

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: P248854

Luminaire Tested: **LD8B150D010 ER8B150927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248854
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: LD8B150D010 ER8B150927 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11781.0 lumens
Efficiency: N/A
Efficacy: 74.3 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

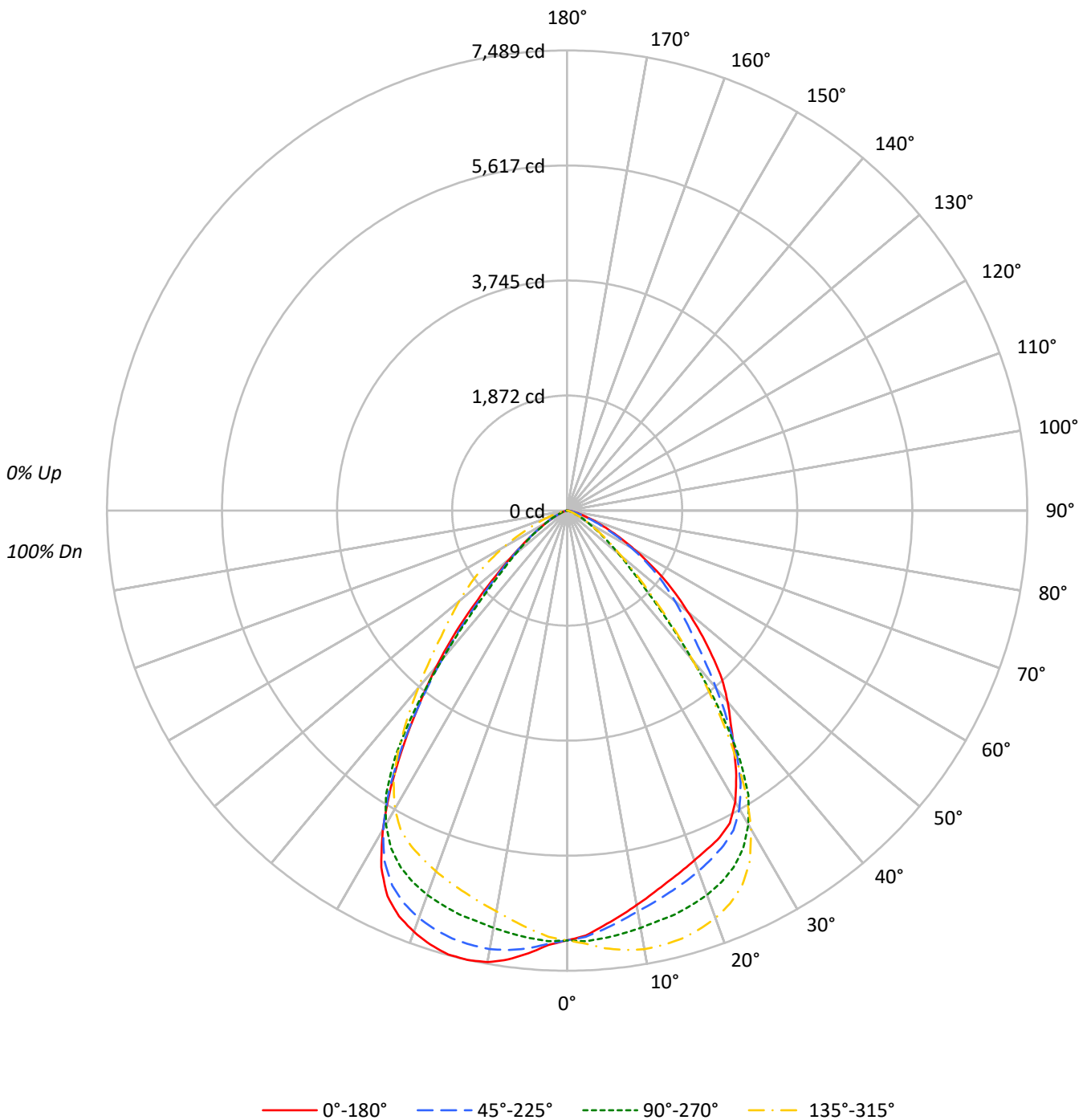
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	665.7	5.7
10°-20°	1927.7	16.4
20°-30°	2919.0	24.8
30°-40°	2925.6	24.8
40°-50°	1837.1	15.6
50°-60°	979.0	8.3
60°-70°	402.6	3.4
70°-80°	106.3	0.9
80°-90°	18.0	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°	5512.4	46.8
0°-40°	8438.0	71.6
0°-60°	11254.1	95.5
0°-90°	11781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11781.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6994	6994	6994	6994	6994	
5°	6782	6984	7233	6984	6782	640
15°	6267	6803	7479	6803	6267	1772
25°	5870	6406	6922	6406	5870	2692
35°	4733	4866	4617	4866	4733	2965
45°	3333	1783	2063	1783	3333	2563
55°	1895	659	697	659	1895	1690
65°	755	201	184	201	755	783
75°	212	41	34	41	212	240
85°	44	0	3	0	44	49
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°	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0
2.5°	6922.4	6915.4	6912.1	6919.0	6922.4	6936.0	6932.6	6939.3	6939.3	6942.8	6949.6
5°	6782.3	6778.8	6782.3	6782.3	6795.9	6809.6	6806.2	6816.5	6823.2	6840.3	6847.1
7.5°	6652.6	6652.6	6649.1	6662.7	6669.6	6690.2	6686.6	6703.8	6714.0	6731.0	6755.0
10°	6519.3	6519.3	6522.6	6533.0	6536.5	6567.1	6567.1	6591.0	6604.6	6621.8	6652.6
12.5°	6389.6	6389.6	6410.1	6403.2	6416.9	6440.7	6451.0	6474.9	6495.4	6529.6	6560.3
15°	6266.6	6266.6	6273.4	6290.4	6300.8	6331.5	6348.5	6375.9	6399.8	6434.0	6478.4
17.5°	6160.7	6157.3	6160.7	6181.2	6201.8	6229.0	6242.6	6276.8	6300.8	6345.1	6386.2
20°	6054.9	6061.7	6061.7	6078.8	6092.4	6126.5	6140.2	6177.8	6205.2	6246.0	6294.0
22.5°	5962.7	5959.3	5959.3	5983.2	5993.4	6024.2	6037.8	6071.8	6102.7	6136.9	6181.2
25°	5870.5	5863.6	5877.3	5880.7	5887.5	5921.7	5931.9	5955.8	5986.6	6017.4	6061.7
27.5°	5733.8	5727.0	5730.4	5744.1	5754.4	5781.6	5788.5	5812.4	5836.3	5863.6	5901.3
30°	5470.9	5464.1	5460.8	5484.6	5494.8	5515.2	5525.6	5566.6	5573.2	5604.1	5631.4
32.5°	5122.5	5119.1	5126.1	5146.4	5156.7	5184.1	5197.7	5221.6	5238.6	5255.8	5283.0
35°	4733.3	4726.3	4733.3	4753.8	4753.8	4777.7	4788.0	4798.1	4794.8	4798.1	4791.4
37.5°	4371.3	4367.8	4371.3	4381.4	4371.3	4381.4	4371.3	4350.8	4313.2	4272.2	4231.1
40°	4064.0	4067.3	4046.8	4060.6	4022.9	4016.1	3978.6	3927.3	3852.2	3770.2	3654.1
42.5°	3736.1	3725.9	3712.2	3718.9	3688.3	3664.2	3602.8	3538.0	3442.3	3305.8	3165.6
45°	3333.2	3329.8	3322.8	3319.4	3299.0	3275.1	3223.7	3148.6	3042.8	2902.8	2735.4
47.5°	2940.4	2930.1	2930.1	2933.4	2909.6	2906.2	2865.2	2800.4	2708.1	2571.5	2397.4
50°	2564.7	2561.3	2568.2	2581.8	2564.7	2557.9	2530.6	2486.1	2404.2	2288.1	2124.1
52.5°	2226.6	2223.2	2230.1	2247.1	2240.2	2247.1	2219.8	2185.6	2131.0	2018.2	1874.9
55°	1895.4	1895.4	1895.4	1915.8	1915.8	1915.8	1902.2	1881.8	1830.5	1748.5	1615.4
57.5°	1550.5	1553.9	1574.3	1577.7	1574.3	1581.2	1577.7	1557.2	1523.1	1465.1	1362.6
60°	1260.2	1260.2	1270.5	1280.7	1277.2	1280.7	1280.7	1270.5	1236.3	1188.4	1106.6
62.5°	997.2	1007.4	1000.6	1007.4	1021.0	1007.4	1000.6	993.8	969.9	939.2	870.9
65°	754.6	761.6	761.6	765.0	758.0	761.6	747.9	737.7	724.1	689.8	645.5
67.5°	573.8	573.8	573.8	573.8	570.3	566.9	563.5	553.3	529.4	515.7	467.8
70°	440.6	420.0	420.0	420.0	420.0	423.6	413.2	399.6	392.7	368.9	334.7
72.5°	293.6	300.5	293.6	293.6	286.9	290.2	276.6	269.8	263.0	249.4	228.8
75°	211.7	194.7	201.4	205.0	194.7	201.4	187.8	174.2	174.2	163.9	153.7
77.5°	136.6	133.3	136.6	140.0	136.6	133.3	126.3	119.5	119.5	116.1	105.9
80°	99.1	95.6	95.6	95.6	92.2	95.6	88.9	88.9	81.9	78.5	71.7
82.5°	64.9	64.9	61.4	64.9	61.4	64.9	54.7	54.7	54.7	51.2	44.4
85°	44.4	37.6	37.6	41.1	34.2	41.1	37.6	34.2	30.8	30.8	27.2
87.5°	20.5	23.8	20.5	23.8	20.5	20.5	23.8	20.5	20.5	13.6	13.6
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°	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0
2.5°	6959.8	6963.2	6963.2	6977.0	6983.8	6987.2	6987.2	7014.5	7004.2	7011.1	7017.9
5°	6860.9	6881.3	6888.2	6888.2	6925.7	6939.3	6953.0	6983.8	6987.2	7007.6	7031.6
7.5°	6765.2	6789.0	6802.9	6833.5	6857.3	6881.3	6922.4	6942.8	6963.2	6990.6	7021.2
10°	6672.9	6700.4	6727.6	6751.6	6789.0	6819.9	6847.1	6894.9	6919.0	6956.4	6997.4
12.5°	6584.3	6621.8	6645.7	6686.6	6727.6	6755.0	6795.9	6840.3	6877.9	6915.4	6963.2
15°	6505.7	6550.1	6577.3	6621.8	6666.2	6703.8	6748.2	6802.9	6830.1	6874.5	6919.0
17.5°	6420.3	6468.2	6502.3	6543.2	6597.9	6638.8	6676.4	6731.0	6765.2	6813.0	6864.3
20°	6331.5	6379.3	6420.3	6461.2	6515.9	6556.8	6601.3	6656.0	6693.5	6741.2	6782.3
22.5°	6225.6	6270.1	6314.4	6362.2	6416.9	6451.0	6502.3	6550.1	6591.0	6635.5	6676.4
25°	6089.1	6143.7	6177.8	6222.2	6266.6	6304.2	6358.8	6406.5	6440.7	6481.8	6519.3
27.5°	5928.5	5969.6	5996.8	6034.4	6078.8	6112.9	6153.9	6201.8	6236.0	6273.4	6300.8
30°	5655.3	5693.0	5716.8	5744.1	5788.5	5819.3	5853.5	5897.7	5921.7	5949.0	5973.0
32.5°	5296.7	5327.4	5341.0	5361.6	5392.3	5423.1	5450.4	5488.0	5498.2	5515.2	5515.2
35°	4777.7	4784.4	4781.0	4788.0	4801.6	4818.6	4842.4	4866.4	4880.0	4880.0	4869.9
37.5°	4169.7	4128.9	4084.4	4050.2	4040.0	4033.1	4046.8	4057.0	4070.8	4077.6	4060.6
40°	3538.0	3445.9	3346.8	3257.9	3196.5	3169.2	3158.9	3165.6	3165.6	3189.6	3189.6
42.5°	2995.1	2851.5	2704.7	2571.5	2482.6	2414.5	2383.8	2383.8	2387.1	2404.2	2414.5
45°	2544.3	2363.2	2192.4	2045.7	1922.6	1833.9	1792.9	1782.7	1779.3	1786.0	1809.9
47.5°	2199.3	2011.5	1833.9	1653.0	1523.1	1434.4	1396.8	1383.1	1369.4	1383.1	1386.6
50°	1929.6	1734.9	1547.1	1366.0	1229.4	1150.8	1103.1	1082.5	1079.1	1079.1	1086.0
52.5°	1683.6	1502.7	1314.9	1130.4	987.0	911.8	867.5	857.1	843.5	857.1	857.1
55°	1451.4	1270.5	1086.0	911.8	792.2	713.8	672.8	659.1	652.3	662.5	662.5
57.5°	1198.8	1045.0	874.4	717.2	597.7	543.0	512.2	495.2	491.7	498.6	491.7
60°	983.6	853.8	706.9	563.5	471.3	413.2	389.4	382.5	375.6	382.5	382.5
62.5°	778.6	669.4	549.8	440.6	361.9	321.1	293.6	293.6	290.2	290.2	293.6
65°	577.1	491.7	406.3	314.2	252.8	222.0	201.4	201.4	198.1	201.4	198.1
67.5°	420.0	361.9	293.6	228.8	181.0	163.9	150.3	140.0	146.9	140.0	136.6
70°	307.5	259.5	211.7	174.2	140.0	123.0	112.7	109.2	102.5	102.5	102.5
72.5°	205.0	174.2	143.3	112.7	92.2	75.0	71.7	64.9	58.0	61.4	68.3
75°	136.6	116.1	102.5	81.9	61.4	61.4	41.1	41.1	34.2	41.1	30.8
77.5°	95.6	78.5	61.4	51.2	41.1	37.6	27.2	27.2	23.8	23.8	23.8
80°	68.3	58.0	44.4	37.6	27.2	27.2	23.8	20.5	17.0	17.0	20.5
82.5°	41.1	30.8	30.8	27.2	17.0	13.6	10.2	13.6	6.9	6.9	6.9
85°	23.8	20.5	17.0	10.2	6.9	6.9	3.4	0.0	3.4	3.4	0.0
87.5°	13.6	6.9	6.9	3.4	0.0	3.4	3.4	0.0	0.0	0.0	6.9
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°	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0
2.5°	7035.1	7031.6	7038.4	7038.4	7058.9	7055.4	7065.7	7065.7	7058.9	7062.3	7075.9
5°	7058.9	7069.2	7089.6	7106.7	7137.3	7151.2	7168.2	7185.3	7188.6	7199.0	7209.2
7.5°	7058.9	7093.1	7117.0	7147.7	7188.6	7212.6	7250.1	7280.9	7294.5	7311.6	7332.1
10°	7045.2	7079.3	7123.7	7157.9	7209.2	7246.8	7284.3	7332.1	7352.6	7379.9	7407.2
12.5°	7017.9	7055.4	7103.2	7147.7	7205.7	7239.8	7287.6	7332.1	7362.9	7400.4	7431.2
15°	6977.0	7021.2	7065.7	7110.1	7171.5	7212.6	7257.0	7308.2	7338.9	7379.9	7407.2
17.5°	6912.1	6959.8	7000.9	7041.8	7099.9	7147.7	7188.6	7236.4	7267.3	7301.5	7338.9
20°	6833.5	6877.9	6922.4	6956.4	7014.5	7055.4	7099.9	7144.3	7168.2	7175.0	7233.1
22.5°	6734.5	6765.2	6799.3	6854.0	6888.2	6925.7	6966.8	7007.6	7031.6	7069.2	7089.6
25°	6570.4	6601.3	6638.8	6662.7	6703.8	6734.5	6775.4	6819.9	6833.5	6860.9	6881.3
27.5°	6341.7	6358.8	6375.9	6396.3	6420.3	6437.4	6461.2	6481.8	6495.4	6509.0	6522.6
30°	5979.7	5979.7	5979.7	5966.1	5976.3	5986.6	5990.0	5986.6	5986.6	5983.2	5983.2
32.5°	5501.6	5474.4	5443.5	5416.3	5406.1	5392.3	5385.5	5375.2	5358.3	5348.0	5351.4
35°	4856.2	4794.8	4757.2	4723.0	4695.8	4675.3	4664.9	4654.7	4651.3	4637.7	4624.0
37.5°	4050.2	4005.9	3978.6	3958.1	3934.1	3913.6	3917.0	3920.5	3930.6	3923.9	3927.3
40°	3196.5	3186.2	3196.5	3172.6	3165.6	3172.6	3189.6	3213.7	3227.3	3240.9	3264.8
42.5°	2431.5	2448.6	2472.5	2472.5	2482.6	2496.5	2516.8	2554.5	2574.9	2598.8	2626.2
45°	1830.5	1851.0	1881.8	1891.9	1898.8	1915.8	1939.8	1970.4	1984.0	2004.6	2028.5
47.5°	1410.4	1424.0	1441.1	1458.2	1475.2	1482.1	1506.0	1506.0	1523.1	1536.9	1543.6
50°	1099.7	1113.3	1126.9	1137.1	1144.0	1154.4	1161.1	1171.4	1174.7	1181.6	1185.0
52.5°	860.5	877.7	877.7	884.5	894.7	905.0	901.6	905.0	908.3	908.3	918.6
55°	672.8	672.8	683.0	683.0	689.8	686.4	689.8	689.8	689.8	689.8	693.2
57.5°	502.0	505.5	515.7	508.8	505.5	512.2	505.5	512.2	508.8	515.7	505.5
60°	385.9	385.9	389.4	389.4	392.7	392.7	392.7	389.4	389.4	385.9	385.9
62.5°	290.2	293.6	297.1	293.6	293.6	293.6	290.2	290.2	286.9	283.4	283.4
65°	194.7	191.4	198.1	191.4	194.7	194.7	191.4	194.7	184.4	187.8	184.4
67.5°	140.0	136.6	133.3	136.6	133.3	129.7	129.7	133.3	136.6	126.3	126.3
70°	92.2	95.6	92.2	95.6	99.1	99.1	95.6	92.2	95.6	88.9	92.2
72.5°	58.0	58.0	58.0	58.0	58.0	61.4	61.4	61.4	54.7	54.7	51.2
75°	27.2	37.6	30.8	27.2	37.6	37.6	34.2	34.2	30.8	30.8	30.8
77.5°	27.2	20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.0	20.5	17.0
80°	13.6	13.6	13.6	10.2	13.6	13.6	17.0	13.6	13.6	10.2	17.0
82.5°	6.9	6.9	6.9	0.0	3.4	6.9	6.9	3.4	6.9	6.9	3.4
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: P248854

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0
2.5°	7072.5	7069.2	7072.5	7075.9	7072.5	7069.2	7072.5	7075.9	7062.3	7058.9	7065.7
5°	7222.8	7222.8	7229.6	7233.1	7229.6	7222.8	7222.8	7209.2	7199.0	7188.6	7185.3
7.5°	7352.6	7359.5	7366.3	7369.6	7366.3	7359.5	7352.6	7332.1	7311.6	7294.5	7280.9
10°	7431.2	7441.4	7455.0	7461.8	7455.0	7441.4	7431.2	7407.2	7379.9	7352.6	7332.1
12.5°	7465.3	7475.6	7492.6	7489.2	7492.6	7475.6	7465.3	7431.2	7400.4	7362.9	7332.1
15°	7441.4	7455.0	7472.0	7479.0	7472.0	7455.0	7441.4	7407.2	7379.9	7338.9	7308.2
17.5°	7366.3	7386.8	7397.0	7407.2	7397.0	7386.8	7366.3	7338.9	7301.5	7267.3	7236.4
20°	7263.8	7277.5	7291.1	7294.5	7291.1	7277.5	7263.8	7233.1	7175.0	7168.2	7144.3
22.5°	7117.0	7127.2	7157.9	7147.7	7157.9	7127.2	7117.0	7089.6	7069.2	7031.6	7007.6
25°	6905.1	6915.4	6919.0	6922.4	6919.0	6915.4	6905.1	6881.3	6860.9	6833.5	6819.9
27.5°	6539.8	6539.8	6546.6	6550.1	6546.6	6539.8	6539.8	6522.6	6509.0	6495.4	6481.8
30°	5986.6	5986.6	5986.6	6003.7	5986.6	5986.6	5986.6	5983.2	5983.2	5986.6	5986.6
32.5°	5348.0	5341.0	5334.3	5341.0	5334.3	5341.0	5348.0	5351.4	5348.0	5358.3	5375.2
35°	4624.0	4620.6	4630.8	4617.2	4630.8	4620.6	4624.0	4624.0	4637.7	4651.3	4654.7
37.5°	3930.6	3923.9	3937.5	3923.9	3937.5	3923.9	3930.6	3927.3	3923.9	3930.6	3920.5
40°	3271.7	3278.5	3278.5	3305.8	3278.5	3278.5	3271.7	3264.8	3240.9	3227.3	3213.7
42.5°	2639.8	2660.4	2653.4	2674.0	2653.4	2660.4	2639.8	2626.2	2598.8	2574.9	2554.5
45°	2042.1	2055.9	2055.9	2062.7	2055.9	2055.9	2042.1	2028.5	2004.6	1984.0	1970.4
47.5°	1567.5	1567.5	1567.5	1571.0	1567.5	1567.5	1567.5	1543.6	1536.9	1523.1	1506.0
50°	1191.8	1195.2	1198.8	1202.2	1198.8	1195.2	1191.8	1185.0	1181.6	1174.7	1171.4
52.5°	915.2	918.6	911.8	918.6	911.8	918.6	915.2	918.6	908.3	908.3	905.0
55°	693.2	689.8	693.2	696.6	693.2	689.8	693.2	693.2	689.8	689.8	689.8
57.5°	508.8	502.0	502.0	502.0	502.0	502.0	508.8	505.5	515.7	508.8	512.2
60°	379.1	382.5	382.5	385.9	382.5	382.5	379.1	385.9	385.9	389.4	389.4
62.5°	280.0	290.2	283.4	290.2	283.4	290.2	280.0	283.4	283.4	286.9	290.2
65°	181.0	181.0	181.0	184.4	181.0	181.0	181.0	184.4	187.8	184.4	194.7
67.5°	123.0	126.3	133.3	129.7	133.3	126.3	123.0	126.3	126.3	136.6	133.3
70°	99.1	88.9	88.9	99.1	88.9	88.9	99.1	92.2	88.9	95.6	92.2
72.5°	58.0	51.2	58.0	58.0	58.0	51.2	58.0	51.2	54.7	54.7	61.4
75°	30.8	27.2	23.8	34.2	23.8	27.2	30.8	30.8	30.8	30.8	34.2
77.5°	20.5	17.0	23.8	23.8	23.8	17.0	20.5	17.0	20.5	17.0	20.5
80°	10.2	13.6	10.2	17.0	10.2	13.6	10.2	17.0	10.2	13.6	13.6
82.5°	3.4	6.9	6.9	6.9	6.9	6.9	3.4	3.4	6.9	6.9	3.4
85°	0.0	6.9	3.4	3.4	3.4	6.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	0.0	0.0	3.4	0.0	0.0	3.4	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: P248854

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0
2.5°	7065.7	7055.4	7058.9	7038.4	7038.4	7031.6	7035.1	7017.9	7011.1	7004.2	7014.5
5°	7168.2	7151.2	7137.3	7106.7	7089.6	7069.2	7058.9	7031.6	7007.6	6987.2	6983.8
7.5°	7250.1	7212.6	7188.6	7147.7	7117.0	7093.1	7058.9	7021.2	6990.6	6963.2	6942.8
10°	7284.3	7246.8	7209.2	7157.9	7123.7	7079.3	7045.2	6997.4	6956.4	6919.0	6894.9
12.5°	7287.6	7239.8	7205.7	7147.7	7103.2	7055.4	7017.9	6963.2	6915.4	6877.9	6840.3
15°	7257.0	7212.6	7171.5	7110.1	7065.7	7021.2	6977.0	6919.0	6874.5	6830.1	6802.9
17.5°	7188.6	7147.7	7099.9	7041.8	7000.9	6959.8	6912.1	6864.3	6813.0	6765.2	6731.0
20°	7099.9	7055.4	7014.5	6956.4	6922.4	6877.9	6833.5	6782.3	6741.2	6693.5	6656.0
22.5°	6966.8	6925.7	6888.2	6854.0	6799.3	6765.2	6734.5	6676.4	6635.5	6591.0	6550.1
25°	6775.4	6734.5	6703.8	6662.7	6638.8	6601.3	6570.4	6519.3	6481.8	6440.7	6406.5
27.5°	6461.2	6437.4	6420.3	6396.3	6375.9	6358.8	6341.7	6300.8	6273.4	6236.0	6201.8
30°	5990.0	5986.6	5976.3	5966.1	5979.7	5979.7	5979.7	5973.0	5949.0	5921.7	5897.7
32.5°	5385.5	5392.3	5406.1	5416.3	5443.5	5474.4	5501.6	5515.2	5515.2	5498.2	5488.0
35°	4664.9	4675.3	4695.8	4723.0	4757.2	4794.8	4856.2	4869.9	4880.0	4880.0	4866.4
37.5°	3917.0	3913.6	3934.1	3958.1	3978.6	4005.9	4050.2	4060.6	4077.6	4070.8	4057.0
40°	3189.6	3172.6	3165.6	3172.6	3196.5	3186.2	3196.5	3189.6	3189.6	3165.6	3165.6
42.5°	2516.8	2496.5	2482.6	2472.5	2472.5	2448.6	2431.5	2414.5	2404.2	2387.1	2383.8
45°	1939.8	1915.8	1898.8	1891.9	1881.8	1851.0	1830.5	1809.9	1786.0	1779.3	1782.7
47.5°	1506.0	1482.1	1475.2	1458.2	1441.1	1424.0	1410.4	1386.6	1383.1	1369.4	1383.1
50°	1161.1	1154.4	1144.0	1137.1	1126.9	1113.3	1099.7	1086.0	1079.1	1079.1	1082.5
52.5°	901.6	905.0	894.7	884.5	877.7	877.7	860.5	857.1	857.1	843.5	857.1
55°	689.8	686.4	689.8	683.0	683.0	672.8	672.8	662.5	662.5	652.3	659.1
57.5°	505.5	512.2	505.5	508.8	515.7	505.5	502.0	491.7	498.6	491.7	495.2
60°	392.7	392.7	392.7	389.4	389.4	385.9	385.9	382.5	382.5	375.6	382.5
62.5°	290.2	293.6	293.6	293.6	297.1	293.6	290.2	293.6	290.2	290.2	293.6
65°	191.4	194.7	194.7	191.4	198.1	191.4	194.7	198.1	201.4	198.1	201.4
67.5°	129.7	129.7	133.3	136.6	133.3	136.6	140.0	136.6	140.0	146.9	140.0
70°	95.6	99.1	99.1	95.6	92.2	95.6	92.2	102.5	102.5	102.5	109.2
72.5°	61.4	61.4	58.0	58.0	58.0	58.0	58.0	68.3	61.4	58.0	64.9
75°	34.2	37.6	37.6	27.2	30.8	37.6	27.2	30.8	41.1	34.2	41.1
77.5°	20.5	20.5	20.5	20.5	20.5	20.5	27.2	23.8	23.8	23.8	27.2
80°	17.0	13.6	13.6	10.2	13.6	13.6	13.6	20.5	17.0	17.0	20.5
82.5°	6.9	6.9	3.4	0.0	6.9	6.9	6.9	6.9	6.9	6.9	13.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	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: P248854

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0
2.5°	6987.2	6987.2	6983.8	6977.0	6963.2	6963.2	6959.8	6949.6	6942.8	6939.3	6939.3
5°	6953.0	6939.3	6925.7	6888.2	6888.2	6881.3	6860.9	6847.1	6840.3	6823.2	6816.5
7.5°	6922.4	6881.3	6857.3	6833.5	6802.9	6789.0	6765.2	6755.0	6731.0	6714.0	6703.8
10°	6847.1	6819.9	6789.0	6751.6	6727.6	6700.4	6672.9	6652.6	6621.8	6604.6	6591.0
12.5°	6795.9	6755.0	6727.6	6686.6	6645.7	6621.8	6584.3	6560.3	6529.6	6495.4	6474.9
15°	6748.2	6703.8	6666.2	6621.8	6577.3	6550.1	6505.7	6478.4	6434.0	6399.8	6375.9
17.5°	6676.4	6638.8	6597.9	6543.2	6502.3	6468.2	6420.3	6386.2	6345.1	6300.8	6276.8
20°	6601.3	6556.8	6515.9	6461.2	6420.3	6379.3	6331.5	6294.0	6246.0	6205.2	6177.8
22.5°	6502.3	6451.0	6416.9	6362.2	6314.4	6270.1	6225.6	6181.2	6136.9	6102.7	6071.8
25°	6358.8	6304.2	6266.6	6222.2	6177.8	6143.7	6089.1	6061.7	6017.4	5986.6	5955.8
27.5°	6153.9	6112.9	6078.8	6034.4	5996.8	5969.6	5928.5	5901.3	5863.6	5836.3	5812.4
30°	5853.5	5819.3	5788.5	5744.1	5716.8	5693.0	5655.3	5631.4	5604.1	5573.2	5566.6
32.5°	5450.4	5423.1	5392.3	5361.6	5341.0	5327.4	5296.7	5283.0	5255.8	5238.6	5221.6
35°	4842.4	4818.6	4801.6	4788.0	4781.0	4784.4	4777.7	4791.4	4798.1	4794.8	4798.1
37.5°	4046.8	4033.1	4040.0	4050.2	4084.4	4128.9	4169.7	4231.1	4272.2	4313.2	4350.8
40°	3158.9	3169.2	3196.5	3257.9	3346.8	3445.9	3538.0	3654.1	3770.2	3852.2	3927.3
42.5°	2383.8	2414.5	2482.6	2571.5	2704.7	2851.5	2995.1	3165.6	3305.8	3442.3	3538.0
45°	1792.9	1833.9	1922.6	2045.7	2192.4	2363.2	2544.3	2735.4	2902.8	3042.8	3148.6
47.5°	1396.8	1434.4	1523.1	1653.0	1833.9	2011.5	2199.3	2397.4	2571.5	2708.1	2800.4
50°	1103.1	1150.8	1229.4	1366.0	1547.1	1734.9	1929.6	2124.1	2288.1	2404.2	2486.1
52.5°	867.5	911.8	987.0	1130.4	1314.9	1502.7	1683.6	1874.9	2018.2	2131.0	2185.6
55°	672.8	713.8	792.2	911.8	1086.0	1270.5	1451.4	1615.4	1748.5	1830.5	1881.8
57.5°	512.2	543.0	597.7	717.2	874.4	1045.0	1198.8	1362.6	1465.1	1523.1	1557.2
60°	389.4	413.2	471.3	563.5	706.9	853.8	983.6	1106.6	1188.4	1236.3	1270.5
62.5°	293.6	321.1	361.9	440.6	549.8	669.4	778.6	870.9	939.2	969.9	993.8
65°	201.4	222.0	252.8	314.2	406.3	491.7	577.1	645.5	689.8	724.1	737.7
67.5°	150.3	163.9	181.0	228.8	293.6	361.9	420.0	467.8	515.7	529.4	553.3
70°	112.7	123.0	140.0	174.2	211.7	259.5	307.5	334.7	368.9	392.7	399.6
72.5°	71.7	75.0	92.2	112.7	143.3	174.2	205.0	228.8	249.4	263.0	269.8
75°	41.1	61.4	61.4	81.9	102.5	116.1	136.6	153.7	163.9	174.2	174.2
77.5°	27.2	37.6	41.1	51.2	61.4	78.5	95.6	105.9	116.1	119.5	119.5
80°	23.8	27.2	27.2	37.6	44.4	58.0	68.3	71.7	78.5	81.9	88.9
82.5°	10.2	13.6	17.0	27.2	30.8	30.8	41.1	44.4	51.2	54.7	54.7
85°	3.4	6.9	6.9	10.2	17.0	20.5	23.8	27.2	30.8	30.8	34.2
87.5°	3.4	3.4	0.0	3.4	6.9	6.9	13.6	13.6	13.6	20.5	20.5
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: P248854

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0	6994.0
2.5°	6932.6	6936.0	6922.4	6919.0	6912.1	6915.4	6922.4
5°	6806.2	6809.6	6795.9	6782.3	6782.3	6778.8	6782.3
7.5°	6686.6	6690.2	6669.6	6662.7	6649.1	6652.6	6652.6
10°	6567.1	6567.1	6536.5	6533.0	6522.6	6519.3	6519.3
12.5°	6451.0	6440.7	6416.9	6403.2	6410.1	6389.6	6389.6
15°	6348.5	6331.5	6300.8	6290.4	6273.4	6266.6	6266.6
17.5°	6242.6	6229.0	6201.8	6181.2	6160.7	6157.3	6160.7
20°	6140.2	6126.5	6092.4	6078.8	6061.7	6061.7	6054.9
22.5°	6037.8	6024.2	5993.4	5983.2	5959.3	5959.3	5962.7
25°	5931.9	5921.7	5887.5	5880.7	5877.3	5863.6	5870.5
27.5°	5788.5	5781.6	5754.4	5744.1	5730.4	5727.0	5733.8
30°	5525.6	5515.2	5494.8	5484.6	5460.8	5464.1	5470.9
32.5°	5197.7	5184.1	5156.7	5146.4	5126.1	5119.1	5122.5
35°	4788.0	4777.7	4753.8	4753.8	4733.3	4726.3	4733.3
37.5°	4371.3	4381.4	4371.3	4381.4	4371.3	4367.8	4371.3
40°	3978.6	4016.1	4022.9	4060.6	4046.8	4067.3	4064.0
42.5°	3602.8	3664.2	3688.3	3718.9	3712.2	3725.9	3736.1
45°	3223.7	3275.1	3299.0	3319.4	3322.8	3329.8	3333.2
47.5°	2865.2	2906.2	2909.6	2933.4	2930.1	2930.1	2940.4
50°	2530.6	2557.9	2564.7	2581.8	2568.2	2561.3	2564.7
52.5°	2219.8	2247.1	2240.2	2247.1	2230.1	2223.2	2226.6
55°	1902.2	1915.8	1915.8	1915.8	1895.4	1895.4	1895.4
57.5°	1577.7	1581.2	1574.3	1577.7	1574.3	1553.9	1550.5
60°	1280.7	1280.7	1277.2	1280.7	1270.5	1260.2	1260.2
62.5°	1000.6	1007.4	1021.0	1007.4	1000.6	1007.4	997.2
65°	747.9	761.6	758.0	765.0	761.6	761.6	754.6
67.5°	563.5	566.9	570.3	573.8	573.8	573.8	573.8
70°	413.2	423.6	420.0	420.0	420.0	420.0	440.6
72.5°	276.6	290.2	286.9	293.6	293.6	300.5	293.6
75°	187.8	201.4	194.7	205.0	201.4	194.7	211.7
77.5°	126.3	133.3	136.6	140.0	136.6	133.3	136.6
80°	88.9	95.6	92.2	95.6	95.6	95.6	99.1
82.5°	54.7	64.9	61.4	64.9	61.4	64.9	64.9
85°	37.6	41.1	34.2	41.1	37.6	37.6	44.4
87.5°	23.8	20.5	20.5	23.8	20.5	23.8	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)