

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: P248647

Luminaire Tested: **LD8B150D010 ER8B1509730 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248647
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 ER8B1509730 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: 11972.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

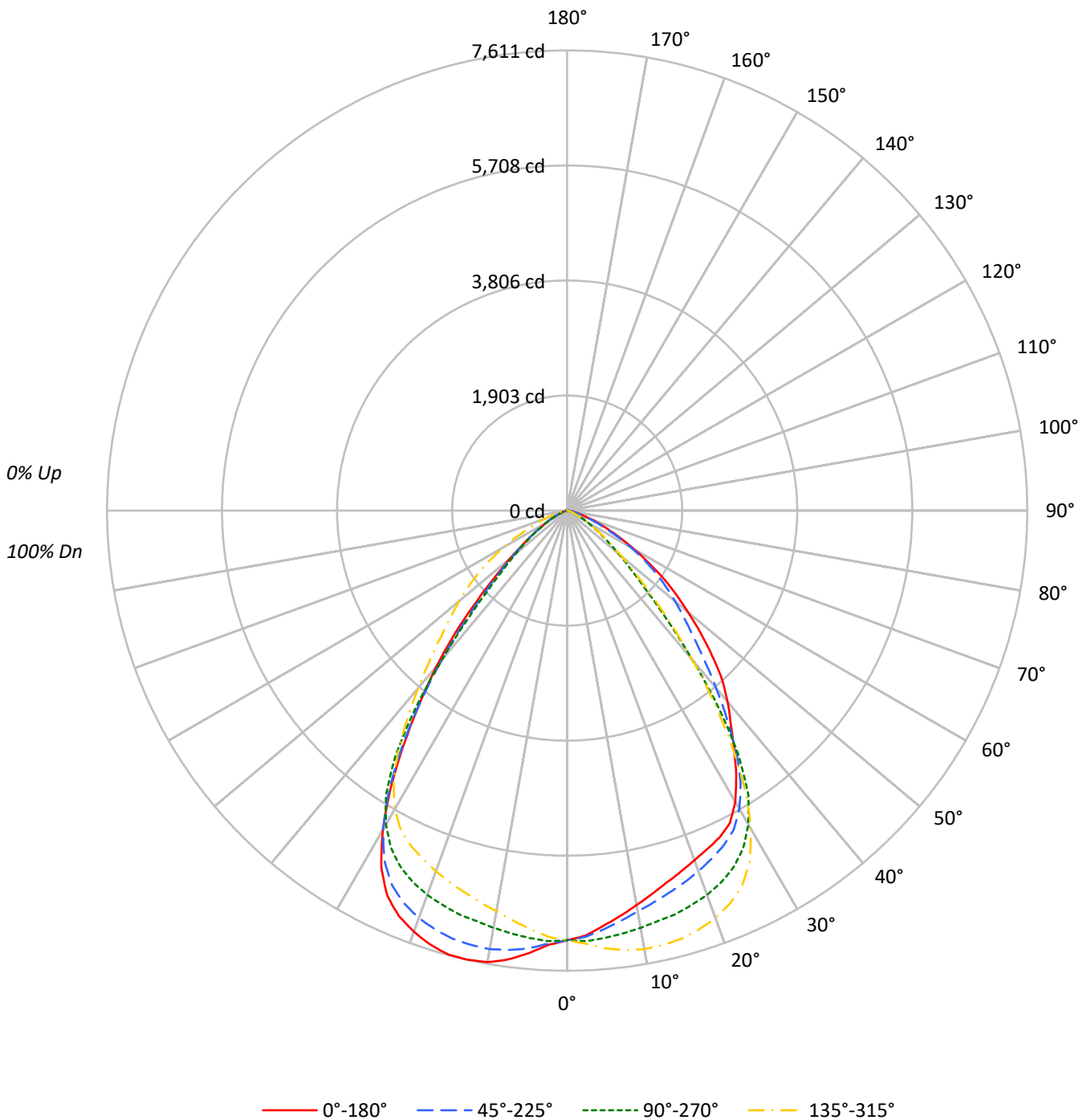
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	676.5	5.7
10°-20°	1959.0	16.4
20°-30°	2966.3	24.8
30°-40°	2973.0	24.8
40°-50°	1866.9	15.6
50°-60°	994.9	8.3
60°-70°	409.1	3.4
70°-80°	108.1	0.9
80°-90°	18.3	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°	5601.8	46.8
0°-40°	8574.8	71.6
0°-60°	11436.5	95.5
0°-90°	11972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11972.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7107	7107	7107	7107	7107	
5°	6892	7097	7350	7097	6892	650
15°	6368	6913	7600	6913	6368	1801
25°	5966	6510	7034	6510	5966	2736
35°	4810	4945	4692	4945	4810	3013
45°	3387	1812	2096	1812	3387	2605
55°	1926	670	708	670	1926	1717
65°	767	205	187	205	767	796
75°	215	42	35	42	215	244
85°	45	0	3	0	45	50
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°	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4
2.5°	7034.5	7027.5	7024.1	7031.1	7034.5	7048.4	7045.0	7051.8	7051.8	7055.4	7062.3
5°	6892.3	6888.7	6892.3	6892.3	6906.1	6920.0	6916.6	6927.0	6933.8	6951.3	6958.1
7.5°	6760.4	6760.4	6756.9	6770.7	6777.7	6798.6	6795.0	6812.4	6822.8	6840.1	6864.4
10°	6625.0	6625.0	6628.4	6638.9	6642.4	6673.6	6673.6	6697.9	6711.7	6729.1	6760.4
12.5°	6493.2	6493.2	6514.0	6507.0	6520.9	6545.2	6555.6	6579.9	6600.7	6635.4	6666.7
15°	6368.2	6368.2	6375.2	6392.5	6402.9	6434.2	6451.5	6479.3	6503.6	6538.3	6583.4
17.5°	6260.6	6257.2	6260.6	6281.5	6302.3	6330.0	6343.9	6378.6	6402.9	6448.0	6489.7
20°	6153.0	6160.0	6160.0	6177.3	6191.2	6225.9	6239.8	6278.0	6305.8	6347.3	6396.0
22.5°	6059.3	6055.9	6055.9	6080.2	6090.6	6121.8	6135.6	6170.3	6201.6	6236.3	6281.5
25°	5965.6	5958.6	5972.6	5976.1	5982.9	6017.6	6028.1	6052.3	6083.6	6114.9	6160.0
27.5°	5826.8	5819.9	5823.4	5837.2	5847.6	5875.4	5882.4	5906.6	5930.9	5958.6	5996.9
30°	5559.5	5552.7	5549.2	5573.5	5584.0	5604.7	5615.1	5656.8	5663.7	5694.9	5722.7
32.5°	5205.6	5202.1	5209.1	5229.8	5240.3	5268.1	5282.0	5306.3	5323.5	5341.0	5368.7
35°	4810.0	4803.0	4810.0	4830.9	4830.9	4855.2	4865.6	4875.9	4872.4	4875.9	4869.0
37.5°	4442.2	4438.6	4442.2	4452.5	4442.2	4452.5	4442.2	4421.3	4383.2	4341.5	4299.8
40°	4129.8	4133.2	4112.5	4126.4	4088.1	4081.2	4043.1	3990.9	3914.7	3831.4	3713.4
42.5°	3796.7	3786.3	3772.4	3779.3	3748.1	3723.7	3661.3	3595.4	3498.1	3359.4	3217.0
45°	3387.1	3383.7	3376.7	3373.3	3352.4	3328.1	3276.0	3199.7	3092.2	2949.9	2779.8
47.5°	2988.0	2977.6	2977.6	2981.0	2956.7	2953.3	2911.6	2845.8	2752.1	2613.2	2436.2
50°	2606.2	2602.8	2609.8	2623.6	2606.2	2599.4	2571.6	2526.5	2443.2	2325.2	2158.5
52.5°	2262.7	2259.2	2266.2	2283.5	2276.5	2283.5	2255.8	2221.1	2165.5	2051.0	1905.3
55°	1926.1	1926.1	1926.1	1946.8	1946.8	1946.8	1933.0	1912.3	1860.1	1776.8	1641.6
57.5°	1575.6	1579.0	1599.9	1603.3	1599.9	1606.9	1603.3	1582.4	1547.9	1488.9	1384.7
60°	1280.6	1280.6	1291.0	1301.5	1297.9	1301.5	1301.5	1291.0	1256.3	1207.8	1124.5
62.5°	1013.3	1023.8	1016.8	1023.8	1037.6	1023.8	1016.8	1009.9	985.6	954.3	884.9
65°	766.9	773.9	773.9	777.4	770.4	773.9	760.1	749.7	735.8	701.1	655.9
67.5°	583.1	583.1	583.1	583.1	579.5	576.1	572.7	562.2	538.0	524.1	475.4
70°	447.7	426.8	426.8	426.8	426.8	430.4	420.0	406.1	399.1	374.8	340.1
72.5°	298.4	305.4	298.4	298.4	291.5	295.0	281.1	274.1	267.3	253.4	232.6
75°	215.1	197.8	204.7	208.3	197.8	204.7	190.8	177.0	177.0	166.6	156.1
77.5°	138.8	135.4	138.8	142.3	138.8	135.4	128.4	121.4	121.4	118.0	107.6
80°	100.7	97.1	97.1	97.1	93.7	97.1	90.3	90.3	83.3	79.9	72.9
82.5°	66.0	66.0	62.4	66.0	62.4	66.0	55.6	55.6	55.6	52.0	45.1
85°	45.1	38.1	38.1	41.7	34.7	41.7	38.1	34.7	31.3	31.3	27.7
87.5°	20.9	24.3	20.9	24.3	20.9	20.9	24.3	20.9	20.9	13.9	13.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4
2.5°	7072.7	7076.1	7076.1	7090.1	7097.0	7100.4	7100.4	7128.3	7117.8	7124.8	7131.7
5°	6972.1	6992.8	6999.8	6999.8	7038.0	7051.8	7065.7	7097.0	7100.4	7121.3	7145.5
7.5°	6874.8	6899.1	6913.1	6944.3	6968.6	6992.8	7034.5	7055.4	7076.1	7104.0	7135.1
10°	6781.1	6809.0	6836.7	6861.0	6899.1	6930.4	6958.1	7006.7	7031.1	7069.3	7110.8
12.5°	6691.0	6729.1	6753.4	6795.0	6836.7	6864.4	6906.1	6951.3	6989.4	7027.5	7076.1
15°	6611.2	6656.3	6684.0	6729.1	6774.3	6812.4	6857.6	6913.1	6940.8	6986.0	7031.1
17.5°	6524.3	6573.0	6607.7	6649.3	6704.9	6746.4	6784.7	6840.1	6874.8	6923.4	6975.6
20°	6434.2	6482.7	6524.3	6566.0	6621.6	6663.1	6708.3	6763.9	6802.0	6850.6	6892.3
22.5°	6326.6	6371.7	6416.7	6465.3	6520.9	6555.6	6607.7	6656.3	6697.9	6743.0	6784.7
25°	6187.8	6243.3	6278.0	6323.0	6368.2	6406.3	6461.9	6510.4	6545.2	6586.9	6625.0
27.5°	6024.6	6066.3	6094.1	6132.2	6177.3	6212.0	6253.6	6302.3	6337.0	6375.2	6402.9
30°	5746.9	5785.2	5809.5	5837.2	5882.4	5913.6	5948.4	5993.3	6017.6	6045.5	6069.8
32.5°	5382.5	5413.8	5427.7	5448.5	5479.8	5511.0	5538.8	5577.0	5587.4	5604.7	5604.7
35°	4855.2	4862.0	4858.6	4865.6	4879.4	4896.7	4921.0	4945.3	4959.2	4959.2	4948.9
37.5°	4237.4	4195.8	4150.6	4115.9	4105.5	4098.5	4112.5	4122.8	4136.8	4143.6	4126.4
40°	3595.4	3501.7	3401.0	3310.7	3248.3	3220.6	3210.2	3217.0	3217.0	3241.3	3241.3
42.5°	3043.6	2897.8	2748.6	2613.2	2522.9	2453.6	2422.4	2422.4	2425.8	2443.2	2453.6
45°	2585.5	2401.5	2228.0	2078.8	1953.8	1863.6	1822.0	1811.6	1808.1	1815.0	1839.3
47.5°	2235.0	2044.1	1863.6	1679.7	1547.9	1457.6	1419.5	1405.5	1391.6	1405.5	1409.0
50°	1960.8	1763.0	1572.2	1388.2	1249.3	1169.5	1120.9	1100.0	1096.6	1096.6	1103.6
52.5°	1710.9	1527.0	1336.2	1148.8	1002.9	926.6	881.5	871.1	857.2	871.1	871.1
55°	1474.9	1291.0	1103.6	926.6	805.1	725.4	683.7	669.8	662.8	673.2	673.2
57.5°	1218.2	1061.9	888.5	728.8	607.4	551.8	520.5	503.2	499.7	506.7	499.7
60°	999.5	867.6	718.4	572.7	479.0	420.0	395.7	388.7	381.7	388.7	388.7
62.5°	791.2	680.2	558.7	447.7	367.8	326.3	298.4	298.4	295.0	295.0	298.4
65°	586.5	499.7	413.0	319.3	256.8	225.6	204.7	204.7	201.3	204.7	201.3
67.5°	426.8	367.8	298.4	232.6	184.0	166.6	152.7	142.3	149.3	142.3	138.8
70°	312.4	263.7	215.1	177.0	142.3	125.0	114.6	111.0	104.1	104.1	104.1
72.5°	208.3	177.0	145.7	114.6	93.7	76.3	72.9	66.0	59.0	62.4	69.4
75°	138.8	118.0	104.1	83.3	62.4	62.4	41.7	41.7	34.7	41.7	31.3
77.5°	97.1	79.9	62.4	52.0	41.7	38.1	27.7	27.7	24.3	24.3	24.3
80°	69.4	59.0	45.1	38.1	27.7	27.7	24.3	20.9	17.3	17.3	20.9
82.5°	41.7	31.3	31.3	27.7	17.3	13.9	10.4	13.9	7.0	7.0	7.0
85°	24.3	20.9	17.3	10.4	7.0	7.0	3.4	0.0	3.4	3.4	0.0
87.5°	13.9	7.0	7.0	3.4	0.0	3.4	3.4	0.0	0.0	0.0	7.0
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°	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4
2.5°	7149.1	7145.5	7152.5	7152.5	7173.4	7169.8	7180.2	7180.2	7173.4	7176.8	7190.7
5°	7173.4	7183.8	7204.5	7222.0	7253.1	7267.1	7284.4	7301.8	7305.2	7315.7	7326.1
7.5°	7173.4	7208.1	7232.4	7263.5	7305.2	7329.5	7367.7	7398.9	7412.8	7430.1	7450.9
10°	7159.4	7194.1	7239.2	7274.0	7326.1	7364.2	7402.4	7450.9	7471.8	7499.5	7527.4
12.5°	7131.7	7169.8	7218.4	7263.5	7322.5	7357.2	7405.8	7450.9	7482.2	7520.4	7551.6
15°	7090.1	7135.1	7180.2	7225.4	7287.8	7329.5	7374.7	7426.7	7457.9	7499.5	7527.4
17.5°	7024.1	7072.7	7114.4	7156.0	7215.0	7263.5	7305.2	7353.8	7385.1	7419.8	7457.9
20°	6944.3	6989.4	7034.5	7069.3	7128.3	7169.8	7215.0	7260.1	7284.4	7291.4	7350.4
22.5°	6843.7	6874.8	6909.6	6965.1	6999.8	7038.0	7079.7	7121.3	7145.5	7183.8	7204.5
25°	6677.0	6708.3	6746.4	6770.7	6812.4	6843.7	6885.3	6930.4	6944.3	6972.1	6992.8
27.5°	6444.6	6461.9	6479.3	6500.0	6524.3	6541.7	6566.0	6586.9	6600.7	6614.6	6628.4
30°	6076.6	6076.6	6076.6	6062.8	6073.2	6083.6	6087.1	6083.6	6083.6	6080.2	6080.2
32.5°	5590.8	5563.1	5531.8	5504.1	5493.7	5479.8	5472.8	5462.4	5445.1	5434.7	5438.1
35°	4934.9	4872.4	4834.3	4799.6	4771.9	4751.0	4740.6	4730.2	4726.7	4712.9	4698.9
37.5°	4115.9	4070.8	4043.1	4022.2	3997.9	3977.1	3980.5	3984.1	3994.4	3987.5	3990.9
40°	3248.3	3237.9	3248.3	3224.0	3217.0	3224.0	3241.3	3265.7	3279.6	3293.4	3317.7
42.5°	2470.9	2488.2	2512.6	2512.6	2522.9	2536.9	2557.6	2595.9	2616.6	2640.9	2668.8
45°	1860.1	1881.0	1912.3	1922.6	1929.6	1946.8	1971.3	2002.4	2016.3	2037.1	2061.4
47.5°	1433.3	1447.2	1464.4	1481.9	1499.2	1506.2	1530.4	1530.4	1547.9	1561.7	1568.6
50°	1117.5	1131.3	1145.2	1155.6	1162.6	1173.0	1179.9	1190.3	1193.8	1200.8	1204.2
52.5°	874.5	891.9	891.9	898.8	909.2	919.6	916.2	919.6	923.1	923.1	933.5
55°	683.7	683.7	694.1	694.1	701.1	697.5	701.1	701.1	701.1	701.1	704.5
57.5°	510.1	513.7	524.1	517.1	513.7	520.5	513.7	520.5	517.1	524.1	513.7
60°	392.1	392.1	395.7	395.7	399.1	399.1	399.1	395.7	395.7	392.1	392.1
62.5°	295.0	298.4	302.0	298.4	298.4	298.4	295.0	295.0	291.5	288.0	288.0
65°	197.8	194.4	201.3	194.4	197.8	197.8	194.4	197.8	187.4	190.8	187.4
67.5°	142.3	138.8	135.4	138.8	135.4	131.8	131.8	135.4	138.8	128.4	128.4
70°	93.7	97.1	93.7	97.1	100.7	100.7	97.1	93.7	97.1	90.3	93.7
72.5°	59.0	59.0	59.0	59.0	59.0	62.4	62.4	62.4	55.6	55.6	52.0
75°	27.7	38.1	31.3	27.7	38.1	38.1	34.7	34.7	31.3	31.3	31.3
77.5°	27.7	20.9	20.9	20.9	20.9	20.9	20.9	20.9	17.3	20.9	17.3
80°	13.9	13.9	13.9	10.4	13.9	13.9	17.3	13.9	13.9	10.4	17.3
82.5°	7.0	7.0	7.0	0.0	3.4	7.0	7.0	3.4	7.0	7.0	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: P248647

CATALOG NUMBER: LD8B150D010 ER8B1509730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4
2.5°	7187.2	7183.8	7187.2	7190.7	7187.2	7183.8	7187.2	7190.7	7176.8	7173.4	7180.2
5°	7339.9	7339.9	7346.8	7350.4	7346.8	7339.9	7339.9	7326.1	7315.7	7305.2	7301.8
7.5°	7471.8	7478.8	7485.7	7489.1	7485.7	7478.8	7471.8	7450.9	7430.1	7412.8	7398.9
10°	7551.6	7562.1	7575.9	7582.8	7575.9	7562.1	7551.6	7527.4	7499.5	7471.8	7450.9
12.5°	7586.4	7596.8	7614.1	7610.6	7614.1	7596.8	7586.4	7551.6	7520.4	7482.2	7450.9
15°	7562.1	7575.9	7593.2	7600.2	7593.2	7575.9	7562.1	7527.4	7499.5	7457.9	7426.7
17.5°	7485.7	7506.5	7516.9	7527.4	7516.9	7506.5	7485.7	7457.9	7419.8	7385.1	7353.8
20°	7381.5	7395.5	7409.4	7412.8	7409.4	7395.5	7381.5	7350.4	7291.4	7284.4	7260.1
22.5°	7232.4	7242.8	7274.0	7263.5	7274.0	7242.8	7232.4	7204.5	7183.8	7145.5	7121.3
25°	7017.1	7027.5	7031.1	7034.5	7031.1	7027.5	7017.1	6992.8	6972.1	6944.3	6930.4
27.5°	6645.9	6645.9	6652.7	6656.3	6652.7	6645.9	6645.9	6628.4	6614.6	6600.7	6586.9
30°	6083.6	6083.6	6083.6	6101.1	6083.6	6083.6	6083.6	6080.2	6080.2	6083.6	6083.6
32.5°	5434.7	5427.7	5420.8	5427.7	5420.8	5427.7	5434.7	5438.1	5434.7	5445.1	5462.4
35°	4698.9	4695.5	4705.9	4692.0	4705.9	4695.5	4698.9	4698.9	4712.9	4726.7	4730.2
37.5°	3994.4	3987.5	4001.4	3987.5	4001.4	3987.5	3994.4	3990.9	3987.5	3994.4	3984.1
40°	3324.7	3331.6	3331.6	3359.4	3331.6	3331.6	3324.7	3317.7	3293.4	3279.6	3265.7
42.5°	2682.6	2703.5	2696.5	2717.3	2696.5	2703.5	2682.6	2668.8	2640.9	2616.6	2595.9
45°	2075.3	2089.3	2089.3	2096.1	2089.3	2089.3	2075.3	2061.4	2037.1	2016.3	2002.4
47.5°	1592.9	1592.9	1592.9	1596.4	1592.9	1592.9	1592.9	1568.6	1561.7	1547.9	1530.4
50°	1211.2	1214.6	1218.2	1221.6	1218.2	1214.6	1211.2	1204.2	1200.8	1193.8	1190.3
52.5°	930.1	933.5	926.6	933.5	926.6	933.5	930.1	933.5	923.1	923.1	919.6
55°	704.5	701.1	704.5	707.9	704.5	701.1	704.5	704.5	701.1	701.1	701.1
57.5°	517.1	510.1	510.1	510.1	510.1	510.1	517.1	513.7	524.1	517.1	520.5
60°	385.3	388.7	388.7	392.1	388.7	388.7	385.3	392.1	392.1	395.7	395.7
62.5°	284.5	295.0	288.0	295.0	288.0	295.0	284.5	288.0	288.0	291.5	295.0
65°	184.0	184.0	184.0	187.4	184.0	184.0	184.0	187.4	190.8	187.4	197.8
67.5°	125.0	128.4	135.4	131.8	135.4	128.4	125.0	128.4	128.4	138.8	135.4
70°	100.7	90.3	90.3	100.7	90.3	90.3	100.7	93.7	90.3	97.1	93.7
72.5°	59.0	52.0	59.0	59.0	59.0	52.0	59.0	52.0	55.6	55.6	62.4
75°	31.3	27.7	24.3	34.7	24.3	27.7	31.3	31.3	31.3	31.3	34.7
77.5°	20.9	17.3	24.3	24.3	24.3	17.3	20.9	17.3	20.9	17.3	20.9
80°	10.4	13.9	10.4	17.3	10.4	13.9	10.4	17.3	10.4	13.9	13.9
82.5°	3.4	7.0	7.0	7.0	7.0	7.0	3.4	3.4	7.0	7.0	3.4
85°	0.0	7.0	3.4	3.4	3.4	7.0	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: P248647

CATALOG NUMBER: LD8B150D010 ER8B1509730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4
2.5°	7180.2	7169.8	7173.4	7152.5	7152.5	7145.5	7149.1	7131.7	7124.8	7117.8	7128.3
5°	7284.4	7267.1	7253.1	7222.0	7204.5	7183.8	7173.4	7145.5	7121.3	7100.4	7097.0
7.5°	7367.7	7329.5	7305.2	7263.5	7232.4	7208.1	7173.4	7135.1	7104.0	7076.1	7055.4
10°	7402.4	7364.2	7326.1	7274.0	7239.2	7194.1	7159.4	7110.8	7069.3	7031.1	7006.7
12.5°	7405.8	7357.2	7322.5	7263.5	7218.4	7169.8	7131.7	7076.1	7027.5	6989.4	6951.3
15°	7374.7	7329.5	7287.8	7225.4	7180.2	7135.1	7090.1	7031.1	6986.0	6940.8	6913.1
17.5°	7305.2	7263.5	7215.0	7156.0	7114.4	7072.7	7024.1	6975.6	6923.4	6874.8	6840.1
20°	7215.0	7169.8	7128.3	7069.3	7034.5	6989.4	6944.3	6892.3	6850.6	6802.0	6763.9
22.5°	7079.7	7038.0	6999.8	6965.1	6909.6	6874.8	6843.7	6784.7	6743.0	6697.9	6656.3
25°	6885.3	6843.7	6812.4	6770.7	6746.4	6708.3	6677.0	6625.0	6586.9	6545.2	6510.4
27.5°	6566.0	6541.7	6524.3	6500.0	6479.3	6461.9	6444.6	6402.9	6375.2	6337.0	6302.3
30°	6087.1	6083.6	6073.2	6062.8	6076.6	6076.6	6076.6	6069.8	6045.5	6017.6	5993.3
32.5°	5472.8	5479.8	5493.7	5504.1	5531.8	5563.1	5590.8	5604.7	5604.7	5587.4	5577.0
35°	4740.6	4751.0	4771.9	4799.6	4834.3	4872.4	4934.9	4948.9	4959.2	4959.2	4945.3
37.5°	3980.5	3977.1	3997.9	4022.2	4043.1	4070.8	4115.9	4126.4	4143.6	4136.8	4122.8
40°	3241.3	3224.0	3217.0	3224.0	3248.3	3237.9	3248.3	3241.3	3241.3	3217.0	3217.0
42.5°	2557.6	2536.9	2522.9	2512.6	2512.6	2488.2	2470.9	2453.6	2443.2	2425.8	2422.4
45°	1971.3	1946.8	1929.6	1922.6	1912.3	1881.0	1860.1	1839.3	1815.0	1808.1	1811.6
47.5°	1530.4	1506.2	1499.2	1481.9	1464.4	1447.2	1433.3	1409.0	1405.5	1391.6	1405.5
50°	1179.9	1173.0	1162.6	1155.6	1145.2	1131.3	1117.5	1103.6	1096.6	1096.6	1100.0
52.5°	916.2	919.6	909.2	898.8	891.9	891.9	874.5	871.1	871.1	857.2	871.1
55°	701.1	697.5	701.1	694.1	694.1	683.7	683.7	673.2	673.2	662.8	669.8
57.5°	513.7	520.5	513.7	517.1	524.1	513.7	510.1	499.7	506.7	499.7	503.2
60°	399.1	399.1	399.1	395.7	395.7	392.1	392.1	388.7	388.7	381.7	388.7
62.5°	295.0	298.4	298.4	298.4	302.0	298.4	295.0	298.4	295.0	295.0	298.4
65°	194.4	197.8	197.8	194.4	201.3	194.4	197.8	201.3	204.7	201.3	204.7
67.5°	131.8	131.8	135.4	138.8	135.4	138.8	142.3	138.8	142.3	149.3	142.3
70°	97.1	100.7	100.7	97.1	93.7	97.1	93.7	104.1	104.1	104.1	111.0
72.5°	62.4	62.4	59.0	59.0	59.0	59.0	59.0	69.4	62.4	59.0	66.0
75°	34.7	38.1	38.1	27.7	31.3	38.1	27.7	31.3	41.7	34.7	41.7
77.5°	20.9	20.9	20.9	20.9	20.9	20.9	27.7	24.3	24.3	24.3	27.7
80°	17.3	13.9	13.9	10.4	13.9	13.9	13.9	20.9	17.3	17.3	20.9
82.5°	7.0	7.0	3.4	0.0	7.0	7.0	7.0	7.0	7.0	7.0	13.9
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	7.0	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: P248647

CATALOG NUMBER: LD8B150D010 ER8B1509730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4
2.5°	7100.4	7100.4	7097.0	7090.1	7076.1	7076.1	7072.7	7062.3	7055.4	7051.8	7051.8
5°	7065.7	7051.8	7038.0	6999.8	6999.8	6992.8	6972.1	6958.1	6951.3	6933.8	6927.0
7.5°	7034.5	6992.8	6968.6	6944.3	6913.1	6899.1	6874.8	6864.4	6840.1	6822.8	6812.4
10°	6958.1	6930.4	6899.1	6861.0	6836.7	6809.0	6781.1	6760.4	6729.1	6711.7	6697.9
12.5°	6906.1	6864.4	6836.7	6795.0	6753.4	6729.1	6691.0	6666.7	6635.4	6600.7	6579.9
15°	6857.6	6812.4	6774.3	6729.1	6684.0	6656.3	6611.2	6583.4	6538.3	6503.6	6479.3
17.5°	6784.7	6746.4	6704.9	6649.3	6607.7	6573.0	6524.3	6489.7	6448.0	6402.9	6378.6
20°	6708.3	6663.1	6621.6	6566.0	6524.3	6482.7	6434.2	6396.0	6347.3	6305.8	6278.0
22.5°	6607.7	6555.6	6520.9	6465.3	6416.7	6371.7	6326.6	6281.5	6236.3	6201.6	6170.3
25°	6461.9	6406.3	6368.2	6323.0	6278.0	6243.3	6187.8	6160.0	6114.9	6083.6	6052.3
27.5°	6253.6	6212.0	6177.3	6132.2	6094.1	6066.3	6024.6	5996.9	5958.6	5930.9	5906.6
30°	5948.4	5913.6	5882.4	5837.2	5809.5	5785.2	5746.9	5722.7	5694.9	5663.7	5656.8
32.5°	5538.8	5511.0	5479.8	5448.5	5427.7	5413.8	5382.5	5368.7	5341.0	5323.5	5306.3
35°	4921.0	4896.7	4879.4	4865.6	4858.6	4862.0	4855.2	4869.0	4875.9	4872.4	4875.9
37.5°	4112.5	4098.5	4105.5	4115.9	4150.6	4195.8	4237.4	4299.8	4341.5	4383.2	4421.3
40°	3210.2	3220.6	3248.3	3310.7	3401.0	3501.7	3595.4	3713.4	3831.4	3914.7	3990.9
42.5°	2422.4	2453.6	2522.9	2613.2	2748.6	2897.8	3043.6	3217.0	3359.4	3498.1	3595.4
45°	1822.0	1863.6	1953.8	2078.8	2228.0	2401.5	2585.5	2779.8	2949.9	3092.2	3199.7
47.5°	1419.5	1457.6	1547.9	1679.7	1863.6	2044.1	2235.0	2436.2	2613.2	2752.1	2845.8
50°	1120.9	1169.5	1249.3	1388.2	1572.2	1763.0	1960.8	2158.5	2325.2	2443.2	2526.5
52.5°	881.5	926.6	1002.9	1148.8	1336.2	1527.0	1710.9	1905.3	2051.0	2165.5	2221.1
55°	683.7	725.4	805.1	926.6	1103.6	1291.0	1474.9	1641.6	1776.8	1860.1	1912.3
57.5°	520.5	551.8	607.4	728.8	888.5	1061.9	1218.2	1384.7	1488.9	1547.9	1582.4
60°	395.7	420.0	479.0	572.7	718.4	867.6	999.5	1124.5	1207.8	1256.3	1291.0
62.5°	298.4	326.3	367.8	447.7	558.7	680.2	791.2	884.9	954.3	985.6	1009.9
65°	204.7	225.6	256.8	319.3	413.0	499.7	586.5	655.9	701.1	735.8	749.7
67.5°	152.7	166.6	184.0	232.6	298.4	367.8	426.8	475.4	524.1	538.0	562.2
70°	114.6	125.0	142.3	177.0	215.1	263.7	312.4	340.1	374.8	399.1	406.1
72.5°	72.9	76.3	93.7	114.6	145.7	177.0	208.3	232.6	253.4	267.3	274.1
75°	41.7	62.4	62.4	83.3	104.1	118.0	138.8	156.1	166.6	177.0	177.0
77.5°	27.7	38.1	41.7	52.0	62.4	79.9	97.1	107.6	118.0	121.4	121.4
80°	24.3	27.7	27.7	38.1	45.1	59.0	69.4	72.9	79.9	83.3	90.3
82.5°	10.4	13.9	17.3	27.7	31.3	31.3	41.7	45.1	52.0	55.6	55.6
85°	3.4	7.0	7.0	10.4	17.3	20.9	24.3	27.7	31.3	31.3	34.7
87.5°	3.4	3.4	0.0	3.4	7.0	7.0	13.9	13.9	13.9	20.9	20.9
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: P248647

CATALOG NUMBER: LD8B150D010 ER8B1509730 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4	7107.4
2.5°	7045.0	7048.4	7034.5	7031.1	7024.1	7027.5	7034.5
5°	6916.6	6920.0	6906.1	6892.3	6892.3	6888.7	6892.3
7.5°	6795.0	6798.6	6777.7	6770.7	6756.9	6760.4	6760.4
10°	6673.6	6673.6	6642.4	6638.9	6628.4	6625.0	6625.0
12.5°	6555.6	6545.2	6520.9	6507.0	6514.0	6493.2	6493.2
15°	6451.5	6434.2	6402.9	6392.5	6375.2	6368.2	6368.2
17.5°	6343.9	6330.0	6302.3	6281.5	6260.6	6257.2	6260.6
20°	6239.8	6225.9	6191.2	6177.3	6160.0	6160.0	6153.0
22.5°	6135.6	6121.8	6090.6	6080.2	6055.9	6055.9	6059.3
25°	6028.1	6017.6	5982.9	5976.1	5972.6	5958.6	5965.6
27.5°	5882.4	5875.4	5847.6	5837.2	5823.4	5819.9	5826.8
30°	5615.1	5604.7	5584.0	5573.5	5549.2	5552.7	5559.5
32.5°	5282.0	5268.1	5240.3	5229.8	5209.1	5202.1	5205.6
35°	4865.6	4855.2	4830.9	4830.9	4810.0	4803.0	4810.0
37.5°	4442.2	4452.5	4442.2	4452.5	4442.2	4438.6	4442.2
40°	4043.1	4081.2	4088.1	4126.4	4112.5	4133.2	4129.8
42.5°	3661.3	3723.7	3748.1	3779.3	3772.4	3786.3	3796.7
45°	3276.0	3328.1	3352.4	3373.3	3376.7	3383.7	3387.1
47.5°	2911.6	2953.3	2956.7	2981.0	2977.6	2977.6	2988.0
50°	2571.6	2599.4	2606.2	2623.6	2609.8	2602.8	2606.2
52.5°	2255.8	2283.5	2276.5	2283.5	2266.2	2259.2	2262.7
55°	1933.0	1946.8	1946.8	1946.8	1926.1	1926.1	1926.1
57.5°	1603.3	1606.9	1599.9	1603.3	1599.9	1579.0	1575.6
60°	1301.5	1301.5	1297.9	1301.5	1291.0	1280.6	1280.6
62.5°	1016.8	1023.8	1037.6	1023.8	1016.8	1023.8	1013.3
65°	760.1	773.9	770.4	777.4	773.9	773.9	766.9
67.5°	572.7	576.1	579.5	583.1	583.1	583.1	583.1
70°	420.0	430.4	426.8	426.8	426.8	426.8	447.7
72.5°	281.1	295.0	291.5	298.4	298.4	305.4	298.4
75°	190.8	204.7	197.8	208.3	204.7	197.8	215.1
77.5°	128.4	135.4	138.8	142.3	138.8	135.4	138.8
80°	90.3	97.1	93.7	97.1	97.1	97.1	100.7
82.5°	55.6	66.0	62.4	66.0	62.4	66.0	66.0
85°	38.1	41.7	34.7	41.7	38.1	38.1	45.1
87.5°	24.3	20.9	20.9	24.3	20.9	24.3	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)