

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: P248682

Luminaire Tested: **LSR8B120D010 EC8B120840 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248682  
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 EC8B120840 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

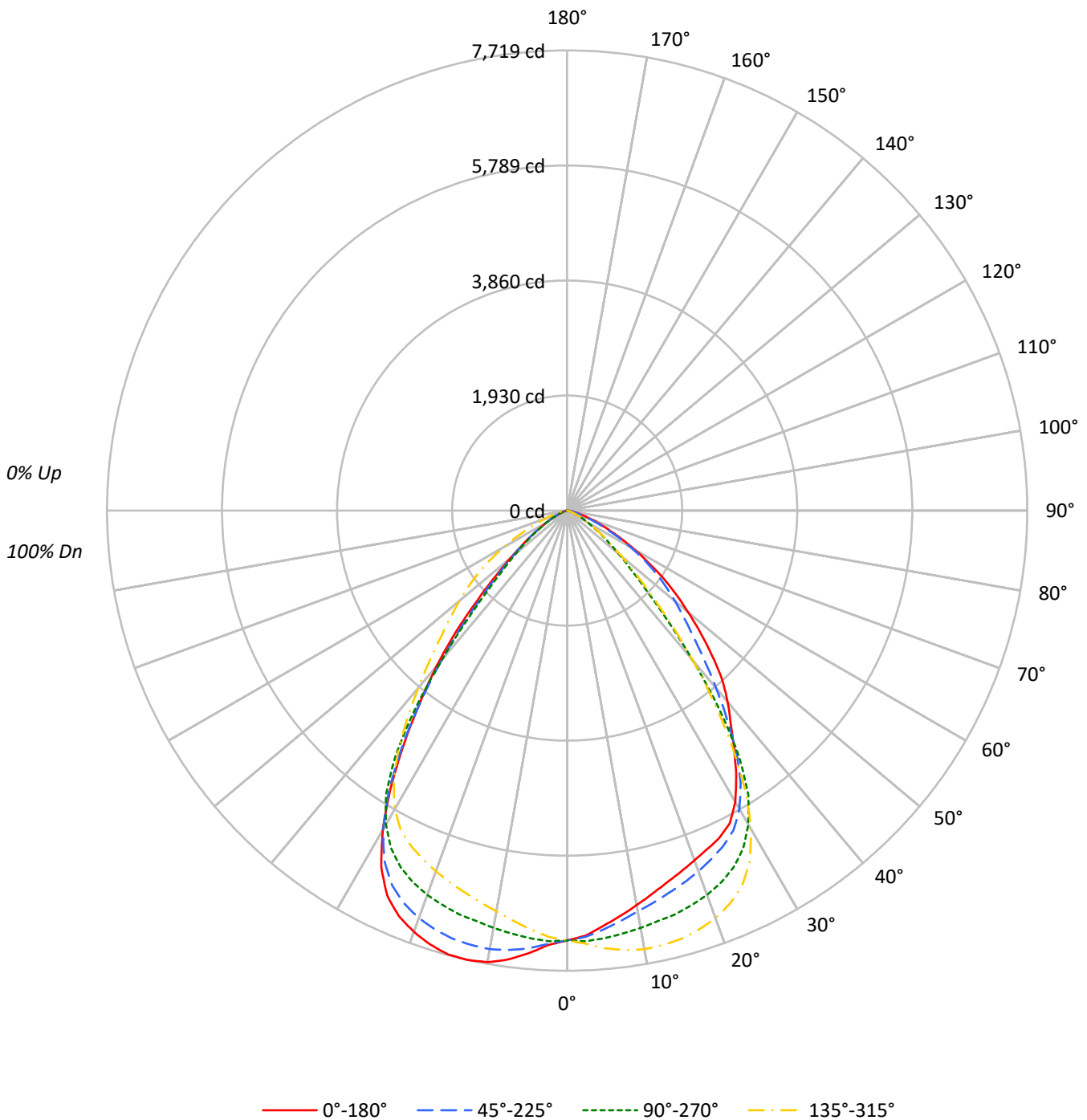
Lumens per Lamp: N/A  
Luminaire Lumens: 12143.0 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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°	222296	222296	222296	222296
5°	216391	222817	230775	222817
10°	210404	222528	240824	222528
15°	206201	223849	246097	223849
20°	204797	225130	246729	225130
25°	205873	224675	242762	224675
30°	200783	216453	220341	216453
35°	183655	188819	179149	188819
40°	168616	131349	137161	131349
45°	149819	80127	92713	80127
50°	126811	53528	59443	53528
55°	105028	36526	38606	36526
60°	80107	24311	24527	24311
65°	56759	15148	13871	15148
70°	40941	10152	9205	10152
75°	25997	5040	4194	5040
80°	18131	3765	3108	3765
85°	16204	0	1238	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	686.2	5.7
10°-20°	1987.0	16.4
20°-30°	3008.7	24.8
30°-40°	3015.4	24.8
40°-50°	1893.5	15.6
50°-60°	1009.1	8.3
60°-70°	414.9	3.4
70°-80°	109.6	0.9
80°-90°	18.5	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°	5681.8	46.8
0°-40°	8697.3	71.6
0°-60°	11599.9	95.5
0°-90°	12143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12143.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7209	7209	7209	7209	7209	
5°	6991	7198	7455	7198	6991	659
15°	6459	7012	7709	7012	6459	1827
25°	6051	6603	7135	6603	6051	2775
35°	4879	5016	4759	5016	4879	3056
45°	3436	1837	2126	1837	3436	2642
55°	1954	679	718	679	1954	1742
65°	778	208	190	208	778	807
75°	218	42	35	42	218	247
85°	46	0	4	0	46	50
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°	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9
2.5°	7135.0	7127.9	7124.4	7131.5	7135.0	7149.1	7145.6	7152.6	7152.6	7156.2	7163.1
5°	6990.7	6987.1	6990.7	6990.7	7004.8	7018.8	7015.3	7025.9	7032.9	7050.6	7057.5
7.5°	6857.0	6857.0	6853.4	6867.4	6874.5	6895.7	6892.1	6909.7	6920.3	6937.8	6962.5
10°	6719.6	6719.6	6723.1	6733.7	6737.3	6768.9	6768.9	6793.5	6807.6	6825.3	6857.0
12.5°	6585.9	6585.9	6607.1	6600.0	6614.0	6638.6	6649.2	6673.9	6695.0	6730.2	6761.9
15°	6459.1	6459.1	6466.2	6483.8	6494.3	6526.1	6543.6	6571.9	6596.5	6631.7	6677.5
17.5°	6350.0	6346.6	6350.0	6371.2	6392.3	6420.4	6434.5	6469.7	6494.3	6540.1	6582.4
20°	6240.9	6248.0	6248.0	6265.6	6279.6	6314.8	6328.9	6367.7	6395.8	6438.0	6487.4
22.5°	6145.9	6142.4	6142.4	6167.0	6177.6	6209.2	6223.3	6258.5	6290.2	6325.4	6371.2
25°	6050.8	6043.7	6057.9	6061.4	6068.4	6103.6	6114.2	6138.8	6170.5	6202.3	6248.0
27.5°	5910.0	5903.1	5906.5	5920.6	5931.2	5959.3	5966.4	5991.0	6015.6	6043.7	6082.6
30°	5638.9	5632.0	5628.5	5653.1	5663.7	5684.7	5695.3	5737.6	5744.6	5776.3	5804.4
32.5°	5279.9	5276.4	5283.5	5304.5	5315.1	5343.4	5357.4	5382.1	5399.6	5417.3	5445.4
35°	4878.7	4871.6	4878.7	4899.9	4899.9	4924.5	4935.1	4945.5	4942.0	4945.5	4938.6
37.5°	4505.6	4502.0	4505.6	4516.1	4505.6	4516.1	4505.6	4484.5	4445.8	4403.5	4361.2
40°	4188.8	4192.3	4171.2	4185.3	4146.5	4139.5	4100.8	4048.0	3970.6	3886.1	3766.4
42.5°	3850.9	3840.3	3826.3	3833.2	3801.6	3776.9	3713.6	3646.8	3548.1	3407.4	3263.0
45°	3435.5	3432.0	3424.9	3421.5	3400.3	3375.7	3322.8	3245.4	3136.3	2992.0	2819.5
47.5°	3030.7	3020.1	3020.1	3023.6	2999.0	2995.5	2953.2	2886.4	2791.4	2650.5	2471.0
50°	2643.4	2640.0	2647.1	2661.1	2643.4	2636.5	2608.4	2562.6	2478.1	2358.4	2189.4
52.5°	2295.0	2291.5	2298.6	2316.1	2309.0	2316.1	2288.0	2252.8	2196.5	2080.3	1932.5
55°	1953.6	1953.6	1953.6	1974.6	1974.6	1974.6	1960.6	1939.6	1886.7	1802.2	1665.0
57.5°	1598.1	1601.6	1622.7	1626.2	1622.7	1629.8	1626.2	1605.0	1570.0	1510.1	1404.5
60°	1298.9	1298.9	1309.5	1320.1	1316.4	1320.1	1320.1	1309.5	1274.3	1225.0	1140.5
62.5°	1027.8	1038.4	1031.3	1038.4	1052.4	1038.4	1031.3	1024.3	999.7	968.0	897.6
65°	777.9	785.0	785.0	788.5	781.4	785.0	770.9	760.4	746.3	711.1	665.3
67.5°	591.4	591.4	591.4	591.4	587.8	584.3	580.8	570.3	545.6	531.6	482.2
70°	454.1	432.9	432.9	432.9	432.9	436.5	426.0	411.9	404.8	380.2	345.0
72.5°	302.7	309.8	302.7	302.7	295.7	299.2	285.1	278.0	271.1	257.0	235.9
75°	218.2	200.7	207.6	211.2	200.7	207.6	193.6	179.5	179.5	168.9	158.4
77.5°	140.8	137.4	140.8	144.3	140.8	137.4	130.3	123.2	123.2	119.7	109.1
80°	102.1	98.5	98.5	98.5	95.0	98.5	91.6	91.6	84.5	81.0	73.9
82.5°	66.9	66.9	63.3	66.9	63.3	66.9	56.4	56.4	56.4	52.7	45.8
85°	45.8	38.7	38.7	42.3	35.2	42.3	38.7	35.2	31.7	31.7	28.1
87.5°	21.2	24.6	21.2	24.6	21.2	21.2	24.6	21.2	21.2	14.1	14.1
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9
2.5°	7173.7	7177.2	7177.2	7191.4	7198.3	7201.8	7201.8	7230.1	7219.5	7226.6	7233.5
5°	7071.7	7092.7	7099.8	7099.8	7138.5	7152.6	7166.6	7198.3	7201.8	7223.0	7247.6
7.5°	6973.0	6997.7	7011.9	7043.5	7068.1	7092.7	7135.0	7156.2	7177.2	7205.4	7237.0
10°	6878.0	6906.2	6934.4	6959.0	6997.7	7029.4	7057.5	7106.8	7131.5	7170.2	7212.4
12.5°	6786.6	6825.3	6849.9	6892.1	6934.4	6962.5	7004.8	7050.6	7089.2	7127.9	7177.2
15°	6705.6	6751.4	6779.5	6825.3	6871.0	6909.7	6955.5	7011.9	7040.0	7085.8	7131.5
17.5°	6617.5	6666.9	6702.1	6744.3	6800.6	6842.8	6881.6	6937.8	6973.0	7022.3	7075.2
20°	6526.1	6575.3	6617.5	6659.8	6716.2	6758.3	6804.1	6860.5	6899.1	6948.4	6990.7
22.5°	6417.0	6462.8	6508.4	6557.7	6614.0	6649.2	6702.1	6751.4	6793.5	6839.3	6881.6
25°	6276.1	6332.5	6367.7	6413.3	6459.1	6497.8	6554.2	6603.4	6638.6	6681.0	6719.6
27.5°	6110.7	6153.0	6181.1	6219.8	6265.6	6300.8	6342.9	6392.3	6427.5	6466.2	6494.3
30°	5829.0	5867.9	5892.5	5920.6	5966.4	5998.1	6033.3	6079.0	6103.6	6131.8	6156.5
32.5°	5459.4	5491.2	5505.2	5526.4	5558.1	5589.7	5617.9	5656.6	5667.2	5684.7	5684.7
35°	4924.5	4931.5	4928.0	4935.1	4949.1	4966.7	4991.3	5015.9	5030.0	5030.0	5019.6
37.5°	4297.9	4255.7	4209.9	4174.7	4164.1	4157.0	4171.2	4181.7	4195.9	4202.8	4185.3
40°	3646.8	3551.7	3449.6	3358.0	3294.7	3266.6	3256.0	3263.0	3263.0	3287.6	3287.6
42.5°	3087.1	2939.1	2787.9	2650.5	2559.0	2488.7	2457.0	2457.0	2460.4	2478.1	2488.7
45°	2622.4	2435.8	2259.8	2108.5	1981.7	1890.2	1848.0	1837.4	1834.0	1840.9	1865.5
47.5°	2266.9	2073.3	1890.2	1703.7	1570.0	1478.4	1439.7	1425.5	1411.5	1425.5	1429.1
50°	1988.8	1788.2	1594.6	1408.0	1267.2	1186.2	1136.9	1115.8	1112.3	1112.3	1119.4
52.5°	1735.3	1548.8	1355.3	1165.2	1017.2	939.9	894.1	883.5	869.5	883.5	883.5
55°	1495.9	1309.5	1119.4	939.9	816.6	735.7	693.4	679.4	672.3	682.8	682.8
57.5°	1235.6	1077.1	901.2	739.2	616.1	559.7	528.0	510.4	506.8	513.9	506.8
60°	1013.8	880.0	728.6	580.8	485.8	426.0	401.3	394.2	387.1	394.2	394.2
62.5°	802.5	689.9	566.6	454.1	373.1	330.9	302.7	302.7	299.2	299.2	302.7
65°	594.9	506.8	418.9	323.8	260.5	228.8	207.6	207.6	204.1	207.6	204.1
67.5°	432.9	373.1	302.7	235.9	186.6	168.9	154.9	144.3	151.4	144.3	140.8
70°	316.9	267.5	218.2	179.5	144.3	126.8	116.2	112.6	105.6	105.6	105.6
72.5°	211.2	179.5	147.8	116.2	95.0	77.4	73.9	66.9	59.8	63.3	70.4
75°	140.8	119.7	105.6	84.5	63.3	63.3	42.3	42.3	35.2	42.3	31.7
77.5°	98.5	81.0	63.3	52.7	42.3	38.7	28.1	28.1	24.6	24.6	24.6
80°	70.4	59.8	45.8	38.7	28.1	28.1	24.6	21.2	17.5	17.5	21.2
82.5°	42.3	31.7	31.7	28.1	17.5	14.1	10.6	14.1	7.1	7.1	7.1
85°	24.6	21.2	17.5	10.6	7.1	7.1	3.5	0.0	3.5	3.5	0.0
87.5°	14.1	7.1	7.1	3.5	0.0	3.5	3.5	0.0	0.0	0.0	7.1
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°	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9
2.5°	7251.2	7247.6	7254.7	7254.7	7275.9	7272.2	7282.8	7282.8	7275.9	7279.3	7293.4
5°	7275.9	7286.4	7307.4	7325.1	7356.7	7370.9	7388.4	7406.1	7409.6	7420.2	7430.7
7.5°	7275.9	7311.1	7335.7	7367.3	7409.6	7434.2	7472.9	7504.6	7518.7	7536.2	7557.4
10°	7261.7	7296.9	7342.6	7377.9	7430.7	7469.4	7508.1	7557.4	7578.5	7606.6	7634.9
12.5°	7233.5	7272.2	7321.5	7367.3	7427.1	7462.3	7511.6	7557.4	7589.1	7627.8	7659.5
15°	7191.4	7237.0	7282.8	7328.6	7391.9	7434.2	7480.0	7532.7	7564.5	7606.6	7634.9
17.5°	7124.4	7173.7	7216.0	7258.2	7318.0	7367.3	7409.6	7458.8	7490.6	7525.8	7564.5
20°	7043.5	7089.2	7135.0	7170.2	7230.1	7272.2	7318.0	7363.8	7388.4	7395.5	7455.4
22.5°	6941.5	6973.0	7008.2	7064.6	7099.8	7138.5	7180.8	7223.0	7247.6	7286.4	7307.4
25°	6772.4	6804.1	6842.8	6867.4	6909.7	6941.5	6983.6	7029.4	7043.5	7071.7	7092.7
27.5°	6536.6	6554.2	6571.9	6592.9	6617.5	6635.2	6659.8	6681.0	6695.0	6709.1	6723.1
30°	6163.4	6163.4	6163.4	6149.4	6159.9	6170.5	6174.0	6170.5	6170.5	6167.0	6167.0
32.5°	5670.7	5642.6	5610.8	5582.7	5572.1	5558.1	5551.0	5540.4	5522.9	5512.3	5515.8
35°	5005.4	4942.0	4903.4	4868.1	4840.0	4818.9	4808.3	4797.7	4794.3	4780.2	4766.0
37.5°	4174.7	4128.9	4100.8	4079.7	4055.1	4033.9	4037.4	4041.0	4051.4	4044.5	4048.0
40°	3294.7	3284.1	3294.7	3270.1	3263.0	3270.1	3287.6	3312.4	3326.4	3340.5	3365.1
42.5°	2506.2	2523.8	2548.5	2548.5	2559.0	2573.2	2594.2	2633.0	2654.0	2678.6	2706.9
45°	1886.7	1907.9	1939.6	1950.0	1957.1	1974.6	1999.4	2031.0	2045.1	2066.2	2090.8
47.5°	1453.8	1467.8	1485.4	1503.0	1520.6	1527.7	1552.3	1552.3	1570.0	1584.0	1591.0
50°	1133.4	1147.5	1161.5	1172.1	1179.2	1189.8	1196.8	1207.3	1210.8	1217.9	1221.4
52.5°	887.0	904.7	904.7	911.6	922.2	932.8	929.3	932.8	936.2	936.2	946.8
55°	693.4	693.4	704.0	704.0	711.1	707.5	711.1	711.1	711.1	711.1	714.6
57.5°	517.4	521.0	531.6	524.5	521.0	528.0	521.0	528.0	524.5	531.6	521.0
60°	397.7	397.7	401.3	401.3	404.8	404.8	404.8	401.3	401.3	397.7	397.7
62.5°	299.2	302.7	306.3	302.7	302.7	302.7	299.2	299.2	295.7	292.1	292.1
65°	200.7	197.2	204.1	197.2	200.7	200.7	197.2	200.7	190.1	193.6	190.1
67.5°	144.3	140.8	137.4	140.8	137.4	133.7	133.7	137.4	140.8	130.3	130.3
70°	95.0	98.5	95.0	98.5	102.1	102.1	98.5	95.0	98.5	91.6	95.0
72.5°	59.8	59.8	59.8	59.8	59.8	63.3	63.3	63.3	56.4	56.4	52.7
75°	28.1	38.7	31.7	28.1	38.7	38.7	35.2	35.2	31.7	31.7	31.7
77.5°	28.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	17.5	21.2	17.5
80°	14.1	14.1	14.1	10.6	14.1	14.1	17.5	14.1	14.1	10.6	17.5
82.5°	7.1	7.1	7.1	0.0	3.5	7.1	7.1	3.5	7.1	7.1	3.5
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: P248682

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9
2.5°	7289.9	7286.4	7289.9	7293.4	7289.9	7286.4	7289.9	7293.4	7279.3	7275.9	7282.8
5°	7444.8	7444.8	7451.7	7455.4	7451.7	7444.8	7444.8	7430.7	7420.2	7409.6	7406.1
7.5°	7578.5	7585.6	7592.6	7596.0	7592.6	7585.6	7578.5	7557.4	7536.2	7518.7	7504.6
10°	7659.5	7670.1	7684.1	7691.1	7684.1	7670.1	7659.5	7634.9	7606.6	7578.5	7557.4
12.5°	7694.7	7705.3	7722.8	7719.3	7722.8	7705.3	7694.7	7659.5	7627.8	7589.1	7557.4
15°	7670.1	7684.1	7701.7	7708.8	7701.7	7684.1	7670.1	7634.9	7606.6	7564.5	7532.7
17.5°	7592.6	7613.7	7624.3	7634.9	7624.3	7613.7	7592.6	7564.5	7525.8	7490.6	7458.8
20°	7486.9	7501.1	7515.2	7518.7	7515.2	7501.1	7486.9	7455.4	7395.5	7388.4	7363.8
22.5°	7335.7	7346.3	7377.9	7367.3	7377.9	7346.3	7335.7	7307.4	7286.4	7247.6	7223.0
25°	7117.3	7127.9	7131.5	7135.0	7131.5	7127.9	7117.3	7092.7	7071.7	7043.5	7029.4
27.5°	6740.8	6740.8	6747.7	6751.4	6747.7	6740.8	6740.8	6723.1	6709.1	6695.0	6681.0
30°	6170.5	6170.5	6170.5	6188.2	6170.5	6170.5	6170.5	6167.0	6167.0	6170.5	6170.5
32.5°	5512.3	5505.2	5498.3	5505.2	5498.3	5505.2	5512.3	5515.8	5512.3	5522.9	5540.4
35°	4766.0	4762.5	4773.1	4759.0	4773.1	4762.5	4766.0	4766.0	4780.2	4794.3	4797.7
37.5°	4051.4	4044.5	4058.5	4044.5	4058.5	4044.5	4051.4	4048.0	4044.5	4051.4	4041.0
40°	3372.2	3379.2	3379.2	3407.4	3379.2	3379.2	3372.2	3365.1	3340.5	3326.4	3312.4
42.5°	2720.9	2742.1	2735.0	2756.2	2735.0	2742.1	2720.9	2706.9	2678.6	2654.0	2633.0
45°	2104.9	2119.1	2119.1	2126.0	2119.1	2119.1	2104.9	2090.8	2066.2	2045.1	2031.0
47.5°	1615.6	1615.6	1615.6	1619.2	1615.6	1615.6	1615.6	1591.0	1584.0	1570.0	1552.3
50°	1228.5	1232.0	1235.6	1239.1	1235.6	1232.0	1228.5	1221.4	1217.9	1210.8	1207.3
52.5°	943.3	946.8	939.9	946.8	939.9	946.8	943.3	946.8	936.2	936.2	932.8
55°	714.6	711.1	714.6	718.1	714.6	711.1	714.6	714.6	711.1	711.1	711.1
57.5°	524.5	517.4	517.4	517.4	517.4	517.4	524.5	521.0	531.6	524.5	528.0
60°	390.8	394.2	394.2	397.7	394.2	394.2	390.8	397.7	397.7	401.3	401.3
62.5°	288.6	299.2	292.1	299.2	292.1	299.2	288.6	292.1	292.1	295.7	299.2
65°	186.6	186.6	186.6	190.1	186.6	186.6	186.6	190.1	193.6	190.1	200.7
67.5°	126.8	130.3	137.4	133.7	137.4	130.3	126.8	130.3	130.3	140.8	137.4
70°	102.1	91.6	91.6	102.1	91.6	91.6	102.1	95.0	91.6	98.5	95.0
72.5°	59.8	52.7	59.8	59.8	59.8	52.7	59.8	52.7	56.4	56.4	63.3
75°	31.7	28.1	24.6	35.2	24.6	28.1	31.7	31.7	31.7	31.7	35.2
77.5°	21.2	17.5	24.6	24.6	24.6	17.5	21.2	17.5	21.2	17.5	21.2
80°	10.6	14.1	10.6	17.5	10.6	14.1	10.6	17.5	10.6	14.1	14.1
82.5°	3.5	7.1	7.1	7.1	7.1	7.1	3.5	3.5	7.1	7.1	3.5
85°	0.0	7.1	3.5	3.5	3.5	7.1	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	0.0	0.0	3.5	0.0	0.0	3.5	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: P248682

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9
2.5°	7282.8	7272.2	7275.9	7254.7	7254.7	7247.6	7251.2	7233.5	7226.6	7219.5	7230.1
5°	7388.4	7370.9	7356.7	7325.1	7307.4	7286.4	7275.9	7247.6	7223.0	7201.8	7198.3
7.5°	7472.9	7434.2	7409.6	7367.3	7335.7	7311.1	7275.9	7237.0	7205.4	7177.2	7156.2
10°	7508.1	7469.4	7430.7	7377.9	7342.6	7296.9	7261.7	7212.4	7170.2	7131.5	7106.8
12.5°	7511.6	7462.3	7427.1	7367.3	7321.5	7272.2	7233.5	7177.2	7127.9	7089.2	7050.6
15°	7480.0	7434.2	7391.9	7328.6	7282.8	7237.0	7191.4	7131.5	7085.8	7040.0	7011.9
17.5°	7409.6	7367.3	7318.0	7258.2	7216.0	7173.7	7124.4	7075.2	7022.3	6973.0	6937.8
20°	7318.0	7272.2	7230.1	7170.2	7135.0	7089.2	7043.5	6990.7	6948.4	6899.1	6860.5
22.5°	7180.8	7138.5	7099.8	7064.6	7008.2	6973.0	6941.5	6881.6	6839.3	6793.5	6751.4
25°	6983.6	6941.5	6909.7	6867.4	6842.8	6804.1	6772.4	6719.6	6681.0	6638.6	6603.4
27.5°	6659.8	6635.2	6617.5	6592.9	6571.9	6554.2	6536.6	6494.3	6466.2	6427.5	6392.3
30°	6174.0	6170.5	6159.9	6149.4	6163.4	6163.4	6163.4	6156.5	6131.8	6103.6	6079.0
32.5°	5551.0	5558.1	5572.1	5582.7	5610.8	5642.6	5670.7	5684.7	5684.7	5667.2	5656.6
35°	4808.3	4818.9	4840.0	4868.1	4903.4	4942.0	5005.4	5019.6	5030.0	5030.0	5015.9
37.5°	4037.4	4033.9	4055.1	4079.7	4100.8	4128.9	4174.7	4185.3	4202.8	4195.9	4181.7
40°	3287.6	3270.1	3263.0	3270.1	3294.7	3284.1	3294.7	3287.6	3287.6	3263.0	3263.0
42.5°	2594.2	2573.2	2559.0	2548.5	2548.5	2523.8	2506.2	2488.7	2478.1	2460.4	2457.0
45°	1999.4	1974.6	1957.1	1950.0	1939.6	1907.9	1886.7	1865.5	1840.9	1834.0	1837.4
47.5°	1552.3	1527.7	1520.6	1503.0	1485.4	1467.8	1453.8	1429.1	1425.5	1411.5	1425.5
50°	1196.8	1189.8	1179.2	1172.1	1161.5	1147.5	1133.4	1119.4	1112.3	1112.3	1115.8
52.5°	929.3	932.8	922.2	911.6	904.7	904.7	887.0	883.5	883.5	869.5	883.5
55°	711.1	707.5	711.1	704.0	704.0	693.4	693.4	682.8	682.8	672.3	679.4
57.5°	521.0	528.0	521.0	524.5	531.6	521.0	517.4	506.8	513.9	506.8	510.4
60°	404.8	404.8	404.8	401.3	401.3	397.7	397.7	394.2	394.2	387.1	394.2
62.5°	299.2	302.7	302.7	302.7	306.3	302.7	299.2	302.7	299.2	299.2	302.7
65°	197.2	200.7	200.7	197.2	204.1	197.2	200.7	204.1	207.6	204.1	207.6
67.5°	133.7	133.7	137.4	140.8	137.4	140.8	144.3	140.8	144.3	151.4	144.3
70°	98.5	102.1	102.1	98.5	95.0	98.5	95.0	105.6	105.6	105.6	112.6
72.5°	63.3	63.3	59.8	59.8	59.8	59.8	59.8	70.4	63.3	59.8	66.9
75°	35.2	38.7	38.7	28.1	31.7	38.7	28.1	31.7	42.3	35.2	42.3
77.5°	21.2	21.2	21.2	21.2	21.2	21.2	28.1	24.6	24.6	24.6	28.1
80°	17.5	14.1	14.1	10.6	14.1	14.1	14.1	21.2	17.5	17.5	21.2
82.5°	7.1	7.1	3.5	0.0	7.1	7.1	7.1	7.1	7.1	7.1	14.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	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: P248682

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9
2.5°	7201.8	7201.8	7198.3	7191.4	7177.2	7177.2	7173.7	7163.1	7156.2	7152.6	7152.6
5°	7166.6	7152.6	7138.5	7099.8	7099.8	7092.7	7071.7	7057.5	7050.6	7032.9	7025.9
7.5°	7135.0	7092.7	7068.1	7043.5	7011.9	6997.7	6973.0	6962.5	6937.8	6920.3	6909.7
10°	7057.5	7029.4	6997.7	6959.0	6934.4	6906.2	6878.0	6857.0	6825.3	6807.6	6793.5
12.5°	7004.8	6962.5	6934.4	6892.1	6849.9	6825.3	6786.6	6761.9	6730.2	6695.0	6673.9
15°	6955.5	6909.7	6871.0	6825.3	6779.5	6751.4	6705.6	6677.5	6631.7	6596.5	6571.9
17.5°	6881.6	6842.8	6800.6	6744.3	6702.1	6666.9	6617.5	6582.4	6540.1	6494.3	6469.7
20°	6804.1	6758.3	6716.2	6659.8	6617.5	6575.3	6526.1	6487.4	6438.0	6395.8	6367.7
22.5°	6702.1	6649.2	6614.0	6557.7	6508.4	6462.8	6417.0	6371.2	6325.4	6290.2	6258.5
25°	6554.2	6497.8	6459.1	6413.3	6367.7	6332.5	6276.1	6248.0	6202.3	6170.5	6138.8
27.5°	6342.9	6300.8	6265.6	6219.8	6181.1	6153.0	6110.7	6082.6	6043.7	6015.6	5991.0
30°	6033.3	5998.1	5966.4	5920.6	5892.5	5867.9	5829.0	5804.4	5776.3	5744.6	5737.6
32.5°	5617.9	5589.7	5558.1	5526.4	5505.2	5491.2	5459.4	5445.4	5417.3	5399.6	5382.1
35°	4991.3	4966.7	4949.1	4935.1	4928.0	4931.5	4924.5	4938.6	4945.5	4942.0	4945.5
37.5°	4171.2	4157.0	4164.1	4174.7	4209.9	4255.7	4297.9	4361.2	4403.5	4445.8	4484.5
40°	3256.0	3266.6	3294.7	3358.0	3449.6	3551.7	3646.8	3766.4	3886.1	3970.6	4048.0
42.5°	2457.0	2488.7	2559.0	2650.5	2787.9	2939.1	3087.1	3263.0	3407.4	3548.1	3646.8
45°	1848.0	1890.2	1981.7	2108.5	2259.8	2435.8	2622.4	2819.5	2992.0	3136.3	3245.4
47.5°	1439.7	1478.4	1570.0	1703.7	1890.2	2073.3	2266.9	2471.0	2650.5	2791.4	2886.4
50°	1136.9	1186.2	1267.2	1408.0	1594.6	1788.2	1988.8	2189.4	2358.4	2478.1	2562.6
52.5°	894.1	939.9	1017.2	1165.2	1355.3	1548.8	1735.3	1932.5	2080.3	2196.5	2252.8
55°	693.4	735.7	816.6	939.9	1119.4	1309.5	1495.9	1665.0	1802.2	1886.7	1939.6
57.5°	528.0	559.7	616.1	739.2	901.2	1077.1	1235.6	1404.5	1510.1	1570.0	1605.0
60°	401.3	426.0	485.8	580.8	728.6	880.0	1013.8	1140.5	1225.0	1274.3	1309.5
62.5°	302.7	330.9	373.1	454.1	566.6	689.9	802.5	897.6	968.0	999.7	1024.3
65°	207.6	228.8	260.5	323.8	418.9	506.8	594.9	665.3	711.1	746.3	760.4
67.5°	154.9	168.9	186.6	235.9	302.7	373.1	432.9	482.2	531.6	545.6	570.3
70°	116.2	126.8	144.3	179.5	218.2	267.5	316.9	345.0	380.2	404.8	411.9
72.5°	73.9	77.4	95.0	116.2	147.8	179.5	211.2	235.9	257.0	271.1	278.0
75°	42.3	63.3	63.3	84.5	105.6	119.7	140.8	158.4	168.9	179.5	179.5
77.5°	28.1	38.7	42.3	52.7	63.3	81.0	98.5	109.1	119.7	123.2	123.2
80°	24.6	28.1	28.1	38.7	45.8	59.8	70.4	73.9	81.0	84.5	91.6
82.5°	10.6	14.1	17.5	28.1	31.7	31.7	42.3	45.8	52.7	56.4	56.4
85°	3.5	7.1	7.1	10.6	17.5	21.2	24.6	28.1	31.7	31.7	35.2
87.5°	3.5	3.5	0.0	3.5	7.1	7.1	14.1	14.1	14.1	21.2	21.2
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: P248682

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9	7208.9
2.5°	7145.6	7149.1	7135.0	7131.5	7124.4	7127.9	7135.0
5°	7015.3	7018.8	7004.8	6990.7	6990.7	6987.1	6990.7
7.5°	6892.1	6895.7	6874.5	6867.4	6853.4	6857.0	6857.0
10°	6768.9	6768.9	6737.3	6733.7	6723.1	6719.6	6719.6
12.5°	6649.2	6638.6	6614.0	6600.0	6607.1	6585.9	6585.9
15°	6543.6	6526.1	6494.3	6483.8	6466.2	6459.1	6459.1
17.5°	6434.5	6420.4	6392.3	6371.2	6350.0	6346.6	6350.0
20°	6328.9	6314.8	6279.6	6265.6	6248.0	6248.0	6240.9
22.5°	6223.3	6209.2	6177.6	6167.0	6142.4	6142.4	6145.9
25°	6114.2	6103.6	6068.4	6061.4	6057.9	6043.7	6050.8
27.5°	5966.4	5959.3	5931.2	5920.6	5906.5	5903.1	5910.0
30°	5695.3	5684.7	5663.7	5653.1	5628.5	5632.0	5638.9
32.5°	5357.4	5343.4	5315.1	5304.5	5283.5	5276.4	5279.9
35°	4935.1	4924.5	4899.9	4899.9	4878.7	4871.6	4878.7
37.5°	4505.6	4516.1	4505.6	4516.1	4505.6	4502.0	4505.6
40°	4100.8	4139.5	4146.5	4185.3	4171.2	4192.3	4188.8
42.5°	3713.6	3776.9	3801.6	3833.2	3826.3	3840.3	3850.9
45°	3322.8	3375.7	3400.3	3421.5	3424.9	3432.0	3435.5
47.5°	2953.2	2995.5	2999.0	3023.6	3020.1	3020.1	3030.7
50°	2608.4	2636.5	2643.4	2661.1	2647.1	2640.0	2643.4
52.5°	2288.0	2316.1	2309.0	2316.1	2298.6	2291.5	2295.0
55°	1960.6	1974.6	1974.6	1974.6	1953.6	1953.6	1953.6
57.5°	1626.2	1629.8	1622.7	1626.2	1622.7	1601.6	1598.1
60°	1320.1	1320.1	1316.4	1320.1	1309.5	1298.9	1298.9
62.5°	1031.3	1038.4	1052.4	1038.4	1031.3	1038.4	1027.8
65°	770.9	785.0	781.4	788.5	785.0	785.0	777.9
67.5°	580.8	584.3	587.8	591.4	591.4	591.4	591.4
70°	426.0	436.5	432.9	432.9	432.9	432.9	454.1
72.5°	285.1	299.2	295.7	302.7	302.7	309.8	302.7
75°	193.6	207.6	200.7	211.2	207.6	200.7	218.2
77.5°	130.3	137.4	140.8	144.3	140.8	137.4	140.8
80°	91.6	98.5	95.0	98.5	98.5	98.5	102.1
82.5°	56.4	66.9	63.3	66.9	63.3	66.9	66.9
85°	38.7	42.3	35.2	42.3	38.7	38.7	45.8
87.5°	24.6	21.2	21.2	24.6	21.2	24.6	21.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)