

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: P248562

Luminaire Tested: **LD8B80D010 ER8B80835 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248562
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 ER8B80835 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8371.0 lumens
Efficiency: N/A
Efficacy: 112.5 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

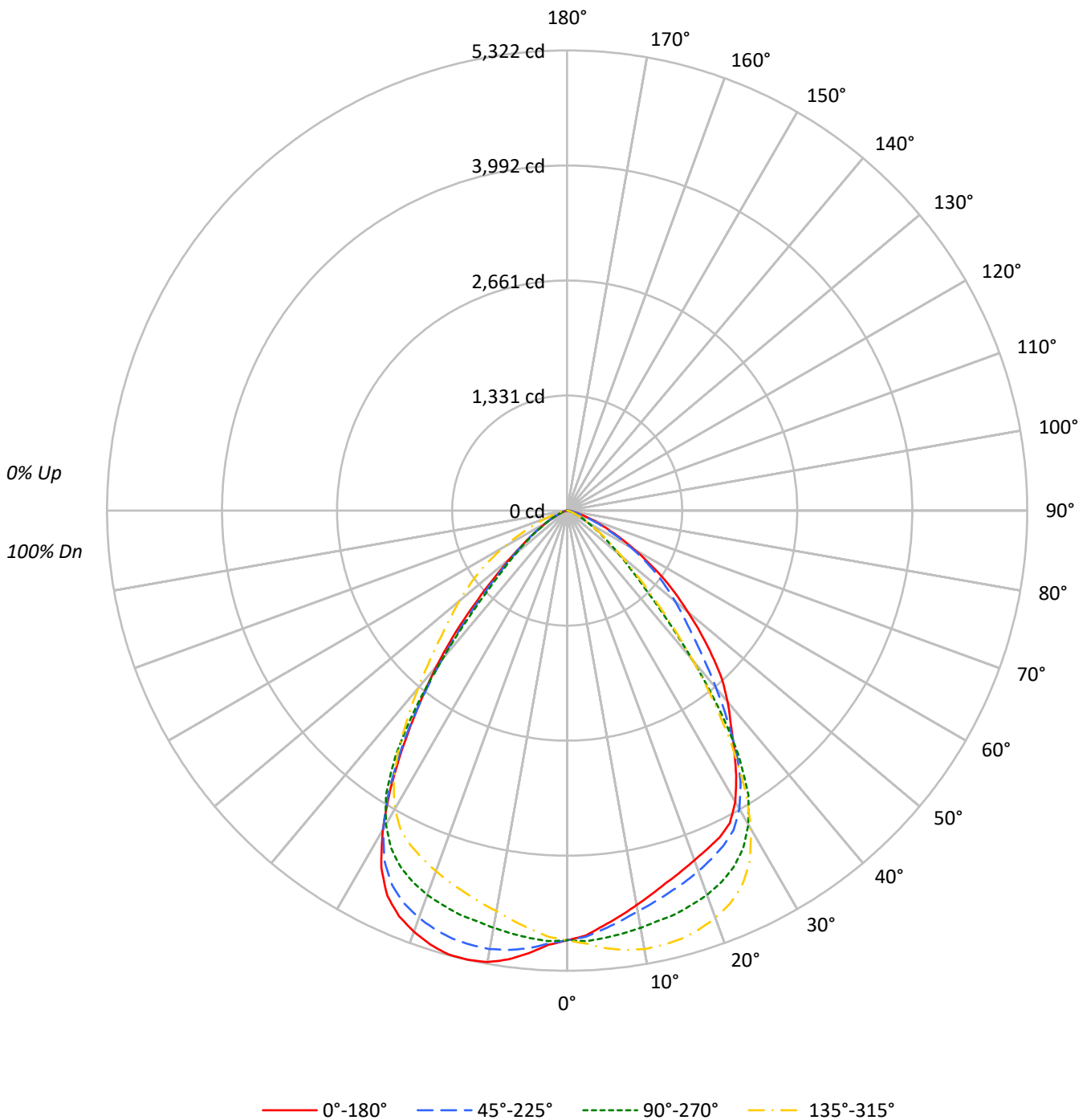
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	153244	153244	153244	153244
5°	149174	153604	159089	153604
10°	145047	153404	166016	153404
15°	142148	154315	169651	154315
20°	141181	155197	170085	155197
25°	141925	154885	167354	154885
30°	138414	149213	151895	149213
35°	126605	130166	123499	130166
40°	116237	90547	94557	90547
45°	103280	55240	63914	55240
50°	87421	36901	40978	36901
55°	72406	25176	26612	25176
60°	55222	16763	16911	16763
65°	39131	10441	9558	10441
70°	28220	6996	6347	6996
75°	17919	3479	2895	3479
80°	12502	2593	2149	2593
85°	11180	0	849	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.0	5.7
10°-20°	1369.8	16.4
20°-30°	2074.1	24.8
30°-40°	2078.8	24.8
40°-50°	1305.4	15.6
50°-60°	695.6	8.3
60°-70°	286.0	3.4
70°-80°	75.6	0.9
80°-90°	12.8	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°	3916.9	46.8
0°-40°	5995.6	71.6
0°-60°	7996.6	95.5
0°-90°	8371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8371.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4970	4970	4970	4970	4970	
5°	4819	4962	5140	4962	4819	454
15°	4453	4834	5314	4834	4453	1259
25°	4171	4552	4919	4552	4171	1913
35°	3363	3458	3281	3458	3363	2107
45°	2368	1267	1466	1267	2368	1821
55°	1347	468	495	468	1347	1201
65°	536	143	131	143	536	556
75°	150	29	24	29	150	170
85°	32	0	2	0	32	35
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°	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6
2.5°	4918.7	4913.8	4911.4	4916.3	4918.7	4928.3	4926.0	4930.7	4930.7	4933.2	4938.0
5°	4819.2	4816.7	4819.2	4819.2	4828.9	4838.6	4836.2	4843.4	4848.2	4860.4	4865.2
7.5°	4727.0	4727.0	4724.5	4734.2	4739.1	4753.7	4751.2	4763.3	4770.6	4782.7	4799.7
10°	4632.3	4632.3	4634.7	4642.0	4644.5	4666.3	4666.3	4683.2	4692.9	4705.1	4727.0
12.5°	4540.1	4540.1	4554.7	4549.8	4559.5	4576.5	4583.8	4600.7	4615.3	4639.6	4661.5
15°	4452.7	4452.7	4457.6	4469.7	4477.0	4498.9	4511.0	4530.4	4547.4	4571.7	4603.2
17.5°	4377.5	4375.1	4377.5	4392.1	4406.7	4426.1	4435.7	4460.0	4477.0	4508.6	4537.7
20°	4302.3	4307.2	4307.2	4319.3	4329.0	4353.2	4362.9	4389.7	4409.1	4438.1	4472.2
22.5°	4236.8	4234.4	4234.4	4251.4	4258.7	4280.4	4290.1	4314.4	4336.3	4360.5	4392.1
25°	4171.3	4166.4	4176.2	4178.6	4183.3	4207.6	4214.9	4231.9	4253.8	4275.6	4307.2
27.5°	4074.2	4069.4	4071.8	4081.5	4088.8	4108.1	4113.0	4130.0	4147.0	4166.4	4193.1
30°	3887.3	3882.5	3880.1	3897.1	3904.4	3918.9	3926.2	3955.3	3960.1	3982.0	4001.4
32.5°	3639.8	3637.4	3642.3	3656.8	3664.1	3683.6	3693.2	3710.2	3722.3	3734.5	3753.9
35°	3363.2	3358.3	3363.2	3377.8	3377.8	3394.8	3402.1	3409.3	3406.9	3409.3	3404.5
37.5°	3106.0	3103.6	3106.0	3113.2	3106.0	3113.2	3106.0	3091.5	3064.8	3035.6	3006.5
40°	2887.6	2890.0	2875.5	2885.2	2858.4	2853.7	2827.0	2790.5	2737.2	2679.0	2596.5
42.5°	2654.7	2647.4	2637.7	2642.5	2620.7	2603.7	2560.0	2514.0	2445.9	2349.0	2249.4
45°	2368.3	2365.9	2361.0	2358.7	2344.1	2327.1	2290.6	2237.3	2162.1	2062.6	1943.7
47.5°	2089.3	2082.0	2082.0	2084.4	2067.4	2065.0	2035.8	1989.8	1924.3	1827.2	1703.4
50°	1822.3	1819.9	1824.8	1834.5	1822.3	1817.5	1798.1	1766.6	1708.3	1625.8	1509.3
52.5°	1582.1	1579.7	1584.6	1596.7	1591.8	1596.7	1577.3	1553.0	1514.2	1434.1	1332.2
55°	1346.8	1346.8	1346.8	1361.3	1361.3	1361.3	1351.6	1337.1	1300.6	1242.4	1147.8
57.5°	1101.7	1104.1	1118.6	1121.0	1118.6	1123.5	1121.0	1106.5	1082.3	1041.0	968.2
60°	895.4	895.4	902.7	910.0	907.5	910.0	910.0	902.7	878.4	844.5	786.3
62.5°	708.5	715.8	710.9	715.8	725.5	715.8	710.9	706.1	689.2	667.3	618.8
65°	536.3	541.1	541.1	543.5	538.6	541.1	531.5	524.2	514.5	490.2	458.6
67.5°	407.7	407.7	407.7	407.7	405.2	402.8	400.4	393.1	376.1	366.5	332.4
70°	313.0	298.4	298.4	298.4	298.4	300.9	293.6	284.0	279.1	262.1	237.8
72.5°	208.6	213.5	208.6	208.6	203.9	206.3	196.6	191.7	186.9	177.2	162.6
75°	150.4	138.3	143.1	145.6	138.3	143.1	133.4	123.8	123.8	116.5	109.2
77.5°	97.1	94.7	97.1	99.5	97.1	94.7	89.8	84.9	84.9	82.5	75.2
80°	70.4	67.9	67.9	67.9	65.5	67.9	63.1	63.1	58.2	55.8	50.9
82.5°	46.1	46.1	43.6	46.1	43.6	46.1	38.9	38.9	38.9	36.4	31.6
85°	31.6	26.7	26.7	29.2	24.3	29.2	26.7	24.3	21.9	21.9	19.4
87.5°	14.6	17.0	14.6	17.0	14.6	14.6	17.0	14.6	14.6	9.7	9.7
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°	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6
2.5°	4945.3	4947.7	4947.7	4957.5	4962.3	4964.7	4964.7	4984.2	4976.9	4981.8	4986.6
5°	4875.0	4889.5	4894.4	4894.4	4921.1	4930.7	4940.4	4962.3	4964.7	4979.3	4996.3
7.5°	4807.0	4824.0	4833.8	4855.5	4872.5	4889.5	4918.7	4933.2	4947.7	4967.2	4989.0
10°	4741.5	4760.9	4780.3	4797.3	4824.0	4845.8	4865.2	4899.2	4916.3	4942.9	4972.0
12.5°	4678.4	4705.1	4722.1	4751.2	4780.3	4799.7	4828.9	4860.4	4887.1	4913.8	4947.7
15°	4622.6	4654.2	4673.6	4705.1	4736.7	4763.3	4794.9	4833.8	4853.1	4884.7	4916.3
17.5°	4561.9	4595.9	4620.2	4649.3	4688.1	4717.2	4744.0	4782.7	4807.0	4841.0	4877.4
20°	4498.9	4532.8	4561.9	4591.1	4629.9	4659.0	4690.5	4729.4	4756.1	4790.0	4819.2
22.5°	4423.7	4455.2	4486.7	4520.6	4559.5	4583.8	4620.2	4654.2	4683.2	4714.8	4744.0
25°	4326.6	4365.4	4389.7	4421.2	4452.7	4479.4	4518.2	4552.2	4576.5	4605.6	4632.3
27.5°	4212.5	4241.7	4261.1	4287.7	4319.3	4343.6	4372.6	4406.7	4430.9	4457.6	4477.0
30°	4018.3	4045.1	4062.1	4081.5	4113.0	4134.9	4159.2	4190.6	4207.6	4227.1	4244.1
32.5°	3763.6	3785.4	3795.1	3809.7	3831.6	3853.3	3872.8	3899.5	3906.8	3918.9	3918.9
35°	3394.8	3399.6	3397.2	3402.1	3411.8	3423.9	3440.8	3457.8	3467.5	3467.5	3460.3
37.5°	2962.8	2933.8	2902.2	2877.9	2870.6	2865.7	2875.5	2882.7	2892.5	2897.3	2885.2
40°	2514.0	2448.4	2378.0	2314.9	2271.3	2251.9	2244.6	2249.4	2249.4	2266.4	2266.4
42.5°	2128.1	2026.2	1921.9	1827.2	1764.1	1715.6	1693.8	1693.8	1696.2	1708.3	1715.6
45°	1807.8	1679.2	1557.8	1453.5	1366.1	1303.0	1274.0	1266.7	1264.3	1269.1	1286.0
47.5°	1562.7	1429.3	1303.0	1174.5	1082.3	1019.2	992.5	982.7	973.0	982.7	985.2
50°	1371.0	1232.7	1099.3	970.6	873.5	817.7	783.8	769.2	766.8	766.8	771.7
52.5°	1196.3	1067.7	934.3	803.2	701.3	647.9	616.4	609.1	599.4	609.1	609.1
55°	1031.3	902.7	771.7	647.9	562.9	507.2	478.0	468.3	463.4	470.7	470.7
57.5°	851.8	742.5	621.2	509.6	424.7	385.8	364.0	351.9	349.4	354.3	349.4
60°	698.9	606.7	502.3	400.4	334.9	293.6	276.7	271.8	266.9	271.8	271.8
62.5°	553.2	475.6	390.6	313.0	257.2	228.1	208.6	208.6	206.3	206.3	208.6
65°	410.1	349.4	288.8	223.2	179.6	157.7	143.1	143.1	140.7	143.1	140.7
67.5°	298.4	257.2	208.6	162.6	128.6	116.5	106.8	99.5	104.4	99.5	97.1
70°	218.4	184.4	150.4	123.8	99.5	87.4	80.1	77.6	72.8	72.8	72.8
72.5°	145.6	123.8	101.9	80.1	65.5	53.3	50.9	46.1	41.3	43.6	48.5
75°	97.1	82.5	72.8	58.2	43.6	43.6	29.2	29.2	24.3	29.2	21.9
77.5°	67.9	55.8	43.6	36.4	29.2	26.7	19.4	19.4	17.0	17.0	17.0
80°	48.5	41.3	31.6	26.7	19.4	19.4	17.0	14.6	12.1	12.1	14.6
82.5°	29.2	21.9	21.9	19.4	12.1	9.7	7.3	9.7	4.9	4.9	4.9
85°	17.0	14.6	12.1	7.3	4.9	4.9	2.4	0.0	2.4	2.4	0.0
87.5°	9.7	4.9	4.9	2.4	0.0	2.4	2.4	0.0	0.0	0.0	4.9
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°	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6
2.5°	4998.8	4996.3	5001.2	5001.2	5015.7	5013.2	5020.5	5020.5	5015.7	5018.1	5027.8
5°	5015.7	5023.0	5037.5	5049.7	5071.5	5081.3	5093.3	5105.5	5107.9	5115.2	5122.5
7.5°	5015.7	5040.0	5057.0	5078.8	5107.9	5124.9	5151.6	5173.5	5183.1	5195.2	5209.8
10°	5006.0	5030.2	5061.8	5086.1	5122.5	5149.2	5175.8	5209.8	5224.4	5243.8	5263.2
12.5°	4986.6	5013.2	5047.2	5078.8	5120.0	5144.3	5178.2	5209.8	5231.7	5258.3	5280.2
15°	4957.5	4989.0	5020.5	5052.1	5095.7	5124.9	5156.5	5192.8	5214.7	5243.8	5263.2
17.5°	4911.4	4945.3	4974.5	5003.6	5044.8	5078.8	5107.9	5141.9	5163.8	5188.0	5214.7
20°	4855.5	4887.1	4918.7	4942.9	4984.2	5013.2	5044.8	5076.4	5093.3	5098.2	5139.5
22.5°	4785.2	4807.0	4831.3	4870.1	4894.4	4921.1	4950.2	4979.3	4996.3	5023.0	5037.5
25°	4668.7	4690.5	4717.2	4734.2	4763.3	4785.2	4814.3	4845.8	4855.5	4875.0	4889.5
27.5°	4506.2	4518.2	4530.4	4544.9	4561.9	4574.1	4591.1	4605.6	4615.3	4625.0	4634.7
30°	4248.9	4248.9	4248.9	4239.2	4246.5	4253.8	4256.2	4253.8	4253.8	4251.4	4251.4
32.5°	3909.2	3889.8	3867.9	3848.6	3841.3	3831.6	3826.7	3819.4	3807.3	3800.0	3802.4
35°	3450.5	3406.9	3380.2	3355.9	3336.6	3322.0	3314.7	3307.4	3305.0	3295.3	3285.5
37.5°	2877.9	2846.4	2827.0	2812.4	2795.4	2780.8	2783.2	2785.7	2792.9	2788.1	2790.5
40°	2271.3	2264.0	2271.3	2254.3	2249.4	2254.3	2266.4	2283.4	2293.1	2302.8	2319.8
42.5°	1727.7	1739.8	1756.9	1756.9	1764.1	1773.9	1788.3	1815.1	1829.6	1846.6	1866.0
45°	1300.6	1315.2	1337.1	1344.3	1349.2	1361.3	1378.3	1400.1	1409.8	1424.4	1441.4
47.5°	1002.2	1011.9	1024.0	1036.1	1048.2	1053.1	1070.1	1070.1	1082.3	1092.0	1096.8
50°	781.4	791.0	800.7	808.0	812.9	820.2	825.0	832.3	834.7	839.6	842.0
52.5°	611.5	623.6	623.6	628.4	635.7	643.0	640.6	643.0	645.4	645.4	652.7
55°	478.0	478.0	485.3	485.3	490.2	487.7	490.2	490.2	490.2	490.2	492.6
57.5°	356.7	359.2	366.5	361.6	359.2	364.0	359.2	364.0	361.6	366.5	359.2
60°	274.2	274.2	276.7	276.7	279.1	279.1	279.1	276.7	276.7	274.2	274.2
62.5°	206.3	208.6	211.1	208.6	208.6	208.6	206.3	206.3	203.9	201.4	201.4
65°	138.3	135.9	140.7	135.9	138.3	138.3	135.9	138.3	131.0	133.4	131.0
67.5°	99.5	97.1	94.7	97.1	94.7	92.2	92.2	94.7	97.1	89.8	89.8
70°	65.5	67.9	65.5	67.9	70.4	70.4	67.9	65.5	67.9	63.1	65.5
72.5°	41.3	41.3	41.3	41.3	41.3	43.6	43.6	43.6	38.9	38.9	36.4
75°	19.4	26.7	21.9	19.4	26.7	26.7	24.3	24.3	21.9	21.9	21.9
77.5°	19.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.1	14.6	12.1
80°	9.7	9.7	9.7	7.3	9.7	9.7	12.1	9.7	9.7	7.3	12.1
82.5°	4.9	4.9	4.9	0.0	2.4	4.9	4.9	2.4	4.9	4.9	2.4
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: P248562

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6
2.5°	5025.4	5023.0	5025.4	5027.8	5025.4	5023.0	5025.4	5027.8	5018.1	5015.7	5020.5
5°	5132.2	5132.2	5137.0	5139.5	5137.0	5132.2	5132.2	5122.5	5115.2	5107.9	5105.5
7.5°	5224.4	5229.3	5234.1	5236.5	5234.1	5229.3	5224.4	5209.8	5195.2	5183.1	5173.5
10°	5280.2	5287.5	5297.2	5302.0	5297.2	5287.5	5280.2	5263.2	5243.8	5224.4	5209.8
12.5°	5304.5	5311.8	5323.9	5321.5	5323.9	5311.8	5304.5	5280.2	5258.3	5231.7	5209.8
15°	5287.5	5297.2	5309.3	5314.2	5309.3	5297.2	5287.5	5263.2	5243.8	5214.7	5192.8
17.5°	5234.1	5248.7	5256.0	5263.2	5256.0	5248.7	5234.1	5214.7	5188.0	5163.8	5141.9
20°	5161.3	5171.1	5180.7	5183.1	5180.7	5171.1	5161.3	5139.5	5098.2	5093.3	5076.4
22.5°	5057.0	5064.3	5086.1	5078.8	5086.1	5064.3	5057.0	5037.5	5023.0	4996.3	4979.3
25°	4906.5	4913.8	4916.3	4918.7	4916.3	4913.8	4906.5	4889.5	4875.0	4855.5	4845.8
27.5°	4646.9	4646.9	4651.7	4654.2	4651.7	4646.9	4646.9	4634.7	4625.0	4615.3	4605.6
30°	4253.8	4253.8	4253.8	4265.9	4253.8	4253.8	4253.8	4251.4	4251.4	4253.8	4253.8
32.5°	3800.0	3795.1	3790.3	3795.1	3790.3	3795.1	3800.0	3802.4	3800.0	3807.3	3819.4
35°	3285.5	3283.1	3290.4	3280.7	3290.4	3283.1	3285.5	3285.5	3295.3	3305.0	3307.4
37.5°	2792.9	2788.1	2797.8	2788.1	2797.8	2788.1	2792.9	2790.5	2788.1	2792.9	2785.7
40°	2324.7	2329.5	2329.5	2349.0	2329.5	2329.5	2324.7	2319.8	2302.8	2293.1	2283.4
42.5°	1875.7	1890.3	1885.4	1900.0	1885.4	1890.3	1875.7	1866.0	1846.6	1829.6	1815.1
45°	1451.0	1460.8	1460.8	1465.6	1460.8	1460.8	1451.0	1441.4	1424.4	1409.8	1400.1
47.5°	1113.8	1113.8	1113.8	1116.3	1113.8	1113.8	1113.8	1096.8	1092.0	1082.3	1070.1
50°	846.9	849.3	851.8	854.2	851.8	849.3	846.9	842.0	839.6	834.7	832.3
52.5°	650.3	652.7	647.9	652.7	647.9	652.7	650.3	652.7	645.4	645.4	643.0
55°	492.6	490.2	492.6	495.0	492.6	490.2	492.6	492.6	490.2	490.2	490.2
57.5°	361.6	356.7	356.7	356.7	356.7	356.7	361.6	359.2	366.5	361.6	364.0
60°	269.4	271.8	271.8	274.2	271.8	271.8	269.4	274.2	274.2	276.7	276.7
62.5°	199.0	206.3	201.4	206.3	201.4	206.3	199.0	201.4	201.4	203.9	206.3
65°	128.6	128.6	128.6	131.0	128.6	128.6	128.6	131.0	133.4	131.0	138.3
67.5°	87.4	89.8	94.7	92.2	94.7	89.8	87.4	89.8	89.8	97.1	94.7
70°	70.4	63.1	63.1	70.4	63.1	63.1	70.4	65.5	63.1	67.9	65.5
72.5°	41.3	36.4	41.3	41.3	41.3	36.4	41.3	36.4	38.9	38.9	43.6
75°	21.9	19.4	17.0	24.3	17.0	19.4	21.9	21.9	21.9	21.9	24.3
77.5°	14.6	12.1	17.0	17.0	17.0	12.1	14.6	12.1	14.6	12.1	14.6
80°	7.3	9.7	7.3	12.1	7.3	9.7	7.3	12.1	7.3	9.7	9.7
82.5°	2.4	4.9	4.9	4.9	4.9	4.9	2.4	2.4	4.9	4.9	2.4
85°	0.0	4.9	2.4	2.4	2.4	4.9	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	0.0	2.4	0.0	0.0	2.4	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: P248562

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6
2.5°	5020.5	5013.2	5015.7	5001.2	5001.2	4996.3	4998.8	4986.6	4981.8	4976.9	4984.2
5°	5093.3	5081.3	5071.5	5049.7	5037.5	5023.0	5015.7	4996.3	4979.3	4964.7	4962.3
7.5°	5151.6	5124.9	5107.9	5078.8	5057.0	5040.0	5015.7	4989.0	4967.2	4947.7	4933.2
10°	5175.8	5149.2	5122.5	5086.1	5061.8	5030.2	5006.0	4972.0	4942.9	4916.3	4899.2
12.5°	5178.2	5144.3	5120.0	5078.8	5047.2	5013.2	4986.6	4947.7	4913.8	4887.1	4860.4
15°	5156.5	5124.9	5095.7	5052.1	5020.5	4989.0	4957.5	4916.3	4884.7	4853.1	4833.8
17.5°	5107.9	5078.8	5044.8	5003.6	4974.5	4945.3	4911.4	4877.4	4841.0	4807.0	4782.7
20°	5044.8	5013.2	4984.2	4942.9	4918.7	4887.1	4855.5	4819.2	4790.0	4756.1	4729.4
22.5°	4950.2	4921.1	4894.4	4870.1	4831.3	4807.0	4785.2	4744.0	4714.8	4683.2	4654.2
25°	4814.3	4785.2	4763.3	4734.2	4717.2	4690.5	4668.7	4632.3	4605.6	4576.5	4552.2
27.5°	4591.1	4574.1	4561.9	4544.9	4530.4	4518.2	4506.2	4477.0	4457.6	4430.9	4406.7
30°	4256.2	4253.8	4246.5	4239.2	4248.9	4248.9	4248.9	4244.1	4227.1	4207.6	4190.6
32.5°	3826.7	3831.6	3841.3	3848.6	3867.9	3889.8	3909.2	3918.9	3918.9	3906.8	3899.5
35°	3314.7	3322.0	3336.6	3355.9	3380.2	3406.9	3450.5	3460.3	3467.5	3467.5	3457.8
37.5°	2783.2	2780.8	2795.4	2812.4	2827.0	2846.4	2877.9	2885.2	2897.3	2892.5	2882.7
40°	2266.4	2254.3	2249.4	2254.3	2271.3	2264.0	2271.3	2266.4	2266.4	2249.4	2249.4
42.5°	1788.3	1773.9	1764.1	1756.9	1756.9	1739.8	1727.7	1715.6	1708.3	1696.2	1693.8
45°	1378.3	1361.3	1349.2	1344.3	1337.1	1315.2	1300.6	1286.0	1269.1	1264.3	1266.7
47.5°	1070.1	1053.1	1048.2	1036.1	1024.0	1011.9	1002.2	985.2	982.7	973.0	982.7
50°	825.0	820.2	812.9	808.0	800.7	791.0	781.4	771.7	766.8	766.8	769.2
52.5°	640.6	643.0	635.7	628.4	623.6	623.6	611.5	609.1	609.1	599.4	609.1
55°	490.2	487.7	490.2	485.3	485.3	478.0	478.0	470.7	470.7	463.4	468.3
57.5°	359.2	364.0	359.2	361.6	366.5	359.2	356.7	349.4	354.3	349.4	351.9
60°	279.1	279.1	279.1	276.7	276.7	274.2	274.2	271.8	271.8	266.9	271.8
62.5°	206.3	208.6	208.6	208.6	211.1	208.6	206.3	208.6	206.3	206.3	208.6
65°	135.9	138.3	138.3	135.9	140.7	135.9	138.3	140.7	143.1	140.7	143.1
67.5°	92.2	92.2	94.7	97.1	94.7	97.1	99.5	97.1	99.5	104.4	99.5
70°	67.9	70.4	70.4	67.9	65.5	67.9	65.5	72.8	72.8	72.8	77.6
72.5°	43.6	43.6	41.3	41.3	41.3	41.3	41.3	48.5	43.6	41.3	46.1
75°	24.3	26.7	26.7	19.4	21.9	26.7	19.4	21.9	29.2	24.3	29.2
77.5°	14.6	14.6	14.6	14.6	14.6	14.6	19.4	17.0	17.0	17.0	19.4
80°	12.1	9.7	9.7	7.3	9.7	9.7	9.7	14.6	12.1	12.1	14.6
82.5°	4.9	4.9	2.4	0.0	4.9	4.9	4.9	4.9	4.9	4.9	9.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	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: P248562

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6
2.5°	4964.7	4964.7	4962.3	4957.5	4947.7	4947.7	4945.3	4938.0	4933.2	4930.7	4930.7
5°	4940.4	4930.7	4921.1	4894.4	4894.4	4889.5	4875.0	4865.2	4860.4	4848.2	4843.4
7.5°	4918.7	4889.5	4872.5	4855.5	4833.8	4824.0	4807.0	4799.7	4782.7	4770.6	4763.3
10°	4865.2	4845.8	4824.0	4797.3	4780.3	4760.9	4741.5	4727.0	4705.1	4692.9	4683.2
12.5°	4828.9	4799.7	4780.3	4751.2	4722.1	4705.1	4678.4	4661.5	4639.6	4615.3	4600.7
15°	4794.9	4763.3	4736.7	4705.1	4673.6	4654.2	4622.6	4603.2	4571.7	4547.4	4530.4
17.5°	4744.0	4717.2	4688.1	4649.3	4620.2	4595.9	4561.9	4537.7	4508.6	4477.0	4460.0
20°	4690.5	4659.0	4629.9	4591.1	4561.9	4532.8	4498.9	4472.2	4438.1	4409.1	4389.7
22.5°	4620.2	4583.8	4559.5	4520.6	4486.7	4455.2	4423.7	4392.1	4360.5	4336.3	4314.4
25°	4518.2	4479.4	4452.7	4421.2	4389.7	4365.4	4326.6	4307.2	4275.6	4253.8	4231.9
27.5°	4372.6	4343.6	4319.3	4287.7	4261.1	4241.7	4212.5	4193.1	4166.4	4147.0	4130.0
30°	4159.2	4134.9	4113.0	4081.5	4062.1	4045.1	4018.3	4001.4	3982.0	3960.1	3955.3
32.5°	3872.8	3853.3	3831.6	3809.7	3795.1	3785.4	3763.6	3753.9	3734.5	3722.3	3710.2
35°	3440.8	3423.9	3411.8	3402.1	3397.2	3399.6	3394.8	3404.5	3409.3	3406.9	3409.3
37.5°	2875.5	2865.7	2870.6	2877.9	2902.2	2933.8	2962.8	3006.5	3035.6	3064.8	3091.5
40°	2244.6	2251.9	2271.3	2314.9	2378.0	2448.4	2514.0	2596.5	2679.0	2737.2	2790.5
42.5°	1693.8	1715.6	1764.1	1827.2	1921.9	2026.2	2128.1	2249.4	2349.0	2445.9	2514.0
45°	1274.0	1303.0	1366.1	1453.5	1557.8	1679.2	1807.8	1943.7	2062.6	2162.1	2237.3
47.5°	992.5	1019.2	1082.3	1174.5	1303.0	1429.3	1562.7	1703.4	1827.2	1924.3	1989.8
50°	783.8	817.7	873.5	970.6	1099.3	1232.7	1371.0	1509.3	1625.8	1708.3	1766.6
52.5°	616.4	647.9	701.3	803.2	934.3	1067.7	1196.3	1332.2	1434.1	1514.2	1553.0
55°	478.0	507.2	562.9	647.9	771.7	902.7	1031.3	1147.8	1242.4	1300.6	1337.1
57.5°	364.0	385.8	424.7	509.6	621.2	742.5	851.8	968.2	1041.0	1082.3	1106.5
60°	276.7	293.6	334.9	400.4	502.3	606.7	698.9	786.3	844.5	878.4	902.7
62.5°	208.6	228.1	257.2	313.0	390.6	475.6	553.2	618.8	667.3	689.2	706.1
65°	143.1	157.7	179.6	223.2	288.8	349.4	410.1	458.6	490.2	514.5	524.2
67.5°	106.8	116.5	128.6	162.6	208.6	257.2	298.4	332.4	366.5	376.1	393.1
70°	80.1	87.4	99.5	123.8	150.4	184.4	218.4	237.8	262.1	279.1	284.0
72.5°	50.9	53.3	65.5	80.1	101.9	123.8	145.6	162.6	177.2	186.9	191.7
75°	29.2	43.6	43.6	58.2	72.8	82.5	97.1	109.2	116.5	123.8	123.8
77.5°	19.4	26.7	29.2	36.4	43.6	55.8	67.9	75.2	82.5	84.9	84.9
80°	17.0	19.4	19.4	26.7	31.6	41.3	48.5	50.9	55.8	58.2	63.1
82.5°	7.3	9.7	12.1	19.4	21.9	21.9	29.2	31.6	36.4	38.9	38.9
85°	2.4	4.9	4.9	7.3	12.1	14.6	17.0	19.4	21.9	21.9	24.3
87.5°	2.4	2.4	0.0	2.4	4.9	4.9	9.7	9.7	9.7	14.6	14.6
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: P248562

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6	4969.6
2.5°	4926.0	4928.3	4918.7	4916.3	4911.4	4913.8	4918.7
5°	4836.2	4838.6	4828.9	4819.2	4819.2	4816.7	4819.2
7.5°	4751.2	4753.7	4739.1	4734.2	4724.5	4727.0	4727.0
10°	4666.3	4666.3	4644.5	4642.0	4634.7	4632.3	4632.3
12.5°	4583.8	4576.5	4559.5	4549.8	4554.7	4540.1	4540.1
15°	4511.0	4498.9	4477.0	4469.7	4457.6	4452.7	4452.7
17.5°	4435.7	4426.1	4406.7	4392.1	4377.5	4375.1	4377.5
20°	4362.9	4353.2	4329.0	4319.3	4307.2	4307.2	4302.3
22.5°	4290.1	4280.4	4258.7	4251.4	4234.4	4234.4	4236.8
25°	4214.9	4207.6	4183.3	4178.6	4176.2	4166.4	4171.3
27.5°	4113.0	4108.1	4088.8	4081.5	4071.8	4069.4	4074.2
30°	3926.2	3918.9	3904.4	3897.1	3880.1	3882.5	3887.3
32.5°	3693.2	3683.6	3664.1	3656.8	3642.3	3637.4	3639.8
35°	3402.1	3394.8	3377.8	3377.8	3363.2	3358.3	3363.2
37.5°	3106.0	3113.2	3106.0	3113.2	3106.0	3103.6	3106.0
40°	2827.0	2853.7	2858.4	2885.2	2875.5	2890.0	2887.6
42.5°	2560.0	2603.7	2620.7	2642.5	2637.7	2647.4	2654.7
45°	2290.6	2327.1	2344.1	2358.7	2361.0	2365.9	2368.3
47.5°	2035.8	2065.0	2067.4	2084.4	2082.0	2082.0	2089.3
50°	1798.1	1817.5	1822.3	1834.5	1824.8	1819.9	1822.3
52.5°	1577.3	1596.7	1591.8	1596.7	1584.6	1579.7	1582.1
55°	1351.6	1361.3	1361.3	1361.3	1346.8	1346.8	1346.8
57.5°	1121.0	1123.5	1118.6	1121.0	1118.6	1104.1	1101.7
60°	910.0	910.0	907.5	910.0	902.7	895.4	895.4
62.5°	710.9	715.8	725.5	715.8	710.9	715.8	708.5
65°	531.5	541.1	538.6	543.5	541.1	541.1	536.3
67.5°	400.4	402.8	405.2	407.7	407.7	407.7	407.7
70°	293.6	300.9	298.4	298.4	298.4	298.4	313.0
72.5°	196.6	206.3	203.9	208.6	208.6	213.5	208.6
75°	133.4	143.1	138.3	145.6	143.1	138.3	150.4
77.5°	89.8	94.7	97.1	99.5	97.1	94.7	97.1
80°	63.1	67.9	65.5	67.9	67.9	67.9	70.4
82.5°	38.9	46.1	43.6	46.1	43.6	46.1	46.1
85°	26.7	29.2	24.3	29.2	26.7	26.7	31.6
87.5°	17.0	14.6	14.6	17.0	14.6	17.0	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)