

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: P248760

Luminaire Tested: **LD8B80D010 ER8B80827 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248760
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 ER8B80827 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7267.0 lumens
Efficiency: N/A
Efficacy: 97.7 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

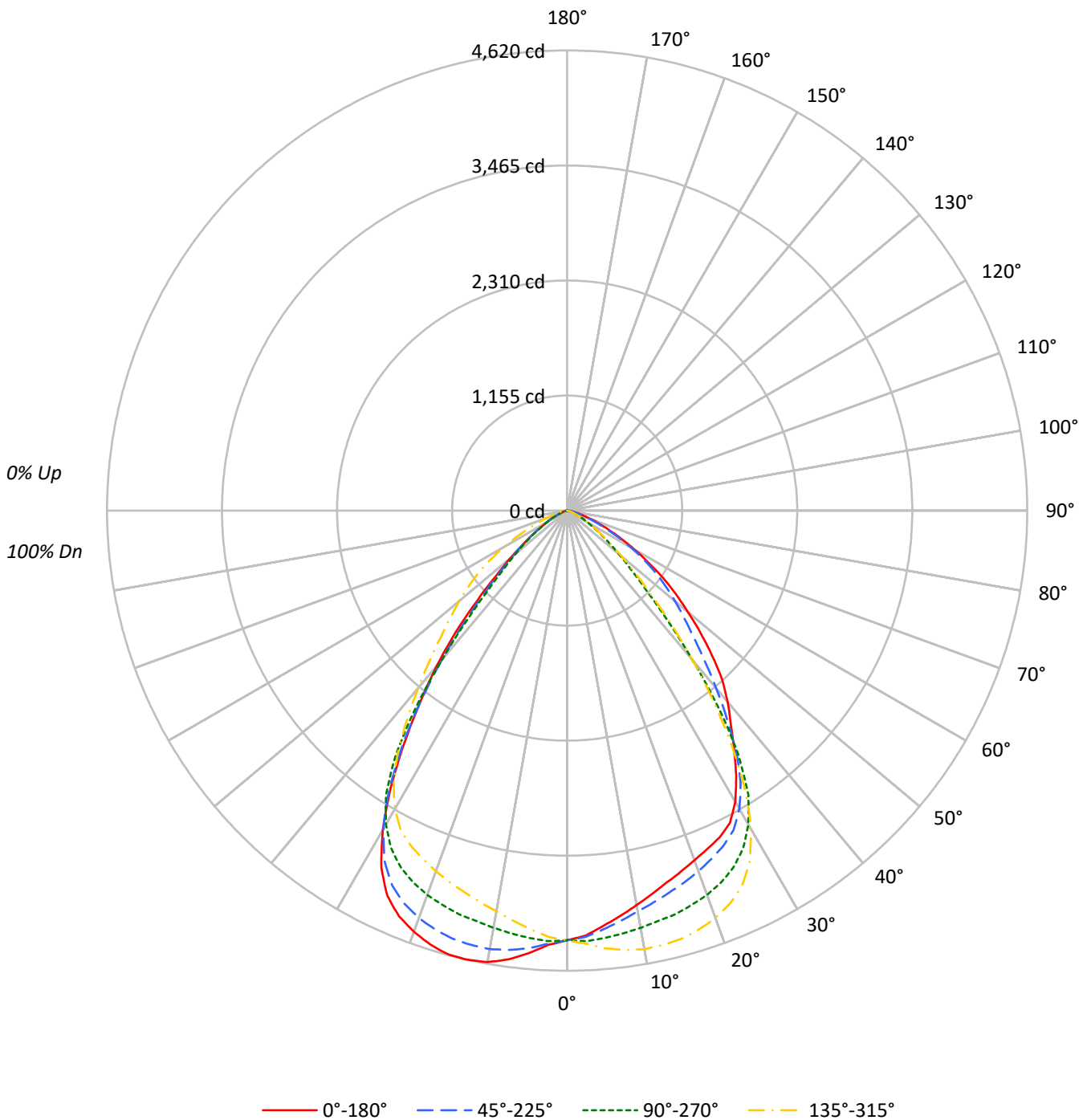
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	133034	133034	133034	133034
5°	129500	133347	138108	133347
10°	125918	133173	144120	133173
15°	123403	133963	147275	133963
20°	122562	134730	147656	134730
25°	123205	134456	145283	134456
30°	120158	129537	131862	129537
35°	109910	113000	107214	113000
40°	100909	78604	82086	78604
45°	89660	47953	55484	47953
50°	75893	32031	35572	32031
55°	62858	21859	23101	21859
60°	47938	14549	14678	14549
65°	33965	9070	8303	9070
70°	24496	6077	5509	6077
75°	15560	3014	2514	3014
80°	10850	2255	1865	2255
85°	9694	0	743	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.6	5.7
10°-20°	1189.1	16.4
20°-30°	1800.6	24.8
30°-40°	1804.6	24.8
40°-50°	1133.2	15.6
50°-60°	603.9	8.3
60°-70°	248.3	3.4
70°-80°	65.6	0.9
80°-90°	11.1	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°	3400.3	46.8
0°-40°	5204.9	71.6
0°-60°	6942.0	95.5
0°-90°	7267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7267.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4314	4314	4314	4314	4314	
5°	4184	4308	4462	4308	4184	395
15°	3866	4196	4613	4196	3866	1093
25°	3621	3952	4270	3952	3621	1661
35°	2920	3002	2848	3002	2920	1829
45°	2056	1100	1272	1100	2056	1581
55°	1169	407	430	407	1169	1042
65°	466	124	114	124	466	483
75°	131	25	21	25	131	148
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°	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2
2.5°	4270.0	4265.7	4263.6	4267.9	4270.0	4278.4	4276.3	4280.5	4280.5	4282.6	4286.8
5°	4183.6	4181.4	4183.6	4183.6	4192.0	4200.4	4198.3	4204.7	4208.8	4219.4	4223.6
7.5°	4103.6	4103.6	4101.4	4109.8	4114.1	4126.7	4124.6	4135.1	4141.5	4152.0	4166.7
10°	4021.4	4021.4	4023.5	4029.8	4032.0	4050.9	4050.9	4065.6	4074.0	4084.6	4103.6
12.5°	3941.3	3941.3	3954.0	3949.8	3958.2	3972.9	3979.2	3994.0	4006.6	4027.7	4046.7
15°	3865.5	3865.5	3869.7	3880.2	3886.5	3905.5	3916.0	3932.9	3947.7	3968.7	3996.1
17.5°	3800.2	3798.1	3800.2	3812.8	3825.5	3842.3	3850.7	3871.8	3886.5	3913.9	3939.3
20°	3734.9	3739.1	3739.1	3749.6	3758.0	3779.1	3787.5	3810.8	3827.6	3852.8	3882.4
22.5°	3678.0	3675.9	3675.9	3690.7	3697.0	3715.9	3724.3	3745.4	3764.4	3785.4	3812.8
25°	3621.1	3616.9	3625.4	3627.5	3631.6	3652.7	3659.0	3673.8	3692.8	3711.7	3739.1
27.5°	3536.9	3532.7	3534.8	3543.2	3549.5	3566.3	3570.6	3585.3	3600.1	3616.9	3640.1
30°	3374.6	3370.5	3368.4	3383.1	3389.5	3402.0	3408.4	3433.7	3437.8	3456.8	3473.7
32.5°	3159.8	3157.7	3161.9	3174.5	3180.8	3197.7	3206.2	3220.9	3231.4	3242.0	3258.8
35°	2919.7	2915.4	2919.7	2932.3	2932.3	2947.1	2953.4	2959.7	2957.6	2959.7	2955.5
37.5°	2696.4	2694.2	2696.4	2702.7	2696.4	2702.7	2696.4	2683.8	2660.6	2635.3	2610.0
40°	2506.8	2508.9	2496.3	2504.7	2481.5	2477.3	2454.2	2422.5	2376.2	2325.7	2254.0
42.5°	2304.6	2298.3	2289.8	2294.0	2275.1	2260.3	2222.4	2182.4	2123.4	2039.2	1952.7
45°	2056.0	2053.9	2049.7	2047.6	2034.9	2020.2	1988.5	1942.2	1876.9	1790.6	1687.3
47.5°	1813.7	1807.4	1807.4	1809.5	1794.7	1792.7	1767.3	1727.4	1670.5	1586.2	1478.8
50°	1582.0	1579.9	1584.1	1592.5	1582.0	1577.8	1561.0	1533.6	1483.0	1411.4	1310.2
52.5°	1373.4	1371.4	1375.6	1386.1	1381.8	1386.1	1369.3	1348.2	1314.5	1244.9	1156.5
55°	1169.2	1169.2	1169.2	1181.7	1181.7	1181.7	1173.3	1160.7	1129.1	1078.5	996.4
57.5°	956.4	958.5	971.1	973.2	971.1	975.4	973.2	960.5	939.6	903.7	840.5
60°	777.3	777.3	783.7	790.0	787.8	790.0	790.0	783.7	762.6	733.1	682.6
62.5°	615.1	621.4	617.2	621.4	629.8	621.4	617.2	613.0	598.3	579.3	537.1
65°	465.5	469.8	469.8	471.9	467.6	469.8	461.4	455.0	446.6	425.6	398.2
67.5°	353.9	353.9	353.9	353.9	351.8	349.7	347.6	341.3	326.5	318.1	288.6
70°	271.7	259.1	259.1	259.1	259.1	261.2	254.9	246.5	242.3	227.5	206.4
72.5°	181.1	185.4	181.1	181.1	177.0	179.0	170.6	166.4	162.2	153.8	141.2
75°	130.6	120.1	124.3	126.4	120.1	124.3	115.8	107.4	107.4	101.1	94.8
77.5°	84.3	82.2	84.3	86.4	84.3	82.2	77.9	73.7	73.7	71.6	65.3
80°	61.1	59.0	59.0	59.0	56.9	59.0	54.8	54.8	50.6	48.5	44.2
82.5°	40.1	40.1	37.9	40.1	37.9	40.1	33.7	33.7	33.7	31.6	27.4
85°	27.4	23.2	23.2	25.3	21.1	25.3	23.2	21.1	19.0	19.0	16.8
87.5°	12.7	14.7	12.7	14.7	12.7	12.7	14.7	12.7	12.7	8.4	8.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2
2.5°	4293.1	4295.2	4295.2	4303.7	4307.9	4309.9	4309.9	4326.8	4320.5	4324.8	4328.9
5°	4232.1	4244.6	4248.9	4248.9	4272.0	4280.5	4288.9	4307.9	4309.9	4322.6	4337.3
7.5°	4173.0	4187.8	4196.3	4215.2	4229.9	4244.6	4270.0	4282.6	4295.2	4312.1	4331.0
10°	4116.1	4133.1	4149.9	4164.6	4187.8	4206.8	4223.6	4253.1	4267.9	4291.0	4316.3
12.5°	4061.4	4084.6	4099.3	4124.6	4149.9	4166.7	4192.0	4219.4	4242.6	4265.7	4295.2
15°	4013.0	4040.4	4057.2	4084.6	4112.0	4135.1	4162.5	4196.3	4213.1	4240.5	4267.9
17.5°	3960.3	3989.8	4010.9	4036.1	4069.8	4095.1	4118.3	4152.0	4173.0	4202.5	4234.2
20°	3905.5	3935.0	3960.3	3985.6	4019.3	4044.5	4071.9	4105.7	4128.8	4158.3	4183.6
22.5°	3840.2	3867.6	3895.0	3924.4	3958.2	3979.2	4010.9	4040.4	4065.6	4093.0	4118.3
25°	3756.0	3789.7	3810.8	3838.1	3865.5	3888.6	3922.4	3951.8	3972.9	3998.2	4021.4
27.5°	3656.9	3682.3	3699.1	3722.2	3749.6	3770.7	3795.9	3825.5	3846.6	3869.7	3886.5
30°	3488.4	3511.6	3526.4	3543.2	3570.6	3589.6	3610.6	3638.0	3652.7	3669.6	3684.3
32.5°	3267.2	3286.2	3294.6	3307.3	3326.2	3345.2	3362.1	3385.2	3391.5	3402.0	3402.0
35°	2947.1	2951.2	2949.2	2953.4	2961.8	2972.3	2987.1	3001.8	3010.2	3010.2	3004.0
37.5°	2572.1	2546.8	2519.4	2498.4	2492.0	2487.8	2496.3	2502.5	2511.0	2515.2	2504.7
40°	2182.4	2125.5	2064.4	2009.6	1971.7	1954.9	1948.6	1952.7	1952.7	1967.5	1967.5
42.5°	1847.5	1758.9	1668.4	1586.2	1531.4	1489.4	1470.4	1470.4	1472.5	1483.0	1489.4
45°	1569.4	1457.7	1352.4	1261.8	1186.0	1131.2	1105.9	1099.6	1097.5	1101.7	1116.4
47.5°	1356.6	1240.8	1131.2	1019.6	939.6	884.8	861.6	853.1	844.7	853.1	855.3
50°	1190.2	1070.1	954.3	842.6	758.3	709.9	680.4	667.7	665.6	665.6	669.9
52.5°	1038.5	926.9	811.1	697.3	608.8	562.5	535.1	528.7	520.3	528.7	528.7
55°	895.2	783.7	669.9	562.5	488.7	440.3	415.0	406.6	402.3	408.6	408.6
57.5°	739.4	644.6	539.3	442.4	368.7	334.9	316.0	305.5	303.3	307.5	303.3
60°	606.7	526.7	436.0	347.6	290.7	254.9	240.2	235.9	231.7	235.9	235.9
62.5°	480.3	412.9	339.1	271.7	223.3	198.0	181.1	181.1	179.0	179.0	181.1
65°	356.0	303.3	250.7	193.8	155.9	136.9	124.3	124.3	122.2	124.3	122.2
67.5°	259.1	223.3	181.1	141.2	111.7	101.1	92.7	86.4	90.6	86.4	84.3
70°	189.6	160.1	130.6	107.4	86.4	75.9	69.5	67.4	63.2	63.2	63.2
72.5°	126.4	107.4	88.4	69.5	56.9	46.3	44.2	40.1	35.8	37.9	42.1
75°	84.3	71.6	63.2	50.6	37.9	37.9	25.3	25.3	21.1	25.3	19.0
77.5°	59.0	48.5	37.9	31.6	25.3	23.2	16.8	16.8	14.7	14.7	14.7
80°	42.1	35.8	27.4	23.2	16.8	16.8	14.7	12.7	10.5	10.5	12.7
82.5°	25.3	19.0	19.0	16.8	10.5	8.4	6.3	8.4	4.2	4.2	4.2
85°	14.7	12.7	10.5	6.3	4.2	4.2	2.1	0.0	2.1	2.1	0.0
87.5°	8.4	4.2	4.2	2.1	0.0	2.1	2.1	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°	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2
2.5°	4339.5	4337.3	4341.6	4341.6	4354.2	4352.1	4358.4	4358.4	4354.2	4356.3	4364.7
5°	4354.2	4360.6	4373.1	4383.7	4402.6	4411.1	4421.6	4432.2	4434.3	4440.6	4446.9
7.5°	4354.2	4375.3	4390.1	4409.0	4434.3	4449.0	4472.2	4491.2	4499.6	4510.1	4522.7
10°	4345.7	4366.8	4394.2	4415.3	4446.9	4470.1	4493.2	4522.7	4535.4	4552.2	4569.1
12.5°	4328.9	4352.1	4381.6	4409.0	4444.8	4465.8	4495.3	4522.7	4541.7	4564.9	4583.8
15°	4303.7	4331.0	4358.4	4385.8	4423.7	4449.0	4476.4	4508.0	4527.0	4552.2	4569.1
17.5°	4263.6	4293.1	4318.4	4343.7	4379.5	4409.0	4434.3	4463.8	4482.7	4503.8	4527.0
20°	4215.2	4242.6	4270.0	4291.0	4326.8	4352.1	4379.5	4406.9	4421.6	4425.9	4461.7
22.5°	4154.1	4173.0	4194.1	4227.8	4248.9	4272.0	4297.4	4322.6	4337.3	4360.6	4373.1
25°	4052.9	4071.9	4095.1	4109.8	4135.1	4154.1	4179.4	4206.8	4215.2	4232.1	4244.6
27.5°	3911.9	3922.4	3932.9	3945.5	3960.3	3970.8	3985.6	3998.2	4006.6	4015.0	4023.5
30°	3688.5	3688.5	3688.5	3680.1	3686.4	3692.8	3694.8	3692.8	3692.8	3690.7	3690.7
32.5°	3393.6	3376.8	3357.8	3341.0	3334.7	3326.2	3322.0	3315.7	3305.2	3298.9	3300.9
35°	2995.5	2957.6	2934.4	2913.4	2896.5	2883.9	2877.5	2871.2	2869.1	2860.7	2852.2
37.5°	2498.4	2471.0	2454.2	2441.5	2426.8	2414.1	2416.2	2418.3	2424.6	2420.4	2422.5
40°	1971.7	1965.4	1971.7	1957.0	1952.7	1957.0	1967.5	1982.3	1990.7	1999.1	2013.9
42.5°	1499.9	1510.3	1525.2	1525.2	1531.4	1539.9	1552.5	1575.7	1588.3	1603.0	1619.9
45°	1129.1	1141.8	1160.7	1167.0	1171.2	1181.7	1196.6	1215.5	1223.9	1236.5	1251.3
47.5°	870.0	878.4	888.9	899.5	910.0	914.2	929.0	929.0	939.6	948.0	952.1
50°	678.3	686.7	695.1	701.5	705.7	712.0	716.2	722.5	724.6	728.9	730.9
52.5°	530.8	541.4	541.4	545.6	551.9	558.2	556.1	558.2	560.3	560.3	566.6
55°	415.0	415.0	421.3	421.3	425.6	423.4	425.6	425.6	425.6	425.6	427.6
57.5°	309.6	311.8	318.1	313.9	311.8	316.0	311.8	316.0	313.9	318.1	311.8
60°	238.0	238.0	240.2	240.2	242.3	242.3	242.3	240.2	240.2	238.0	238.0
62.5°	179.0	181.1	183.3	181.1	181.1	181.1	179.0	179.0	177.0	174.8	174.8
65°	120.1	118.0	122.2	118.0	120.1	120.1	118.0	120.1	113.8	115.8	113.8
67.5°	86.4	84.3	82.2	84.3	82.2	80.0	80.0	82.2	84.3	77.9	77.9
70°	56.9	59.0	56.9	59.0	61.1	61.1	59.0	56.9	59.0	54.8	56.9
72.5°	35.8	35.8	35.8	35.8	35.8	37.9	37.9	37.9	33.7	33.7	31.6
75°	16.8	23.2	19.0	16.8	23.2	23.2	21.1	21.1	19.0	19.0	19.0
77.5°	16.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	10.5	12.7	10.5
80°	8.4	8.4	8.4	6.3	8.4	8.4	10.5	8.4	8.4	6.3	10.5
82.5°	4.2	4.2	4.2	0.0	2.1	4.2	4.2	2.1	4.2	4.2	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: P248760

CATALOG NUMBER: LD8B80D010 ER8B80827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2
2.5°	4362.7	4360.6	4362.7	4364.7	4362.7	4360.6	4362.7	4364.7	4356.3	4354.2	4358.4
5°	4455.3	4455.3	4459.5	4461.7	4459.5	4455.3	4455.3	4446.9	4440.6	4434.3	4432.2
7.5°	4535.4	4539.6	4543.8	4545.9	4543.8	4539.6	4535.4	4522.7	4510.1	4499.6	4491.2
10°	4583.8	4590.2	4598.6	4602.7	4598.6	4590.2	4583.8	4569.1	4552.2	4535.4	4522.7
12.5°	4604.9	4611.2	4621.7	4619.7	4621.7	4611.2	4604.9	4583.8	4564.9	4541.7	4522.7
15°	4590.2	4598.6	4609.1	4613.3	4609.1	4598.6	4590.2	4569.1	4552.2	4527.0	4508.0
17.5°	4543.8	4556.4	4562.8	4569.1	4562.8	4556.4	4543.8	4527.0	4503.8	4482.7	4463.8
20°	4480.6	4489.1	4497.5	4499.6	4497.5	4489.1	4480.6	4461.7	4425.9	4421.6	4406.9
22.5°	4390.1	4396.4	4415.3	4409.0	4415.3	4396.4	4390.1	4373.1	4360.6	4337.3	4322.6
25°	4259.4	4265.7	4267.9	4270.0	4267.9	4265.7	4259.4	4244.6	4232.1	4215.2	4206.8
27.5°	4034.0	4034.0	4038.2	4040.4	4038.2	4034.0	4034.0	4023.5	4015.0	4006.6	3998.2
30°	3692.8	3692.8	3692.8	3703.3	3692.8	3692.8	3692.8	3690.7	3690.7	3692.8	3692.8
32.5°	3298.9	3294.6	3290.4	3294.6	3290.4	3294.6	3298.9	3300.9	3298.9	3305.2	3315.7
35°	2852.2	2850.1	2856.5	2848.1	2856.5	2850.1	2852.2	2852.2	2860.7	2869.1	2871.2
37.5°	2424.6	2420.4	2428.8	2420.4	2428.8	2420.4	2424.6	2422.5	2420.4	2424.6	2418.3
40°	2018.1	2022.3	2022.3	2039.2	2022.3	2022.3	2018.1	2013.9	1999.1	1990.7	1982.3
42.5°	1628.4	1641.0	1636.8	1649.4	1636.8	1641.0	1628.4	1619.9	1603.0	1588.3	1575.7
45°	1259.7	1268.2	1268.2	1272.3	1268.2	1268.2	1259.7	1251.3	1236.5	1223.9	1215.5
47.5°	966.9	966.9	966.9	969.0	966.9	966.9	966.9	952.1	948.0	939.6	929.0
50°	735.2	737.3	739.4	741.5	739.4	737.3	735.2	730.9	728.9	724.6	722.5
52.5°	564.5	566.6	562.5	566.6	562.5	566.6	564.5	566.6	560.3	560.3	558.2
55°	427.6	425.6	427.6	429.7	427.6	425.6	427.6	427.6	425.6	425.6	425.6
57.5°	313.9	309.6	309.6	309.6	309.6	309.6	313.9	311.8	318.1	313.9	316.0
60°	233.8	235.9	235.9	238.0	235.9	235.9	233.8	238.0	238.0	240.2	240.2
62.5°	172.7	179.0	174.8	179.0	174.8	179.0	172.7	174.8	174.8	177.0	179.0
65°	111.7	111.7	111.7	113.8	111.7	111.7	111.7	113.8	115.8	113.8	120.1
67.5°	75.9	77.9	82.2	80.0	82.2	77.9	75.9	77.9	77.9	84.3	82.2
70°	61.1	54.8	54.8	61.1	54.8	54.8	61.1	56.9	54.8	59.0	56.9
72.5°	35.8	31.6	35.8	35.8	35.8	31.6	35.8	31.6	33.7	33.7	37.9
75°	19.0	16.8	14.7	21.1	14.7	16.8	19.0	19.0	19.0	19.0	21.1
77.5°	12.7	10.5	14.7	14.7	14.7	10.5	12.7	10.5	12.7	10.5	12.7
80°	6.3	8.4	6.3	10.5	6.3	8.4	6.3	10.5	6.3	8.4	8.4
82.5°	2.1	4.2	4.2	4.2	4.2	4.2	2.1	2.1	4.2	4.2	2.1
85°	0.0	4.2	2.1	2.1	2.1	4.2	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: P248760

CATALOG NUMBER: LD8B80D010 ER8B80827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2
2.5°	4358.4	4352.1	4354.2	4341.6	4341.6	4337.3	4339.5	4328.9	4324.8	4320.5	4326.8
5°	4421.6	4411.1	4402.6	4383.7	4373.1	4360.6	4354.2	4337.3	4322.6	4309.9	4307.9
7.5°	4472.2	4449.0	4434.3	4409.0	4390.1	4375.3	4354.2	4331.0	4312.1	4295.2	4282.6
10°	4493.2	4470.1	4446.9	4415.3	4394.2	4366.8	4345.7	4316.3	4291.0	4267.9	4253.1
12.5°	4495.3	4465.8	4444.8	4409.0	4381.6	4352.1	4328.9	4295.2	4265.7	4242.6	4219.4
15°	4476.4	4449.0	4423.7	4385.8	4358.4	4331.0	4303.7	4267.9	4240.5	4213.1	4196.3
17.5°	4434.3	4409.0	4379.5	4343.7	4318.4	4293.1	4263.6	4234.2	4202.5	4173.0	4152.0
20°	4379.5	4352.1	4326.8	4291.0	4270.0	4242.6	4215.2	4183.6	4158.3	4128.8	4105.7
22.5°	4297.4	4272.0	4248.9	4227.8	4194.1	4173.0	4154.1	4118.3	4093.0	4065.6	4040.4
25°	4179.4	4154.1	4135.1	4109.8	4095.1	4071.9	4052.9	4021.4	3998.2	3972.9	3951.8
27.5°	3985.6	3970.8	3960.3	3945.5	3932.9	3922.4	3911.9	3886.5	3869.7	3846.6	3825.5
30°	3694.8	3692.8	3686.4	3680.1	3688.5	3688.5	3688.5	3684.3	3669.6	3652.7	3638.0
32.5°	3322.0	3326.2	3334.7	3341.0	3357.8	3376.8	3393.6	3402.0	3402.0	3391.5	3385.2
35°	2877.5	2883.9	2896.5	2913.4	2934.4	2957.6	2995.5	3004.0	3010.2	3010.2	3001.8
37.5°	2416.2	2414.1	2426.8	2441.5	2454.2	2471.0	2498.4	2504.7	2515.2	2511.0	2502.5
40°	1967.5	1957.0	1952.7	1957.0	1971.7	1965.4	1971.7	1967.5	1967.5	1952.7	1952.7
42.5°	1552.5	1539.9	1531.4	1525.2	1525.2	1510.3	1499.9	1489.4	1483.0	1472.5	1470.4
45°	1196.6	1181.7	1171.2	1167.0	1160.7	1141.8	1129.1	1116.4	1101.7	1097.5	1099.6
47.5°	929.0	914.2	910.0	899.5	888.9	878.4	870.0	855.3	853.1	844.7	853.1
50°	716.2	712.0	705.7	701.5	695.1	686.7	678.3	669.9	665.6	665.6	667.7
52.5°	556.1	558.2	551.9	545.6	541.4	541.4	530.8	528.7	528.7	520.3	528.7
55°	425.6	423.4	425.6	421.3	421.3	415.0	415.0	408.6	408.6	402.3	406.6
57.5°	311.8	316.0	311.8	313.9	318.1	311.8	309.6	303.3	307.5	303.3	305.5
60°	242.3	242.3	242.3	240.2	240.2	238.0	238.0	235.9	235.9	231.7	235.9
62.5°	179.0	181.1	181.1	181.1	183.3	181.1	179.0	181.1	179.0	179.0	181.1
65°	118.0	120.1	120.1	118.0	122.2	118.0	120.1	122.2	124.3	122.2	124.3
67.5°	80.0	80.0	82.2	84.3	82.2	84.3	86.4	84.3	86.4	90.6	86.4
70°	59.0	61.1	61.1	59.0	56.9	59.0	56.9	63.2	63.2	63.2	67.4
72.5°	37.9	37.9	35.8	35.8	35.8	35.8	35.8	42.1	37.9	35.8	40.1
75°	21.1	23.2	23.2	16.8	19.0	23.2	16.8	19.0	25.3	21.1	25.3
77.5°	12.7	12.7	12.7	12.7	12.7	12.7	16.8	14.7	14.7	14.7	16.8
80°	10.5	8.4	8.4	6.3	8.4	8.4	8.4	12.7	10.5	10.5	12.7
82.5°	4.2	4.2	2.1	0.0	4.2	4.2	4.2	4.2	4.2	4.2	8.4
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	4.2	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: P248760

CATALOG NUMBER: LD8B80D010 ER8B80827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2
2.5°	4309.9	4309.9	4307.9	4303.7	4295.2	4295.2	4293.1	4286.8	4282.6	4280.5	4280.5
5°	4288.9	4280.5	4272.0	4248.9	4248.9	4244.6	4232.1	4223.6	4219.4	4208.8	4204.7
7.5°	4270.0	4244.6	4229.9	4215.2	4196.3	4187.8	4173.0	4166.7	4152.0	4141.5	4135.1
10°	4223.6	4206.8	4187.8	4164.6	4149.9	4133.1	4116.1	4103.6	4084.6	4074.0	4065.6
12.5°	4192.0	4166.7	4149.9	4124.6	4099.3	4084.6	4061.4	4046.7	4027.7	4006.6	3994.0
15°	4162.5	4135.1	4112.0	4084.6	4057.2	4040.4	4013.0	3996.1	3968.7	3947.7	3932.9
17.5°	4118.3	4095.1	4069.8	4036.1	4010.9	3989.8	3960.3	3939.3	3913.9	3886.5	3871.8
20°	4071.9	4044.5	4019.3	3985.6	3960.3	3935.0	3905.5	3882.4	3852.8	3827.6	3810.8
22.5°	4010.9	3979.2	3958.2	3924.4	3895.0	3867.6	3840.2	3812.8	3785.4	3764.4	3745.4
25°	3922.4	3888.6	3865.5	3838.1	3810.8	3789.7	3756.0	3739.1	3711.7	3692.8	3673.8
27.5°	3795.9	3770.7	3749.6	3722.2	3699.1	3682.3	3656.9	3640.1	3616.9	3600.1	3585.3
30°	3610.6	3589.6	3570.6	3543.2	3526.4	3511.6	3488.4	3473.7	3456.8	3437.8	3433.7
32.5°	3362.1	3345.2	3326.2	3307.3	3294.6	3286.2	3267.2	3258.8	3242.0	3231.4	3220.9
35°	2987.1	2972.3	2961.8	2953.4	2949.2	2951.2	2947.1	2955.5	2959.7	2957.6	2959.7
37.5°	2496.3	2487.8	2492.0	2498.4	2519.4	2546.8	2572.1	2610.0	2635.3	2660.6	2683.8
40°	1948.6	1954.9	1971.7	2009.6	2064.4	2125.5	2182.4	2254.0	2325.7	2376.2	2422.5
42.5°	1470.4	1489.4	1531.4	1586.2	1668.4	1758.9	1847.5	1952.7	2039.2	2123.4	2182.4
45°	1105.9	1131.2	1186.0	1261.8	1352.4	1457.7	1569.4	1687.3	1790.6	1876.9	1942.2
47.5°	861.6	884.8	939.6	1019.6	1131.2	1240.8	1356.6	1478.8	1586.2	1670.5	1727.4
50°	680.4	709.9	758.3	842.6	954.3	1070.1	1190.2	1310.2	1411.4	1483.0	1533.6
52.5°	535.1	562.5	608.8	697.3	811.1	926.9	1038.5	1156.5	1244.9	1314.5	1348.2
55°	415.0	440.3	488.7	562.5	669.9	783.7	895.2	996.4	1078.5	1129.1	1160.7
57.5°	316.0	334.9	368.7	442.4	539.3	644.6	739.4	840.5	903.7	939.6	960.5
60°	240.2	254.9	290.7	347.6	436.0	526.7	606.7	682.6	733.1	762.6	783.7
62.5°	181.1	198.0	223.3	271.7	339.1	412.9	480.3	537.1	579.3	598.3	613.0
65°	124.3	136.9	155.9	193.8	250.7	303.3	356.0	398.2	425.6	446.6	455.0
67.5°	92.7	101.1	111.7	141.2	181.1	223.3	259.1	288.6	318.1	326.5	341.3
70°	69.5	75.9	86.4	107.4	130.6	160.1	189.6	206.4	227.5	242.3	246.5
72.5°	44.2	46.3	56.9	69.5	88.4	107.4	126.4	141.2	153.8	162.2	166.4
75°	25.3	37.9	37.9	50.6	63.2	71.6	84.3	94.8	101.1	107.4	107.4
77.5°	16.8	23.2	25.3	31.6	37.9	48.5	59.0	65.3	71.6	73.7	73.7
80°	14.7	16.8	16.8	23.2	27.4	35.8	42.1	44.2	48.5	50.6	54.8
82.5°	6.3	8.4	10.5	16.8	19.0	19.0	25.3	27.4	31.6	33.7	33.7
85°	2.1	4.2	4.2	6.3	10.5	12.7	14.7	16.8	19.0	19.0	21.1
87.5°	2.1	2.1	0.0	2.1	4.2	4.2	8.4	8.4	8.4	12.7	12.7
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: P248760

CATALOG NUMBER: LD8B80D010 ER8B80827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2	4314.2
2.5°	4276.3	4278.4	4270.0	4267.9	4263.6	4265.7	4270.0
5°	4198.3	4200.4	4192.0	4183.6	4183.6	4181.4	4183.6
7.5°	4124.6	4126.7	4114.1	4109.8	4101.4	4103.6	4103.6
10°	4050.9	4050.9	4032.0	4029.8	4023.5	4021.4	4021.4
12.5°	3979.2	3972.9	3958.2	3949.8	3954.0	3941.3	3941.3
15°	3916.0	3905.5	3886.5	3880.2	3869.7	3865.5	3865.5
17.5°	3850.7	3842.3	3825.5	3812.8	3800.2	3798.1	3800.2
20°	3787.5	3779.1	3758.0	3749.6	3739.1	3739.1	3734.9
22.5°	3724.3	3715.9	3697.0	3690.7	3675.9	3675.9	3678.0
25°	3659.0	3652.7	3631.6	3627.5	3625.4	3616.9	3621.1
27.5°	3570.6	3566.3	3549.5	3543.2	3534.8	3532.7	3536.9
30°	3408.4	3402.0	3389.5	3383.1	3368.4	3370.5	3374.6
32.5°	3206.2	3197.7	3180.8	3174.5	3161.9	3157.7	3159.8
35°	2953.4	2947.1	2932.3	2932.3	2919.7	2915.4	2919.7
37.5°	2696.4	2702.7	2696.4	2702.7	2696.4	2694.2	2696.4
40°	2454.2	2477.3	2481.5	2504.7	2496.3	2508.9	2506.8
42.5°	2222.4	2260.3	2275.1	2294.0	2289.8	2298.3	2304.6
45°	1988.5	2020.2	2034.9	2047.6	2049.7	2053.9	2056.0
47.5°	1767.3	1792.7	1794.7	1809.5	1807.4	1807.4	1813.7
50°	1561.0	1577.8	1582.0	1592.5	1584.1	1579.9	1582.0
52.5°	1369.3	1386.1	1381.8	1386.1	1375.6	1371.4	1373.4
55°	1173.3	1181.7	1181.7	1181.7	1169.2	1169.2	1169.2
57.5°	973.2	975.4	971.1	973.2	971.1	958.5	956.4
60°	790.0	790.0	787.8	790.0	783.7	777.3	777.3
62.5°	617.2	621.4	629.8	621.4	617.2	621.4	615.1
65°	461.4	469.8	467.6	471.9	469.8	469.8	465.5
67.5°	347.6	349.7	351.8	353.9	353.9	353.9	353.9
70°	254.9	261.2	259.1	259.1	259.1	259.1	271.7
72.5°	170.6	179.0	177.0	181.1	181.1	185.4	181.1
75°	115.8	124.3	120.1	126.4	124.3	120.1	130.6
77.5°	77.9	82.2	84.3	86.4	84.3	82.2	84.3
80°	54.8	59.0	56.9	59.0	59.0	59.0	61.1
82.5°	33.7	40.1	37.9	40.1	37.9	40.1	40.1
85°	23.2	25.3	21.1	25.3	23.2	23.2	27.4
87.5°	14.7	12.7	12.7	14.7	12.7	14.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)