

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: P245000

Luminaire Tested: **LSR8B20D010 EC8B20940 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245000  
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 EC8B20940 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1937.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 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

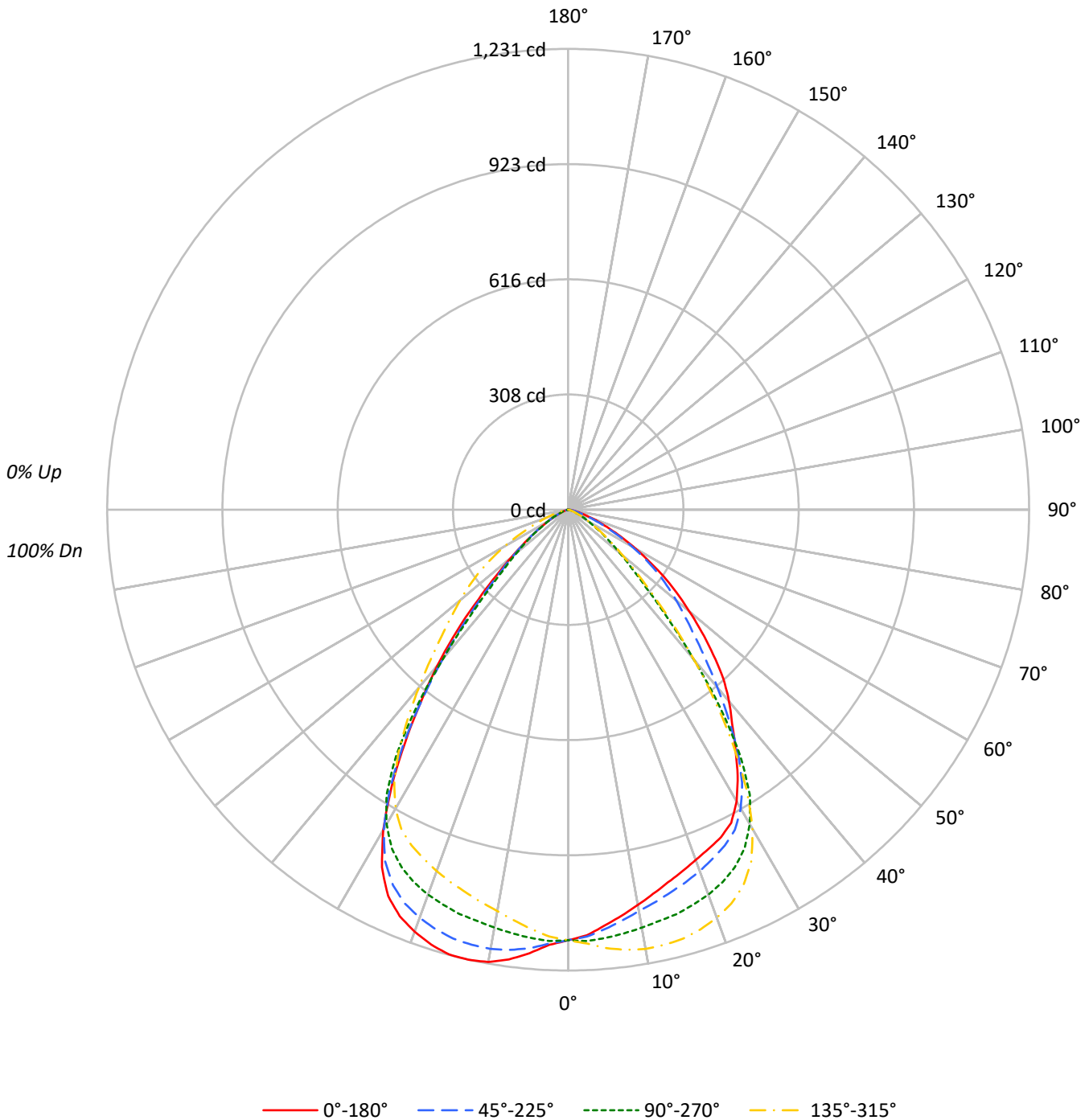
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	35459	35459	35459	35459
5°	34517	35542	36811	35542
10°	33563	35495	38417	35495
15°	32891	35707	39257	35707
20°	32668	35913	39355	35913
25°	32840	35841	38723	35841
30°	32028	34528	35147	34528
35°	29295	30119	28576	30119
40°	26898	20952	21878	20952
45°	23898	12782	14788	12782
50°	20230	8539	9479	8539
55°	16752	5828	6156	5828
60°	12779	3879	3910	3879
65°	9055	2415	2211	2415
70°	6528	1623	1470	1623
75°	4146	798	667	798
80°	2895	604	497	604
85°	2583	0	212	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.5	5.7
10°-20°	317.0	16.4
20°-30°	479.9	24.8
30°-40°	481.0	24.8
40°-50°	302.1	15.6
50°-60°	161.0	8.3
60°-70°	66.2	3.4
70°-80°	17.5	0.9
80°-90°	3.0	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°	906.3	46.8
0°-40°	1387.3	71.6
0°-60°	1850.4	95.5
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1150	1150	1150	1150	1150	
5°	1115	1148	1189	1148	1115	105
15°	1030	1118	1230	1118	1030	291
25°	965	1053	1138	1053	965	443
35°	778	800	759	800	778	488
45°	548	293	339	293	548	421
55°	312	108	114	108	312	278
65°	124	33	30	33	124	129
75°	35	7	6	7	35	39
85°	7	0	1	0	7	8
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°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1138.1	1137.0	1136.5	1137.6	1138.1	1140.4	1139.8	1140.9	1140.9	1141.5	1142.6
5°	1115.1	1114.6	1115.1	1115.1	1117.4	1119.6	1119.1	1120.7	1121.9	1124.7	1125.8
7.5°	1093.8	1093.8	1093.2	1095.5	1096.6	1100.0	1099.4	1102.2	1103.9	1106.7	1110.6
10°	1071.9	1071.9	1072.4	1074.1	1074.7	1079.7	1079.7	1083.7	1085.9	1088.7	1093.8
12.5°	1050.6	1050.6	1053.9	1052.8	1055.0	1059.0	1060.7	1064.6	1068.0	1073.6	1078.6
15°	1030.3	1030.3	1031.5	1034.3	1035.9	1041.0	1043.8	1048.3	1052.2	1057.9	1065.2
17.5°	1012.9	1012.4	1012.9	1016.3	1019.7	1024.2	1026.4	1032.0	1035.9	1043.3	1050.0
20°	995.5	996.7	996.7	999.5	1001.7	1007.3	1009.6	1015.8	1020.2	1027.0	1034.8
22.5°	980.4	979.8	979.8	983.7	985.4	990.5	992.7	998.3	1003.4	1009.0	1016.3
25°	965.2	964.1	966.3	966.9	968.0	973.6	975.3	979.2	984.3	989.4	996.7
27.5°	942.7	941.6	942.2	944.4	946.1	950.6	951.7	955.7	959.6	964.1	970.3
30°	899.5	898.4	897.8	901.8	903.5	906.8	908.5	915.2	916.3	921.4	925.9
32.5°	842.2	841.7	842.8	846.2	847.8	852.4	854.6	858.5	861.3	864.1	868.6
35°	778.2	777.1	778.2	781.6	781.6	785.5	787.2	788.9	788.3	788.9	787.8
37.5°	718.7	718.1	718.7	720.4	718.7	720.4	718.7	715.3	709.2	702.4	695.7
40°	668.2	668.7	665.4	667.6	661.4	660.3	654.1	645.7	633.4	619.9	600.8
42.5°	614.3	612.6	610.4	611.5	606.4	602.5	592.4	581.7	566.0	543.5	520.5
45°	548.0	547.5	546.3	545.8	542.4	538.5	530.0	517.7	500.3	477.3	449.7
47.5°	483.4	481.8	481.8	482.3	478.4	477.8	471.1	460.4	445.3	422.8	394.2
50°	421.7	421.1	422.2	424.5	421.7	420.6	416.1	408.8	395.3	376.2	349.2
52.5°	366.1	365.5	366.7	369.5	368.3	369.5	365.0	359.4	350.4	331.8	308.3
55°	311.6	311.6	311.6	315.0	315.0	315.0	312.7	309.4	301.0	287.5	265.6
57.5°	254.9	255.5	258.8	259.4	258.8	260.0	259.4	256.0	250.4	240.9	224.0
60°	207.2	207.2	208.9	210.6	210.0	210.6	210.6	208.9	203.3	195.4	181.9
62.5°	164.0	165.6	164.5	165.6	167.9	165.6	164.5	163.4	159.5	154.4	143.2
65°	124.1	125.2	125.2	125.8	124.6	125.2	123.0	121.3	119.0	113.4	106.1
67.5°	94.3	94.3	94.3	94.3	93.8	93.2	92.7	91.0	87.0	84.8	76.9
70°	72.4	69.1	69.1	69.1	69.1	69.6	67.9	65.7	64.6	60.6	55.0
72.5°	48.3	49.4	48.3	48.3	47.2	47.7	45.5	44.4	43.2	41.0	37.6
75°	34.8	32.0	33.1	33.7	32.0	33.1	30.9	28.6	28.6	26.9	25.3
77.5°	22.5	21.9	22.5	23.0	22.5	21.9	20.8	19.6	19.6	19.1	17.4
80°	16.3	15.7	15.7	15.7	15.2	15.7	14.6	14.6	13.5	12.9	11.8
82.5°	10.7	10.7	10.1	10.7	10.1	10.7	9.0	9.0	9.0	8.4	7.3
85°	7.3	6.2	6.2	6.7	5.6	6.7	6.2	5.6	5.1	5.1	4.5
87.5°	3.4	3.9	3.4	3.9	3.4	3.4	3.9	3.4	3.4	2.2	2.2
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°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1144.3	1144.9	1144.9	1147.1	1148.2	1148.8	1148.8	1153.3	1151.6	1152.8	1153.9
5°	1128.0	1131.4	1132.5	1132.5	1138.7	1140.9	1143.2	1148.2	1148.8	1152.2	1156.1
7.5°	1112.3	1116.2	1118.5	1123.5	1127.5	1131.4	1138.1	1141.5	1144.9	1149.4	1154.4
10°	1097.1	1101.7	1106.1	1110.1	1116.2	1121.3	1125.8	1133.6	1137.6	1143.8	1150.5
12.5°	1082.6	1088.7	1092.7	1099.4	1106.1	1110.6	1117.4	1124.7	1130.8	1137.0	1144.9
15°	1069.6	1076.9	1081.4	1088.7	1096.0	1102.2	1109.5	1118.5	1123.0	1130.3	1137.6
17.5°	1055.6	1063.5	1069.1	1075.8	1084.8	1091.5	1097.7	1106.7	1112.3	1120.2	1128.6
20°	1041.0	1048.9	1055.6	1062.3	1071.3	1078.1	1085.4	1094.4	1100.5	1108.4	1115.1
22.5°	1023.6	1030.9	1038.2	1046.0	1055.0	1060.7	1069.1	1076.9	1083.7	1091.0	1097.7
25°	1001.1	1010.1	1015.8	1023.0	1030.3	1036.5	1045.5	1053.4	1059.0	1065.7	1071.9
27.5°	974.8	981.5	986.0	992.2	999.5	1005.1	1011.8	1019.7	1025.3	1031.5	1035.9
30°	929.8	936.0	939.9	944.4	951.7	956.8	962.4	969.7	973.6	978.1	982.1
32.5°	870.9	875.9	878.2	881.5	886.6	891.6	896.1	902.3	904.0	906.8	906.8
35°	785.5	786.6	786.1	787.2	789.5	792.3	796.2	800.1	802.4	802.4	800.7
37.5°	685.6	678.9	671.6	665.9	664.2	663.1	665.4	667.0	669.3	670.4	667.6
40°	581.7	566.6	550.3	535.7	525.6	521.1	519.4	520.5	520.5	524.4	524.4
42.5°	492.4	468.8	444.7	422.8	408.2	397.0	391.9	391.9	392.5	395.3	397.0
45°	418.3	388.6	360.5	336.3	316.1	301.5	294.8	293.1	292.5	293.7	297.6
47.5°	361.6	330.7	301.5	271.8	250.4	235.8	229.7	227.4	225.2	227.4	228.0
50°	317.3	285.2	254.4	224.6	202.1	189.2	181.4	178.0	177.4	177.4	178.6
52.5°	276.8	247.1	216.2	185.9	162.3	149.9	142.6	140.9	138.7	140.9	140.9
55°	238.6	208.9	178.6	149.9	130.3	117.4	110.6	108.4	107.2	108.9	108.9
57.5°	197.1	171.8	143.8	117.9	98.3	89.3	84.2	81.4	80.8	82.0	80.8
60°	161.7	140.4	116.2	92.7	77.5	67.9	64.0	62.9	61.8	62.9	62.9
62.5°	128.0	110.1	90.4	72.4	59.5	52.8	48.3	48.3	47.7	47.7	48.3
65°	94.9	80.8	66.8	51.7	41.6	36.5	33.1	33.1	32.6	33.1	32.6
67.5°	69.1	59.5	48.3	37.6	29.8	26.9	24.7	23.0	24.2	23.0	22.5
70°	50.5	42.7	34.8	28.6	23.0	20.2	18.5	18.0	16.8	16.8	16.8
72.5°	33.7	28.6	23.6	18.5	15.2	12.3	11.8	10.7	9.5	10.1	11.2
75°	22.5	19.1	16.8	13.5	10.1	10.1	6.7	6.7	5.6	6.7	5.1
77.5°	15.7	12.9	10.1	8.4	6.7	6.2	4.5	4.5	3.9	3.9	3.9
80°	11.2	9.5	7.3	6.2	4.5	4.5	3.9	3.4	2.8	2.8	3.4
82.5°	6.7	5.1	5.1	4.5	2.8	2.2	1.7	2.2	1.1	1.1	1.1
85°	3.9	3.4	2.8	1.7	1.1	1.1	0.6	0.0	0.6	0.6	0.0
87.5°	2.2	1.1	1.1	0.6	0.0	0.6	0.6	0.0	0.0	0.0	1.1
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°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1156.7	1156.1	1157.2	1157.2	1160.6	1160.0	1161.7	1161.7	1160.6	1161.2	1163.4
5°	1160.6	1162.3	1165.7	1168.5	1173.5	1175.8	1178.6	1181.4	1181.9	1183.6	1185.3
7.5°	1160.6	1166.2	1170.2	1175.2	1181.9	1185.9	1192.0	1197.1	1199.3	1202.1	1205.5
10°	1158.3	1164.0	1171.3	1176.9	1185.3	1191.5	1197.7	1205.5	1208.9	1213.4	1217.9
12.5°	1153.9	1160.0	1167.9	1175.2	1184.7	1190.4	1198.2	1205.5	1210.6	1216.8	1221.8
15°	1147.1	1154.4	1161.7	1169.0	1179.1	1185.9	1193.2	1201.6	1206.7	1213.4	1217.9
17.5°	1136.5	1144.3	1151.1	1157.8	1167.3	1175.2	1181.9	1189.8	1194.9	1200.5	1206.7
20°	1123.5	1130.8	1138.1	1143.8	1153.3	1160.0	1167.3	1174.6	1178.6	1179.7	1189.2
22.5°	1107.3	1112.3	1117.9	1126.9	1132.5	1138.7	1145.5	1152.2	1156.1	1162.3	1165.7
25°	1080.3	1085.4	1091.5	1095.5	1102.2	1107.3	1114.0	1121.3	1123.5	1128.0	1131.4
27.5°	1042.7	1045.5	1048.3	1051.7	1055.6	1058.4	1062.3	1065.7	1068.0	1070.2	1072.4
30°	983.2	983.2	983.2	980.9	982.6	984.3	984.9	984.3	984.3	983.7	983.7
32.5°	904.6	900.1	895.0	890.5	888.8	886.6	885.5	883.8	881.0	879.3	879.9
35°	798.4	788.3	782.2	776.5	772.1	768.7	767.0	765.3	764.8	762.5	760.3
37.5°	665.9	658.6	654.1	650.8	646.8	643.5	644.0	644.6	646.3	645.2	645.7
40°	525.6	523.9	525.6	521.6	520.5	521.6	524.4	528.4	530.6	532.9	536.8
42.5°	399.8	402.6	406.5	406.5	408.2	410.5	413.8	420.0	423.4	427.3	431.8
45°	301.0	304.3	309.4	311.1	312.2	315.0	318.9	324.0	326.2	329.6	333.5
47.5°	231.9	234.1	236.9	239.8	242.6	243.7	247.6	247.6	250.4	252.7	253.8
50°	180.8	183.0	185.3	187.0	188.1	189.8	190.9	192.6	193.1	194.3	194.8
52.5°	141.5	144.3	144.3	145.4	147.1	148.8	148.2	148.8	149.3	149.3	151.0
55°	110.6	110.6	112.3	112.3	113.4	112.9	113.4	113.4	113.4	113.4	114.0
57.5°	82.5	83.1	84.8	83.7	83.1	84.2	83.1	84.2	83.7	84.8	83.1
60°	63.4	63.4	64.0	64.0	64.6	64.6	64.6	64.0	64.0	63.4	63.4
62.5°	47.7	48.3	48.9	48.3	48.3	48.3	47.7	47.7	47.2	46.6	46.6
65°	32.0	31.5	32.6	31.5	32.0	32.0	31.5	32.0	30.3	30.9	30.3
67.5°	23.0	22.5	21.9	22.5	21.9	21.3	21.3	21.9	22.5	20.8	20.8
70°	15.2	15.7	15.2	15.7	16.3	16.3	15.7	15.2	15.7	14.6	15.2
72.5°	9.5	9.5	9.5	9.5	9.5	10.1	10.1	10.1	9.0	9.0	8.4
75°	4.5	6.2	5.1	4.5	6.2	6.2	5.6	5.6	5.1	5.1	5.1
77.5°	4.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.8	3.4	2.8
80°	2.2	2.2	2.2	1.7	2.2	2.2	2.8	2.2	2.2	1.7	2.8
82.5°	1.1	1.1	1.1	0.0	0.6	1.1	1.1	0.6	1.1	1.1	0.6
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: P245000

CATALOG NUMBER: LSR8B20D010 EC8B20940 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1162.9	1162.3	1162.9	1163.4	1162.9	1162.3	1162.9	1163.4	1161.2	1160.6	1161.7
5°	1187.6	1187.6	1188.7	1189.2	1188.7	1187.6	1187.6	1185.3	1183.6	1181.9	1181.4
7.5°	1208.9	1210.0	1211.1	1211.7	1211.1	1210.0	1208.9	1205.5	1202.1	1199.3	1197.1
10°	1221.8	1223.5	1225.7	1226.9	1225.7	1223.5	1221.8	1217.9	1213.4	1208.9	1205.5
12.5°	1227.4	1229.1	1231.9	1231.4	1231.9	1229.1	1227.4	1221.8	1216.8	1210.6	1205.5
15°	1223.5	1225.7	1228.5	1229.7	1228.5	1225.7	1223.5	1217.9	1213.4	1206.7	1201.6
17.5°	1211.1	1214.5	1216.2	1217.9	1216.2	1214.5	1211.1	1206.7	1200.5	1194.9	1189.8
20°	1194.3	1196.6	1198.8	1199.3	1198.8	1196.6	1194.3	1189.2	1179.7	1178.6	1174.6
22.5°	1170.2	1171.8	1176.9	1175.2	1176.9	1171.8	1170.2	1165.7	1162.3	1156.1	1152.2
25°	1135.3	1137.0	1137.6	1138.1	1137.6	1137.0	1135.3	1131.4	1128.0	1123.5	1121.3
27.5°	1075.3	1075.3	1076.4	1076.9	1076.4	1075.3	1075.3	1072.4	1070.2	1068.0	1065.7
30°	984.3	984.3	984.3	987.1	984.3	984.3	984.3	983.7	983.7	984.3	984.3
32.5°	879.3	878.2	877.1	878.2	877.1	878.2	879.3	879.9	879.3	881.0	883.8
35°	760.3	759.7	761.4	759.1	761.4	759.7	760.3	760.3	762.5	764.8	765.3
37.5°	646.3	645.2	647.4	645.2	647.4	645.2	646.3	645.7	645.2	646.3	644.6
40°	537.9	539.0	539.0	543.5	539.0	539.0	537.9	536.8	532.9	530.6	528.4
42.5°	434.0	437.4	436.3	439.6	436.3	437.4	434.0	431.8	427.3	423.4	420.0
45°	335.8	338.0	338.0	339.1	338.0	338.0	335.8	333.5	329.6	326.2	324.0
47.5°	257.7	257.7	257.7	258.3	257.7	257.7	257.7	253.8	252.7	250.4	247.6
50°	196.0	196.5	197.1	197.6	197.1	196.5	196.0	194.8	194.3	193.1	192.6
52.5°	150.5	151.0	149.9	151.0	149.9	151.0	150.5	151.0	149.3	149.3	148.8
55°	114.0	113.4	114.0	114.5	114.0	113.4	114.0	114.0	113.4	113.4	113.4
57.5°	83.7	82.5	82.5	82.5	82.5	82.5	83.7	83.1	84.8	83.7	84.2
60°	62.3	62.9	62.9	63.4	62.9	62.9	62.3	63.4	63.4	64.0	64.0
62.5°	46.0	47.7	46.6	47.7	46.6	47.7	46.0	46.6	46.6	47.2	47.7
65°	29.8	29.8	29.8	30.3	29.8	29.8	29.8	30.3	30.9	30.3	32.0
67.5°	20.2	20.8	21.9	21.3	21.9	20.8	20.2	20.8	20.8	22.5	21.9
70°	16.3	14.6	14.6	16.3	14.6	14.6	16.3	15.2	14.6	15.7	15.2
72.5°	9.5	8.4	9.5	9.5	9.5	8.4	9.5	8.4	9.0	9.0	10.1
75°	5.1	4.5	3.9	5.6	3.9	4.5	5.1	5.1	5.1	5.1	5.6
77.5°	3.4	2.8	3.9	3.9	3.9	2.8	3.4	2.8	3.4	2.8	3.4
80°	1.7	2.2	1.7	2.8	1.7	2.2	1.7	2.8	1.7	2.2	2.2
82.5°	0.6	1.1	1.1	1.1	1.1	1.1	0.6	0.6	1.1	1.1	0.6
85°	0.0	1.1	0.6	0.6	0.6	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.6	0.0	0.0	0.6	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: P245000

CATALOG NUMBER: LSR8B20D010 EC8B20940 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1161.7	1160.0	1160.6	1157.2	1157.2	1156.1	1156.7	1153.9	1152.8	1151.6	1153.3
5°	1178.6	1175.8	1173.5	1168.5	1165.7	1162.3	1160.6	1156.1	1152.2	1148.8	1148.2
7.5°	1192.0	1185.9	1181.9	1175.2	1170.2	1166.2	1160.6	1154.4	1149.4	1144.9	1141.5
10°	1197.7	1191.5	1185.3	1176.9	1171.3	1164.0	1158.3	1150.5	1143.8	1137.6	1133.6
12.5°	1198.2	1190.4	1184.7	1175.2	1167.9	1160.0	1153.9	1144.9	1137.0	1130.8	1124.7
15°	1193.2	1185.9	1179.1	1169.0	1161.7	1154.4	1147.1	1137.6	1130.3	1123.0	1118.5
17.5°	1181.9	1175.2	1167.3	1157.8	1151.1	1144.3	1136.5	1128.6	1120.2	1112.3	1106.7
20°	1167.3	1160.0	1153.3	1143.8	1138.1	1130.8	1123.5	1115.1	1108.4	1100.5	1094.4
22.5°	1145.5	1138.7	1132.5	1126.9	1117.9	1112.3	1107.3	1097.7	1091.0	1083.7	1076.9
25°	1114.0	1107.3	1102.2	1095.5	1091.5	1085.4	1080.3	1071.9	1065.7	1059.0	1053.4
27.5°	1062.3	1058.4	1055.6	1051.7	1048.3	1045.5	1042.7	1035.9	1031.5	1025.3	1019.7
30°	984.9	984.3	982.6	980.9	983.2	983.2	983.2	982.1	978.1	973.6	969.7
32.5°	885.5	886.6	888.8	890.5	895.0	900.1	904.6	906.8	906.8	904.0	902.3
35°	767.0	768.7	772.1	776.5	782.2	788.3	798.4	800.7	802.4	802.4	800.1
37.5°	644.0	643.5	646.8	650.8	654.1	658.6	665.9	667.6	670.4	669.3	667.0
40°	524.4	521.6	520.5	521.6	525.6	523.9	525.6	524.4	524.4	520.5	520.5
42.5°	413.8	410.5	408.2	406.5	406.5	402.6	399.8	397.0	395.3	392.5	391.9
45°	318.9	315.0	312.2	311.1	309.4	304.3	301.0	297.6	293.7	292.5	293.1
47.5°	247.6	243.7	242.6	239.8	236.9	234.1	231.9	228.0	227.4	225.2	227.4
50°	190.9	189.8	188.1	187.0	185.3	183.0	180.8	178.6	177.4	177.4	178.0
52.5°	148.2	148.8	147.1	145.4	144.3	144.3	141.5	140.9	140.9	138.7	140.9
55°	113.4	112.9	113.4	112.3	112.3	110.6	110.6	108.9	108.9	107.2	108.4
57.5°	83.1	84.2	83.1	83.7	84.8	83.1	82.5	80.8	82.0	80.8	81.4
60°	64.6	64.6	64.6	64.0	64.0	63.4	63.4	62.9	62.9	61.8	62.9
62.5°	47.7	48.3	48.3	48.3	48.9	48.3	47.7	48.3	47.7	47.7	48.3
65°	31.5	32.0	32.0	31.5	32.6	31.5	32.0	32.6	33.1	32.6	33.1
67.5°	21.3	21.3	21.9	22.5	21.9	22.5	23.0	22.5	23.0	24.2	23.0
70°	15.7	16.3	16.3	15.7	15.2	15.7	15.2	16.8	16.8	16.8	18.0
72.5°	10.1	10.1	9.5	9.5	9.5	9.5	9.5	11.2	10.1	9.5	10.7
75°	5.6	6.2	6.2	4.5	5.1	6.2	4.5	5.1	6.7	5.6	6.7
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	4.5	3.9	3.9	3.9	4.5
80°	2.8	2.2	2.2	1.7	2.2	2.2	2.2	3.4	2.8	2.8	3.4
82.5°	1.1	1.1	0.6	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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: P245000

CATALOG NUMBER: LSR8B20D010 EC8B20940 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1148.8	1148.8	1148.2	1147.1	1144.9	1144.9	1144.3	1142.6	1141.5	1140.9	1140.9
5°	1143.2	1140.9	1138.7	1132.5	1132.5	1131.4	1128.0	1125.8	1124.7	1121.9	1120.7
7.5°	1138.1	1131.4	1127.5	1123.5	1118.5	1116.2	1112.3	1110.6	1106.7	1103.9	1102.2
10°	1125.8	1121.3	1116.2	1110.1	1106.1	1101.7	1097.1	1093.8	1088.7	1085.9	1083.7
12.5°	1117.4	1110.6	1106.1	1099.4	1092.7	1088.7	1082.6	1078.6	1073.6	1068.0	1064.6
15°	1109.5	1102.2	1096.0	1088.7	1081.4	1076.9	1069.6	1065.2	1057.9	1052.2	1048.3
17.5°	1097.7	1091.5	1084.8	1075.8	1069.1	1063.5	1055.6	1050.0	1043.3	1035.9	1032.0
20°	1085.4	1078.1	1071.3	1062.3	1055.6	1048.9	1041.0	1034.8	1027.0	1020.2	1015.8
22.5°	1069.1	1060.7	1055.0	1046.0	1038.2	1030.9	1023.6	1016.3	1009.0	1003.4	998.3
25°	1045.5	1036.5	1030.3	1023.0	1015.8	1010.1	1001.1	996.7	989.4	984.3	979.2
27.5°	1011.8	1005.1	999.5	992.2	986.0	981.5	974.8	970.3	964.1	959.6	955.7
30°	962.4	956.8	951.7	944.4	939.9	936.0	929.8	925.9	921.4	916.3	915.2
32.5°	896.1	891.6	886.6	881.5	878.2	875.9	870.9	868.6	864.1	861.3	858.5
35°	796.2	792.3	789.5	787.2	786.1	786.6	785.5	787.8	788.9	788.3	788.9
37.5°	665.4	663.1	664.2	665.9	671.6	678.9	685.6	695.7	702.4	709.2	715.3
40°	519.4	521.1	525.6	535.7	550.3	566.6	581.7	600.8	619.9	633.4	645.7
42.5°	391.9	397.0	408.2	422.8	444.7	468.8	492.4	520.5	543.5	566.0	581.7
45°	294.8	301.5	316.1	336.3	360.5	388.6	418.3	449.7	477.3	500.3	517.7
47.5°	229.7	235.8	250.4	271.8	301.5	330.7	361.6	394.2	422.8	445.3	460.4
50°	181.4	189.2	202.1	224.6	254.4	285.2	317.3	349.2	376.2	395.3	408.8
52.5°	142.6	149.9	162.3	185.9	216.2	247.1	276.8	308.3	331.8	350.4	359.4
55°	110.6	117.4	130.3	149.9	178.6	208.9	238.6	265.6	287.5	301.0	309.4
57.5°	84.2	89.3	98.3	117.9	143.8	171.8	197.1	224.0	240.9	250.4	256.0
60°	64.0	67.9	77.5	92.7	116.2	140.4	161.7	181.9	195.4	203.3	208.9
62.5°	48.3	52.8	59.5	72.4	90.4	110.1	128.0	143.2	154.4	159.5	163.4
65°	33.1	36.5	41.6	51.7	66.8	80.8	94.9	106.1	113.4	119.0	121.3
67.5°	24.7	26.9	29.8	37.6	48.3	59.5	69.1	76.9	84.8	87.0	91.0
70°	18.5	20.2	23.0	28.6	34.8	42.7	50.5	55.0	60.6	64.6	65.7
72.5°	11.8	12.3	15.2	18.5	23.6	28.6	33.7	37.6	41.0	43.2	44.4
75°	6.7	10.1	10.1	13.5	16.8	19.1	22.5	25.3	26.9	28.6	28.6
77.5°	4.5	6.2	6.7	8.4	10.1	12.9	15.7	17.4	19.1	19.6	19.6
80°	3.9	4.5	4.5	6.2	7.3	9.5	11.2	11.8	12.9	13.5	14.6
82.5°	1.7	2.2	2.8	4.5	5.1	5.1	6.7	7.3	8.4	9.0	9.0
85°	0.6	1.1	1.1	1.7	2.8	3.4	3.9	4.5	5.1	5.1	5.6
87.5°	0.6	0.6	0.0	0.6	1.1	1.1	2.2	2.2	2.2	3.4	3.4
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: P245000

CATALOG NUMBER: LSR8B20D010 EC8B20940 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1139.8	1140.4	1138.1	1137.6	1136.5	1137.0	1138.1
5°	1119.1	1119.6	1117.4	1115.1	1115.1	1114.6	1115.1
7.5°	1099.4	1100.0	1096.6	1095.5	1093.2	1093.8	1093.8
10°	1079.7	1079.7	1074.7	1074.1	1072.4	1071.9	1071.9
12.5°	1060.7	1059.0	1055.0	1052.8	1053.9	1050.6	1050.6
15°	1043.8	1041.0	1035.9	1034.3	1031.5	1030.3	1030.3
17.5°	1026.4	1024.2	1019.7	1016.3	1012.9	1012.4	1012.9
20°	1009.6	1007.3	1001.7	999.5	996.7	996.7	995.5
22.5°	992.7	990.5	985.4	983.7	979.8	979.8	980.4
25°	975.3	973.6	968.0	966.9	966.3	964.1	965.2
27.5°	951.7	950.6	946.1	944.4	942.2	941.6	942.7
30°	908.5	906.8	903.5	901.8	897.8	898.4	899.5
32.5°	854.6	852.4	847.8	846.2	842.8	841.7	842.2
35°	787.2	785.5	781.6	781.6	778.2	777.1	778.2
37.5°	718.7	720.4	718.7	720.4	718.7	718.1	718.7
40°	654.1	660.3	661.4	667.6	665.4	668.7	668.2
42.5°	592.4	602.5	606.4	611.5	610.4	612.6	614.3
45°	530.0	538.5	542.4	545.8	546.3	547.5	548.0
47.5°	471.1	477.8	478.4	482.3	481.8	481.8	483.4
50°	416.1	420.6	421.7	424.5	422.2	421.1	421.7
52.5°	365.0	369.5	368.3	369.5	366.7	365.5	366.1
55°	312.7	315.0	315.0	315.0	311.6	311.6	311.6
57.5°	259.4	260.0	258.8	259.4	258.8	255.5	254.9
60°	210.6	210.6	210.0	210.6	208.9	207.2	207.2
62.5°	164.5	165.6	167.9	165.6	164.5	165.6	164.0
65°	123.0	125.2	124.6	125.8	125.2	125.2	124.1
67.5°	92.7	93.2	93.8	94.3	94.3	94.3	94.3
70°	67.9	69.6	69.1	69.1	69.1	69.1	72.4
72.5°	45.5	47.7	47.2	48.3	48.3	49.4	48.3
75°	30.9	33.1	32.0	33.7	33.1	32.0	34.8
77.5°	20.8	21.9	22.5	23.0	22.5	21.9	22.5
80°	14.6	15.7	15.2	15.7	15.7	15.7	16.3
82.5°	9.0	10.7	10.1	10.7	10.1	10.7	10.7
85°	6.2	6.7	5.6	6.7	6.2	6.2	7.3
87.5°	3.9	3.4	3.4	3.9	3.4	3.9	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)