

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: P248798

Luminaire Tested: **LD8B100D010 ER8B100850 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248798  
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: LD8B100D010 ER8B100850 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10197.0 lumens  
Efficiency: N/A  
Efficacy: 95.9 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

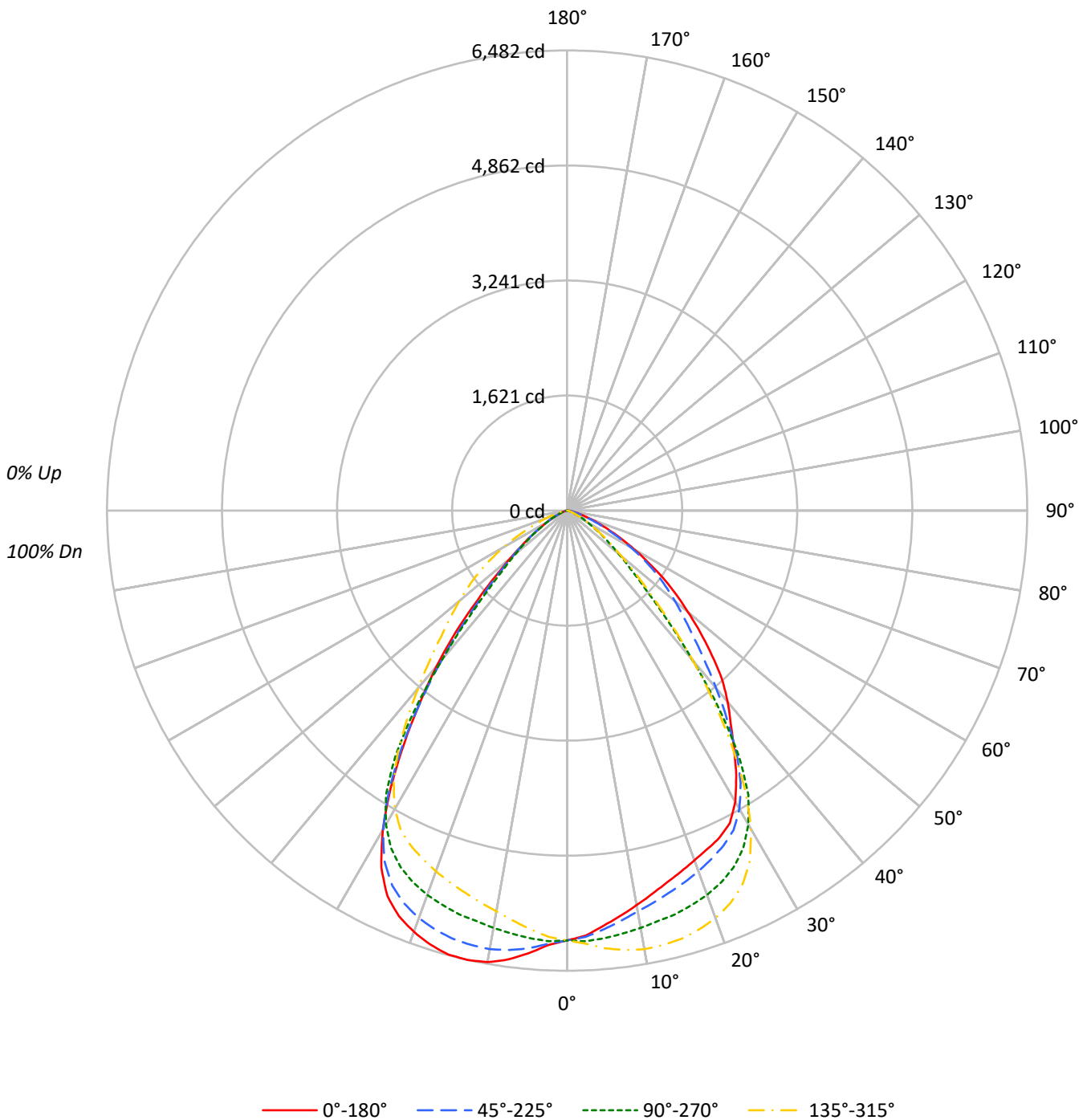
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	186671	186671	186671	186671
5°	181713	187111	193791	187111
10°	176687	186867	202229	186867
15°	173156	187975	206657	187975
20°	171979	189049	207189	189049
25°	172883	188670	203859	188670
30°	168608	181765	185030	181765
35°	154224	158561	150441	158561
40°	141593	110300	115183	110300
45°	125812	67289	77855	67289
50°	106490	44951	49916	44951
55°	88201	30671	32418	30671
60°	67266	20420	20599	20420
65°	47661	12718	11645	12718
70°	34378	8520	7736	8520
75°	21827	4230	3527	4230
80°	15236	3161	2610	3161
85°	13586	0	1026	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	576.2	5.7
10°-20°	1668.5	16.4
20°-30°	2526.5	24.8
30°-40°	2532.2	24.8
40°-50°	1590.1	15.6
50°-60°	847.4	8.3
60°-70°	348.4	3.4
70°-80°	92.1	0.9
80°-90°	15.6	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°	4771.3	46.8
0°-40°	7303.5	71.6
0°-60°	9740.9	95.5
0°-90°	10197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10197.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6054	6054	6054	6054	6054	
5°	5870	6045	6261	6045	5870	554
15°	5424	5888	6473	5888	5424	1534
25°	5081	5545	5992	5545	5081	2330
35°	4097	4212	3996	4212	4097	2567
45°	2885	1543	1785	1543	2885	2219
55°	1641	570	603	570	1641	1463
65°	653	174	160	174	653	678
75°	183	36	30	36	183	208
85°	38	0	3	0	38	42
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°	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6
2.5°	5991.6	5985.6	5982.7	5988.7	5991.6	6003.4	6000.5	6006.3	6006.3	6009.3	6015.2
5°	5870.4	5867.4	5870.4	5870.4	5882.2	5894.0	5891.1	5900.0	5905.8	5920.7	5926.5
7.5°	5758.1	5758.1	5755.1	5766.9	5772.8	5790.6	5787.6	5802.4	5811.3	5826.0	5846.7
10°	5642.8	5642.8	5645.7	5654.6	5657.6	5684.1	5684.1	5704.8	5716.6	5731.5	5758.1
12.5°	5530.5	5530.5	5548.2	5542.3	5554.1	5574.8	5583.6	5604.3	5622.1	5651.7	5678.3
15°	5424.0	5424.0	5430.0	5444.7	5453.6	5480.2	5494.9	5518.7	5539.4	5568.9	5607.4
17.5°	5332.4	5329.5	5332.4	5350.2	5367.9	5391.5	5403.3	5432.9	5453.6	5492.0	5527.6
20°	5240.8	5246.7	5246.7	5261.5	5273.3	5302.8	5314.6	5347.2	5370.8	5406.2	5447.7
22.5°	5161.0	5158.0	5158.0	5178.7	5187.6	5214.1	5225.9	5255.5	5282.1	5311.7	5350.2
25°	5081.2	5075.2	5087.1	5090.0	5095.9	5125.4	5134.3	5155.0	5181.7	5208.3	5246.7
27.5°	4962.9	4957.1	4960.0	4971.8	4980.7	5004.3	5010.2	5030.9	5051.6	5075.2	5107.8
30°	4735.3	4729.4	4726.5	4747.2	4756.1	4773.7	4782.6	4818.1	4824.0	4850.6	4874.2
32.5°	4433.8	4430.8	4436.8	4454.5	4463.3	4487.1	4498.9	4519.5	4534.3	4549.1	4572.7
35°	4096.9	4090.9	4096.9	4114.6	4114.6	4135.3	4144.2	4153.0	4150.0	4153.0	4147.1
37.5°	3783.6	3780.5	3783.6	3792.3	3783.6	3792.3	3783.6	3765.8	3733.3	3697.8	3662.3
40°	3517.5	3520.4	3502.8	3514.6	3482.0	3476.1	3443.6	3399.2	3334.3	3263.3	3162.8
42.5°	3233.8	3224.9	3213.1	3218.9	3192.4	3171.6	3118.4	3062.3	2979.5	2861.4	2740.1
45°	2885.0	2882.0	2876.1	2873.2	2855.4	2834.7	2790.3	2725.3	2633.7	2512.5	2367.6
47.5°	2545.0	2536.1	2536.1	2539.1	2518.4	2515.5	2479.9	2423.8	2344.0	2225.8	2075.0
50°	2219.8	2216.9	2222.8	2234.6	2219.8	2214.0	2190.4	2151.9	2081.0	1980.5	1838.5
52.5°	1927.2	1924.3	1930.2	1945.0	1939.0	1945.0	1921.4	1891.8	1844.5	1746.9	1622.8
55°	1640.6	1640.6	1640.6	1658.2	1658.2	1658.2	1646.4	1628.7	1584.3	1513.4	1398.2
57.5°	1342.0	1344.9	1362.7	1365.6	1362.7	1368.6	1365.6	1347.8	1318.4	1268.1	1179.4
60°	1090.7	1090.7	1099.6	1108.5	1105.5	1108.5	1108.5	1099.6	1070.1	1028.7	957.8
62.5°	863.1	872.0	866.0	872.0	883.8	872.0	866.0	860.2	839.5	812.9	753.7
65°	653.2	659.2	659.2	662.1	656.1	659.2	647.4	638.5	626.7	597.1	558.7
67.5°	496.6	496.6	496.6	496.6	493.6	490.7	487.8	478.9	458.2	446.4	404.9
70°	381.3	363.5	363.5	363.5	363.5	366.6	357.7	345.9	339.9	319.3	289.7
72.5°	254.2	260.1	254.2	254.2	248.3	251.2	239.4	233.5	227.6	215.8	198.1
75°	183.2	168.5	174.3	177.4	168.5	174.3	162.5	150.7	150.7	141.9	133.0
77.5°	118.3	115.3	118.3	121.2	118.3	115.3	109.4	103.4	103.4	100.5	91.6
80°	85.8	82.7	82.7	82.7	79.8	82.7	76.9	76.9	70.9	68.0	62.0
82.5°	56.2	56.2	53.2	56.2	53.2	56.2	47.3	47.3	47.3	44.3	38.4
85°	38.4	32.5	32.5	35.5	29.6	35.5	32.5	29.6	26.6	26.6	23.6
87.5°	17.8	20.7	17.8	20.7	17.8	17.8	20.7	17.8	17.8	11.8	11.8
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°	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6
2.5°	6024.1	6027.0	6027.0	6038.9	6044.8	6047.7	6047.7	6071.4	6062.5	6068.5	6074.3
5°	5938.4	5956.1	5962.0	5962.0	5994.5	6006.3	6018.1	6044.8	6047.7	6065.4	6086.1
7.5°	5855.6	5876.2	5888.2	5914.7	5935.4	5956.1	5991.6	6009.3	6027.0	6050.7	6077.2
10°	5775.7	5799.5	5823.1	5843.8	5876.2	5902.9	5926.5	5967.9	5988.7	6021.2	6056.6
12.5°	5699.0	5731.5	5752.1	5787.6	5823.1	5846.7	5882.2	5920.7	5953.1	5985.6	6027.0
15°	5631.0	5669.4	5693.0	5731.5	5769.9	5802.4	5840.8	5888.2	5911.8	5950.2	5988.7
17.5°	5557.0	5598.5	5628.0	5663.5	5710.8	5746.2	5778.8	5826.0	5855.6	5896.9	5941.3
20°	5480.2	5521.6	5557.0	5592.5	5639.8	5675.3	5713.7	5761.0	5793.5	5834.9	5870.4
22.5°	5388.6	5427.1	5465.4	5506.7	5554.1	5583.6	5628.0	5669.4	5704.8	5743.3	5778.8
25°	5270.3	5317.7	5347.2	5385.6	5424.0	5456.5	5503.8	5545.2	5574.8	5610.3	5642.8
27.5°	5131.4	5166.9	5190.5	5223.0	5261.5	5291.0	5326.4	5367.9	5397.5	5430.0	5453.6
30°	4894.9	4927.5	4948.2	4971.8	5010.2	5036.9	5066.4	5104.8	5125.4	5149.2	5169.9
32.5°	4584.5	4611.2	4623.0	4640.7	4667.4	4693.9	4717.6	4750.1	4759.0	4773.7	4773.7
35°	4135.3	4141.2	4138.2	4144.2	4156.0	4170.7	4191.4	4212.1	4223.9	4223.9	4215.1
37.5°	3609.1	3573.7	3535.3	3505.7	3496.8	3490.9	3502.8	3511.5	3523.5	3529.3	3514.6
40°	3062.3	2982.5	2896.8	2819.9	2766.7	2743.1	2734.2	2740.1	2740.1	2760.7	2760.7
42.5°	2592.3	2468.1	2341.1	2225.8	2148.9	2089.9	2063.2	2063.2	2066.1	2081.0	2089.9
45°	2202.2	2045.5	1897.6	1770.6	1664.2	1587.3	1551.9	1543.0	1540.1	1545.9	1566.6
47.5°	1903.6	1741.0	1587.3	1430.7	1318.4	1241.5	1209.0	1197.1	1185.3	1197.1	1200.1
50°	1670.1	1501.6	1339.1	1182.4	1064.1	996.1	954.7	937.0	934.0	934.0	940.0
52.5°	1457.2	1300.6	1138.1	978.4	854.2	789.3	750.8	741.9	730.1	741.9	741.9
55°	1256.2	1099.6	940.0	789.3	685.7	617.8	582.3	570.5	564.5	573.4	573.4
57.5°	1037.6	904.5	756.8	620.7	517.3	470.0	443.4	428.6	425.6	431.6	425.6
60°	851.3	739.0	611.9	487.8	407.9	357.7	337.0	331.1	325.1	331.1	331.1
62.5°	673.9	579.4	475.8	381.3	313.3	277.9	254.2	254.2	251.2	251.2	254.2
65°	499.6	425.6	351.7	271.9	218.8	192.1	174.3	174.3	171.4	174.3	171.4
67.5°	363.5	313.3	254.2	198.1	156.7	141.9	130.1	121.2	127.1	121.2	118.3
70°	266.1	224.6	183.2	150.7	121.2	106.5	97.6	94.5	88.7	88.7	88.7
72.5°	177.4	150.7	124.1	97.6	79.8	65.0	62.0	56.2	50.2	53.2	59.1
75°	118.3	100.5	88.7	70.9	53.2	53.2	35.5	35.5	29.6	35.5	26.6
77.5°	82.7	68.0	53.2	44.3	35.5	32.5	23.6	23.6	20.7	20.7	20.7
80°	59.1	50.2	38.4	32.5	23.6	23.6	20.7	17.8	14.7	14.7	17.8
82.5°	35.5	26.6	26.6	23.6	14.7	11.8	8.9	11.8	6.0	6.0	6.0
85°	20.7	17.8	14.7	8.9	6.0	6.0	2.9	0.0	2.9	2.9	0.0
87.5°	11.8	6.0	6.0	2.9	0.0	2.9	2.9	0.0	0.0	0.0	6.0
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°	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6
2.5°	6089.2	6086.1	6092.1	6092.1	6109.8	6106.8	6115.7	6115.7	6109.8	6112.8	6124.6
5°	6109.8	6118.7	6136.4	6151.2	6177.7	6189.7	6204.4	6219.2	6222.1	6231.0	6239.9
7.5°	6109.8	6139.4	6160.1	6186.6	6222.1	6242.8	6275.3	6302.0	6313.8	6328.5	6346.2
10°	6097.9	6127.5	6165.9	6195.5	6239.9	6272.4	6304.9	6346.2	6364.0	6387.6	6411.3
12.5°	6074.3	6106.8	6148.2	6186.6	6236.9	6266.4	6307.8	6346.2	6372.9	6405.4	6432.0
15°	6038.9	6077.2	6115.7	6154.1	6207.3	6242.8	6281.3	6325.6	6352.2	6387.6	6411.3
17.5°	5982.7	6024.1	6059.6	6095.0	6145.3	6186.6	6222.1	6263.5	6290.2	6319.7	6352.2
20°	5914.7	5953.1	5991.6	6021.2	6071.4	6106.8	6145.3	6183.7	6204.4	6210.3	6260.6
22.5°	5829.0	5855.6	5885.1	5932.5	5962.0	5994.5	6030.0	6065.4	6086.1	6118.7	6136.4
25°	5687.1	5713.7	5746.2	5766.9	5802.4	5829.0	5864.4	5902.9	5914.7	5938.4	5956.1
27.5°	5489.1	5503.8	5518.7	5536.3	5557.0	5571.8	5592.5	5610.3	5622.1	5633.9	5645.7
30°	5175.7	5175.7	5175.7	5163.9	5172.8	5181.7	5184.6	5181.7	5181.7	5178.7	5178.7
32.5°	4761.9	4738.3	4711.7	4688.1	4679.2	4667.4	4661.4	4652.5	4637.8	4628.9	4631.8
35°	4203.2	4150.0	4117.6	4088.0	4064.4	4046.6	4037.7	4028.9	4025.9	4014.1	4002.2
37.5°	3505.7	3467.3	3443.6	3425.9	3405.2	3387.4	3390.4	3393.4	3402.2	3396.3	3399.2
40°	2766.7	2757.8	2766.7	2746.0	2740.1	2746.0	2760.7	2781.5	2793.3	2805.1	2825.8
42.5°	2104.6	2119.3	2140.1	2140.1	2148.9	2160.8	2178.4	2211.0	2228.7	2249.4	2273.1
45°	1584.3	1602.1	1628.7	1637.5	1643.5	1658.2	1679.0	1705.5	1717.3	1735.1	1755.8
47.5°	1220.8	1232.6	1247.3	1262.2	1276.9	1282.9	1303.5	1303.5	1318.4	1330.2	1336.0
50°	951.8	963.6	975.4	984.3	990.2	999.1	1005.0	1013.8	1016.8	1022.7	1025.6
52.5°	744.8	759.7	759.7	765.5	774.4	783.3	780.4	783.3	786.2	786.2	795.1
55°	582.3	582.3	591.2	591.2	597.1	594.1	597.1	597.1	597.1	597.1	600.1
57.5°	434.5	437.5	446.4	440.4	437.5	443.4	437.5	443.4	440.4	446.4	437.5
60°	334.0	334.0	337.0	337.0	339.9	339.9	339.9	337.0	337.0	334.0	334.0
62.5°	251.2	254.2	257.2	254.2	254.2	254.2	251.2	251.2	248.3	245.3	245.3
65°	168.5	165.6	171.4	165.6	168.5	168.5	165.6	168.5	159.6	162.5	159.6
67.5°	121.2	118.3	115.3	118.3	115.3	112.3	112.3	115.3	118.3	109.4	109.4
70°	79.8	82.7	79.8	82.7	85.8	85.8	82.7	79.8	82.7	76.9	79.8
72.5°	50.2	50.2	50.2	50.2	50.2	53.2	53.2	53.2	47.3	47.3	44.3
75°	23.6	32.5	26.6	23.6	32.5	32.5	29.6	29.6	26.6	26.6	26.6
77.5°	23.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8	14.7	17.8	14.7
80°	11.8	11.8	11.8	8.9	11.8	11.8	14.7	11.8	11.8	8.9	14.7
82.5°	6.0	6.0	6.0	0.0	2.9	6.0	6.0	2.9	6.0	6.0	2.9
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: P248798

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6
2.5°	6121.6	6118.7	6121.6	6124.6	6121.6	6118.7	6121.6	6124.6	6112.8	6109.8	6115.7
5°	6251.7	6251.7	6257.5	6260.6	6257.5	6251.7	6251.7	6239.9	6231.0	6222.1	6219.2
7.5°	6364.0	6370.0	6375.8	6378.7	6375.8	6370.0	6364.0	6346.2	6328.5	6313.8	6302.0
10°	6432.0	6440.9	6452.7	6458.5	6452.7	6440.9	6432.0	6411.3	6387.6	6364.0	6346.2
12.5°	6461.6	6470.5	6485.2	6482.3	6485.2	6470.5	6461.6	6432.0	6405.4	6372.9	6346.2
15°	6440.9	6452.7	6467.4	6473.4	6467.4	6452.7	6440.9	6411.3	6387.6	6352.2	6325.6
17.5°	6375.8	6393.6	6402.5	6411.3	6402.5	6393.6	6375.8	6352.2	6319.7	6290.2	6263.5
20°	6287.1	6299.0	6310.8	6313.8	6310.8	6299.0	6287.1	6260.6	6210.3	6204.4	6183.7
22.5°	6160.1	6169.0	6195.5	6186.6	6195.5	6169.0	6160.1	6136.4	6118.7	6086.1	6065.4
25°	5976.7	5985.6	5988.7	5991.6	5988.7	5985.6	5976.7	5956.1	5938.4	5914.7	5902.9
27.5°	5660.5	5660.5	5666.4	5669.4	5666.4	5660.5	5660.5	5645.7	5633.9	5622.1	5610.3
30°	5181.7	5181.7	5181.7	5196.5	5181.7	5181.7	5181.7	5178.7	5178.7	5181.7	5181.7
32.5°	4628.9	4623.0	4617.1	4623.0	4617.1	4623.0	4628.9	4631.8	4628.9	4637.8	4652.5
35°	4002.2	3999.3	4008.2	3996.4	4008.2	3999.3	4002.2	4002.2	4014.1	4025.9	4028.9
37.5°	3402.2	3396.3	3408.1	3396.3	3408.1	3396.3	3402.2	3399.2	3396.3	3402.2	3393.4
40°	2831.8	2837.6	2837.6	2861.4	2837.6	2837.6	2831.8	2825.8	2805.1	2793.3	2781.5
42.5°	2284.9	2302.7	2296.7	2314.5	2296.7	2302.7	2284.9	2273.1	2249.4	2228.7	2211.0
45°	1767.6	1779.5	1779.5	1785.3	1779.5	1779.5	1767.6	1755.8	1735.1	1717.3	1705.5
47.5°	1356.7	1356.7	1356.7	1359.7	1356.7	1356.7	1356.7	1336.0	1330.2	1318.4	1303.5
50°	1031.6	1034.5	1037.6	1040.5	1037.6	1034.5	1031.6	1025.6	1022.7	1016.8	1013.8
52.5°	792.2	795.1	789.3	795.1	789.3	795.1	792.2	795.1	786.2	786.2	783.3
55°	600.1	597.1	600.1	603.0	600.1	597.1	600.1	600.1	597.1	597.1	597.1
57.5°	440.4	434.5	434.5	434.5	434.5	434.5	440.4	437.5	446.4	440.4	443.4
60°	328.1	331.1	331.1	334.0	331.1	331.1	328.1	334.0	334.0	337.0	337.0
62.5°	242.4	251.2	245.3	251.2	245.3	251.2	242.4	245.3	245.3	248.3	251.2
65°	156.7	156.7	156.7	159.6	156.7	156.7	156.7	159.6	162.5	159.6	168.5
67.5°	106.5	109.4	115.3	112.3	115.3	109.4	106.5	109.4	109.4	118.3	115.3
70°	85.8	76.9	76.9	85.8	76.9	76.9	85.8	79.8	76.9	82.7	79.8
72.5°	50.2	44.3	50.2	50.2	50.2	44.3	50.2	44.3	47.3	47.3	53.2
75°	26.6	23.6	20.7	29.6	20.7	23.6	26.6	26.6	26.6	26.6	29.6
77.5°	17.8	14.7	20.7	20.7	20.7	14.7	17.8	14.7	17.8	14.7	17.8
80°	8.9	11.8	8.9	14.7	8.9	11.8	8.9	14.7	8.9	11.8	11.8
82.5°	2.9	6.0	6.0	6.0	6.0	6.0	2.9	2.9	6.0	6.0	2.9
85°	0.0	6.0	2.9	2.9	2.9	6.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.0	0.0	2.9	0.0	0.0	2.9	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: P248798

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6
2.5°	6115.7	6106.8	6109.8	6092.1	6092.1	6086.1	6089.2	6074.3	6068.5	6062.5	6071.4
5°	6204.4	6189.7	6177.7	6151.2	6136.4	6118.7	6109.8	6086.1	6065.4	6047.7	6044.8
7.5°	6275.3	6242.8	6222.1	6186.6	6160.1	6139.4	6109.8	6077.2	6050.7	6027.0	6009.3
10°	6304.9	6272.4	6239.9	6195.5	6165.9	6127.5	6097.9	6056.6	6021.2	5988.7	5967.9
12.5°	6307.8	6266.4	6236.9	6186.6	6148.2	6106.8	6074.3	6027.0	5985.6	5953.1	5920.7
15°	6281.3	6242.8	6207.3	6154.1	6115.7	6077.2	6038.9	5988.7	5950.2	5911.8	5888.2
17.5°	6222.1	6186.6	6145.3	6095.0	6059.6	6024.1	5982.7	5941.3	5896.9	5855.6	5826.0
20°	6145.3	6106.8	6071.4	6021.2	5991.6	5953.1	5914.7	5870.4	5834.9	5793.5	5761.0
22.5°	6030.0	5994.5	5962.0	5932.5	5885.1	5855.6	5829.0	5778.8	5743.3	5704.8	5669.4
25°	5864.4	5829.0	5802.4	5766.9	5746.2	5713.7	5687.1	5642.8	5610.3	5574.8	5545.2
27.5°	5592.5	5571.8	5557.0	5536.3	5518.7	5503.8	5489.1	5453.6	5430.0	5397.5	5367.9
30°	5184.6	5181.7	5172.8	5163.9	5175.7	5175.7	5175.7	5169.9	5149.2	5125.4	5104.8
32.5°	4661.4	4667.4	4679.2	4688.1	4711.7	4738.3	4761.9	4773.7	4773.7	4759.0	4750.1
35°	4037.7	4046.6	4064.4	4088.0	4117.6	4150.0	4203.2	4215.1	4223.9	4223.9	4212.1
37.5°	3390.4	3387.4	3405.2	3425.9	3443.6	3467.3	3505.7	3514.6	3529.3	3523.5	3511.5
40°	2760.7	2746.0	2740.1	2746.0	2766.7	2757.8	2766.7	2760.7	2760.7	2740.1	2740.1
42.5°	2178.4	2160.8	2148.9	2140.1	2140.1	2119.3	2104.6	2089.9	2081.0	2066.1	2063.2
45°	1679.0	1658.2	1643.5	1637.5	1628.7	1602.1	1584.3	1566.6	1545.9	1540.1	1543.0
47.5°	1303.5	1282.9	1276.9	1262.2	1247.3	1232.6	1220.8	1200.1	1197.1	1185.3	1197.1
50°	1005.0	999.1	990.2	984.3	975.4	963.6	951.8	940.0	934.0	934.0	937.0
52.5°	780.4	783.3	774.4	765.5	759.7	759.7	744.8	741.9	741.9	730.1	741.9
55°	597.1	594.1	597.1	591.2	591.2	582.3	582.3	573.4	573.4	564.5	570.5
57.5°	437.5	443.4	437.5	440.4	446.4	437.5	434.5	425.6	431.6	425.6	428.6
60°	339.9	339.9	339.9	337.0	337.0	334.0	334.0	331.1	331.1	325.1	331.1
62.5°	251.2	254.2	254.2	254.2	257.2	254.2	251.2	254.2	251.2	251.2	254.2
65°	165.6	168.5	168.5	165.6	171.4	165.6	168.5	171.4	174.3	171.4	174.3
67.5°	112.3	112.3	115.3	118.3	115.3	118.3	121.2	118.3	121.2	127.1	121.2
70°	82.7	85.8	85.8	82.7	79.8	82.7	79.8	88.7	88.7	88.7	94.5
72.5°	53.2	53.2	50.2	50.2	50.2	50.2	50.2	59.1	53.2	50.2	56.2
75°	29.6	32.5	32.5	23.6	26.6	32.5	23.6	26.6	35.5	29.6	35.5
77.5°	17.8	17.8	17.8	17.8	17.8	17.8	23.6	20.7	20.7	20.7	23.6
80°	14.7	11.8	11.8	8.9	11.8	11.8	11.8	17.8	14.7	14.7	17.8
82.5°	6.0	6.0	2.9	0.0	6.0	6.0	6.0	6.0	6.0	6.0	11.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	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: P248798

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6
2.5°	6047.7	6047.7	6044.8	6038.9	6027.0	6027.0	6024.1	6015.2	6009.3	6006.3	6006.3
5°	6018.1	6006.3	5994.5	5962.0	5962.0	5956.1	5938.4	5926.5	5920.7	5905.8	5900.0
7.5°	5991.6	5956.1	5935.4	5914.7	5888.2	5876.2	5855.6	5846.7	5826.0	5811.3	5802.4
10°	5926.5	5902.9	5876.2	5843.8	5823.1	5799.5	5775.7	5758.1	5731.5	5716.6	5704.8
12.5°	5882.2	5846.7	5823.1	5787.6	5752.1	5731.5	5699.0	5678.3	5651.7	5622.1	5604.3
15°	5840.8	5802.4	5769.9	5731.5	5693.0	5669.4	5631.0	5607.4	5568.9	5539.4	5518.7
17.5°	5778.8	5746.2	5710.8	5663.5	5628.0	5598.5	5557.0	5527.6	5492.0	5453.6	5432.9
20°	5713.7	5675.3	5639.8	5592.5	5557.0	5521.6	5480.2	5447.7	5406.2	5370.8	5347.2
22.5°	5628.0	5583.6	5554.1	5506.7	5465.4	5427.1	5388.6	5350.2	5311.7	5282.1	5255.5
25°	5503.8	5456.5	5424.0	5385.6	5347.2	5317.7	5270.3	5246.7	5208.3	5181.7	5155.0
27.5°	5326.4	5291.0	5261.5	5223.0	5190.5	5166.9	5131.4	5107.8	5075.2	5051.6	5030.9
30°	5066.4	5036.9	5010.2	4971.8	4948.2	4927.5	4894.9	4874.2	4850.6	4824.0	4818.1
32.5°	4717.6	4693.9	4667.4	4640.7	4623.0	4611.2	4584.5	4572.7	4549.1	4534.3	4519.5
35°	4191.4	4170.7	4156.0	4144.2	4138.2	4141.2	4135.3	4147.1	4153.0	4150.0	4153.0
37.5°	3502.8	3490.9	3496.8	3505.7	3535.3	3573.7	3609.1	3662.3	3697.8	3733.3	3765.8
40°	2734.2	2743.1	2766.7	2819.9	2896.8	2982.5	3062.3	3162.8	3263.3	3334.3	3399.2
42.5°	2063.2	2089.9	2148.9	2225.8	2341.1	2468.1	2592.3	2740.1	2861.4	2979.5	3062.3
45°	1551.9	1587.3	1664.2	1770.6	1897.6	2045.5	2202.2	2367.6	2512.5	2633.7	2725.3
47.5°	1209.0	1241.5	1318.4	1430.7	1587.3	1741.0	1903.6	2075.0	2225.8	2344.0	2423.8
50°	954.7	996.1	1064.1	1182.4	1339.1	1501.6	1670.1	1838.5	1980.5	2081.0	2151.9
52.5°	750.8	789.3	854.2	978.4	1138.1	1300.6	1457.2	1622.8	1746.9	1844.5	1891.8
55°	582.3	617.8	685.7	789.3	940.0	1099.6	1256.2	1398.2	1513.4	1584.3	1628.7
57.5°	443.4	470.0	517.3	620.7	756.8	904.5	1037.6	1179.4	1268.1	1318.4	1347.8
60°	337.0	357.7	407.9	487.8	611.9	739.0	851.3	957.8	1028.7	1070.1	1099.6
62.5°	254.2	277.9	313.3	381.3	475.8	579.4	673.9	753.7	812.9	839.5	860.2
65°	174.3	192.1	218.8	271.9	351.7	425.6	499.6	558.7	597.1	626.7	638.5
67.5°	130.1	141.9	156.7	198.1	254.2	313.3	363.5	404.9	446.4	458.2	478.9
70°	97.6	106.5	121.2	150.7	183.2	224.6	266.1	289.7	319.3	339.9	345.9
72.5°	62.0	65.0	79.8	97.6	124.1	150.7	177.4	198.1	215.8	227.6	233.5
75°	35.5	53.2	53.2	70.9	88.7	100.5	118.3	133.0	141.9	150.7	150.7
77.5°	23.6	32.5	35.5	44.3	53.2	68.0	82.7	91.6	100.5	103.4	103.4
80°	20.7	23.6	23.6	32.5	38.4	50.2	59.1	62.0	68.0	70.9	76.9
82.5°	8.9	11.8	14.7	23.6	26.6	26.6	35.5	38.4	44.3	47.3	47.3
85°	2.9	6.0	6.0	8.9	14.7	17.8	20.7	23.6	26.6	26.6	29.6
87.5°	2.9	2.9	0.0	2.9	6.0	6.0	11.8	11.8	11.8	17.8	17.8
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: P248798

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6
2.5°	6000.5	6003.4	5991.6	5988.7	5982.7	5985.6	5991.6
5°	5891.1	5894.0	5882.2	5870.4	5870.4	5867.4	5870.4
7.5°	5787.6	5790.6	5772.8	5766.9	5755.1	5758.1	5758.1
10°	5684.1	5684.1	5657.6	5654.6	5645.7	5642.8	5642.8
12.5°	5583.6	5574.8	5554.1	5542.3	5548.2	5530.5	5530.5
15°	5494.9	5480.2	5453.6	5444.7	5430.0	5424.0	5424.0
17.5°	5403.3	5391.5	5367.9	5350.2	5332.4	5329.5	5332.4
20°	5314.6	5302.8	5273.3	5261.5	5246.7	5246.7	5240.8
22.5°	5225.9	5214.1	5187.6	5178.7	5158.0	5158.0	5161.0
25°	5134.3	5125.4	5095.9	5090.0	5087.1	5075.2	5081.2
27.5°	5010.2	5004.3	4980.7	4971.8	4960.0	4957.1	4962.9
30°	4782.6	4773.7	4756.1	4747.2	4726.5	4729.4	4735.3
32.5°	4498.9	4487.1	4463.3	4454.5	4436.8	4430.8	4433.8
35°	4144.2	4135.3	4114.6	4114.6	4096.9	4090.9	4096.9
37.5°	3783.6	3792.3	3783.6	3792.3	3783.6	3780.5	3783.6
40°	3443.6	3476.1	3482.0	3514.6	3502.8	3520.4	3517.5
42.5°	3118.4	3171.6	3192.4	3218.9	3213.1	3224.9	3233.8
45°	2790.3	2834.7	2855.4	2873.2	2876.1	2882.0	2885.0
47.5°	2479.9	2515.5	2518.4	2539.1	2536.1	2536.1	2545.0
50°	2190.4	2214.0	2219.8	2234.6	2222.8	2216.9	2219.8
52.5°	1921.4	1945.0	1939.0	1945.0	1930.2	1924.3	1927.2
55°	1646.4	1658.2	1658.2	1658.2	1640.6	1640.6	1640.6
57.5°	1365.6	1368.6	1362.7	1365.6	1362.7	1344.9	1342.0
60°	1108.5	1108.5	1105.5	1108.5	1099.6	1090.7	1090.7
62.5°	866.0	872.0	883.8	872.0	866.0	872.0	863.1
65°	647.4	659.2	656.1	662.1	659.2	659.2	653.2
67.5°	487.8	490.7	493.6	496.6	496.6	496.6	496.6
70°	357.7	366.6	363.5	363.5	363.5	363.5	381.3
72.5°	239.4	251.2	248.3	254.2	254.2	260.1	254.2
75°	162.5	174.3	168.5	177.4	174.3	168.5	183.2
77.5°	109.4	115.3	118.3	121.2	118.3	115.3	118.3
80°	76.9	82.7	79.8	82.7	82.7	82.7	85.8
82.5°	47.3	56.2	53.2	56.2	53.2	56.2	56.2
85°	32.5	35.5	29.6	35.5	32.5	32.5	38.4
87.5°	20.7	17.8	17.8	20.7	17.8	20.7	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)