

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: P245912

Luminaire Tested: **LSR8B20D010 EC8B20850 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245912
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: LSR8B20D010 EC8B20850 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1698.0 lumens
Efficiency: N/A
Efficacy: 79.7 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

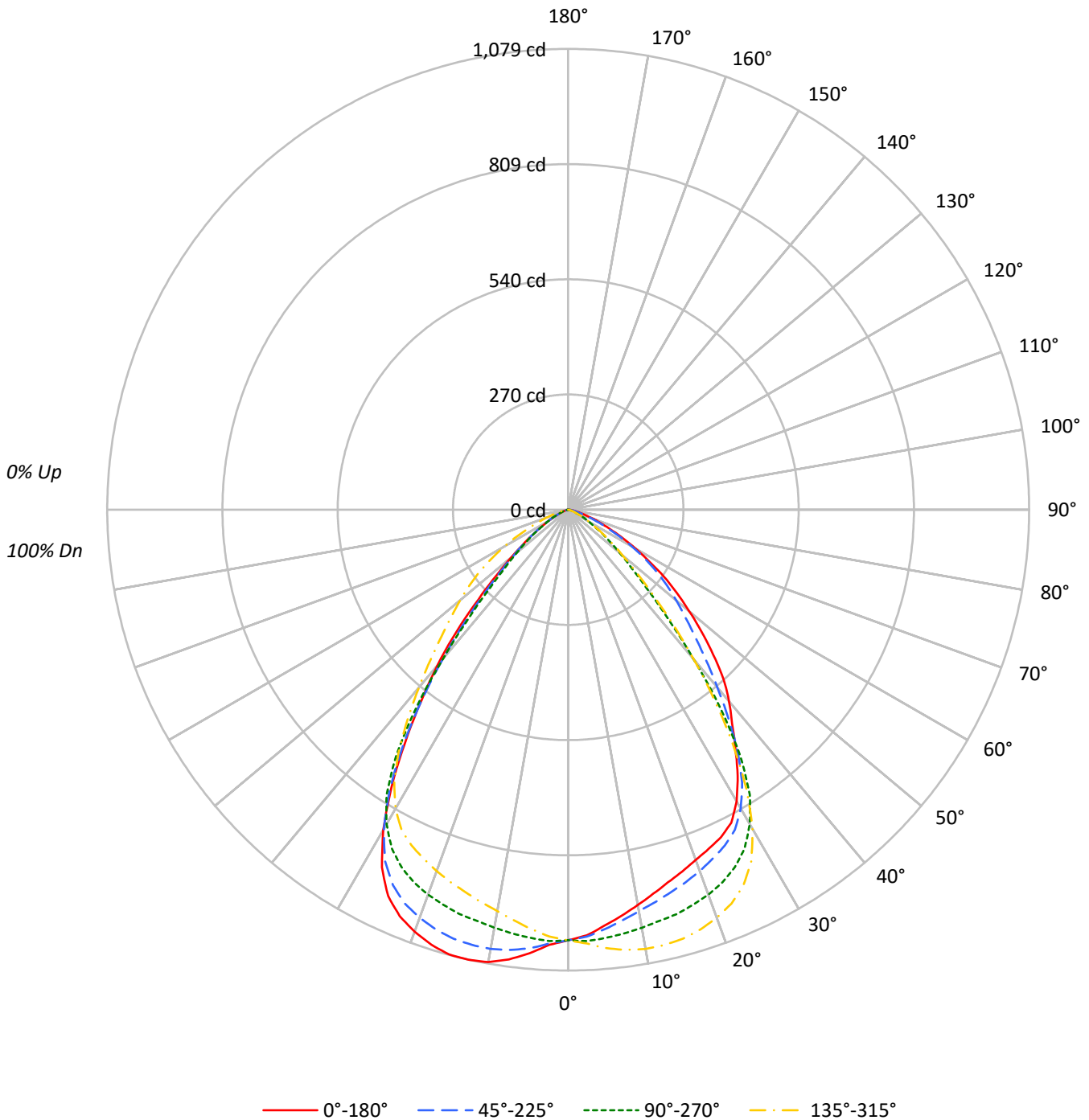
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	31083	31083	31083	31083
5°	30258	31158	32270	31158
10°	29421	31118	33676	31118
15°	28834	31302	34411	31302
20°	28638	31480	34502	31480
25°	28788	31418	33946	31418
30°	28076	30266	30810	30266
35°	25681	26404	25052	26404
40°	23577	18368	19181	18368
45°	20950	11203	12965	11203
50°	17731	7484	8314	7484
55°	14688	5107	5398	5107
60°	11200	3398	3429	3398
65°	7939	2116	1941	2116
70°	5725	1416	1289	1416
75°	3634	703	584	703
80°	2539	533	444	533
85°	2264	0	177	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	5.7
10°-20°	277.8	16.4
20°-30°	420.7	24.8
30°-40°	421.7	24.8
40°-50°	264.8	15.6
50°-60°	141.1	8.3
60°-70°	58.0	3.4
70°-80°	15.3	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°	794.5	46.8
0°-40°	1216.2	71.6
0°-60°	1622.0	95.5
0°-90°	1698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1698.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1008	1008	1008	1008	1008	
5°	978	1007	1042	1007	978	92
15°	903	980	1078	980	903	255
25°	846	923	998	923	846	388
35°	682	701	666	701	682	427
45°	480	257	297	257	480	369
55°	273	95	100	95	273	244
65°	109	29	27	29	109	113
75°	30	6	5	6	30	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°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	997.7	996.7	996.2	997.2	997.7	999.7	999.2	1000.2	1000.2	1000.7	1001.6
5°	977.5	977.0	977.5	977.5	979.5	981.5	981.0	982.5	983.4	985.9	986.9
7.5°	958.8	958.8	958.3	960.3	961.3	964.2	963.7	966.2	967.7	970.1	973.6
10°	939.6	939.6	940.1	941.6	942.1	946.5	946.5	950.0	951.9	954.4	958.8
12.5°	920.9	920.9	923.9	922.9	924.9	928.3	929.8	933.2	936.2	941.1	945.5
15°	903.2	903.2	904.2	906.6	908.1	912.6	915.0	919.0	922.4	927.3	933.7
17.5°	887.9	887.5	887.9	890.9	893.9	897.8	899.8	904.7	908.1	914.5	920.4
20°	872.7	873.7	873.7	876.1	878.1	883.0	885.0	890.4	894.4	900.2	907.2
22.5°	859.4	858.9	858.9	862.4	863.8	868.3	870.2	875.1	879.6	884.5	890.9
25°	846.1	845.1	847.1	847.6	848.6	853.5	855.0	858.4	862.8	867.3	873.7
27.5°	826.4	825.4	825.9	827.9	829.4	833.3	834.3	837.7	841.2	845.1	850.5
30°	788.5	787.5	787.1	790.5	792.0	794.9	796.4	802.3	803.3	807.7	811.6
32.5°	738.3	737.8	738.8	741.8	743.2	747.2	749.1	752.6	755.0	757.5	761.4
35°	682.2	681.2	682.2	685.2	685.2	688.6	690.1	691.5	691.1	691.5	690.6
37.5°	630.0	629.5	630.0	631.5	630.0	631.5	630.0	627.1	621.7	615.8	609.8
40°	585.7	586.2	583.3	585.2	579.8	578.8	573.4	566.0	555.2	543.4	526.7
42.5°	538.5	537.0	535.0	536.0	531.6	528.1	519.3	509.9	496.1	476.5	456.3
45°	480.4	479.9	478.9	478.4	475.5	472.0	464.6	453.8	438.6	418.4	394.3
47.5°	423.8	422.3	422.3	422.8	419.4	418.9	413.0	403.6	390.3	370.6	345.5
50°	369.6	369.2	370.1	372.1	369.6	368.7	364.7	358.3	346.5	329.8	306.1
52.5°	320.9	320.4	321.4	323.9	322.9	323.9	319.9	315.0	307.1	290.9	270.2
55°	273.2	273.2	273.2	276.1	276.1	276.1	274.2	271.2	263.8	252.0	232.8
57.5°	223.5	224.0	226.9	227.4	226.9	227.9	227.4	224.4	219.5	211.2	196.4
60°	181.6	181.6	183.1	184.6	184.1	184.6	184.6	183.1	178.2	171.3	159.5
62.5°	143.7	145.2	144.2	145.2	147.2	145.2	144.2	143.2	139.8	135.4	125.5
65°	108.8	109.8	109.8	110.3	109.3	109.8	107.8	106.3	104.4	99.4	93.0
67.5°	82.7	82.7	82.7	82.7	82.2	81.7	81.2	79.7	76.3	74.3	67.4
70°	63.5	60.5	60.5	60.5	60.5	61.0	59.6	57.6	56.6	53.2	48.2
72.5°	42.3	43.3	42.3	42.3	41.4	41.8	39.9	38.9	37.9	35.9	33.0
75°	30.5	28.1	29.0	29.5	28.1	29.0	27.1	25.1	25.1	23.6	22.1
77.5°	19.7	19.2	19.7	20.2	19.7	19.2	18.2	17.2	17.2	16.7	15.3
80°	14.3	13.8	13.8	13.8	13.3	13.8	12.8	12.8	11.8	11.3	10.3
82.5°	9.4	9.4	8.9	9.4	8.9	9.4	7.9	7.9	7.9	7.4	6.4
85°	6.4	5.4	5.4	5.9	4.9	5.9	5.4	4.9	4.4	4.4	3.9
87.5°	3.0	3.4	3.0	3.4	3.0	3.0	3.4	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°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	1003.1	1003.6	1003.6	1005.6	1006.6	1007.1	1007.1	1011.0	1009.5	1010.5	1011.5
5°	988.9	991.8	992.8	992.8	998.2	1000.2	1002.1	1006.6	1007.1	1010.0	1013.5
7.5°	975.1	978.5	980.5	984.9	988.4	991.8	997.7	1000.7	1003.6	1007.6	1012.0
10°	961.8	965.7	969.7	973.1	978.5	982.9	986.9	993.8	997.2	1002.6	1008.5
12.5°	949.0	954.4	957.8	963.7	969.7	973.6	979.5	985.9	991.3	996.7	1003.6
15°	937.7	944.1	948.0	954.4	960.8	966.2	972.6	980.5	984.4	990.8	997.2
17.5°	925.3	932.3	937.2	943.1	951.0	956.9	962.3	970.1	975.1	982.0	989.3
20°	912.6	919.5	925.3	931.3	939.1	945.0	951.4	959.3	964.7	971.6	977.5
22.5°	897.3	903.7	910.1	917.0	924.9	929.8	937.2	944.1	950.0	956.4	962.3
25°	877.6	885.5	890.4	896.8	903.2	908.6	916.5	923.4	928.3	934.2	939.6
27.5°	854.5	860.4	864.3	869.7	876.1	881.1	887.0	893.9	898.8	904.2	908.1
30°	815.1	820.5	824.0	827.9	834.3	838.7	843.7	850.0	853.5	857.4	860.9
32.5°	763.4	767.8	769.8	772.8	777.2	781.6	785.6	791.0	792.5	794.9	794.9
35°	688.6	689.6	689.1	690.1	692.1	694.5	698.0	701.4	703.4	703.4	701.9
37.5°	601.0	595.1	588.7	583.8	582.3	581.3	583.3	584.7	586.7	587.7	585.2
40°	509.9	496.6	482.4	469.6	460.7	456.8	455.3	456.3	456.3	459.7	459.7
42.5°	431.7	411.0	389.8	370.6	357.8	348.0	343.6	343.6	344.1	346.5	348.0
45°	366.7	340.6	316.0	294.8	277.1	264.3	258.4	256.9	256.4	257.4	260.9
47.5°	317.0	289.9	264.3	238.2	219.5	206.7	201.3	199.3	197.4	199.3	199.8
50°	278.1	250.0	223.0	196.9	177.2	165.9	159.0	156.0	155.5	155.5	156.5
52.5°	242.7	216.6	189.5	162.9	142.2	131.4	125.0	123.5	121.6	123.5	123.5
55°	209.2	183.1	156.5	131.4	114.2	102.9	97.0	95.0	94.0	95.5	95.5
57.5°	172.8	150.6	126.0	103.4	86.1	78.3	73.8	71.4	70.9	71.9	70.9
60°	141.8	123.1	101.9	81.2	67.9	59.6	56.1	55.1	54.1	55.1	55.1
62.5°	112.2	96.5	79.2	63.5	52.2	46.3	42.3	42.3	41.8	41.8	42.3
65°	83.2	70.9	58.6	45.3	36.4	32.0	29.0	29.0	28.5	29.0	28.5
67.5°	60.5	52.2	42.3	33.0	26.1	23.6	21.7	20.2	21.2	20.2	19.7
70°	44.3	37.4	30.5	25.1	20.2	17.7	16.2	15.7	14.8	14.8	14.8
72.5°	29.5	25.1	20.7	16.2	13.3	10.8	10.3	9.4	8.4	8.9	9.8
75°	19.7	16.7	14.8	11.8	8.9	8.9	5.9	5.9	4.9	5.9	4.4
77.5°	13.8	11.3	8.9	7.4	5.9	5.4	3.9	3.9	3.4	3.4	3.4
80°	9.8	8.4	6.4	5.4	3.9	3.9	3.4	3.0	2.5	2.5	3.0
82.5°	5.9	4.4	4.4	3.9	2.5	2.0	1.5	2.0	1.0	1.0	1.0
85°	3.4	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°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	1014.0	1013.5	1014.5	1014.5	1017.4	1016.9	1018.4	1018.4	1017.4	1017.9	1019.9
5°	1017.4	1018.9	1021.8	1024.3	1028.7	1030.7	1033.2	1035.6	1036.1	1037.6	1039.1
7.5°	1017.4	1022.3	1025.8	1030.2	1036.1	1039.6	1045.0	1049.4	1051.4	1053.8	1056.8
10°	1015.4	1020.3	1026.7	1031.7	1039.1	1044.5	1049.9	1056.8	1059.7	1063.7	1067.6
12.5°	1011.5	1016.9	1023.8	1030.2	1038.6	1043.5	1050.4	1056.8	1061.2	1066.6	1071.1
15°	1005.6	1012.0	1018.4	1024.8	1033.6	1039.6	1046.0	1053.3	1057.8	1063.7	1067.6
17.5°	996.2	1003.1	1009.0	1014.9	1023.3	1030.2	1036.1	1043.0	1047.4	1052.4	1057.8
20°	984.9	991.3	997.7	1002.6	1011.0	1016.9	1023.3	1029.7	1033.2	1034.1	1042.5
22.5°	970.6	975.1	980.0	987.9	992.8	998.2	1004.1	1010.0	1013.5	1018.9	1021.8
25°	947.0	951.4	956.9	960.3	966.2	970.6	976.5	982.9	984.9	988.9	991.8
27.5°	914.0	916.5	919.0	921.9	925.3	927.8	931.3	934.2	936.2	938.2	940.1
30°	861.9	861.9	861.9	859.9	861.4	862.8	863.3	862.8	862.8	862.4	862.4
32.5°	793.0	789.0	784.6	780.7	779.2	777.2	776.2	774.7	772.3	770.8	771.3
35°	699.9	691.1	685.7	680.7	676.8	673.8	672.4	670.9	670.4	668.4	666.4
37.5°	583.8	577.4	573.4	570.5	567.0	564.1	564.6	565.1	566.5	565.6	566.0
40°	460.7	459.2	460.7	457.3	456.3	457.3	459.7	463.2	465.1	467.1	470.6
42.5°	350.5	352.9	356.4	356.4	357.8	359.8	362.8	368.2	371.1	374.6	378.5
45°	263.8	266.8	271.2	272.7	273.7	276.1	279.6	284.0	286.0	288.9	292.4
47.5°	203.3	205.3	207.7	210.2	212.6	213.6	217.1	217.1	219.5	221.5	222.5
50°	158.5	160.5	162.4	163.9	164.9	166.4	167.3	168.8	169.3	170.3	170.8
52.5°	124.0	126.5	126.5	127.5	129.0	130.4	129.9	130.4	130.9	130.9	132.4
55°	97.0	97.0	98.4	98.4	99.4	98.9	99.4	99.4	99.4	99.4	99.9
57.5°	72.3	72.9	74.3	73.3	72.9	73.8	72.9	73.8	73.3	74.3	72.9
60°	55.6	55.6	56.1	56.1	56.6	56.6	56.6	56.1	56.1	55.6	55.6
62.5°	41.8	42.3	42.8	42.3	42.3	42.3	41.8	41.8	41.4	40.8	40.8
65°	28.1	27.6	28.5	27.6	28.1	28.1	27.6	28.1	26.6	27.1	26.6
67.5°	20.2	19.7	19.2	19.7	19.2	18.7	18.7	19.2	19.7	18.2	18.2
70°	13.3	13.8	13.3	13.8	14.3	14.3	13.8	13.3	13.8	12.8	13.3
72.5°	8.4	8.4	8.4	8.4	8.4	8.9	8.9	8.9	7.9	7.9	7.4
75°	3.9	5.4	4.4	3.9	5.4	5.4	4.9	4.9	4.4	4.4	4.4
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	0.5	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°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	1019.4	1018.9	1019.4	1019.9	1019.4	1018.9	1019.4	1019.9	1017.9	1017.4	1018.4
5°	1041.0	1041.0	1042.0	1042.5	1042.0	1041.0	1041.0	1039.1	1037.6	1036.1	1035.6
7.5°	1059.7	1060.7	1061.7	1062.2	1061.7	1060.7	1059.7	1056.8	1053.8	1051.4	1049.4
10°	1071.1	1072.5	1074.5	1075.5	1074.5	1072.5	1071.1	1067.6	1063.7	1059.7	1056.8
12.5°	1076.0	1077.5	1079.9	1079.4	1079.9	1077.5	1076.0	1071.1	1066.6	1061.2	1056.8
15°	1072.5	1074.5	1077.0	1077.9	1077.0	1074.5	1072.5	1067.6	1063.7	1057.8	1053.3
17.5°	1061.7	1064.7	1066.1	1067.6	1066.1	1064.7	1061.7	1057.8	1052.4	1047.4	1043.0
20°	1046.9	1048.9	1050.9	1051.4	1050.9	1048.9	1046.9	1042.5	1034.1	1033.2	1029.7
22.5°	1025.8	1027.3	1031.7	1030.2	1031.7	1027.3	1025.8	1021.8	1018.9	1013.5	1010.0
25°	995.2	996.7	997.2	997.7	997.2	996.7	995.2	991.8	988.9	984.9	982.9
27.5°	942.6	942.6	943.6	944.1	943.6	942.6	942.6	940.1	938.2	936.2	934.2
30°	862.8	862.8	862.8	865.3	862.8	862.8	862.8	862.4	862.4	862.8	862.8
32.5°	770.8	769.8	768.8	769.8	768.8	769.8	770.8	771.3	770.8	772.3	774.7
35°	666.4	666.0	667.4	665.5	667.4	666.0	666.4	666.4	668.4	670.4	670.9
37.5°	566.5	565.6	567.5	565.6	567.5	565.6	566.5	566.0	565.6	566.5	565.1
40°	471.5	472.5	472.5	476.5	472.5	472.5	471.5	470.6	467.1	465.1	463.2
42.5°	380.5	383.4	382.4	385.4	382.4	383.4	380.5	378.5	374.6	371.1	368.2
45°	294.3	296.3	296.3	297.3	296.3	296.3	294.3	292.4	288.9	286.0	284.0
47.5°	225.9	225.9	225.9	226.4	225.9	225.9	225.9	222.5	221.5	219.5	217.1
50°	171.8	172.3	172.8	173.3	172.8	172.3	171.8	170.8	170.3	169.3	168.8
52.5°	131.9	132.4	131.4	132.4	131.4	132.4	131.9	132.4	130.9	130.9	130.4
55°	99.9	99.4	99.9	100.4	99.9	99.4	99.9	99.9	99.4	99.4	99.4
57.5°	73.3	72.3	72.3	72.3	72.3	72.3	73.3	72.9	74.3	73.3	73.8
60°	54.6	55.1	55.1	55.6	55.1	55.1	54.6	55.6	55.6	56.1	56.1
62.5°	40.4	41.8	40.8	41.8	40.8	41.8	40.4	40.8	40.8	41.4	41.8
65°	26.1	26.1	26.1	26.6	26.1	26.1	26.1	26.6	27.1	26.6	28.1
67.5°	17.7	18.2	19.2	18.7	19.2	18.2	17.7	18.2	18.2	19.7	19.2
70°	14.3	12.8	12.8	14.3	12.8	12.8	14.3	13.3	12.8	13.8	13.3
72.5°	8.4	7.4	8.4	8.4	8.4	7.4	8.4	7.4	7.9	7.9	8.9
75°	4.4	3.9	3.4	4.9	3.4	3.9	4.4	4.4	4.4	4.4	4.9
77.5°	3.0	2.5	3.4	3.4	3.4	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: P245912

CATALOG NUMBER: LSR8B20D010 EC8B20850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	1018.4	1016.9	1017.4	1014.5	1014.5	1013.5	1014.0	1011.5	1010.5	1009.5	1011.0
5°	1033.2	1030.7	1028.7	1024.3	1021.8	1018.9	1017.4	1013.5	1010.0	1007.1	1006.6
7.5°	1045.0	1039.6	1036.1	1030.2	1025.8	1022.3	1017.4	1012.0	1007.6	1003.6	1000.7
10°	1049.9	1044.5	1039.1	1031.7	1026.7	1020.3	1015.4	1008.5	1002.6	997.2	993.8
12.5°	1050.4	1043.5	1038.6	1030.2	1023.8	1016.9	1011.5	1003.6	996.7	991.3	985.9
15°	1046.0	1039.6	1033.6	1024.8	1018.4	1012.0	1005.6	997.2	990.8	984.4	980.5
17.5°	1036.1	1030.2	1023.3	1014.9	1009.0	1003.1	996.2	989.3	982.0	975.1	970.1
20°	1023.3	1016.9	1011.0	1002.6	997.7	991.3	984.9	977.5	971.6	964.7	959.3
22.5°	1004.1	998.2	992.8	987.9	980.0	975.1	970.6	962.3	956.4	950.0	944.1
25°	976.5	970.6	966.2	960.3	956.9	951.4	947.0	939.6	934.2	928.3	923.4
27.5°	931.3	927.8	925.3	921.9	919.0	916.5	914.0	908.1	904.2	898.8	893.9
30°	863.3	862.8	861.4	859.9	861.9	861.9	861.9	860.9	857.4	853.5	850.0
32.5°	776.2	777.2	779.2	780.7	784.6	789.0	793.0	794.9	794.9	792.5	791.0
35°	672.4	673.8	676.8	680.7	685.7	691.1	699.9	701.9	703.4	703.4	701.4
37.5°	564.6	564.1	567.0	570.5	573.4	577.4	583.8	585.2	587.7	586.7	584.7
40°	459.7	457.3	456.3	457.3	460.7	459.2	460.7	459.7	459.7	456.3	456.3
42.5°	362.8	359.8	357.8	356.4	356.4	352.9	350.5	348.0	346.5	344.1	343.6
45°	279.6	276.1	273.7	272.7	271.2	266.8	263.8	260.9	257.4	256.4	256.9
47.5°	217.1	213.6	212.6	210.2	207.7	205.3	203.3	199.8	199.3	197.4	199.3
50°	167.3	166.4	164.9	163.9	162.4	160.5	158.5	156.5	155.5	155.5	156.0
52.5°	129.9	130.4	129.0	127.5	126.5	126.5	124.0	123.5	123.5	121.6	123.5
55°	99.4	98.9	99.4	98.4	98.4	97.0	97.0	95.5	95.5	94.0	95.0
57.5°	72.9	73.8	72.9	73.3	74.3	72.9	72.3	70.9	71.9	70.9	71.4
60°	56.6	56.6	56.6	56.1	56.1	55.6	55.6	55.1	55.1	54.1	55.1
62.5°	41.8	42.3	42.3	42.3	42.8	42.3	41.8	42.3	41.8	41.8	42.3
65°	27.6	28.1	28.1	27.6	28.5	27.6	28.1	28.5	29.0	28.5	29.0
67.5°	18.7	18.7	19.2	19.7	19.2	19.7	20.2	19.7	20.2	21.2	20.2
70°	13.8	14.3	14.3	13.8	13.3	13.8	13.3	14.8	14.8	14.8	15.7
72.5°	8.9	8.9	8.4	8.4	8.4	8.4	8.4	9.8	8.9	8.4	9.4
75°	4.9	5.4	5.4	3.9	4.4	5.4	3.9	4.4	5.9	4.9	5.9
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.9	3.4	3.4	3.4	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	0.5	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: P245912

CATALOG NUMBER: LSR8B20D010 EC8B20850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	1007.1	1007.1	1006.6	1005.6	1003.6	1003.6	1003.1	1001.6	1000.7	1000.2	1000.2
5°	1002.1	1000.2	998.2	992.8	992.8	991.8	988.9	986.9	985.9	983.4	982.5
7.5°	997.7	991.8	988.4	984.9	980.5	978.5	975.1	973.6	970.1	967.7	966.2
10°	986.9	982.9	978.5	973.1	969.7	965.7	961.8	958.8	954.4	951.9	950.0
12.5°	979.5	973.6	969.7	963.7	957.8	954.4	949.0	945.5	941.1	936.2	933.2
15°	972.6	966.2	960.8	954.4	948.0	944.1	937.7	933.7	927.3	922.4	919.0
17.5°	962.3	956.9	951.0	943.1	937.2	932.3	925.3	920.4	914.5	908.1	904.7
20°	951.4	945.0	939.1	931.3	925.3	919.5	912.6	907.2	900.2	894.4	890.4
22.5°	937.2	929.8	924.9	917.0	910.1	903.7	897.3	890.9	884.5	879.6	875.1
25°	916.5	908.6	903.2	896.8	890.4	885.5	877.6	873.7	867.3	862.8	858.4
27.5°	887.0	881.1	876.1	869.7	864.3	860.4	854.5	850.5	845.1	841.2	837.7
30°	843.7	838.7	834.3	827.9	824.0	820.5	815.1	811.6	807.7	803.3	802.3
32.5°	785.6	781.6	777.2	772.8	769.8	767.8	763.4	761.4	757.5	755.0	752.6
35°	698.0	694.5	692.1	690.1	689.1	689.6	688.6	690.6	691.5	691.1	691.5
37.5°	583.3	581.3	582.3	583.8	588.7	595.1	601.0	609.8	615.8	621.7	627.1
40°	455.3	456.8	460.7	469.6	482.4	496.6	509.9	526.7	543.4	555.2	566.0
42.5°	343.6	348.0	357.8	370.6	389.8	411.0	431.7	456.3	476.5	496.1	509.9
45°	258.4	264.3	277.1	294.8	316.0	340.6	366.7	394.3	418.4	438.6	453.8
47.5°	201.3	206.7	219.5	238.2	264.3	289.9	317.0	345.5	370.6	390.3	403.6
50°	159.0	165.9	177.2	196.9	223.0	250.0	278.1	306.1	329.8	346.5	358.3
52.5°	125.0	131.4	142.2	162.9	189.5	216.6	242.7	270.2	290.9	307.1	315.0
55°	97.0	102.9	114.2	131.4	156.5	183.1	209.2	232.8	252.0	263.8	271.2
57.5°	73.8	78.3	86.1	103.4	126.0	150.6	172.8	196.4	211.2	219.5	224.4
60°	56.1	59.6	67.9	81.2	101.9	123.1	141.8	159.5	171.3	178.2	183.1
62.5°	42.3	46.3	52.2	63.5	79.2	96.5	112.2	125.5	135.4	139.8	143.2
65°	29.0	32.0	36.4	45.3	58.6	70.9	83.2	93.0	99.4	104.4	106.3
67.5°	21.7	23.6	26.1	33.0	42.3	52.2	60.5	67.4	74.3	76.3	79.7
70°	16.2	17.7	20.2	25.1	30.5	37.4	44.3	48.2	53.2	56.6	57.6
72.5°	10.3	10.8	13.3	16.2	20.7	25.1	29.5	33.0	35.9	37.9	38.9
75°	5.9	8.9	8.9	11.8	14.8	16.7	19.7	22.1	23.6	25.1	25.1
77.5°	3.9	5.4	5.9	7.4	8.9	11.3	13.8	15.3	16.7	17.2	17.2
80°	3.4	3.9	3.9	5.4	6.4	8.4	9.8	10.3	11.3	11.8	12.8
82.5°	1.5	2.0	2.5	3.9	4.4	4.4	5.9	6.4	7.4	7.9	7.9
85°	0.5	1.0	1.0	1.5	2.5	3.0	3.4	3.9	4.4	4.4	4.9
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: P245912

CATALOG NUMBER: LSR8B20D010 EC8B20850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	999.2	999.7	997.7	997.2	996.2	996.7	997.7
5°	981.0	981.5	979.5	977.5	977.5	977.0	977.5
7.5°	963.7	964.2	961.3	960.3	958.3	958.8	958.8
10°	946.5	946.5	942.1	941.6	940.1	939.6	939.6
12.5°	929.8	928.3	924.9	922.9	923.9	920.9	920.9
15°	915.0	912.6	908.1	906.6	904.2	903.2	903.2
17.5°	899.8	897.8	893.9	890.9	887.9	887.5	887.9
20°	885.0	883.0	878.1	876.1	873.7	873.7	872.7
22.5°	870.2	868.3	863.8	862.4	858.9	858.9	859.4
25°	855.0	853.5	848.6	847.6	847.1	845.1	846.1
27.5°	834.3	833.3	829.4	827.9	825.9	825.4	826.4
30°	796.4	794.9	792.0	790.5	787.1	787.5	788.5
32.5°	749.1	747.2	743.2	741.8	738.8	737.8	738.3
35°	690.1	688.6	685.2	685.2	682.2	681.2	682.2
37.5°	630.0	631.5	630.0	631.5	630.0	629.5	630.0
40°	573.4	578.8	579.8	585.2	583.3	586.2	585.7
42.5°	519.3	528.1	531.6	536.0	535.0	537.0	538.5
45°	464.6	472.0	475.5	478.4	478.9	479.9	480.4
47.5°	413.0	418.9	419.4	422.8	422.3	422.3	423.8
50°	364.7	368.7	369.6	372.1	370.1	369.2	369.6
52.5°	319.9	323.9	322.9	323.9	321.4	320.4	320.9
55°	274.2	276.1	276.1	276.1	273.2	273.2	273.2
57.5°	227.4	227.9	226.9	227.4	226.9	224.0	223.5
60°	184.6	184.6	184.1	184.6	183.1	181.6	181.6
62.5°	144.2	145.2	147.2	145.2	144.2	145.2	143.7
65°	107.8	109.8	109.3	110.3	109.8	109.8	108.8
67.5°	81.2	81.7	82.2	82.7	82.7	82.7	82.7
70°	59.6	61.0	60.5	60.5	60.5	60.5	63.5
72.5°	39.9	41.8	41.4	42.3	42.3	43.3	42.3
75°	27.1	29.0	28.1	29.5	29.0	28.1	30.5
77.5°	18.2	19.2	19.7	20.2	19.7	19.2	19.7
80°	12.8	13.8	13.3	13.8	13.8	13.8	14.3
82.5°	7.9	9.4	8.9	9.4	8.9	9.4	9.4
85°	5.4	5.9	4.9	5.9	5.4	5.4	6.4
87.5°	3.4	3.0	3.0	3.4	3.0	3.4	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)