

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: P248980

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248980
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: LSR8B150D010 EC8B150827 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15086.0 lumens
Efficiency: N/A
Efficacy: 95.2 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

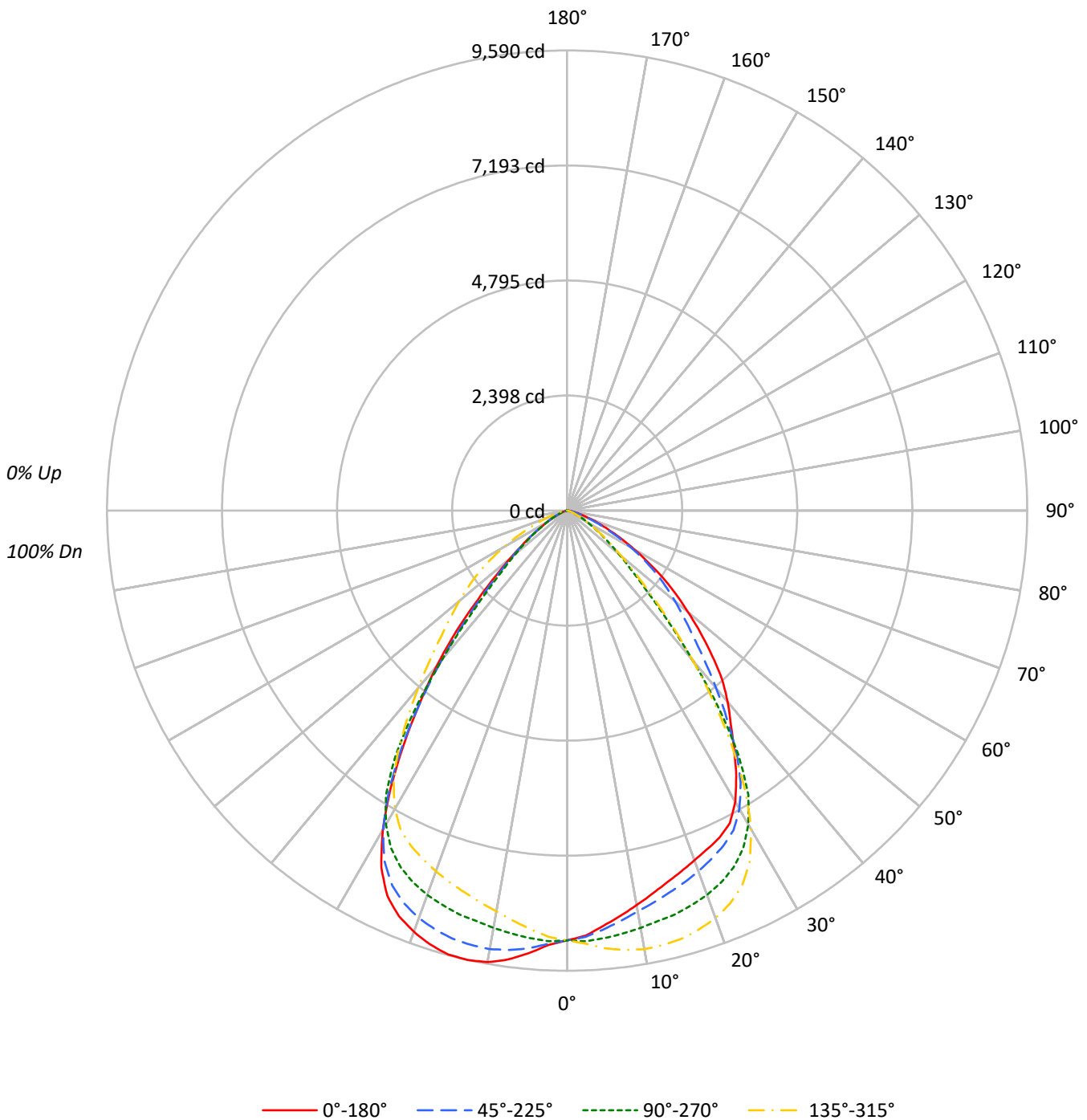
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

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°	276173	276173	276173	276173
5°	268836	276819	286706	276819
10°	261399	276460	299189	276460
15°	256178	278100	305740	278100
20°	254434	279692	306525	279692
25°	255769	279130	301600	279130
30°	249446	268913	273744	268913
35°	228165	234584	222571	234584
40°	209482	163181	170403	163181
45°	186133	99551	115185	99551
50°	157547	66500	73849	66500
55°	130484	45375	47961	45375
60°	99521	30207	30472	30207
65°	70513	18818	17234	18818
70°	50859	12613	11441	12613
75°	32299	6267	5207	6267
80°	22535	4670	3871	4670
85°	20132	0	1521	0



TEST NUMBER: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.5	5.7
10°-20°	2468.5	16.4
20°-30°	3737.9	24.8
30°-40°	3746.3	24.8
40°-50°	2352.5	15.6
50°-60°	1253.6	8.3
60°-70°	515.5	3.4
70°-80°	136.2	0.9
80°-90°	23.0	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°	7058.9	46.8
0°-40°	10805.2	71.6
0°-60°	14411.3	95.5
0°-90°	15086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15086.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8956	8956	8956	8956	8956	
5°	8685	8943	9262	8943	8685	819
15°	8025	8711	9577	8711	8025	2270
25°	7517	8204	8864	8204	7517	3448
35°	6061	6232	5912	6232	6061	3797
45°	4268	2283	2641	2283	4268	3283
55°	2427	844	892	844	2427	2164
65°	966	258	236	258	966	1002
75°	271	53	44	53	271	307
85°	57	0	4	0	57	63
90°	0	0	0	0	0	



TEST NUMBER: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1
2.5°	8864.3	8855.5	8851.1	8860.0	8864.3	8881.7	8877.4	8886.1	8886.1	8890.6	8899.2
5°	8685.0	8680.5	8685.0	8685.0	8702.5	8719.9	8715.6	8728.7	8737.4	8759.3	8768.0
7.5°	8518.9	8518.9	8514.4	8531.8	8540.6	8566.9	8562.4	8584.4	8597.5	8619.3	8649.9
10°	8348.2	8348.2	8352.5	8365.7	8370.2	8409.4	8409.4	8440.0	8457.5	8479.4	8518.9
12.5°	8182.1	8182.1	8208.4	8199.5	8217.0	8247.6	8260.7	8291.3	8317.6	8361.4	8400.8
15°	8024.6	8024.6	8033.4	8055.2	8068.3	8107.7	8129.5	8164.6	8195.2	8239.0	8295.8
17.5°	7889.0	7884.7	7889.0	7915.3	7941.6	7976.5	7994.0	8037.7	8068.3	8125.2	8177.8
20°	7753.5	7762.3	7762.3	7784.1	7801.6	7845.3	7862.8	7911.0	7945.9	7998.3	8059.7
22.5°	7635.4	7631.1	7631.1	7661.7	7674.8	7714.1	7731.5	7775.3	7814.7	7858.4	7915.3
25°	7517.3	7508.5	7526.2	7530.5	7539.1	7582.9	7596.0	7626.6	7666.0	7705.4	7762.3
27.5°	7342.4	7333.7	7338.1	7355.5	7368.7	7403.6	7412.4	7443.0	7473.6	7508.5	7556.8
30°	7005.6	6997.0	6992.6	7023.2	7036.4	7062.5	7075.6	7128.2	7136.8	7176.2	7211.2
32.5°	6559.6	6555.2	6564.1	6590.2	6603.3	6638.4	6655.9	6686.5	6708.2	6730.2	6765.1
35°	6061.1	6052.3	6061.1	6087.4	6087.4	6118.0	6131.2	6144.1	6139.8	6144.1	6135.5
37.5°	5597.6	5593.1	5597.6	5610.6	5597.6	5610.6	5597.6	5571.4	5523.3	5470.7	5418.2
40°	5204.0	5208.3	5182.2	5199.7	5151.4	5142.8	5094.7	5029.0	4932.9	4828.0	4679.3
42.5°	4784.2	4771.1	4753.6	4762.3	4723.0	4692.2	4613.6	4530.6	4408.0	4233.2	4053.8
45°	4268.2	4263.8	4255.0	4250.7	4224.4	4193.8	4128.1	4032.0	3896.5	3717.2	3502.8
47.5°	3765.2	3752.1	3752.1	3756.4	3725.8	3721.5	3668.9	3586.0	3467.9	3292.9	3069.9
50°	3284.1	3279.8	3288.6	3306.1	3284.1	3275.5	3240.5	3183.7	3078.7	2930.0	2720.0
52.5°	2851.2	2846.9	2855.7	2877.5	2868.7	2877.5	2842.6	2798.8	2728.8	2584.4	2400.8
55°	2427.1	2427.1	2427.1	2453.2	2453.2	2453.2	2435.8	2409.7	2344.0	2239.0	2068.6
57.5°	1985.4	1989.7	2016.0	2020.3	2016.0	2024.8	2020.3	1994.0	1950.5	1876.1	1744.9
60°	1613.7	1613.7	1626.8	1640.0	1635.5	1640.0	1640.0	1626.8	1583.1	1521.9	1417.0
62.5°	1276.9	1290.1	1281.2	1290.1	1307.5	1290.1	1281.2	1272.6	1242.0	1202.6	1115.1
65°	966.4	975.2	975.2	979.6	970.7	975.2	957.8	944.6	927.2	883.4	826.6
67.5°	734.8	734.8	734.8	734.8	730.3	725.9	721.6	708.5	677.9	660.4	599.0
70°	564.1	537.8	537.8	537.8	537.8	542.3	529.2	511.7	502.9	472.3	428.6
72.5°	376.0	384.8	376.0	376.0	367.4	371.7	354.2	345.4	336.8	319.3	293.0
75°	271.1	249.3	257.9	262.4	249.3	257.9	240.5	223.0	223.0	209.9	196.7
77.5°	175.0	170.6	175.0	179.3	175.0	170.6	161.8	153.0	153.0	148.7	135.5
80°	126.9	122.4	122.4	122.4	118.1	122.4	113.8	113.8	104.9	100.6	91.8
82.5°	83.2	83.2	78.7	83.2	78.7	83.2	70.0	70.0	70.0	65.5	56.9
85°	56.9	48.1	48.1	52.6	43.7	52.6	48.1	43.7	39.4	39.4	34.9
87.5°	26.3	30.6	26.3	30.6	26.3	26.3	30.6	26.3	26.3	17.5	17.5
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: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1
2.5°	8912.3	8916.7	8916.7	8934.3	8942.9	8947.3	8947.3	8982.4	8969.2	8978.0	8986.7
5°	8785.6	8811.7	8820.5	8820.5	8868.6	8886.1	8903.5	8942.9	8947.3	8973.5	9004.1
7.5°	8663.0	8693.6	8711.3	8750.5	8781.1	8811.7	8864.3	8890.6	8916.7	8951.8	8991.0
10°	8545.0	8580.1	8615.0	8645.6	8693.6	8733.1	8768.0	8829.2	8860.0	8908.0	8960.4
12.5°	8431.4	8479.4	8510.0	8562.4	8615.0	8649.9	8702.5	8759.3	8807.4	8855.5	8916.7
15°	8330.8	8387.6	8422.6	8479.4	8536.3	8584.4	8641.3	8711.3	8746.2	8803.1	8860.0
17.5°	8221.3	8282.7	8326.4	8378.8	8448.8	8501.2	8549.5	8619.3	8663.0	8724.2	8789.9
20°	8107.7	8168.9	8221.3	8273.9	8343.9	8396.3	8453.2	8523.2	8571.2	8632.4	8685.0
22.5°	7972.2	8029.1	8085.8	8147.0	8217.0	8260.7	8326.4	8387.6	8440.0	8496.9	8549.5
25°	7797.2	7867.3	7911.0	7967.7	8024.6	8072.6	8142.7	8203.9	8247.6	8300.2	8348.2
27.5°	7591.7	7644.2	7679.2	7727.2	7784.1	7827.8	7880.2	7941.6	7985.3	8033.4	8068.3
30°	7241.8	7290.0	7320.6	7355.5	7412.4	7451.8	7495.6	7552.3	7582.9	7618.0	7648.6
32.5°	6782.6	6822.0	6839.5	6865.7	6905.2	6944.4	6979.5	7027.6	7040.7	7062.5	7062.5
35°	6118.0	6126.7	6122.3	6131.2	6148.6	6170.4	6201.0	6231.6	6249.1	6249.1	6236.1
37.5°	5339.5	5287.1	5230.3	5186.5	5173.4	5164.6	5182.2	5195.2	5212.8	5221.4	5199.7
40°	4530.6	4412.5	4285.6	4171.9	4093.2	4058.3	4045.1	4053.8	4053.8	4084.4	4084.4
42.5°	3835.3	3651.5	3463.6	3292.9	3179.2	3091.9	3052.4	3052.4	3056.8	3078.7	3091.9
45°	3258.0	3026.2	2807.5	2619.5	2462.0	2348.3	2295.9	2282.8	2278.4	2287.1	2317.7
47.5°	2816.3	2575.8	2348.3	2116.6	1950.5	1836.7	1788.7	1771.0	1753.6	1771.0	1775.5
50°	2470.9	2221.6	1981.1	1749.2	1574.3	1473.7	1412.5	1386.2	1381.9	1381.9	1390.7
52.5°	2155.9	1924.2	1683.7	1447.6	1263.8	1167.7	1110.8	1097.6	1080.2	1097.6	1097.6
55°	1858.5	1626.8	1390.7	1167.7	1014.5	914.0	861.5	844.0	835.2	848.3	848.3
57.5°	1535.0	1338.1	1119.6	918.4	765.4	695.3	655.9	634.1	629.6	638.5	629.6
60°	1259.5	1093.3	905.2	721.6	603.5	529.2	498.6	489.8	481.0	489.8	489.8
62.5°	997.0	857.2	704.0	564.1	463.5	411.1	376.0	376.0	371.7	371.7	376.0
65°	739.1	629.6	520.4	402.3	323.6	284.2	257.9	257.9	253.6	257.9	253.6
67.5°	537.8	463.5	376.0	293.0	231.8	209.9	192.4	179.3	188.1	179.3	175.0
70°	393.7	332.3	271.1	223.0	179.3	157.5	144.4	139.9	131.2	131.2	131.2
72.5°	262.4	223.0	183.6	144.4	118.1	96.1	91.8	83.2	74.3	78.7	87.5
75°	175.0	148.7	131.2	104.9	78.7	78.7	52.6	52.6	43.7	52.6	39.4
77.5°	122.4	100.6	78.7	65.5	52.6	48.1	34.9	34.9	30.6	30.6	30.6
80°	87.5	74.3	56.9	48.1	34.9	34.9	30.6	26.3	21.8	21.8	26.3
82.5°	52.6	39.4	39.4	34.9	21.8	17.5	13.1	17.5	8.8	8.8	8.8
85°	30.6	26.3	21.8	13.1	8.8	8.8	4.3	0.0	4.3	4.3	0.0
87.5°	17.5	8.8	8.8	4.3	0.0	4.3	4.3	0.0	0.0	0.0	8.8
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: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1
2.5°	9008.6	9004.1	9013.0	9013.0	9039.2	9034.7	9047.9	9047.9	9039.2	9043.6	9061.0
5°	9039.2	9052.4	9078.5	9100.4	9139.7	9157.3	9179.1	9201.1	9205.4	9218.5	9231.7
7.5°	9039.2	9083.0	9113.6	9152.8	9205.4	9236.0	9284.0	9323.5	9340.9	9362.7	9389.0
10°	9021.6	9065.3	9122.2	9166.0	9231.7	9279.7	9327.8	9389.0	9415.3	9450.2	9485.3
12.5°	8986.7	9034.7	9095.9	9152.8	9227.2	9270.9	9332.1	9389.0	9428.4	9476.5	9515.9
15°	8934.3	8991.0	9047.9	9104.8	9183.4	9236.0	9292.9	9358.4	9397.8	9450.2	9485.3
17.5°	8851.1	8912.3	8964.9	9017.3	9091.6	9152.8	9205.4	9266.6	9306.0	9349.7	9397.8
20°	8750.5	8807.4	8864.3	8908.0	8982.4	9034.7	9091.6	9148.5	9179.1	9187.9	9262.3
22.5°	8623.8	8663.0	8706.8	8776.8	8820.5	8868.6	8921.2	8973.5	9004.1	9052.4	9078.5
25°	8413.7	8453.2	8501.2	8531.8	8584.4	8623.8	8676.2	8733.1	8750.5	8785.6	8811.7
27.5°	8120.9	8142.7	8164.6	8190.7	8221.3	8243.3	8273.9	8300.2	8317.6	8335.1	8352.5
30°	7657.2	7657.2	7657.2	7639.7	7652.9	7666.0	7670.3	7666.0	7666.0	7661.7	7661.7
32.5°	7045.0	7010.1	6970.7	6935.8	6922.6	6905.2	6896.3	6883.2	6861.4	6848.3	6852.6
35°	6218.5	6139.8	6091.7	6048.0	6013.1	5986.8	5973.7	5960.5	5956.2	5938.7	5921.1
37.5°	5186.5	5129.6	5094.7	5068.4	5037.8	5011.6	5015.9	5020.4	5033.3	5024.7	5029.0
40°	4093.2	4080.1	4093.2	4062.6	4053.8	4062.6	4084.4	4115.2	4132.6	4150.1	4180.7
42.5°	3113.6	3135.4	3166.2	3166.2	3179.2	3196.8	3222.9	3271.1	3297.2	3327.8	3362.9
45°	2344.0	2370.2	2409.7	2422.6	2431.4	2453.2	2484.0	2523.2	2540.7	2567.0	2597.6
47.5°	1806.1	1823.6	1845.4	1867.3	1889.1	1897.9	1928.5	1928.5	1950.5	1967.9	1976.6
50°	1408.1	1425.6	1443.1	1456.2	1465.0	1478.2	1486.8	1499.9	1504.3	1513.1	1517.4
52.5°	1102.0	1123.9	1123.9	1132.6	1145.7	1158.8	1154.5	1158.8	1163.2	1163.2	1176.3
55°	861.5	861.5	874.6	874.6	883.4	878.9	883.4	883.4	883.4	883.4	887.8
57.5°	642.8	647.3	660.4	651.6	647.3	655.9	647.3	655.9	651.6	660.4	647.3
60°	494.1	494.1	498.6	498.6	502.9	502.9	502.9	498.6	498.6	494.1	494.1
62.5°	371.7	376.0	380.5	376.0	376.0	376.0	371.7	371.7	367.4	362.9	362.9
65°	249.3	245.0	253.6	245.0	249.3	249.3	245.0	249.3	236.2	240.5	236.2
67.5°	179.3	175.0	170.6	175.0	170.6	166.1	166.1	170.6	175.0	161.8	161.8
70°	118.1	122.4	118.1	122.4	126.9	126.9	122.4	118.1	122.4	113.8	118.1
72.5°	74.3	74.3	74.3	74.3	74.3	78.7	78.7	78.7	70.0	70.0	65.5
75°	34.9	48.1	39.4	34.9	48.1	48.1	43.7	43.7	39.4	39.4	39.4
77.5°	34.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3	21.8	26.3	21.8
80°	17.5	17.5	17.5	13.1	17.5	17.5	21.8	17.5	17.5	13.1	21.8
82.5°	8.8	8.8	8.8	0.0	4.3	8.8	8.8	4.3	8.8	8.8	4.3
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: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1
2.5°	9056.7	9052.4	9056.7	9061.0	9056.7	9052.4	9056.7	9061.0	9043.6	9039.2	9047.9
5°	9249.1	9249.1	9257.8	9262.3	9257.8	9249.1	9249.1	9231.7	9218.5	9205.4	9201.1
7.5°	9415.3	9424.1	9432.7	9437.0	9432.7	9424.1	9415.3	9389.0	9362.7	9340.9	9323.5
10°	9515.9	9529.0	9546.5	9555.1	9546.5	9529.0	9515.9	9485.3	9450.2	9415.3	9389.0
12.5°	9559.6	9572.8	9594.5	9590.2	9594.5	9572.8	9559.6	9515.9	9476.5	9428.4	9389.0
15°	9529.0	9546.5	9568.3	9577.1	9568.3	9546.5	9529.0	9485.3	9450.2	9397.8	9358.4
17.5°	9432.7	9459.0	9472.1	9485.3	9472.1	9459.0	9432.7	9397.8	9349.7	9306.0	9266.6
20°	9301.5	9319.1	9336.6	9340.9	9336.6	9319.1	9301.5	9262.3	9187.9	9179.1	9148.5
22.5°	9113.6	9126.7	9166.0	9152.8	9166.0	9126.7	9113.6	9078.5	9052.4	9004.1	8973.5
25°	8842.3	8855.5	8860.0	8864.3	8860.0	8855.5	8842.3	8811.7	8785.6	8750.5	8733.1
27.5°	8374.5	8374.5	8383.1	8387.6	8383.1	8374.5	8374.5	8352.5	8335.1	8317.6	8300.2
30°	7666.0	7666.0	7666.0	7688.0	7666.0	7666.0	7666.0	7661.7	7661.7	7666.0	7666.0
32.5°	6848.3	6839.5	6830.8	6839.5	6830.8	6839.5	6848.3	6852.6	6848.3	6861.4	6883.2
35°	5921.1	5916.8	5929.9	5912.5	5929.9	5916.8	5921.1	5921.1	5938.7	5956.2	5960.5
37.5°	5033.3	5024.7	5042.2	5024.7	5042.2	5024.7	5033.3	5029.0	5024.7	5033.3	5020.4
40°	4189.5	4198.1	4198.1	4233.2	4198.1	4198.1	4189.5	4180.7	4150.1	4132.6	4115.2
42.5°	3380.4	3406.7	3397.9	3424.1	3397.9	3406.7	3380.4	3362.9	3327.8	3297.2	3271.1
45°	2615.0	2632.7	2632.7	2641.3	2632.7	2632.7	2615.0	2597.6	2567.0	2540.7	2523.2
47.5°	2007.2	2007.2	2007.2	2011.7	2007.2	2007.2	2007.2	1976.6	1967.9	1950.5	1928.5
50°	1526.2	1530.5	1535.0	1539.4	1535.0	1530.5	1526.2	1517.4	1513.1	1504.3	1499.9
52.5°	1172.0	1176.3	1167.7	1176.3	1167.7	1176.3	1172.0	1176.3	1163.2	1163.2	1158.8
55°	887.8	883.4	887.8	892.1	887.8	883.4	887.8	887.8	883.4	883.4	883.4
57.5°	651.6	642.8	642.8	642.8	642.8	642.8	651.6	647.3	660.4	651.6	655.9
60°	485.5	489.8	489.8	494.1	489.8	489.8	485.5	494.1	494.1	498.6	498.6
62.5°	358.6	371.7	362.9	371.7	362.9	371.7	358.6	362.9	362.9	367.4	371.7
65°	231.8	231.8	231.8	236.2	231.8	231.8	231.8	236.2	240.5	236.2	249.3
67.5°	157.5	161.8	170.6	166.1	170.6	161.8	157.5	161.8	161.8	175.0	170.6
70°	126.9	113.8	113.8	126.9	113.8	113.8	126.9	118.1	113.8	122.4	118.1
72.5°	74.3	65.5	74.3	74.3	74.3	65.5	74.3	65.5	70.0	70.0	78.7
75°	39.4	34.9	30.6	43.7	30.6	34.9	39.4	39.4	39.4	39.4	43.7
77.5°	26.3	21.8	30.6	30.6	30.6	21.8	26.3	21.8	26.3	21.8	26.3
80°	13.1	17.5	13.1	21.8	13.1	17.5	13.1	21.8	13.1	17.5	17.5
82.5°	4.3	8.8	8.8	8.8	8.8	8.8	4.3	4.3	8.8	8.8	4.3
85°	0.0	8.8	4.3	4.3	4.3	8.8	0.0	0.0	0.0	0.0	0.0
87.5°	4.3	0.0	0.0	4.3	0.0	0.0	4.3	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: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1
2.5°	9047.9	9034.7	9039.2	9013.0	9013.0	9004.1	9008.6	8986.7	8978.0	8969.2	8982.4
5°	9179.1	9157.3	9139.7	9100.4	9078.5	9052.4	9039.2	9004.1	8973.5	8947.3	8942.9
7.5°	9284.0	9236.0	9205.4	9152.8	9113.6	9083.0	9039.2	8991.0	8951.8	8916.7	8890.6
10°	9327.8	9279.7	9231.7	9166.0	9122.2	9065.3	9021.6	8960.4	8908.0	8860.0	8829.2
12.5°	9332.1	9270.9	9227.2	9152.8	9095.9	9034.7	8986.7	8916.7	8855.5	8807.4	8759.3
15°	9292.9	9236.0	9183.4	9104.8	9047.9	8991.0	8934.3	8860.0	8803.1	8746.2	8711.3
17.5°	9205.4	9152.8	9091.6	9017.3	8964.9	8912.3	8851.1	8789.9	8724.2	8663.0	8619.3
20°	9091.6	9034.7	8982.4	8908.0	8864.3	8807.4	8750.5	8685.0	8632.4	8571.2	8523.2
22.5°	8921.2	8868.6	8820.5	8776.8	8706.8	8663.0	8623.8	8549.5	8496.9	8440.0	8387.6
25°	8676.2	8623.8	8584.4	8531.8	8501.2	8453.2	8413.7	8348.2	8300.2	8247.6	8203.9
27.5°	8273.9	8243.3	8221.3	8190.7	8164.6	8142.7	8120.9	8068.3	8033.4	7985.3	7941.6
30°	7670.3	7666.0	7652.9	7639.7	7657.2	7657.2	7657.2	7648.6	7618.0	7582.9	7552.3
32.5°	6896.3	6905.2	6922.6	6935.8	6970.7	7010.1	7045.0	7062.5	7062.5	7040.7	7027.6
35°	5973.7	5986.8	6013.1	6048.0	6091.7	6139.8	6218.5	6236.1	6249.1	6249.1	6231.6
37.5°	5015.9	5011.6	5037.8	5068.4	5094.7	5129.6	5186.5	5199.7	5221.4	5212.8	5195.2
40°	4084.4	4062.6	4053.8	4062.6	4093.2	4080.1	4093.2	4084.4	4084.4	4053.8	4053.8
42.5°	3222.9	3196.8	3179.2	3166.2	3166.2	3135.4	3113.6	3091.9	3078.7	3056.8	3052.4
45°	2484.0	2453.2	2431.4	2422.6	2409.7	2370.2	2344.0	2317.7	2287.1	2278.4	2282.8
47.5°	1928.5	1897.9	1889.1	1867.3	1845.4	1823.6	1806.1	1775.5	1771.0	1753.6	1771.0
50°	1486.8	1478.2	1465.0	1456.2	1443.1	1425.6	1408.1	1390.7	1381.9	1381.9	1386.2
52.5°	1154.5	1158.8	1145.7	1132.6	1123.9	1123.9	1102.0	1097.6	1097.6	1080.2	1097.6
55°	883.4	878.9	883.4	874.6	874.6	861.5	861.5	848.3	848.3	835.2	844.0
57.5°	647.3	655.9	647.3	651.6	660.4	647.3	642.8	629.6	638.5	629.6	634.1
60°	502.9	502.9	502.9	498.6	498.6	494.1	494.1	489.8	489.8	481.0	489.8
62.5°	371.7	376.0	376.0	376.0	380.5	376.0	371.7	376.0	371.7	371.7	376.0
65°	245.0	249.3	249.3	245.0	253.6	245.0	249.3	253.6	257.9	253.6	257.9
67.5°	166.1	166.1	170.6	175.0	170.6	175.0	179.3	175.0	179.3	188.1	179.3
70°	122.4	126.9	126.9	122.4	118.1	122.4	118.1	131.2	131.2	131.2	139.9
72.5°	78.7	78.7	74.3	74.3	74.3	74.3	74.3	87.5	78.7	74.3	83.2
75°	43.7	48.1	48.1	34.9	39.4	48.1	34.9	39.4	52.6	43.7	52.6
77.5°	26.3	26.3	26.3	26.3	26.3	26.3	34.9	30.6	30.6	30.6	34.9
80°	21.8	17.5	17.5	13.1	17.5	17.5	17.5	26.3	21.8	21.8	26.3
82.5°	8.8	8.8	4.3	0.0	8.8	8.8	8.8	8.8	8.8	8.8	17.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	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: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1
2.5°	8947.3	8947.3	8942.9	8934.3	8916.7	8916.7	8912.3	8899.2	8890.6	8886.1	8886.1
5°	8903.5	8886.1	8868.6	8820.5	8820.5	8811.7	8785.6	8768.0	8759.3	8737.4	8728.7
7.5°	8864.3	8811.7	8781.1	8750.5	8711.3	8693.6	8663.0	8649.9	8619.3	8597.5	8584.4
10°	8768.0	8733.1	8693.6	8645.6	8615.0	8580.1	8545.0	8518.9	8479.4	8457.5	8440.0
12.5°	8702.5	8649.9	8615.0	8562.4	8510.0	8479.4	8431.4	8400.8	8361.4	8317.6	8291.3
15°	8641.3	8584.4	8536.3	8479.4	8422.6	8387.6	8330.8	8295.8	8239.0	8195.2	8164.6
17.5°	8549.5	8501.2	8448.8	8378.8	8326.4	8282.7	8221.3	8177.8	8125.2	8068.3	8037.7
20°	8453.2	8396.3	8343.9	8273.9	8221.3	8168.9	8107.7	8059.7	7998.3	7945.9	7911.0
22.5°	8326.4	8260.7	8217.0	8147.0	8085.8	8029.1	7972.2	7915.3	7858.4	7814.7	7775.3
25°	8142.7	8072.6	8024.6	7967.7	7911.0	7867.3	7797.2	7762.3	7705.4	7666.0	7626.6
27.5°	7880.2	7827.8	7784.1	7727.2	7679.2	7644.2	7591.7	7556.8	7508.5	7473.6	7443.0
30°	7495.6	7451.8	7412.4	7355.5	7320.6	7290.0	7241.8	7211.2	7176.2	7136.8	7128.2
32.5°	6979.5	6944.4	6905.2	6865.7	6839.5	6822.0	6782.6	6765.1	6730.2	6708.2	6686.5
35°	6201.0	6170.4	6148.6	6131.2	6122.3	6126.7	6118.0	6135.5	6144.1	6139.8	6144.1
37.5°	5182.2	5164.6	5173.4	5186.5	5230.3	5287.1	5339.5	5418.2	5470.7	5523.3	5571.4
40°	4045.1	4058.3	4093.2	4171.9	4285.6	4412.5	4530.6	4679.3	4828.0	4932.9	5029.0
42.5°	3052.4	3091.9	3179.2	3292.9	3463.6	3651.5	3835.3	4053.8	4233.2	4408.0	4530.6
45°	2295.9	2348.3	2462.0	2619.5	2807.5	3026.2	3258.0	3502.8	3717.2	3896.5	4032.0
47.5°	1788.7	1836.7	1950.5	2116.6	2348.3	2575.8	2816.3	3069.9	3292.9	3467.9	3586.0
50°	1412.5	1473.7	1574.3	1749.2	1981.1	2221.6	2470.9	2720.0	2930.0	3078.7	3183.7
52.5°	1110.8	1167.7	1263.8	1447.6	1683.7	1924.2	2155.9	2400.8	2584.4	2728.8	2798.8
55°	861.5	914.0	1014.5	1167.7	1390.7	1626.8	1858.5	2068.6	2239.0	2344.0	2409.7
57.5°	655.9	695.3	765.4	918.4	1119.6	1338.1	1535.0	1744.9	1876.1	1950.5	1994.0
60°	498.6	529.2	603.5	721.6	905.2	1093.3	1259.5	1417.0	1521.9	1583.1	1626.8
62.5°	376.0	411.1	463.5	564.1	704.0	857.2	997.0	1115.1	1202.6	1242.0	1272.6
65°	257.9	284.2	323.6	402.3	520.4	629.6	739.1	826.6	883.4	927.2	944.6
67.5°	192.4	209.9	231.8	293.0	376.0	463.5	537.8	599.0	660.4	677.9	708.5
70°	144.4	157.5	179.3	223.0	271.1	332.3	393.7	428.6	472.3	502.9	511.7
72.5°	91.8	96.1	118.1	144.4	183.6	223.0	262.4	293.0	319.3	336.8	345.4
75°	52.6	78.7	78.7	104.9	131.2	148.7	175.0	196.7	209.9	223.0	223.0
77.5°	34.9	48.1	52.6	65.5	78.7	100.6	122.4	135.5	148.7	153.0	153.0
80°	30.6	34.9	34.9	48.1	56.9	74.3	87.5	91.8	100.6	104.9	113.8
82.5°	13.1	17.5	21.8	34.9	39.4	39.4	52.6	56.9	65.5	70.0	70.0
85°	4.3	8.8	8.8	13.1	21.8	26.3	30.6	34.9	39.4	39.4	43.7
87.5°	4.3	4.3	0.0	4.3	8.8	8.8	17.5	17.5	17.5	26.3	26.3
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: P248980

CATALOG NUMBER: LSR8B150D010 EC8B150827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1	8956.1
2.5°	8877.4	8881.7	8864.3	8860.0	8851.1	8855.5	8864.3
5°	8715.6	8719.9	8702.5	8685.0	8685.0	8680.5	8685.0
7.5°	8562.4	8566.9	8540.6	8531.8	8514.4	8518.9	8518.9
10°	8409.4	8409.4	8370.2	8365.7	8352.5	8348.2	8348.2
12.5°	8260.7	8247.6	8217.0	8199.5	8208.4	8182.1	8182.1
15°	8129.5	8107.7	8068.3	8055.2	8033.4	8024.6	8024.6
17.5°	7994.0	7976.5	7941.6	7915.3	7889.0	7884.7	7889.0
20°	7862.8	7845.3	7801.6	7784.1	7762.3	7762.3	7753.5
22.5°	7731.5	7714.1	7674.8	7661.7	7631.1	7631.1	7635.4
25°	7596.0	7582.9	7539.1	7530.5	7526.2	7508.5	7517.3
27.5°	7412.4	7403.6	7368.7	7355.5	7338.1	7333.7	7342.4
30°	7075.6	7062.5	7036.4	7023.2	6992.6	6997.0	7005.6
32.5°	6655.9	6638.4	6603.3	6590.2	6564.1	6555.2	6559.6
35°	6131.2	6118.0	6087.4	6087.4	6061.1	6052.3	6061.1
37.5°	5597.6	5610.6	5597.6	5610.6	5597.6	5593.1	5597.6
40°	5094.7	5142.8	5151.4	5199.7	5182.2	5208.3	5204.0
42.5°	4613.6	4692.2	4723.0	4762.3	4753.6	4771.1	4784.2
45°	4128.1	4193.8	4224.4	4250.7	4255.0	4263.8	4268.2
47.5°	3668.9	3721.5	3725.8	3756.4	3752.1	3752.1	3765.2
50°	3240.5	3275.5	3284.1	3306.1	3288.6	3279.8	3284.1
52.5°	2842.6	2877.5	2868.7	2877.5	2855.7	2846.9	2851.2
55°	2435.8	2453.2	2453.2	2453.2	2427.1	2427.1	2427.1
57.5°	2020.3	2024.8	2016.0	2020.3	2016.0	1989.7	1985.4
60°	1640.0	1640.0	1635.5	1640.0	1626.8	1613.7	1613.7
62.5°	1281.2	1290.1	1307.5	1290.1	1281.2	1290.1	1276.9
65°	957.8	975.2	970.7	979.6	975.2	975.2	966.4
67.5°	721.6	725.9	730.3	734.8	734.8	734.8	734.8
70°	529.2	542.3	537.8	537.8	537.8	537.8	564.1
72.5°	354.2	371.7	367.4	376.0	376.0	384.8	376.0
75°	240.5	257.9	249.3	262.4	257.9	249.3	271.1
77.5°	161.8	170.6	175.0	179.3	175.0	170.6	175.0
80°	113.8	122.4	118.1	122.4	122.4	122.4	126.9
82.5°	70.0	83.2	78.7	83.2	78.7	83.2	83.2
85°	48.1	52.6	43.7	52.6	48.1	48.1	56.9
87.5°	30.6	26.3	26.3	30.6	26.3	30.6	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)