

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: P248646

Luminaire Tested: **LD8B120D010 ER8B120930 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248646  
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 ER8B120930 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10183.2 lumens  
Efficiency: N/A  
Efficacy: 86.1 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

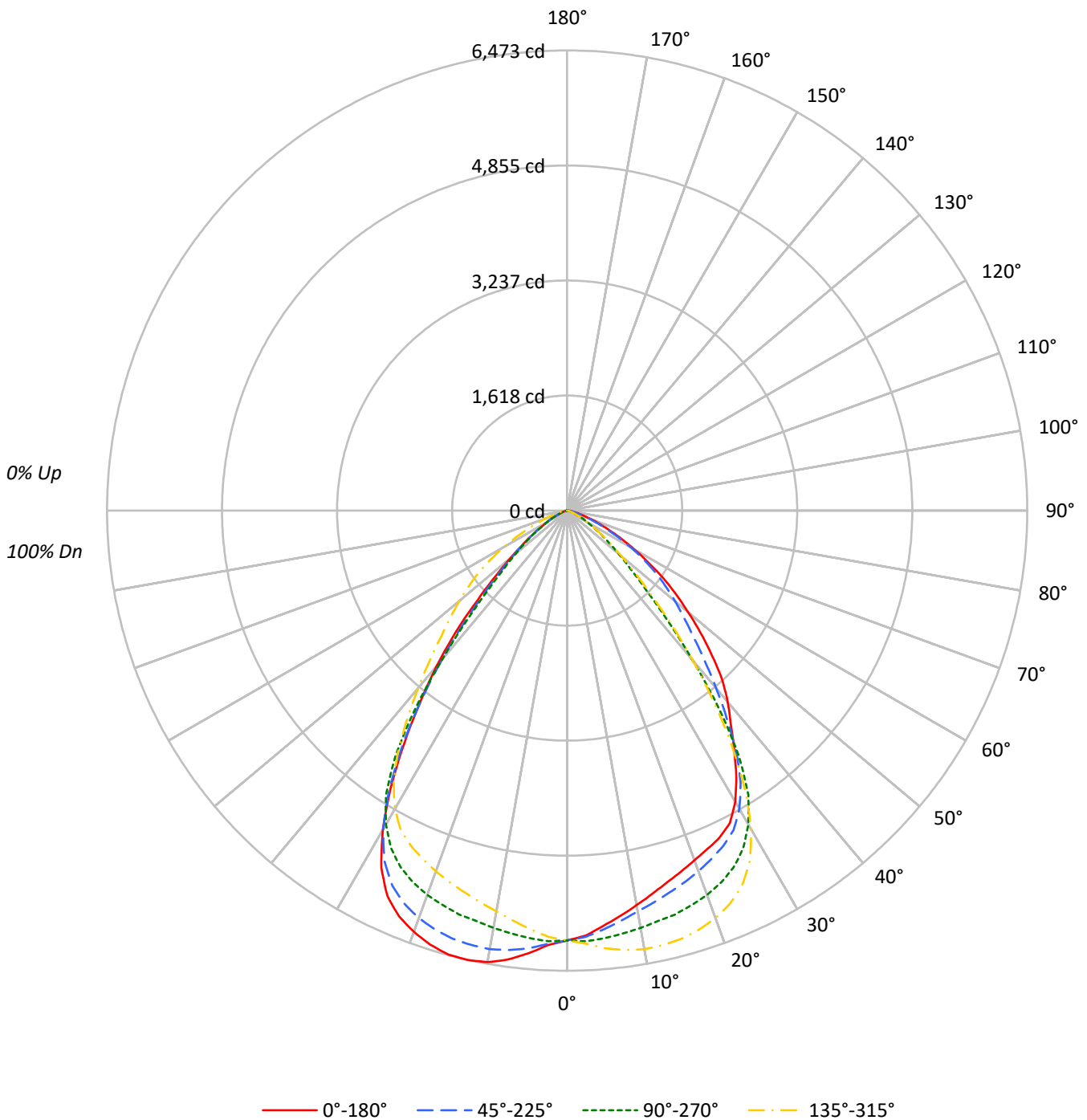
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	575.4	5.7
10°-20°	1666.3	16.4
20°-30°	2523.1	24.8
30°-40°	2528.8	24.8
40°-50°	1587.9	15.6
50°-60°	846.2	8.3
60°-70°	348.0	3.4
70°-80°	91.9	0.9
80°-90°	15.5	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°	4764.8	46.8
0°-40°	7293.6	71.6
0°-60°	9727.7	95.5
0°-90°	10183.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10183.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6045	6045	6045	6045	6045	
5°	5862	6037	6252	6037	5862	553
15°	5417	5880	6465	5880	5417	1532
25°	5074	5538	5983	5538	5074	2327
35°	4091	4206	3991	4206	4091	2563
45°	2881	1541	1783	1541	2881	2216
55°	1638	570	602	570	1638	1461
65°	652	174	159	174	652	677
75°	183	35	30	35	183	207
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°	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4
2.5°	5983.4	5977.5	5974.6	5980.5	5983.4	5995.2	5992.3	5998.1	5998.1	6001.2	6007.0
5°	5862.5	5859.4	5862.5	5862.5	5874.3	5886.0	5883.1	5892.0	5897.8	5912.6	5918.4
7.5°	5750.3	5750.3	5747.3	5759.0	5765.0	5782.8	5779.7	5794.6	5803.4	5818.1	5838.7
10°	5635.2	5635.2	5638.1	5646.9	5650.0	5676.4	5676.4	5697.0	5708.9	5723.7	5750.3
12.5°	5522.9	5522.9	5540.7	5534.7	5546.5	5567.2	5576.1	5596.7	5614.4	5644.0	5670.6
15°	5416.7	5416.7	5422.6	5437.3	5446.2	5472.8	5487.5	5511.2	5531.8	5561.4	5599.7
17.5°	5325.2	5322.3	5325.2	5342.9	5360.6	5384.2	5396.0	5425.5	5446.2	5484.6	5520.0
20°	5233.7	5239.7	5239.7	5254.4	5266.1	5295.6	5307.4	5340.0	5363.5	5399.0	5440.3
22.5°	5154.0	5151.0	5151.0	5171.7	5180.6	5207.0	5218.8	5248.4	5275.0	5304.5	5342.9
25°	5074.2	5068.3	5080.3	5083.2	5089.0	5118.5	5127.3	5148.0	5174.6	5201.2	5239.7
27.5°	4956.2	4950.3	4953.3	4965.0	4973.9	4997.4	5003.5	5024.1	5044.7	5068.3	5100.9
30°	4728.8	4723.0	4720.1	4740.7	4749.6	4767.3	4776.1	4811.6	4817.4	4844.1	4867.6
32.5°	4427.7	4424.8	4430.8	4448.4	4457.3	4481.0	4492.7	4513.4	4528.2	4543.0	4566.5
35°	4091.3	4085.4	4091.3	4109.0	4109.0	4129.8	4138.6	4147.4	4144.4	4147.4	4141.5
37.5°	3778.4	3775.4	3778.4	3787.2	3778.4	3787.2	3778.4	3760.7	3728.2	3692.8	3657.3
40°	3512.8	3515.7	3498.0	3509.9	3477.2	3471.4	3439.0	3394.6	3329.7	3258.9	3158.5
42.5°	3229.4	3220.5	3208.8	3214.6	3188.1	3167.3	3114.3	3058.2	2975.5	2857.4	2736.4
45°	2881.1	2878.2	2872.2	2869.2	2851.5	2830.9	2786.5	2721.7	2630.1	2509.1	2364.4
47.5°	2541.5	2532.7	2532.7	2535.6	2515.0	2512.0	2476.5	2420.6	2340.9	2222.7	2072.2
50°	2216.8	2213.9	2219.8	2231.6	2216.8	2210.9	2187.4	2149.0	2078.1	1977.8	1836.0
52.5°	1924.5	1921.6	1927.7	1942.4	1936.4	1942.4	1918.7	1889.2	1841.9	1744.5	1620.6
55°	1638.3	1638.3	1638.3	1655.9	1655.9	1655.9	1644.2	1626.6	1582.2	1511.3	1396.3
57.5°	1340.2	1343.1	1360.8	1363.7	1360.8	1366.7	1363.7	1346.0	1316.6	1266.4	1177.8
60°	1089.3	1089.3	1098.1	1107.0	1104.0	1107.0	1107.0	1098.1	1068.6	1027.3	956.4
62.5°	861.9	870.8	864.9	870.8	882.6	870.8	864.9	859.0	838.4	811.7	752.8
65°	652.3	658.3	658.3	661.2	655.2	658.3	646.5	637.6	625.9	596.4	557.9
67.5°	495.9	495.9	495.9	495.9	492.9	490.0	487.1	478.2	457.6	445.8	404.3
70°	380.8	363.1	363.1	363.1	363.1	366.1	357.3	345.4	339.4	318.8	289.3
72.5°	253.8	259.7	253.8	253.8	248.0	250.9	239.1	233.2	227.3	215.6	197.9
75°	182.9	168.3	174.1	177.1	168.3	174.1	162.3	150.6	150.6	141.7	132.8
77.5°	118.2	115.2	118.2	121.1	118.2	115.2	109.2	103.2	103.2	100.3	91.5
80°	85.6	82.6	82.6	82.6	79.7	82.6	76.8	76.8	70.8	67.9	62.0
82.5°	56.2	56.2	53.1	56.2	53.1	56.2	47.3	47.3	47.3	44.3	38.5
85°	38.5	32.4	32.4	35.4	29.5	35.4	32.4	29.5	26.6	26.6	23.5
87.5°	17.7	20.6	17.7	20.6	17.7	17.7	20.6	17.7	17.7	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°	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4
2.5°	6015.8	6018.8	6018.8	6030.8	6036.6	6039.5	6039.5	6063.2	6054.3	6060.2	6066.1
5°	5930.3	5948.0	5954.0	5954.0	5986.4	5998.1	6009.9	6036.6	6039.5	6057.2	6077.8
7.5°	5847.6	5868.3	5880.2	5906.7	5927.3	5948.0	5983.4	6001.2	6018.8	6042.5	6069.0
10°	5767.9	5791.6	5815.2	5835.8	5868.3	5894.9	5918.4	5959.8	5980.5	6012.9	6048.4
12.5°	5691.2	5723.7	5744.3	5779.7	5815.2	5838.7	5874.3	5912.6	5945.1	5977.5	6018.8
15°	5623.3	5661.7	5685.3	5723.7	5762.1	5794.6	5832.9	5880.2	5903.7	5942.2	5980.5
17.5°	5549.4	5590.9	5620.4	5655.8	5703.0	5738.4	5770.9	5818.1	5847.6	5888.9	5933.2
20°	5472.8	5514.1	5549.4	5584.9	5632.2	5667.6	5706.0	5753.2	5785.7	5827.0	5862.5
22.5°	5381.2	5419.7	5457.9	5499.3	5546.5	5576.1	5620.4	5661.7	5697.0	5735.5	5770.9
25°	5263.2	5310.5	5340.0	5378.2	5416.7	5449.1	5496.4	5537.6	5567.2	5602.6	5635.2
27.5°	5124.4	5160.0	5183.5	5215.9	5254.4	5283.8	5319.3	5360.6	5390.2	5422.6	5446.2
30°	4888.2	4920.9	4941.5	4965.0	5003.5	5030.0	5059.5	5097.9	5118.5	5142.1	5162.9
32.5°	4578.3	4605.0	4616.7	4634.4	4661.0	4687.6	4711.2	4743.6	4752.5	4767.3	4767.3
35°	4129.8	4135.6	4132.7	4138.6	4150.4	4165.1	4185.7	4206.3	4218.2	4218.2	4209.5
37.5°	3604.2	3568.8	3530.5	3501.0	3492.0	3486.1	3498.0	3506.8	3518.7	3524.5	3509.9
40°	3058.2	2978.5	2892.9	2816.1	2762.9	2739.4	2730.5	2736.4	2736.4	2757.0	2757.0
42.5°	2588.8	2464.7	2338.0	2222.7	2145.9	2087.1	2060.4	2060.4	2063.3	2078.1	2087.1
45°	2199.2	2042.7	1895.1	1768.3	1661.9	1585.1	1549.8	1540.9	1538.0	1543.8	1564.5
47.5°	1901.0	1738.7	1585.1	1428.7	1316.6	1239.8	1207.3	1195.4	1183.7	1195.4	1198.5
50°	1667.8	1499.6	1337.2	1180.7	1062.6	994.8	953.4	935.7	932.8	932.8	938.7
52.5°	1455.2	1298.9	1136.5	977.1	853.1	788.2	749.8	740.9	729.1	740.9	740.9
55°	1254.5	1098.1	938.7	788.2	684.8	617.0	581.5	569.7	563.8	572.6	572.6
57.5°	1036.1	903.2	755.8	619.9	516.7	469.4	442.8	428.0	425.0	430.9	425.0
60°	850.2	738.0	611.1	487.1	407.4	357.3	336.5	330.6	324.6	330.6	330.6
62.5°	673.0	578.5	475.2	380.8	312.9	277.6	253.8	253.8	250.9	250.9	253.8
65°	498.8	425.0	351.2	271.5	218.5	191.8	174.1	174.1	171.2	174.1	171.2
67.5°	363.1	312.9	253.8	197.9	156.5	141.7	129.9	121.1	127.0	121.1	118.2
70°	265.7	224.3	182.9	150.6	121.1	106.3	97.4	94.4	88.6	88.6	88.6
72.5°	177.1	150.6	124.0	97.4	79.7	64.9	62.0	56.2	50.2	53.1	59.1
75°	118.2	100.3	88.6	70.8	53.1	53.1	35.4	35.4	29.5	35.4	26.6
77.5°	82.6	67.9	53.1	44.3	35.4	32.4	23.5	23.5	20.6	20.6	20.6
80°	59.1	50.2	38.5	32.4	23.5	23.5	20.6	17.7	14.7	14.7	17.7
82.5°	35.4	26.6	26.6	23.5	14.7	11.8	8.9	11.8	5.9	5.9	5.9
85°	20.6	17.7	14.7	8.9	5.9	5.9	2.9	0.0	2.9	2.9	0.0
87.5°	11.8	5.9	5.9	2.9	0.0	2.9	2.9	0.0	0.0	0.0	5.9
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°	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4
2.5°	6080.9	6077.8	6083.8	6083.8	6101.6	6098.5	6107.4	6107.4	6101.6	6104.5	6116.3
5°	6101.6	6110.5	6128.1	6142.9	6169.3	6181.3	6196.0	6210.8	6213.7	6222.6	6231.4
7.5°	6101.6	6131.1	6151.7	6178.2	6213.7	6234.3	6266.8	6293.4	6305.2	6319.9	6337.7
10°	6089.6	6119.2	6157.5	6187.1	6231.4	6263.9	6296.3	6337.7	6355.4	6378.9	6402.6
12.5°	6066.1	6098.5	6139.8	6178.2	6228.4	6258.0	6299.2	6337.7	6364.3	6396.7	6423.3
15°	6030.8	6069.0	6107.4	6145.8	6198.9	6234.3	6272.8	6316.9	6343.6	6378.9	6402.6
17.5°	5974.6	6015.8	6051.4	6086.7	6136.9	6178.2	6213.7	6255.0	6281.6	6311.1	6343.6
20°	5906.7	5945.1	5983.4	6012.9	6063.2	6098.5	6136.9	6175.3	6196.0	6201.9	6252.0
22.5°	5821.1	5847.6	5877.2	5924.4	5954.0	5986.4	6021.9	6057.2	6077.8	6110.5	6128.1
25°	5679.3	5706.0	5738.4	5759.0	5794.6	5821.1	5856.4	5894.9	5906.7	5930.3	5948.0
27.5°	5481.7	5496.4	5511.2	5528.8	5549.4	5564.3	5584.9	5602.6	5614.4	5626.2	5638.1
30°	5168.7	5168.7	5168.7	5156.9	5165.8	5174.6	5177.6	5174.6	5174.6	5171.7	5171.7
32.5°	4755.4	4731.9	4705.3	4681.7	4672.8	4661.0	4655.1	4646.2	4631.5	4622.7	4625.6
35°	4197.5	4144.4	4111.9	4082.5	4058.9	4041.1	4032.2	4023.4	4020.5	4008.7	3996.8
37.5°	3501.0	3462.5	3439.0	3421.2	3400.6	3382.8	3385.8	3388.8	3397.5	3391.7	3394.6
40°	2762.9	2754.1	2762.9	2742.3	2736.4	2742.3	2757.0	2777.7	2789.5	2801.4	2822.0
42.5°	2101.8	2116.4	2137.2	2137.2	2145.9	2157.8	2175.5	2208.0	2225.6	2246.4	2270.0
45°	1582.2	1599.9	1626.6	1635.3	1641.3	1655.9	1676.7	1703.2	1715.0	1732.7	1753.4
47.5°	1219.2	1231.0	1245.7	1260.5	1275.1	1281.1	1301.8	1301.8	1316.6	1328.4	1334.2
50°	950.5	962.3	974.0	982.9	988.9	997.8	1003.6	1012.5	1015.4	1021.3	1024.3
52.5°	743.8	758.7	758.7	764.5	773.4	782.2	779.3	782.2	785.1	785.1	794.0
55°	581.5	581.5	590.4	590.4	596.4	593.3	596.4	596.4	596.4	596.4	599.3
57.5°	433.8	437.0	445.8	439.9	437.0	442.8	437.0	442.8	439.9	445.8	437.0
60°	333.5	333.5	336.5	336.5	339.4	339.4	339.4	336.5	336.5	333.5	333.5
62.5°	250.9	253.8	256.8	253.8	253.8	253.8	250.9	250.9	248.0	244.9	244.9
65°	168.3	165.3	171.2	165.3	168.3	168.3	165.3	168.3	159.4	162.3	159.4
67.5°	121.1	118.2	115.2	118.2	115.2	112.1	112.1	115.2	118.2	109.2	109.2
70°	79.7	82.6	79.7	82.6	85.6	85.6	82.6	79.7	82.6	76.8	79.7
72.5°	50.2	50.2	50.2	50.2	50.2	53.1	53.1	53.1	47.3	47.3	44.3
75°	23.5	32.4	26.6	23.5	32.4	32.4	29.5	29.5	26.6	26.6	26.6
77.5°	23.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7	14.7	17.7	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°	5.9	5.9	5.9	0.0	2.9	5.9	5.9	2.9	5.9	5.9	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: P248646

CATALOG NUMBER: LD8B120D010 ER8B120930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4
2.5°	6113.4	6110.5	6113.4	6116.3	6113.4	6110.5	6113.4	6116.3	6104.5	6101.6	6107.4
5°	6243.2	6243.2	6249.0	6252.0	6249.0	6243.2	6243.2	6231.4	6222.6	6213.7	6210.8
7.5°	6355.4	6361.3	6367.2	6370.1	6367.2	6361.3	6355.4	6337.7	6319.9	6305.2	6293.4
10°	6423.3	6432.2	6444.0	6449.8	6444.0	6432.2	6423.3	6402.6	6378.9	6355.4	6337.7
12.5°	6452.8	6461.7	6476.4	6473.4	6476.4	6461.7	6452.8	6423.3	6396.7	6364.3	6337.7
15°	6432.2	6444.0	6458.6	6464.6	6458.6	6444.0	6432.2	6402.6	6378.9	6343.6	6316.9
17.5°	6367.2	6384.9	6393.7	6402.6	6393.7	6384.9	6367.2	6343.6	6311.1	6281.6	6255.0
20°	6278.6	6290.5	6302.3	6305.2	6302.3	6290.5	6278.6	6252.0	6201.9	6196.0	6175.3
22.5°	6151.7	6160.6	6187.1	6178.2	6187.1	6160.6	6151.7	6128.1	6110.5	6077.8	6057.2
25°	5968.7	5977.5	5980.5	5983.4	5980.5	5977.5	5968.7	5948.0	5930.3	5906.7	5894.9
27.5°	5652.9	5652.9	5658.7	5661.7	5658.7	5652.9	5652.9	5638.1	5626.2	5614.4	5602.6
30°	5174.6	5174.6	5174.6	5189.4	5174.6	5174.6	5174.6	5171.7	5171.7	5174.6	5174.6
32.5°	4622.7	4616.7	4610.9	4616.7	4610.9	4616.7	4622.7	4625.6	4622.7	4631.5	4646.2
35°	3996.8	3993.9	4002.8	3991.0	4002.8	3993.9	3996.8	3996.8	4008.7	4020.5	4023.4
37.5°	3397.5	3391.7	3403.5	3391.7	3403.5	3391.7	3397.5	3394.6	3391.7	3397.5	3388.8
40°	2827.9	2833.8	2833.8	2857.4	2833.8	2833.8	2827.9	2822.0	2801.4	2789.5	2777.7
42.5°	2281.8	2299.5	2293.6	2311.3	2293.6	2299.5	2281.8	2270.0	2246.4	2225.6	2208.0
45°	1765.1	1777.1	1777.1	1783.0	1777.1	1777.1	1765.1	1753.4	1732.7	1715.0	1703.2
47.5°	1354.8	1354.8	1354.8	1357.9	1354.8	1354.8	1354.8	1334.2	1328.4	1316.6	1301.8
50°	1030.2	1033.1	1036.1	1039.1	1036.1	1033.1	1030.2	1024.3	1021.3	1015.4	1012.5
52.5°	791.1	794.0	788.2	794.0	788.2	794.0	791.1	794.0	785.1	785.1	782.2
55°	599.3	596.4	599.3	602.2	599.3	596.4	599.3	599.3	596.4	596.4	596.4
57.5°	439.9	433.8	433.8	433.8	433.8	433.8	439.9	437.0	445.8	439.9	442.8
60°	327.7	330.6	330.6	333.5	330.6	330.6	327.7	333.5	333.5	336.5	336.5
62.5°	242.0	250.9	244.9	250.9	244.9	250.9	242.0	244.9	244.9	248.0	250.9
65°	156.5	156.5	156.5	159.4	156.5	156.5	156.5	159.4	162.3	159.4	168.3
67.5°	106.3	109.2	115.2	112.1	115.2	109.2	106.3	109.2	109.2	118.2	115.2
70°	85.6	76.8	76.8	85.6	76.8	76.8	85.6	79.7	76.8	82.6	79.7
72.5°	50.2	44.3	50.2	50.2	50.2	44.3	50.2	44.3	47.3	47.3	53.1
75°	26.6	23.5	20.6	29.5	20.6	23.5	26.6	26.6	26.6	26.6	29.5
77.5°	17.7	14.7	20.6	20.6	20.6	14.7	17.7	14.7	17.7	14.7	17.7
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	5.9	5.9	5.9	5.9	5.9	2.9	2.9	5.9	5.9	2.9
85°	0.0	5.9	2.9	2.9	2.9	5.9	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: P248646

CATALOG NUMBER: LD8B120D010 ER8B120930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4
2.5°	6107.4	6098.5	6101.6	6083.8	6083.8	6077.8	6080.9	6066.1	6060.2	6054.3	6063.2
5°	6196.0	6181.3	6169.3	6142.9	6128.1	6110.5	6101.6	6077.8	6057.2	6039.5	6036.6
7.5°	6266.8	6234.3	6213.7	6178.2	6151.7	6131.1	6101.6	6069.0	6042.5	6018.8	6001.2
10°	6296.3	6263.9	6231.4	6187.1	6157.5	6119.2	6089.6	6048.4	6012.9	5980.5	5959.8
12.5°	6299.2	6258.0	6228.4	6178.2	6139.8	6098.5	6066.1	6018.8	5977.5	5945.1	5912.6
15°	6272.8	6234.3	6198.9	6145.8	6107.4	6069.0	6030.8	5980.5	5942.2	5903.7	5880.2
17.5°	6213.7	6178.2	6136.9	6086.7	6051.4	6015.8	5974.6	5933.2	5888.9	5847.6	5818.1
20°	6136.9	6098.5	6063.2	6012.9	5983.4	5945.1	5906.7	5862.5	5827.0	5785.7	5753.2
22.5°	6021.9	5986.4	5954.0	5924.4	5877.2	5847.6	5821.1	5770.9	5735.5	5697.0	5661.7
25°	5856.4	5821.1	5794.6	5759.0	5738.4	5706.0	5679.3	5635.2	5602.6	5567.2	5537.6
27.5°	5584.9	5564.3	5549.4	5528.8	5511.2	5496.4	5481.7	5446.2	5422.6	5390.2	5360.6
30°	5177.6	5174.6	5165.8	5156.9	5168.7	5168.7	5168.7	5162.9	5142.1	5118.5	5097.9
32.5°	4655.1	4661.0	4672.8	4681.7	4705.3	4731.9	4755.4	4767.3	4767.3	4752.5	4743.6
35°	4032.2	4041.1	4058.9	4082.5	4111.9	4144.4	4197.5	4209.5	4218.2	4218.2	4206.3
37.5°	3385.8	3382.8	3400.6	3421.2	3439.0	3462.5	3501.0	3509.9	3524.5	3518.7	3506.8
40°	2757.0	2742.3	2736.4	2742.3	2762.9	2754.1	2762.9	2757.0	2757.0	2736.4	2736.4
42.5°	2175.5	2157.8	2145.9	2137.2	2137.2	2116.4	2101.8	2087.1	2078.1	2063.3	2060.4
45°	1676.7	1655.9	1641.3	1635.3	1626.6	1599.9	1582.2	1564.5	1543.8	1538.0	1540.9
47.5°	1301.8	1281.1	1275.1	1260.5	1245.7	1231.0	1219.2	1198.5	1195.4	1183.7	1195.4
50°	1003.6	997.8	988.9	982.9	974.0	962.3	950.5	938.7	932.8	932.8	935.7
52.5°	779.3	782.2	773.4	764.5	758.7	758.7	743.8	740.9	740.9	729.1	740.9
55°	596.4	593.3	596.4	590.4	590.4	581.5	581.5	572.6	572.6	563.8	569.7
57.5°	437.0	442.8	437.0	439.9	445.8	437.0	433.8	425.0	430.9	425.0	428.0
60°	339.4	339.4	339.4	336.5	336.5	333.5	333.5	330.6	330.6	324.6	330.6
62.5°	250.9	253.8	253.8	253.8	256.8	253.8	250.9	253.8	250.9	250.9	253.8
65°	165.3	168.3	168.3	165.3	171.2	165.3	168.3	171.2	174.1	171.2	174.1
67.5°	112.1	112.1	115.2	118.2	115.2	118.2	121.1	118.2	121.1	127.0	121.1
70°	82.6	85.6	85.6	82.6	79.7	82.6	79.7	88.6	88.6	88.6	94.4
72.5°	53.1	53.1	50.2	50.2	50.2	50.2	50.2	59.1	53.1	50.2	56.2
75°	29.5	32.4	32.4	23.5	26.6	32.4	23.5	26.6	35.4	29.5	35.4
77.5°	17.7	17.7	17.7	17.7	17.7	17.7	23.5	20.6	20.6	20.6	23.5
80°	14.7	11.8	11.8	8.9	11.8	11.8	11.8	17.7	14.7	14.7	17.7
82.5°	5.9	5.9	2.9	0.0	5.9	5.9	5.9	5.9	5.9	5.9	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	5.9	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: P248646

CATALOG NUMBER: LD8B120D010 ER8B120930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4
2.5°	6039.5	6039.5	6036.6	6030.8	6018.8	6018.8	6015.8	6007.0	6001.2	5998.1	5998.1
5°	6009.9	5998.1	5986.4	5954.0	5954.0	5948.0	5930.3	5918.4	5912.6	5897.8	5892.0
7.5°	5983.4	5948.0	5927.3	5906.7	5880.2	5868.3	5847.6	5838.7	5818.1	5803.4	5794.6
10°	5918.4	5894.9	5868.3	5835.8	5815.2	5791.6	5767.9	5750.3	5723.7	5708.9	5697.0
12.5°	5874.3	5838.7	5815.2	5779.7	5744.3	5723.7	5691.2	5670.6	5644.0	5614.4	5596.7
15°	5832.9	5794.6	5762.1	5723.7	5685.3	5661.7	5623.3	5599.7	5561.4	5531.8	5511.2
17.5°	5770.9	5738.4	5703.0	5655.8	5620.4	5590.9	5549.4	5520.0	5484.6	5446.2	5425.5
20°	5706.0	5667.6	5632.2	5584.9	5549.4	5514.1	5472.8	5440.3	5399.0	5363.5	5340.0
22.5°	5620.4	5576.1	5546.5	5499.3	5457.9	5419.7	5381.2	5342.9	5304.5	5275.0	5248.4
25°	5496.4	5449.1	5416.7	5378.2	5340.0	5310.5	5263.2	5239.7	5201.2	5174.6	5148.0
27.5°	5319.3	5283.8	5254.4	5215.9	5183.5	5160.0	5124.4	5100.9	5068.3	5044.7	5024.1
30°	5059.5	5030.0	5003.5	4965.0	4941.5	4920.9	4888.2	4867.6	4844.1	4817.4	4811.6
32.5°	4711.2	4687.6	4661.0	4634.4	4616.7	4605.0	4578.3	4566.5	4543.0	4528.2	4513.4
35°	4185.7	4165.1	4150.4	4138.6	4132.7	4135.6	4129.8	4141.5	4147.4	4144.4	4147.4
37.5°	3498.0	3486.1	3492.0	3501.0	3530.5	3568.8	3604.2	3657.3	3692.8	3728.2	3760.7
40°	2730.5	2739.4	2762.9	2816.1	2892.9	2978.5	3058.2	3158.5	3258.9	3329.7	3394.6
42.5°	2060.4	2087.1	2145.9	2222.7	2338.0	2464.7	2588.8	2736.4	2857.4	2975.5	3058.2
45°	1549.8	1585.1	1661.9	1768.3	1895.1	2042.7	2199.2	2364.4	2509.1	2630.1	2721.7
47.5°	1207.3	1239.8	1316.6	1428.7	1585.1	1738.7	1901.0	2072.2	2222.7	2340.9	2420.6
50°	953.4	994.8	1062.6	1180.7	1337.2	1499.6	1667.8	1836.0	1977.8	2078.1	2149.0
52.5°	749.8	788.2	853.1	977.1	1136.5	1298.9	1455.2	1620.6	1744.5	1841.9	1889.2
55°	581.5	617.0	684.8	788.2	938.7	1098.1	1254.5	1396.3	1511.3	1582.2	1626.6
57.5°	442.8	469.4	516.7	619.9	755.8	903.2	1036.1	1177.8	1266.4	1316.6	1346.0
60°	336.5	357.3	407.4	487.1	611.1	738.0	850.2	956.4	1027.3	1068.6	1098.1
62.5°	253.8	277.6	312.9	380.8	475.2	578.5	673.0	752.8	811.7	838.4	859.0
65°	174.1	191.8	218.5	271.5	351.2	425.0	498.8	557.9	596.4	625.9	637.6
67.5°	129.9	141.7	156.5	197.9	253.8	312.9	363.1	404.3	445.8	457.6	478.2
70°	97.4	106.3	121.1	150.6	182.9	224.3	265.7	289.3	318.8	339.4	345.4
72.5°	62.0	64.9	79.7	97.4	124.0	150.6	177.1	197.9	215.6	227.3	233.2
75°	35.4	53.1	53.1	70.8	88.6	100.3	118.2	132.8	141.7	150.6	150.6
77.5°	23.5	32.4	35.4	44.3	53.1	67.9	82.6	91.5	100.3	103.2	103.2
80°	20.6	23.5	23.5	32.4	38.5	50.2	59.1	62.0	67.9	70.8	76.8
82.5°	8.9	11.8	14.7	23.5	26.6	26.6	35.4	38.5	44.3	47.3	47.3
85°	2.9	5.9	5.9	8.9	14.7	17.7	20.6	23.5	26.6	26.6	29.5
87.5°	2.9	2.9	0.0	2.9	5.9	5.9	11.8	11.8	11.8	17.7	17.7
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: P248646

CATALOG NUMBER: LD8B120D010 ER8B120930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4	6045.4
2.5°	5992.3	5995.2	5983.4	5980.5	5974.6	5977.5	5983.4
5°	5883.1	5886.0	5874.3	5862.5	5862.5	5859.4	5862.5
7.5°	5779.7	5782.8	5765.0	5759.0	5747.3	5750.3	5750.3
10°	5676.4	5676.4	5650.0	5646.9	5638.1	5635.2	5635.2
12.5°	5576.1	5567.2	5546.5	5534.7	5540.7	5522.9	5522.9
15°	5487.5	5472.8	5446.2	5437.3	5422.6	5416.7	5416.7
17.5°	5396.0	5384.2	5360.6	5342.9	5325.2	5322.3	5325.2
20°	5307.4	5295.6	5266.1	5254.4	5239.7	5239.7	5233.7
22.5°	5218.8	5207.0	5180.6	5171.7	5151.0	5151.0	5154.0
25°	5127.3	5118.5	5089.0	5083.2	5080.3	5068.3	5074.2
27.5°	5003.5	4997.4	4973.9	4965.0	4953.3	4950.3	4956.2
30°	4776.1	4767.3	4749.6	4740.7	4720.1	4723.0	4728.8
32.5°	4492.7	4481.0	4457.3	4448.4	4430.8	4424.8	4427.7
35°	4138.6	4129.8	4109.0	4109.0	4091.3	4085.4	4091.3
37.5°	3778.4	3787.2	3778.4	3787.2	3778.4	3775.4	3778.4
40°	3439.0	3471.4	3477.2	3509.9	3498.0	3515.7	3512.8
42.5°	3114.3	3167.3	3188.1	3214.6	3208.8	3220.5	3229.4
45°	2786.5	2830.9	2851.5	2869.2	2872.2	2878.2	2881.1
47.5°	2476.5	2512.0	2515.0	2535.6	2532.7	2532.7	2541.5
50°	2187.4	2210.9	2216.8	2231.6	2219.8	2213.9	2216.8
52.5°	1918.7	1942.4	1936.4	1942.4	1927.7	1921.6	1924.5
55°	1644.2	1655.9	1655.9	1655.9	1638.3	1638.3	1638.3
57.5°	1363.7	1366.7	1360.8	1363.7	1360.8	1343.1	1340.2
60°	1107.0	1107.0	1104.0	1107.0	1098.1	1089.3	1089.3
62.5°	864.9	870.8	882.6	870.8	864.9	870.8	861.9
65°	646.5	658.3	655.2	661.2	658.3	658.3	652.3
67.5°	487.1	490.0	492.9	495.9	495.9	495.9	495.9
70°	357.3	366.1	363.1	363.1	363.1	363.1	380.8
72.5°	239.1	250.9	248.0	253.8	253.8	259.7	253.8
75°	162.3	174.1	168.3	177.1	174.1	168.3	182.9
77.5°	109.2	115.2	118.2	121.1	118.2	115.2	118.2
80°	76.8	82.6	79.7	82.6	82.6	82.6	85.6
82.5°	47.3	56.2	53.1	56.2	53.1	56.2	56.2
85°	32.4	35.4	29.5	35.4	32.4	32.4	38.5
87.5°	20.6	17.7	17.7	20.6	17.7	20.6	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)