

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: P248574

Luminaire Tested: **LSR8B120D010 EC8B120840 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248574
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12251.0 lumens
Efficiency: N/A
Efficacy: 103.6 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

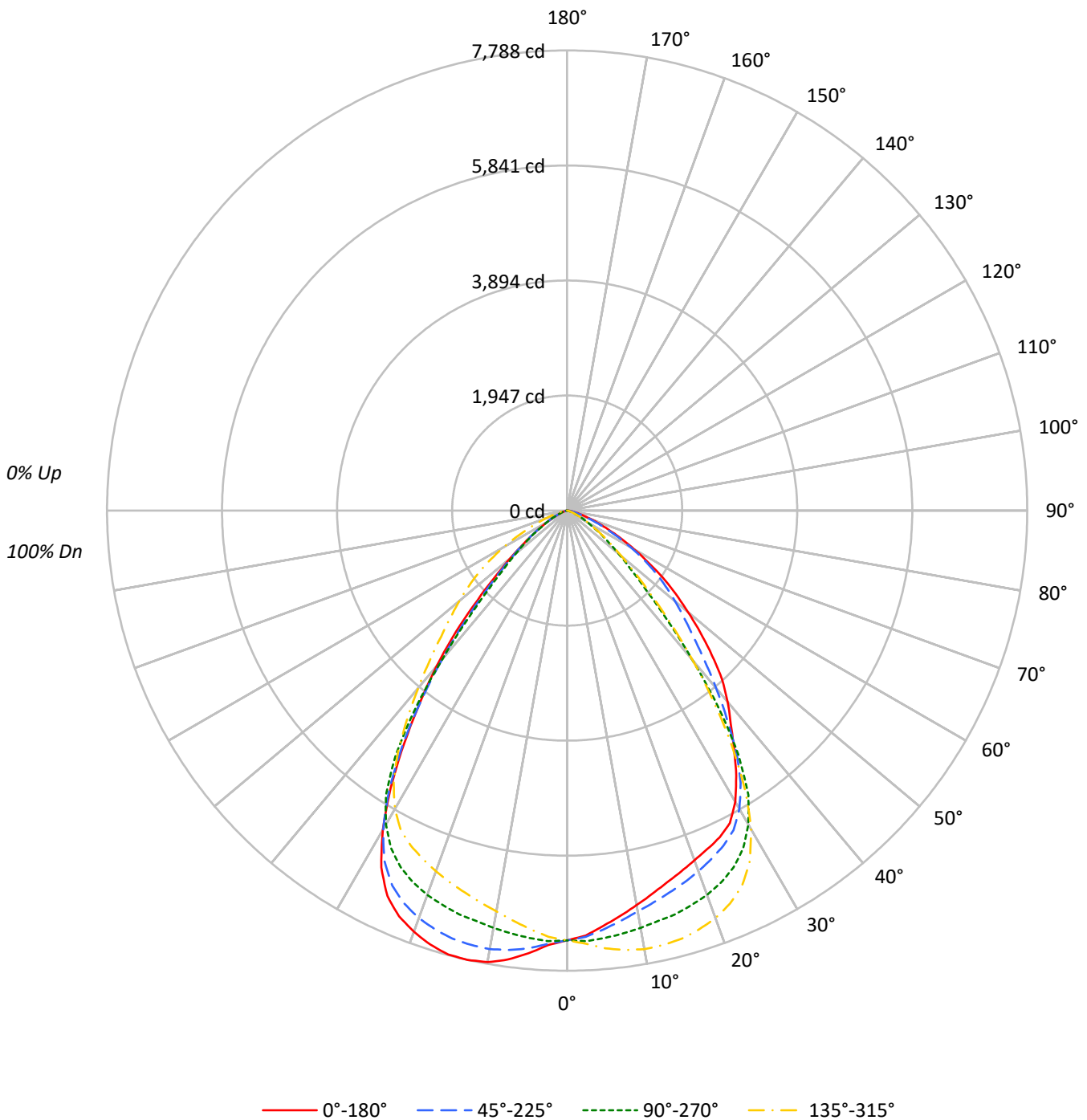
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	224273	224273	224273	224273
5°	218316	224801	232827	224801
10°	212277	224507	242966	224507
15°	208037	225837	248283	225837
20°	206618	227131	248924	227131
25°	207707	226675	244923	226675
30°	202570	218376	222300	218376
35°	185288	190498	180745	190498
40°	170113	132516	138381	132516
45°	151154	80843	93542	80843
50°	127939	54003	59971	54003
55°	105964	36848	38945	36848
60°	80816	24527	24743	24527
65°	57263	15286	13995	15286
70°	41302	10242	9295	10242
75°	26223	5087	4230	5087
80°	18308	3782	3143	3782
85°	16346	0	1238	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.3	5.7
10°-20°	2004.6	16.4
20°-30°	3035.5	24.8
30°-40°	3042.3	24.8
40°-50°	1910.4	15.6
50°-60°	1018.0	8.3
60°-70°	418.6	3.4
70°-80°	110.6	0.9
80°-90°	18.7	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°	5732.4	46.8
0°-40°	8774.6	71.6
0°-60°	11703.0	95.5
0°-90°	12251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12251.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7273	7273	7273	7273	7273	
5°	7053	7262	7522	7262	7053	665
15°	6517	7074	7777	7074	6517	1843
25°	6105	6662	7198	6662	6105	2800
35°	4922	5060	4801	5060	4922	3084
45°	3466	1854	2145	1854	3466	2666
55°	1971	685	724	685	1971	1757
65°	785	210	192	210	785	814
75°	220	43	36	43	220	249
85°	46	0	4	0	46	51
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°	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0
2.5°	7198.5	7191.3	7187.8	7195.0	7198.5	7212.7	7209.2	7216.2	7216.2	7219.8	7226.8
5°	7052.9	7049.2	7052.9	7052.9	7067.1	7081.3	7077.7	7088.4	7095.4	7113.3	7120.3
7.5°	6918.0	6918.0	6914.3	6928.5	6935.7	6957.0	6953.3	6971.2	6981.9	6999.5	7024.4
10°	6779.4	6779.4	6782.9	6793.6	6797.2	6829.1	6829.1	6854.0	6868.1	6886.0	6918.0
12.5°	6644.5	6644.5	6665.8	6658.7	6672.8	6697.7	6708.4	6733.2	6754.6	6790.1	6822.1
15°	6516.6	6516.6	6523.7	6541.4	6552.1	6584.1	6601.8	6630.3	6655.2	6690.7	6736.9
17.5°	6406.5	6403.0	6406.5	6427.9	6449.2	6477.6	6491.7	6527.3	6552.1	6598.3	6641.0
20°	6296.4	6303.6	6303.6	6321.3	6335.5	6371.0	6385.2	6424.3	6452.7	6495.2	6545.1
22.5°	6200.6	6197.0	6197.0	6221.9	6232.6	6264.4	6278.6	6314.1	6346.1	6381.7	6427.9
25°	6104.7	6097.5	6111.8	6115.3	6122.3	6157.9	6168.5	6193.4	6225.4	6257.4	6303.6
27.5°	5962.6	5955.6	5959.1	5973.3	5983.9	6012.3	6019.4	6044.3	6069.1	6097.5	6136.7
30°	5689.1	5682.1	5678.6	5703.4	5714.1	5735.3	5746.0	5788.6	5795.7	5827.7	5856.0
32.5°	5326.9	5323.4	5330.5	5351.7	5362.4	5390.9	5405.1	5429.9	5447.6	5465.4	5493.8
35°	4922.1	4915.0	4922.1	4943.5	4943.5	4968.3	4979.0	4989.5	4986.0	4989.5	4982.5
37.5°	4545.7	4542.1	4545.7	4556.2	4545.7	4556.2	4545.7	4524.4	4485.3	4442.7	4400.0
40°	4226.0	4229.5	4208.3	4222.5	4183.4	4176.3	4137.3	4084.0	4005.9	3920.7	3799.9
42.5°	3885.2	3874.5	3860.3	3867.3	3835.5	3810.5	3746.6	3679.2	3579.7	3437.7	3292.0
45°	3466.1	3462.6	3455.4	3451.9	3430.6	3405.7	3352.4	3274.3	3164.2	3018.6	2844.5
47.5°	3057.7	3047.0	3047.0	3050.5	3025.7	3022.1	2979.5	2912.1	2816.2	2674.1	2493.0
50°	2666.9	2663.4	2670.6	2684.8	2666.9	2659.9	2631.6	2585.4	2500.2	2379.4	2208.8
52.5°	2315.4	2311.9	2319.0	2336.7	2329.6	2336.7	2308.4	2272.9	2216.0	2098.8	1949.7
55°	1971.0	1971.0	1971.0	1992.2	1992.2	1992.2	1978.0	1956.8	1903.5	1818.3	1679.8
57.5°	1612.3	1615.8	1637.1	1640.7	1637.1	1644.3	1640.7	1619.3	1583.9	1523.6	1417.0
60°	1310.4	1310.4	1321.1	1331.8	1328.1	1331.8	1331.8	1321.1	1285.6	1235.9	1150.7
62.5°	1037.0	1047.6	1040.5	1047.6	1061.8	1047.6	1040.5	1033.4	1008.6	976.6	905.5
65°	784.8	792.0	792.0	795.5	788.3	792.0	777.8	767.1	752.9	717.4	671.2
67.5°	596.7	596.7	596.7	596.7	593.0	589.5	586.0	575.3	550.5	536.3	486.5
70°	458.1	436.8	436.8	436.8	436.8	440.4	429.8	415.6	408.4	383.6	348.0
72.5°	305.4	312.5	305.4	305.4	298.3	301.8	287.7	280.5	273.5	259.3	238.0
75°	220.1	202.5	209.5	213.1	202.5	209.5	195.3	181.1	181.1	170.4	159.8
77.5°	142.1	138.6	142.1	145.6	142.1	138.6	131.4	124.2	124.2	120.7	110.1
80°	103.1	99.4	99.4	99.4	95.9	99.4	92.4	92.4	85.2	81.7	74.5
82.5°	67.5	67.5	63.9	67.5	63.9	67.5	56.9	56.9	56.9	53.2	46.2
85°	46.2	39.0	39.0	42.7	35.5	42.7	39.0	35.5	32.0	32.0	28.4
87.5°	21.3	24.8	21.3	24.8	21.3	21.3	24.8	21.3	21.3	14.2	14.2
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°	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0
2.5°	7237.5	7241.0	7241.0	7255.3	7262.4	7265.9	7265.9	7294.4	7283.7	7290.9	7297.9
5°	7134.6	7155.8	7163.0	7163.0	7202.0	7216.2	7230.3	7262.4	7265.9	7287.2	7312.1
7.5°	7035.1	7059.9	7074.2	7106.1	7130.9	7155.8	7198.5	7219.8	7241.0	7269.5	7301.4
10°	6939.2	6967.7	6996.0	7020.9	7059.9	7091.9	7120.3	7170.0	7195.0	7234.0	7276.5
12.5°	6846.9	6886.0	6910.8	6953.3	6996.0	7024.4	7067.1	7113.3	7152.3	7191.3	7241.0
15°	6765.2	6811.4	6839.8	6886.0	6932.2	6971.2	7017.4	7074.2	7102.6	7148.8	7195.0
17.5°	6676.3	6726.2	6761.7	6804.3	6861.1	6903.6	6942.8	6999.5	7035.1	7084.8	7138.1
20°	6584.1	6633.8	6676.3	6719.0	6775.9	6818.4	6864.6	6921.5	6960.5	7010.2	7052.9
22.5°	6474.0	6520.2	6566.3	6616.0	6672.8	6708.4	6761.7	6811.4	6854.0	6900.1	6942.8
25°	6332.0	6388.8	6424.3	6470.4	6516.6	6555.6	6612.5	6662.2	6697.7	6740.4	6779.4
27.5°	6165.0	6207.7	6236.1	6275.1	6321.3	6356.8	6399.3	6449.2	6484.7	6523.7	6552.1
30°	5880.9	5920.0	5944.9	5973.3	6019.4	6051.5	6087.0	6133.0	6157.9	6186.4	6211.2
32.5°	5508.0	5540.0	5554.2	5575.5	5607.5	5639.4	5667.9	5706.9	5717.6	5735.3	5735.3
35°	4968.3	4975.3	4971.8	4979.0	4993.2	5010.8	5035.7	5060.5	5074.7	5074.7	5064.2
37.5°	4336.1	4293.6	4247.4	4211.9	4201.2	4194.0	4208.3	4218.9	4233.2	4240.2	4222.5
40°	3679.2	3583.3	3480.3	3387.9	3324.0	3295.6	3285.0	3292.0	3292.0	3316.8	3316.8
42.5°	3114.5	2965.3	2812.7	2674.1	2581.7	2510.8	2478.8	2478.8	2482.3	2500.2	2510.8
45°	2645.7	2457.5	2279.9	2127.3	1999.4	1907.0	1864.4	1853.8	1850.3	1857.3	1882.1
47.5°	2287.0	2091.7	1907.0	1718.9	1583.9	1491.6	1452.5	1438.2	1424.0	1438.2	1441.9
50°	2006.5	1804.1	1608.8	1420.5	1278.4	1196.7	1147.0	1125.7	1122.2	1122.2	1129.3
52.5°	1750.7	1562.6	1367.3	1175.5	1026.3	948.2	902.0	891.4	877.2	891.4	891.4
55°	1509.2	1321.1	1129.3	948.2	823.8	742.3	699.6	685.4	678.2	688.9	688.9
57.5°	1246.6	1086.7	909.2	745.8	621.5	564.7	532.7	515.0	511.3	518.5	511.3
60°	1022.8	887.9	735.1	586.0	490.1	429.8	404.9	397.7	390.6	397.7	397.7
62.5°	809.7	696.1	571.7	458.1	376.4	333.9	305.4	305.4	301.8	301.8	305.4
65°	600.2	511.3	422.6	326.7	262.8	230.8	209.5	209.5	206.0	209.5	206.0
67.5°	436.8	376.4	305.4	238.0	188.3	170.4	156.3	145.6	152.8	145.6	142.1
70°	319.7	269.8	220.1	181.1	145.6	127.9	117.2	113.6	106.6	106.6	106.6
72.5°	213.1	181.1	149.1	117.2	95.9	78.1	74.5	67.5	60.4	63.9	71.0
75°	142.1	120.7	106.6	85.2	63.9	63.9	42.7	42.7	35.5	42.7	32.0
77.5°	99.4	81.7	63.9	53.2	42.7	39.0	28.4	28.4	24.8	24.8	24.8
80°	71.0	60.4	46.2	39.0	28.4	28.4	24.8	21.3	17.7	17.7	21.3
82.5°	42.7	32.0	32.0	28.4	17.7	14.2	10.7	14.2	7.2	7.2	7.2
85°	24.8	21.3	17.7	10.7	7.2	7.2	3.5	0.0	3.5	3.5	0.0
87.5°	14.2	7.2	7.2	3.5	0.0	3.5	3.5	0.0	0.0	0.0	7.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0
2.5°	7315.7	7312.1	7319.2	7319.2	7340.6	7336.9	7347.6	7347.6	7340.6	7344.1	7358.3
5°	7340.6	7351.2	7372.4	7390.3	7422.1	7436.5	7454.1	7472.0	7475.5	7486.2	7496.8
7.5°	7340.6	7376.1	7400.9	7432.8	7475.5	7500.3	7539.4	7571.4	7585.6	7603.2	7624.6
10°	7326.2	7361.8	7407.9	7443.5	7496.8	7535.9	7574.9	7624.6	7645.9	7674.3	7702.8
12.5°	7297.9	7336.9	7386.6	7432.8	7493.2	7528.7	7578.4	7624.6	7656.6	7695.6	7727.6
15°	7255.3	7301.4	7347.6	7393.8	7457.6	7500.3	7546.5	7599.7	7631.7	7674.3	7702.8
17.5°	7187.8	7237.5	7280.2	7322.7	7383.1	7432.8	7475.5	7525.2	7557.2	7592.7	7631.7
20°	7106.1	7152.3	7198.5	7234.0	7294.4	7336.9	7383.1	7429.3	7454.1	7461.3	7521.7
22.5°	7003.2	7035.1	7070.6	7127.4	7163.0	7202.0	7244.7	7287.2	7312.1	7351.2	7372.4
25°	6832.6	6864.6	6903.6	6928.5	6971.2	7003.2	7045.7	7091.9	7106.1	7134.6	7155.8
27.5°	6594.8	6612.5	6630.3	6651.5	6676.3	6694.2	6719.0	6740.4	6754.6	6768.7	6782.9
30°	6218.2	6218.2	6218.2	6204.1	6214.7	6225.4	6228.9	6225.4	6225.4	6221.9	6221.9
32.5°	5721.1	5692.7	5660.7	5632.4	5621.7	5607.5	5600.4	5589.7	5572.0	5561.3	5564.8
35°	5049.9	4986.0	4947.0	4911.4	4883.1	4861.7	4851.1	4840.4	4836.9	4822.7	4808.4
37.5°	4211.9	4165.7	4137.3	4116.0	4091.1	4069.8	4073.3	4076.9	4087.5	4080.4	4084.0
40°	3324.0	3313.3	3324.0	3299.1	3292.0	3299.1	3316.8	3341.8	3356.0	3370.2	3395.0
42.5°	2528.5	2546.2	2571.2	2571.2	2581.7	2596.0	2617.2	2656.4	2677.6	2702.5	2731.0
45°	1903.5	1924.8	1956.8	1967.4	1974.5	1992.2	2017.2	2049.1	2063.2	2084.6	2109.4
47.5°	1466.7	1480.9	1498.6	1516.4	1534.1	1541.3	1566.1	1566.1	1583.9	1598.1	1605.1
50°	1143.5	1157.7	1171.9	1182.5	1189.7	1200.4	1207.4	1218.1	1221.6	1228.7	1232.2
52.5°	894.9	912.7	912.7	919.7	930.4	941.1	937.6	941.1	944.6	944.6	955.2
55°	699.6	699.6	710.3	710.3	717.4	713.8	717.4	717.4	717.4	717.4	720.9
57.5°	522.0	525.6	536.3	529.1	525.6	532.7	525.6	532.7	529.1	536.3	525.6
60°	401.2	401.2	404.9	404.9	408.4	408.4	408.4	404.9	404.9	401.2	401.2
62.5°	301.8	305.4	309.0	305.4	305.4	305.4	301.8	301.8	298.3	294.7	294.7
65°	202.5	198.9	206.0	198.9	202.5	202.5	198.9	202.5	191.8	195.3	191.8
67.5°	145.6	142.1	138.6	142.1	138.6	134.9	134.9	138.6	142.1	131.4	131.4
70°	95.9	99.4	95.9	99.4	103.1	103.1	99.4	95.9	99.4	92.4	95.9
72.5°	60.4	60.4	60.4	60.4	60.4	63.9	63.9	63.9	56.9	56.9	53.2
75°	28.4	39.0	32.0	28.4	39.0	39.0	35.5	35.5	32.0	32.0	32.0
77.5°	28.4	21.3	21.3	21.3	21.3	21.3	21.3	21.3	17.7	21.3	17.7
80°	14.2	14.2	14.2	10.7	14.2	14.2	17.7	14.2	14.2	10.7	17.7
82.5°	7.2	7.2	7.2	0.0	3.5	7.2	7.2	3.5	7.2	7.2	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: P248574

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0
2.5°	7354.7	7351.2	7354.7	7358.3	7354.7	7351.2	7354.7	7358.3	7344.1	7340.6	7347.6
5°	7511.0	7511.0	7518.0	7521.7	7518.0	7511.0	7511.0	7496.8	7486.2	7475.5	7472.0
7.5°	7645.9	7653.1	7660.1	7663.6	7660.1	7653.1	7645.9	7624.6	7603.2	7585.6	7571.4
10°	7727.6	7738.3	7752.5	7759.5	7752.5	7738.3	7727.6	7702.8	7674.3	7645.9	7624.6
12.5°	7763.2	7773.8	7791.5	7788.0	7791.5	7773.8	7763.2	7727.6	7695.6	7656.6	7624.6
15°	7738.3	7752.5	7770.2	7777.3	7770.2	7752.5	7738.3	7702.8	7674.3	7631.7	7599.7
17.5°	7660.1	7681.4	7692.1	7702.8	7692.1	7681.4	7660.1	7631.7	7592.7	7557.2	7525.2
20°	7553.5	7567.9	7582.0	7585.6	7582.0	7567.9	7553.5	7521.7	7461.3	7454.1	7429.3
22.5°	7400.9	7411.6	7443.5	7432.8	7443.5	7411.6	7400.9	7372.4	7351.2	7312.1	7287.2
25°	7180.6	7191.3	7195.0	7198.5	7195.0	7191.3	7180.6	7155.8	7134.6	7106.1	7091.9
27.5°	6800.7	6800.7	6807.8	6811.4	6807.8	6800.7	6800.7	6782.9	6768.7	6754.6	6740.4
30°	6225.4	6225.4	6225.4	6243.2	6225.4	6225.4	6225.4	6221.9	6221.9	6225.4	6225.4
32.5°	5561.3	5554.2	5547.2	5554.2	5547.2	5554.2	5561.3	5564.8	5561.3	5572.0	5589.7
35°	4808.4	4804.9	4815.6	4801.4	4815.6	4804.9	4808.4	4808.4	4822.7	4836.9	4840.4
37.5°	4087.5	4080.4	4094.6	4080.4	4094.6	4080.4	4087.5	4084.0	4080.4	4087.5	4076.9
40°	3402.2	3409.2	3409.2	3437.7	3409.2	3409.2	3402.2	3395.0	3370.2	3356.0	3341.8
42.5°	2745.1	2766.5	2759.3	2780.7	2759.3	2766.5	2745.1	2731.0	2702.5	2677.6	2656.4
45°	2123.6	2137.9	2137.9	2145.0	2137.9	2137.9	2123.6	2109.4	2084.6	2063.2	2049.1
47.5°	1630.0	1630.0	1630.0	1633.6	1630.0	1630.0	1630.0	1605.1	1598.1	1583.9	1566.1
50°	1239.4	1242.9	1246.6	1250.1	1246.6	1242.9	1239.4	1232.2	1228.7	1221.6	1218.1
52.5°	951.7	955.2	948.2	955.2	948.2	955.2	951.7	955.2	944.6	944.6	941.1
55°	720.9	717.4	720.9	724.4	720.9	717.4	720.9	720.9	717.4	717.4	717.4
57.5°	529.1	522.0	522.0	522.0	522.0	522.0	529.1	525.6	536.3	529.1	532.7
60°	394.2	397.7	397.7	401.2	397.7	397.7	394.2	401.2	401.2	404.9	404.9
62.5°	291.2	301.8	294.7	301.8	294.7	301.8	291.2	294.7	294.7	298.3	301.8
65°	188.3	188.3	188.3	191.8	188.3	188.3	188.3	191.8	195.3	191.8	202.5
67.5°	127.9	131.4	138.6	134.9	138.6	131.4	127.9	131.4	131.4	142.1	138.6
70°	103.1	92.4	92.4	103.1	92.4	92.4	103.1	95.9	92.4	99.4	95.9
72.5°	60.4	53.2	60.4	60.4	60.4	53.2	60.4	53.2	56.9	56.9	63.9
75°	32.0	28.4	24.8	35.5	24.8	28.4	32.0	32.0	32.0	32.0	35.5
77.5°	21.3	17.7	24.8	24.8	24.8	17.7	21.3	17.7	21.3	17.7	21.3
80°	10.7	14.2	10.7	17.7	10.7	14.2	10.7	17.7	10.7	14.2	14.2
82.5°	3.5	7.2	7.2	7.2	7.2	7.2	3.5	3.5	7.2	7.2	3.5
85°	0.0	7.2	3.5	3.5	3.5	7.2	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: P248574

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0
2.5°	7347.6	7336.9	7340.6	7319.2	7319.2	7312.1	7315.7	7297.9	7290.9	7283.7	7294.4
5°	7454.1	7436.5	7422.1	7390.3	7372.4	7351.2	7340.6	7312.1	7287.2	7265.9	7262.4
7.5°	7539.4	7500.3	7475.5	7432.8	7400.9	7376.1	7340.6	7301.4	7269.5	7241.0	7219.8
10°	7574.9	7535.9	7496.8	7443.5	7407.9	7361.8	7326.2	7276.5	7234.0	7195.0	7170.0
12.5°	7578.4	7528.7	7493.2	7432.8	7386.6	7336.9	7297.9	7241.0	7191.3	7152.3	7113.3
15°	7546.5	7500.3	7457.6	7393.8	7347.6	7301.4	7255.3	7195.0	7148.8	7102.6	7074.2
17.5°	7475.5	7432.8	7383.1	7322.7	7280.2	7237.5	7187.8	7138.1	7084.8	7035.1	6999.5
20°	7383.1	7336.9	7294.4	7234.0	7198.5	7152.3	7106.1	7052.9	7010.2	6960.5	6921.5
22.5°	7244.7	7202.0	7163.0	7127.4	7070.6	7035.1	7003.2	6942.8	6900.1	6854.0	6811.4
25°	7045.7	7003.2	6971.2	6928.5	6903.6	6864.6	6832.6	6779.4	6740.4	6697.7	6662.2
27.5°	6719.0	6694.2	6676.3	6651.5	6630.3	6612.5	6594.8	6552.1	6523.7	6484.7	6449.2
30°	6228.9	6225.4	6214.7	6204.1	6218.2	6218.2	6218.2	6211.2	6186.4	6157.9	6133.0
32.5°	5600.4	5607.5	5621.7	5632.4	5660.7	5692.7	5721.1	5735.3	5735.3	5717.6	5706.9
35°	4851.1	4861.7	4883.1	4911.4	4947.0	4986.0	5049.9	5064.2	5074.7	5074.7	5060.5
37.5°	4073.3	4069.8	4091.1	4116.0	4137.3	4165.7	4211.9	4222.5	4240.2	4233.2	4218.9
40°	3316.8	3299.1	3292.0	3299.1	3324.0	3313.3	3324.0	3316.8	3316.8	3292.0	3292.0
42.5°	2617.2	2596.0	2581.7	2571.2	2571.2	2546.2	2528.5	2510.8	2500.2	2482.3	2478.8
45°	2017.2	1992.2	1974.5	1967.4	1956.8	1924.8	1903.5	1882.1	1857.3	1850.3	1853.8
47.5°	1566.1	1541.3	1534.1	1516.4	1498.6	1480.9	1466.7	1441.9	1438.2	1424.0	1438.2
50°	1207.4	1200.4	1189.7	1182.5	1171.9	1157.7	1143.5	1129.3	1122.2	1122.2	1125.7
52.5°	937.6	941.1	930.4	919.7	912.7	912.7	894.9	891.4	891.4	877.2	891.4
55°	717.4	713.8	717.4	710.3	710.3	699.6	699.6	688.9	688.9	678.2	685.4
57.5°	525.6	532.7	525.6	529.1	536.3	525.6	522.0	511.3	518.5	511.3	515.0
60°	408.4	408.4	408.4	404.9	404.9	401.2	401.2	397.7	397.7	390.6	397.7
62.5°	301.8	305.4	305.4	305.4	309.0	305.4	301.8	305.4	301.8	301.8	305.4
65°	198.9	202.5	202.5	198.9	206.0	198.9	202.5	206.0	209.5	206.0	209.5
67.5°	134.9	134.9	138.6	142.1	138.6	142.1	145.6	142.1	145.6	152.8	145.6
70°	99.4	103.1	103.1	99.4	95.9	99.4	95.9	106.6	106.6	106.6	113.6
72.5°	63.9	63.9	60.4	60.4	60.4	60.4	60.4	71.0	63.9	60.4	67.5
75°	35.5	39.0	39.0	28.4	32.0	39.0	28.4	32.0	42.7	35.5	42.7
77.5°	21.3	21.3	21.3	21.3	21.3	21.3	28.4	24.8	24.8	24.8	28.4
80°	17.7	14.2	14.2	10.7	14.2	14.2	14.2	21.3	17.7	17.7	21.3
82.5°	7.2	7.2	3.5	0.0	7.2	7.2	7.2	7.2	7.2	7.2	14.2
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	7.2	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: P248574

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0
2.5°	7265.9	7265.9	7262.4	7255.3	7241.0	7241.0	7237.5	7226.8	7219.8	7216.2	7216.2
5°	7230.3	7216.2	7202.0	7163.0	7163.0	7155.8	7134.6	7120.3	7113.3	7095.4	7088.4
7.5°	7198.5	7155.8	7130.9	7106.1	7074.2	7059.9	7035.1	7024.4	6999.5	6981.9	6971.2
10°	7120.3	7091.9	7059.9	7020.9	6996.0	6967.7	6939.2	6918.0	6886.0	6868.1	6854.0
12.5°	7067.1	7024.4	6996.0	6953.3	6910.8	6886.0	6846.9	6822.1	6790.1	6754.6	6733.2
15°	7017.4	6971.2	6932.2	6886.0	6839.8	6811.4	6765.2	6736.9	6690.7	6655.2	6630.3
17.5°	6942.8	6903.6	6861.1	6804.3	6761.7	6726.2	6676.3	6641.0	6598.3	6552.1	6527.3
20°	6864.6	6818.4	6775.9	6719.0	6676.3	6633.8	6584.1	6545.1	6495.2	6452.7	6424.3
22.5°	6761.7	6708.4	6672.8	6616.0	6566.3	6520.2	6474.0	6427.9	6381.7	6346.1	6314.1
25°	6612.5	6555.6	6516.6	6470.4	6424.3	6388.8	6332.0	6303.6	6257.4	6225.4	6193.4
27.5°	6399.3	6356.8	6321.3	6275.1	6236.1	6207.7	6165.0	6136.7	6097.5	6069.1	6044.3
30°	6087.0	6051.5	6019.4	5973.3	5944.9	5920.0	5880.9	5856.0	5827.7	5795.7	5788.6
32.5°	5667.9	5639.4	5607.5	5575.5	5554.2	5540.0	5508.0	5493.8	5465.4	5447.6	5429.9
35°	5035.7	5010.8	4993.2	4979.0	4971.8	4975.3	4968.3	4982.5	4989.5	4986.0	4989.5
37.5°	4208.3	4194.0	4201.2	4211.9	4247.4	4293.6	4336.1	4400.0	4442.7	4485.3	4524.4
40°	3285.0	3295.6	3324.0	3387.9	3480.3	3583.3	3679.2	3799.9	3920.7	4005.9	4084.0
42.5°	2478.8	2510.8	2581.7	2674.1	2812.7	2965.3	3114.5	3292.0	3437.7	3579.7	3679.2
45°	1864.4	1907.0	1999.4	2127.3	2279.9	2457.5	2645.7	2844.5	3018.6	3164.2	3274.3
47.5°	1452.5	1491.6	1583.9	1718.9	1907.0	2091.7	2287.0	2493.0	2674.1	2816.2	2912.1
50°	1147.0	1196.7	1278.4	1420.5	1608.8	1804.1	2006.5	2208.8	2379.4	2500.2	2585.4
52.5°	902.0	948.2	1026.3	1175.5	1367.3	1562.6	1750.7	1949.7	2098.8	2216.0	2272.9
55°	699.6	742.3	823.8	948.2	1129.3	1321.1	1509.2	1679.8	1818.3	1903.5	1956.8
57.5°	532.7	564.7	621.5	745.8	909.2	1086.7	1246.6	1417.0	1523.6	1583.9	1619.3
60°	404.9	429.8	490.1	586.0	735.1	887.9	1022.8	1150.7	1235.9	1285.6	1321.1
62.5°	305.4	333.9	376.4	458.1	571.7	696.1	809.7	905.5	976.6	1008.6	1033.4
65°	209.5	230.8	262.8	326.7	422.6	511.3	600.2	671.2	717.4	752.9	767.1
67.5°	156.3	170.4	188.3	238.0	305.4	376.4	436.8	486.5	536.3	550.5	575.3
70°	117.2	127.9	145.6	181.1	220.1	269.8	319.7	348.0	383.6	408.4	415.6
72.5°	74.5	78.1	95.9	117.2	149.1	181.1	213.1	238.0	259.3	273.5	280.5
75°	42.7	63.9	63.9	85.2	106.6	120.7	142.1	159.8	170.4	181.1	181.1
77.5°	28.4	39.0	42.7	53.2	63.9	81.7	99.4	110.1	120.7	124.2	124.2
80°	24.8	28.4	28.4	39.0	46.2	60.4	71.0	74.5	81.7	85.2	92.4
82.5°	10.7	14.2	17.7	28.4	32.0	32.0	42.7	46.2	53.2	56.9	56.9
85°	3.5	7.2	7.2	10.7	17.7	21.3	24.8	28.4	32.0	32.0	35.5
87.5°	3.5	3.5	0.0	3.5	7.2	7.2	14.2	14.2	14.2	21.3	21.3
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: P248574

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0	7273.0
2.5°	7209.2	7212.7	7198.5	7195.0	7187.8	7191.3	7198.5
5°	7077.7	7081.3	7067.1	7052.9	7052.9	7049.2	7052.9
7.5°	6953.3	6957.0	6935.7	6928.5	6914.3	6918.0	6918.0
10°	6829.1	6829.1	6797.2	6793.6	6782.9	6779.4	6779.4
12.5°	6708.4	6697.7	6672.8	6658.7	6665.8	6644.5	6644.5
15°	6601.8	6584.1	6552.1	6541.4	6523.7	6516.6	6516.6
17.5°	6491.7	6477.6	6449.2	6427.9	6406.5	6403.0	6406.5
20°	6385.2	6371.0	6335.5	6321.3	6303.6	6303.6	6296.4
22.5°	6278.6	6264.4	6232.6	6221.9	6197.0	6197.0	6200.6
25°	6168.5	6157.9	6122.3	6115.3	6111.8	6097.5	6104.7
27.5°	6019.4	6012.3	5983.9	5973.3	5959.1	5955.6	5962.6
30°	5746.0	5735.3	5714.1	5703.4	5678.6	5682.1	5689.1
32.5°	5405.1	5390.9	5362.4	5351.7	5330.5	5323.4	5326.9
35°	4979.0	4968.3	4943.5	4943.5	4922.1	4915.0	4922.1
37.5°	4545.7	4556.2	4545.7	4556.2	4545.7	4542.1	4545.7
40°	4137.3	4176.3	4183.4	4222.5	4208.3	4229.5	4226.0
42.5°	3746.6	3810.5	3835.5	3867.3	3860.3	3874.5	3885.2
45°	3352.4	3405.7	3430.6	3451.9	3455.4	3462.6	3466.1
47.5°	2979.5	3022.1	3025.7	3050.5	3047.0	3047.0	3057.7
50°	2631.6	2659.9	2666.9	2684.8	2670.6	2663.4	2666.9
52.5°	2308.4	2336.7	2329.6	2336.7	2319.0	2311.9	2315.4
55°	1978.0	1992.2	1992.2	1992.2	1971.0	1971.0	1971.0
57.5°	1640.7	1644.3	1637.1	1640.7	1637.1	1615.8	1612.3
60°	1331.8	1331.8	1328.1	1331.8	1321.1	1310.4	1310.4
62.5°	1040.5	1047.6	1061.8	1047.6	1040.5	1047.6	1037.0
65°	777.8	792.0	788.3	795.5	792.0	792.0	784.8
67.5°	586.0	589.5	593.0	596.7	596.7	596.7	596.7
70°	429.8	440.4	436.8	436.8	436.8	436.8	458.1
72.5°	287.7	301.8	298.3	305.4	305.4	312.5	305.4
75°	195.3	209.5	202.5	213.1	209.5	202.5	220.1
77.5°	131.4	138.6	142.1	145.6	142.1	138.6	142.1
80°	92.4	99.4	95.9	99.4	99.4	99.4	103.1
82.5°	56.9	67.5	63.9	67.5	63.9	67.5	67.5
85°	39.0	42.7	35.5	42.7	39.0	39.0	46.2
87.5°	24.8	21.3	21.3	24.8	21.3	24.8	21.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)