

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: P244543

Luminaire Tested: **LSR8B15D010 EC8B15850 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244543  
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: LSR8B15D010 EC8B15850 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1564.0 lumens  
Efficiency: N/A  
Efficacy: 108.6 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

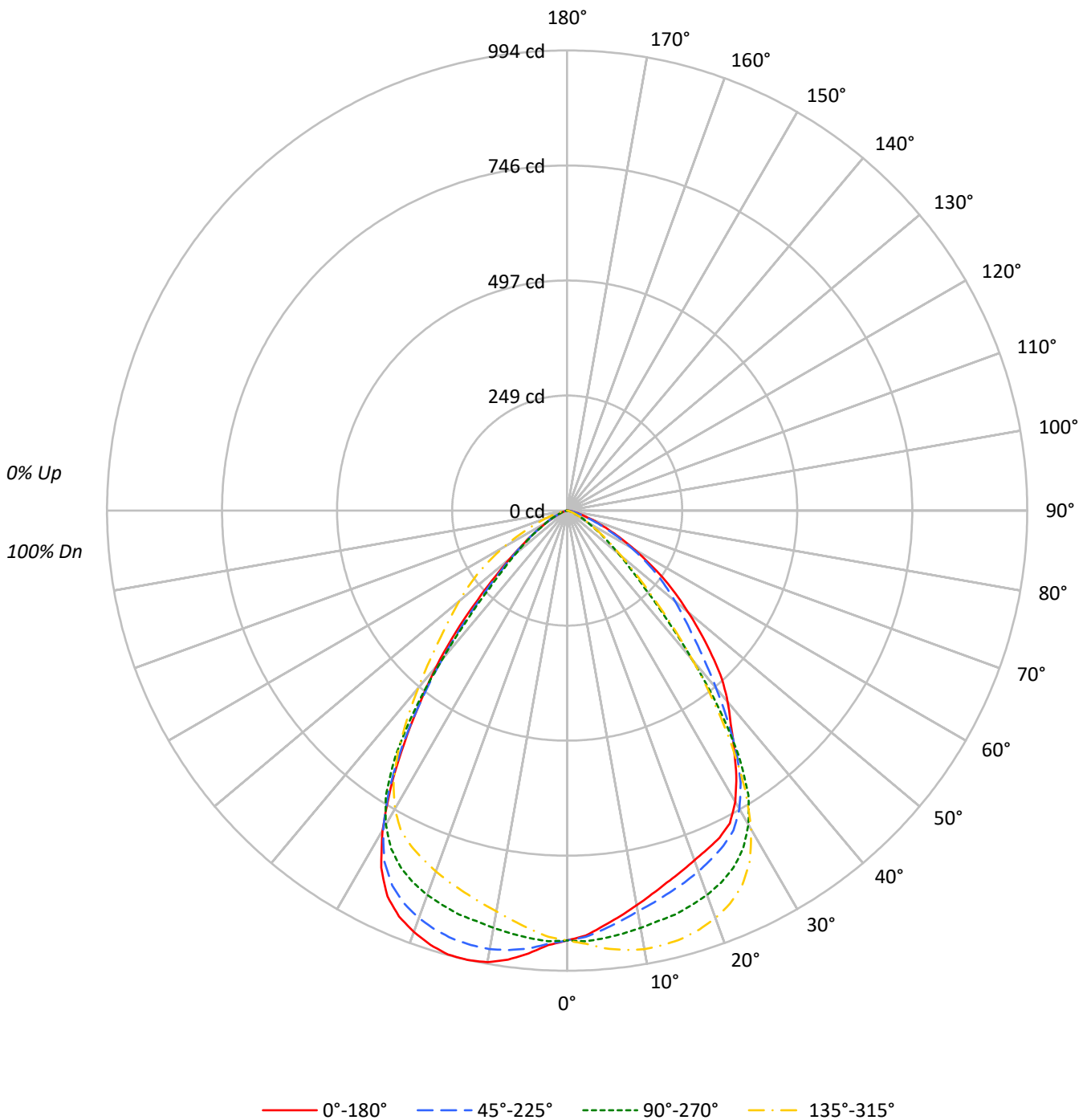
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	28632	28632	28632	28632
5°	27871	28698	29722	28698
10°	27101	28660	31018	28660
15°	26558	28831	31697	28831
20°	26377	28996	31778	28996
25°	26515	28938	31268	28938
30°	25861	27880	28379	27880
35°	23656	24318	23076	24318
40°	21717	16919	17667	16919
45°	19297	10322	11940	10322
50°	16335	6894	7656	6894
55°	13526	4704	4973	4704
60°	10318	3133	3158	3133
65°	7311	1948	1788	1948
70°	5274	1307	1190	1307
75°	3348	643	536	643
80°	2344	479	408	479
85°	2087	0	142	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.4	5.7
10°-20°	255.9	16.4
20°-30°	387.5	24.8
30°-40°	388.4	24.8
40°-50°	243.9	15.6
50°-60°	130.0	8.3
60°-70°	53.4	3.4
70°-80°	14.1	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°	731.8	46.8
0°-40°	1120.2	71.6
0°-60°	1494.1	95.5
0°-90°	1564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1564.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	928	928	928	928	928	
5°	900	927	960	927	900	85
15°	832	903	993	903	832	235
25°	779	850	919	850	779	357
35°	628	646	613	646	628	394
45°	442	237	274	237	442	340
55°	252	88	92	88	252	224
65°	100	27	24	27	100	104
75°	28	5	4	5	28	32
85°	6	0	0	0	6	6
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°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	919.0	918.1	917.6	918.5	919.0	920.8	920.3	921.2	921.2	921.7	922.6
5°	900.4	899.9	900.4	900.4	902.2	904.0	903.6	904.9	905.8	908.1	909.0
7.5°	883.2	883.2	882.7	884.5	885.4	888.2	887.7	890.0	891.3	893.6	896.8
10°	865.5	865.5	865.9	867.3	867.8	871.8	871.8	875.0	876.8	879.1	883.2
12.5°	848.3	848.3	851.0	850.1	851.9	855.0	856.4	859.6	862.3	866.8	870.9
15°	831.9	831.9	832.8	835.1	836.5	840.5	842.8	846.4	849.6	854.2	860.0
17.5°	817.9	817.4	817.9	820.6	823.3	826.9	828.8	833.3	836.5	842.4	847.8
20°	803.8	804.7	804.7	807.0	808.8	813.3	815.2	820.2	823.8	829.2	835.6
22.5°	791.6	791.1	791.1	794.3	795.7	799.7	801.5	806.1	810.2	814.7	820.6
25°	779.3	778.4	780.3	780.7	781.6	786.1	787.5	790.7	794.8	798.8	804.7
27.5°	761.2	760.3	760.8	762.6	763.9	767.5	768.5	771.6	774.8	778.4	783.4
30°	726.3	725.4	724.9	728.1	729.5	732.2	733.5	739.0	739.9	744.0	747.6
32.5°	680.0	679.6	680.5	683.2	684.6	688.2	690.0	693.2	695.5	697.7	701.4
35°	628.4	627.5	628.4	631.1	631.1	634.3	635.6	637.0	636.5	637.0	636.1
37.5°	580.3	579.9	580.3	581.7	580.3	581.7	580.3	577.6	572.6	567.2	561.7
40°	539.5	540.0	537.3	539.1	534.1	533.2	528.2	521.4	511.4	500.5	485.1
42.5°	496.0	494.6	492.8	493.7	489.6	486.5	478.3	469.7	457.0	438.9	420.3
45°	442.5	442.0	441.1	440.7	438.0	434.8	428.0	418.0	404.0	385.4	363.1
47.5°	390.4	389.0	389.0	389.4	386.3	385.8	380.4	371.8	359.5	341.4	318.3
50°	340.5	340.0	340.9	342.7	340.5	339.6	336.0	330.1	319.2	303.8	282.0
52.5°	295.6	295.1	296.1	298.3	297.4	298.3	294.7	290.2	282.9	267.9	248.9
55°	251.6	251.6	251.6	254.3	254.3	254.3	252.5	249.8	243.0	232.1	214.5
57.5°	205.8	206.3	209.0	209.5	209.0	209.9	209.5	206.7	202.2	194.5	180.9
60°	167.3	167.3	168.7	170.0	169.6	170.0	170.0	168.7	164.1	157.8	146.9
62.5°	132.4	133.7	132.8	133.7	135.6	133.7	132.8	131.9	128.8	124.7	115.6
65°	100.2	101.1	101.1	101.6	100.6	101.1	99.3	97.9	96.1	91.6	85.7
67.5°	76.2	76.2	76.2	76.2	75.7	75.3	74.8	73.4	70.3	68.5	62.1
70°	58.5	55.8	55.8	55.8	55.8	56.2	54.9	53.1	52.1	49.0	44.4
72.5°	39.0	39.9	39.0	39.0	38.1	38.5	36.7	35.8	34.9	33.1	30.4
75°	28.1	25.8	26.7	27.2	25.8	26.7	24.9	23.1	23.1	21.8	20.4
77.5°	18.1	17.7	18.1	18.6	18.1	17.7	16.8	15.9	15.9	15.4	14.1
80°	13.2	12.7	12.7	12.7	12.2	12.7	11.8	11.8	10.9	10.4	9.5
82.5°	8.6	8.6	8.2	8.6	8.2	8.6	7.3	7.3	7.3	6.8	5.9
85°	5.9	5.0	5.0	5.4	4.5	5.4	5.0	4.5	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	924.0	924.4	924.4	926.2	927.1	927.6	927.6	931.2	929.9	930.8	931.7
5°	910.8	913.5	914.4	914.4	919.4	921.2	923.0	927.1	927.6	930.3	933.5
7.5°	898.1	901.3	903.1	907.2	910.4	913.5	919.0	921.7	924.4	928.0	932.1
10°	885.9	889.5	893.1	896.3	901.3	905.4	909.0	915.3	918.5	923.5	928.9
12.5°	874.1	879.1	882.3	887.7	893.1	896.8	902.2	908.1	913.1	918.1	924.4
15°	863.7	869.6	873.2	879.1	885.0	890.0	895.9	903.1	906.7	912.6	918.5
17.5°	852.3	858.7	863.2	868.7	875.9	881.3	886.3	893.6	898.1	904.5	911.3
20°	840.5	846.9	852.3	857.8	865.0	870.5	876.4	883.6	888.6	894.9	900.4
22.5°	826.5	832.4	838.3	844.6	851.9	856.4	863.2	869.6	875.0	880.9	886.3
25°	808.4	815.6	820.2	826.0	831.9	836.9	844.2	850.5	855.0	860.5	865.5
27.5°	787.0	792.5	796.1	801.1	807.0	811.5	817.0	823.3	827.9	832.8	836.5
30°	750.8	755.8	758.9	762.6	768.5	772.5	777.1	783.0	786.1	789.8	792.9
32.5°	703.2	707.3	709.1	711.8	715.9	719.9	723.6	728.6	729.9	732.2	732.2
35°	634.3	635.2	634.7	635.6	637.4	639.7	642.9	646.0	647.9	647.9	646.5
37.5°	553.6	548.1	542.2	537.7	536.3	535.4	537.3	538.6	540.4	541.3	539.1
40°	469.7	457.5	444.3	432.5	424.4	420.7	419.4	420.3	420.3	423.4	423.4
42.5°	397.6	378.6	359.1	341.4	329.6	320.5	316.5	316.5	316.9	319.2	320.5
45°	337.8	313.7	291.1	271.6	255.2	243.5	238.0	236.7	236.2	237.1	240.3
47.5°	292.0	267.0	243.5	219.4	202.2	190.4	185.4	183.6	181.8	183.6	184.1
50°	256.2	230.3	205.4	181.3	163.2	152.8	146.4	143.7	143.3	143.3	144.2
52.5°	223.5	199.5	174.6	150.1	131.0	121.1	115.2	113.8	112.0	113.8	113.8
55°	192.7	168.7	144.2	121.1	105.2	94.8	89.3	87.5	86.6	87.9	87.9
57.5°	159.1	138.7	116.1	95.2	79.3	72.1	68.0	65.7	65.3	66.2	65.3
60°	130.6	113.3	93.8	74.8	62.6	54.9	51.7	50.8	49.9	50.8	50.8
62.5°	103.4	88.9	73.0	58.5	48.1	42.6	39.0	39.0	38.5	38.5	39.0
65°	76.6	65.3	53.9	41.7	33.6	29.5	26.7	26.7	26.3	26.7	26.3
67.5°	55.8	48.1	39.0	30.4	24.0	21.8	19.9	18.6	19.5	18.6	18.1
70°	40.8	34.4	28.1	23.1	18.6	16.3	15.0	14.5	13.6	13.6	13.6
72.5°	27.2	23.1	19.0	15.0	12.2	10.0	9.5	8.6	7.7	8.2	9.1
75°	18.1	15.4	13.6	10.9	8.2	8.2	5.4	5.4	4.5	5.4	4.1
77.5°	12.7	10.4	8.2	6.8	5.4	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°	5.4	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	0.4	0.0	0.4	0.4	0.0
87.5°	1.8	0.9	0.9	0.4	0.0	0.4	0.4	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



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	933.9	933.5	934.4	934.4	937.1	936.7	938.0	938.0	937.1	937.6	939.4
5°	937.1	938.5	941.2	943.5	947.5	949.4	951.6	953.9	954.3	955.7	957.1
7.5°	937.1	941.7	944.8	948.9	954.3	957.5	962.5	966.6	968.4	970.7	973.4
10°	935.3	939.8	945.7	950.3	957.1	962.0	967.0	973.4	976.1	979.7	983.4
12.5°	931.7	936.7	943.0	948.9	956.6	961.1	967.5	973.4	977.5	982.4	986.5
15°	926.2	932.1	938.0	943.9	952.1	957.5	963.4	970.2	974.3	979.7	983.4
17.5°	917.6	924.0	929.4	934.8	942.5	948.9	954.3	960.7	964.8	969.3	974.3
20°	907.2	913.1	919.0	923.5	931.2	936.7	942.5	948.4	951.6	952.5	960.2
22.5°	894.0	898.1	902.7	909.9	914.4	919.4	924.9	930.3	933.5	938.5	941.2
25°	872.3	876.4	881.3	884.5	890.0	894.0	899.5	905.4	907.2	910.8	913.5
27.5°	841.9	844.2	846.4	849.2	852.3	854.6	857.8	860.5	862.3	864.1	865.9
30°	793.8	793.8	793.8	792.0	793.4	794.8	795.2	794.8	794.8	794.3	794.3
32.5°	730.4	726.8	722.7	719.0	717.7	715.9	715.0	713.6	711.3	710.0	710.4
35°	644.7	636.5	631.5	627.0	623.4	620.7	619.3	617.9	617.5	615.7	613.9
37.5°	537.7	531.8	528.2	525.5	522.3	519.6	520.0	520.5	521.8	520.9	521.4
40°	424.4	423.0	424.4	421.2	420.3	421.2	423.4	426.6	428.4	430.2	433.4
42.5°	322.8	325.1	328.2	328.2	329.6	331.4	334.1	339.1	341.8	345.0	348.6
45°	243.0	245.7	249.8	251.2	252.1	254.3	257.5	261.6	263.4	266.1	269.3
47.5°	187.2	189.1	191.3	193.6	195.8	196.8	199.9	199.9	202.2	204.0	204.9
50°	146.0	147.8	149.6	151.0	151.9	153.2	154.1	155.5	156.0	156.9	157.3
52.5°	114.2	116.5	116.5	117.4	118.8	120.1	119.7	120.1	120.6	120.6	121.9
55°	89.3	89.3	90.7	90.7	91.6	91.1	91.6	91.6	91.6	91.6	92.0
57.5°	66.6	67.1	68.5	67.6	67.1	68.0	67.1	68.0	67.6	68.5	67.1
60°	51.2	51.2	51.7	51.7	52.1	52.1	52.1	51.7	51.7	51.2	51.2
62.5°	38.5	39.0	39.4	39.0	39.0	39.0	38.5	38.5	38.1	37.6	37.6
65°	25.8	25.4	26.3	25.4	25.8	25.8	25.4	25.8	24.5	24.9	24.5
67.5°	18.6	18.1	17.7	18.1	17.7	17.2	17.2	17.7	18.1	16.8	16.8
70°	12.2	12.7	12.2	12.7	13.2	13.2	12.7	12.2	12.7	11.8	12.2
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	4.5	4.5	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	0.4	0.9	0.9	0.4	0.9	0.9	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





TEST NUMBER: P244543

CATALOG NUMBER: LSR8B15D010 EC8B15850 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	938.9	938.5	938.9	939.4	938.9	938.5	938.9	939.4	937.6	937.1	938.0
5°	958.9	958.9	959.8	960.2	959.8	958.9	958.9	957.1	955.7	954.3	953.9
7.5°	976.1	977.0	977.9	978.4	977.9	977.0	976.1	973.4	970.7	968.4	966.6
10°	986.5	987.9	989.7	990.6	989.7	987.9	986.5	983.4	979.7	976.1	973.4
12.5°	991.1	992.4	994.7	994.2	994.7	992.4	991.1	986.5	982.4	977.5	973.4
15°	987.9	989.7	992.0	992.9	992.0	989.7	987.9	983.4	979.7	974.3	970.2
17.5°	977.9	980.6	982.0	983.4	982.0	980.6	977.9	974.3	969.3	964.8	960.7
20°	964.3	966.1	967.9	968.4	967.9	966.1	964.3	960.2	952.5	951.6	948.4
22.5°	944.8	946.2	950.3	948.9	950.3	946.2	944.8	941.2	938.5	933.5	930.3
25°	916.7	918.1	918.5	919.0	918.5	918.1	916.7	913.5	910.8	907.2	905.4
27.5°	868.2	868.2	869.1	869.6	869.1	868.2	868.2	865.9	864.1	862.3	860.5
30°	794.8	794.8	794.8	797.0	794.8	794.8	794.8	794.3	794.3	794.8	794.8
32.5°	710.0	709.1	708.2	709.1	708.2	709.1	710.0	710.4	710.0	711.3	713.6
35°	613.9	613.4	614.8	613.0	614.8	613.4	613.9	613.9	615.7	617.5	617.9
37.5°	521.8	520.9	522.7	520.9	522.7	520.9	521.8	521.4	520.9	521.8	520.5
40°	434.3	435.2	435.2	438.9	435.2	435.2	434.3	433.4	430.2	428.4	426.6
42.5°	350.5	353.2	352.3	355.0	352.3	353.2	350.5	348.6	345.0	341.8	339.1
45°	271.1	272.9	272.9	273.8	272.9	272.9	271.1	269.3	266.1	263.4	261.6
47.5°	208.1	208.1	208.1	208.6	208.1	208.1	208.1	204.9	204.0	202.2	199.9
50°	158.2	158.7	159.1	159.6	159.1	158.7	158.2	157.3	156.9	156.0	155.5
52.5°	121.5	121.9	121.1	121.9	121.1	121.9	121.5	121.9	120.6	120.6	120.1
55°	92.0	91.6	92.0	92.5	92.0	91.6	92.0	92.0	91.6	91.6	91.6
57.5°	67.6	66.6	66.6	66.6	66.6	66.6	67.6	67.1	68.5	67.6	68.0
60°	50.3	50.8	50.8	51.2	50.8	50.8	50.3	51.2	51.2	51.7	51.7
62.5°	37.2	38.5	37.6	38.5	37.6	38.5	37.2	37.6	37.6	38.1	38.5
65°	24.0	24.0	24.0	24.5	24.0	24.0	24.0	24.5	24.9	24.5	25.8
67.5°	16.3	16.8	17.7	17.2	17.7	16.8	16.3	16.8	16.8	18.1	17.7
70°	13.2	11.8	11.8	13.2	11.8	11.8	13.2	12.2	11.8	12.7	12.2
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	4.5	3.2	3.6	4.1	4.1	4.1	4.1	4.5
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°	0.4	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.9	0.9	0.4
85°	0.0	0.9	0.4	0.4	0.4	0.9	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: P244543

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	938.0	936.7	937.1	934.4	934.4	933.5	933.9	931.7	930.8	929.9	931.2
5°	951.6	949.4	947.5	943.5	941.2	938.5	937.1	933.5	930.3	927.6	927.1
7.5°	962.5	957.5	954.3	948.9	944.8	941.7	937.1	932.1	928.0	924.4	921.7
10°	967.0	962.0	957.1	950.3	945.7	939.8	935.3	928.9	923.5	918.5	915.3
12.5°	967.5	961.1	956.6	948.9	943.0	936.7	931.7	924.4	918.1	913.1	908.1
15°	963.4	957.5	952.1	943.9	938.0	932.1	926.2	918.5	912.6	906.7	903.1
17.5°	954.3	948.9	942.5	934.8	929.4	924.0	917.6	911.3	904.5	898.1	893.6
20°	942.5	936.7	931.2	923.5	919.0	913.1	907.2	900.4	894.9	888.6	883.6
22.5°	924.9	919.4	914.4	909.9	902.7	898.1	894.0	886.3	880.9	875.0	869.6
25°	899.5	894.0	890.0	884.5	881.3	876.4	872.3	865.5	860.5	855.0	850.5
27.5°	857.8	854.6	852.3	849.2	846.4	844.2	841.9	836.5	832.8	827.9	823.3
30°	795.2	794.8	793.4	792.0	793.8	793.8	793.8	792.9	789.8	786.1	783.0
32.5°	715.0	715.9	717.7	719.0	722.7	726.8	730.4	732.2	732.2	729.9	728.6
35°	619.3	620.7	623.4	627.0	631.5	636.5	644.7	646.5	647.9	647.9	646.0
37.5°	520.0	519.6	522.3	525.5	528.2	531.8	537.7	539.1	541.3	540.4	538.6
40°	423.4	421.2	420.3	421.2	424.4	423.0	424.4	423.4	423.4	420.3	420.3
42.5°	334.1	331.4	329.6	328.2	328.2	325.1	322.8	320.5	319.2	316.9	316.5
45°	257.5	254.3	252.1	251.2	249.8	245.7	243.0	240.3	237.1	236.2	236.7
47.5°	199.9	196.8	195.8	193.6	191.3	189.1	187.2	184.1	183.6	181.8	183.6
50°	154.1	153.2	151.9	151.0	149.6	147.8	146.0	144.2	143.3	143.3	143.7
52.5°	119.7	120.1	118.8	117.4	116.5	116.5	114.2	113.8	113.8	112.0	113.8
55°	91.6	91.1	91.6	90.7	90.7	89.3	89.3	87.9	87.9	86.6	87.5
57.5°	67.1	68.0	67.1	67.6	68.5	67.1	66.6	65.3	66.2	65.3	65.7
60°	52.1	52.1	52.1	51.7	51.7	51.2	51.2	50.8	50.8	49.9	50.8
62.5°	38.5	39.0	39.0	39.0	39.4	39.0	38.5	39.0	38.5	38.5	39.0
65°	25.4	25.8	25.8	25.4	26.3	25.4	25.8	26.3	26.7	26.3	26.7
67.5°	17.2	17.2	17.7	18.1	17.7	18.1	18.6	18.1	18.6	19.5	18.6
70°	12.7	13.2	13.2	12.7	12.2	12.7	12.2	13.6	13.6	13.6	14.5
72.5°	8.2	8.2	7.7	7.7	7.7	7.7	7.7	9.1	8.2	7.7	8.6
75°	4.5	5.0	5.0	3.6	4.1	5.0	3.6	4.1	5.4	4.5	5.4
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	0.4	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	0.4	0.4	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: P244543

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	927.6	927.6	927.1	926.2	924.4	924.4	924.0	922.6	921.7	921.2	921.2
5°	923.0	921.2	919.4	914.4	914.4	913.5	910.8	909.0	908.1	905.8	904.9
7.5°	919.0	913.5	910.4	907.2	903.1	901.3	898.1	896.8	893.6	891.3	890.0
10°	909.0	905.4	901.3	896.3	893.1	889.5	885.9	883.2	879.1	876.8	875.0
12.5°	902.2	896.8	893.1	887.7	882.3	879.1	874.1	870.9	866.8	862.3	859.6
15°	895.9	890.0	885.0	879.1	873.2	869.6	863.7	860.0	854.2	849.6	846.4
17.5°	886.3	881.3	875.9	868.7	863.2	858.7	852.3	847.8	842.4	836.5	833.3
20°	876.4	870.5	865.0	857.8	852.3	846.9	840.5	835.6	829.2	823.8	820.2
22.5°	863.2	856.4	851.9	844.6	838.3	832.4	826.5	820.6	814.7	810.2	806.1
25°	844.2	836.9	831.9	826.0	820.2	815.6	808.4	804.7	798.8	794.8	790.7
27.5°	817.0	811.5	807.0	801.1	796.1	792.5	787.0	783.4	778.4	774.8	771.6
30°	777.1	772.5	768.5	762.6	758.9	755.8	750.8	747.6	744.0	739.9	739.0
32.5°	723.6	719.9	715.9	711.8	709.1	707.3	703.2	701.4	697.7	695.5	693.2
35°	642.9	639.7	637.4	635.6	634.7	635.2	634.3	636.1	637.0	636.5	637.0
37.5°	537.3	535.4	536.3	537.7	542.2	548.1	553.6	561.7	567.2	572.6	577.6
40°	419.4	420.7	424.4	432.5	444.3	457.5	469.7	485.1	500.5	511.4	521.4
42.5°	316.5	320.5	329.6	341.4	359.1	378.6	397.6	420.3	438.9	457.0	469.7
45°	238.0	243.5	255.2	271.6	291.1	313.7	337.8	363.1	385.4	404.0	418.0
47.5°	185.4	190.4	202.2	219.4	243.5	267.0	292.0	318.3	341.4	359.5	371.8
50°	146.4	152.8	163.2	181.3	205.4	230.3	256.2	282.0	303.8	319.2	330.1
52.5°	115.2	121.1	131.0	150.1	174.6	199.5	223.5	248.9	267.9	282.9	290.2
55°	89.3	94.8	105.2	121.1	144.2	168.7	192.7	214.5	232.1	243.0	249.8
57.5°	68.0	72.1	79.3	95.2	116.1	138.7	159.1	180.9	194.5	202.2	206.7
60°	51.7	54.9	62.6	74.8	93.8	113.3	130.6	146.9	157.8	164.1	168.7
62.5°	39.0	42.6	48.1	58.5	73.0	88.9	103.4	115.6	124.7	128.8	131.9
65°	26.7	29.5	33.6	41.7	53.9	65.3	76.6	85.7	91.6	96.1	97.9
67.5°	19.9	21.8	24.0	30.4	39.0	48.1	55.8	62.1	68.5	70.3	73.4
70°	15.0	16.3	18.6	23.1	28.1	34.4	40.8	44.4	49.0	52.1	53.1
72.5°	9.5	10.0	12.2	15.0	19.0	23.1	27.2	30.4	33.1	34.9	35.8
75°	5.4	8.2	8.2	10.9	13.6	15.4	18.1	20.4	21.8	23.1	23.1
77.5°	3.6	5.0	5.4	6.8	8.2	10.4	12.7	14.1	15.4	15.9	15.9
80°	3.2	3.6	3.6	5.0	5.9	7.7	9.1	9.5	10.4	10.9	11.8
82.5°	1.4	1.8	2.3	3.6	4.1	4.1	5.4	5.9	6.8	7.3	7.3
85°	0.4	0.9	0.9	1.4	2.3	2.7	3.2	3.6	4.1	4.1	4.5
87.5°	0.4	0.4	0.0	0.4	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: P244543

CATALOG NUMBER: LSR8B15D010 EC8B15850 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	920.3	920.8	919.0	918.5	917.6	918.1	919.0
5°	903.6	904.0	902.2	900.4	900.4	899.9	900.4
7.5°	887.7	888.2	885.4	884.5	882.7	883.2	883.2
10°	871.8	871.8	867.8	867.3	865.9	865.5	865.5
12.5°	856.4	855.0	851.9	850.1	851.0	848.3	848.3
15°	842.8	840.5	836.5	835.1	832.8	831.9	831.9
17.5°	828.8	826.9	823.3	820.6	817.9	817.4	817.9
20°	815.2	813.3	808.8	807.0	804.7	804.7	803.8
22.5°	801.5	799.7	795.7	794.3	791.1	791.1	791.6
25°	787.5	786.1	781.6	780.7	780.3	778.4	779.3
27.5°	768.5	767.5	763.9	762.6	760.8	760.3	761.2
30°	733.5	732.2	729.5	728.1	724.9	725.4	726.3
32.5°	690.0	688.2	684.6	683.2	680.5	679.6	680.0
35°	635.6	634.3	631.1	631.1	628.4	627.5	628.4
37.5°	580.3	581.7	580.3	581.7	580.3	579.9	580.3
40°	528.2	533.2	534.1	539.1	537.3	540.0	539.5
42.5°	478.3	486.5	489.6	493.7	492.8	494.6	496.0
45°	428.0	434.8	438.0	440.7	441.1	442.0	442.5
47.5°	380.4	385.8	386.3	389.4	389.0	389.0	390.4
50°	336.0	339.6	340.5	342.7	340.9	340.0	340.5
52.5°	294.7	298.3	297.4	298.3	296.1	295.1	295.6
55°	252.5	254.3	254.3	254.3	251.6	251.6	251.6
57.5°	209.5	209.9	209.0	209.5	209.0	206.3	205.8
60°	170.0	170.0	169.6	170.0	168.7	167.3	167.3
62.5°	132.8	133.7	135.6	133.7	132.8	133.7	132.4
65°	99.3	101.1	100.6	101.6	101.1	101.1	100.2
67.5°	74.8	75.3	75.7	76.2	76.2	76.2	76.2
70°	54.9	56.2	55.8	55.8	55.8	55.8	58.5
72.5°	36.7	38.5	38.1	39.0	39.0	39.9	39.0
75°	24.9	26.7	25.8	27.2	26.7	25.8	28.1
77.5°	16.8	17.7	18.1	18.6	18.1	17.7	18.1
80°	11.8	12.7	12.2	12.7	12.7	12.7	13.2
82.5°	7.3	8.6	8.2	8.6	8.2	8.6	8.6
85°	5.0	5.4	4.5	5.4	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)