

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: P248607

Luminaire Tested: **LD8B80D010 ER8B80935 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248607
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: LD8B80D010 ER8B80935 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7138.0 lumens
Efficiency: N/A
Efficacy: 95.9 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

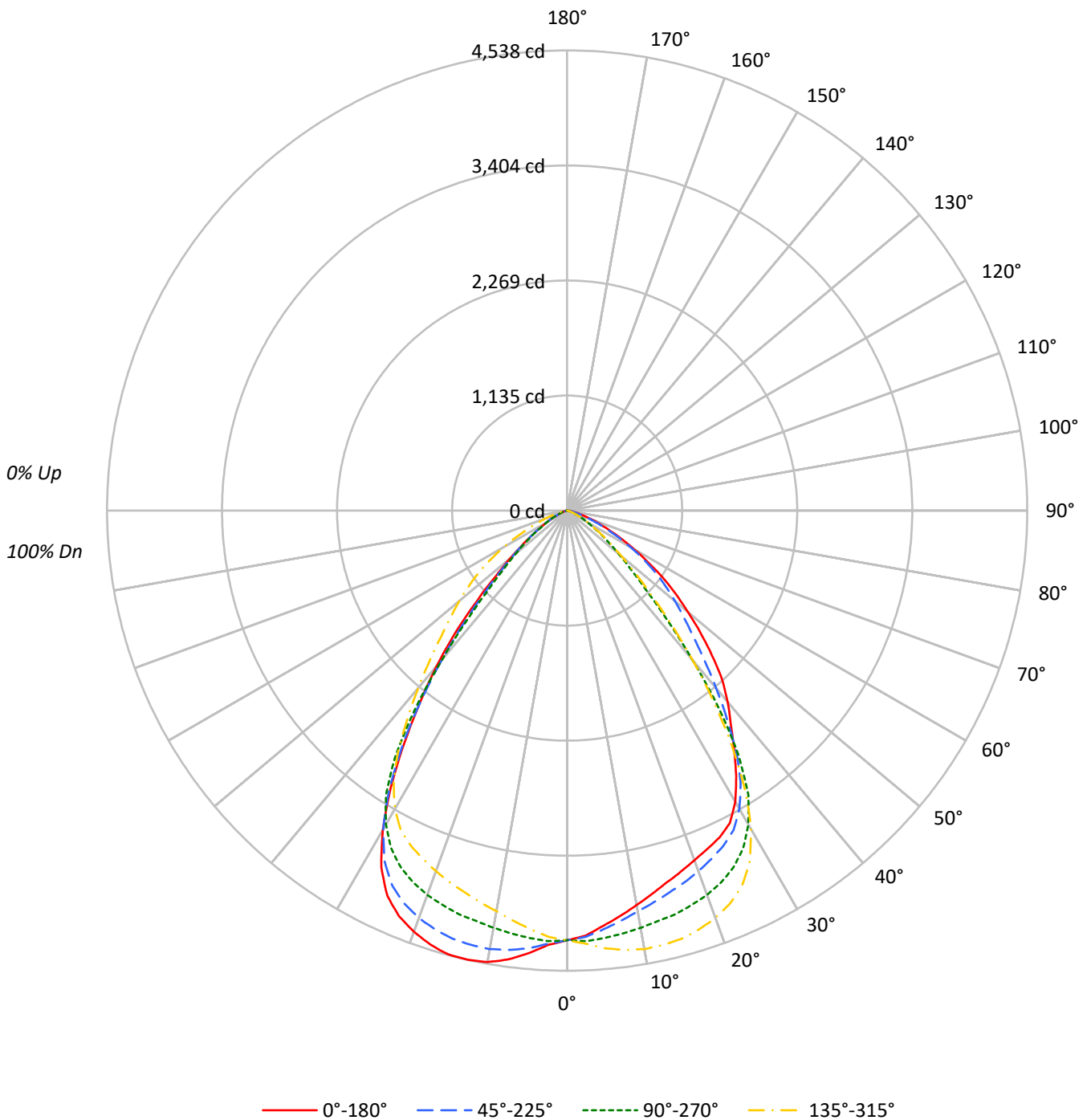
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	130672	130672	130672	130672
5°	127200	130979	135656	130979
10°	123682	130809	141562	130809
15°	121213	131585	144661	131585
20°	120386	132338	145034	132338
25°	121020	132071	142704	132071
30°	118026	127237	129523	127237
35°	107960	110994	105310	110994
40°	99117	77211	80629	77211
45°	88069	47102	54503	47102
50°	74545	31465	34943	31465
55°	61740	21472	22693	21472
60°	47087	14290	14419	14290
65°	33367	8902	8150	8902
70°	24064	5969	5410	5969
75°	15286	2967	2466	2967
80°	10655	2202	1829	2202
85°	9517	0	708	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.3	5.7
10°-20°	1168.0	16.4
20°-30°	1768.6	24.8
30°-40°	1772.6	24.8
40°-50°	1113.1	15.6
50°-60°	593.2	8.3
60°-70°	243.9	3.4
70°-80°	64.4	0.9
80°-90°	10.9	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°	3339.9	46.8
0°-40°	5112.5	71.6
0°-60°	6818.7	95.5
0°-90°	7138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7138.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4238	4238	4238	4238	4238	
5°	4109	4231	4382	4231	4109	388
15°	3797	4122	4531	4122	3797	1074
25°	3557	3882	4194	3882	3557	1631
35°	2868	2948	2798	2948	2868	1797
45°	2020	1080	1250	1080	2020	1553
55°	1148	399	422	399	1148	1024
65°	457	122	112	122	457	474
75°	128	25	21	25	128	145
85°	27	0	2	0	27	30
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°	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6
2.5°	4194.2	4190.0	4188.0	4192.1	4194.2	4202.4	4200.4	4204.5	4204.5	4206.6	4210.7
5°	4109.3	4107.2	4109.3	4109.3	4117.6	4125.9	4123.8	4130.0	4134.1	4144.5	4148.6
7.5°	4030.7	4030.7	4028.6	4036.9	4041.0	4053.5	4051.3	4061.7	4068.0	4078.3	4092.7
10°	3950.0	3950.0	3952.0	3958.3	3960.4	3979.0	3979.0	3993.4	4001.7	4012.1	4030.7
12.5°	3871.4	3871.4	3883.8	3879.6	3887.9	3902.4	3908.6	3923.1	3935.5	3956.2	3974.9
15°	3796.9	3796.9	3801.0	3811.3	3817.6	3836.2	3846.5	3863.1	3877.6	3898.3	3925.2
17.5°	3732.7	3730.7	3732.7	3745.2	3757.6	3774.1	3782.4	3803.1	3817.6	3844.5	3869.3
20°	3668.6	3672.8	3672.8	3683.1	3691.3	3712.0	3720.3	3743.1	3759.6	3784.4	3813.5
22.5°	3612.7	3610.7	3610.7	3625.2	3631.4	3649.9	3658.2	3678.9	3697.6	3718.3	3745.2
25°	3556.9	3552.7	3561.0	3563.1	3567.2	3587.9	3594.1	3608.6	3627.2	3645.9	3672.8
27.5°	3474.1	3470.0	3472.0	3480.3	3486.5	3503.0	3507.2	3521.7	3536.2	3552.7	3575.5
30°	3314.7	3310.6	3308.6	3323.1	3329.3	3341.6	3347.9	3372.7	3376.8	3395.5	3412.0
32.5°	3103.7	3101.6	3105.8	3118.2	3124.4	3141.0	3149.2	3163.7	3174.0	3184.4	3200.9
35°	2867.9	2863.7	2867.9	2880.3	2880.3	2894.8	2901.0	2907.1	2905.1	2907.1	2903.0
37.5°	2648.5	2646.4	2648.5	2654.7	2648.5	2654.7	2648.5	2636.1	2613.4	2588.5	2563.6
40°	2462.3	2464.3	2452.0	2460.2	2437.4	2433.3	2410.6	2379.5	2334.0	2284.4	2214.0
42.5°	2263.7	2257.5	2249.2	2253.3	2234.7	2220.2	2182.9	2143.7	2085.7	2003.0	1918.1
45°	2019.5	2017.5	2013.3	2011.2	1998.8	1984.3	1953.2	1907.8	1843.6	1758.8	1657.4
47.5°	1781.5	1775.3	1775.3	1777.4	1762.9	1760.8	1736.0	1696.7	1640.8	1558.1	1452.5
50°	1553.9	1551.8	1556.0	1564.3	1553.9	1549.8	1533.3	1506.4	1456.7	1386.4	1287.0
52.5°	1349.1	1347.0	1351.2	1361.5	1357.3	1361.5	1345.0	1324.3	1291.1	1222.8	1136.0
55°	1148.4	1148.4	1148.4	1160.8	1160.8	1160.8	1152.5	1140.1	1109.1	1059.4	978.7
57.5°	939.4	941.4	953.9	955.9	953.9	958.1	955.9	943.5	922.9	887.7	825.6
60°	763.5	763.5	769.7	776.0	773.8	776.0	776.0	769.7	749.1	720.1	670.4
62.5°	604.2	610.4	606.2	610.4	618.7	610.4	606.2	602.1	587.7	569.0	527.6
65°	457.3	461.4	461.4	463.5	459.3	461.4	453.2	447.0	438.7	418.0	391.1
67.5°	347.7	347.7	347.7	347.7	345.5	343.5	341.4	335.2	320.7	312.5	283.4
70°	266.9	254.5	254.5	254.5	254.5	256.6	250.4	242.1	238.0	223.5	202.8
72.5°	177.9	182.1	177.9	177.9	173.8	175.9	167.6	163.4	159.3	151.1	138.7
75°	128.3	118.0	122.0	124.2	118.0	122.0	113.8	105.5	105.5	99.3	93.1
77.5°	82.8	80.7	82.8	84.8	82.8	80.7	76.6	72.4	72.4	70.3	64.1
80°	60.0	57.9	57.9	57.9	55.9	57.9	53.8	53.8	49.7	47.6	43.4
82.5°	39.3	39.3	37.2	39.3	37.2	39.3	33.1	33.1	33.1	31.0	26.9
85°	26.9	22.7	22.7	24.9	20.7	24.9	22.7	20.7	18.7	18.7	16.5
87.5°	12.4	14.5	12.4	14.5	12.4	12.4	14.5	12.4	12.4	8.3	8.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6
2.5°	4216.9	4219.0	4219.0	4227.3	4231.4	4233.4	4233.4	4250.0	4243.8	4248.0	4252.1
5°	4157.0	4169.3	4173.5	4173.5	4196.2	4204.5	4212.7	4231.4	4233.4	4245.9	4260.3
7.5°	4099.0	4113.4	4121.8	4140.3	4154.8	4169.3	4194.2	4206.6	4219.0	4235.6	4254.1
10°	4043.1	4059.7	4076.2	4090.7	4113.4	4132.1	4148.6	4177.6	4192.1	4214.9	4239.6
12.5°	3989.3	4012.1	4026.6	4051.3	4076.2	4092.7	4117.6	4144.5	4167.3	4190.0	4219.0
15°	3941.7	3968.6	3985.2	4012.1	4039.0	4061.7	4088.6	4121.8	4138.3	4165.2	4192.1
17.5°	3889.9	3919.0	3939.7	3964.5	3997.6	4022.4	4045.2	4078.3	4099.0	4127.9	4159.0
20°	3836.2	3865.2	3889.9	3914.8	3947.9	3972.7	3999.6	4032.8	4055.5	4084.5	4109.3
22.5°	3772.1	3799.0	3825.8	3854.8	3887.9	3908.6	3939.7	3968.6	3993.4	4020.3	4045.2
25°	3689.3	3722.4	3743.1	3769.9	3796.9	3819.6	3852.7	3881.7	3902.4	3927.3	3950.0
27.5°	3592.0	3616.9	3633.4	3656.2	3683.1	3703.8	3728.6	3757.6	3778.3	3801.0	3817.6
30°	3426.5	3449.3	3463.8	3480.3	3507.2	3525.9	3546.6	3573.4	3587.9	3604.5	3618.9
32.5°	3209.2	3227.9	3236.1	3248.6	3267.2	3285.8	3302.4	3325.1	3331.3	3341.6	3341.6
35°	2894.8	2898.9	2896.8	2901.0	2909.2	2919.5	2934.0	2948.5	2956.8	2956.8	2950.6
37.5°	2526.4	2501.6	2474.7	2454.0	2447.8	2443.6	2452.0	2458.1	2466.5	2470.5	2460.2
40°	2143.7	2087.8	2027.8	1973.9	1936.7	1920.2	1914.0	1918.1	1918.1	1932.5	1932.5
42.5°	1814.7	1727.7	1638.8	1558.1	1504.2	1462.9	1444.3	1444.3	1446.3	1456.7	1462.9
45°	1541.5	1431.8	1328.4	1239.4	1164.9	1111.1	1086.3	1080.1	1078.1	1082.1	1096.6
47.5°	1332.5	1218.7	1111.1	1001.5	922.9	869.1	846.3	838.0	829.7	838.0	840.1
50°	1169.1	1051.1	937.4	827.7	744.9	697.3	668.3	655.9	653.8	653.8	658.0
52.5°	1020.1	910.4	796.7	684.9	598.0	552.5	525.6	519.4	511.1	519.4	519.4
55°	879.4	769.7	658.0	552.5	480.0	432.5	407.6	399.4	395.2	401.4	401.4
57.5°	726.3	633.1	529.7	434.5	362.1	329.0	310.4	300.0	297.9	302.1	297.9
60°	595.9	517.3	428.3	341.4	285.6	250.4	235.9	231.7	227.6	231.7	231.7
62.5°	471.7	405.6	333.1	266.9	219.3	194.5	177.9	177.9	175.9	175.9	177.9
65°	349.7	297.9	246.2	190.3	153.1	134.5	122.0	122.0	120.0	122.0	120.0
67.5°	254.5	219.3	177.9	138.7	109.7	99.3	91.0	84.8	89.0	84.8	82.8
70°	186.3	157.2	128.3	105.5	84.8	74.5	68.3	66.2	62.1	62.1	62.1
72.5°	124.2	105.5	86.9	68.3	55.9	45.5	43.4	39.3	35.2	37.2	41.4
75°	82.8	70.3	62.1	49.7	37.2	37.2	24.9	24.9	20.7	24.9	18.7
77.5°	57.9	47.6	37.2	31.0	24.9	22.7	16.5	16.5	14.5	14.5	14.5
80°	41.4	35.2	26.9	22.7	16.5	16.5	14.5	12.4	10.3	10.3	12.4
82.5°	24.9	18.7	18.7	16.5	10.3	8.3	6.2	8.3	4.2	4.2	4.2
85°	14.5	12.4	10.3	6.2	4.2	4.2	2.0	0.0	2.0	2.0	0.0
87.5°	8.3	4.2	4.2	2.0	0.0	2.0	2.0	0.0	0.0	0.0	4.2
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°	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6
2.5°	4262.5	4260.3	4264.5	4264.5	4277.0	4274.8	4281.0	4281.0	4277.0	4279.0	4287.3
5°	4277.0	4283.2	4295.5	4305.9	4324.5	4332.8	4343.1	4353.5	4355.6	4361.8	4368.0
7.5°	4277.0	4297.6	4312.1	4330.7	4355.6	4370.0	4392.8	4411.4	4419.7	4430.0	4442.4
10°	4268.6	4289.3	4316.2	4336.9	4368.0	4390.7	4413.5	4442.4	4454.9	4471.4	4488.0
12.5°	4252.1	4274.8	4303.8	4330.7	4365.9	4386.6	4415.5	4442.4	4461.1	4483.8	4502.5
15°	4227.3	4254.1	4281.0	4308.0	4345.2	4370.0	4397.0	4428.0	4446.6	4471.4	4488.0
17.5°	4188.0	4216.9	4241.8	4266.6	4301.7	4330.7	4355.6	4384.5	4403.2	4423.9	4446.6
20°	4140.3	4167.3	4194.2	4214.9	4250.0	4274.8	4301.7	4328.6	4343.1	4347.3	4382.5
22.5°	4080.4	4099.0	4119.6	4152.8	4173.5	4196.2	4221.1	4245.9	4260.3	4283.2	4295.5
25°	3981.0	3999.6	4022.4	4036.9	4061.7	4080.4	4105.2	4132.1	4140.3	4157.0	4169.3
27.5°	3842.4	3852.7	3863.1	3875.5	3889.9	3900.3	3914.8	3927.3	3935.5	3943.8	3952.0
30°	3623.0	3623.0	3623.0	3614.8	3621.0	3627.2	3629.3	3627.2	3627.2	3625.2	3625.2
32.5°	3333.4	3316.9	3298.2	3281.7	3275.5	3267.2	3263.0	3256.8	3246.5	3240.3	3242.3
35°	2942.3	2905.1	2882.3	2861.6	2845.1	2832.7	2826.5	2820.2	2818.2	2809.9	2801.6
37.5°	2454.0	2427.1	2410.6	2398.2	2383.7	2371.2	2373.3	2375.4	2381.5	2377.5	2379.5
40°	1936.7	1930.5	1936.7	1922.2	1918.1	1922.2	1932.5	1947.1	1955.4	1963.6	1978.1
42.5°	1473.2	1483.5	1498.1	1498.1	1504.2	1512.6	1524.9	1547.8	1560.1	1574.6	1591.2
45°	1109.1	1121.5	1140.1	1146.3	1150.4	1160.8	1175.3	1193.9	1202.1	1214.6	1229.1
47.5°	854.6	862.8	873.1	883.5	893.8	898.0	912.5	912.5	922.9	931.1	935.2
50°	666.3	674.5	682.8	689.0	693.2	699.4	703.5	709.7	711.7	715.9	718.0
52.5°	521.4	531.8	531.8	535.9	542.1	548.3	546.3	548.3	550.4	550.4	556.6
55°	407.6	407.6	413.8	413.8	418.0	415.9	418.0	418.0	418.0	418.0	420.0
57.5°	304.1	306.3	312.5	308.3	306.3	310.4	306.3	310.4	308.3	312.5	306.3
60°	233.8	233.8	235.9	235.9	238.0	238.0	238.0	235.9	235.9	233.8	233.8
62.5°	175.9	177.9	180.0	177.9	177.9	177.9	175.9	175.9	173.8	171.7	171.7
65°	118.0	115.9	120.0	115.9	118.0	118.0	115.9	118.0	111.7	113.8	111.7
67.5°	84.8	82.8	80.7	82.8	80.7	78.6	78.6	80.7	82.8	76.6	76.6
70°	55.9	57.9	55.9	57.9	60.0	60.0	57.9	55.9	57.9	53.8	55.9
72.5°	35.2	35.2	35.2	35.2	35.2	37.2	37.2	37.2	33.1	33.1	31.0
75°	16.5	22.7	18.7	16.5	22.7	22.7	20.7	20.7	18.7	18.7	18.7
77.5°	16.5	12.4	12.4	12.4	12.4	12.4	12.4	12.4	10.3	12.4	10.3
80°	8.3	8.3	8.3	6.2	8.3	8.3	10.3	8.3	8.3	6.2	10.3
82.5°	4.2	4.2	4.2	0.0	2.0	4.2	4.2	2.0	4.2	4.2	2.0
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: P248607

CATALOG NUMBER: LD8B80D010 ER8B80935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6
2.5°	4285.2	4283.2	4285.2	4287.3	4285.2	4283.2	4285.2	4287.3	4279.0	4277.0	4281.0
5°	4376.3	4376.3	4380.3	4382.5	4380.3	4376.3	4376.3	4368.0	4361.8	4355.6	4353.5
7.5°	4454.9	4459.0	4463.1	4465.2	4463.1	4459.0	4454.9	4442.4	4430.0	4419.7	4411.4
10°	4502.5	4508.7	4517.0	4521.0	4517.0	4508.7	4502.5	4488.0	4471.4	4454.9	4442.4
12.5°	4523.2	4529.4	4539.7	4537.7	4539.7	4529.4	4523.2	4502.5	4483.8	4461.1	4442.4
15°	4508.7	4517.0	4527.3	4531.4	4527.3	4517.0	4508.7	4488.0	4471.4	4446.6	4428.0
17.5°	4463.1	4475.6	4481.8	4488.0	4481.8	4475.6	4463.1	4446.6	4423.9	4403.2	4384.5
20°	4401.0	4409.4	4417.6	4419.7	4417.6	4409.4	4401.0	4382.5	4347.3	4343.1	4328.6
22.5°	4312.1	4318.3	4336.9	4330.7	4336.9	4318.3	4312.1	4295.5	4283.2	4260.3	4245.9
25°	4183.8	4190.0	4192.1	4194.2	4192.1	4190.0	4183.8	4169.3	4157.0	4140.3	4132.1
27.5°	3962.4	3962.4	3966.5	3968.6	3966.5	3962.4	3962.4	3952.0	3943.8	3935.5	3927.3
30°	3627.2	3627.2	3627.2	3637.6	3627.2	3627.2	3627.2	3625.2	3625.2	3627.2	3627.2
32.5°	3240.3	3236.1	3232.0	3236.1	3232.0	3236.1	3240.3	3242.3	3240.3	3246.5	3256.8
35°	2801.6	2799.5	2805.8	2797.5	2805.8	2799.5	2801.6	2801.6	2809.9	2818.2	2820.2
37.5°	2381.5	2377.5	2385.7	2377.5	2385.7	2377.5	2381.5	2379.5	2377.5	2381.5	2375.4
40°	1982.3	1986.4	1986.4	2003.0	1986.4	1986.4	1982.3	1978.1	1963.6	1955.4	1947.1
42.5°	1599.4	1611.9	1607.7	1620.1	1607.7	1611.9	1599.4	1591.2	1574.6	1560.1	1547.8
45°	1237.3	1245.7	1245.7	1249.8	1245.7	1245.7	1237.3	1229.1	1214.6	1202.1	1193.9
47.5°	949.7	949.7	949.7	951.8	949.7	949.7	949.7	935.2	931.1	922.9	912.5
50°	722.1	724.2	726.3	728.4	726.3	724.2	722.1	718.0	715.9	711.7	709.7
52.5°	554.5	556.6	552.5	556.6	552.5	556.6	554.5	556.6	550.4	550.4	548.3
55°	420.0	418.0	420.0	422.1	420.0	418.0	420.0	420.0	418.0	418.0	418.0
57.5°	308.3	304.1	304.1	304.1	304.1	304.1	308.3	306.3	312.5	308.3	310.4
60°	229.7	231.7	231.7	233.8	231.7	231.7	229.7	233.8	233.8	235.9	235.9
62.5°	169.7	175.9	171.7	175.9	171.7	175.9	169.7	171.7	171.7	173.8	175.9
65°	109.7	109.7	109.7	111.7	109.7	109.7	109.7	111.7	113.8	111.7	118.0
67.5°	74.5	76.6	80.7	78.6	80.7	76.6	74.5	76.6	76.6	82.8	80.7
70°	60.0	53.8	53.8	60.0	53.8	53.8	60.0	55.9	53.8	57.9	55.9
72.5°	35.2	31.0	35.2	35.2	35.2	31.0	35.2	31.0	33.1	33.1	37.2
75°	18.7	16.5	14.5	20.7	14.5	16.5	18.7	18.7	18.7	18.7	20.7
77.5°	12.4	10.3	14.5	14.5	14.5	10.3	12.4	10.3	12.4	10.3	12.4
80°	6.2	8.3	6.2	10.3	6.2	8.3	6.2	10.3	6.2	8.3	8.3
82.5°	2.0	4.2	4.2	4.2	4.2	4.2	2.0	2.0	4.2	4.2	2.0
85°	0.0	4.2	2.0	2.0	2.0	4.2	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.0	0.0	2.0	0.0	0.0	2.0	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: P248607

CATALOG NUMBER: LD8B80D010 ER8B80935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6
2.5°	4281.0	4274.8	4277.0	4264.5	4264.5	4260.3	4262.5	4252.1	4248.0	4243.8	4250.0
5°	4343.1	4332.8	4324.5	4305.9	4295.5	4283.2	4277.0	4260.3	4245.9	4233.4	4231.4
7.5°	4392.8	4370.0	4355.6	4330.7	4312.1	4297.6	4277.0	4254.1	4235.6	4219.0	4206.6
10°	4413.5	4390.7	4368.0	4336.9	4316.2	4289.3	4268.6	4239.6	4214.9	4192.1	4177.6
12.5°	4415.5	4386.6	4365.9	4330.7	4303.8	4274.8	4252.1	4219.0	4190.0	4167.3	4144.5
15°	4397.0	4370.0	4345.2	4308.0	4281.0	4254.1	4227.3	4192.1	4165.2	4138.3	4121.8
17.5°	4355.6	4330.7	4301.7	4266.6	4241.8	4216.9	4188.0	4159.0	4127.9	4099.0	4078.3
20°	4301.7	4274.8	4250.0	4214.9	4194.2	4167.3	4140.3	4109.3	4084.5	4055.5	4032.8
22.5°	4221.1	4196.2	4173.5	4152.8	4119.6	4099.0	4080.4	4045.2	4020.3	3993.4	3968.6
25°	4105.2	4080.4	4061.7	4036.9	4022.4	3999.6	3981.0	3950.0	3927.3	3902.4	3881.7
27.5°	3914.8	3900.3	3889.9	3875.5	3863.1	3852.7	3842.4	3817.6	3801.0	3778.3	3757.6
30°	3629.3	3627.2	3621.0	3614.8	3623.0	3623.0	3623.0	3618.9	3604.5	3587.9	3573.4
32.5°	3263.0	3267.2	3275.5	3281.7	3298.2	3316.9	3333.4	3341.6	3341.6	3331.3	3325.1
35°	2826.5	2832.7	2845.1	2861.6	2882.3	2905.1	2942.3	2950.6	2956.8	2956.8	2948.5
37.5°	2373.3	2371.2	2383.7	2398.2	2410.6	2427.1	2454.0	2460.2	2470.5	2466.5	2458.1
40°	1932.5	1922.2	1918.1	1922.2	1936.7	1930.5	1936.7	1932.5	1932.5	1918.1	1918.1
42.5°	1524.9	1512.6	1504.2	1498.1	1498.1	1483.5	1473.2	1462.9	1456.7	1446.3	1444.3
45°	1175.3	1160.8	1150.4	1146.3	1140.1	1121.5	1109.1	1096.6	1082.1	1078.1	1080.1
47.5°	912.5	898.0	893.8	883.5	873.1	862.8	854.6	840.1	838.0	829.7	838.0
50°	703.5	699.4	693.2	689.0	682.8	674.5	666.3	658.0	653.8	653.8	655.9
52.5°	546.3	548.3	542.1	535.9	531.8	531.8	521.4	519.4	519.4	511.1	519.4
55°	418.0	415.9	418.0	413.8	413.8	407.6	407.6	401.4	401.4	395.2	399.4
57.5°	306.3	310.4	306.3	308.3	312.5	306.3	304.1	297.9	302.1	297.9	300.0
60°	238.0	238.0	238.0	235.9	235.9	233.8	233.8	231.7	231.7	227.6	231.7
62.5°	175.9	177.9	177.9	177.9	180.0	177.9	175.9	177.9	175.9	175.9	177.9
65°	115.9	118.0	118.0	115.9	120.0	115.9	118.0	120.0	122.0	120.0	122.0
67.5°	78.6	78.6	80.7	82.8	80.7	82.8	84.8	82.8	84.8	89.0	84.8
70°	57.9	60.0	60.0	57.9	55.9	57.9	55.9	62.1	62.1	62.1	66.2
72.5°	37.2	37.2	35.2	35.2	35.2	35.2	35.2	41.4	37.2	35.2	39.3
75°	20.7	22.7	22.7	16.5	18.7	22.7	16.5	18.7	24.9	20.7	24.9
77.5°	12.4	12.4	12.4	12.4	12.4	12.4	16.5	14.5	14.5	14.5	16.5
80°	10.3	8.3	8.3	6.2	8.3	8.3	8.3	12.4	10.3	10.3	12.4
82.5°	4.2	4.2	2.0	0.0	4.2	4.2	4.2	4.2	4.2	4.2	8.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	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: P248607

CATALOG NUMBER: LD8B80D010 ER8B80935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6
2.5°	4233.4	4233.4	4231.4	4227.3	4219.0	4219.0	4216.9	4210.7	4206.6	4204.5	4204.5
5°	4212.7	4204.5	4196.2	4173.5	4173.5	4169.3	4157.0	4148.6	4144.5	4134.1	4130.0
7.5°	4194.2	4169.3	4154.8	4140.3	4121.8	4113.4	4099.0	4092.7	4078.3	4068.0	4061.7
10°	4148.6	4132.1	4113.4	4090.7	4076.2	4059.7	4043.1	4030.7	4012.1	4001.7	3993.4
12.5°	4117.6	4092.7	4076.2	4051.3	4026.6	4012.1	3989.3	3974.9	3956.2	3935.5	3923.1
15°	4088.6	4061.7	4039.0	4012.1	3985.2	3968.6	3941.7	3925.2	3898.3	3877.6	3863.1
17.5°	4045.2	4022.4	3997.6	3964.5	3939.7	3919.0	3889.9	3869.3	3844.5	3817.6	3803.1
20°	3999.6	3972.7	3947.9	3914.8	3889.9	3865.2	3836.2	3813.5	3784.4	3759.6	3743.1
22.5°	3939.7	3908.6	3887.9	3854.8	3825.8	3799.0	3772.1	3745.2	3718.3	3697.6	3678.9
25°	3852.7	3819.6	3796.9	3769.9	3743.1	3722.4	3689.3	3672.8	3645.9	3627.2	3608.6
27.5°	3728.6	3703.8	3683.1	3656.2	3633.4	3616.9	3592.0	3575.5	3552.7	3536.2	3521.7
30°	3546.6	3525.9	3507.2	3480.3	3463.8	3449.3	3426.5	3412.0	3395.5	3376.8	3372.7
32.5°	3302.4	3285.8	3267.2	3248.6	3236.1	3227.9	3209.2	3200.9	3184.4	3174.0	3163.7
35°	2934.0	2919.5	2909.2	2901.0	2896.8	2898.9	2894.8	2903.0	2907.1	2905.1	2907.1
37.5°	2452.0	2443.6	2447.8	2454.0	2474.7	2501.6	2526.4	2563.6	2588.5	2613.4	2636.1
40°	1914.0	1920.2	1936.7	1973.9	2027.8	2087.8	2143.7	2214.0	2284.4	2334.0	2379.5
42.5°	1444.3	1462.9	1504.2	1558.1	1638.8	1727.7	1814.7	1918.1	2003.0	2085.7	2143.7
45°	1086.3	1111.1	1164.9	1239.4	1328.4	1431.8	1541.5	1657.4	1758.8	1843.6	1907.8
47.5°	846.3	869.1	922.9	1001.5	1111.1	1218.7	1332.5	1452.5	1558.1	1640.8	1696.7
50°	668.3	697.3	744.9	827.7	937.4	1051.1	1169.1	1287.0	1386.4	1456.7	1506.4
52.5°	525.6	552.5	598.0	684.9	796.7	910.4	1020.1	1136.0	1222.8	1291.1	1324.3
55°	407.6	432.5	480.0	552.5	658.0	769.7	879.4	978.7	1059.4	1109.1	1140.1
57.5°	310.4	329.0	362.1	434.5	529.7	633.1	726.3	825.6	887.7	922.9	943.5
60°	235.9	250.4	285.6	341.4	428.3	517.3	595.9	670.4	720.1	749.1	769.7
62.5°	177.9	194.5	219.3	266.9	333.1	405.6	471.7	527.6	569.0	587.7	602.1
65°	122.0	134.5	153.1	190.3	246.2	297.9	349.7	391.1	418.0	438.7	447.0
67.5°	91.0	99.3	109.7	138.7	177.9	219.3	254.5	283.4	312.5	320.7	335.2
70°	68.3	74.5	84.8	105.5	128.3	157.2	186.3	202.8	223.5	238.0	242.1
72.5°	43.4	45.5	55.9	68.3	86.9	105.5	124.2	138.7	151.1	159.3	163.4
75°	24.9	37.2	37.2	49.7	62.1	70.3	82.8	93.1	99.3	105.5	105.5
77.5°	16.5	22.7	24.9	31.0	37.2	47.6	57.9	64.1	70.3	72.4	72.4
80°	14.5	16.5	16.5	22.7	26.9	35.2	41.4	43.4	47.6	49.7	53.8
82.5°	6.2	8.3	10.3	16.5	18.7	18.7	24.9	26.9	31.0	33.1	33.1
85°	2.0	4.2	4.2	6.2	10.3	12.4	14.5	16.5	18.7	18.7	20.7
87.5°	2.0	2.0	0.0	2.0	4.2	4.2	8.3	8.3	8.3	12.4	12.4
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: P248607

CATALOG NUMBER: LD8B80D010 ER8B80935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6	4237.6
2.5°	4200.4	4202.4	4194.2	4192.1	4188.0	4190.0	4194.2
5°	4123.8	4125.9	4117.6	4109.3	4109.3	4107.2	4109.3
7.5°	4051.3	4053.5	4041.0	4036.9	4028.6	4030.7	4030.7
10°	3979.0	3979.0	3960.4	3958.3	3952.0	3950.0	3950.0
12.5°	3908.6	3902.4	3887.9	3879.6	3883.8	3871.4	3871.4
15°	3846.5	3836.2	3817.6	3811.3	3801.0	3796.9	3796.9
17.5°	3782.4	3774.1	3757.6	3745.2	3732.7	3730.7	3732.7
20°	3720.3	3712.0	3691.3	3683.1	3672.8	3672.8	3668.6
22.5°	3658.2	3649.9	3631.4	3625.2	3610.7	3610.7	3612.7
25°	3594.1	3587.9	3567.2	3563.1	3561.0	3552.7	3556.9
27.5°	3507.2	3503.0	3486.5	3480.3	3472.0	3470.0	3474.1
30°	3347.9	3341.6	3329.3	3323.1	3308.6	3310.6	3314.7
32.5°	3149.2	3141.0	3124.4	3118.2	3105.8	3101.6	3103.7
35°	2901.0	2894.8	2880.3	2880.3	2867.9	2863.7	2867.9
37.5°	2648.5	2654.7	2648.5	2654.7	2648.5	2646.4	2648.5
40°	2410.6	2433.3	2437.4	2460.2	2452.0	2464.3	2462.3
42.5°	2182.9	2220.2	2234.7	2253.3	2249.2	2257.5	2263.7
45°	1953.2	1984.3	1998.8	2011.2	2013.3	2017.5	2019.5
47.5°	1736.0	1760.8	1762.9	1777.4	1775.3	1775.3	1781.5
50°	1533.3	1549.8	1553.9	1564.3	1556.0	1551.8	1553.9
52.5°	1345.0	1361.5	1357.3	1361.5	1351.2	1347.0	1349.1
55°	1152.5	1160.8	1160.8	1160.8	1148.4	1148.4	1148.4
57.5°	955.9	958.1	953.9	955.9	953.9	941.4	939.4
60°	776.0	776.0	773.8	776.0	769.7	763.5	763.5
62.5°	606.2	610.4	618.7	610.4	606.2	610.4	604.2
65°	453.2	461.4	459.3	463.5	461.4	461.4	457.3
67.5°	341.4	343.5	345.5	347.7	347.7	347.7	347.7
70°	250.4	256.6	254.5	254.5	254.5	254.5	266.9
72.5°	167.6	175.9	173.8	177.9	177.9	182.1	177.9
75°	113.8	122.0	118.0	124.2	122.0	118.0	128.3
77.5°	76.6	80.7	82.8	84.8	82.8	80.7	82.8
80°	53.8	57.9	55.9	57.9	57.9	57.9	60.0
82.5°	33.1	39.3	37.2	39.3	37.2	39.3	39.3
85°	22.7	24.9	20.7	24.9	22.7	22.7	26.9
87.5°	14.5	12.4	12.4	14.5	12.4	14.5	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)