	169.5	168.2	168.2
62.5°	133.5	134.4	136.2	134.4	133.5	134.4	133.1
65°	99.8	101.6	101.2	102.1	101.6	101.6	100.7
67.5°	75.2	75.6	76.1	76.6	76.6	76.6	76.6
70°	55.1	56.5	56.0	56.0	56.0	56.0	58.8
72.5°	36.9	38.7	38.3	39.2	39.2	40.1	39.2
75°	25.1	26.9	26.0	27.3	26.9	26.0	28.2
77.5°	16.9	17.8	18.2	18.7	18.2	17.8	18.2
80°	11.9	12.8	12.3	12.8	12.8	12.8	13.2
82.5°	7.3	8.7	8.2	8.7	8.2	8.7	8.7
85°	5.0	5.5	4.6	5.5	5.0	5.0	5.9
87.5°	3.2	2.7	2.7	3.2	2.7	3.2	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)