

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: P248655

Luminaire Tested: **LD8B120D010 ER8B120827 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248655  
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: LD8B120D010 ER8B120827 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11467.0 lumens  
Efficiency: N/A  
Efficacy: 96.9 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

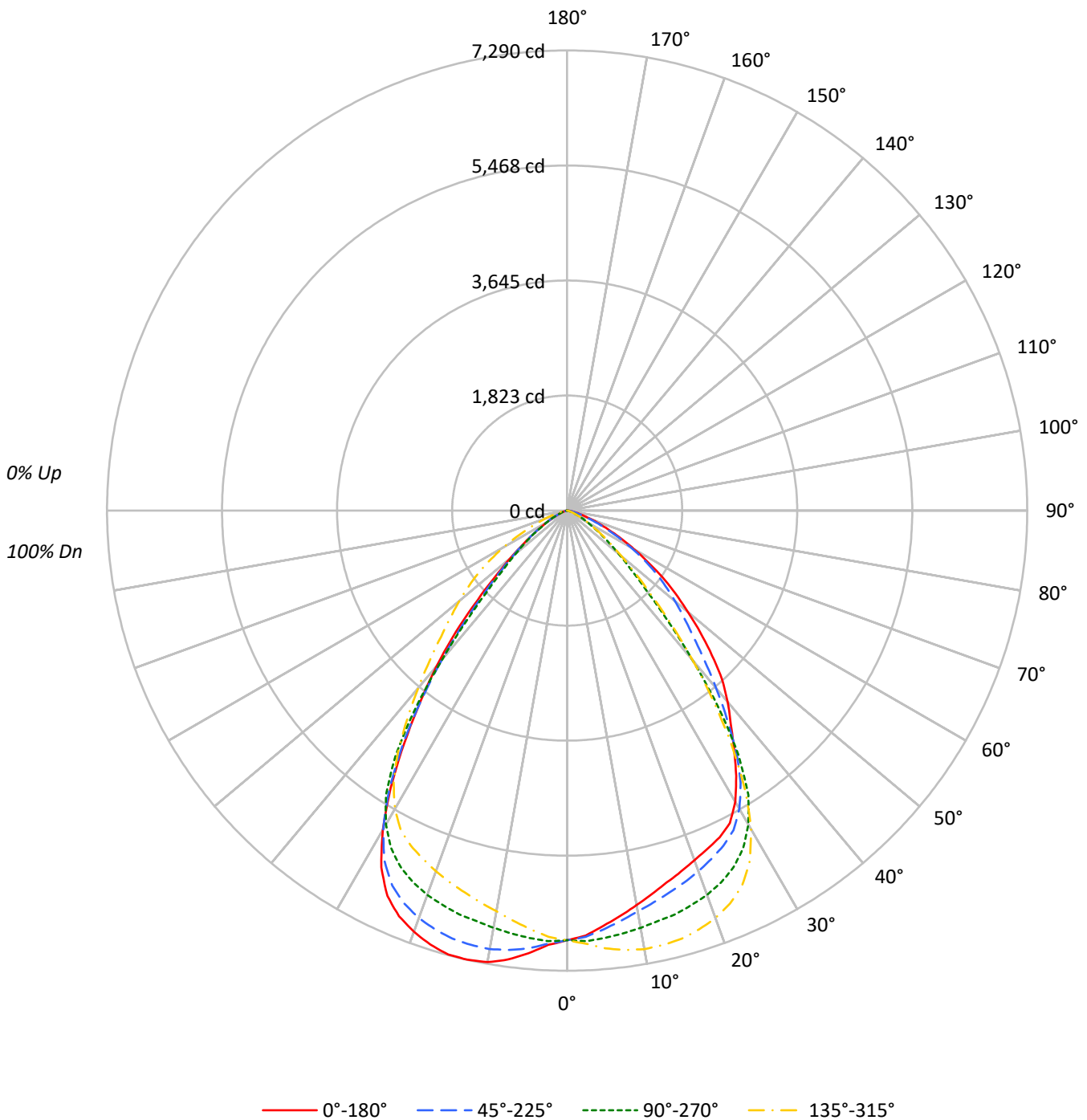
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	209921	209921	209921	209921
5°	204344	210414	217926	210414
10°	198694	210138	227416	210138
15°	194724	211385	232395	211385
20°	193397	212594	232992	212594
25°	194414	212168	229248	212168
30°	189606	204400	208075	204400
35°	173431	178309	169177	178309
40°	159229	124034	129525	124034
45°	141481	75666	87554	75666
50°	119754	50544	56133	50544
55°	99185	34488	36456	34488
60°	75648	22961	23164	22961
65°	53600	14308	13097	14308
70°	38660	9584	8700	9584
75°	24555	4766	3956	4766
80°	17136	3552	2948	3552
85°	15284	0	1168	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	648.0	5.7
10°-20°	1876.4	16.4
20°-30°	2841.2	24.8
30°-40°	2847.6	24.8
40°-50°	1788.1	15.6
50°-60°	952.9	8.3
60°-70°	391.8	3.4
70°-80°	103.5	0.9
80°-90°	17.5	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°	5365.5	46.8
0°-40°	8213.1	71.6
0°-60°	10954.1	95.5
0°-90°	11467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6808	6808	6808	6808	6808	
5°	6602	6798	7040	6798	6602	623
15°	6100	6622	7280	6622	6100	1725
25°	5714	6236	6738	6236	5714	2621
35°	4607	4737	4494	4737	4607	2886
45°	3244	1735	2008	1735	3244	2495
55°	1845	642	678	642	1845	1645
65°	735	196	180	196	735	762
75°	206	40	33	40	206	233
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°	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6
2.5°	6737.8	6731.1	6727.8	6734.5	6737.8	6751.1	6747.8	6754.4	6754.4	6757.8	6764.4
5°	6601.5	6598.1	6601.5	6601.5	6614.8	6628.1	6624.8	6634.8	6641.4	6658.1	6664.6
7.5°	6475.3	6475.3	6471.8	6485.1	6491.8	6511.8	6508.4	6525.1	6535.1	6551.6	6574.9
10°	6345.6	6345.6	6348.8	6358.8	6362.2	6392.1	6392.1	6415.3	6428.6	6445.3	6475.3
12.5°	6219.3	6219.3	6239.2	6232.5	6245.8	6269.1	6279.1	6302.3	6322.3	6355.5	6385.5
15°	6099.6	6099.6	6106.3	6122.8	6132.8	6162.8	6179.3	6206.0	6229.3	6262.5	6305.7
17.5°	5996.5	5993.2	5996.5	6016.5	6036.5	6063.0	6076.3	6109.5	6132.8	6176.0	6216.0
20°	5893.5	5900.2	5900.2	5916.8	5930.0	5963.3	5976.6	6013.2	6039.8	6079.6	6126.2
22.5°	5803.7	5800.5	5800.5	5823.7	5833.7	5863.5	5876.8	5910.1	5940.0	5973.3	6016.5
25°	5714.0	5707.3	5720.7	5724.0	5730.6	5763.8	5773.8	5797.0	5827.0	5857.0	5900.2
27.5°	5581.0	5574.4	5577.7	5591.0	5601.0	5627.5	5634.2	5657.5	5680.7	5707.3	5744.0
30°	5325.0	5318.5	5315.2	5338.4	5348.4	5368.3	5378.2	5418.2	5424.8	5454.7	5481.3
32.5°	4986.0	4982.7	4989.4	5009.2	5019.2	5045.9	5059.2	5082.4	5099.0	5115.7	5142.2
35°	4607.1	4600.4	4607.1	4627.1	4627.1	4650.4	4660.3	4670.2	4666.9	4670.2	4663.6
37.5°	4254.8	4251.4	4254.8	4264.7	4254.8	4264.7	4254.8	4234.8	4198.3	4158.4	4118.4
40°	3955.6	3958.9	3939.0	3952.3	3915.6	3909.1	3872.5	3822.6	3749.5	3669.8	3556.8
42.5°	3636.5	3626.5	3613.3	3619.8	3590.0	3566.6	3506.8	3443.7	3350.6	3217.7	3081.3
45°	3244.3	3241.0	3234.3	3231.0	3211.0	3187.8	3137.8	3064.8	2961.7	2825.5	2662.5
47.5°	2862.0	2852.0	2852.0	2855.3	2832.0	2828.7	2788.8	2725.7	2636.0	2503.0	2333.5
50°	2496.3	2493.0	2499.7	2513.0	2496.3	2489.7	2463.2	2419.9	2340.2	2227.1	2067.5
52.5°	2167.2	2163.9	2170.6	2187.2	2180.5	2187.2	2160.7	2127.4	2074.2	1964.5	1824.9
55°	1844.9	1844.9	1844.9	1864.7	1864.7	1864.7	1851.4	1831.6	1781.7	1701.9	1572.3
57.5°	1509.1	1512.4	1532.4	1535.7	1532.4	1539.1	1535.7	1515.7	1482.6	1426.1	1326.3
60°	1226.6	1226.6	1236.6	1246.6	1243.1	1246.6	1246.6	1236.6	1203.3	1156.8	1077.0
62.5°	970.6	980.6	973.9	980.6	993.9	980.6	973.9	967.3	944.1	914.1	847.6
65°	734.6	741.3	741.3	744.6	737.9	741.3	728.0	718.0	704.8	671.5	628.3
67.5°	558.5	558.5	558.5	558.5	555.1	551.8	548.5	538.5	515.3	502.0	455.3
70°	428.8	408.8	408.8	408.8	408.8	412.2	402.2	389.0	382.3	359.0	325.8
72.5°	285.8	292.5	285.8	285.8	279.2	282.5	269.3	262.6	256.0	242.7	222.7
75°	206.1	189.5	196.1	199.5	189.5	196.1	182.8	169.5	169.5	159.5	149.5
77.5°	133.0	129.7	133.0	136.3	133.0	129.7	123.0	116.3	116.3	113.0	103.0
80°	96.5	93.0	93.0	93.0	89.8	93.0	86.5	86.5	79.8	76.5	69.8
82.5°	63.2	63.2	59.8	63.2	59.8	63.2	53.2	53.2	53.2	49.8	43.2
85°	43.2	36.5	36.5	40.0	33.2	40.0	36.5	33.2	30.0	30.0	26.5
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°	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6
2.5°	6774.3	6777.6	6777.6	6791.0	6797.6	6800.9	6800.9	6827.6	6817.6	6824.3	6830.9
5°	6678.0	6697.9	6704.6	6704.6	6741.1	6754.4	6767.6	6797.6	6800.9	6820.9	6844.1
7.5°	6584.9	6608.1	6621.5	6651.3	6674.6	6697.9	6737.8	6757.8	6777.6	6804.3	6834.1
10°	6495.1	6521.8	6548.3	6571.6	6608.1	6638.1	6664.6	6711.1	6734.5	6771.1	6810.9
12.5°	6408.8	6445.3	6468.6	6508.4	6548.3	6574.9	6614.8	6658.1	6694.6	6731.1	6777.6
15°	6332.3	6375.5	6402.1	6445.3	6488.5	6525.1	6568.3	6621.5	6648.1	6691.3	6734.5
17.5°	6249.1	6295.8	6329.0	6368.8	6422.0	6461.9	6498.5	6551.6	6584.9	6631.4	6681.3
20°	6162.8	6209.3	6249.1	6289.0	6342.3	6382.1	6425.3	6478.5	6515.1	6561.6	6601.5
22.5°	6059.7	6103.0	6146.1	6192.6	6245.8	6279.1	6329.0	6375.5	6415.3	6458.6	6498.5
25°	5926.8	5980.0	6013.2	6056.3	6099.6	6136.1	6189.3	6235.8	6269.1	6309.0	6345.6
27.5°	5770.5	5810.5	5837.0	5873.5	5916.8	5950.0	5989.8	6036.5	6069.7	6106.3	6132.8
30°	5504.5	5541.2	5564.5	5591.0	5634.2	5664.2	5697.4	5740.5	5763.8	5790.5	5813.7
32.5°	5155.5	5185.5	5198.7	5218.7	5248.7	5278.5	5305.2	5341.7	5351.7	5368.3	5368.3
35°	4650.4	4656.9	4653.6	4660.3	4673.6	4690.2	4713.4	4736.7	4750.0	4750.0	4740.1
37.5°	4058.6	4018.8	3975.6	3942.3	3932.3	3925.6	3939.0	3948.9	3962.3	3968.9	3952.3
40°	3443.7	3354.0	3257.5	3171.1	3111.3	3084.7	3074.7	3081.3	3081.3	3104.6	3104.6
42.5°	2915.2	2775.5	2632.7	2503.0	2416.5	2350.1	2320.2	2320.2	2323.5	2340.2	2350.1
45°	2476.4	2300.2	2134.0	1991.1	1871.4	1784.9	1745.1	1735.1	1731.9	1738.4	1761.7
47.5°	2140.7	1957.9	1784.9	1608.9	1482.6	1396.1	1359.6	1346.2	1332.9	1346.2	1349.6
50°	1878.1	1688.6	1505.8	1329.6	1196.6	1120.1	1073.6	1053.6	1050.4	1050.4	1057.1
52.5°	1638.7	1462.6	1279.8	1100.3	960.6	887.5	844.3	834.3	821.1	834.3	834.3
55°	1412.7	1236.6	1057.1	887.5	771.1	694.8	654.8	641.5	634.8	644.8	644.8
57.5°	1166.8	1017.1	851.0	698.1	581.8	528.5	498.6	482.0	478.6	485.3	478.6
60°	957.3	831.0	688.1	548.5	458.8	402.2	379.0	372.3	365.6	372.3	372.3
62.5°	757.8	651.5	535.1	428.8	352.3	312.5	285.8	285.8	282.5	282.5	285.8
65°	561.8	478.6	395.5	305.8	246.0	216.0	196.1	196.1	192.8	196.1	192.8
67.5°	408.8	352.3	285.8	222.7	176.2	159.5	146.3	136.3	143.0	136.3	133.0
70°	299.2	252.6	206.1	169.5	136.3	119.7	109.7	106.3	99.7	99.7	99.7
72.5°	199.5	169.5	139.6	109.7	89.8	73.1	69.8	63.2	56.5	59.8	66.5
75°	133.0	113.0	99.7	79.8	59.8	59.8	40.0	40.0	33.2	40.0	30.0
77.5°	93.0	76.5	59.8	49.8	40.0	36.5	26.5	26.5	23.3	23.3	23.3
80°	66.5	56.5	43.2	36.5	26.5	26.5	23.3	20.0	16.6	16.6	20.0
82.5°	40.0	30.0	30.0	26.5	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°	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6
2.5°	6847.5	6844.1	6850.8	6850.8	6870.8	6867.4	6877.4	6877.4	6870.8	6874.1	6887.4
5°	6870.8	6880.8	6900.6	6917.3	6947.2	6960.6	6977.1	6993.8	6997.1	7007.1	7017.1
7.5°	6870.8	6904.1	6927.3	6957.1	6997.1	7020.3	7056.9	7086.8	7100.1	7116.7	7136.6
10°	6857.4	6890.6	6933.9	6967.1	7017.1	7053.6	7090.1	7136.6	7156.6	7183.2	7209.8
12.5°	6830.9	6867.4	6913.9	6957.1	7013.6	7046.9	7093.4	7136.6	7166.6	7203.1	7233.1
15°	6791.0	6834.1	6877.4	6920.6	6980.4	7020.3	7063.6	7113.4	7143.4	7183.2	7209.8
17.5°	6727.8	6774.3	6814.3	6854.1	6910.6	6957.1	6997.1	7043.6	7073.6	7106.8	7143.4
20°	6651.3	6694.6	6737.8	6771.1	6827.6	6867.4	6910.6	6953.9	6977.1	6983.8	7040.3
22.5°	6555.0	6584.9	6618.1	6671.3	6704.6	6741.1	6781.1	6820.9	6844.1	6880.8	6900.6
25°	6395.4	6425.3	6461.9	6485.1	6525.1	6555.0	6594.8	6638.1	6651.3	6678.0	6697.9
27.5°	6172.8	6189.3	6206.0	6225.8	6249.1	6265.8	6289.0	6309.0	6322.3	6335.6	6348.8
30°	5820.3	5820.3	5820.3	5807.0	5817.0	5827.0	5830.3	5827.0	5827.0	5823.7	5823.7
32.5°	5355.0	5328.4	5298.5	5271.9	5261.9	5248.7	5242.0	5232.0	5215.4	5205.4	5208.7
35°	4726.7	4666.9	4630.4	4597.1	4570.6	4550.6	4540.6	4530.6	4527.4	4514.1	4500.7
37.5°	3942.3	3899.1	3872.5	3852.6	3829.3	3809.3	3812.6	3816.0	3825.9	3819.3	3822.6
40°	3111.3	3101.3	3111.3	3088.0	3081.3	3088.0	3104.6	3128.0	3141.2	3154.5	3177.8
42.5°	2366.7	2383.3	2406.7	2406.7	2416.5	2429.9	2449.8	2486.4	2506.3	2529.5	2556.2
45°	1781.7	1801.6	1831.6	1841.5	1848.2	1864.7	1888.1	1917.9	1931.2	1951.2	1974.4
47.5°	1372.8	1386.1	1402.7	1419.4	1435.9	1442.6	1465.9	1465.9	1482.6	1495.8	1502.4
50°	1070.3	1083.6	1096.9	1106.9	1113.6	1123.6	1130.1	1140.1	1143.4	1150.1	1153.4
52.5°	837.6	854.3	854.3	860.9	870.9	880.8	877.6	880.8	884.1	884.1	894.1
55°	654.8	654.8	664.8	664.8	671.5	668.1	671.5	671.5	671.5	671.5	674.8
57.5°	488.6	492.0	502.0	495.3	492.0	498.6	492.0	498.6	495.3	502.0	492.0
60°	375.6	375.6	379.0	379.0	382.3	382.3	382.3	379.0	379.0	375.6	375.6
62.5°	282.5	285.8	289.2	285.8	285.8	285.8	282.5	282.5	279.2	275.8	275.8
65°	189.5	186.2	192.8	186.2	189.5	189.5	186.2	189.5	179.5	182.8	179.5
67.5°	136.3	133.0	129.7	133.0	129.7	126.3	126.3	129.7	133.0	123.0	123.0
70°	89.8	93.0	89.8	93.0	96.5	96.5	93.0	89.8	93.0	86.5	89.8
72.5°	56.5	56.5	56.5	56.5	56.5	59.8	59.8	59.8	53.2	53.2	49.8
75°	26.5	36.5	30.0	26.5	36.5	36.5	33.2	33.2	30.0	30.0	30.0
77.5°	26.5	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: P248655

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6
2.5°	6884.1	6880.8	6884.1	6887.4	6884.1	6880.8	6884.1	6887.4	6874.1	6870.8	6877.4
5°	7030.3	7030.3	7036.9	7040.3	7036.9	7030.3	7030.3	7017.1	7007.1	6997.1	6993.8
7.5°	7156.6	7163.3	7169.9	7173.2	7169.9	7163.3	7156.6	7136.6	7116.7	7100.1	7086.8
10°	7233.1	7243.1	7256.4	7262.9	7256.4	7243.1	7233.1	7209.8	7183.2	7156.6	7136.6
12.5°	7266.4	7276.3	7292.9	7289.6	7292.9	7276.3	7266.4	7233.1	7203.1	7166.6	7136.6
15°	7243.1	7256.4	7272.9	7279.6	7272.9	7256.4	7243.1	7209.8	7183.2	7143.4	7113.4
17.5°	7169.9	7189.9	7199.9	7209.8	7199.9	7189.9	7169.9	7143.4	7106.8	7073.6	7043.6
20°	7070.2	7083.6	7096.8	7100.1	7096.8	7083.6	7070.2	7040.3	6983.8	6977.1	6953.9
22.5°	6927.3	6937.3	6967.1	6957.1	6967.1	6937.3	6927.3	6900.6	6880.8	6844.1	6820.9
25°	6721.1	6731.1	6734.5	6737.8	6734.5	6731.1	6721.1	6697.9	6678.0	6651.3	6638.1
27.5°	6365.5	6365.5	6372.1	6375.5	6372.1	6365.5	6365.5	6348.8	6335.6	6322.3	6309.0
30°	5827.0	5827.0	5827.0	5843.7	5827.0	5827.0	5827.0	5823.7	5823.7	5827.0	5827.0
32.5°	5205.4	5198.7	5192.2	5198.7	5192.2	5198.7	5205.4	5208.7	5205.4	5215.4	5232.0
35°	4500.7	4497.4	4507.4	4494.1	4507.4	4497.4	4500.7	4500.7	4514.1	4527.4	4530.6
37.5°	3825.9	3819.3	3832.6	3819.3	3832.6	3819.3	3825.9	3822.6	3819.3	3825.9	3816.0
40°	3184.5	3191.0	3191.0	3217.7	3191.0	3191.0	3184.5	3177.8	3154.5	3141.2	3128.0
42.5°	2569.5	2589.4	2582.7	2602.7	2582.7	2589.4	2569.5	2556.2	2529.5	2506.3	2486.4
45°	1987.7	2001.1	2001.1	2007.7	2001.1	2001.1	1987.7	1974.4	1951.2	1931.2	1917.9
47.5°	1525.7	1525.7	1525.7	1529.1	1525.7	1525.7	1525.7	1502.4	1495.8	1482.6	1465.9
50°	1160.1	1163.4	1166.8	1170.1	1166.8	1163.4	1160.1	1153.4	1150.1	1143.4	1140.1
52.5°	890.8	894.1	887.5	894.1	887.5	894.1	890.8	894.1	884.1	884.1	880.8
55°	674.8	671.5	674.8	678.1	674.8	671.5	674.8	674.8	671.5	671.5	671.5
57.5°	495.3	488.6	488.6	488.6	488.6	488.6	495.3	492.0	502.0	495.3	498.6
60°	369.0	372.3	372.3	375.6	372.3	372.3	369.0	375.6	375.6	379.0	379.0
62.5°	272.5	282.5	275.8	282.5	275.8	282.5	272.5	275.8	275.8	279.2	282.5
65°	176.2	176.2	176.2	179.5	176.2	176.2	176.2	179.5	182.8	179.5	189.5
67.5°	119.7	123.0	129.7	126.3	129.7	123.0	119.7	123.0	123.0	133.0	129.7
70°	96.5	86.5	86.5	96.5	86.5	86.5	96.5	89.8	86.5	93.0	89.8
72.5°	56.5	49.8	56.5	56.5	56.5	49.8	56.5	49.8	53.2	53.2	59.8
75°	30.0	26.5	23.3	33.2	23.3	26.5	30.0	30.0	30.0	30.0	33.2
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: P248655

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6
2.5°	6877.4	6867.4	6870.8	6850.8	6850.8	6844.1	6847.5	6830.9	6824.3	6817.6	6827.6
5°	6977.1	6960.6	6947.2	6917.3	6900.6	6880.8	6870.8	6844.1	6820.9	6800.9	6797.6
7.5°	7056.9	7020.3	6997.1	6957.1	6927.3	6904.1	6870.8	6834.1	6804.3	6777.6	6757.8
10°	7090.1	7053.6	7017.1	6967.1	6933.9	6890.6	6857.4	6810.9	6771.1	6734.5	6711.1
12.5°	7093.4	7046.9	7013.6	6957.1	6913.9	6867.4	6830.9	6777.6	6731.1	6694.6	6658.1
15°	7063.6	7020.3	6980.4	6920.6	6877.4	6834.1	6791.0	6734.5	6691.3	6648.1	6621.5
17.5°	6997.1	6957.1	6910.6	6854.1	6814.3	6774.3	6727.8	6681.3	6631.4	6584.9	6551.6
20°	6910.6	6867.4	6827.6	6771.1	6737.8	6694.6	6651.3	6601.5	6561.6	6515.1	6478.5
22.5°	6781.1	6741.1	6704.6	6671.3	6618.1	6584.9	6555.0	6498.5	6458.6	6415.3	6375.5
25°	6594.8	6555.0	6525.1	6485.1	6461.9	6425.3	6395.4	6345.6	6309.0	6269.1	6235.8
27.5°	6289.0	6265.8	6249.1	6225.8	6206.0	6189.3	6172.8	6132.8	6106.3	6069.7	6036.5
30°	5830.3	5827.0	5817.0	5807.0	5820.3	5820.3	5820.3	5813.7	5790.5	5763.8	5740.5
32.5°	5242.0	5248.7	5261.9	5271.9	5298.5	5328.4	5355.0	5368.3	5368.3	5351.7	5341.7
35°	4540.6	4550.6	4570.6	4597.1	4630.4	4666.9	4726.7	4740.1	4750.0	4750.0	4736.7
37.5°	3812.6	3809.3	3829.3	3852.6	3872.5	3899.1	3942.3	3952.3	3968.9	3962.3	3948.9
40°	3104.6	3088.0	3081.3	3088.0	3111.3	3101.3	3111.3	3104.6	3104.6	3081.3	3081.3
42.5°	2449.8	2429.9	2416.5	2406.7	2406.7	2383.3	2366.7	2350.1	2340.2	2323.5	2320.2
45°	1888.1	1864.7	1848.2	1841.5	1831.6	1801.6	1781.7	1761.7	1738.4	1731.9	1735.1
47.5°	1465.9	1442.6	1435.9	1419.4	1402.7	1386.1	1372.8	1349.6	1346.2	1332.9	1346.2
50°	1130.1	1123.6	1113.6	1106.9	1096.9	1083.6	1070.3	1057.1	1050.4	1050.4	1053.6
52.5°	877.6	880.8	870.9	860.9	854.3	854.3	837.6	834.3	834.3	821.1	834.3
55°	671.5	668.1	671.5	664.8	664.8	654.8	654.8	644.8	644.8	634.8	641.5
57.5°	492.0	498.6	492.0	495.3	502.0	492.0	488.6	478.6	485.3	478.6	482.0
60°	382.3	382.3	382.3	379.0	379.0	375.6	375.6	372.3	372.3	365.6	372.3
62.5°	282.5	285.8	285.8	285.8	289.2	285.8	282.5	285.8	282.5	282.5	285.8
65°	186.2	189.5	189.5	186.2	192.8	186.2	189.5	192.8	196.1	192.8	196.1
67.5°	126.3	126.3	129.7	133.0	129.7	133.0	136.3	133.0	136.3	143.0	136.3
70°	93.0	96.5	96.5	93.0	89.8	93.0	89.8	99.7	99.7	99.7	106.3
72.5°	59.8	59.8	56.5	56.5	56.5	56.5	56.5	66.5	59.8	56.5	63.2
75°	33.2	36.5	36.5	26.5	30.0	36.5	26.5	30.0	40.0	33.2	40.0
77.5°	20.0	20.0	20.0	20.0	20.0	20.0	26.5	23.3	23.3	23.3	26.5
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: P248655

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6
2.5°	6800.9	6800.9	6797.6	6791.0	6777.6	6777.6	6774.3	6764.4	6757.8	6754.4	6754.4
5°	6767.6	6754.4	6741.1	6704.6	6704.6	6697.9	6678.0	6664.6	6658.1	6641.4	6634.8
7.5°	6737.8	6697.9	6674.6	6651.3	6621.5	6608.1	6584.9	6574.9	6551.6	6535.1	6525.1
10°	6664.6	6638.1	6608.1	6571.6	6548.3	6521.8	6495.1	6475.3	6445.3	6428.6	6415.3
12.5°	6614.8	6574.9	6548.3	6508.4	6468.6	6445.3	6408.8	6385.5	6355.5	6322.3	6302.3
15°	6568.3	6525.1	6488.5	6445.3	6402.1	6375.5	6332.3	6305.7	6262.5	6229.3	6206.0
17.5°	6498.5	6461.9	6422.0	6368.8	6329.0	6295.8	6249.1	6216.0	6176.0	6132.8	6109.5
20°	6425.3	6382.1	6342.3	6289.0	6249.1	6209.3	6162.8	6126.2	6079.6	6039.8	6013.2
22.5°	6329.0	6279.1	6245.8	6192.6	6146.1	6103.0	6059.7	6016.5	5973.3	5940.0	5910.1
25°	6189.3	6136.1	6099.6	6056.3	6013.2	5980.0	5926.8	5900.2	5857.0	5827.0	5797.0
27.5°	5989.8	5950.0	5916.8	5873.5	5837.0	5810.5	5770.5	5744.0	5707.3	5680.7	5657.5
30°	5697.4	5664.2	5634.2	5591.0	5564.5	5541.2	5504.5	5481.3	5454.7	5424.8	5418.2
32.5°	5305.2	5278.5	5248.7	5218.7	5198.7	5185.5	5155.5	5142.2	5115.7	5099.0	5082.4
35°	4713.4	4690.2	4673.6	4660.3	4653.6	4656.9	4650.4	4663.6	4670.2	4666.9	4670.2
37.5°	3939.0	3925.6	3932.3	3942.3	3975.6	4018.8	4058.6	4118.4	4158.4	4198.3	4234.8
40°	3074.7	3084.7	3111.3	3171.1	3257.5	3354.0	3443.7	3556.8	3669.8	3749.5	3822.6
42.5°	2320.2	2350.1	2416.5	2503.0	2632.7	2775.5	2915.2	3081.3	3217.7	3350.6	3443.7
45°	1745.1	1784.9	1871.4	1991.1	2134.0	2300.2	2476.4	2662.5	2825.5	2961.7	3064.8
47.5°	1359.6	1396.1	1482.6	1608.9	1784.9	1957.9	2140.7	2333.5	2503.0	2636.0	2725.7
50°	1073.6	1120.1	1196.6	1329.6	1505.8	1688.6	1878.1	2067.5	2227.1	2340.2	2419.9
52.5°	844.3	887.5	960.6	1100.3	1279.8	1462.6	1638.7	1824.9	1964.5	2074.2	2127.4
55°	654.8	694.8	771.1	887.5	1057.1	1236.6	1412.7	1572.3	1701.9	1781.7	1831.6
57.5°	498.6	528.5	581.8	698.1	851.0	1017.1	1166.8	1326.3	1426.1	1482.6	1515.7
60°	379.0	402.2	458.8	548.5	688.1	831.0	957.3	1077.0	1156.8	1203.3	1236.6
62.5°	285.8	312.5	352.3	428.8	535.1	651.5	757.8	847.6	914.1	944.1	967.3
65°	196.1	216.0	246.0	305.8	395.5	478.6	561.8	628.3	671.5	704.8	718.0
67.5°	146.3	159.5	176.2	222.7	285.8	352.3	408.8	455.3	502.0	515.3	538.5
70°	109.7	119.7	136.3	169.5	206.1	252.6	299.2	325.8	359.0	382.3	389.0
72.5°	69.8	73.1	89.8	109.7	139.6	169.5	199.5	222.7	242.7	256.0	262.6
75°	40.0	59.8	59.8	79.8	99.7	113.0	133.0	149.5	159.5	169.5	169.5
77.5°	26.5	36.5	40.0	49.8	59.8	76.5	93.0	103.0	113.0	116.3	116.3
80°	23.3	26.5	26.5	36.5	43.2	56.5	66.5	69.8	76.5	79.8	86.5
82.5°	10.0	13.3	16.6	26.5	30.0	30.0	40.0	43.2	49.8	53.2	53.2
85°	3.3	6.7	6.7	10.0	16.6	20.0	23.3	26.5	30.0	30.0	33.2
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: P248655

CATALOG NUMBER: LD8B120D010 ER8B120827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6	6807.6
2.5°	6747.8	6751.1	6737.8	6734.5	6727.8	6731.1	6737.8
5°	6624.8	6628.1	6614.8	6601.5	6601.5	6598.1	6601.5
7.5°	6508.4	6511.8	6491.8	6485.1	6471.8	6475.3	6475.3
10°	6392.1	6392.1	6362.2	6358.8	6348.8	6345.6	6345.6
12.5°	6279.1	6269.1	6245.8	6232.5	6239.2	6219.3	6219.3
15°	6179.3	6162.8	6132.8	6122.8	6106.3	6099.6	6099.6
17.5°	6076.3	6063.0	6036.5	6016.5	5996.5	5993.2	5996.5
20°	5976.6	5963.3	5930.0	5916.8	5900.2	5900.2	5893.5
22.5°	5876.8	5863.5	5833.7	5823.7	5800.5	5800.5	5803.7
25°	5773.8	5763.8	5730.6	5724.0	5720.7	5707.3	5714.0
27.5°	5634.2	5627.5	5601.0	5591.0	5577.7	5574.4	5581.0
30°	5378.2	5368.3	5348.4	5338.4	5315.2	5318.5	5325.0
32.5°	5059.2	5045.9	5019.2	5009.2	4989.4	4982.7	4986.0
35°	4660.3	4650.4	4627.1	4627.1	4607.1	4600.4	4607.1
37.5°	4254.8	4264.7	4254.8	4264.7	4254.8	4251.4	4254.8
40°	3872.5	3909.1	3915.6	3952.3	3939.0	3958.9	3955.6
42.5°	3506.8	3566.6	3590.0	3619.8	3613.3	3626.5	3636.5
45°	3137.8	3187.8	3211.0	3231.0	3234.3	3241.0	3244.3
47.5°	2788.8	2828.7	2832.0	2855.3	2852.0	2852.0	2862.0
50°	2463.2	2489.7	2496.3	2513.0	2499.7	2493.0	2496.3
52.5°	2160.7	2187.2	2180.5	2187.2	2170.6	2163.9	2167.2
55°	1851.4	1864.7	1864.7	1864.7	1844.9	1844.9	1844.9
57.5°	1535.7	1539.1	1532.4	1535.7	1532.4	1512.4	1509.1
60°	1246.6	1246.6	1243.1	1246.6	1236.6	1226.6	1226.6
62.5°	973.9	980.6	993.9	980.6	973.9	980.6	970.6
65°	728.0	741.3	737.9	744.6	741.3	741.3	734.6
67.5°	548.5	551.8	555.1	558.5	558.5	558.5	558.5
70°	402.2	412.2	408.8	408.8	408.8	408.8	428.8
72.5°	269.3	282.5	279.2	285.8	285.8	292.5	285.8
75°	182.8	196.1	189.5	199.5	196.1	189.5	206.1
77.5°	123.0	129.7	133.0	136.3	133.0	129.7	133.0
80°	86.5	93.0	89.8	93.0	93.0	93.0	96.5
82.5°	53.2	63.2	59.8	63.2	59.8	63.2	63.2
85°	36.5	40.0	33.2	40.0	36.5	36.5	43.2
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)