

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: P248636

Luminaire Tested: **LD8B100D010 ER8B1009727 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B100D010 ER8B1009727 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7574.0 lumens
Efficiency: N/A
Efficacy: 71.3 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

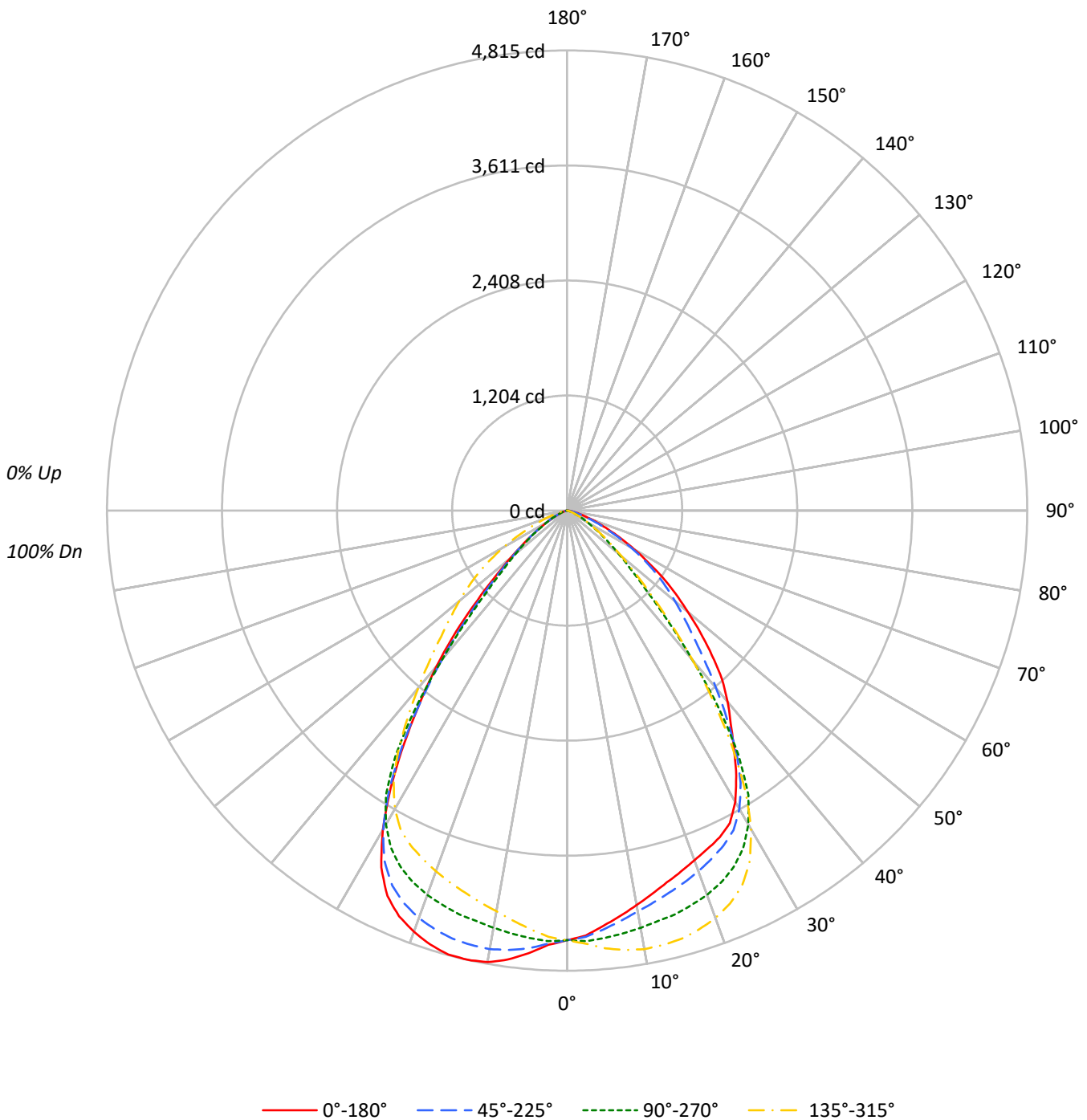
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	428.0	5.7
10°-20°	1239.3	16.4
20°-30°	1876.6	24.8
30°-40°	1880.8	24.8
40°-50°	1181.1	15.6
50°-60°	629.4	8.3
60°-70°	258.8	3.4
70°-80°	68.4	0.9
80°-90°	11.6	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3543.9	46.8
0°-40°	5424.8	71.6
0°-60°	7235.2	95.5
0°-90°	7574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7574.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4496	4496	4496	4496	4496	
5°	4360	4490	4650	4490	4360	411
15°	4029	4374	4808	4374	4029	1139
25°	3774	4119	4450	4119	3774	1731
35°	3043	3129	2968	3129	3043	1906
45°	2143	1146	1326	1146	2143	1648
55°	1218	424	448	424	1218	1086
65°	485	130	119	130	485	503
75°	136	26	22	26	136	154
85°	29	0	2	0	29	31
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°	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4
2.5°	4450.4	4445.9	4443.8	4448.2	4450.4	4459.1	4457.0	4461.3	4461.3	4463.5	4467.9
5°	4360.3	4358.1	4360.3	4360.3	4369.1	4377.9	4375.7	4382.3	4386.6	4397.7	4402.0
7.5°	4276.9	4276.9	4274.7	4283.4	4287.9	4301.1	4298.8	4309.8	4316.4	4327.4	4342.7
10°	4191.3	4191.3	4193.4	4200.0	4202.3	4222.0	4222.0	4237.4	4246.1	4257.1	4276.9
12.5°	4107.9	4107.9	4121.0	4116.6	4125.4	4140.7	4147.3	4162.7	4175.9	4197.9	4217.7
15°	4028.8	4028.8	4033.2	4044.1	4050.7	4070.5	4081.5	4099.1	4114.5	4136.4	4165.0
17.5°	3960.7	3958.6	3960.7	3973.9	3987.1	4004.7	4013.4	4035.4	4050.7	4079.3	4105.7
20°	3892.7	3897.1	3897.1	3908.0	3916.8	3938.8	3947.5	3971.8	3989.3	4015.6	4046.4
22.5°	3833.4	3831.2	3831.2	3846.6	3853.2	3872.9	3881.7	3903.6	3923.4	3945.4	3973.9
25°	3774.1	3769.7	3778.5	3780.7	3785.1	3807.0	3813.6	3829.0	3848.8	3868.6	3897.1
27.5°	3686.3	3681.9	3684.1	3692.9	3699.5	3717.0	3721.4	3736.8	3752.2	3769.7	3793.9
30°	3517.2	3512.9	3510.7	3526.1	3532.6	3545.8	3552.3	3578.7	3583.1	3602.9	3620.4
32.5°	3293.3	3291.1	3295.5	3308.6	3315.2	3332.8	3341.6	3357.0	3367.9	3378.9	3396.5
35°	3043.0	3038.6	3043.0	3056.2	3056.2	3071.6	3078.2	3084.7	3082.5	3084.7	3080.3
37.5°	2810.3	2808.1	2810.3	2816.8	2810.3	2816.8	2810.3	2797.1	2773.0	2746.6	2720.2
40°	2612.7	2614.9	2601.7	2610.5	2586.3	2582.0	2557.8	2524.8	2476.6	2423.9	2349.3
42.5°	2401.9	2395.3	2386.6	2390.9	2371.2	2355.8	2316.3	2274.6	2213.1	2125.3	2035.2
45°	2142.9	2140.7	2136.3	2134.1	2120.9	2105.5	2072.5	2024.3	1956.2	1866.2	1758.6
47.5°	1890.4	1883.8	1883.8	1885.9	1870.6	1868.4	1842.0	1800.3	1741.1	1653.2	1541.3
50°	1648.8	1646.6	1651.1	1659.8	1648.8	1644.5	1626.9	1598.4	1545.7	1471.0	1365.6
52.5°	1431.5	1429.3	1433.7	1444.7	1440.2	1444.7	1427.1	1405.2	1370.0	1297.5	1205.4
55°	1218.5	1218.5	1218.5	1231.7	1231.7	1231.7	1222.9	1209.8	1176.8	1124.1	1038.5
57.5°	996.8	998.9	1012.1	1014.3	1012.1	1016.6	1014.3	1001.1	979.2	941.9	876.0
60°	810.2	810.2	816.8	823.4	821.1	823.4	823.4	816.8	794.8	764.1	711.4
62.5°	641.1	647.7	643.3	647.7	656.4	647.7	643.3	638.9	623.6	603.8	559.8
65°	485.2	489.6	489.6	491.8	487.4	489.6	480.9	474.3	465.5	443.5	415.0
67.5°	368.9	368.9	368.9	368.9	366.6	364.5	362.3	355.7	340.3	331.6	300.8
70°	283.2	270.0	270.0	270.0	270.0	272.3	265.7	256.9	252.5	237.1	215.2
72.5°	188.8	193.2	188.8	188.8	184.4	186.6	177.8	173.4	169.1	160.3	147.1
75°	136.1	125.2	129.5	131.8	125.2	129.5	120.7	112.0	112.0	105.4	98.8
77.5°	87.8	85.7	87.8	90.0	87.8	85.7	81.2	76.8	76.8	74.6	68.0
80°	63.7	61.5	61.5	61.5	59.3	61.5	57.1	57.1	52.7	50.5	46.1
82.5°	41.8	41.8	39.5	41.8	39.5	41.8	35.2	35.2	35.2	32.9	28.6
85°	28.6	24.1	24.1	26.4	22.0	26.4	24.1	22.0	19.8	19.8	17.5
87.5°	13.2	15.4	13.2	15.4	13.2	13.2	15.4	13.2	13.2	8.8	8.8
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°	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4
2.5°	4474.5	4476.7	4476.7	4485.5	4489.8	4492.0	4492.0	4509.6	4503.0	4507.5	4511.8
5°	4410.9	4424.0	4428.4	4428.4	4452.5	4461.3	4470.1	4489.8	4492.0	4505.2	4520.6
7.5°	4349.3	4364.7	4373.5	4393.2	4408.6	4424.0	4450.4	4463.5	4476.7	4494.3	4514.0
10°	4290.0	4307.7	4325.2	4340.6	4364.7	4384.5	4402.0	4432.7	4448.2	4472.3	4498.6
12.5°	4233.0	4257.1	4272.5	4298.8	4325.2	4342.7	4369.1	4397.7	4421.8	4445.9	4476.7
15°	4182.5	4211.1	4228.6	4257.1	4285.7	4309.8	4338.4	4373.5	4391.1	4419.6	4448.2
17.5°	4127.6	4158.4	4180.3	4206.6	4241.8	4268.1	4292.3	4327.4	4349.3	4380.0	4413.0
20°	4070.5	4101.3	4127.6	4153.9	4189.1	4215.4	4244.0	4279.1	4303.2	4334.0	4360.3
22.5°	4002.5	4031.0	4059.5	4090.2	4125.4	4147.3	4180.3	4211.1	4237.4	4265.9	4292.3
25°	3914.6	3949.8	3971.8	4000.2	4028.8	4052.9	4088.1	4118.8	4140.7	4167.1	4191.3
27.5°	3811.4	3837.8	3855.4	3879.5	3908.0	3930.0	3956.3	3987.1	4009.1	4033.2	4050.7
30°	3635.8	3660.0	3675.3	3692.9	3721.4	3741.2	3763.2	3791.6	3807.0	3824.6	3840.0
32.5°	3405.2	3425.0	3433.8	3447.0	3466.8	3486.5	3504.1	3528.2	3534.8	3545.8	3545.8
35°	3071.6	3075.9	3073.8	3078.2	3086.9	3097.9	3113.2	3128.6	3137.4	3137.4	3130.9
37.5°	2680.7	2654.4	2625.9	2603.9	2597.3	2592.9	2601.7	2608.3	2617.1	2621.4	2610.5
40°	2274.6	2215.3	2151.6	2094.5	2055.0	2037.5	2030.9	2035.2	2035.2	2050.6	2050.6
42.5°	1925.5	1833.2	1738.9	1653.2	1596.1	1552.3	1532.5	1532.5	1534.7	1545.7	1552.3
45°	1635.7	1519.3	1409.5	1315.2	1236.1	1179.0	1152.7	1146.1	1143.9	1148.2	1163.6
47.5°	1413.9	1293.2	1179.0	1062.7	979.2	922.1	898.0	889.1	880.4	889.1	891.4
50°	1240.5	1115.3	994.6	878.2	790.4	739.9	709.1	695.9	693.8	693.8	698.2
52.5°	1082.4	966.1	845.3	726.8	634.5	586.2	557.7	551.1	542.3	551.1	551.1
55°	933.1	816.8	698.2	586.2	509.3	458.9	432.5	423.7	419.3	425.9	425.9
57.5°	770.7	671.8	562.1	461.1	384.3	349.1	329.3	318.4	316.1	320.5	316.1
60°	632.3	548.9	454.5	362.3	303.0	265.7	250.3	245.9	241.5	245.9	245.9
62.5°	500.6	430.3	353.4	283.2	232.7	206.4	188.8	188.8	186.6	186.6	188.8
65°	371.1	316.1	261.3	202.0	162.5	142.7	129.5	129.5	127.3	129.5	127.3
67.5°	270.0	232.7	188.8	147.1	116.4	105.4	96.6	90.0	94.4	90.0	87.8
70°	197.6	166.8	136.1	112.0	90.0	79.1	72.5	70.2	65.9	65.9	65.9
72.5°	131.8	112.0	92.2	72.5	59.3	48.3	46.1	41.8	37.3	39.5	43.9
75°	87.8	74.6	65.9	52.7	39.5	39.5	26.4	26.4	22.0	26.4	19.8
77.5°	61.5	50.5	39.5	32.9	26.4	24.1	17.5	17.5	15.4	15.4	15.4
80°	43.9	37.3	28.6	24.1	17.5	17.5	15.4	13.2	10.9	10.9	13.2
82.5°	26.4	19.8	19.8	17.5	10.9	8.8	6.6	8.8	4.4	4.4	4.4
85°	15.4	13.2	10.9	6.6	4.4	4.4	2.2	0.0	2.2	2.2	0.0
87.5°	8.8	4.4	4.4	2.2	0.0	2.2	2.2	0.0	0.0	0.0	4.4
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°	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4
2.5°	4522.8	4520.6	4525.0	4525.0	4538.2	4535.9	4542.5	4542.5	4538.2	4540.4	4549.1
5°	4538.2	4544.8	4557.9	4568.9	4588.6	4597.5	4608.4	4619.4	4621.6	4628.2	4634.8
7.5°	4538.2	4560.2	4575.5	4595.2	4621.6	4637.0	4661.1	4680.9	4689.7	4700.6	4713.8
10°	4529.3	4551.3	4579.9	4601.8	4634.8	4658.9	4683.1	4713.8	4727.0	4744.5	4762.1
12.5°	4511.8	4535.9	4566.7	4595.2	4632.5	4654.5	4685.2	4713.8	4733.6	4757.7	4777.5
15°	4485.5	4514.0	4542.5	4571.1	4610.6	4637.0	4665.5	4698.4	4718.2	4744.5	4762.1
17.5°	4443.8	4474.5	4500.9	4527.2	4564.5	4595.2	4621.6	4652.3	4672.1	4694.1	4718.2
20°	4393.2	4421.8	4450.4	4472.3	4509.6	4535.9	4564.5	4593.0	4608.4	4612.8	4650.2
22.5°	4329.6	4349.3	4371.3	4406.4	4428.4	4452.5	4478.9	4505.2	4520.6	4544.8	4557.9
25°	4224.2	4244.0	4268.1	4283.4	4309.8	4329.6	4355.9	4384.5	4393.2	4410.9	4424.0
27.5°	4077.1	4088.1	4099.1	4112.2	4127.6	4138.6	4153.9	4167.1	4175.9	4184.7	4193.4
30°	3844.3	3844.3	3844.3	3835.6	3842.2	3848.8	3850.9	3848.8	3848.8	3846.6	3846.6
32.5°	3537.0	3519.5	3499.7	3482.1	3475.5	3466.8	3462.3	3455.7	3444.8	3438.2	3440.4
35°	3122.0	3082.5	3058.4	3036.4	3018.9	3005.7	2999.1	2992.5	2990.3	2981.6	2972.7
37.5°	2603.9	2575.4	2557.8	2544.6	2529.3	2516.1	2518.2	2520.5	2527.0	2522.7	2524.8
40°	2055.0	2048.4	2055.0	2039.6	2035.2	2039.6	2050.6	2066.0	2074.8	2083.6	2098.9
42.5°	1563.2	1574.2	1589.6	1589.6	1596.1	1605.0	1618.1	1642.3	1655.4	1670.8	1688.4
45°	1176.8	1190.0	1209.8	1216.3	1220.7	1231.7	1247.1	1266.8	1275.6	1288.8	1304.1
47.5°	906.8	915.5	926.5	937.5	948.4	952.9	968.2	968.2	979.2	988.0	992.4
50°	707.0	715.7	724.5	731.1	735.5	742.1	746.5	753.1	755.2	759.6	761.8
52.5°	553.2	564.3	564.3	568.6	575.2	581.8	579.6	581.8	584.0	584.0	590.6
55°	432.5	432.5	439.1	439.1	443.5	441.3	443.5	443.5	443.5	443.5	445.7
57.5°	322.7	325.0	331.6	327.1	325.0	329.3	325.0	329.3	327.1	331.6	325.0
60°	248.1	248.1	250.3	250.3	252.5	252.5	252.5	250.3	250.3	248.1	248.1
62.5°	186.6	188.8	191.0	188.8	188.8	188.8	186.6	186.6	184.4	182.2	182.2
65°	125.2	123.0	127.3	123.0	125.2	125.2	123.0	125.2	118.6	120.7	118.6
67.5°	90.0	87.8	85.7	87.8	85.7	83.4	83.4	85.7	87.8	81.2	81.2
70°	59.3	61.5	59.3	61.5	63.7	63.7	61.5	59.3	61.5	57.1	59.3
72.5°	37.3	37.3	37.3	37.3	37.3	39.5	39.5	39.5	35.2	35.2	32.9
75°	17.5	24.1	19.8	17.5	24.1	24.1	22.0	22.0	19.8	19.8	19.8
77.5°	17.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2	10.9	13.2	10.9
80°	8.8	8.8	8.8	6.6	8.8	8.8	10.9	8.8	8.8	6.6	10.9
82.5°	4.4	4.4	4.4	0.0	2.2	4.4	4.4	2.2	4.4	4.4	2.2
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: P248636

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4
2.5°	4547.0	4544.8	4547.0	4549.1	4547.0	4544.8	4547.0	4549.1	4540.4	4538.2	4542.5
5°	4643.6	4643.6	4647.9	4650.2	4647.9	4643.6	4643.6	4634.8	4628.2	4621.6	4619.4
7.5°	4727.0	4731.4	4735.7	4737.9	4735.7	4731.4	4727.0	4713.8	4700.6	4689.7	4680.9
10°	4777.5	4784.1	4792.9	4797.2	4792.9	4784.1	4777.5	4762.1	4744.5	4727.0	4713.8
12.5°	4799.5	4806.1	4817.0	4814.8	4817.0	4806.1	4799.5	4777.5	4757.7	4733.6	4713.8
15°	4784.1	4792.9	4803.8	4808.2	4803.8	4792.9	4784.1	4762.1	4744.5	4718.2	4698.4
17.5°	4735.7	4748.9	4755.5	4762.1	4755.5	4748.9	4735.7	4718.2	4694.1	4672.1	4652.3
20°	4669.9	4678.7	4687.5	4689.7	4687.5	4678.7	4669.9	4650.2	4612.8	4608.4	4593.0
22.5°	4575.5	4582.1	4601.8	4595.2	4601.8	4582.1	4575.5	4557.9	4544.8	4520.6	4505.2
25°	4439.3	4445.9	4448.2	4450.4	4448.2	4445.9	4439.3	4424.0	4410.9	4393.2	4384.5
27.5°	4204.5	4204.5	4208.8	4211.1	4208.8	4204.5	4204.5	4193.4	4184.7	4175.9	4167.1
30°	3848.8	3848.8	3848.8	3859.8	3848.8	3848.8	3848.8	3846.6	3846.6	3848.8	3848.8
32.5°	3438.2	3433.8	3429.4	3433.8	3429.4	3433.8	3438.2	3440.4	3438.2	3444.8	3455.7
35°	2972.7	2970.5	2977.1	2968.4	2977.1	2970.5	2972.7	2972.7	2981.6	2990.3	2992.5
37.5°	2527.0	2522.7	2531.4	2522.7	2531.4	2522.7	2527.0	2524.8	2522.7	2527.0	2520.5
40°	2103.4	2107.7	2107.7	2125.3	2107.7	2107.7	2103.4	2098.9	2083.6	2074.8	2066.0
42.5°	1697.1	1710.3	1705.9	1719.1	1705.9	1710.3	1697.1	1688.4	1670.8	1655.4	1642.3
45°	1312.9	1321.7	1321.7	1326.1	1321.7	1321.7	1312.9	1304.1	1288.8	1275.6	1266.8
47.5°	1007.7	1007.7	1007.7	1010.0	1007.7	1007.7	1007.7	992.4	988.0	979.2	968.2
50°	766.2	768.4	770.7	772.8	770.7	768.4	766.2	761.8	759.6	755.2	753.1
52.5°	588.4	590.6	586.2	590.6	586.2	590.6	588.4	590.6	584.0	584.0	581.8
55°	445.7	443.5	445.7	447.9	445.7	443.5	445.7	445.7	443.5	443.5	443.5
57.5°	327.1	322.7	322.7	322.7	322.7	322.7	327.1	325.0	331.6	327.1	329.3
60°	243.7	245.9	245.9	248.1	245.9	245.9	243.7	248.1	248.1	250.3	250.3
62.5°	180.0	186.6	182.2	186.6	182.2	186.6	180.0	182.2	182.2	184.4	186.6
65°	116.4	116.4	116.4	118.6	116.4	116.4	116.4	118.6	120.7	118.6	125.2
67.5°	79.1	81.2	85.7	83.4	85.7	81.2	79.1	81.2	81.2	87.8	85.7
70°	63.7	57.1	57.1	63.7	57.1	57.1	63.7	59.3	57.1	61.5	59.3
72.5°	37.3	32.9	37.3	37.3	37.3	32.9	37.3	32.9	35.2	35.2	39.5
75°	19.8	17.5	15.4	22.0	15.4	17.5	19.8	19.8	19.8	19.8	22.0
77.5°	13.2	10.9	15.4	15.4	15.4	10.9	13.2	10.9	13.2	10.9	13.2
80°	6.6	8.8	6.6	10.9	6.6	8.8	6.6	10.9	6.6	8.8	8.8
82.5°	2.2	4.4	4.4	4.4	4.4	4.4	2.2	2.2	4.4	4.4	2.2
85°	0.0	4.4	2.2	2.2	2.2	4.4	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.0	0.0	2.2	0.0	0.0	2.2	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: P248636

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4
2.5°	4542.5	4535.9	4538.2	4525.0	4525.0	4520.6	4522.8	4511.8	4507.5	4503.0	4509.6
5°	4608.4	4597.5	4588.6	4568.9	4557.9	4544.8	4538.2	4520.6	4505.2	4492.0	4489.8
7.5°	4661.1	4637.0	4621.6	4595.2	4575.5	4560.2	4538.2	4514.0	4494.3	4476.7	4463.5
10°	4683.1	4658.9	4634.8	4601.8	4579.9	4551.3	4529.3	4498.6	4472.3	4448.2	4432.7
12.5°	4685.2	4654.5	4632.5	4595.2	4566.7	4535.9	4511.8	4476.7	4445.9	4421.8	4397.7
15°	4665.5	4637.0	4610.6	4571.1	4542.5	4514.0	4485.5	4448.2	4419.6	4391.1	4373.5
17.5°	4621.6	4595.2	4564.5	4527.2	4500.9	4474.5	4443.8	4413.0	4380.0	4349.3	4327.4
20°	4564.5	4535.9	4509.6	4472.3	4450.4	4421.8	4393.2	4360.3	4334.0	4303.2	4279.1
22.5°	4478.9	4452.5	4428.4	4406.4	4371.3	4349.3	4329.6	4292.3	4265.9	4237.4	4211.1
25°	4355.9	4329.6	4309.8	4283.4	4268.1	4244.0	4224.2	4191.3	4167.1	4140.7	4118.8
27.5°	4153.9	4138.6	4127.6	4112.2	4099.1	4088.1	4077.1	4050.7	4033.2	4009.1	3987.1
30°	3850.9	3848.8	3842.2	3835.6	3844.3	3844.3	3844.3	3840.0	3824.6	3807.0	3791.6
32.5°	3462.3	3466.8	3475.5	3482.1	3499.7	3519.5	3537.0	3545.8	3545.8	3534.8	3528.2
35°	2999.1	3005.7	3018.9	3036.4	3058.4	3082.5	3122.0	3130.9	3137.4	3137.4	3128.6
37.5°	2518.2	2516.1	2529.3	2544.6	2557.8	2575.4	2603.9	2610.5	2621.4	2617.1	2608.3
40°	2050.6	2039.6	2035.2	2039.6	2055.0	2048.4	2055.0	2050.6	2050.6	2035.2	2035.2
42.5°	1618.1	1605.0	1596.1	1589.6	1589.6	1574.2	1563.2	1552.3	1545.7	1534.7	1532.5
45°	1247.1	1231.7	1220.7	1216.3	1209.8	1190.0	1176.8	1163.6	1148.2	1143.9	1146.1
47.5°	968.2	952.9	948.4	937.5	926.5	915.5	906.8	891.4	889.1	880.4	889.1
50°	746.5	742.1	735.5	731.1	724.5	715.7	707.0	698.2	693.8	693.8	695.9
52.5°	579.6	581.8	575.2	568.6	564.3	564.3	553.2	551.1	551.1	542.3	551.1
55°	443.5	441.3	443.5	439.1	439.1	432.5	432.5	425.9	425.9	419.3	423.7
57.5°	325.0	329.3	325.0	327.1	331.6	325.0	322.7	316.1	320.5	316.1	318.4
60°	252.5	252.5	252.5	250.3	250.3	248.1	248.1	245.9	245.9	241.5	245.9
62.5°	186.6	188.8	188.8	188.8	191.0	188.8	186.6	188.8	186.6	186.6	188.8
65°	123.0	125.2	125.2	123.0	127.3	123.0	125.2	127.3	129.5	127.3	129.5
67.5°	83.4	83.4	85.7	87.8	85.7	87.8	90.0	87.8	90.0	94.4	90.0
70°	61.5	63.7	63.7	61.5	59.3	61.5	59.3	65.9	65.9	65.9	70.2
72.5°	39.5	39.5	37.3	37.3	37.3	37.3	37.3	43.9	39.5	37.3	41.8
75°	22.0	24.1	24.1	17.5	19.8	24.1	17.5	19.8	26.4	22.0	26.4
77.5°	13.2	13.2	13.2	13.2	13.2	13.2	17.5	15.4	15.4	15.4	17.5
80°	10.9	8.8	8.8	6.6	8.8	8.8	8.8	13.2	10.9	10.9	13.2
82.5°	4.4	4.4	2.2	0.0	4.4	4.4	4.4	4.4	4.4	4.4	8.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	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: P248636

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSWOH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4
2.5°	4492.0	4492.0	4489.8	4485.5	4476.7	4476.7	4474.5	4467.9	4463.5	4461.3	4461.3
5°	4470.1	4461.3	4452.5	4428.4	4428.4	4424.0	4410.9	4402.0	4397.7	4386.6	4382.3
7.5°	4450.4	4424.0	4408.6	4393.2	4373.5	4364.7	4349.3	4342.7	4327.4	4316.4	4309.8
10°	4402.0	4384.5	4364.7	4340.6	4325.2	4307.7	4290.0	4276.9	4257.1	4246.1	4237.4
12.5°	4369.1	4342.7	4325.2	4298.8	4272.5	4257.1	4233.0	4217.7	4197.9	4175.9	4162.7
15°	4338.4	4309.8	4285.7	4257.1	4228.6	4211.1	4182.5	4165.0	4136.4	4114.5	4099.1
17.5°	4292.3	4268.1	4241.8	4206.6	4180.3	4158.4	4127.6	4105.7	4079.3	4050.7	4035.4
20°	4244.0	4215.4	4189.1	4153.9	4127.6	4101.3	4070.5	4046.4	4015.6	3989.3	3971.8
22.5°	4180.3	4147.3	4125.4	4090.2	4059.5	4031.0	4002.5	3973.9	3945.4	3923.4	3903.6
25°	4088.1	4052.9	4028.8	4000.2	3971.8	3949.8	3914.6	3897.1	3868.6	3848.8	3829.0
27.5°	3956.3	3930.0	3908.0	3879.5	3855.4	3837.8	3811.4	3793.9	3769.7	3752.2	3736.8
30°	3763.2	3741.2	3721.4	3692.9	3675.3	3660.0	3635.8	3620.4	3602.9	3583.1	3578.7
32.5°	3504.1	3486.5	3466.8	3447.0	3433.8	3425.0	3405.2	3396.5	3378.9	3367.9	3357.0
35°	3113.2	3097.9	3086.9	3078.2	3073.8	3075.9	3071.6	3080.3	3084.7	3082.5	3084.7
37.5°	2601.7	2592.9	2597.3	2603.9	2625.9	2654.4	2680.7	2720.2	2746.6	2773.0	2797.1
40°	2030.9	2037.5	2055.0	2094.5	2151.6	2215.3	2274.6	2349.3	2423.9	2476.6	2524.8
42.5°	1532.5	1552.3	1596.1	1653.2	1738.9	1833.2	1925.5	2035.2	2125.3	2213.1	2274.6
45°	1152.7	1179.0	1236.1	1315.2	1409.5	1519.3	1635.7	1758.6	1866.2	1956.2	2024.3
47.5°	898.0	922.1	979.2	1062.7	1179.0	1293.2	1413.9	1541.3	1653.2	1741.1	1800.3
50°	709.1	739.9	790.4	878.2	994.6	1115.3	1240.5	1365.6	1471.0	1545.7	1598.4
52.5°	557.7	586.2	634.5	726.8	845.3	966.1	1082.4	1205.4	1297.5	1370.0	1405.2
55°	432.5	458.9	509.3	586.2	698.2	816.8	933.1	1038.5	1124.1	1176.8	1209.8
57.5°	329.3	349.1	384.3	461.1	562.1	671.8	770.7	876.0	941.9	979.2	1001.1
60°	250.3	265.7	303.0	362.3	454.5	548.9	632.3	711.4	764.1	794.8	816.8
62.5°	188.8	206.4	232.7	283.2	353.4	430.3	500.6	559.8	603.8	623.6	638.9
65°	129.5	142.7	162.5	202.0	261.3	316.1	371.1	415.0	443.5	465.5	474.3
67.5°	96.6	105.4	116.4	147.1	188.8	232.7	270.0	300.8	331.6	340.3	355.7
70°	72.5	79.1	90.0	112.0	136.1	166.8	197.6	215.2	237.1	252.5	256.9
72.5°	46.1	48.3	59.3	72.5	92.2	112.0	131.8	147.1	160.3	169.1	173.4
75°	26.4	39.5	39.5	52.7	65.9	74.6	87.8	98.8	105.4	112.0	112.0
77.5°	17.5	24.1	26.4	32.9	39.5	50.5	61.5	68.0	74.6	76.8	76.8
80°	15.4	17.5	17.5	24.1	28.6	37.3	43.9	46.1	50.5	52.7	57.1
82.5°	6.6	8.8	10.9	17.5	19.8	19.8	26.4	28.6	32.9	35.2	35.2
85°	2.2	4.4	4.4	6.6	10.9	13.2	15.4	17.5	19.8	19.8	22.0
87.5°	2.2	2.2	0.0	2.2	4.4	4.4	8.8	8.8	8.8	13.2	13.2
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: P248636

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4	4496.4
2.5°	4457.0	4459.1	4450.4	4448.2	4443.8	4445.9	4450.4
5°	4375.7	4377.9	4369.1	4360.3	4360.3	4358.1	4360.3
7.5°	4298.8	4301.1	4287.9	4283.4	4274.7	4276.9	4276.9
10°	4222.0	4222.0	4202.3	4200.0	4193.4	4191.3	4191.3
12.5°	4147.3	4140.7	4125.4	4116.6	4121.0	4107.9	4107.9
15°	4081.5	4070.5	4050.7	4044.1	4033.2	4028.8	4028.8
17.5°	4013.4	4004.7	3987.1	3973.9	3960.7	3958.6	3960.7
20°	3947.5	3938.8	3916.8	3908.0	3897.1	3897.1	3892.7
22.5°	3881.7	3872.9	3853.2	3846.6	3831.2	3831.2	3833.4
25°	3813.6	3807.0	3785.1	3780.7	3778.5	3769.7	3774.1
27.5°	3721.4	3717.0	3699.5	3692.9	3684.1	3681.9	3686.3
30°	3552.3	3545.8	3532.6	3526.1	3510.7	3512.9	3517.2
32.5°	3341.6	3332.8	3315.2	3308.6	3295.5	3291.1	3293.3
35°	3078.2	3071.6	3056.2	3056.2	3043.0	3038.6	3043.0
37.5°	2810.3	2816.8	2810.3	2816.8	2810.3	2808.1	2810.3
40°	2557.8	2582.0	2586.3	2610.5	2601.7	2614.9	2612.7
42.5°	2316.3	2355.8	2371.2	2390.9	2386.6	2395.3	2401.9
45°	2072.5	2105.5	2120.9	2134.1	2136.3	2140.7	2142.9
47.5°	1842.0	1868.4	1870.6	1885.9	1883.8	1883.8	1890.4
50°	1626.9	1644.5	1648.8	1659.8	1651.1	1646.6	1648.8
52.5°	1427.1	1444.7	1440.2	1444.7	1433.7	1429.3	1431.5
55°	1222.9	1231.7	1231.7	1231.7	1218.5	1218.5	1218.5
57.5°	1014.3	1016.6	1012.1	1014.3	1012.1	998.9	996.8
60°	823.4	823.4	821.1	823.4	816.8	810.2	810.2
62.5°	643.3	647.7	656.4	647.7	643.3	647.7	641.1
65°	480.9	489.6	487.4	491.8	489.6	489.6	485.2
67.5°	362.3	364.5	366.6	368.9	368.9	368.9	368.9
70°	265.7	272.3	270.0	270.0	270.0	270.0	283.2
72.5°	177.8	186.6	184.4	188.8	188.8	193.2	188.8
75°	120.7	129.5	125.2	131.8	129.5	125.2	136.1
77.5°	81.2	85.7	87.8	90.0	87.8	85.7	87.8
80°	57.1	61.5	59.3	61.5	61.5	61.5	63.7
82.5°	35.2	41.8	39.5	41.8	39.5	41.8	41.8
85°	24.1	26.4	22.0	26.4	24.1	24.1	28.6
87.5°	15.4	13.2	13.2	15.4	13.2	15.4	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)