

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: P248570

Luminaire Tested: **LD8B70D010 ER8B70840 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248570
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: LD8B70D010 ER8B70840 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7480.0 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

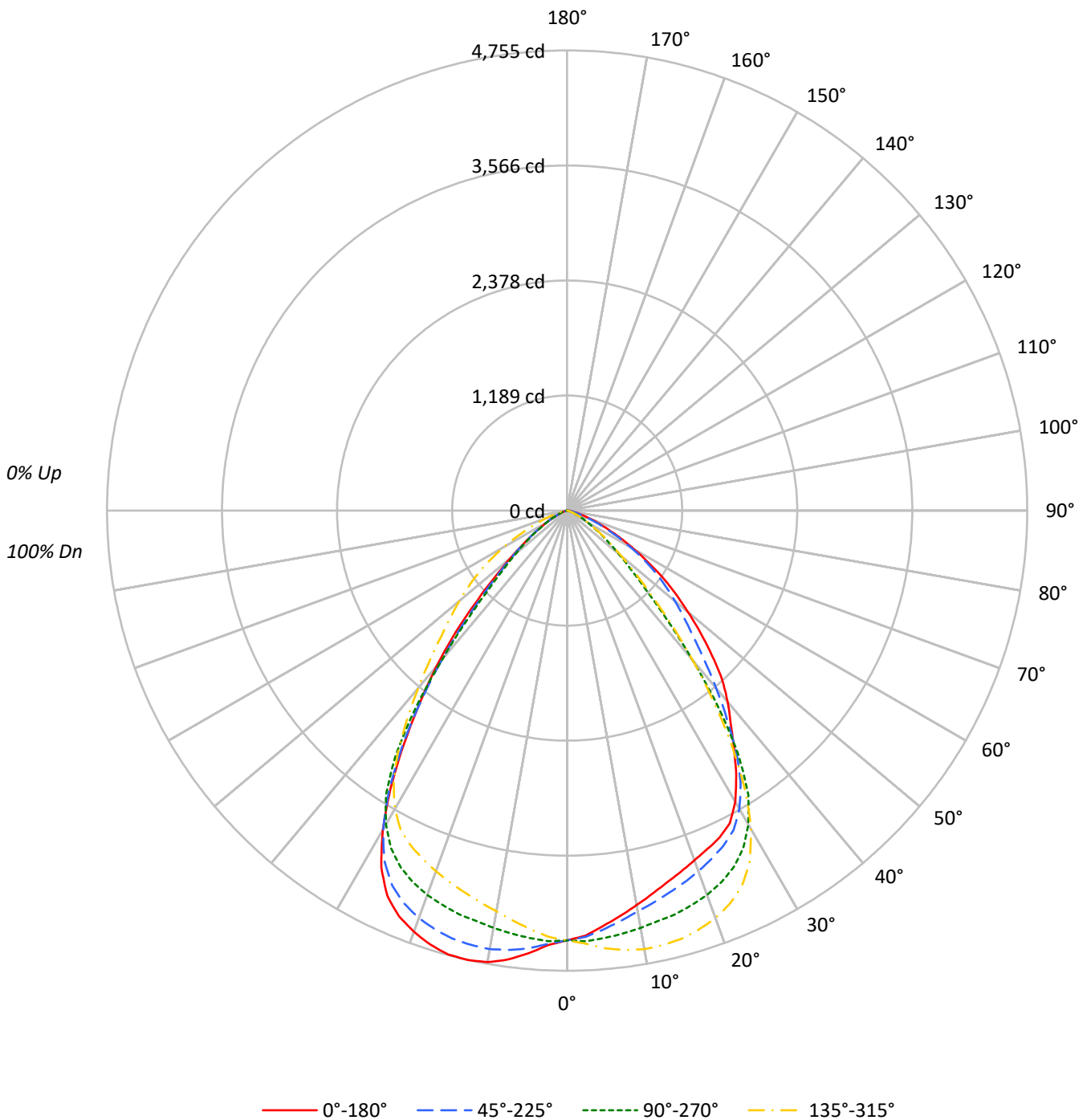
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	136932	136932	136932	136932
5°	133295	137254	142157	137254
10°	129607	137075	148347	137075
15°	127020	137890	151592	137890
20°	126155	138678	151984	138678
25°	126818	138400	149539	138400
30°	123680	133333	135729	133333
35°	113132	116313	110354	116313
40°	103867	80910	84489	80910
45°	92290	49357	57111	49357
50°	78114	32972	36618	32972
55°	64697	22499	23779	22499
60°	49344	14974	15110	14974
65°	34965	9332	8544	9332
70°	25218	6248	5671	6248
75°	16013	3110	2585	3110
80°	11170	2309	1918	2309
85°	9977	0	743	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.7	5.7
10°-20°	1224.0	16.4
20°-30°	1853.3	24.8
30°-40°	1857.5	24.8
40°-50°	1166.4	15.6
50°-60°	621.6	8.3
60°-70°	255.6	3.4
70°-80°	67.5	0.9
80°-90°	11.4	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°	3500.0	46.8
0°-40°	5357.5	71.6
0°-60°	7145.4	95.5
0°-90°	7480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7480.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4441	4441	4441	4441	4441	
5°	4306	4434	4592	4434	4306	406
15°	3979	4319	4748	4319	3979	1125
25°	3727	4068	4395	4068	3727	1709
35°	3005	3090	2932	3090	3005	1883
45°	2116	1132	1310	1132	2116	1628
55°	1203	418	442	418	1203	1073
65°	479	128	117	128	479	497
75°	134	26	22	26	134	152
85°	28	0	2	0	28	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°	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6
2.5°	4395.1	4390.7	4388.6	4393.0	4395.1	4403.8	4401.6	4405.9	4405.9	4408.2	4412.4
5°	4306.2	4304.0	4306.2	4306.2	4314.9	4323.5	4321.4	4327.9	4332.2	4343.1	4347.4
7.5°	4223.9	4223.9	4221.6	4230.3	4234.7	4247.7	4245.5	4256.3	4262.9	4273.7	4288.8
10°	4139.2	4139.2	4141.4	4147.9	4150.1	4169.6	4169.6	4184.8	4193.4	4204.3	4223.9
12.5°	4056.9	4056.9	4069.9	4065.5	4074.2	4089.4	4095.9	4111.0	4124.1	4145.8	4165.3
15°	3978.8	3978.8	3983.2	3994.0	4000.5	4020.0	4030.8	4048.2	4063.4	4085.1	4113.3
17.5°	3911.6	3909.4	3911.6	3924.6	3937.6	3954.9	3963.6	3985.3	4000.5	4028.7	4054.7
20°	3844.4	3848.7	3848.7	3859.5	3868.2	3889.9	3898.5	3922.5	3939.8	3965.7	3996.2
22.5°	3785.8	3783.7	3783.7	3798.9	3805.4	3824.8	3833.5	3855.2	3874.7	3896.4	3924.6
25°	3727.3	3722.9	3731.7	3733.8	3738.1	3759.8	3766.3	3781.5	3801.0	3820.5	3848.7
27.5°	3640.5	3636.2	3638.4	3647.0	3653.6	3670.9	3675.2	3690.4	3705.6	3722.9	3746.8
30°	3473.5	3469.3	3467.1	3482.3	3488.8	3501.7	3508.3	3534.3	3538.6	3558.2	3575.5
32.5°	3252.4	3250.2	3254.6	3267.6	3274.1	3291.5	3300.1	3315.3	3326.1	3337.0	3354.3
35°	3005.3	3000.9	3005.3	3018.3	3018.3	3033.5	3040.0	3046.4	3044.3	3046.4	3042.1
37.5°	2775.4	2773.2	2775.4	2781.9	2775.4	2781.9	2775.4	2762.4	2738.6	2712.5	2686.5
40°	2580.3	2582.4	2569.5	2578.1	2554.2	2549.9	2526.1	2493.5	2445.9	2393.8	2320.1
42.5°	2372.1	2365.6	2357.0	2361.2	2341.8	2326.5	2287.5	2246.4	2185.6	2098.9	2010.0
45°	2116.3	2114.1	2109.7	2107.6	2094.6	2079.4	2046.8	1999.2	1932.0	1843.1	1736.8
47.5°	1866.9	1860.4	1860.4	1862.5	1847.4	1845.2	1819.1	1778.0	1719.5	1632.7	1522.1
50°	1628.3	1626.2	1630.6	1639.2	1628.3	1624.1	1606.7	1578.5	1526.5	1452.8	1348.6
52.5°	1413.7	1411.6	1415.9	1426.7	1422.4	1426.7	1409.4	1387.7	1353.0	1281.4	1190.4
55°	1203.4	1203.4	1203.4	1216.4	1216.4	1216.4	1207.7	1194.8	1162.2	1110.2	1025.6
57.5°	984.4	986.6	999.6	1001.7	999.6	1004.0	1001.7	988.7	967.1	930.2	865.2
60°	800.1	800.1	806.6	813.1	810.9	813.1	813.1	806.6	784.9	754.6	702.6
62.5°	633.1	639.6	635.3	639.6	648.3	639.6	635.3	631.0	615.8	596.3	552.9
65°	479.2	483.5	483.5	485.7	481.3	483.5	474.9	468.4	459.7	438.0	409.8
67.5°	364.3	364.3	364.3	364.3	362.1	359.9	357.8	351.3	336.1	327.5	297.0
70°	279.7	266.7	266.7	266.7	266.7	268.9	262.4	253.7	249.4	234.2	212.5
72.5°	186.4	190.8	186.4	186.4	182.2	184.3	175.6	171.3	167.0	158.3	145.3
75°	134.4	123.6	127.9	130.1	123.6	127.9	119.2	110.6	110.6	104.1	97.5
77.5°	86.7	84.6	86.7	88.9	86.7	84.6	80.2	75.9	75.9	73.7	67.2
80°	62.9	60.7	60.7	60.7	58.5	60.7	56.4	56.4	52.0	49.9	45.5
82.5°	41.2	41.2	39.0	41.2	39.0	41.2	34.7	34.7	34.7	32.5	28.2
85°	28.2	23.8	23.8	26.1	21.7	26.1	23.8	21.7	19.5	19.5	17.3
87.5°	13.0	15.2	13.0	15.2	13.0	13.0	15.2	13.0	13.0	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6
2.5°	4419.0	4421.1	4421.1	4429.8	4434.1	4436.3	4436.3	4453.7	4447.2	4451.5	4455.8
5°	4356.1	4369.1	4373.4	4373.4	4397.3	4405.9	4414.6	4434.1	4436.3	4449.3	4464.5
7.5°	4295.3	4310.5	4319.3	4338.7	4353.9	4369.1	4395.1	4408.2	4421.1	4438.5	4458.0
10°	4236.8	4254.2	4271.5	4286.7	4310.5	4330.1	4347.4	4377.7	4393.0	4416.8	4442.8
12.5°	4180.5	4204.3	4219.5	4245.5	4271.5	4288.8	4314.9	4343.1	4366.9	4390.7	4421.1
15°	4130.6	4158.8	4176.1	4204.3	4232.5	4256.3	4284.5	4319.3	4336.6	4364.8	4393.0
17.5°	4076.3	4106.8	4128.4	4154.4	4189.1	4215.1	4239.0	4273.7	4295.3	4325.7	4358.3
20°	4020.0	4050.4	4076.3	4102.4	4137.1	4163.1	4191.3	4226.0	4249.8	4280.2	4306.2
22.5°	3952.8	3981.0	4009.1	4039.5	4074.2	4095.9	4128.4	4158.8	4184.8	4213.0	4239.0
25°	3866.1	3900.8	3922.5	3950.6	3978.8	4002.6	4037.3	4067.7	4089.4	4115.4	4139.2
27.5°	3764.1	3790.2	3807.5	3831.3	3859.5	3881.2	3907.2	3937.6	3959.3	3983.2	4000.5
30°	3590.6	3614.6	3629.7	3647.0	3675.2	3694.8	3716.5	3744.6	3759.8	3777.2	3792.3
32.5°	3363.0	3382.5	3391.2	3404.2	3423.7	3443.2	3460.6	3484.4	3490.9	3501.7	3501.7
35°	3033.5	3037.7	3035.6	3040.0	3048.6	3059.4	3074.6	3089.8	3098.4	3098.4	3092.0
37.5°	2647.5	2621.5	2593.3	2571.6	2565.1	2560.7	2569.5	2575.9	2584.6	2588.9	2578.1
40°	2246.4	2187.8	2124.9	2068.5	2029.5	2012.2	2005.7	2010.0	2010.0	2025.1	2025.1
42.5°	1901.6	1810.5	1717.3	1632.7	1576.3	1533.0	1513.5	1513.5	1515.6	1526.5	1533.0
45°	1615.4	1500.4	1392.0	1298.8	1220.7	1164.3	1138.4	1131.8	1129.7	1134.0	1149.2
47.5°	1396.4	1277.1	1164.3	1049.5	967.1	910.7	886.9	878.1	869.5	878.1	880.3
50°	1225.1	1101.5	982.3	867.3	780.6	730.7	700.3	687.3	685.2	685.2	689.5
52.5°	1068.9	954.1	834.8	717.7	626.6	579.0	550.8	544.2	535.6	544.2	544.2
55°	921.5	806.6	689.5	579.0	503.0	453.2	427.1	418.5	414.1	420.6	420.6
57.5°	761.1	663.5	555.1	455.3	379.5	344.8	325.2	314.4	312.2	316.6	312.2
60°	624.5	542.1	448.8	357.8	299.2	262.4	247.2	242.8	238.5	242.8	242.8
62.5°	494.3	425.0	349.1	279.7	229.8	203.8	186.4	186.4	184.3	184.3	186.4
65°	366.5	312.2	258.0	199.5	160.5	140.9	127.9	127.9	125.8	127.9	125.8
67.5°	266.7	229.8	186.4	145.3	115.0	104.1	95.4	88.9	93.3	88.9	86.7
70°	195.2	164.8	134.4	110.6	88.9	78.1	71.6	69.3	65.1	65.1	65.1
72.5°	130.1	110.6	91.0	71.6	58.5	47.7	45.5	41.2	36.9	39.0	43.4
75°	86.7	73.7	65.1	52.0	39.0	39.0	26.1	26.1	21.7	26.1	19.5
77.5°	60.7	49.9	39.0	32.5	26.1	23.8	17.3	17.3	15.2	15.2	15.2
80°	43.4	36.9	28.2	23.8	17.3	17.3	15.2	13.0	10.8	10.8	13.0
82.5°	26.1	19.5	19.5	17.3	10.8	8.7	6.5	8.7	4.4	4.4	4.4
85°	15.2	13.0	10.8	6.5	4.4	4.4	2.1	0.0	2.1	2.1	0.0
87.5°	8.7	4.4	4.4	2.1	0.0	2.1	2.1	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°	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6
2.5°	4466.7	4464.5	4468.8	4468.8	4481.9	4479.6	4486.2	4486.2	4481.9	4484.0	4492.7
5°	4481.9	4488.4	4501.3	4512.2	4531.7	4540.4	4551.2	4562.1	4564.2	4570.8	4577.3
7.5°	4481.9	4503.6	4518.7	4538.2	4564.2	4579.4	4603.2	4622.8	4631.5	4642.3	4655.3
10°	4473.1	4494.8	4523.0	4544.7	4577.3	4601.1	4624.9	4655.3	4668.3	4685.6	4703.0
12.5°	4455.8	4479.6	4510.0	4538.2	4575.0	4596.7	4627.1	4655.3	4674.8	4698.7	4718.2
15°	4429.8	4458.0	4486.2	4514.4	4553.4	4579.4	4607.6	4640.1	4659.7	4685.6	4703.0
17.5°	4388.6	4419.0	4445.0	4471.0	4507.8	4538.2	4564.2	4594.6	4614.1	4635.8	4659.7
20°	4338.7	4366.9	4395.1	4416.8	4453.7	4479.6	4507.8	4536.0	4551.2	4555.6	4592.5
22.5°	4275.9	4295.3	4317.0	4351.7	4373.4	4397.3	4423.3	4449.3	4464.5	4488.4	4501.3
25°	4171.7	4191.3	4215.1	4230.3	4256.3	4275.9	4301.9	4330.1	4338.7	4356.1	4369.1
27.5°	4026.5	4037.3	4048.2	4061.2	4076.3	4087.2	4102.4	4115.4	4124.1	4132.7	4141.4
30°	3796.6	3796.6	3796.6	3788.0	3794.5	3801.0	3803.1	3801.0	3801.0	3798.9	3798.9
32.5°	3493.1	3475.8	3456.2	3438.9	3432.4	3423.7	3419.4	3412.9	3402.1	3395.5	3397.7
35°	3083.3	3044.3	3020.4	2998.7	2981.4	2968.4	2961.9	2955.4	2953.2	2944.6	2935.8
37.5°	2571.6	2543.4	2526.1	2513.1	2497.9	2484.9	2487.0	2489.2	2495.7	2491.4	2493.5
40°	2029.5	2023.0	2029.5	2014.3	2010.0	2014.3	2025.1	2040.4	2049.1	2057.7	2072.9
42.5°	1543.8	1554.6	1569.9	1569.9	1576.3	1585.1	1598.0	1621.9	1634.9	1650.0	1667.4
45°	1162.2	1175.2	1194.8	1201.2	1205.6	1216.4	1231.6	1251.1	1259.7	1272.8	1287.9
47.5°	895.5	904.2	915.0	925.9	936.7	941.0	956.2	956.2	967.1	975.8	980.0
50°	698.2	706.8	715.5	722.0	726.4	732.9	737.2	743.7	745.8	750.2	752.4
52.5°	546.4	557.3	557.3	561.6	568.1	574.6	572.4	574.6	576.7	576.7	583.2
55°	427.1	427.1	433.7	433.7	438.0	435.8	438.0	438.0	438.0	438.0	440.2
57.5°	318.7	320.9	327.5	323.1	320.9	325.2	320.9	325.2	323.1	327.5	320.9
60°	245.0	245.0	247.2	247.2	249.4	249.4	249.4	247.2	247.2	245.0	245.0
62.5°	184.3	186.4	188.7	186.4	186.4	186.4	184.3	184.3	182.2	179.9	179.9
65°	123.6	121.5	125.8	121.5	123.6	123.6	121.5	123.6	117.1	119.2	117.1
67.5°	88.9	86.7	84.6	86.7	84.6	82.4	82.4	84.6	86.7	80.2	80.2
70°	58.5	60.7	58.5	60.7	62.9	62.9	60.7	58.5	60.7	56.4	58.5
72.5°	36.9	36.9	36.9	36.9	36.9	39.0	39.0	39.0	34.7	34.7	32.5
75°	17.3	23.8	19.5	17.3	23.8	23.8	21.7	21.7	19.5	19.5	19.5
77.5°	17.3	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.8	13.0	10.8
80°	8.7	8.7	8.7	6.5	8.7	8.7	10.8	8.7	8.7	6.5	10.8
82.5°	4.4	4.4	4.4	0.0	2.1	4.4	4.4	2.1	4.4	4.4	2.1
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: P248570

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6
2.5°	4490.5	4488.4	4490.5	4492.7	4490.5	4488.4	4490.5	4492.7	4484.0	4481.9	4486.2
5°	4585.9	4585.9	4590.2	4592.5	4590.2	4585.9	4585.9	4577.3	4570.8	4564.2	4562.1
7.5°	4668.3	4672.7	4677.0	4679.1	4677.0	4672.7	4668.3	4655.3	4642.3	4631.5	4622.8
10°	4718.2	4724.7	4733.4	4737.7	4733.4	4724.7	4718.2	4703.0	4685.6	4668.3	4655.3
12.5°	4739.9	4746.4	4757.2	4755.1	4757.2	4746.4	4739.9	4718.2	4698.7	4674.8	4655.3
15°	4724.7	4733.4	4744.2	4748.5	4744.2	4733.4	4724.7	4703.0	4685.6	4659.7	4640.1
17.5°	4677.0	4690.0	4696.5	4703.0	4696.5	4690.0	4677.0	4659.7	4635.8	4614.1	4594.6
20°	4611.9	4620.7	4629.3	4631.5	4629.3	4620.7	4611.9	4592.5	4555.6	4551.2	4536.0
22.5°	4518.7	4525.2	4544.7	4538.2	4544.7	4525.2	4518.7	4501.3	4488.4	4464.5	4449.3
25°	4384.2	4390.7	4393.0	4395.1	4393.0	4390.7	4384.2	4369.1	4356.1	4338.7	4330.1
27.5°	4152.3	4152.3	4156.6	4158.8	4156.6	4152.3	4152.3	4141.4	4132.7	4124.1	4115.4
30°	3801.0	3801.0	3801.0	3811.9	3801.0	3801.0	3801.0	3798.9	3798.9	3801.0	3801.0
32.5°	3395.5	3391.2	3386.9	3391.2	3386.9	3391.2	3395.5	3397.7	3395.5	3402.1	3412.9
35°	2935.8	2933.7	2940.2	2931.5	2940.2	2933.7	2935.8	2935.8	2944.6	2953.2	2955.4
37.5°	2495.7	2491.4	2500.0	2491.4	2500.0	2491.4	2495.7	2493.5	2491.4	2495.7	2489.2
40°	2077.3	2081.5	2081.5	2098.9	2081.5	2081.5	2077.3	2072.9	2057.7	2049.1	2040.4
42.5°	1676.1	1689.1	1684.7	1697.8	1684.7	1689.1	1676.1	1667.4	1650.0	1634.9	1621.9
45°	1296.6	1305.3	1305.3	1309.6	1305.3	1305.3	1296.6	1287.9	1272.8	1259.7	1251.1
47.5°	995.2	995.2	995.2	997.4	995.2	995.2	995.2	980.0	975.8	967.1	956.2
50°	756.7	758.9	761.1	763.3	761.1	758.9	756.7	752.4	750.2	745.8	743.7
52.5°	581.1	583.2	579.0	583.2	579.0	583.2	581.1	583.2	576.7	576.7	574.6
55°	440.2	438.0	440.2	442.3	440.2	438.0	440.2	440.2	438.0	438.0	438.0
57.5°	323.1	318.7	318.7	318.7	318.7	318.7	323.1	320.9	327.5	323.1	325.2
60°	240.7	242.8	242.8	245.0	242.8	242.8	240.7	245.0	245.0	247.2	247.2
62.5°	177.8	184.3	179.9	184.3	179.9	184.3	177.8	179.9	179.9	182.2	184.3
65°	115.0	115.0	115.0	117.1	115.0	115.0	115.0	117.1	119.2	117.1	123.6
67.5°	78.1	80.2	84.6	82.4	84.6	80.2	78.1	80.2	80.2	86.7	84.6
70°	62.9	56.4	56.4	62.9	56.4	56.4	62.9	58.5	56.4	60.7	58.5
72.5°	36.9	32.5	36.9	36.9	36.9	32.5	36.9	32.5	34.7	34.7	39.0
75°	19.5	17.3	15.2	21.7	15.2	17.3	19.5	19.5	19.5	19.5	21.7
77.5°	13.0	10.8	15.2	15.2	15.2	10.8	13.0	10.8	13.0	10.8	13.0
80°	6.5	8.7	6.5	10.8	6.5	8.7	6.5	10.8	6.5	8.7	8.7
82.5°	2.1	4.4	4.4	4.4	4.4	4.4	2.1	2.1	4.4	4.4	2.1
85°	0.0	4.4	2.1	2.1	2.1	4.4	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.0	0.0	2.1	0.0	0.0	2.1	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: P248570

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6
2.5°	4486.2	4479.6	4481.9	4468.8	4468.8	4464.5	4466.7	4455.8	4451.5	4447.2	4453.7
5°	4551.2	4540.4	4531.7	4512.2	4501.3	4488.4	4481.9	4464.5	4449.3	4436.3	4434.1
7.5°	4603.2	4579.4	4564.2	4538.2	4518.7	4503.6	4481.9	4458.0	4438.5	4421.1	4408.2
10°	4624.9	4601.1	4577.3	4544.7	4523.0	4494.8	4473.1	4442.8	4416.8	4393.0	4377.7
12.5°	4627.1	4596.7	4575.0	4538.2	4510.0	4479.6	4455.8	4421.1	4390.7	4366.9	4343.1
15°	4607.6	4579.4	4553.4	4514.4	4486.2	4458.0	4429.8	4393.0	4364.8	4336.6	4319.3
17.5°	4564.2	4538.2	4507.8	4471.0	4445.0	4419.0	4388.6	4358.3	4325.7	4295.3	4273.7
20°	4507.8	4479.6	4453.7	4416.8	4395.1	4366.9	4338.7	4306.2	4280.2	4249.8	4226.0
22.5°	4423.3	4397.3	4373.4	4351.7	4317.0	4295.3	4275.9	4239.0	4213.0	4184.8	4158.8
25°	4301.9	4275.9	4256.3	4230.3	4215.1	4191.3	4171.7	4139.2	4115.4	4089.4	4067.7
27.5°	4102.4	4087.2	4076.3	4061.2	4048.2	4037.3	4026.5	4000.5	3983.2	3959.3	3937.6
30°	3803.1	3801.0	3794.5	3788.0	3796.6	3796.6	3796.6	3792.3	3777.2	3759.8	3744.6
32.5°	3419.4	3423.7	3432.4	3438.9	3456.2	3475.8	3493.1	3501.7	3501.7	3490.9	3484.4
35°	2961.9	2968.4	2981.4	2998.7	3020.4	3044.3	3083.3	3092.0	3098.4	3098.4	3089.8
37.5°	2487.0	2484.9	2497.9	2513.1	2526.1	2543.4	2571.6	2578.1	2588.9	2584.6	2575.9
40°	2025.1	2014.3	2010.0	2014.3	2029.5	2023.0	2029.5	2025.1	2025.1	2010.0	2010.0
42.5°	1598.0	1585.1	1576.3	1569.9	1569.9	1554.6	1543.8	1533.0	1526.5	1515.6	1513.5
45°	1231.6	1216.4	1205.6	1201.2	1194.8	1175.2	1162.2	1149.2	1134.0	1129.7	1131.8
47.5°	956.2	941.0	936.7	925.9	915.0	904.2	895.5	880.3	878.1	869.5	878.1
50°	737.2	732.9	726.4	722.0	715.5	706.8	698.2	689.5	685.2	685.2	687.3
52.5°	572.4	574.6	568.1	561.6	557.3	557.3	546.4	544.2	544.2	535.6	544.2
55°	438.0	435.8	438.0	433.7	433.7	427.1	427.1	420.6	420.6	414.1	418.5
57.5°	320.9	325.2	320.9	323.1	327.5	320.9	318.7	312.2	316.6	312.2	314.4
60°	249.4	249.4	249.4	247.2	247.2	245.0	245.0	242.8	242.8	238.5	242.8
62.5°	184.3	186.4	186.4	186.4	188.7	186.4	184.3	186.4	184.3	184.3	186.4
65°	121.5	123.6	123.6	121.5	125.8	121.5	123.6	125.8	127.9	125.8	127.9
67.5°	82.4	82.4	84.6	86.7	84.6	86.7	88.9	86.7	88.9	93.3	88.9
70°	60.7	62.9	62.9	60.7	58.5	60.7	58.5	65.1	65.1	65.1	69.3
72.5°	39.0	39.0	36.9	36.9	36.9	36.9	36.9	43.4	39.0	36.9	41.2
75°	21.7	23.8	23.8	17.3	19.5	23.8	17.3	19.5	26.1	21.7	26.1
77.5°	13.0	13.0	13.0	13.0	13.0	13.0	17.3	15.2	15.2	15.2	17.3
80°	10.8	8.7	8.7	6.5	8.7	8.7	8.7	13.0	10.8	10.8	13.0
82.5°	4.4	4.4	2.1	0.0	4.4	4.4	4.4	4.4	4.4	4.4	8.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	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: P248570

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6
2.5°	4436.3	4436.3	4434.1	4429.8	4421.1	4421.1	4419.0	4412.4	4408.2	4405.9	4405.9
5°	4414.6	4405.9	4397.3	4373.4	4373.4	4369.1	4356.1	4347.4	4343.1	4332.2	4327.9
7.5°	4395.1	4369.1	4353.9	4338.7	4319.3	4310.5	4295.3	4288.8	4273.7	4262.9	4256.3
10°	4347.4	4330.1	4310.5	4286.7	4271.5	4254.2	4236.8	4223.9	4204.3	4193.4	4184.8
12.5°	4314.9	4288.8	4271.5	4245.5	4219.5	4204.3	4180.5	4165.3	4145.8	4124.1	4111.0
15°	4284.5	4256.3	4232.5	4204.3	4176.1	4158.8	4130.6	4113.3	4085.1	4063.4	4048.2
17.5°	4239.0	4215.1	4189.1	4154.4	4128.4	4106.8	4076.3	4054.7	4028.7	4000.5	3985.3
20°	4191.3	4163.1	4137.1	4102.4	4076.3	4050.4	4020.0	3996.2	3965.7	3939.8	3922.5
22.5°	4128.4	4095.9	4074.2	4039.5	4009.1	3981.0	3952.8	3924.6	3896.4	3874.7	3855.2
25°	4037.3	4002.6	3978.8	3950.6	3922.5	3900.8	3866.1	3848.7	3820.5	3801.0	3781.5
27.5°	3907.2	3881.2	3859.5	3831.3	3807.5	3790.2	3764.1	3746.8	3722.9	3705.6	3690.4
30°	3716.5	3694.8	3675.2	3647.0	3629.7	3614.6	3590.6	3575.5	3558.2	3538.6	3534.3
32.5°	3460.6	3443.2	3423.7	3404.2	3391.2	3382.5	3363.0	3354.3	3337.0	3326.1	3315.3
35°	3074.6	3059.4	3048.6	3040.0	3035.6	3037.7	3033.5	3042.1	3046.4	3044.3	3046.4
37.5°	2569.5	2560.7	2565.1	2571.6	2593.3	2621.5	2647.5	2686.5	2712.5	2738.6	2762.4
40°	2005.7	2012.2	2029.5	2068.5	2124.9	2187.8	2246.4	2320.1	2393.8	2445.9	2493.5
42.5°	1513.5	1533.0	1576.3	1632.7	1717.3	1810.5	1901.6	2010.0	2098.9	2185.6	2246.4
45°	1138.4	1164.3	1220.7	1298.8	1392.0	1500.4	1615.4	1736.8	1843.1	1932.0	1999.2
47.5°	886.9	910.7	967.1	1049.5	1164.3	1277.1	1396.4	1522.1	1632.7	1719.5	1778.0
50°	700.3	730.7	780.6	867.3	982.3	1101.5	1225.1	1348.6	1452.8	1526.5	1578.5
52.5°	550.8	579.0	626.6	717.7	834.8	954.1	1068.9	1190.4	1281.4	1353.0	1387.7
55°	427.1	453.2	503.0	579.0	689.5	806.6	921.5	1025.6	1110.2	1162.2	1194.8
57.5°	325.2	344.8	379.5	455.3	555.1	663.5	761.1	865.2	930.2	967.1	988.7
60°	247.2	262.4	299.2	357.8	448.8	542.1	624.5	702.6	754.6	784.9	806.6
62.5°	186.4	203.8	229.8	279.7	349.1	425.0	494.3	552.9	596.3	615.8	631.0
65°	127.9	140.9	160.5	199.5	258.0	312.2	366.5	409.8	438.0	459.7	468.4
67.5°	95.4	104.1	115.0	145.3	186.4	229.8	266.7	297.0	327.5	336.1	351.3
70°	71.6	78.1	88.9	110.6	134.4	164.8	195.2	212.5	234.2	249.4	253.7
72.5°	45.5	47.7	58.5	71.6	91.0	110.6	130.1	145.3	158.3	167.0	171.3
75°	26.1	39.0	39.0	52.0	65.1	73.7	86.7	97.5	104.1	110.6	110.6
77.5°	17.3	23.8	26.1	32.5	39.0	49.9	60.7	67.2	73.7	75.9	75.9
80°	15.2	17.3	17.3	23.8	28.2	36.9	43.4	45.5	49.9	52.0	56.4
82.5°	6.5	8.7	10.8	17.3	19.5	19.5	26.1	28.2	32.5	34.7	34.7
85°	2.1	4.4	4.4	6.5	10.8	13.0	15.2	17.3	19.5	19.5	21.7
87.5°	2.1	2.1	0.0	2.1	4.4	4.4	8.7	8.7	8.7	13.0	13.0
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: P248570

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6	4440.6
2.5°	4401.6	4403.8	4395.1	4393.0	4388.6	4390.7	4395.1
5°	4321.4	4323.5	4314.9	4306.2	4306.2	4304.0	4306.2
7.5°	4245.5	4247.7	4234.7	4230.3	4221.6	4223.9	4223.9
10°	4169.6	4169.6	4150.1	4147.9	4141.4	4139.2	4139.2
12.5°	4095.9	4089.4	4074.2	4065.5	4069.9	4056.9	4056.9
15°	4030.8	4020.0	4000.5	3994.0	3983.2	3978.8	3978.8
17.5°	3963.6	3954.9	3937.6	3924.6	3911.6	3909.4	3911.6
20°	3898.5	3889.9	3868.2	3859.5	3848.7	3848.7	3844.4
22.5°	3833.5	3824.8	3805.4	3798.9	3783.7	3783.7	3785.8
25°	3766.3	3759.8	3738.1	3733.8	3731.7	3722.9	3727.3
27.5°	3675.2	3670.9	3653.6	3647.0	3638.4	3636.2	3640.5
30°	3508.3	3501.7	3488.8	3482.3	3467.1	3469.3	3473.5
32.5°	3300.1	3291.5	3274.1	3267.6	3254.6	3250.2	3252.4
35°	3040.0	3033.5	3018.3	3018.3	3005.3	3000.9	3005.3
37.5°	2775.4	2781.9	2775.4	2781.9	2775.4	2773.2	2775.4
40°	2526.1	2549.9	2554.2	2578.1	2569.5	2582.4	2580.3
42.5°	2287.5	2326.5	2341.8	2361.2	2357.0	2365.6	2372.1
45°	2046.8	2079.4	2094.6	2107.6	2109.7	2114.1	2116.3
47.5°	1819.1	1845.2	1847.4	1862.5	1860.4	1860.4	1866.9
50°	1606.7	1624.1	1628.3	1639.2	1630.6	1626.2	1628.3
52.5°	1409.4	1426.7	1422.4	1426.7	1415.9	1411.6	1413.7
55°	1207.7	1216.4	1216.4	1216.4	1203.4	1203.4	1203.4
57.5°	1001.7	1004.0	999.6	1001.7	999.6	986.6	984.4
60°	813.1	813.1	810.9	813.1	806.6	800.1	800.1
62.5°	635.3	639.6	648.3	639.6	635.3	639.6	633.1
65°	474.9	483.5	481.3	485.7	483.5	483.5	479.2
67.5°	357.8	359.9	362.1	364.3	364.3	364.3	364.3
70°	262.4	268.9	266.7	266.7	266.7	266.7	279.7
72.5°	175.6	184.3	182.2	186.4	186.4	190.8	186.4
75°	119.2	127.9	123.6	130.1	127.9	123.6	134.4
77.5°	80.2	84.6	86.7	88.9	86.7	84.6	86.7
80°	56.4	60.7	58.5	60.7	60.7	60.7	62.9
82.5°	34.7	41.2	39.0	41.2	39.0	41.2	41.2
85°	23.8	26.1	21.7	26.1	23.8	23.8	28.2
87.5°	15.2	13.0	13.0	15.2	13.0	15.2	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)