

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: P248979

Luminaire Tested: **LSR8B120D010 EC8B120827 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248979
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: LSR8B120D010 EC8B120827 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: 11447.0 lumens
Efficiency: N/A
Efficacy: 96.8 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

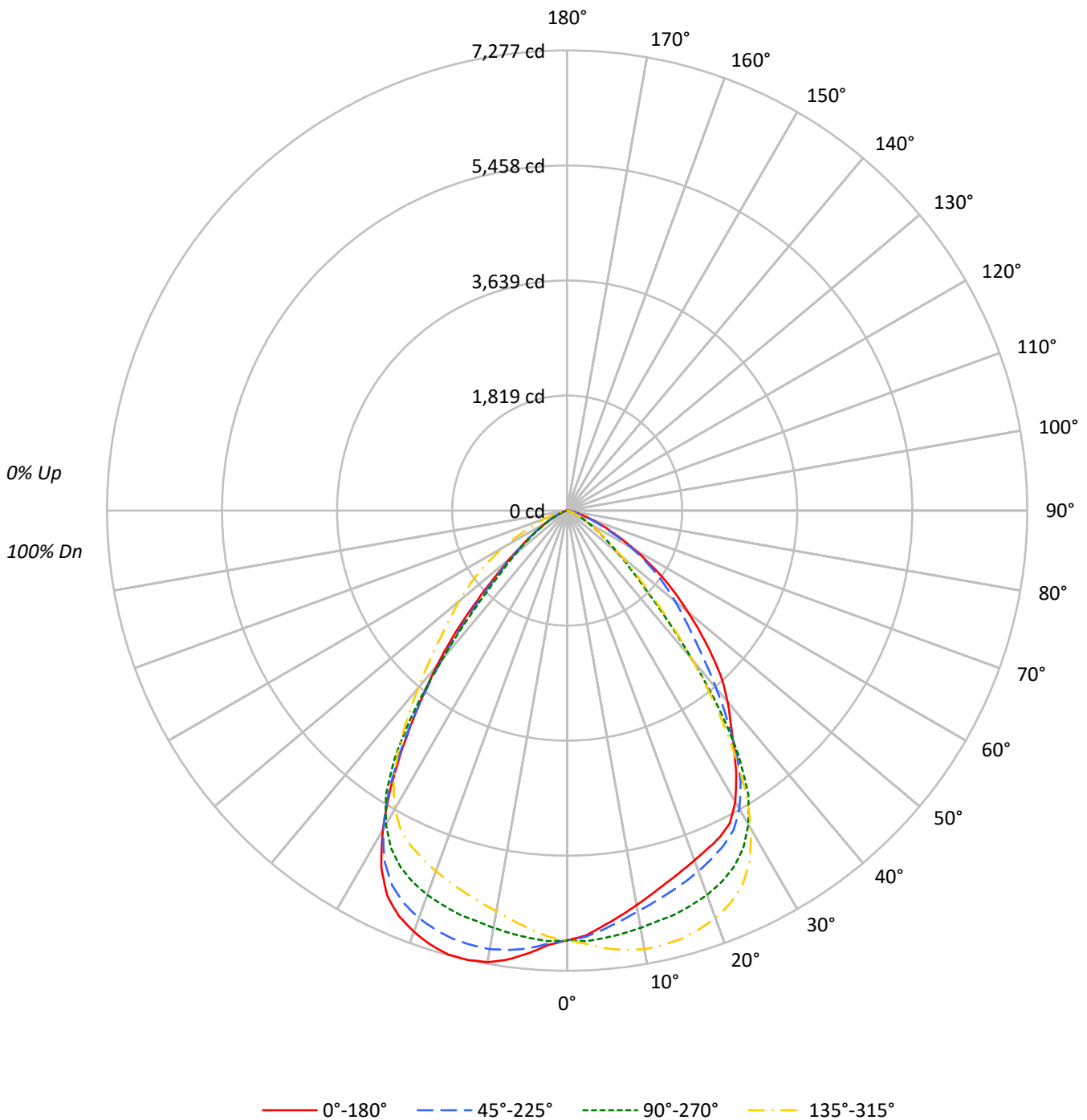
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	209554	209554	209554	209554
5°	203988	210048	217545	210048
10°	198346	209772	227021	209772
15°	194383	211018	231989	211018
20°	193059	212223	232585	212223
25°	194074	211797	228850	211797
30°	189275	204044	207712	204044
35°	173129	177997	168883	177997
40°	158951	123817	129300	123817
45°	141233	75535	87401	75535
50°	119543	50458	56032	50458
55°	99013	34429	36391	34429
60°	75512	22918	23121	22918
65°	53505	14279	13075	14279
70°	38588	9566	8682	9566
75°	24508	4754	3956	4754
80°	17101	3534	2930	3534
85°	15284	0	1168	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.8	5.7
10°-20°	1873.1	16.4
20°-30°	2836.2	24.8
30°-40°	2842.6	24.8
40°-50°	1785.0	15.6
50°-60°	951.2	8.3
60°-70°	391.2	3.4
70°-80°	103.3	0.9
80°-90°	17.5	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°	5356.2	46.8
0°-40°	8198.8	71.6
0°-60°	10935.0	95.5
0°-90°	11447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11447.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6796	6796	6796	6796	6796	
5°	6590	6786	7028	6786	6590	621
15°	6089	6610	7267	6610	6089	1722
25°	5704	6225	6726	6225	5704	2616
35°	4599	4728	4486	4728	4599	2881
45°	3239	1732	2004	1732	3239	2491
55°	1842	640	677	640	1842	1642
65°	733	196	179	196	733	761
75°	206	40	33	40	206	233
85°	43	0	3	0	43	47
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°	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7
2.5°	6726.1	6719.4	6716.1	6722.8	6726.1	6739.3	6736.0	6742.6	6742.6	6746.0	6752.6
5°	6590.0	6586.6	6590.0	6590.0	6603.3	6616.5	6613.2	6623.2	6629.8	6646.4	6653.0
7.5°	6464.0	6464.0	6460.6	6473.8	6480.5	6500.4	6497.0	6513.7	6523.7	6540.2	6563.4
10°	6334.5	6334.5	6337.8	6347.7	6351.2	6380.9	6380.9	6404.1	6417.4	6434.1	6464.0
12.5°	6208.4	6208.4	6228.4	6221.7	6234.9	6258.1	6268.1	6291.3	6311.3	6344.5	6374.4
15°	6088.9	6088.9	6095.6	6112.1	6122.1	6152.0	6168.5	6195.2	6218.4	6251.6	6294.7
17.5°	5986.1	5982.8	5986.1	6006.0	6026.0	6052.4	6065.7	6098.9	6122.1	6165.3	6205.1
20°	5883.2	5889.9	5889.9	5906.4	5919.7	5952.9	5966.1	6002.7	6029.2	6069.0	6115.5
22.5°	5793.6	5790.3	5790.3	5813.6	5823.5	5853.3	5866.6	5899.8	5929.7	5962.9	6006.0
25°	5704.0	5697.3	5710.7	5714.0	5720.6	5753.7	5763.7	5786.9	5816.8	5846.8	5889.9
27.5°	5571.3	5564.7	5568.0	5581.2	5591.2	5617.7	5624.4	5647.6	5670.8	5697.3	5733.9
30°	5315.7	5309.2	5305.9	5329.1	5339.1	5358.9	5368.9	5408.7	5415.3	5445.2	5471.7
32.5°	4977.3	4974.0	4980.7	5000.5	5010.5	5037.1	5050.4	5073.6	5090.1	5106.8	5133.3
35°	4599.1	4592.4	4599.1	4619.0	4619.0	4642.2	4652.2	4662.1	4658.8	4662.1	4655.5
37.5°	4247.4	4244.0	4247.4	4257.2	4247.4	4257.2	4247.4	4227.5	4191.0	4151.1	4111.2
40°	3948.7	3952.0	3932.2	3945.4	3908.8	3902.3	3865.8	3815.9	3743.0	3663.4	3550.6
42.5°	3630.2	3620.2	3607.0	3613.5	3583.7	3560.4	3500.7	3437.7	3344.7	3212.1	3075.9
45°	3238.6	3235.3	3228.6	3225.4	3205.4	3182.2	3132.3	3059.4	2956.6	2820.5	2657.9
47.5°	2857.0	2847.0	2847.0	2850.3	2827.1	2823.8	2783.9	2721.0	2631.4	2498.6	2329.4
50°	2491.9	2488.6	2495.3	2508.6	2491.9	2485.4	2458.9	2415.7	2336.1	2223.3	2063.9
52.5°	2163.4	2160.2	2166.9	2183.4	2176.7	2183.4	2156.9	2123.7	2070.6	1961.0	1821.7
55°	1841.7	1841.7	1841.7	1861.5	1861.5	1861.5	1848.2	1828.4	1778.6	1698.9	1569.6
57.5°	1506.5	1509.8	1529.7	1533.0	1529.7	1536.4	1533.0	1513.0	1480.0	1423.6	1324.0
60°	1224.4	1224.4	1234.4	1244.4	1241.0	1244.4	1244.4	1234.4	1201.2	1154.8	1075.2
62.5°	968.9	978.9	972.2	978.9	992.1	978.9	972.2	965.6	942.4	912.5	846.1
65°	733.3	740.0	740.0	743.3	736.6	740.0	726.7	716.8	703.5	670.3	627.2
67.5°	557.5	557.5	557.5	557.5	554.1	550.8	547.6	537.6	514.4	501.1	454.5
70°	428.0	408.1	408.1	408.1	408.1	411.5	401.5	388.3	381.6	358.4	325.2
72.5°	285.3	292.0	285.3	285.3	278.8	282.0	268.8	262.1	255.5	242.3	222.4
75°	205.7	189.2	195.7	199.1	189.2	195.7	182.5	169.2	169.2	159.3	149.3
77.5°	132.8	129.5	132.8	136.0	132.8	129.5	122.8	116.1	116.1	112.8	102.8
80°	96.3	92.9	92.9	92.9	89.6	92.9	86.3	86.3	79.6	76.3	69.7
82.5°	63.1	63.1	59.7	63.1	59.7	63.1	53.1	53.1	53.1	49.7	43.2
85°	43.2	36.5	36.5	39.9	33.2	39.9	36.5	33.2	29.9	29.9	26.5
87.5°	19.9	23.2	19.9	23.2	19.9	19.9	23.2	19.9	19.9	13.2	13.2
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°	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7
2.5°	6762.5	6765.8	6765.8	6779.2	6785.8	6789.0	6789.0	6815.7	6805.7	6812.4	6818.9
5°	6666.4	6686.2	6692.9	6692.9	6729.3	6742.6	6755.8	6785.8	6789.0	6809.0	6832.2
7.5°	6573.4	6596.6	6610.0	6639.7	6663.0	6686.2	6726.1	6746.0	6765.8	6792.4	6822.2
10°	6483.8	6510.4	6536.9	6560.1	6596.6	6626.5	6653.0	6699.4	6722.8	6759.3	6799.0
12.5°	6397.6	6434.1	6457.3	6497.0	6536.9	6563.4	6603.3	6646.4	6682.9	6719.4	6765.8
15°	6321.2	6364.4	6390.9	6434.1	6477.2	6513.7	6556.8	6610.0	6636.5	6679.6	6722.8
17.5°	6238.2	6284.8	6318.0	6357.7	6410.8	6450.6	6487.2	6540.2	6573.4	6619.8	6669.7
20°	6152.0	6198.5	6238.2	6278.1	6331.2	6371.0	6414.1	6467.2	6503.7	6550.1	6590.0
22.5°	6049.2	6092.3	6135.4	6181.8	6234.9	6268.1	6318.0	6364.4	6404.1	6447.3	6487.2
25°	5916.4	5969.5	6002.7	6045.8	6088.9	6125.4	6178.5	6224.9	6258.1	6298.0	6334.5
27.5°	5760.4	5800.3	5826.8	5863.3	5906.4	5939.6	5979.4	6026.0	6059.1	6095.6	6122.1
30°	5494.9	5531.5	5554.7	5581.2	5624.4	5654.3	5687.5	5730.5	5753.7	5780.4	5803.6
32.5°	5146.5	5176.4	5189.7	5209.6	5239.5	5269.3	5295.9	5332.4	5342.4	5358.9	5358.9
35°	4642.2	4648.8	4645.5	4652.2	4665.5	4682.0	4705.2	4728.4	4741.7	4741.7	4731.8
37.5°	4051.5	4011.8	3968.6	3935.4	3925.5	3918.8	3932.2	3942.0	3955.4	3961.9	3945.4
40°	3437.7	3348.1	3251.9	3165.5	3105.9	3079.4	3069.4	3075.9	3075.9	3099.2	3099.2
42.5°	2910.1	2770.7	2628.1	2498.6	2412.3	2346.1	2316.1	2316.1	2319.4	2336.1	2346.1
45°	2472.1	2296.2	2130.3	1987.7	1868.2	1781.8	1742.1	1732.1	1728.8	1735.4	1758.6
47.5°	2136.9	1954.5	1781.8	1606.1	1480.0	1393.7	1357.2	1343.8	1330.6	1343.8	1347.2
50°	1874.8	1685.7	1503.2	1327.3	1194.5	1118.2	1071.8	1051.8	1048.5	1048.5	1055.2
52.5°	1635.8	1460.1	1277.6	1098.4	958.9	886.0	842.8	832.9	819.6	832.9	832.9
55°	1410.2	1234.4	1055.2	886.0	769.8	693.6	653.7	640.4	633.7	643.7	643.7
57.5°	1164.8	1015.3	849.5	696.8	580.7	527.6	497.7	481.2	477.8	484.5	477.8
60°	955.7	829.6	686.9	547.6	458.0	401.5	378.3	371.6	364.9	371.6	371.6
62.5°	756.5	650.4	534.2	428.0	351.7	312.0	285.3	285.3	282.0	282.0	285.3
65°	560.8	477.8	394.9	305.3	245.6	215.7	195.7	195.7	192.4	195.7	192.4
67.5°	408.1	351.7	285.3	222.4	175.9	159.3	146.0	136.0	142.7	136.0	132.8
70°	298.7	252.1	205.7	169.2	136.0	119.5	109.5	106.1	99.6	99.6	99.6
72.5°	199.1	169.2	139.3	109.5	89.6	72.9	69.7	63.1	56.4	59.7	66.4
75°	132.8	112.8	99.6	79.6	59.7	59.7	39.9	39.9	33.2	39.9	29.9
77.5°	92.9	76.3	59.7	49.7	39.9	36.5	26.5	26.5	23.2	23.2	23.2
80°	66.4	56.4	43.2	36.5	26.5	26.5	23.2	19.9	16.5	16.5	19.9
82.5°	39.9	29.9	29.9	26.5	16.5	13.2	10.0	13.2	6.7	6.7	6.7
85°	23.2	19.9	16.5	10.0	6.7	6.7	3.3	0.0	3.3	3.3	0.0
87.5°	13.2	6.7	6.7	3.3	0.0	3.3	3.3	0.0	0.0	0.0	6.7
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°	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7
2.5°	6835.6	6832.2	6838.9	6838.9	6858.8	6855.4	6865.4	6865.4	6858.8	6862.1	6875.3
5°	6858.8	6868.8	6888.6	6905.3	6935.0	6948.4	6964.9	6981.6	6984.9	6994.9	7004.8
7.5°	6858.8	6892.0	6915.2	6945.0	6984.9	7008.1	7044.6	7074.5	7087.7	7104.3	7124.2
10°	6845.4	6878.6	6921.8	6955.0	7004.8	7041.3	7077.8	7124.2	7144.1	7170.6	7197.3
12.5°	6818.9	6855.4	6901.8	6945.0	7001.4	7034.6	7081.0	7124.2	7154.1	7190.6	7220.5
15°	6779.2	6822.2	6865.4	6908.5	6968.2	7008.1	7051.3	7101.0	7130.9	7170.6	7197.3
17.5°	6716.1	6762.5	6802.4	6842.2	6898.6	6945.0	6984.9	7031.3	7061.2	7094.4	7130.9
20°	6639.7	6682.9	6726.1	6759.3	6815.7	6855.4	6898.6	6941.7	6964.9	6971.6	7028.0
22.5°	6543.6	6573.4	6606.6	6659.7	6692.9	6729.3	6769.2	6809.0	6832.2	6868.8	6888.6
25°	6384.2	6414.1	6450.6	6473.8	6513.7	6543.6	6583.3	6626.5	6639.7	6666.4	6686.2
27.5°	6162.0	6178.5	6195.2	6215.0	6238.2	6254.9	6278.1	6298.0	6311.3	6324.5	6337.8
30°	5810.2	5810.2	5810.2	5796.9	5806.9	5816.8	5820.1	5816.8	5816.8	5813.6	5813.6
32.5°	5345.6	5319.1	5289.2	5262.7	5252.8	5239.5	5232.8	5222.9	5206.3	5196.4	5199.6
35°	4718.5	4658.8	4622.3	4589.1	4562.6	4542.7	4532.7	4522.7	4519.5	4506.2	4492.8
37.5°	3935.4	3892.3	3865.8	3845.8	3822.6	3802.7	3806.0	3809.4	3819.2	3812.7	3815.9
40°	3105.9	3095.9	3105.9	3082.6	3075.9	3082.6	3099.2	3122.5	3135.8	3149.0	3172.2
42.5°	2362.6	2379.1	2402.5	2402.5	2412.3	2425.7	2445.5	2482.1	2501.9	2525.1	2551.7
45°	1778.6	1798.5	1828.4	1838.2	1844.9	1861.5	1884.8	1914.6	1927.8	1947.8	1971.0
47.5°	1370.5	1383.7	1400.2	1416.9	1433.4	1440.1	1463.3	1463.3	1480.0	1493.2	1499.8
50°	1068.5	1081.7	1095.0	1104.9	1111.6	1121.6	1128.2	1138.1	1141.4	1148.1	1151.4
52.5°	836.1	852.8	852.8	859.4	869.3	879.3	876.0	879.3	882.6	882.6	892.6
55°	653.7	653.7	663.6	663.6	670.3	666.9	670.3	670.3	670.3	670.3	673.6
57.5°	487.7	491.1	501.1	494.4	491.1	497.7	491.1	497.7	494.4	501.1	491.1
60°	374.9	374.9	378.3	378.3	381.6	381.6	381.6	378.3	378.3	374.9	374.9
62.5°	282.0	285.3	288.7	285.3	285.3	285.3	282.0	282.0	278.8	275.3	275.3
65°	189.2	185.9	192.4	185.9	189.2	189.2	185.9	189.2	179.2	182.5	179.2
67.5°	136.0	132.8	129.5	132.8	129.5	126.1	126.1	129.5	132.8	122.8	122.8
70°	89.6	92.9	89.6	92.9	96.3	96.3	92.9	89.6	92.9	86.3	89.6
72.5°	56.4	56.4	56.4	56.4	56.4	59.7	59.7	59.7	53.1	53.1	49.7
75°	26.5	36.5	29.9	26.5	36.5	36.5	33.2	33.2	29.9	29.9	29.9
77.5°	26.5	19.9	19.9	19.9	19.9	19.9	19.9	19.9	16.5	19.9	16.5
80°	13.2	13.2	13.2	10.0	13.2	13.2	16.5	13.2	13.2	10.0	16.5
82.5°	6.7	6.7	6.7	0.0	3.3	6.7	6.7	3.3	6.7	6.7	3.3
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: P248979

CATALOG NUMBER: LSR8B120D010 EC8B120827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7
2.5°	6872.1	6868.8	6872.1	6875.3	6872.1	6868.8	6872.1	6875.3	6862.1	6858.8	6865.4
5°	7018.1	7018.1	7024.6	7028.0	7024.6	7018.1	7018.1	7004.8	6994.9	6984.9	6981.6
7.5°	7144.1	7150.8	7157.4	7160.7	7157.4	7150.8	7144.1	7124.2	7104.3	7087.7	7074.5
10°	7220.5	7230.5	7243.7	7250.3	7243.7	7230.5	7220.5	7197.3	7170.6	7144.1	7124.2
12.5°	7253.7	7263.6	7280.2	7276.9	7280.2	7263.6	7253.7	7220.5	7190.6	7154.1	7124.2
15°	7230.5	7243.7	7260.2	7266.9	7260.2	7243.7	7230.5	7197.3	7170.6	7130.9	7101.0
17.5°	7157.4	7177.3	7187.3	7197.3	7187.3	7177.3	7157.4	7130.9	7094.4	7061.2	7031.3
20°	7057.8	7071.2	7084.5	7087.7	7084.5	7071.2	7057.8	7028.0	6971.6	6964.9	6941.7
22.5°	6915.2	6925.2	6955.0	6945.0	6955.0	6925.2	6915.2	6888.6	6868.8	6832.2	6809.0
25°	6709.4	6719.4	6722.8	6726.1	6722.8	6719.4	6709.4	6686.2	6666.4	6639.7	6626.5
27.5°	6354.4	6354.4	6361.0	6364.4	6361.0	6354.4	6354.4	6337.8	6324.5	6311.3	6298.0
30°	5816.8	5816.8	5816.8	5833.5	5816.8	5816.8	5816.8	5813.6	5813.6	5816.8	5816.8
32.5°	5196.4	5189.7	5183.1	5189.7	5183.1	5189.7	5196.4	5199.6	5196.4	5206.3	5222.9
35°	4492.8	4489.6	4499.5	4486.3	4499.5	4489.6	4492.8	4492.8	4506.2	4519.5	4522.7
37.5°	3819.2	3812.7	3825.9	3812.7	3825.9	3812.7	3819.2	3815.9	3812.7	3819.2	3809.4
40°	3178.9	3185.5	3185.5	3212.1	3185.5	3185.5	3178.9	3172.2	3149.0	3135.8	3122.5
42.5°	2565.0	2584.9	2578.2	2598.2	2578.2	2584.9	2565.0	2551.7	2525.1	2501.9	2482.1
45°	1984.2	1997.6	1997.6	2004.2	1997.6	1997.6	1984.2	1971.0	1947.8	1927.8	1914.6
47.5°	1523.0	1523.0	1523.0	1526.4	1523.0	1523.0	1523.0	1499.8	1493.2	1480.0	1463.3
50°	1158.1	1161.3	1164.8	1168.0	1164.8	1161.3	1158.1	1151.4	1148.1	1141.4	1138.1
52.5°	889.3	892.6	886.0	892.6	886.0	892.6	889.3	892.6	882.6	882.6	879.3
55°	673.6	670.3	673.6	676.9	673.6	670.3	673.6	673.6	670.3	670.3	670.3
57.5°	494.4	487.7	487.7	487.7	487.7	487.7	494.4	491.1	501.1	494.4	497.7
60°	368.4	371.6	371.6	374.9	371.6	371.6	368.4	374.9	374.9	378.3	378.3
62.5°	272.1	282.0	275.3	282.0	275.3	282.0	272.1	275.3	275.3	278.8	282.0
65°	175.9	175.9	175.9	179.2	175.9	175.9	175.9	179.2	182.5	179.2	189.2
67.5°	119.5	122.8	129.5	126.1	129.5	122.8	119.5	122.8	122.8	132.8	129.5
70°	96.3	86.3	86.3	96.3	86.3	86.3	96.3	89.6	86.3	92.9	89.6
72.5°	56.4	49.7	56.4	56.4	56.4	49.7	56.4	49.7	53.1	53.1	59.7
75°	29.9	26.5	23.2	33.2	23.2	26.5	29.9	29.9	29.9	29.9	33.2
77.5°	19.9	16.5	23.2	23.2	23.2	16.5	19.9	16.5	19.9	16.5	19.9
80°	10.0	13.2	10.0	16.5	10.0	13.2	10.0	16.5	10.0	13.2	13.2
82.5°	3.3	6.7	6.7	6.7	6.7	6.7	3.3	3.3	6.7	6.7	3.3
85°	0.0	6.7	3.3	3.3	3.3	6.7	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	0.0	0.0	3.3	0.0	0.0	3.3	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: P248979

CATALOG NUMBER: LSR8B120D010 EC8B120827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7
2.5°	6865.4	6855.4	6858.8	6838.9	6838.9	6832.2	6835.6	6818.9	6812.4	6805.7	6815.7
5°	6964.9	6948.4	6935.0	6905.3	6888.6	6868.8	6858.8	6832.2	6809.0	6789.0	6785.8
7.5°	7044.6	7008.1	6984.9	6945.0	6915.2	6892.0	6858.8	6822.2	6792.4	6765.8	6746.0
10°	7077.8	7041.3	7004.8	6955.0	6921.8	6878.6	6845.4	6799.0	6759.3	6722.8	6699.4
12.5°	7081.0	7034.6	7001.4	6945.0	6901.8	6855.4	6818.9	6765.8	6719.4	6682.9	6646.4
15°	7051.3	7008.1	6968.2	6908.5	6865.4	6822.2	6779.2	6722.8	6679.6	6636.5	6610.0
17.5°	6984.9	6945.0	6898.6	6842.2	6802.4	6762.5	6716.1	6669.7	6619.8	6573.4	6540.2
20°	6898.6	6855.4	6815.7	6759.3	6726.1	6682.9	6639.7	6590.0	6550.1	6503.7	6467.2
22.5°	6769.2	6729.3	6692.9	6659.7	6606.6	6573.4	6543.6	6487.2	6447.3	6404.1	6364.4
25°	6583.3	6543.6	6513.7	6473.8	6450.6	6414.1	6384.2	6334.5	6298.0	6258.1	6224.9
27.5°	6278.1	6254.9	6238.2	6215.0	6195.2	6178.5	6162.0	6122.1	6095.6	6059.1	6026.0
30°	5820.1	5816.8	5806.9	5796.9	5810.2	5810.2	5810.2	5803.6	5780.4	5753.7	5730.5
32.5°	5232.8	5239.5	5252.8	5262.7	5289.2	5319.1	5345.6	5358.9	5358.9	5342.4	5332.4
35°	4532.7	4542.7	4562.6	4589.1	4622.3	4658.8	4718.5	4731.8	4741.7	4741.7	4728.4
37.5°	3806.0	3802.7	3822.6	3845.8	3865.8	3892.3	3935.4	3945.4	3961.9	3955.4	3942.0
40°	3099.2	3082.6	3075.9	3082.6	3105.9	3095.9	3105.9	3099.2	3099.2	3075.9	3075.9
42.5°	2445.5	2425.7	2412.3	2402.5	2402.5	2379.1	2362.6	2346.1	2336.1	2319.4	2316.1
45°	1884.8	1861.5	1844.9	1838.2	1828.4	1798.5	1778.6	1758.6	1735.4	1728.8	1732.1
47.5°	1463.3	1440.1	1433.4	1416.9	1400.2	1383.7	1370.5	1347.2	1343.8	1330.6	1343.8
50°	1128.2	1121.6	1111.6	1104.9	1095.0	1081.7	1068.5	1055.2	1048.5	1048.5	1051.8
52.5°	876.0	879.3	869.3	859.4	852.8	852.8	836.1	832.9	832.9	819.6	832.9
55°	670.3	666.9	670.3	663.6	663.6	653.7	653.7	643.7	643.7	633.7	640.4
57.5°	491.1	497.7	491.1	494.4	501.1	491.1	487.7	477.8	484.5	477.8	481.2
60°	381.6	381.6	381.6	378.3	378.3	374.9	374.9	371.6	371.6	364.9	371.6
62.5°	282.0	285.3	285.3	285.3	288.7	285.3	282.0	285.3	282.0	282.0	285.3
65°	185.9	189.2	189.2	185.9	192.4	185.9	189.2	192.4	195.7	192.4	195.7
67.5°	126.1	126.1	129.5	132.8	129.5	132.8	136.0	132.8	136.0	142.7	136.0
70°	92.9	96.3	96.3	92.9	89.6	92.9	89.6	99.6	99.6	99.6	106.1
72.5°	59.7	59.7	56.4	56.4	56.4	56.4	56.4	66.4	59.7	56.4	63.1
75°	33.2	36.5	36.5	26.5	29.9	36.5	26.5	29.9	39.9	33.2	39.9
77.5°	19.9	19.9	19.9	19.9	19.9	19.9	26.5	23.2	23.2	23.2	26.5
80°	16.5	13.2	13.2	10.0	13.2	13.2	13.2	19.9	16.5	16.5	19.9
82.5°	6.7	6.7	3.3	0.0	6.7	6.7	6.7	6.7	6.7	6.7	13.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	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: P248979

CATALOG NUMBER: LSR8B120D010 EC8B120827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7
2.5°	6789.0	6789.0	6785.8	6779.2	6765.8	6765.8	6762.5	6752.6	6746.0	6742.6	6742.6
5°	6755.8	6742.6	6729.3	6692.9	6692.9	6686.2	6666.4	6653.0	6646.4	6629.8	6623.2
7.5°	6726.1	6686.2	6663.0	6639.7	6610.0	6596.6	6573.4	6563.4	6540.2	6523.7	6513.7
10°	6653.0	6626.5	6596.6	6560.1	6536.9	6510.4	6483.8	6464.0	6434.1	6417.4	6404.1
12.5°	6603.3	6563.4	6536.9	6497.0	6457.3	6434.1	6397.6	6374.4	6344.5	6311.3	6291.3
15°	6556.8	6513.7	6477.2	6434.1	6390.9	6364.4	6321.2	6294.7	6251.6	6218.4	6195.2
17.5°	6487.2	6450.6	6410.8	6357.7	6318.0	6284.8	6238.2	6205.1	6165.3	6122.1	6098.9
20°	6414.1	6371.0	6331.2	6278.1	6238.2	6198.5	6152.0	6115.5	6069.0	6029.2	6002.7
22.5°	6318.0	6268.1	6234.9	6181.8	6135.4	6092.3	6049.2	6006.0	5962.9	5929.7	5899.8
25°	6178.5	6125.4	6088.9	6045.8	6002.7	5969.5	5916.4	5889.9	5846.8	5816.8	5786.9
27.5°	5979.4	5939.6	5906.4	5863.3	5826.8	5800.3	5760.4	5733.9	5697.3	5670.8	5647.6
30°	5687.5	5654.3	5624.4	5581.2	5554.7	5531.5	5494.9	5471.7	5445.2	5415.3	5408.7
32.5°	5295.9	5269.3	5239.5	5209.6	5189.7	5176.4	5146.5	5133.3	5106.8	5090.1	5073.6
35°	4705.2	4682.0	4665.5	4652.2	4645.5	4648.8	4642.2	4655.5	4662.1	4658.8	4662.1
37.5°	3932.2	3918.8	3925.5	3935.4	3968.6	4011.8	4051.5	4111.2	4151.1	4191.0	4227.5
40°	3069.4	3079.4	3105.9	3165.5	3251.9	3348.1	3437.7	3550.6	3663.4	3743.0	3815.9
42.5°	2316.1	2346.1	2412.3	2498.6	2628.1	2770.7	2910.1	3075.9	3212.1	3344.7	3437.7
45°	1742.1	1781.8	1868.2	1987.7	2130.3	2296.2	2472.1	2657.9	2820.5	2956.6	3059.4
47.5°	1357.2	1393.7	1480.0	1606.1	1781.8	1954.5	2136.9	2329.4	2498.6	2631.4	2721.0
50°	1071.8	1118.2	1194.5	1327.3	1503.2	1685.7	1874.8	2063.9	2223.3	2336.1	2415.7
52.5°	842.8	886.0	958.9	1098.4	1277.6	1460.1	1635.8	1821.7	1961.0	2070.6	2123.7
55°	653.7	693.6	769.8	886.0	1055.2	1234.4	1410.2	1569.6	1698.9	1778.6	1828.4
57.5°	497.7	527.6	580.7	696.8	849.5	1015.3	1164.8	1324.0	1423.6	1480.0	1513.0
60°	378.3	401.5	458.0	547.6	686.9	829.6	955.7	1075.2	1154.8	1201.2	1234.4
62.5°	285.3	312.0	351.7	428.0	534.2	650.4	756.5	846.1	912.5	942.4	965.6
65°	195.7	215.7	245.6	305.3	394.9	477.8	560.8	627.2	670.3	703.5	716.8
67.5°	146.0	159.3	175.9	222.4	285.3	351.7	408.1	454.5	501.1	514.4	537.6
70°	109.5	119.5	136.0	169.2	205.7	252.1	298.7	325.2	358.4	381.6	388.3
72.5°	69.7	72.9	89.6	109.5	139.3	169.2	199.1	222.4	242.3	255.5	262.1
75°	39.9	59.7	59.7	79.6	99.6	112.8	132.8	149.3	159.3	169.2	169.2
77.5°	26.5	36.5	39.9	49.7	59.7	76.3	92.9	102.8	112.8	116.1	116.1
80°	23.2	26.5	26.5	36.5	43.2	56.4	66.4	69.7	76.3	79.6	86.3
82.5°	10.0	13.2	16.5	26.5	29.9	29.9	39.9	43.2	49.7	53.1	53.1
85°	3.3	6.7	6.7	10.0	16.5	19.9	23.2	26.5	29.9	29.9	33.2
87.5°	3.3	3.3	0.0	3.3	6.7	6.7	13.2	13.2	13.2	19.9	19.9
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: P248979

CATALOG NUMBER: LSR8B120D010 EC8B120827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7	6795.7
2.5°	6736.0	6739.3	6726.1	6722.8	6716.1	6719.4	6726.1
5°	6613.2	6616.5	6603.3	6590.0	6590.0	6586.6	6590.0
7.5°	6497.0	6500.4	6480.5	6473.8	6460.6	6464.0	6464.0
10°	6380.9	6380.9	6351.2	6347.7	6337.8	6334.5	6334.5
12.5°	6268.1	6258.1	6234.9	6221.7	6228.4	6208.4	6208.4
15°	6168.5	6152.0	6122.1	6112.1	6095.6	6088.9	6088.9
17.5°	6065.7	6052.4	6026.0	6006.0	5986.1	5982.8	5986.1
20°	5966.1	5952.9	5919.7	5906.4	5889.9	5889.9	5883.2
22.5°	5866.6	5853.3	5823.5	5813.6	5790.3	5790.3	5793.6
25°	5763.7	5753.7	5720.6	5714.0	5710.7	5697.3	5704.0
27.5°	5624.4	5617.7	5591.2	5581.2	5568.0	5564.7	5571.3
30°	5368.9	5358.9	5339.1	5329.1	5305.9	5309.2	5315.7
32.5°	5050.4	5037.1	5010.5	5000.5	4980.7	4974.0	4977.3
35°	4652.2	4642.2	4619.0	4619.0	4599.1	4592.4	4599.1
37.5°	4247.4	4257.2	4247.4	4257.2	4247.4	4244.0	4247.4
40°	3865.8	3902.3	3908.8	3945.4	3932.2	3952.0	3948.7
42.5°	3500.7	3560.4	3583.7	3613.5	3607.0	3620.2	3630.2
45°	3132.3	3182.2	3205.4	3225.4	3228.6	3235.3	3238.6
47.5°	2783.9	2823.8	2827.1	2850.3	2847.0	2847.0	2857.0
50°	2458.9	2485.4	2491.9	2508.6	2495.3	2488.6	2491.9
52.5°	2156.9	2183.4	2176.7	2183.4	2166.9	2160.2	2163.4
55°	1848.2	1861.5	1861.5	1861.5	1841.7	1841.7	1841.7
57.5°	1533.0	1536.4	1529.7	1533.0	1529.7	1509.8	1506.5
60°	1244.4	1244.4	1241.0	1244.4	1234.4	1224.4	1224.4
62.5°	972.2	978.9	992.1	978.9	972.2	978.9	968.9
65°	726.7	740.0	736.6	743.3	740.0	740.0	733.3
67.5°	547.6	550.8	554.1	557.5	557.5	557.5	557.5
70°	401.5	411.5	408.1	408.1	408.1	408.1	428.0
72.5°	268.8	282.0	278.8	285.3	285.3	292.0	285.3
75°	182.5	195.7	189.2	199.1	195.7	189.2	205.7
77.5°	122.8	129.5	132.8	136.0	132.8	129.5	132.8
80°	86.3	92.9	89.6	92.9	92.9	92.9	96.3
82.5°	53.1	63.1	59.7	63.1	59.7	63.1	63.1
85°	36.5	39.9	33.2	39.9	36.5	36.5	43.2
87.5°	23.2	19.9	19.9	23.2	19.9	23.2	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)