

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: P248619

Luminaire Tested: **LSR8B120D010 EC8B120940 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248619
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 EC8B120940 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10983.0 lumens
Efficiency: N/A
Efficacy: 92.8 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

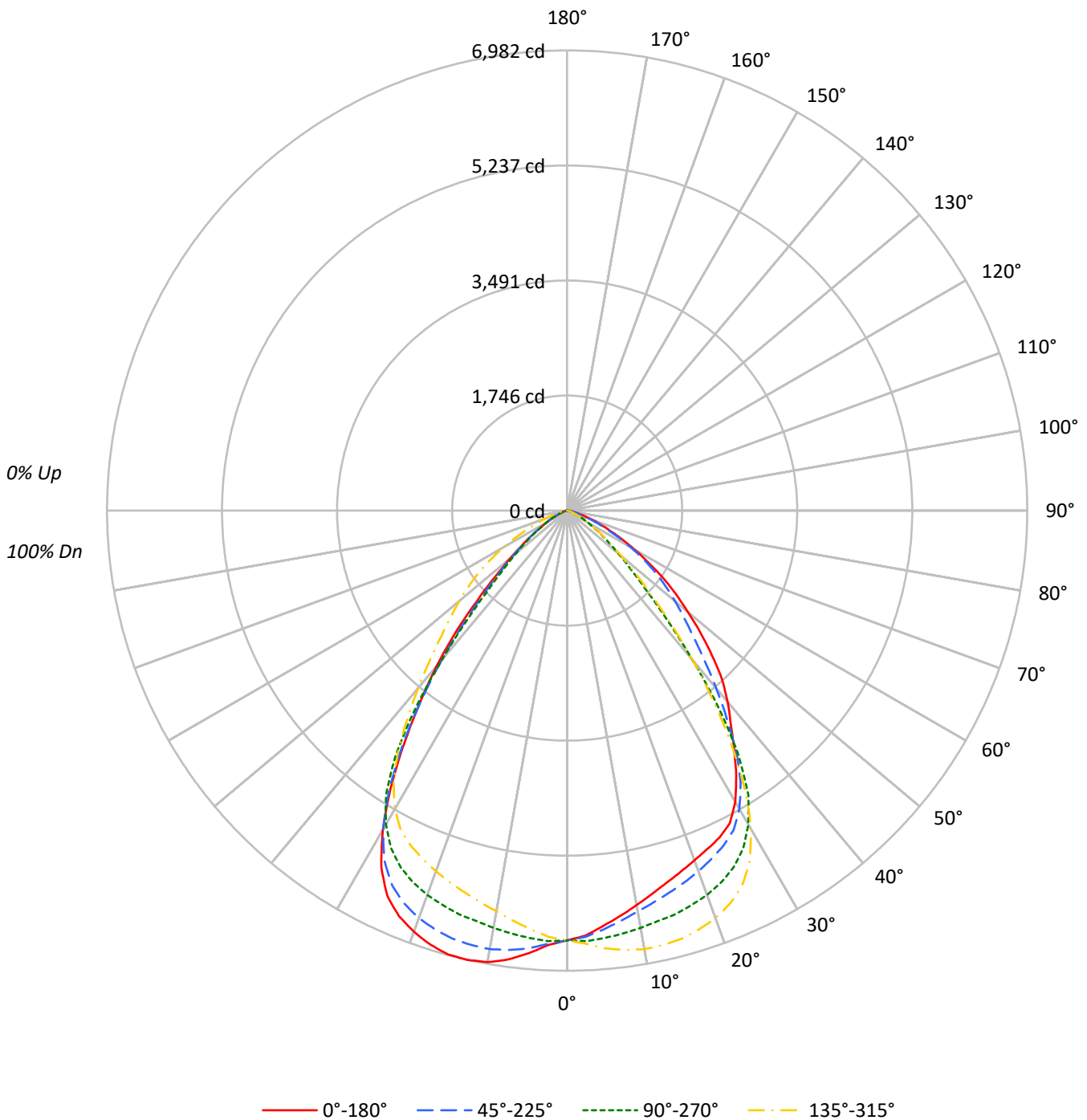
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	201062	201062	201062	201062
5°	195720	201533	208730	201533
10°	190305	201270	217819	201270
15°	186504	202463	222588	202463
20°	185233	203622	223157	203622
25°	186207	203212	219571	203212
30°	181605	195773	199291	195773
35°	166113	170784	162036	170784
40°	152506	118801	124059	118801
45°	135507	72474	83856	72474
50°	114698	48414	53763	48414
55°	94997	33036	34918	33036
60°	72453	21992	22184	21992
65°	51338	13703	12543	13703
70°	37028	9178	8331	9178
75°	23519	4563	3789	4563
80°	16408	3392	2824	3392
85°	14648	0	1097	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.6	5.7
10°-20°	1797.2	16.4
20°-30°	2721.3	24.8
30°-40°	2727.4	24.8
40°-50°	1712.7	15.6
50°-60°	912.7	8.3
60°-70°	375.3	3.4
70°-80°	99.2	0.9
80°-90°	16.8	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°	5139.0	46.8
0°-40°	7866.4	71.6
0°-60°	10491.8	95.5
0°-90°	10983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10983.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6520	6520	6520	6520	6520	
5°	6323	6511	6743	6511	6323	596
15°	5842	6342	6972	6342	5842	1652
25°	5473	5973	6453	5973	5473	2510
35°	4413	4537	4304	4537	4413	2765
45°	3107	1662	1923	1662	3107	2390
55°	1767	614	650	614	1767	1575
65°	704	188	172	188	704	730
75°	197	38	32	38	197	224
85°	41	0	3	0	41	45
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°	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3
2.5°	6453.4	6447.0	6443.9	6450.3	6453.4	6466.1	6463.0	6469.3	6469.3	6472.6	6478.8
5°	6322.9	6319.6	6322.9	6322.9	6335.6	6348.3	6345.2	6354.7	6361.0	6377.0	6383.3
7.5°	6202.0	6202.0	6198.7	6211.4	6217.8	6236.9	6233.7	6249.7	6259.2	6275.1	6297.4
10°	6077.7	6077.7	6080.9	6090.4	6093.7	6122.3	6122.3	6144.6	6157.3	6173.3	6202.0
12.5°	5956.8	5956.8	5975.9	5969.5	5982.2	6004.5	6014.0	6036.3	6055.4	6087.3	6116.0
15°	5842.1	5842.1	5848.5	5864.4	5873.9	5902.6	5918.5	5944.1	5966.3	5998.2	6039.6
17.5°	5743.4	5740.3	5743.4	5762.6	5781.7	5807.1	5819.8	5851.7	5873.9	5915.4	5953.6
20°	5644.7	5651.2	5651.2	5667.0	5679.7	5711.6	5724.3	5759.4	5784.8	5823.0	5867.7
22.5°	5558.8	5555.6	5555.6	5577.9	5587.5	5616.1	5628.8	5660.6	5689.3	5721.1	5762.6
25°	5472.8	5466.4	5479.2	5482.4	5488.7	5520.5	5530.1	5552.4	5581.1	5609.8	5651.2
27.5°	5345.4	5339.2	5342.3	5355.0	5364.6	5390.0	5396.4	5418.7	5441.0	5466.4	5501.5
30°	5100.3	5094.0	5090.8	5113.1	5122.7	5141.7	5151.2	5189.5	5195.8	5224.5	5249.9
32.5°	4775.5	4772.4	4778.8	4797.8	4807.4	4832.9	4845.6	4867.9	4883.8	4899.8	4925.2
35°	4412.7	4406.2	4412.7	4431.8	4431.8	4454.1	4463.6	4473.1	4469.9	4473.1	4466.8
37.5°	4075.2	4072.0	4075.2	4084.7	4075.2	4084.7	4075.2	4056.1	4021.1	3982.8	3944.6
40°	3788.6	3791.8	3772.8	3785.5	3750.4	3744.1	3709.1	3661.3	3591.3	3514.9	3406.6
42.5°	3483.0	3473.5	3460.8	3467.0	3438.5	3416.1	3358.8	3298.4	3209.2	3081.9	2951.3
45°	3107.3	3104.2	3097.8	3094.6	3075.5	3053.2	3005.4	2935.4	2836.7	2706.2	2550.1
47.5°	2741.2	2731.6	2731.6	2734.8	2712.5	2709.3	2671.1	2610.7	2524.7	2397.3	2235.0
50°	2390.9	2387.8	2394.2	2406.9	2390.9	2384.6	2359.2	2317.8	2241.4	2133.1	1980.2
52.5°	2075.7	2072.6	2079.0	2094.9	2088.5	2094.9	2069.5	2037.6	1986.6	1881.5	1747.9
55°	1767.0	1767.0	1767.0	1786.0	1786.0	1786.0	1773.3	1754.3	1706.5	1630.1	1506.0
57.5°	1445.4	1448.6	1467.7	1470.8	1467.7	1474.1	1470.8	1451.7	1420.0	1365.9	1270.3
60°	1174.8	1174.8	1184.4	1193.9	1190.7	1193.9	1193.9	1184.4	1152.5	1108.0	1031.6
62.5°	929.6	939.2	932.8	939.2	951.9	939.2	932.8	926.5	904.2	875.5	811.8
65°	703.6	710.0	710.0	713.1	706.7	710.0	697.3	687.7	675.0	643.2	601.8
67.5°	534.9	534.9	534.9	534.9	531.6	528.5	525.4	515.8	493.5	480.8	436.1
70°	410.7	391.6	391.6	391.6	391.6	394.8	385.3	372.6	366.1	343.9	312.0
72.5°	273.8	280.2	273.8	273.8	267.5	270.6	257.9	251.5	245.2	232.5	213.3
75°	197.4	181.5	187.8	191.1	181.5	187.8	175.1	162.4	162.4	152.8	143.2
77.5°	127.4	124.2	127.4	130.5	127.4	124.2	117.8	111.4	111.4	108.2	98.7
80°	92.4	89.1	89.1	89.1	86.0	89.1	82.8	82.8	76.4	73.3	66.8
82.5°	60.5	60.5	57.3	60.5	57.3	60.5	51.0	51.0	51.0	47.7	41.4
85°	41.4	35.0	35.0	38.3	31.8	38.3	35.0	31.8	28.7	28.7	25.4
87.5°	19.1	22.3	19.1	22.3	19.1	19.1	22.3	19.1	19.1	12.7	12.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3
2.5°	6488.4	6491.6	6491.6	6504.4	6510.7	6513.8	6513.8	6539.4	6529.8	6536.2	6542.5
5°	6396.2	6415.2	6421.6	6421.6	6456.6	6469.3	6482.0	6510.7	6513.8	6533.0	6555.2
7.5°	6306.9	6329.2	6342.0	6370.6	6392.9	6415.2	6453.4	6472.6	6491.6	6517.1	6545.7
10°	6221.0	6246.5	6271.9	6294.2	6329.2	6357.9	6383.3	6427.9	6450.3	6485.3	6523.4
12.5°	6138.3	6173.3	6195.5	6233.7	6271.9	6297.4	6335.6	6377.0	6412.0	6447.0	6491.6
15°	6065.0	6106.4	6131.8	6173.3	6214.7	6249.7	6291.1	6342.0	6367.5	6408.9	6450.3
17.5°	5985.3	6030.0	6061.9	6100.0	6151.0	6189.1	6224.2	6275.1	6306.9	6351.5	6399.3
20°	5902.6	5947.2	5985.3	6023.6	6074.6	6112.7	6154.1	6205.1	6240.1	6284.6	6322.9
22.5°	5804.0	5845.4	5886.7	5931.2	5982.2	6014.0	6061.9	6106.4	6144.6	6186.0	6224.2
25°	5676.6	5727.6	5759.4	5800.7	5842.1	5877.1	5928.1	5972.6	6004.5	6042.7	6077.7
27.5°	5526.9	5565.2	5590.6	5625.6	5667.0	5698.9	5737.0	5781.7	5813.5	5848.5	5873.9
30°	5272.2	5307.3	5329.6	5355.0	5396.4	5425.1	5457.0	5498.2	5520.5	5546.1	5568.4
32.5°	4937.9	4966.6	4979.3	4998.4	5027.1	5055.7	5081.3	5116.2	5125.8	5141.7	5141.7
35°	4454.1	4460.4	4457.2	4463.6	4476.4	4492.2	4514.5	4536.8	4549.5	4549.5	4540.0
37.5°	3887.3	3849.2	3807.8	3775.9	3766.4	3759.9	3772.8	3782.2	3795.1	3801.3	3785.5
40°	3298.4	3212.4	3120.0	3037.2	2980.0	2954.5	2945.0	2951.3	2951.3	2973.5	2973.5
42.5°	2792.2	2658.4	2521.6	2397.3	2314.5	2251.0	2222.3	2222.3	2225.4	2241.4	2251.0
45°	2371.9	2203.1	2043.9	1907.1	1792.4	1709.6	1671.5	1661.9	1658.8	1665.1	1687.3
47.5°	2050.3	1875.2	1709.6	1541.0	1420.0	1337.2	1302.2	1289.3	1276.6	1289.3	1292.6
50°	1798.9	1617.4	1442.3	1273.5	1146.1	1072.9	1028.3	1009.2	1006.0	1006.0	1012.5
52.5°	1569.5	1400.9	1225.8	1053.9	920.1	850.1	808.7	799.1	786.4	799.1	799.1
55°	1353.0	1184.4	1012.5	850.1	738.6	665.4	627.2	614.5	608.0	617.6	617.6
57.5°	1117.5	974.2	815.1	668.6	557.2	506.2	477.5	461.7	458.4	464.8	458.4
60°	916.9	796.0	659.0	525.4	439.4	385.3	363.0	356.6	350.2	356.6	356.6
62.5°	725.9	624.0	512.5	410.7	337.4	299.3	273.8	273.8	270.6	270.6	273.8
65°	538.1	458.4	378.9	292.9	235.6	206.9	187.8	187.8	184.6	187.8	184.6
67.5°	391.6	337.4	273.8	213.3	168.8	152.8	140.1	130.5	136.9	130.5	127.4
70°	286.6	241.9	197.4	162.4	130.5	114.7	105.1	101.8	95.5	95.5	95.5
72.5°	191.1	162.4	133.7	105.1	86.0	70.0	66.8	60.5	54.1	57.3	63.7
75°	127.4	108.2	95.5	76.4	57.3	57.3	38.3	38.3	31.8	38.3	28.7
77.5°	89.1	73.3	57.3	47.7	38.3	35.0	25.4	25.4	22.3	22.3	22.3
80°	63.7	54.1	41.4	35.0	25.4	25.4	22.3	19.1	15.9	15.9	19.1
82.5°	38.3	28.7	28.7	25.4	15.9	12.7	9.6	12.7	6.4	6.4	6.4
85°	22.3	19.1	15.9	9.6	6.4	6.4	3.1	0.0	3.1	3.1	0.0
87.5°	12.7	6.4	6.4	3.1	0.0	3.1	3.1	0.0	0.0	0.0	6.4
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°	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3
2.5°	6558.5	6555.2	6561.7	6561.7	6580.8	6577.5	6587.1	6587.1	6580.8	6583.9	6596.7
5°	6580.8	6590.4	6609.4	6625.4	6653.9	6666.8	6682.6	6698.6	6701.8	6711.3	6720.9
7.5°	6580.8	6612.6	6634.9	6663.5	6701.8	6724.0	6759.0	6787.7	6800.4	6816.3	6835.4
10°	6568.0	6599.8	6641.2	6673.1	6720.9	6755.9	6790.9	6835.4	6854.6	6880.0	6905.5
12.5°	6542.5	6577.5	6622.1	6663.5	6717.6	6749.5	6794.0	6835.4	6864.1	6899.1	6927.8
15°	6504.4	6545.7	6587.1	6628.5	6685.8	6724.0	6765.4	6813.1	6841.8	6880.0	6905.5
17.5°	6443.9	6488.4	6526.7	6564.8	6618.9	6663.5	6701.8	6746.3	6775.0	6806.9	6841.8
20°	6370.6	6412.0	6453.4	6485.3	6539.4	6577.5	6618.9	6660.3	6682.6	6689.0	6743.2
22.5°	6278.4	6306.9	6338.8	6389.7	6421.6	6456.6	6494.8	6533.0	6555.2	6590.4	6609.4
25°	6125.4	6154.1	6189.1	6211.4	6249.7	6278.4	6316.5	6357.9	6370.6	6396.2	6415.2
27.5°	5912.2	5928.1	5944.1	5963.1	5985.3	6001.3	6023.6	6042.7	6055.4	6068.2	6080.9
30°	5574.6	5574.6	5574.6	5561.9	5571.5	5581.1	5584.2	5581.1	5581.1	5577.9	5577.9
32.5°	5129.0	5103.5	5074.8	5049.4	5039.8	5027.1	5020.7	5011.1	4995.3	4985.7	4988.9
35°	4527.2	4469.9	4434.9	4403.1	4377.7	4358.5	4349.0	4339.4	4336.3	4323.6	4310.7
37.5°	3775.9	3734.5	3709.1	3690.0	3667.7	3648.5	3651.7	3655.0	3664.4	3658.1	3661.3
40°	2980.0	2970.4	2980.0	2957.7	2951.3	2957.7	2973.5	2995.9	3008.7	3021.4	3043.6
42.5°	2266.8	2282.7	2305.1	2305.1	2314.5	2327.4	2346.4	2381.5	2400.5	2422.8	2448.3
45°	1706.5	1725.6	1754.3	1763.7	1770.2	1786.0	1808.4	1837.0	1849.7	1868.8	1891.1
47.5°	1314.9	1327.6	1343.5	1359.5	1375.3	1381.7	1404.0	1404.0	1420.0	1432.7	1439.0
50°	1025.2	1037.9	1050.6	1060.2	1066.6	1076.1	1082.4	1092.0	1095.1	1101.6	1104.7
52.5°	802.3	818.2	818.2	824.5	834.1	843.7	840.5	843.7	846.8	846.8	856.4
55°	627.2	627.2	636.7	636.7	643.2	639.9	643.2	643.2	643.2	643.2	646.3
57.5°	468.0	471.2	480.8	474.4	471.2	477.5	471.2	477.5	474.4	480.8	471.2
60°	359.7	359.7	363.0	363.0	366.1	366.1	366.1	363.0	363.0	359.7	359.7
62.5°	270.6	273.8	277.0	273.8	273.8	273.8	270.6	270.6	267.5	264.2	264.2
65°	181.5	178.4	184.6	178.4	181.5	181.5	178.4	181.5	171.9	175.1	171.9
67.5°	130.5	127.4	124.2	127.4	124.2	121.0	121.0	124.2	127.4	117.8	117.8
70°	86.0	89.1	86.0	89.1	92.4	92.4	89.1	86.0	89.1	82.8	86.0
72.5°	54.1	54.1	54.1	54.1	54.1	57.3	57.3	57.3	51.0	51.0	47.7
75°	25.4	35.0	28.7	25.4	35.0	35.0	31.8	31.8	28.7	28.7	28.7
77.5°	25.4	19.1	19.1	19.1	19.1	19.1	19.1	19.1	15.9	19.1	15.9
80°	12.7	12.7	12.7	9.6	12.7	12.7	15.9	12.7	12.7	9.6	15.9
82.5°	6.4	6.4	6.4	0.0	3.1	6.4	6.4	3.1	6.4	6.4	3.1
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: P248619

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3
2.5°	6593.5	6590.4	6593.5	6596.7	6593.5	6590.4	6593.5	6596.7	6583.9	6580.8	6587.1
5°	6733.6	6733.6	6739.9	6743.2	6739.9	6733.6	6733.6	6720.9	6711.3	6701.8	6698.6
7.5°	6854.6	6861.0	6867.3	6870.4	6867.3	6861.0	6854.6	6835.4	6816.3	6800.4	6787.7
10°	6927.8	6937.4	6950.1	6956.4	6950.1	6937.4	6927.8	6905.5	6880.0	6854.6	6835.4
12.5°	6959.7	6969.2	6985.1	6981.9	6985.1	6969.2	6959.7	6927.8	6899.1	6864.1	6835.4
15°	6937.4	6950.1	6965.9	6972.4	6965.9	6950.1	6937.4	6905.5	6880.0	6841.8	6813.1
17.5°	6867.3	6886.4	6896.0	6905.5	6896.0	6886.4	6867.3	6841.8	6806.9	6775.0	6746.3
20°	6771.7	6784.6	6797.3	6800.4	6797.3	6784.6	6771.7	6743.2	6689.0	6682.6	6660.3
22.5°	6634.9	6644.5	6673.1	6663.5	6673.1	6644.5	6634.9	6609.4	6590.4	6555.2	6533.0
25°	6437.4	6447.0	6450.3	6453.4	6450.3	6447.0	6437.4	6415.2	6396.2	6370.6	6357.9
27.5°	6096.9	6096.9	6103.1	6106.4	6103.1	6096.9	6096.9	6080.9	6068.2	6055.4	6042.7
30°	5581.1	5581.1	5581.1	5597.0	5581.1	5581.1	5581.1	5577.9	5577.9	5581.1	5581.1
32.5°	4985.7	4979.3	4973.0	4979.3	4973.0	4979.3	4985.7	4988.9	4985.7	4995.3	5011.1
35°	4310.7	4307.6	4317.1	4304.4	4317.1	4307.6	4310.7	4310.7	4323.6	4336.3	4339.4
37.5°	3664.4	3658.1	3670.8	3658.1	3670.8	3658.1	3664.4	3661.3	3658.1	3664.4	3655.0
40°	3050.1	3056.4	3056.4	3081.9	3056.4	3056.4	3050.1	3043.6	3021.4	3008.7	2995.9
42.5°	2461.0	2480.2	2473.7	2492.9	2473.7	2480.2	2461.0	2448.3	2422.8	2400.5	2381.5
45°	1903.8	1916.7	1916.7	1922.9	1916.7	1916.7	1903.8	1891.1	1868.8	1849.7	1837.0
47.5°	1461.3	1461.3	1461.3	1464.6	1461.3	1461.3	1461.3	1439.0	1432.7	1420.0	1404.0
50°	1111.1	1114.3	1117.5	1120.7	1117.5	1114.3	1111.1	1104.7	1101.6	1095.1	1092.0
52.5°	853.2	856.4	850.1	856.4	850.1	856.4	853.2	856.4	846.8	846.8	843.7
55°	646.3	643.2	646.3	649.5	646.3	643.2	646.3	646.3	643.2	643.2	643.2
57.5°	474.4	468.0	468.0	468.0	468.0	468.0	474.4	471.2	480.8	474.4	477.5
60°	353.4	356.6	356.6	359.7	356.6	356.6	353.4	359.7	359.7	363.0	363.0
62.5°	261.0	270.6	264.2	270.6	264.2	270.6	261.0	264.2	264.2	267.5	270.6
65°	168.8	168.8	168.8	171.9	168.8	168.8	168.8	171.9	175.1	171.9	181.5
67.5°	114.7	117.8	124.2	121.0	124.2	117.8	114.7	117.8	117.8	127.4	124.2
70°	92.4	82.8	82.8	92.4	82.8	82.8	92.4	86.0	82.8	89.1	86.0
72.5°	54.1	47.7	54.1	54.1	54.1	47.7	54.1	47.7	51.0	51.0	57.3
75°	28.7	25.4	22.3	31.8	22.3	25.4	28.7	28.7	28.7	28.7	31.8
77.5°	19.1	15.9	22.3	22.3	22.3	15.9	19.1	15.9	19.1	15.9	19.1
80°	9.6	12.7	9.6	15.9	9.6	12.7	9.6	15.9	9.6	12.7	12.7
82.5°	3.1	6.4	6.4	6.4	6.4	6.4	3.1	3.1	6.4	6.4	3.1
85°	0.0	6.4	3.1	3.1	3.1	6.4	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	0.0	0.0	3.1	0.0	0.0	3.1	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: P248619

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3
2.5°	6587.1	6577.5	6580.8	6561.7	6561.7	6555.2	6558.5	6542.5	6536.2	6529.8	6539.4
5°	6682.6	6666.8	6653.9	6625.4	6609.4	6590.4	6580.8	6555.2	6533.0	6513.8	6510.7
7.5°	6759.0	6724.0	6701.8	6663.5	6634.9	6612.6	6580.8	6545.7	6517.1	6491.6	6472.6
10°	6790.9	6755.9	6720.9	6673.1	6641.2	6599.8	6568.0	6523.4	6485.3	6450.3	6427.9
12.5°	6794.0	6749.5	6717.6	6663.5	6622.1	6577.5	6542.5	6491.6	6447.0	6412.0	6377.0
15°	6765.4	6724.0	6685.8	6628.5	6587.1	6545.7	6504.4	6450.3	6408.9	6367.5	6342.0
17.5°	6701.8	6663.5	6618.9	6564.8	6526.7	6488.4	6443.9	6399.3	6351.5	6306.9	6275.1
20°	6618.9	6577.5	6539.4	6485.3	6453.4	6412.0	6370.6	6322.9	6284.6	6240.1	6205.1
22.5°	6494.8	6456.6	6421.6	6389.7	6338.8	6306.9	6278.4	6224.2	6186.0	6144.6	6106.4
25°	6316.5	6278.4	6249.7	6211.4	6189.1	6154.1	6125.4	6077.7	6042.7	6004.5	5972.6
27.5°	6023.6	6001.3	5985.3	5963.1	5944.1	5928.1	5912.2	5873.9	5848.5	5813.5	5781.7
30°	5584.2	5581.1	5571.5	5561.9	5574.6	5574.6	5574.6	5568.4	5546.1	5520.5	5498.2
32.5°	5020.7	5027.1	5039.8	5049.4	5074.8	5103.5	5129.0	5141.7	5141.7	5125.8	5116.2
35°	4349.0	4358.5	4377.7	4403.1	4434.9	4469.9	4527.2	4540.0	4549.5	4549.5	4536.8
37.5°	3651.7	3648.5	3667.7	3690.0	3709.1	3734.5	3775.9	3785.5	3801.3	3795.1	3782.2
40°	2973.5	2957.7	2951.3	2957.7	2980.0	2970.4	2980.0	2973.5	2973.5	2951.3	2951.3
42.5°	2346.4	2327.4	2314.5	2305.1	2305.1	2282.7	2266.8	2251.0	2241.4	2225.4	2222.3
45°	1808.4	1786.0	1770.2	1763.7	1754.3	1725.6	1706.5	1687.3	1665.1	1658.8	1661.9
47.5°	1404.0	1381.7	1375.3	1359.5	1343.5	1327.6	1314.9	1292.6	1289.3	1276.6	1289.3
50°	1082.4	1076.1	1066.6	1060.2	1050.6	1037.9	1025.2	1012.5	1006.0	1006.0	1009.2
52.5°	840.5	843.7	834.1	824.5	818.2	818.2	802.3	799.1	799.1	786.4	799.1
55°	643.2	639.9	643.2	636.7	636.7	627.2	627.2	617.6	617.6	608.0	614.5
57.5°	471.2	477.5	471.2	474.4	480.8	471.2	468.0	458.4	464.8	458.4	461.7
60°	366.1	366.1	366.1	363.0	363.0	359.7	359.7	356.6	356.6	350.2	356.6
62.5°	270.6	273.8	273.8	273.8	277.0	273.8	270.6	273.8	270.6	270.6	273.8
65°	178.4	181.5	181.5	178.4	184.6	178.4	181.5	184.6	187.8	184.6	187.8
67.5°	121.0	121.0	124.2	127.4	124.2	127.4	130.5	127.4	130.5	136.9	130.5
70°	89.1	92.4	92.4	89.1	86.0	89.1	86.0	95.5	95.5	95.5	101.8
72.5°	57.3	57.3	54.1	54.1	54.1	54.1	54.1	63.7	57.3	54.1	60.5
75°	31.8	35.0	35.0	25.4	28.7	35.0	25.4	28.7	38.3	31.8	38.3
77.5°	19.1	19.1	19.1	19.1	19.1	19.1	25.4	22.3	22.3	22.3	25.4
80°	15.9	12.7	12.7	9.6	12.7	12.7	12.7	19.1	15.9	15.9	19.1
82.5°	6.4	6.4	3.1	0.0	6.4	6.4	6.4	6.4	6.4	6.4	12.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	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: P248619

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBSWOH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3
2.5°	6513.8	6513.8	6510.7	6504.4	6491.6	6491.6	6488.4	6478.8	6472.6	6469.3	6469.3
5°	6482.0	6469.3	6456.6	6421.6	6421.6	6415.2	6396.2	6383.3	6377.0	6361.0	6354.7
7.5°	6453.4	6415.2	6392.9	6370.6	6342.0	6329.2	6306.9	6297.4	6275.1	6259.2	6249.7
10°	6383.3	6357.9	6329.2	6294.2	6271.9	6246.5	6221.0	6202.0	6173.3	6157.3	6144.6
12.5°	6335.6	6297.4	6271.9	6233.7	6195.5	6173.3	6138.3	6116.0	6087.3	6055.4	6036.3
15°	6291.1	6249.7	6214.7	6173.3	6131.8	6106.4	6065.0	6039.6	5998.2	5966.3	5944.1
17.5°	6224.2	6189.1	6151.0	6100.0	6061.9	6030.0	5985.3	5953.6	5915.4	5873.9	5851.7
20°	6154.1	6112.7	6074.6	6023.6	5985.3	5947.2	5902.6	5867.7	5823.0	5784.8	5759.4
22.5°	6061.9	6014.0	5982.2	5931.2	5886.7	5845.4	5804.0	5762.6	5721.1	5689.3	5660.6
25°	5928.1	5877.1	5842.1	5800.7	5759.4	5727.6	5676.6	5651.2	5609.8	5581.1	5552.4
27.5°	5737.0	5698.9	5667.0	5625.6	5590.6	5565.2	5526.9	5501.5	5466.4	5441.0	5418.7
30°	5457.0	5425.1	5396.4	5355.0	5329.6	5307.3	5272.2	5249.9	5224.5	5195.8	5189.5
32.5°	5081.3	5055.7	5027.1	4998.4	4979.3	4966.6	4937.9	4925.2	4899.8	4883.8	4867.9
35°	4514.5	4492.2	4476.4	4463.6	4457.2	4460.4	4454.1	4466.8	4473.1	4469.9	4473.1
37.5°	3772.8	3759.9	3766.4	3775.9	3807.8	3849.2	3887.3	3944.6	3982.8	4021.1	4056.1
40°	2945.0	2954.5	2980.0	3037.2	3120.0	3212.4	3298.4	3406.6	3514.9	3591.3	3661.3
42.5°	2222.3	2251.0	2314.5	2397.3	2521.6	2658.4	2792.2	2951.3	3081.9	3209.2	3298.4
45°	1671.5	1709.6	1792.4	1907.1	2043.9	2203.1	2371.9	2550.1	2706.2	2836.7	2935.4
47.5°	1302.2	1337.2	1420.0	1541.0	1709.6	1875.2	2050.3	2235.0	2397.3	2524.7	2610.7
50°	1028.3	1072.9	1146.1	1273.5	1442.3	1617.4	1798.9	1980.2	2133.1	2241.4	2317.8
52.5°	808.7	850.1	920.1	1053.9	1225.8	1400.9	1569.5	1747.9	1881.5	1986.6	2037.6
55°	627.2	665.4	738.6	850.1	1012.5	1184.4	1353.0	1506.0	1630.1	1706.5	1754.3
57.5°	477.5	506.2	557.2	668.6	815.1	974.2	1117.5	1270.3	1365.9	1420.0	1451.7
60°	363.0	385.3	439.4	525.4	659.0	796.0	916.9	1031.6	1108.0	1152.5	1184.4
62.5°	273.8	299.3	337.4	410.7	512.5	624.0	725.9	811.8	875.5	904.2	926.5
65°	187.8	206.9	235.6	292.9	378.9	458.4	538.1	601.8	643.2	675.0	687.7
67.5°	140.1	152.8	168.8	213.3	273.8	337.4	391.6	436.1	480.8	493.5	515.8
70°	105.1	114.7	130.5	162.4	197.4	241.9	286.6	312.0	343.9	366.1	372.6
72.5°	66.8	70.0	86.0	105.1	133.7	162.4	191.1	213.3	232.5	245.2	251.5
75°	38.3	57.3	57.3	76.4	95.5	108.2	127.4	143.2	152.8	162.4	162.4
77.5°	25.4	35.0	38.3	47.7	57.3	73.3	89.1	98.7	108.2	111.4	111.4
80°	22.3	25.4	25.4	35.0	41.4	54.1	63.7	66.8	73.3	76.4	82.8
82.5°	9.6	12.7	15.9	25.4	28.7	28.7	38.3	41.4	47.7	51.0	51.0
85°	3.1	6.4	6.4	9.6	15.9	19.1	22.3	25.4	28.7	28.7	31.8
87.5°	3.1	3.1	0.0	3.1	6.4	6.4	12.7	12.7	12.7	19.1	19.1
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: P248619

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3	6520.3
2.5°	6463.0	6466.1	6453.4	6450.3	6443.9	6447.0	6453.4
5°	6345.2	6348.3	6335.6	6322.9	6322.9	6319.6	6322.9
7.5°	6233.7	6236.9	6217.8	6211.4	6198.7	6202.0	6202.0
10°	6122.3	6122.3	6093.7	6090.4	6080.9	6077.7	6077.7
12.5°	6014.0	6004.5	5982.2	5969.5	5975.9	5956.8	5956.8
15°	5918.5	5902.6	5873.9	5864.4	5848.5	5842.1	5842.1
17.5°	5819.8	5807.1	5781.7	5762.6	5743.4	5740.3	5743.4
20°	5724.3	5711.6	5679.7	5667.0	5651.2	5651.2	5644.7
22.5°	5628.8	5616.1	5587.5	5577.9	5555.6	5555.6	5558.8
25°	5530.1	5520.5	5488.7	5482.4	5479.2	5466.4	5472.8
27.5°	5396.4	5390.0	5364.6	5355.0	5342.3	5339.2	5345.4
30°	5151.2	5141.7	5122.7	5113.1	5090.8	5094.0	5100.3
32.5°	4845.6	4832.9	4807.4	4797.8	4778.8	4772.4	4775.5
35°	4463.6	4454.1	4431.8	4431.8	4412.7	4406.2	4412.7
37.5°	4075.2	4084.7	4075.2	4084.7	4075.2	4072.0	4075.2
40°	3709.1	3744.1	3750.4	3785.5	3772.8	3791.8	3788.6
42.5°	3358.8	3416.1	3438.5	3467.0	3460.8	3473.5	3483.0
45°	3005.4	3053.2	3075.5	3094.6	3097.8	3104.2	3107.3
47.5°	2671.1	2709.3	2712.5	2734.8	2731.6	2731.6	2741.2
50°	2359.2	2384.6	2390.9	2406.9	2394.2	2387.8	2390.9
52.5°	2069.5	2094.9	2088.5	2094.9	2079.0	2072.6	2075.7
55°	1773.3	1786.0	1786.0	1786.0	1767.0	1767.0	1767.0
57.5°	1470.8	1474.1	1467.7	1470.8	1467.7	1448.6	1445.4
60°	1193.9	1193.9	1190.7	1193.9	1184.4	1174.8	1174.8
62.5°	932.8	939.2	951.9	939.2	932.8	939.2	929.6
65°	697.3	710.0	706.7	713.1	710.0	710.0	703.6
67.5°	525.4	528.5	531.6	534.9	534.9	534.9	534.9
70°	385.3	394.8	391.6	391.6	391.6	391.6	410.7
72.5°	257.9	270.6	267.5	273.8	273.8	280.2	273.8
75°	175.1	187.8	181.5	191.1	187.8	181.5	197.4
77.5°	117.8	124.2	127.4	130.5	127.4	124.2	127.4
80°	82.8	89.1	86.0	89.1	89.1	89.1	92.4
82.5°	51.0	60.5	57.3	60.5	57.3	60.5	60.5
85°	35.0	38.3	31.8	38.3	35.0	35.0	41.4
87.5°	22.3	19.1	19.1	22.3	19.1	22.3	19.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)