

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: P248646

Luminaire Tested: **LD8B120D010 ER8B1209730 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248646
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: LD8B120D010 ER8B1209730 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9084.0 lumens
Efficiency: N/A
Efficacy: 76.8 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

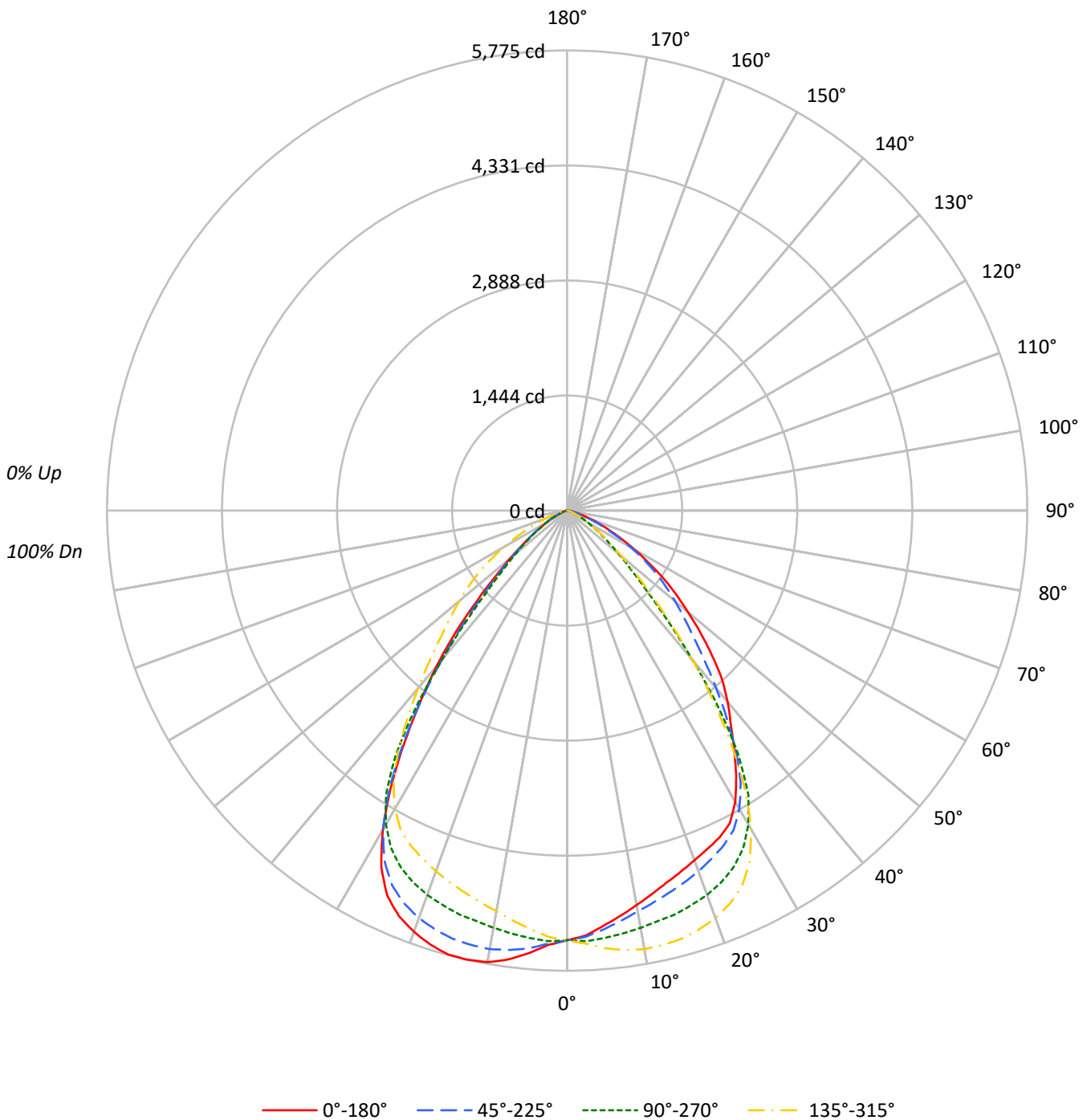
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	513.3	5.7
10°-20°	1486.4	16.4
20°-30°	2250.8	24.8
30°-40°	2255.8	24.8
40°-50°	1416.5	15.6
50°-60°	754.9	8.3
60°-70°	310.4	3.4
70°-80°	82.0	0.9
80°-90°	13.9	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°	4250.5	46.8
0°-40°	6506.3	71.6
0°-60°	8677.7	95.5
0°-90°	9084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9084.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5393	5393	5393	5393	5393	
5°	5230	5385	5577	5385	5230	493
15°	4832	5246	5767	5246	4832	1367
25°	4526	4940	5338	4940	4526	2076
35°	3650	3752	3560	3752	3650	2287
45°	2570	1375	1590	1375	2570	1977
55°	1462	508	537	508	1462	1303
65°	582	155	142	155	582	604
75°	163	32	26	32	163	185
85°	34	0	3	0	34	38
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°	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9
2.5°	5337.6	5332.3	5329.7	5335.0	5337.6	5348.1	5345.5	5350.7	5350.7	5353.4	5358.6
5°	5229.7	5226.9	5229.7	5229.7	5240.2	5250.7	5248.1	5256.0	5261.2	5274.4	5279.6
7.5°	5129.6	5129.6	5126.9	5137.4	5142.7	5158.6	5155.8	5169.1	5177.0	5190.1	5208.5
10°	5026.9	5026.9	5029.5	5037.4	5040.1	5063.7	5063.7	5082.1	5092.7	5105.9	5129.6
12.5°	4926.8	4926.8	4942.6	4937.3	4947.8	4966.3	4974.2	4992.6	5008.4	5034.8	5058.5
15°	4832.0	4832.0	4837.3	4850.4	4858.3	4882.1	4895.2	4916.3	4934.7	4961.1	4995.3
17.5°	4750.4	4747.8	4750.4	4766.2	4782.0	4803.0	4813.6	4839.9	4858.3	4892.6	4924.2
20°	4668.8	4674.1	4674.1	4687.2	4697.7	4724.0	4734.5	4763.6	4784.6	4816.2	4853.1
22.5°	4597.7	4595.0	4595.0	4613.5	4621.4	4645.0	4655.5	4681.9	4705.6	4731.9	4766.2
25°	4526.5	4521.2	4531.9	4534.5	4539.7	4566.0	4573.9	4592.3	4616.1	4639.8	4674.1
27.5°	4421.2	4416.0	4418.6	4429.1	4437.0	4458.0	4463.4	4481.8	4500.2	4521.2	4550.3
30°	4218.4	4213.2	4210.6	4229.0	4236.9	4252.7	4260.6	4292.2	4297.4	4321.2	4342.2
32.5°	3949.8	3947.2	3952.5	3968.2	3976.2	3997.3	4007.8	4026.2	4039.4	4052.6	4073.6
35°	3649.7	3644.4	3649.7	3665.5	3665.5	3684.0	3691.9	3699.7	3697.1	3699.7	3694.5
37.5°	3370.6	3367.9	3370.6	3378.4	3370.6	3378.4	3370.6	3354.8	3325.8	3294.2	3262.5
40°	3133.6	3136.2	3120.4	3131.0	3101.9	3096.7	3067.8	3028.2	2970.3	2907.1	2817.6
42.5°	2880.8	2872.9	2862.4	2867.6	2844.0	2825.4	2778.1	2728.1	2654.3	2549.0	2441.0
45°	2570.1	2567.5	2562.2	2559.5	2543.7	2525.3	2485.7	2427.9	2346.2	2238.3	2109.2
47.5°	2267.2	2259.3	2259.3	2261.9	2243.5	2240.9	2209.2	2159.3	2088.2	1982.8	1848.5
50°	1977.5	1974.9	1980.2	1990.7	1977.5	1972.3	1951.3	1917.0	1853.8	1764.3	1637.8
52.5°	1716.8	1714.2	1719.6	1732.7	1727.4	1732.7	1711.6	1685.3	1643.1	1556.2	1445.7
55°	1461.5	1461.5	1461.5	1477.2	1477.2	1477.2	1466.7	1451.0	1411.4	1348.2	1245.6
57.5°	1195.5	1198.1	1213.9	1216.5	1213.9	1219.2	1216.5	1200.7	1174.5	1129.7	1050.7
60°	971.7	971.7	979.6	987.5	984.8	987.5	987.5	979.6	953.3	916.4	853.2
62.5°	768.9	776.8	771.5	776.8	787.3	776.8	771.5	766.3	747.9	724.1	671.5
65°	581.9	587.2	587.2	589.8	584.5	587.2	576.7	568.8	558.3	532.0	497.7
67.5°	442.4	442.4	442.4	442.4	439.7	437.1	434.5	426.6	408.2	397.7	360.7
70°	339.7	323.9	323.9	323.9	323.9	326.6	318.7	308.1	302.8	284.4	258.1
72.5°	226.4	231.7	226.4	226.4	221.2	223.8	213.3	208.0	202.8	192.3	176.5
75°	163.2	150.1	155.3	158.0	150.1	155.3	144.8	134.3	134.3	126.4	118.5
77.5°	105.4	102.8	105.4	108.0	105.4	102.8	97.4	92.1	92.1	89.5	81.6
80°	76.4	73.7	73.7	73.7	71.1	73.7	68.5	68.5	63.2	60.6	55.3
82.5°	50.1	50.1	47.4	50.1	47.4	50.1	42.2	42.2	42.2	39.5	34.3
85°	34.3	28.9	28.9	31.6	26.3	31.6	28.9	26.3	23.7	23.7	21.0
87.5°	15.8	18.4	15.8	18.4	15.8	15.8	18.4	15.8	15.8	10.5	10.5
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°	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9
2.5°	5366.5	5369.1	5369.1	5379.8	5385.0	5387.6	5387.6	5408.7	5400.8	5406.1	5411.3
5°	5290.2	5306.0	5311.3	5311.3	5340.2	5350.7	5361.2	5385.0	5387.6	5403.4	5421.8
7.5°	5216.4	5234.9	5245.5	5269.1	5287.5	5306.0	5337.6	5353.4	5369.1	5390.3	5413.9
10°	5145.3	5166.5	5187.5	5205.9	5234.9	5258.6	5279.6	5316.5	5335.0	5363.9	5395.5
12.5°	5076.9	5105.9	5124.3	5155.8	5187.5	5208.5	5240.2	5274.4	5303.4	5332.3	5369.1
15°	5016.3	5050.6	5071.6	5105.9	5140.1	5169.1	5203.3	5245.5	5266.5	5300.8	5335.0
17.5°	4950.4	4987.4	5013.7	5045.3	5087.4	5119.0	5148.0	5190.1	5216.4	5253.3	5292.8
20°	4882.1	4918.9	4950.4	4982.1	5024.3	5055.8	5090.1	5132.2	5161.2	5198.0	5229.7
22.5°	4800.4	4834.7	4868.8	4905.7	4947.8	4974.2	5013.7	5050.6	5082.1	5116.4	5148.0
25°	4695.1	4737.3	4763.6	4797.7	4832.0	4860.9	4903.1	4939.9	4966.3	4997.9	5026.9
27.5°	4571.3	4603.0	4624.0	4652.9	4687.2	4713.5	4745.1	4782.0	4808.4	4837.3	4858.3
30°	4360.6	4389.7	4408.1	4429.1	4463.4	4487.1	4513.4	4547.6	4566.0	4587.1	4605.6
32.5°	4084.1	4107.9	4118.4	4134.2	4157.9	4181.6	4202.7	4231.6	4239.5	4252.7	4252.7
35°	3684.0	3689.2	3686.6	3691.9	3702.4	3715.5	3733.9	3752.3	3762.9	3762.9	3755.1
37.5°	3215.2	3183.6	3149.4	3123.1	3115.1	3109.8	3120.4	3128.3	3138.9	3144.1	3131.0
40°	2728.1	2657.0	2580.6	2512.1	2464.7	2443.7	2435.8	2441.0	2441.0	2459.4	2459.4
42.5°	2309.4	2198.7	2085.6	1982.8	1914.3	1861.8	1838.0	1838.0	1840.6	1853.8	1861.8
45°	1961.8	1822.2	1690.5	1577.4	1482.5	1414.0	1382.5	1374.6	1372.0	1377.2	1395.6
47.5°	1695.8	1551.0	1414.0	1274.5	1174.5	1106.0	1077.0	1066.4	1055.9	1066.4	1069.1
50°	1487.8	1337.7	1192.9	1053.3	947.9	887.4	850.5	834.7	832.1	832.1	837.4
52.5°	1298.1	1158.7	1013.8	871.6	761.0	703.1	668.9	660.9	650.4	660.9	660.9
55°	1119.1	979.6	837.4	703.1	610.9	550.4	518.7	508.2	502.9	510.8	510.8
57.5°	924.3	805.7	674.2	553.0	460.9	418.7	395.0	381.8	379.1	384.4	379.1
60°	758.4	658.3	545.1	434.5	363.4	318.7	300.2	294.9	289.6	294.9	294.9
62.5°	600.4	516.1	423.9	339.7	279.1	247.6	226.4	226.4	223.8	223.8	226.4
65°	445.0	379.1	313.3	242.2	194.9	171.1	155.3	155.3	152.7	155.3	152.7
67.5°	323.9	279.1	226.4	176.5	139.6	126.4	115.9	108.0	113.3	108.0	105.4
70°	237.0	200.1	163.2	134.3	108.0	94.8	86.9	84.2	79.0	79.0	79.0
72.5°	158.0	134.3	110.6	86.9	71.1	57.9	55.3	50.1	44.8	47.4	52.7
75°	105.4	89.5	79.0	63.2	47.4	47.4	31.6	31.6	26.3	31.6	23.7
77.5°	73.7	60.6	47.4	39.5	31.6	28.9	21.0	21.0	18.4	18.4	18.4
80°	52.7	44.8	34.3	28.9	21.0	21.0	18.4	15.8	13.1	13.1	15.8
82.5°	31.6	23.7	23.7	21.0	13.1	10.5	7.9	10.5	5.3	5.3	5.3
85°	18.4	15.8	13.1	7.9	5.3	5.3	2.6	0.0	2.6	2.6	0.0
87.5°	10.5	5.3	5.3	2.6	0.0	2.6	2.6	0.0	0.0	0.0	5.3
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°	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9
2.5°	5424.5	5421.8	5427.1	5427.1	5443.0	5440.2	5448.2	5448.2	5443.0	5445.6	5456.1
5°	5443.0	5450.9	5466.6	5479.8	5503.4	5514.1	5527.2	5540.4	5543.0	5550.9	5558.8
7.5°	5443.0	5469.3	5487.7	5511.3	5543.0	5561.4	5590.4	5614.1	5624.6	5637.7	5653.6
10°	5432.3	5458.7	5492.9	5519.3	5558.8	5587.8	5616.7	5653.6	5669.4	5690.4	5711.5
12.5°	5411.3	5440.2	5477.1	5511.3	5556.1	5582.5	5619.3	5653.6	5677.3	5706.2	5730.0
15°	5379.8	5413.9	5448.2	5482.4	5529.8	5561.4	5595.7	5635.1	5658.9	5690.4	5711.5
17.5°	5329.7	5366.5	5398.2	5429.7	5474.5	5511.3	5543.0	5579.8	5603.6	5629.9	5658.9
20°	5269.1	5303.4	5337.6	5363.9	5408.7	5440.2	5474.5	5508.7	5527.2	5532.5	5577.2
22.5°	5192.8	5216.4	5242.8	5284.9	5311.3	5340.2	5371.9	5403.4	5421.8	5450.9	5466.6
25°	5066.3	5090.1	5119.0	5137.4	5169.1	5192.8	5224.3	5258.6	5269.1	5290.2	5306.0
27.5°	4890.0	4903.1	4916.3	4932.0	4950.4	4963.7	4982.1	4997.9	5008.4	5018.9	5029.5
30°	4610.8	4610.8	4610.8	4600.3	4608.2	4616.1	4618.7	4616.1	4616.1	4613.5	4613.5
32.5°	4242.1	4221.1	4197.4	4176.4	4168.4	4157.9	4152.6	4144.7	4131.6	4123.7	4126.3
35°	3744.4	3697.1	3668.1	3641.8	3620.8	3604.9	3597.0	3589.1	3586.5	3576.0	3565.4
37.5°	3123.1	3088.8	3067.8	3051.9	3033.5	3017.7	3020.3	3023.0	3030.8	3025.6	3028.2
40°	2464.7	2456.8	2464.7	2446.3	2441.0	2446.3	2459.4	2477.9	2488.4	2499.0	2517.4
42.5°	1874.9	1888.0	1906.5	1906.5	1914.3	1924.9	1940.7	1969.7	1985.4	2003.9	2025.0
45°	1411.4	1427.2	1451.0	1458.8	1464.1	1477.2	1495.7	1519.4	1529.9	1545.7	1564.1
47.5°	1087.6	1098.1	1111.2	1124.4	1137.5	1142.8	1161.3	1161.3	1174.5	1185.0	1190.2
50°	847.9	858.4	868.9	876.8	882.2	890.1	895.3	903.2	905.8	911.1	913.7
52.5°	663.5	676.8	676.8	682.0	689.9	697.8	695.2	697.8	700.4	700.4	708.3
55°	518.7	518.7	526.7	526.7	532.0	529.3	532.0	532.0	532.0	532.0	534.6
57.5°	387.0	389.8	397.7	392.4	389.8	395.0	389.8	395.0	392.4	397.7	389.8
60°	297.5	297.5	300.2	300.2	302.8	302.8	302.8	300.2	300.2	297.5	297.5
62.5°	223.8	226.4	229.1	226.4	226.4	226.4	223.8	223.8	221.2	218.5	218.5
65°	150.1	147.5	152.7	147.5	150.1	150.1	147.5	150.1	142.2	144.8	142.2
67.5°	108.0	105.4	102.8	105.4	102.8	100.0	100.0	102.8	105.4	97.4	97.4
70°	71.1	73.7	71.1	73.7	76.4	76.4	73.7	71.1	73.7	68.5	71.1
72.5°	44.8	44.8	44.8	44.8	44.8	47.4	47.4	47.4	42.2	42.2	39.5
75°	21.0	28.9	23.7	21.0	28.9	28.9	26.3	26.3	23.7	23.7	23.7
77.5°	21.0	15.8	15.8	15.8	15.8	15.8	15.8	15.8	13.1	15.8	13.1
80°	10.5	10.5	10.5	7.9	10.5	10.5	13.1	10.5	10.5	7.9	13.1
82.5°	5.3	5.3	5.3	0.0	2.6	5.3	5.3	2.6	5.3	5.3	2.6
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: P248646

CATALOG NUMBER: LD8B120D010 ER8B1209730 8LBSWOH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9
2.5°	5453.5	5450.9	5453.5	5456.1	5453.5	5450.9	5453.5	5456.1	5445.6	5443.0	5448.2
5°	5569.3	5569.3	5574.5	5577.2	5574.5	5569.3	5569.3	5558.8	5550.9	5543.0	5540.4
7.5°	5669.4	5674.7	5679.9	5682.5	5679.9	5674.7	5669.4	5653.6	5637.7	5624.6	5614.1
10°	5730.0	5737.9	5748.4	5753.6	5748.4	5737.9	5730.0	5711.5	5690.4	5669.4	5653.6
12.5°	5756.3	5764.2	5777.3	5774.7	5777.3	5764.2	5756.3	5730.0	5706.2	5677.3	5653.6
15°	5737.9	5748.4	5761.5	5766.8	5761.5	5748.4	5737.9	5711.5	5690.4	5658.9	5635.1
17.5°	5679.9	5695.7	5703.6	5711.5	5703.6	5695.7	5679.9	5658.9	5629.9	5603.6	5579.8
20°	5600.9	5611.5	5622.0	5624.6	5622.0	5611.5	5600.9	5577.2	5532.5	5527.2	5508.7
22.5°	5487.7	5495.6	5519.3	5511.3	5519.3	5495.6	5487.7	5466.6	5450.9	5421.8	5403.4
25°	5324.4	5332.3	5335.0	5337.6	5335.0	5332.3	5324.4	5306.0	5290.2	5269.1	5258.6
27.5°	5042.7	5042.7	5047.9	5050.6	5047.9	5042.7	5042.7	5029.5	5018.9	5008.4	4997.9
30°	4616.1	4616.1	4616.1	4629.3	4616.1	4616.1	4616.1	4613.5	4613.5	4616.1	4616.1
32.5°	4123.7	4118.4	4113.2	4118.4	4113.2	4118.4	4123.7	4126.3	4123.7	4131.6	4144.7
35°	3565.4	3562.8	3570.7	3560.2	3570.7	3562.8	3565.4	3565.4	3576.0	3586.5	3589.1
37.5°	3030.8	3025.6	3036.1	3025.6	3036.1	3025.6	3030.8	3028.2	3025.6	3030.8	3023.0
40°	2522.7	2527.9	2527.9	2549.0	2527.9	2527.9	2522.7	2517.4	2499.0	2488.4	2477.9
42.5°	2035.5	2051.3	2046.0	2061.8	2046.0	2051.3	2035.5	2025.0	2003.9	1985.4	1969.7
45°	1574.6	1585.3	1585.3	1590.5	1585.3	1585.3	1574.6	1564.1	1545.7	1529.9	1519.4
47.5°	1208.6	1208.6	1208.6	1211.3	1208.6	1208.6	1208.6	1190.2	1185.0	1174.5	1161.3
50°	919.0	921.6	924.3	926.9	924.3	921.6	919.0	913.7	911.1	905.8	903.2
52.5°	705.7	708.3	703.1	708.3	703.1	708.3	705.7	708.3	700.4	700.4	697.8
55°	534.6	532.0	534.6	537.2	534.6	532.0	534.6	534.6	532.0	532.0	532.0
57.5°	392.4	387.0	387.0	387.0	387.0	387.0	392.4	389.8	397.7	392.4	395.0
60°	292.3	294.9	294.9	297.5	294.9	294.9	292.3	297.5	297.5	300.2	300.2
62.5°	215.9	223.8	218.5	223.8	218.5	223.8	215.9	218.5	218.5	221.2	223.8
65°	139.6	139.6	139.6	142.2	139.6	139.6	139.6	142.2	144.8	142.2	150.1
67.5°	94.8	97.4	102.8	100.0	102.8	97.4	94.8	97.4	97.4	105.4	102.8
70°	76.4	68.5	68.5	76.4	68.5	68.5	76.4	71.1	68.5	73.7	71.1
72.5°	44.8	39.5	44.8	44.8	44.8	39.5	44.8	39.5	42.2	42.2	47.4
75°	23.7	21.0	18.4	26.3	18.4	21.0	23.7	23.7	23.7	23.7	26.3
77.5°	15.8	13.1	18.4	18.4	18.4	13.1	15.8	13.1	15.8	13.1	15.8
80°	7.9	10.5	7.9	13.1	7.9	10.5	7.9	13.1	7.9	10.5	10.5
82.5°	2.6	5.3	5.3	5.3	5.3	5.3	2.6	2.6	5.3	5.3	2.6
85°	0.0	5.3	2.6	2.6	2.6	5.3	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	0.0	0.0	2.6	0.0	0.0	2.6	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: P248646

CATALOG NUMBER: LD8B120D010 ER8B1209730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9
2.5°	5448.2	5440.2	5443.0	5427.1	5427.1	5421.8	5424.5	5411.3	5406.1	5400.8	5408.7
5°	5527.2	5514.1	5503.4	5479.8	5466.6	5450.9	5443.0	5421.8	5403.4	5387.6	5385.0
7.5°	5590.4	5561.4	5543.0	5511.3	5487.7	5469.3	5443.0	5413.9	5390.3	5369.1	5353.4
10°	5616.7	5587.8	5558.8	5519.3	5492.9	5458.7	5432.3	5395.5	5363.9	5335.0	5316.5
12.5°	5619.3	5582.5	5556.1	5511.3	5477.1	5440.2	5411.3	5369.1	5332.3	5303.4	5274.4
15°	5595.7	5561.4	5529.8	5482.4	5448.2	5413.9	5379.8	5335.0	5300.8	5266.5	5245.5
17.5°	5543.0	5511.3	5474.5	5429.7	5398.2	5366.5	5329.7	5292.8	5253.3	5216.4	5190.1
20°	5474.5	5440.2	5408.7	5363.9	5337.6	5303.4	5269.1	5229.7	5198.0	5161.2	5132.2
22.5°	5371.9	5340.2	5311.3	5284.9	5242.8	5216.4	5192.8	5148.0	5116.4	5082.1	5050.6
25°	5224.3	5192.8	5169.1	5137.4	5119.0	5090.1	5066.3	5026.9	4997.9	4966.3	4939.9
27.5°	4982.1	4963.7	4950.4	4932.0	4916.3	4903.1	4890.0	4858.3	4837.3	4808.4	4782.0
30°	4618.7	4616.1	4608.2	4600.3	4610.8	4610.8	4610.8	4605.6	4587.1	4566.0	4547.6
32.5°	4152.6	4157.9	4168.4	4176.4	4197.4	4221.1	4242.1	4252.7	4252.7	4239.5	4231.6
35°	3597.0	3604.9	3620.8	3641.8	3668.1	3697.1	3744.4	3755.1	3762.9	3762.9	3752.3
37.5°	3020.3	3017.7	3033.5	3051.9	3067.8	3088.8	3123.1	3131.0	3144.1	3138.9	3128.3
40°	2459.4	2446.3	2441.0	2446.3	2464.7	2456.8	2464.7	2459.4	2459.4	2441.0	2441.0
42.5°	1940.7	1924.9	1914.3	1906.5	1906.5	1888.0	1874.9	1861.8	1853.8	1840.6	1838.0
45°	1495.7	1477.2	1464.1	1458.8	1451.0	1427.2	1411.4	1395.6	1377.2	1372.0	1374.6
47.5°	1161.3	1142.8	1137.5	1124.4	1111.2	1098.1	1087.6	1069.1	1066.4	1055.9	1066.4
50°	895.3	890.1	882.2	876.8	868.9	858.4	847.9	837.4	832.1	832.1	834.7
52.5°	695.2	697.8	689.9	682.0	676.8	676.8	663.5	660.9	660.9	650.4	660.9
55°	532.0	529.3	532.0	526.7	526.7	518.7	518.7	510.8	510.8	502.9	508.2
57.5°	389.8	395.0	389.8	392.4	397.7	389.8	387.0	379.1	384.4	379.1	381.8
60°	302.8	302.8	302.8	300.2	300.2	297.5	297.5	294.9	294.9	289.6	294.9
62.5°	223.8	226.4	226.4	226.4	229.1	226.4	223.8	226.4	223.8	223.8	226.4
65°	147.5	150.1	150.1	147.5	152.7	147.5	150.1	152.7	155.3	152.7	155.3
67.5°	100.0	100.0	102.8	105.4	102.8	105.4	108.0	105.4	108.0	113.3	108.0
70°	73.7	76.4	76.4	73.7	71.1	73.7	71.1	79.0	79.0	79.0	84.2
72.5°	47.4	47.4	44.8	44.8	44.8	44.8	44.8	52.7	47.4	44.8	50.1
75°	26.3	28.9	28.9	21.0	23.7	28.9	21.0	23.7	31.6	26.3	31.6
77.5°	15.8	15.8	15.8	15.8	15.8	15.8	21.0	18.4	18.4	18.4	21.0
80°	13.1	10.5	10.5	7.9	10.5	10.5	10.5	15.8	13.1	13.1	15.8
82.5°	5.3	5.3	2.6	0.0	5.3	5.3	5.3	5.3	5.3	5.3	10.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	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: P248646

CATALOG NUMBER: LD8B120D010 ER8B1209730 8LBSWOH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9
2.5°	5387.6	5387.6	5385.0	5379.8	5369.1	5369.1	5366.5	5358.6	5353.4	5350.7	5350.7
5°	5361.2	5350.7	5340.2	5311.3	5311.3	5306.0	5290.2	5279.6	5274.4	5261.2	5256.0
7.5°	5337.6	5306.0	5287.5	5269.1	5245.5	5234.9	5216.4	5208.5	5190.1	5177.0	5169.1
10°	5279.6	5258.6	5234.9	5205.9	5187.5	5166.5	5145.3	5129.6	5105.9	5092.7	5082.1
12.5°	5240.2	5208.5	5187.5	5155.8	5124.3	5105.9	5076.9	5058.5	5034.8	5008.4	4992.6
15°	5203.3	5169.1	5140.1	5105.9	5071.6	5050.6	5016.3	4995.3	4961.1	4934.7	4916.3
17.5°	5148.0	5119.0	5087.4	5045.3	5013.7	4987.4	4950.4	4924.2	4892.6	4858.3	4839.9
20°	5090.1	5055.8	5024.3	4982.1	4950.4	4918.9	4882.1	4853.1	4816.2	4784.6	4763.6
22.5°	5013.7	4974.2	4947.8	4905.7	4868.8	4834.7	4800.4	4766.2	4731.9	4705.6	4681.9
25°	4903.1	4860.9	4832.0	4797.7	4763.6	4737.3	4695.1	4674.1	4639.8	4616.1	4592.3
27.5°	4745.1	4713.5	4687.2	4652.9	4624.0	4603.0	4571.3	4550.3	4521.2	4500.2	4481.8
30°	4513.4	4487.1	4463.4	4429.1	4408.1	4389.7	4360.6	4342.2	4321.2	4297.4	4292.2
32.5°	4202.7	4181.6	4157.9	4134.2	4118.4	4107.9	4084.1	4073.6	4052.6	4039.4	4026.2
35°	3733.9	3715.5	3702.4	3691.9	3686.6	3689.2	3684.0	3694.5	3699.7	3697.1	3699.7
37.5°	3120.4	3109.8	3115.1	3123.1	3149.4	3183.6	3215.2	3262.5	3294.2	3325.8	3354.8
40°	2435.8	2443.7	2464.7	2512.1	2580.6	2657.0	2728.1	2817.6	2907.1	2970.3	3028.2
42.5°	1838.0	1861.8	1914.3	1982.8	2085.6	2198.7	2309.4	2441.0	2549.0	2654.3	2728.1
45°	1382.5	1414.0	1482.5	1577.4	1690.5	1822.2	1961.8	2109.2	2238.3	2346.2	2427.9
47.5°	1077.0	1106.0	1174.5	1274.5	1414.0	1551.0	1695.8	1848.5	1982.8	2088.2	2159.3
50°	850.5	887.4	947.9	1053.3	1192.9	1337.7	1487.8	1637.8	1764.3	1853.8	1917.0
52.5°	668.9	703.1	761.0	871.6	1013.8	1158.7	1298.1	1445.7	1556.2	1643.1	1685.3
55°	518.7	550.4	610.9	703.1	837.4	979.6	1119.1	1245.6	1348.2	1411.4	1451.0
57.5°	395.0	418.7	460.9	553.0	674.2	805.7	924.3	1050.7	1129.7	1174.5	1200.7
60°	300.2	318.7	363.4	434.5	545.1	658.3	758.4	853.2	916.4	953.3	979.6
62.5°	226.4	247.6	279.1	339.7	423.9	516.1	600.4	671.5	724.1	747.9	766.3
65°	155.3	171.1	194.9	242.2	313.3	379.1	445.0	497.7	532.0	558.3	568.8
67.5°	115.9	126.4	139.6	176.5	226.4	279.1	323.9	360.7	397.7	408.2	426.6
70°	86.9	94.8	108.0	134.3	163.2	200.1	237.0	258.1	284.4	302.8	308.1
72.5°	55.3	57.9	71.1	86.9	110.6	134.3	158.0	176.5	192.3	202.8	208.0
75°	31.6	47.4	47.4	63.2	79.0	89.5	105.4	118.5	126.4	134.3	134.3
77.5°	21.0	28.9	31.6	39.5	47.4	60.6	73.7	81.6	89.5	92.1	92.1
80°	18.4	21.0	21.0	28.9	34.3	44.8	52.7	55.3	60.6	63.2	68.5
82.5°	7.9	10.5	13.1	21.0	23.7	23.7	31.6	34.3	39.5	42.2	42.2
85°	2.6	5.3	5.3	7.9	13.1	15.8	18.4	21.0	23.7	23.7	26.3
87.5°	2.6	2.6	0.0	2.6	5.3	5.3	10.5	10.5	10.5	15.8	15.8
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: P248646

CATALOG NUMBER: LD8B120D010 ER8B1209730 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9	5392.9
2.5°	5345.5	5348.1	5337.6	5335.0	5329.7	5332.3	5337.6
5°	5248.1	5250.7	5240.2	5229.7	5229.7	5226.9	5229.7
7.5°	5155.8	5158.6	5142.7	5137.4	5126.9	5129.6	5129.6
10°	5063.7	5063.7	5040.1	5037.4	5029.5	5026.9	5026.9
12.5°	4974.2	4966.3	4947.8	4937.3	4942.6	4926.8	4926.8
15°	4895.2	4882.1	4858.3	4850.4	4837.3	4832.0	4832.0
17.5°	4813.6	4803.0	4782.0	4766.2	4750.4	4747.8	4750.4
20°	4734.5	4724.0	4697.7	4687.2	4674.1	4674.1	4668.8
22.5°	4655.5	4645.0	4621.4	4613.5	4595.0	4595.0	4597.7
25°	4573.9	4566.0	4539.7	4534.5	4531.9	4521.2	4526.5
27.5°	4463.4	4458.0	4437.0	4429.1	4418.6	4416.0	4421.2
30°	4260.6	4252.7	4236.9	4229.0	4210.6	4213.2	4218.4
32.5°	4007.8	3997.3	3976.2	3968.2	3952.5	3947.2	3949.8
35°	3691.9	3684.0	3665.5	3665.5	3649.7	3644.4	3649.7
37.5°	3370.6	3378.4	3370.6	3378.4	3370.6	3367.9	3370.6
40°	3067.8	3096.7	3101.9	3131.0	3120.4	3136.2	3133.6
42.5°	2778.1	2825.4	2844.0	2867.6	2862.4	2872.9	2880.8
45°	2485.7	2525.3	2543.7	2559.5	2562.2	2567.5	2570.1
47.5°	2209.2	2240.9	2243.5	2261.9	2259.3	2259.3	2267.2
50°	1951.3	1972.3	1977.5	1990.7	1980.2	1974.9	1977.5
52.5°	1711.6	1732.7	1727.4	1732.7	1719.6	1714.2	1716.8
55°	1466.7	1477.2	1477.2	1477.2	1461.5	1461.5	1461.5
57.5°	1216.5	1219.2	1213.9	1216.5	1213.9	1198.1	1195.5
60°	987.5	987.5	984.8	987.5	979.6	971.7	971.7
62.5°	771.5	776.8	787.3	776.8	771.5	776.8	768.9
65°	576.7	587.2	584.5	589.8	587.2	587.2	581.9
67.5°	434.5	437.1	439.7	442.4	442.4	442.4	442.4
70°	318.7	326.6	323.9	323.9	323.9	323.9	339.7
72.5°	213.3	223.8	221.2	226.4	226.4	231.7	226.4
75°	144.8	155.3	150.1	158.0	155.3	150.1	163.2
77.5°	97.4	102.8	105.4	108.0	105.4	102.8	105.4
80°	68.5	73.7	71.1	73.7	73.7	73.7	76.4
82.5°	42.2	50.1	47.4	50.1	47.4	50.1	50.1
85°	28.9	31.6	26.3	31.6	28.9	28.9	34.3
87.5°	18.4	15.8	15.8	18.4	15.8	18.4	15.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)