

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: P248964

Luminaire Tested: **LD8B200D010 ER8B2009727 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248964  
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: LD8B200D010 ER8B2009727 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11506.0 lumens  
Efficiency: N/A  
Efficacy: 51.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

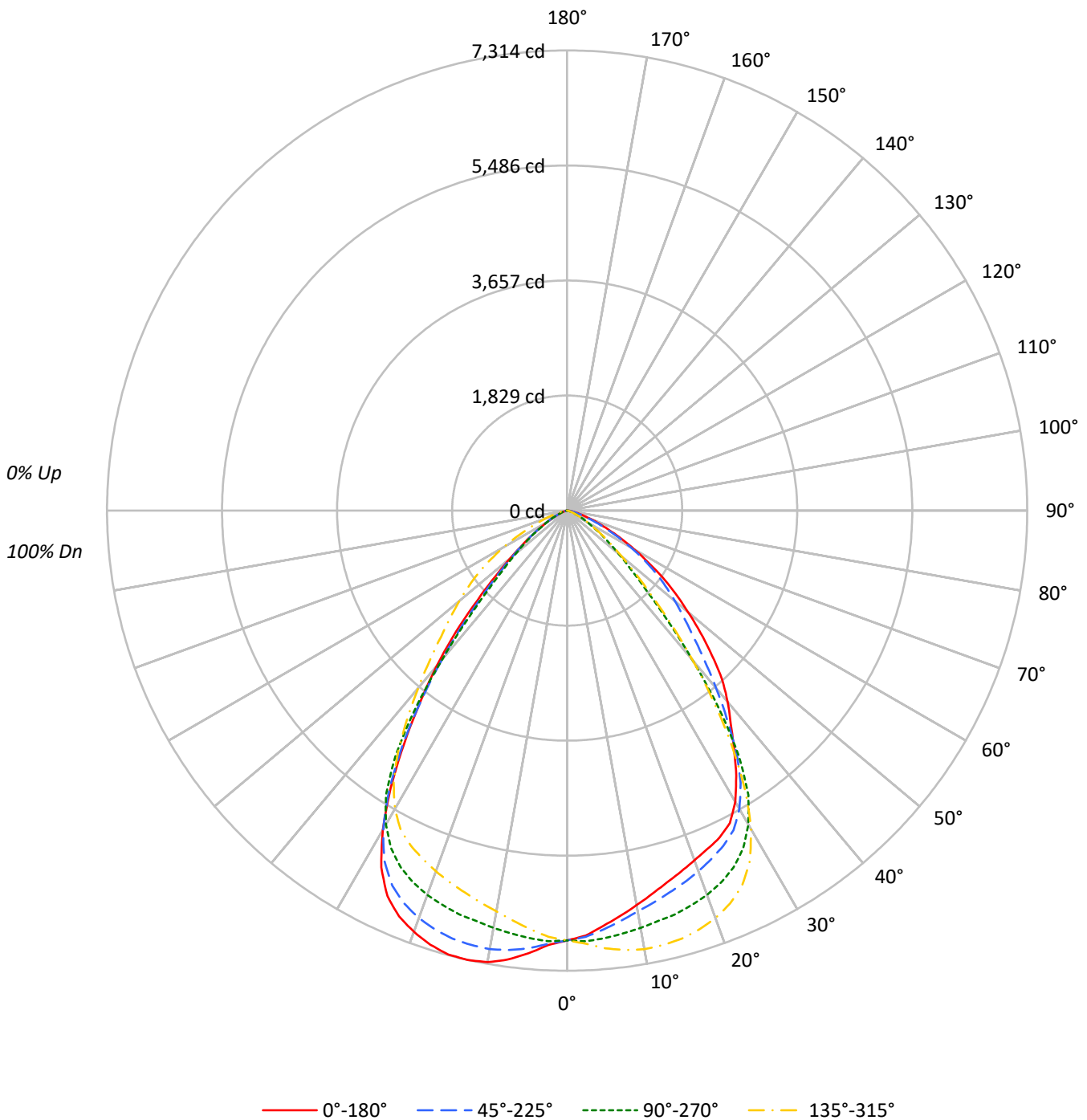
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	650.2	5.7
10°-20°	1882.7	16.4
20°-30°	2850.9	24.8
30°-40°	2857.3	24.8
40°-50°	1794.2	15.6
50°-60°	956.1	8.3
60°-70°	393.2	3.4
70°-80°	103.9	0.9
80°-90°	17.6	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°	5383.8	46.8
0°-40°	8241.0	71.6
0°-60°	10991.4	95.5
0°-90°	11506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11506.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6831	6831	6831	6831	6831	
5°	6624	6821	7064	6821	6624	625
15°	6120	6644	7304	6644	6120	1731
25°	5733	6257	6761	6257	5733	2630
35°	4623	4753	4509	4753	4623	2896
45°	3255	1741	2014	1741	3255	2504
55°	1851	644	680	644	1851	1650
65°	737	197	180	197	737	765
75°	207	40	33	40	207	234
85°	43	0	3	0	43	48
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°	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7
2.5°	6760.7	6754.0	6750.7	6757.4	6760.7	6774.0	6770.8	6777.3	6777.3	6780.8	6787.4
5°	6624.0	6620.6	6624.0	6624.0	6637.3	6650.6	6647.3	6657.4	6663.9	6680.7	6687.3
7.5°	6497.3	6497.3	6493.9	6507.2	6513.9	6533.9	6530.5	6547.3	6557.3	6573.9	6597.2
10°	6367.1	6367.1	6370.4	6380.5	6383.9	6413.8	6413.8	6437.2	6450.5	6467.2	6497.3
12.5°	6240.4	6240.4	6260.5	6253.7	6267.1	6290.4	6300.4	6323.8	6343.8	6377.2	6407.2
15°	6120.3	6120.3	6127.0	6143.6	6153.7	6183.7	6200.3	6227.1	6250.4	6283.8	6327.2
17.5°	6016.9	6013.6	6016.9	6037.0	6057.0	6083.6	6097.0	6130.3	6153.7	6197.0	6237.1
20°	5913.5	5920.3	5920.3	5936.9	5950.2	5983.6	5996.9	6033.7	6060.3	6100.3	6147.1
22.5°	5823.5	5820.2	5820.2	5843.5	5853.6	5883.5	5896.8	5930.2	5960.2	5993.6	6037.0
25°	5733.4	5726.7	5740.2	5743.5	5750.0	5783.4	5793.4	5816.8	5846.8	5876.9	5920.3
27.5°	5600.0	5593.4	5596.7	5610.0	5620.0	5646.7	5653.4	5676.7	5700.1	5726.7	5763.5
30°	5343.1	5336.5	5333.2	5356.6	5366.6	5386.5	5396.5	5436.6	5443.2	5473.3	5499.9
32.5°	5002.9	4999.6	5006.4	5026.3	5036.3	5063.1	5076.4	5099.7	5116.3	5133.1	5159.7
35°	4622.8	4616.1	4622.8	4642.8	4642.8	4666.2	4676.2	4686.1	4682.8	4686.1	4679.5
37.5°	4269.3	4265.9	4269.3	4279.2	4269.3	4279.2	4269.3	4249.2	4212.6	4172.5	4132.4
40°	3969.0	3972.3	3952.4	3965.7	3929.0	3922.4	3885.7	3835.6	3762.3	3682.3	3568.9
42.5°	3648.9	3638.9	3625.6	3632.1	3602.2	3578.7	3518.7	3455.5	3362.0	3228.7	3091.8
45°	3255.3	3252.0	3245.3	3242.0	3221.9	3198.6	3148.5	3075.2	2971.8	2835.1	2671.6
47.5°	2871.7	2861.7	2861.7	2865.0	2841.7	2838.4	2798.3	2735.0	2644.9	2511.5	2341.4
50°	2504.8	2501.5	2508.2	2521.5	2504.8	2498.2	2471.5	2428.2	2348.1	2234.7	2074.5
52.5°	2174.6	2171.3	2178.0	2194.6	2187.9	2194.6	2168.0	2134.6	2081.2	1971.1	1831.1
55°	1851.1	1851.1	1851.1	1871.1	1871.1	1871.1	1857.7	1837.8	1787.7	1707.7	1577.7
57.5°	1514.3	1517.5	1537.6	1540.9	1537.6	1544.3	1540.9	1520.8	1487.6	1430.9	1330.8
60°	1230.8	1230.8	1240.8	1250.8	1247.4	1250.8	1250.8	1240.8	1207.4	1160.7	1080.7
62.5°	973.9	983.9	977.2	983.9	997.2	983.9	977.2	970.6	947.3	917.2	850.5
65°	737.1	743.8	743.8	747.1	740.4	743.8	730.5	720.5	707.2	673.8	630.4
67.5°	560.4	560.4	560.4	560.4	557.0	553.7	550.4	540.4	517.0	503.7	456.9
70°	430.3	410.2	410.2	410.2	410.2	413.6	403.6	390.3	383.6	360.2	326.9
72.5°	286.8	293.5	286.8	286.8	280.2	283.5	270.2	263.4	256.9	243.5	223.5
75°	206.8	190.1	196.7	200.2	190.1	196.7	183.4	170.1	170.1	160.1	150.1
77.5°	133.4	130.1	133.4	136.7	133.4	130.1	123.4	116.7	116.7	113.4	103.4
80°	96.8	93.4	93.4	93.4	90.1	93.4	86.8	86.8	80.0	76.7	70.0
82.5°	63.4	63.4	60.0	63.4	60.0	63.4	53.4	53.4	53.4	50.0	43.4
85°	43.4	36.7	36.7	40.1	33.4	40.1	36.7	33.4	30.1	30.1	26.6
87.5°	20.0	23.3	20.0	23.3	20.0	20.0	23.3	20.0	20.0	13.3	13.3
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°	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7
2.5°	6797.4	6800.7	6800.7	6814.1	6820.7	6824.0	6824.0	6850.8	6840.8	6847.5	6854.1
5°	6700.7	6720.6	6727.4	6727.4	6764.0	6777.3	6790.7	6820.7	6824.0	6844.1	6867.4
7.5°	6607.2	6630.6	6644.0	6674.0	6697.3	6720.6	6760.7	6780.8	6800.7	6827.5	6857.4
10°	6517.2	6544.0	6570.6	6593.9	6630.6	6660.7	6687.3	6734.0	6757.4	6794.1	6834.0
12.5°	6430.6	6467.2	6490.6	6530.5	6570.6	6597.2	6637.3	6680.7	6717.4	6754.0	6800.7
15°	6353.8	6397.2	6423.8	6467.2	6510.6	6547.3	6590.6	6644.0	6670.7	6714.1	6757.4
17.5°	6270.4	6317.2	6350.5	6390.5	6443.9	6483.8	6520.6	6573.9	6607.2	6653.9	6704.0
20°	6183.7	6230.4	6270.4	6310.4	6363.8	6403.8	6447.2	6500.6	6537.2	6583.9	6624.0
22.5°	6080.3	6123.7	6167.0	6213.7	6267.1	6300.4	6350.5	6397.2	6437.2	6480.5	6520.6
25°	5946.9	6000.3	6033.7	6076.9	6120.3	6157.0	6210.4	6257.0	6290.4	6330.5	6367.1
27.5°	5790.1	5830.2	5856.8	5893.5	5936.9	5970.2	6010.2	6057.0	6090.4	6127.0	6153.7
30°	5523.2	5560.0	5583.4	5610.0	5653.4	5683.5	5716.8	5760.1	5783.4	5810.2	5833.5
32.5°	5173.0	5203.1	5216.4	5236.5	5266.5	5296.5	5323.2	5359.9	5369.9	5386.5	5386.5
35°	4666.2	4672.8	4669.5	4676.2	4689.5	4706.1	4729.5	4752.8	4766.1	4766.1	4756.2
37.5°	4072.4	4032.5	3989.1	3955.7	3945.7	3939.0	3952.4	3962.3	3975.8	3982.4	3965.7
40°	3455.5	3365.4	3268.6	3181.9	3121.9	3095.2	3085.2	3091.8	3091.8	3115.1	3115.1
42.5°	2925.1	2785.0	2641.6	2511.5	2424.7	2358.1	2328.1	2328.1	2331.4	2348.1	2358.1
45°	2484.9	2308.0	2141.2	1997.9	1877.8	1791.0	1751.1	1741.0	1737.8	1744.3	1767.7
47.5°	2148.0	1964.5	1791.0	1614.3	1487.6	1400.9	1364.2	1350.7	1337.4	1350.7	1354.2
50°	1884.5	1694.4	1511.0	1334.1	1200.7	1124.0	1077.3	1057.2	1053.9	1053.9	1060.7
52.5°	1644.3	1467.6	1284.2	1104.0	963.9	890.6	847.2	837.2	823.8	837.2	837.2
55°	1417.5	1240.8	1060.7	890.6	773.7	697.1	657.0	643.7	637.0	647.0	647.0
57.5°	1170.8	1020.6	853.9	700.4	583.7	530.3	500.3	483.7	480.2	486.9	480.2
60°	960.6	833.9	690.4	550.4	460.3	403.6	380.3	373.6	366.8	373.6	373.6
62.5°	760.4	653.8	536.9	430.3	353.5	313.6	286.8	286.8	283.5	283.5	286.8
65°	563.7	480.2	396.9	306.8	246.8	216.8	196.7	196.7	193.4	196.7	193.4
67.5°	410.2	353.5	286.8	223.5	176.8	160.1	146.8	136.7	143.5	136.7	133.4
70°	300.2	253.4	206.8	170.1	136.7	120.1	110.1	106.7	100.1	100.1	100.1
72.5°	200.2	170.1	140.0	110.1	90.1	73.3	70.0	63.4	56.7	60.0	66.7
75°	133.4	113.4	100.1	80.0	60.0	60.0	40.1	40.1	33.4	40.1	30.1
77.5°	93.4	76.7	60.0	50.0	40.1	36.7	26.6	26.6	23.3	23.3	23.3
80°	66.7	56.7	43.4	36.7	26.6	26.6	23.3	20.0	16.6	16.6	20.0
82.5°	40.1	30.1	30.1	26.6	16.6	13.3	10.0	13.3	6.7	6.7	6.7
85°	23.3	20.0	16.6	10.0	6.7	6.7	3.3	0.0	3.3	3.3	0.0
87.5°	13.3	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°	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7
2.5°	6870.8	6867.4	6874.1	6874.1	6894.2	6890.7	6900.8	6900.8	6894.2	6897.5	6910.8
5°	6894.2	6904.2	6924.1	6940.9	6970.8	6984.2	7000.8	7017.6	7020.9	7030.9	7040.9
7.5°	6894.2	6927.5	6950.9	6980.8	7020.9	7044.2	7080.9	7110.9	7124.3	7140.9	7160.9
10°	6880.7	6914.1	6957.5	6990.8	7040.9	7077.6	7114.2	7160.9	7181.0	7207.6	7234.4
12.5°	6854.1	6890.7	6937.4	6980.8	7037.5	7070.9	7117.5	7160.9	7191.0	7227.6	7257.7
15°	6814.1	6857.4	6900.8	6944.1	7004.1	7044.2	7087.6	7137.6	7167.6	7207.6	7234.4
17.5°	6750.7	6797.4	6837.5	6877.4	6934.1	6980.8	7020.9	7067.6	7097.6	7131.0	7167.6
20°	6674.0	6717.4	6760.7	6794.1	6850.8	6890.7	6934.1	6977.5	7000.8	7007.6	7064.3
22.5°	6577.3	6607.2	6640.6	6694.0	6727.4	6764.0	6804.1	6844.1	6867.4	6904.2	6924.1
25°	6417.1	6447.2	6483.8	6507.2	6547.3	6577.3	6617.3	6660.7	6674.0	6700.7	6720.6
27.5°	6193.7	6210.4	6227.1	6247.0	6270.4	6287.1	6310.4	6330.5	6343.8	6357.1	6370.4
30°	5840.1	5840.1	5840.1	5826.8	5836.8	5846.8	5850.1	5846.8	5846.8	5843.5	5843.5
32.5°	5373.2	5346.6	5316.5	5289.9	5279.8	5266.5	5259.8	5249.8	5233.2	5223.1	5226.4
35°	4742.8	4682.8	4646.1	4612.8	4586.1	4566.1	4556.1	4546.1	4542.8	4529.4	4516.0
37.5°	3955.7	3912.3	3885.7	3865.7	3842.3	3822.3	3825.6	3829.0	3838.9	3832.3	3835.6
40°	3121.9	3111.8	3121.9	3098.5	3091.8	3098.5	3115.1	3138.6	3151.9	3165.2	3188.6
42.5°	2374.8	2391.4	2414.8	2414.8	2424.7	2438.2	2458.1	2494.9	2514.8	2538.1	2564.9
45°	1787.7	1807.8	1837.8	1847.7	1854.4	1871.1	1894.5	1924.5	1937.8	1957.8	1981.2
47.5°	1377.5	1390.8	1407.4	1424.2	1440.8	1447.5	1470.9	1470.9	1487.6	1500.9	1507.5
50°	1074.0	1087.3	1100.6	1110.6	1117.4	1127.4	1134.0	1144.0	1147.3	1154.0	1157.3
52.5°	840.5	857.2	857.2	863.8	873.8	883.8	880.5	883.8	887.1	887.1	897.2
55°	657.0	657.0	667.1	667.1	673.8	670.4	673.8	673.8	673.8	673.8	677.1
57.5°	490.2	493.7	503.7	497.0	493.7	500.3	493.7	500.3	497.0	503.7	493.7
60°	376.8	376.8	380.3	380.3	383.6	383.6	383.6	380.3	380.3	376.8	376.8
62.5°	283.5	286.8	290.2	286.8	286.8	286.8	283.5	283.5	280.2	276.8	276.8
65°	190.1	186.8	193.4	186.8	190.1	190.1	186.8	190.1	180.1	183.4	180.1
67.5°	136.7	133.4	130.1	133.4	130.1	126.7	126.7	130.1	133.4	123.4	123.4
70°	90.1	93.4	90.1	93.4	96.8	96.8	93.4	90.1	93.4	86.8	90.1
72.5°	56.7	56.7	56.7	56.7	56.7	60.0	60.0	60.0	53.4	53.4	50.0
75°	26.6	36.7	30.1	26.6	36.7	36.7	33.4	33.4	30.1	30.1	30.1
77.5°	26.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0	16.6	20.0	16.6
80°	13.3	13.3	13.3	10.0	13.3	13.3	16.6	13.3	13.3	10.0	16.6
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: P248964

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7
2.5°	6907.5	6904.2	6907.5	6910.8	6907.5	6904.2	6907.5	6910.8	6897.5	6894.2	6900.8
5°	7054.2	7054.2	7060.8	7064.3	7060.8	7054.2	7054.2	7040.9	7030.9	7020.9	7017.6
7.5°	7181.0	7187.7	7194.3	7197.6	7194.3	7187.7	7181.0	7160.9	7140.9	7124.3	7110.9
10°	7257.7	7267.7	7281.0	7287.6	7281.0	7267.7	7257.7	7234.4	7207.6	7181.0	7160.9
12.5°	7291.1	7301.1	7317.7	7314.4	7317.7	7301.1	7291.1	7257.7	7227.6	7191.0	7160.9
15°	7267.7	7281.0	7297.7	7304.4	7297.7	7281.0	7267.7	7234.4	7207.6	7167.6	7137.6
17.5°	7194.3	7214.3	7224.3	7234.4	7224.3	7214.3	7194.3	7167.6	7131.0	7097.6	7067.6
20°	7094.2	7107.7	7121.0	7124.3	7121.0	7107.7	7094.2	7064.3	7007.6	7000.8	6977.5
22.5°	6950.9	6960.9	6990.8	6980.8	6990.8	6960.9	6950.9	6924.1	6904.2	6867.4	6844.1
25°	6744.0	6754.0	6757.4	6760.7	6757.4	6754.0	6744.0	6720.6	6700.7	6674.0	6660.7
27.5°	6387.2	6387.2	6393.8	6397.2	6393.8	6387.2	6387.2	6370.4	6357.1	6343.8	6330.5
30°	5846.8	5846.8	5846.8	5863.6	5846.8	5846.8	5846.8	5843.5	5843.5	5846.8	5846.8
32.5°	5223.1	5216.4	5209.8	5216.4	5209.8	5216.4	5223.1	5226.4	5223.1	5233.2	5249.8
35°	4516.0	4512.7	4522.7	4509.4	4522.7	4512.7	4516.0	4516.0	4529.4	4542.8	4546.1
37.5°	3838.9	3832.3	3845.6	3832.3	3845.6	3832.3	3838.9	3835.6	3832.3	3838.9	3829.0
40°	3195.3	3201.9	3201.9	3228.7	3201.9	3201.9	3195.3	3188.6	3165.2	3151.9	3138.6
42.5°	2578.2	2598.3	2591.5	2611.6	2591.5	2598.3	2578.2	2564.9	2538.1	2514.8	2494.9
45°	1994.5	2007.9	2007.9	2014.5	2007.9	2007.9	1994.5	1981.2	1957.8	1937.8	1924.5
47.5°	1530.9	1530.9	1530.9	1534.3	1530.9	1530.9	1530.9	1507.5	1500.9	1487.6	1470.9
50°	1164.0	1167.3	1170.8	1174.1	1170.8	1167.3	1164.0	1157.3	1154.0	1147.3	1144.0
52.5°	893.9	897.2	890.6	897.2	890.6	897.2	893.9	897.2	887.1	887.1	883.8
55°	677.1	673.8	677.1	680.4	677.1	673.8	677.1	677.1	673.8	673.8	673.8
57.5°	497.0	490.2	490.2	490.2	490.2	490.2	497.0	493.7	503.7	497.0	500.3
60°	370.3	373.6	373.6	376.8	373.6	373.6	370.3	376.8	376.8	380.3	380.3
62.5°	273.5	283.5	276.8	283.5	276.8	283.5	273.5	276.8	276.8	280.2	283.5
65°	176.8	176.8	176.8	180.1	176.8	176.8	176.8	180.1	183.4	180.1	190.1
67.5°	120.1	123.4	130.1	126.7	130.1	123.4	120.1	123.4	123.4	133.4	130.1
70°	96.8	86.8	86.8	96.8	86.8	86.8	96.8	90.1	86.8	93.4	90.1
72.5°	56.7	50.0	56.7	56.7	56.7	50.0	56.7	50.0	53.4	53.4	60.0
75°	30.1	26.6	23.3	33.4	23.3	26.6	30.1	30.1	30.1	30.1	33.4
77.5°	20.0	16.6	23.3	23.3	23.3	16.6	20.0	16.6	20.0	16.6	20.0
80°	10.0	13.3	10.0	16.6	10.0	13.3	10.0	16.6	10.0	13.3	13.3
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: P248964

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7
2.5°	6900.8	6890.7	6894.2	6874.1	6874.1	6867.4	6870.8	6854.1	6847.5	6840.8	6850.8
5°	7000.8	6984.2	6970.8	6940.9	6924.1	6904.2	6894.2	6867.4	6844.1	6824.0	6820.7
7.5°	7080.9	7044.2	7020.9	6980.8	6950.9	6927.5	6894.2	6857.4	6827.5	6800.7	6780.8
10°	7114.2	7077.6	7040.9	6990.8	6957.5	6914.1	6880.7	6834.0	6794.1	6757.4	6734.0
12.5°	7117.5	7070.9	7037.5	6980.8	6937.4	6890.7	6854.1	6800.7	6754.0	6717.4	6680.7
15°	7087.6	7044.2	7004.1	6944.1	6900.8	6857.4	6814.1	6757.4	6714.1	6670.7	6644.0
17.5°	7020.9	6980.8	6934.1	6877.4	6837.5	6797.4	6750.7	6704.0	6653.9	6607.2	6573.9
20°	6934.1	6890.7	6850.8	6794.1	6760.7	6717.4	6674.0	6624.0	6583.9	6537.2	6500.6
22.5°	6804.1	6764.0	6727.4	6694.0	6640.6	6607.2	6577.3	6520.6	6480.5	6437.2	6397.2
25°	6617.3	6577.3	6547.3	6507.2	6483.8	6447.2	6417.1	6367.1	6330.5	6290.4	6257.0
27.5°	6310.4	6287.1	6270.4	6247.0	6227.1	6210.4	6193.7	6153.7	6127.0	6090.4	6057.0
30°	5850.1	5846.8	5836.8	5826.8	5840.1	5840.1	5840.1	5833.5	5810.2	5783.4	5760.1
32.5°	5259.8	5266.5	5279.8	5289.9	5316.5	5346.6	5373.2	5386.5	5386.5	5369.9	5359.9
35°	4556.1	4566.1	4586.1	4612.8	4646.1	4682.8	4742.8	4756.2	4766.1	4766.1	4752.8
37.5°	3825.6	3822.3	3842.3	3865.7	3885.7	3912.3	3955.7	3965.7	3982.4	3975.8	3962.3
40°	3115.1	3098.5	3091.8	3098.5	3121.9	3111.8	3121.9	3115.1	3115.1	3091.8	3091.8
42.5°	2458.1	2438.2	2424.7	2414.8	2414.8	2391.4	2374.8	2358.1	2348.1	2331.4	2328.1
45°	1894.5	1871.1	1854.4	1847.7	1837.8	1807.8	1787.7	1767.7	1744.3	1737.8	1741.0
47.5°	1470.9	1447.5	1440.8	1424.2	1407.4	1390.8	1377.5	1354.2	1350.7	1337.4	1350.7
50°	1134.0	1127.4	1117.4	1110.6	1100.6	1087.3	1074.0	1060.7	1053.9	1053.9	1057.2
52.5°	880.5	883.8	873.8	863.8	857.2	857.2	840.5	837.2	837.2	823.8	837.2
55°	673.8	670.4	673.8	667.1	667.1	657.0	657.0	647.0	647.0	637.0	643.7
57.5°	493.7	500.3	493.7	497.0	503.7	493.7	490.2	480.2	486.9	480.2	483.7
60°	383.6	383.6	383.6	380.3	380.3	376.8	376.8	373.6	373.6	366.8	373.6
62.5°	283.5	286.8	286.8	286.8	290.2	286.8	283.5	286.8	283.5	283.5	286.8
65°	186.8	190.1	190.1	186.8	193.4	186.8	190.1	193.4	196.7	193.4	196.7
67.5°	126.7	126.7	130.1	133.4	130.1	133.4	136.7	133.4	136.7	143.5	136.7
70°	93.4	96.8	96.8	93.4	90.1	93.4	90.1	100.1	100.1	100.1	106.7
72.5°	60.0	60.0	56.7	56.7	56.7	56.7	56.7	66.7	60.0	56.7	63.4
75°	33.4	36.7	36.7	26.6	30.1	36.7	26.6	30.1	40.1	33.4	40.1
77.5°	20.0	20.0	20.0	20.0	20.0	20.0	26.6	23.3	23.3	23.3	26.6
80°	16.6	13.3	13.3	10.0	13.3	13.3	13.3	20.0	16.6	16.6	20.0
82.5°	6.7	6.7	3.3	0.0	6.7	6.7	6.7	6.7	6.7	6.7	13.3
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: P248964

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7
2.5°	6824.0	6824.0	6820.7	6814.1	6800.7	6800.7	6797.4	6787.4	6780.8	6777.3	6777.3
5°	6790.7	6777.3	6764.0	6727.4	6727.4	6720.6	6700.7	6687.3	6680.7	6663.9	6657.4
7.5°	6760.7	6720.6	6697.3	6674.0	6644.0	6630.6	6607.2	6597.2	6573.9	6557.3	6547.3
10°	6687.3	6660.7	6630.6	6593.9	6570.6	6544.0	6517.2	6497.3	6467.2	6450.5	6437.2
12.5°	6637.3	6597.2	6570.6	6530.5	6490.6	6467.2	6430.6	6407.2	6377.2	6343.8	6323.8
15°	6590.6	6547.3	6510.6	6467.2	6423.8	6397.2	6353.8	6327.2	6283.8	6250.4	6227.1
17.5°	6520.6	6483.8	6443.9	6390.5	6350.5	6317.2	6270.4	6237.1	6197.0	6153.7	6130.3
20°	6447.2	6403.8	6363.8	6310.4	6270.4	6230.4	6183.7	6147.1	6100.3	6060.3	6033.7
22.5°	6350.5	6300.4	6267.1	6213.7	6167.0	6123.7	6080.3	6037.0	5993.6	5960.2	5930.2
25°	6210.4	6157.0	6120.3	6076.9	6033.7	6000.3	5946.9	5920.3	5876.9	5846.8	5816.8
27.5°	6010.2	5970.2	5936.9	5893.5	5856.8	5830.2	5790.1	5763.5	5726.7	5700.1	5676.7
30°	5716.8	5683.5	5653.4	5610.0	5583.4	5560.0	5523.2	5499.9	5473.3	5443.2	5436.6
32.5°	5323.2	5296.5	5266.5	5236.5	5216.4	5203.1	5173.0	5159.7	5133.1	5116.3	5099.7
35°	4729.5	4706.1	4689.5	4676.2	4669.5	4672.8	4666.2	4679.5	4686.1	4682.8	4686.1
37.5°	3952.4	3939.0	3945.7	3955.7	3989.1	4032.5	4072.4	4132.4	4172.5	4212.6	4249.2
40°	3085.2	3095.2	3121.9	3181.9	3268.6	3365.4	3455.5	3568.9	3682.3	3762.3	3835.6
42.5°	2328.1	2358.1	2424.7	2511.5	2641.6	2785.0	2925.1	3091.8	3228.7	3362.0	3455.5
45°	1751.1	1791.0	1877.8	1997.9	2141.2	2308.0	2484.9	2671.6	2835.1	2971.8	3075.2
47.5°	1364.2	1400.9	1487.6	1614.3	1791.0	1964.5	2148.0	2341.4	2511.5	2644.9	2735.0
50°	1077.3	1124.0	1200.7	1334.1	1511.0	1694.4	1884.5	2074.5	2234.7	2348.1	2428.2
52.5°	847.2	890.6	963.9	1104.0	1284.2	1467.6	1644.3	1831.1	1971.1	2081.2	2134.6
55°	657.0	697.1	773.7	890.6	1060.7	1240.8	1417.5	1577.7	1707.7	1787.7	1837.8
57.5°	500.3	530.3	583.7	700.4	853.9	1020.6	1170.8	1330.8	1430.9	1487.6	1520.8
60°	380.3	403.6	460.3	550.4	690.4	833.9	960.6	1080.7	1160.7	1207.4	1240.8
62.5°	286.8	313.6	353.5	430.3	536.9	653.8	760.4	850.5	917.2	947.3	970.6
65°	196.7	216.8	246.8	306.8	396.9	480.2	563.7	630.4	673.8	707.2	720.5
67.5°	146.8	160.1	176.8	223.5	286.8	353.5	410.2	456.9	503.7	517.0	540.4
70°	110.1	120.1	136.7	170.1	206.8	253.4	300.2	326.9	360.2	383.6	390.3
72.5°	70.0	73.3	90.1	110.1	140.0	170.1	200.2	223.5	243.5	256.9	263.4
75°	40.1	60.0	60.0	80.0	100.1	113.4	133.4	150.1	160.1	170.1	170.1
77.5°	26.6	36.7	40.1	50.0	60.0	76.7	93.4	103.4	113.4	116.7	116.7
80°	23.3	26.6	26.6	36.7	43.4	56.7	66.7	70.0	76.7	80.0	86.8
82.5°	10.0	13.3	16.6	26.6	30.1	30.1	40.1	43.4	50.0	53.4	53.4
85°	3.3	6.7	6.7	10.0	16.6	20.0	23.3	26.6	30.1	30.1	33.4
87.5°	3.3	3.3	0.0	3.3	6.7	6.7	13.3	13.3	13.3	20.0	20.0
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: P248964

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7	6830.7
2.5°	6770.8	6774.0	6760.7	6757.4	6750.7	6754.0	6760.7
5°	6647.3	6650.6	6637.3	6624.0	6624.0	6620.6	6624.0
7.5°	6530.5	6533.9	6513.9	6507.2	6493.9	6497.3	6497.3
10°	6413.8	6413.8	6383.9	6380.5	6370.4	6367.1	6367.1
12.5°	6300.4	6290.4	6267.1	6253.7	6260.5	6240.4	6240.4
15°	6200.3	6183.7	6153.7	6143.6	6127.0	6120.3	6120.3
17.5°	6097.0	6083.6	6057.0	6037.0	6016.9	6013.6	6016.9
20°	5996.9	5983.6	5950.2	5936.9	5920.3	5920.3	5913.5
22.5°	5896.8	5883.5	5853.6	5843.5	5820.2	5820.2	5823.5
25°	5793.4	5783.4	5750.0	5743.5	5740.2	5726.7	5733.4
27.5°	5653.4	5646.7	5620.0	5610.0	5596.7	5593.4	5600.0
30°	5396.5	5386.5	5366.6	5356.6	5333.2	5336.5	5343.1
32.5°	5076.4	5063.1	5036.3	5026.3	5006.4	4999.6	5002.9
35°	4676.2	4666.2	4642.8	4642.8	4622.8	4616.1	4622.8
37.5°	4269.3	4279.2	4269.3	4279.2	4269.3	4265.9	4269.3
40°	3885.7	3922.4	3929.0	3965.7	3952.4	3972.3	3969.0
42.5°	3518.7	3578.7	3602.2	3632.1	3625.6	3638.9	3648.9
45°	3148.5	3198.6	3221.9	3242.0	3245.3	3252.0	3255.3
47.5°	2798.3	2838.4	2841.7	2865.0	2861.7	2861.7	2871.7
50°	2471.5	2498.2	2504.8	2521.5	2508.2	2501.5	2504.8
52.5°	2168.0	2194.6	2187.9	2194.6	2178.0	2171.3	2174.6
55°	1857.7	1871.1	1871.1	1871.1	1851.1	1851.1	1851.1
57.5°	1540.9	1544.3	1537.6	1540.9	1537.6	1517.5	1514.3
60°	1250.8	1250.8	1247.4	1250.8	1240.8	1230.8	1230.8
62.5°	977.2	983.9	997.2	983.9	977.2	983.9	973.9
65°	730.5	743.8	740.4	747.1	743.8	743.8	737.1
67.5°	550.4	553.7	557.0	560.4	560.4	560.4	560.4
70°	403.6	413.6	410.2	410.2	410.2	410.2	430.3
72.5°	270.2	283.5	280.2	286.8	286.8	293.5	286.8
75°	183.4	196.7	190.1	200.2	196.7	190.1	206.8
77.5°	123.4	130.1	133.4	136.7	133.4	130.1	133.4
80°	86.8	93.4	90.1	93.4	93.4	93.4	96.8
82.5°	53.4	63.4	60.0	63.4	60.0	63.4	63.4
85°	36.7	40.1	33.4	40.1	36.7	36.7	43.4
87.5°	23.3	20.0	20.0	23.3	20.0	23.3	20.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)