

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: P248861

Luminaire Tested: **LD8B100D010 ER8B1009730 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248861
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 ER8B1009730 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7416.0 lumens
Efficiency: N/A
Efficacy: 69.8 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

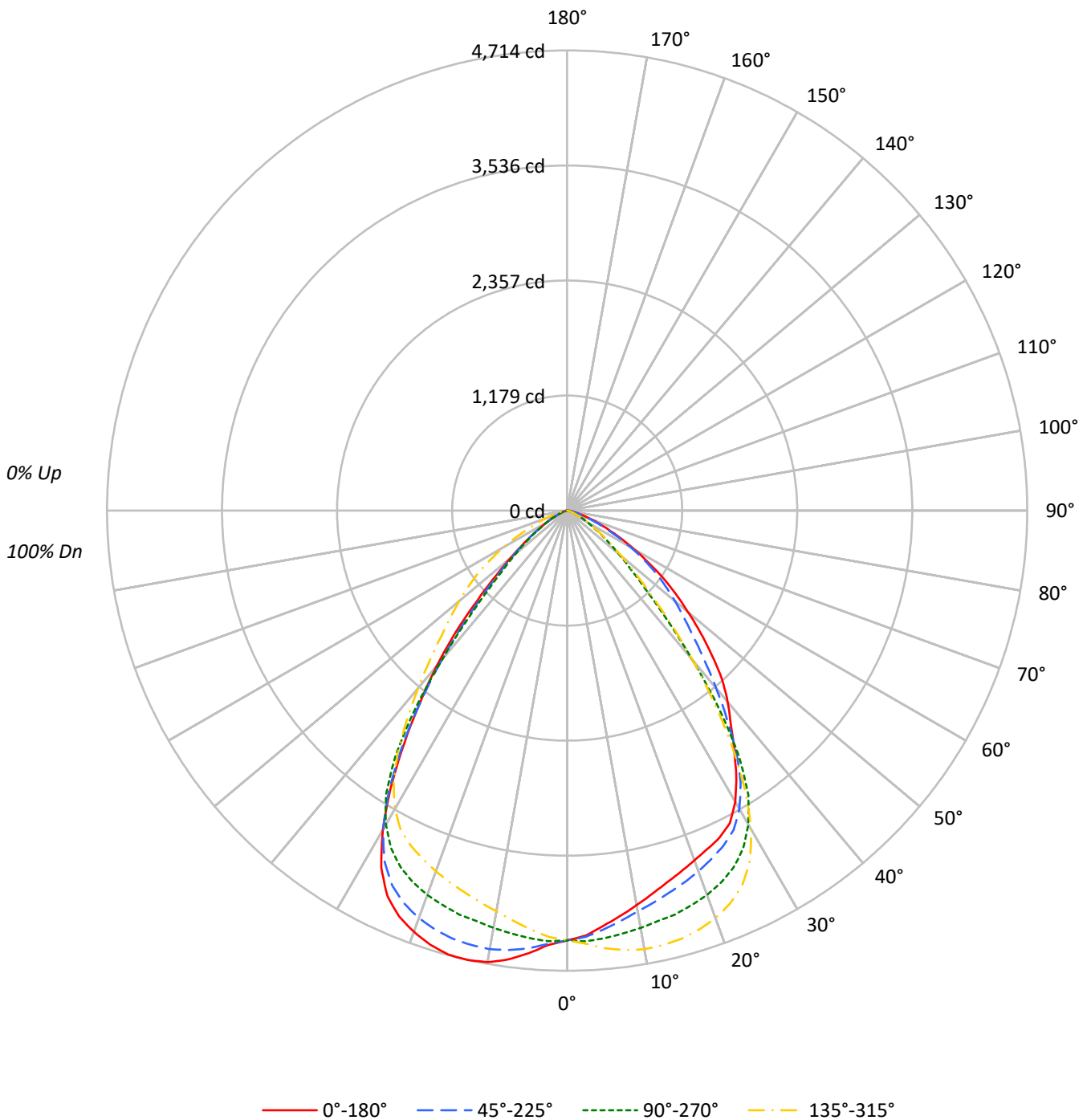
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	419.0	5.7
10°-20°	1213.5	16.4
20°-30°	1837.5	24.8
30°-40°	1841.6	24.8
40°-50°	1156.4	15.6
50°-60°	616.3	8.3
60°-70°	253.4	3.4
70°-80°	66.9	0.9
80°-90°	11.3	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°	3470.0	46.8
0°-40°	5311.6	71.6
0°-60°	7084.3	95.5
0°-90°	7416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7416.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4403	4403	4403	4403	4403	
5°	4269	4396	4553	4396	4269	403
15°	3945	4282	4708	4282	3945	1116
25°	3695	4033	4358	4033	3695	1695
35°	2980	3063	2906	3063	2980	1867
45°	2098	1122	1298	1122	2098	1614
55°	1193	415	438	415	1193	1064
65°	475	127	116	127	475	493
75°	133	26	22	26	133	151
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°	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6
2.5°	4357.5	4353.2	4351.1	4355.4	4357.5	4366.1	4364.0	4368.2	4368.2	4370.4	4374.7
5°	4269.4	4267.2	4269.4	4269.4	4278.0	4286.6	4284.4	4290.9	4295.1	4305.9	4310.2
7.5°	4187.7	4187.7	4185.5	4194.1	4198.4	4211.3	4209.1	4219.9	4226.4	4237.1	4252.1
10°	4103.8	4103.8	4106.0	4112.4	4114.6	4133.9	4133.9	4149.0	4157.5	4168.3	4187.7
12.5°	4022.2	4022.2	4035.1	4030.7	4039.3	4054.4	4060.8	4075.9	4088.8	4110.3	4129.7
15°	3944.7	3944.7	3949.1	3959.8	3966.2	3985.6	3996.3	4013.6	4028.6	4050.1	4078.1
17.5°	3878.1	3876.0	3878.1	3891.0	3903.9	3921.1	3929.7	3951.2	3966.2	3994.2	4020.0
20°	3811.5	3815.8	3815.8	3826.5	3835.1	3856.6	3865.2	3888.9	3906.1	3931.8	3962.0
22.5°	3753.4	3751.3	3751.3	3766.4	3772.8	3792.1	3800.7	3822.2	3841.6	3863.1	3891.0
25°	3695.4	3691.1	3699.7	3701.8	3706.1	3727.6	3734.1	3749.1	3768.5	3787.9	3815.8
27.5°	3609.4	3605.1	3607.3	3615.8	3622.3	3639.5	3643.8	3658.8	3673.9	3691.1	3714.8
30°	3443.8	3439.6	3437.5	3452.5	3459.0	3471.8	3478.2	3504.1	3508.3	3527.7	3544.9
32.5°	3224.6	3222.4	3226.8	3239.6	3246.1	3263.3	3271.9	3286.9	3297.6	3308.4	3325.6
35°	2979.5	2975.2	2979.5	2992.5	2992.5	3007.5	3014.0	3020.3	3018.2	3020.3	3016.1
37.5°	2751.7	2749.5	2751.7	2758.1	2751.7	2758.1	2751.7	2738.8	2715.2	2689.3	2663.5
40°	2558.2	2560.3	2547.5	2556.1	2532.3	2528.1	2504.5	2472.2	2424.9	2373.3	2300.2
42.5°	2351.8	2345.4	2336.8	2341.0	2321.7	2306.6	2268.0	2227.2	2166.9	2081.0	1992.8
45°	2098.1	2096.0	2091.7	2089.6	2076.6	2061.6	2029.3	1982.1	1915.4	1827.3	1721.9
47.5°	1850.9	1844.5	1844.5	1846.6	1831.5	1829.4	1803.6	1762.8	1704.7	1618.7	1509.1
50°	1614.4	1612.3	1616.6	1625.2	1614.4	1610.2	1593.0	1565.0	1513.4	1440.4	1337.1
52.5°	1401.6	1399.5	1403.8	1414.5	1410.2	1414.5	1397.4	1375.8	1341.4	1270.5	1180.2
55°	1193.1	1193.1	1193.1	1206.0	1206.0	1206.0	1197.4	1184.5	1152.2	1100.7	1016.9
57.5°	976.0	978.1	991.0	993.2	991.0	995.4	993.2	980.2	958.8	922.3	857.8
60°	793.3	793.3	799.7	806.2	804.0	806.2	806.2	799.7	778.2	748.1	696.6
62.5°	627.7	634.2	629.8	634.2	642.8	634.2	629.8	625.6	610.5	591.2	548.2
65°	475.1	479.4	479.4	481.5	477.2	479.4	470.8	464.4	455.8	434.3	406.3
67.5°	361.2	361.2	361.2	361.2	359.0	356.9	354.7	348.3	333.2	324.7	294.5
70°	277.3	264.4	264.4	264.4	264.4	266.6	260.1	251.6	247.2	232.2	210.7
72.5°	184.8	189.2	184.8	184.8	180.6	182.7	174.1	169.8	165.6	157.0	144.1
75°	133.3	122.6	126.8	129.0	122.6	126.8	118.2	109.6	109.6	103.2	96.7
77.5°	86.0	83.9	86.0	88.1	86.0	83.9	79.5	75.2	75.2	73.1	66.6
80°	62.4	60.2	60.2	60.2	58.0	60.2	55.9	55.9	51.6	49.5	45.1
82.5°	40.9	40.9	38.7	40.9	38.7	40.9	34.4	34.4	34.4	32.2	28.0
85°	28.0	23.6	23.6	25.8	21.5	25.8	23.6	21.5	19.4	19.4	17.2
87.5°	12.9	15.0	12.9	15.0	12.9	12.9	15.0	12.9	12.9	8.6	8.6
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°	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6
2.5°	4381.1	4383.3	4383.3	4391.9	4396.2	4398.3	4398.3	4415.6	4409.1	4413.4	4417.7
5°	4318.8	4331.7	4336.0	4336.0	4359.6	4368.2	4376.8	4396.2	4398.3	4411.2	4426.3
7.5°	4258.6	4273.6	4282.3	4301.6	4316.6	4331.7	4357.5	4370.4	4383.3	4400.5	4419.8
10°	4200.5	4217.8	4235.0	4250.0	4273.6	4293.0	4310.2	4340.3	4355.4	4379.0	4404.8
12.5°	4144.7	4168.3	4183.4	4209.1	4235.0	4252.1	4278.0	4305.9	4329.6	4353.2	4383.3
15°	4095.2	4123.2	4140.4	4168.3	4196.3	4219.9	4247.9	4282.3	4299.5	4327.4	4355.4
17.5°	4041.4	4071.6	4093.1	4118.9	4153.3	4179.0	4202.8	4237.1	4258.6	4288.7	4321.0
20°	3985.6	4015.7	4041.4	4067.3	4101.7	4127.5	4155.4	4189.8	4213.5	4243.5	4269.4
22.5°	3919.0	3946.9	3974.8	4004.9	4039.3	4060.8	4093.1	4123.2	4149.0	4176.9	4202.8
25°	3833.0	3867.4	3888.9	3916.8	3944.7	3968.4	4002.8	4032.9	4054.4	4080.2	4103.8
27.5°	3731.9	3757.8	3774.9	3798.6	3826.5	3848.0	3873.8	3903.9	3925.4	3949.1	3966.2
30°	3559.9	3583.6	3598.7	3615.8	3643.8	3663.2	3684.7	3712.6	3727.6	3744.8	3759.9
32.5°	3334.2	3353.6	3362.2	3375.1	3394.4	3413.7	3431.0	3454.6	3461.1	3471.8	3471.8
35°	3007.5	3011.8	3009.6	3014.0	3022.5	3033.3	3048.3	3063.3	3071.9	3071.9	3065.6
37.5°	2624.8	2599.1	2571.1	2549.6	2543.1	2538.8	2547.5	2553.8	2562.5	2566.8	2556.1
40°	2227.2	2169.1	2106.7	2050.8	2012.1	1995.0	1988.5	1992.8	1992.8	2007.8	2007.8
42.5°	1885.3	1795.0	1702.6	1618.7	1562.8	1519.9	1500.5	1500.5	1502.6	1513.4	1519.9
45°	1601.6	1487.6	1380.1	1287.7	1210.3	1154.4	1128.6	1122.2	1120.0	1124.3	1139.3
47.5°	1384.4	1266.2	1154.4	1040.5	958.8	902.9	879.3	870.6	862.0	870.6	872.8
50°	1214.6	1092.1	973.9	859.9	773.9	724.4	694.3	681.4	679.3	679.3	683.6
52.5°	1059.8	945.9	827.7	711.6	621.3	574.0	546.0	539.6	531.0	539.6	539.6
55°	913.6	799.7	683.6	574.0	498.7	449.3	423.5	414.9	410.6	417.0	417.0
57.5°	754.6	657.8	550.4	451.4	376.2	341.8	322.4	311.7	309.5	313.9	309.5
60°	619.1	537.5	445.0	354.7	296.7	260.1	245.1	240.8	236.4	240.8	240.8
62.5°	490.1	421.4	346.1	277.3	227.8	202.1	184.8	184.8	182.7	182.7	184.8
65°	363.3	309.5	255.8	197.8	159.1	139.7	126.8	126.8	124.7	126.8	124.7
67.5°	264.4	227.8	184.8	144.1	114.0	103.2	94.6	88.1	92.5	88.1	86.0
70°	193.5	163.3	133.3	109.6	88.1	77.4	71.0	68.8	64.5	64.5	64.5
72.5°	129.0	109.6	90.3	71.0	58.0	47.3	45.1	40.9	36.5	38.7	43.0
75°	86.0	73.1	64.5	51.6	38.7	38.7	25.8	25.8	21.5	25.8	19.4
77.5°	60.2	49.5	38.7	32.2	25.8	23.6	17.2	17.2	15.0	15.0	15.0
80°	43.0	36.5	28.0	23.6	17.2	17.2	15.0	12.9	10.7	10.7	12.9
82.5°	25.8	19.4	19.4	17.2	10.7	8.6	6.5	8.6	4.3	4.3	4.3
85°	15.0	12.9	10.7	6.5	4.3	4.3	2.1	0.0	2.1	2.1	0.0
87.5°	8.6	4.3	4.3	2.1	0.0	2.1	2.1	0.0	0.0	0.0	4.3
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°	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6
2.5°	4428.5	4426.3	4430.6	4430.6	4443.5	4441.3	4447.8	4447.8	4443.5	4445.6	4454.2
5°	4443.5	4450.0	4462.8	4473.6	4492.9	4501.6	4512.3	4523.1	4525.2	4531.7	4538.1
7.5°	4443.5	4465.0	4480.1	4499.4	4525.2	4540.2	4563.9	4583.2	4591.8	4602.5	4615.5
10°	4434.9	4456.4	4484.3	4505.8	4538.1	4561.7	4585.4	4615.5	4628.4	4645.5	4662.8
12.5°	4417.7	4441.3	4471.4	4499.4	4535.9	4557.4	4587.5	4615.5	4634.8	4658.5	4677.8
15°	4391.9	4419.8	4447.8	4475.7	4514.4	4540.2	4568.2	4600.4	4619.8	4645.5	4662.8
17.5°	4351.1	4381.1	4407.0	4432.7	4469.3	4499.4	4525.2	4555.3	4574.7	4596.2	4619.8
20°	4301.6	4329.6	4357.5	4379.0	4415.6	4441.3	4469.3	4497.2	4512.3	4516.6	4553.2
22.5°	4239.3	4258.6	4280.1	4314.5	4336.0	4359.6	4385.5	4411.2	4426.3	4450.0	4462.8
25°	4136.0	4155.4	4179.0	4194.1	4219.9	4239.3	4265.1	4293.0	4301.6	4318.8	4331.7
27.5°	3992.1	4002.8	4013.6	4026.4	4041.4	4052.2	4067.3	4080.2	4088.8	4097.4	4106.0
30°	3764.1	3764.1	3764.1	3755.6	3762.0	3768.5	3770.6	3768.5	3768.5	3766.4	3766.4
32.5°	3463.2	3446.0	3426.7	3409.5	3403.0	3394.4	3390.1	3383.7	3372.9	3366.5	3368.6
35°	3056.9	3018.2	2994.6	2973.1	2955.9	2943.0	2936.5	2930.1	2928.0	2919.4	2910.7
37.5°	2549.6	2521.6	2504.5	2491.6	2476.5	2463.6	2465.7	2467.9	2474.3	2470.1	2472.2
40°	2012.1	2005.7	2012.1	1997.1	1992.8	1997.1	2007.8	2022.9	2031.5	2040.1	2055.1
42.5°	1530.6	1541.3	1556.4	1556.4	1562.8	1571.5	1584.3	1608.0	1620.9	1635.9	1653.2
45°	1152.2	1165.2	1184.5	1190.9	1195.3	1206.0	1221.1	1240.4	1249.0	1261.9	1276.9
47.5°	887.9	896.4	907.1	917.9	928.6	933.0	948.0	948.0	958.8	967.4	971.7
50°	692.2	700.8	709.4	715.8	720.2	726.6	730.9	737.3	739.5	743.8	745.9
52.5°	541.7	552.5	552.5	556.7	563.2	569.7	567.5	569.7	571.8	571.8	578.2
55°	423.5	423.5	429.9	429.9	434.3	432.1	434.3	434.3	434.3	434.3	436.4
57.5°	316.0	318.2	324.7	320.3	318.2	322.4	318.2	322.4	320.3	324.7	318.2
60°	242.9	242.9	245.1	245.1	247.2	247.2	247.2	245.1	245.1	242.9	242.9
62.5°	182.7	184.8	187.1	184.8	184.8	184.8	182.7	182.7	180.6	178.4	178.4
65°	122.6	120.4	124.7	120.4	122.6	122.6	120.4	122.6	116.1	118.2	116.1
67.5°	88.1	86.0	83.9	86.0	83.9	81.7	81.7	83.9	86.0	79.5	79.5
70°	58.0	60.2	58.0	60.2	62.4	62.4	60.2	58.0	60.2	55.9	58.0
72.5°	36.5	36.5	36.5	36.5	36.5	38.7	38.7	38.7	34.4	34.4	32.2
75°	17.2	23.6	19.4	17.2	23.6	23.6	21.5	21.5	19.4	19.4	19.4
77.5°	17.2	12.9	12.9	12.9	12.9	12.9	12.9	12.9	10.7	12.9	10.7
80°	8.6	8.6	8.6	6.5	8.6	8.6	10.7	8.6	8.6	6.5	10.7
82.5°	4.3	4.3	4.3	0.0	2.1	4.3	4.3	2.1	4.3	4.3	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: P248861

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6
2.5°	4452.1	4450.0	4452.1	4454.2	4452.1	4450.0	4452.1	4454.2	4445.6	4443.5	4447.8
5°	4546.7	4546.7	4550.9	4553.2	4550.9	4546.7	4546.7	4538.1	4531.7	4525.2	4523.1
7.5°	4628.4	4632.7	4637.0	4639.1	4637.0	4632.7	4628.4	4615.5	4602.5	4591.8	4583.2
10°	4677.8	4684.3	4692.9	4697.1	4692.9	4684.3	4677.8	4662.8	4645.5	4628.4	4615.5
12.5°	4699.3	4705.8	4716.5	4714.4	4716.5	4705.8	4699.3	4677.8	4658.5	4634.8	4615.5
15°	4684.3	4692.9	4703.6	4707.9	4703.6	4692.9	4684.3	4662.8	4645.5	4619.8	4600.4
17.5°	4637.0	4649.9	4656.3	4662.8	4656.3	4649.9	4637.0	4619.8	4596.2	4574.7	4555.3
20°	4572.4	4581.1	4589.7	4591.8	4589.7	4581.1	4572.4	4553.2	4516.6	4512.3	4497.2
22.5°	4480.1	4486.5	4505.8	4499.4	4505.8	4486.5	4480.1	4462.8	4450.0	4426.3	4411.2
25°	4346.7	4353.2	4355.4	4357.5	4355.4	4353.2	4346.7	4331.7	4318.8	4301.6	4293.0
27.5°	4116.8	4116.8	4121.0	4123.2	4121.0	4116.8	4116.8	4106.0	4097.4	4088.8	4080.2
30°	3768.5	3768.5	3768.5	3779.3	3768.5	3768.5	3768.5	3766.4	3766.4	3768.5	3768.5
32.5°	3366.5	3362.2	3357.9	3362.2	3357.9	3362.2	3366.5	3368.6	3366.5	3372.9	3383.7
35°	2910.7	2908.6	2915.0	2906.5	2915.0	2908.6	2910.7	2910.7	2919.4	2928.0	2930.1
37.5°	2474.3	2470.1	2478.6	2470.1	2478.6	2470.1	2474.3	2472.2	2470.1	2474.3	2467.9
40°	2059.5	2063.7	2063.7	2081.0	2063.7	2063.7	2059.5	2055.1	2040.1	2031.5	2022.9
42.5°	1661.7	1674.7	1670.3	1683.2	1670.3	1674.7	1661.7	1653.2	1635.9	1620.9	1608.0
45°	1285.5	1294.2	1294.2	1298.4	1294.2	1294.2	1285.5	1276.9	1261.9	1249.0	1240.4
47.5°	986.7	986.7	986.7	988.9	986.7	986.7	986.7	971.7	967.4	958.8	948.0
50°	750.3	752.4	754.6	756.7	754.6	752.4	750.3	745.9	743.8	739.5	737.3
52.5°	576.1	578.2	574.0	578.2	574.0	578.2	576.1	578.2	571.8	571.8	569.7
55°	436.4	434.3	436.4	438.5	436.4	434.3	436.4	436.4	434.3	434.3	434.3
57.5°	320.3	316.0	316.0	316.0	316.0	316.0	320.3	318.2	324.7	320.3	322.4
60°	238.6	240.8	240.8	242.9	240.8	240.8	238.6	242.9	242.9	245.1	245.1
62.5°	176.3	182.7	178.4	182.7	178.4	182.7	176.3	178.4	178.4	180.6	182.7
65°	114.0	114.0	114.0	116.1	114.0	114.0	114.0	116.1	118.2	116.1	122.6
67.5°	77.4	79.5	83.9	81.7	83.9	79.5	77.4	79.5	79.5	86.0	83.9
70°	62.4	55.9	55.9	62.4	55.9	55.9	62.4	58.0	55.9	60.2	58.0
72.5°	36.5	32.2	36.5	36.5	36.5	32.2	36.5	32.2	34.4	34.4	38.7
75°	19.4	17.2	15.0	21.5	15.0	17.2	19.4	19.4	19.4	19.4	21.5
77.5°	12.9	10.7	15.0	15.0	15.0	10.7	12.9	10.7	12.9	10.7	12.9
80°	6.5	8.6	6.5	10.7	6.5	8.6	6.5	10.7	6.5	8.6	8.6
82.5°	2.1	4.3	4.3	4.3	4.3	4.3	2.1	2.1	4.3	4.3	2.1
85°	0.0	4.3	2.1	2.1	2.1	4.3	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: P248861

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6
2.5°	4447.8	4441.3	4443.5	4430.6	4430.6	4426.3	4428.5	4417.7	4413.4	4409.1	4415.6
5°	4512.3	4501.6	4492.9	4473.6	4462.8	4450.0	4443.5	4426.3	4411.2	4398.3	4396.2
7.5°	4563.9	4540.2	4525.2	4499.4	4480.1	4465.0	4443.5	4419.8	4400.5	4383.3	4370.4
10°	4585.4	4561.7	4538.1	4505.8	4484.3	4456.4	4434.9	4404.8	4379.0	4355.4	4340.3
12.5°	4587.5	4557.4	4535.9	4499.4	4471.4	4441.3	4417.7	4383.3	4353.2	4329.6	4305.9
15°	4568.2	4540.2	4514.4	4475.7	4447.8	4419.8	4391.9	4355.4	4327.4	4299.5	4282.3
17.5°	4525.2	4499.4	4469.3	4432.7	4407.0	4381.1	4351.1	4321.0	4288.7	4258.6	4237.1
20°	4469.3	4441.3	4415.6	4379.0	4357.5	4329.6	4301.6	4269.4	4243.5	4213.5	4189.8
22.5°	4385.5	4359.6	4336.0	4314.5	4280.1	4258.6	4239.3	4202.8	4176.9	4149.0	4123.2
25°	4265.1	4239.3	4219.9	4194.1	4179.0	4155.4	4136.0	4103.8	4080.2	4054.4	4032.9
27.5°	4067.3	4052.2	4041.4	4026.4	4013.6	4002.8	3992.1	3966.2	3949.1	3925.4	3903.9
30°	3770.6	3768.5	3762.0	3755.6	3764.1	3764.1	3764.1	3759.9	3744.8	3727.6	3712.6
32.5°	3390.1	3394.4	3403.0	3409.5	3426.7	3446.0	3463.2	3471.8	3471.8	3461.1	3454.6
35°	2936.5	2943.0	2955.9	2973.1	2994.6	3018.2	3056.9	3065.6	3071.9	3071.9	3063.3
37.5°	2465.7	2463.6	2476.5	2491.6	2504.5	2521.6	2549.6	2556.1	2566.8	2562.5	2553.8
40°	2007.8	1997.1	1992.8	1997.1	2012.1	2005.7	2012.1	2007.8	2007.8	1992.8	1992.8
42.5°	1584.3	1571.5	1562.8	1556.4	1556.4	1541.3	1530.6	1519.9	1513.4	1502.6	1500.5
45°	1221.1	1206.0	1195.3	1190.9	1184.5	1165.2	1152.2	1139.3	1124.3	1120.0	1122.2
47.5°	948.0	933.0	928.6	917.9	907.1	896.4	887.9	872.8	870.6	862.0	870.6
50°	730.9	726.6	720.2	715.8	709.4	700.8	692.2	683.6	679.3	679.3	681.4
52.5°	567.5	569.7	563.2	556.7	552.5	552.5	541.7	539.6	539.6	531.0	539.6
55°	434.3	432.1	434.3	429.9	429.9	423.5	423.5	417.0	417.0	410.6	414.9
57.5°	318.2	322.4	318.2	320.3	324.7	318.2	316.0	309.5	313.9	309.5	311.7
60°	247.2	247.2	247.2	245.1	245.1	242.9	242.9	240.8	240.8	236.4	240.8
62.5°	182.7	184.8	184.8	184.8	187.1	184.8	182.7	184.8	182.7	182.7	184.8
65°	120.4	122.6	122.6	120.4	124.7	120.4	122.6	124.7	126.8	124.7	126.8
67.5°	81.7	81.7	83.9	86.0	83.9	86.0	88.1	86.0	88.1	92.5	88.1
70°	60.2	62.4	62.4	60.2	58.0	60.2	58.0	64.5	64.5	64.5	68.8
72.5°	38.7	38.7	36.5	36.5	36.5	36.5	36.5	43.0	38.7	36.5	40.9
75°	21.5	23.6	23.6	17.2	19.4	23.6	17.2	19.4	25.8	21.5	25.8
77.5°	12.9	12.9	12.9	12.9	12.9	12.9	17.2	15.0	15.0	15.0	17.2
80°	10.7	8.6	8.6	6.5	8.6	8.6	8.6	12.9	10.7	10.7	12.9
82.5°	4.3	4.3	2.1	0.0	4.3	4.3	4.3	4.3	4.3	4.3	8.6
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	4.3	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: P248861

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6
2.5°	4398.3	4398.3	4396.2	4391.9	4383.3	4383.3	4381.1	4374.7	4370.4	4368.2	4368.2
5°	4376.8	4368.2	4359.6	4336.0	4336.0	4331.7	4318.8	4310.2	4305.9	4295.1	4290.9
7.5°	4357.5	4331.7	4316.6	4301.6	4282.3	4273.6	4258.6	4252.1	4237.1	4226.4	4219.9
10°	4310.2	4293.0	4273.6	4250.0	4235.0	4217.8	4200.5	4187.7	4168.3	4157.5	4149.0
12.5°	4278.0	4252.1	4235.0	4209.1	4183.4	4168.3	4144.7	4129.7	4110.3	4088.8	4075.9
15°	4247.9	4219.9	4196.3	4168.3	4140.4	4123.2	4095.2	4078.1	4050.1	4028.6	4013.6
17.5°	4202.8	4179.0	4153.3	4118.9	4093.1	4071.6	4041.4	4020.0	3994.2	3966.2	3951.2
20°	4155.4	4127.5	4101.7	4067.3	4041.4	4015.7	3985.6	3962.0	3931.8	3906.1	3888.9
22.5°	4093.1	4060.8	4039.3	4004.9	3974.8	3946.9	3919.0	3891.0	3863.1	3841.6	3822.2
25°	4002.8	3968.4	3944.7	3916.8	3888.9	3867.4	3833.0	3815.8	3787.9	3768.5	3749.1
27.5°	3873.8	3848.0	3826.5	3798.6	3774.9	3757.8	3731.9	3714.8	3691.1	3673.9	3658.8
30°	3684.7	3663.2	3643.8	3615.8	3598.7	3583.6	3559.9	3544.9	3527.7	3508.3	3504.1
32.5°	3431.0	3413.7	3394.4	3375.1	3362.2	3353.6	3334.2	3325.6	3308.4	3297.6	3286.9
35°	3048.3	3033.3	3022.5	3014.0	3009.6	3011.8	3007.5	3016.1	3020.3	3018.2	3020.3
37.5°	2547.5	2538.8	2543.1	2549.6	2571.1	2599.1	2624.8	2663.5	2689.3	2715.2	2738.8
40°	1988.5	1995.0	2012.1	2050.8	2106.7	2169.1	2227.2	2300.2	2373.3	2424.9	2472.2
42.5°	1500.5	1519.9	1562.8	1618.7	1702.6	1795.0	1885.3	1992.8	2081.0	2166.9	2227.2
45°	1128.6	1154.4	1210.3	1287.7	1380.1	1487.6	1601.6	1721.9	1827.3	1915.4	1982.1
47.5°	879.3	902.9	958.8	1040.5	1154.4	1266.2	1384.4	1509.1	1618.7	1704.7	1762.8
50°	694.3	724.4	773.9	859.9	973.9	1092.1	1214.6	1337.1	1440.4	1513.4	1565.0
52.5°	546.0	574.0	621.3	711.6	827.7	945.9	1059.8	1180.2	1270.5	1341.4	1375.8
55°	423.5	449.3	498.7	574.0	683.6	799.7	913.6	1016.9	1100.7	1152.2	1184.5
57.5°	322.4	341.8	376.2	451.4	550.4	657.8	754.6	857.8	922.3	958.8	980.2
60°	245.1	260.1	296.7	354.7	445.0	537.5	619.1	696.6	748.1	778.2	799.7
62.5°	184.8	202.1	227.8	277.3	346.1	421.4	490.1	548.2	591.2	610.5	625.6
65°	126.8	139.7	159.1	197.8	255.8	309.5	363.3	406.3	434.3	455.8	464.4
67.5°	94.6	103.2	114.0	144.1	184.8	227.8	264.4	294.5	324.7	333.2	348.3
70°	71.0	77.4	88.1	109.6	133.3	163.3	193.5	210.7	232.2	247.2	251.6
72.5°	45.1	47.3	58.0	71.0	90.3	109.6	129.0	144.1	157.0	165.6	169.8
75°	25.8	38.7	38.7	51.6	64.5	73.1	86.0	96.7	103.2	109.6	109.6
77.5°	17.2	23.6	25.8	32.2	38.7	49.5	60.2	66.6	73.1	75.2	75.2
80°	15.0	17.2	17.2	23.6	28.0	36.5	43.0	45.1	49.5	51.6	55.9
82.5°	6.5	8.6	10.7	17.2	19.4	19.4	25.8	28.0	32.2	34.4	34.4
85°	2.1	4.3	4.3	6.5	10.7	12.9	15.0	17.2	19.4	19.4	21.5
87.5°	2.1	2.1	0.0	2.1	4.3	4.3	8.6	8.6	8.6	12.9	12.9
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: P248861

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6	4402.6
2.5°	4364.0	4366.1	4357.5	4355.4	4351.1	4353.2	4357.5
5°	4284.4	4286.6	4278.0	4269.4	4269.4	4267.2	4269.4
7.5°	4209.1	4211.3	4198.4	4194.1	4185.5	4187.7	4187.7
10°	4133.9	4133.9	4114.6	4112.4	4106.0	4103.8	4103.8
12.5°	4060.8	4054.4	4039.3	4030.7	4035.1	4022.2	4022.2
15°	3996.3	3985.6	3966.2	3959.8	3949.1	3944.7	3944.7
17.5°	3929.7	3921.1	3903.9	3891.0	3878.1	3876.0	3878.1
20°	3865.2	3856.6	3835.1	3826.5	3815.8	3815.8	3811.5
22.5°	3800.7	3792.1	3772.8	3766.4	3751.3	3751.3	3753.4
25°	3734.1	3727.6	3706.1	3701.8	3699.7	3691.1	3695.4
27.5°	3643.8	3639.5	3622.3	3615.8	3607.3	3605.1	3609.4
30°	3478.2	3471.8	3459.0	3452.5	3437.5	3439.6	3443.8
32.5°	3271.9	3263.3	3246.1	3239.6	3226.8	3222.4	3224.6
35°	3014.0	3007.5	2992.5	2992.5	2979.5	2975.2	2979.5
37.5°	2751.7	2758.1	2751.7	2758.1	2751.7	2749.5	2751.7
40°	2504.5	2528.1	2532.3	2556.1	2547.5	2560.3	2558.2
42.5°	2268.0	2306.6	2321.7	2341.0	2336.8	2345.4	2351.8
45°	2029.3	2061.6	2076.6	2089.6	2091.7	2096.0	2098.1
47.5°	1803.6	1829.4	1831.5	1846.6	1844.5	1844.5	1850.9
50°	1593.0	1610.2	1614.4	1625.2	1616.6	1612.3	1614.4
52.5°	1397.4	1414.5	1410.2	1414.5	1403.8	1399.5	1401.6
55°	1197.4	1206.0	1206.0	1206.0	1193.1	1193.1	1193.1
57.5°	993.2	995.4	991.0	993.2	991.0	978.1	976.0
60°	806.2	806.2	804.0	806.2	799.7	793.3	793.3
62.5°	629.8	634.2	642.8	634.2	629.8	634.2	627.7
65°	470.8	479.4	477.2	481.5	479.4	479.4	475.1
67.5°	354.7	356.9	359.0	361.2	361.2	361.2	361.2
70°	260.1	266.6	264.4	264.4	264.4	264.4	277.3
72.5°	174.1	182.7	180.6	184.8	184.8	189.2	184.8
75°	118.2	126.8	122.6	129.0	126.8	122.6	133.3
77.5°	79.5	83.9	86.0	88.1	86.0	83.9	86.0
80°	55.9	60.2	58.0	60.2	60.2	60.2	62.4
82.5°	34.4	40.9	38.7	40.9	38.7	40.9	40.9
85°	23.6	25.8	21.5	25.8	23.6	23.6	28.0
87.5°	15.0	12.9	12.9	15.0	12.9	15.0	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)