

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: P248733

Luminaire Tested: **LSR8B80D010 EC8B80950 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248733
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: LSR8B80D010 EC8B80950 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7651.0 lumens
Efficiency: N/A
Efficacy: 102.8 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

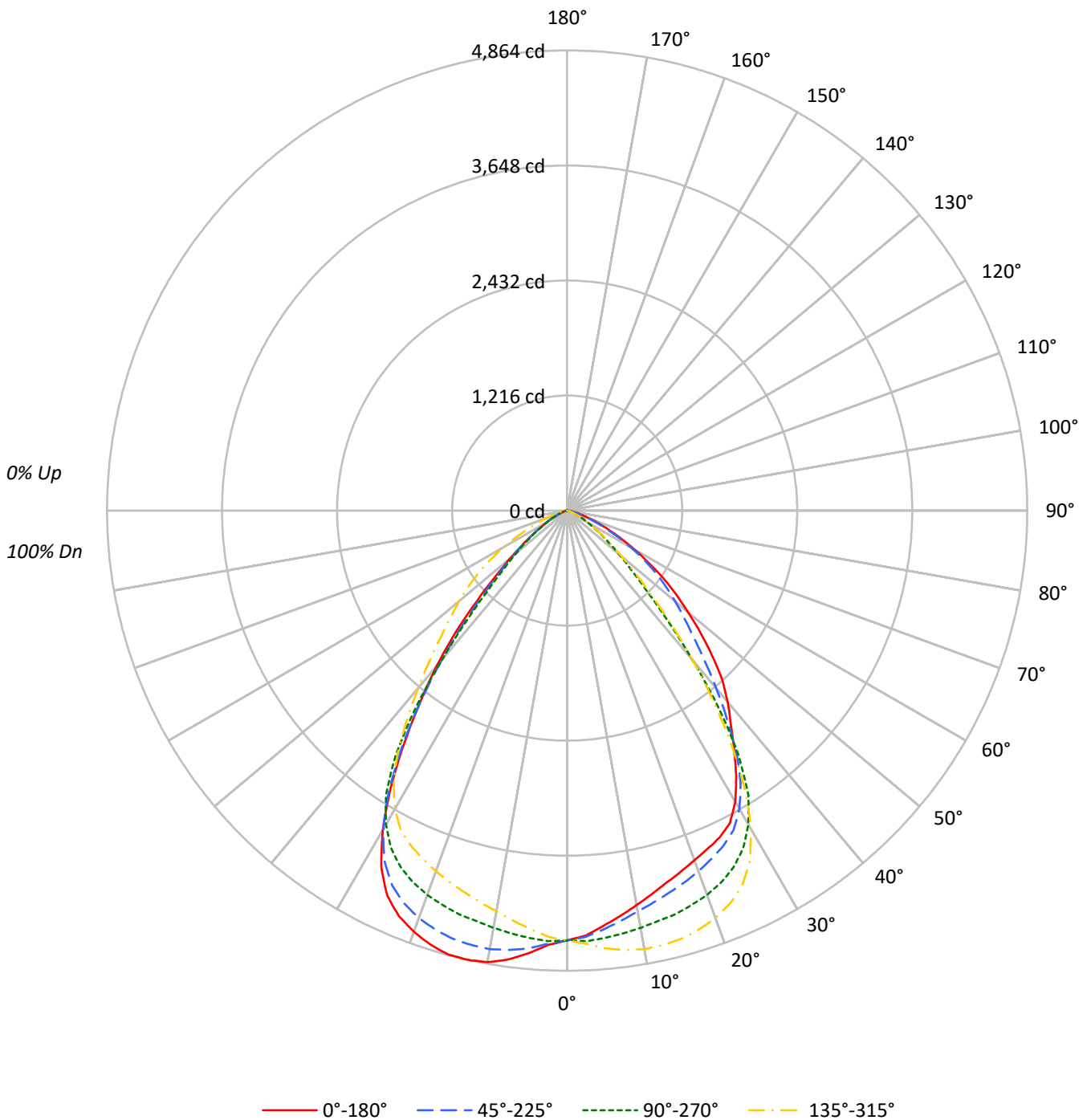
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	140065	140065	140065	140065
5°	136344	140392	145404	140392
10°	132572	140209	151738	140209
15°	129922	141041	155059	141041
20°	129040	141848	155456	141848
25°	129717	141564	152959	141564
30°	126511	136381	138831	136381
35°	115718	118971	112880	118971
40°	106238	82758	86421	82758
45°	94396	50486	58419	50486
50°	79903	33725	37452	33725
55°	66175	23015	24322	23015
60°	50473	15319	15455	15319
65°	35760	9544	8741	9544
70°	25795	6392	5806	6392
75°	16382	3181	2645	3181
80°	11436	2362	1953	2362
85°	10190	0	778	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.3	5.7
10°-20°	1251.9	16.4
20°-30°	1895.7	24.8
30°-40°	1900.0	24.8
40°-50°	1193.1	15.6
50°-60°	635.8	8.3
60°-70°	261.4	3.4
70°-80°	69.1	0.9
80°-90°	11.7	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°	3580.0	46.8
0°-40°	5479.9	71.6
0°-60°	7308.8	95.5
0°-90°	7651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7651.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4542	4542	4542	4542	4542	
5°	4405	4536	4697	4536	4405	415
15°	4070	4418	4857	4418	4070	1151
25°	3812	4161	4496	4161	3812	1749
35°	3074	3160	2999	3160	3074	1926
45°	2165	1158	1340	1158	2165	1665
55°	1231	428	452	428	1231	1097
65°	490	131	120	131	490	508
75°	138	27	22	27	138	156
85°	29	0	2	0	29	32
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°	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2
2.5°	4495.6	4491.1	4488.9	4493.4	4495.6	4504.5	4502.3	4506.6	4506.6	4508.9	4513.3
5°	4404.7	4402.4	4404.7	4404.7	4413.5	4422.4	4420.2	4426.9	4431.2	4442.4	4446.8
7.5°	4320.4	4320.4	4318.1	4327.0	4331.5	4344.8	4342.5	4353.6	4360.3	4371.4	4386.9
10°	4233.9	4233.9	4236.1	4242.7	4245.0	4264.9	4264.9	4280.4	4289.3	4300.4	4320.4
12.5°	4149.6	4149.6	4162.9	4158.5	4167.3	4182.8	4189.5	4205.0	4218.4	4240.5	4260.5
15°	4069.7	4069.7	4074.2	4085.3	4091.9	4111.9	4123.0	4140.8	4156.3	4178.5	4207.3
17.5°	4001.0	3998.8	4001.0	4014.3	4027.7	4045.4	4054.2	4076.4	4091.9	4120.8	4147.4
20°	3932.3	3936.7	3936.7	3947.8	3956.6	3978.8	3987.7	4012.1	4029.8	4056.4	4087.5
22.5°	3872.4	3870.2	3870.2	3885.7	3892.4	3912.3	3921.1	3943.3	3963.3	3985.5	4014.3
25°	3812.5	3808.0	3817.0	3819.2	3823.5	3845.7	3852.4	3867.9	3887.9	3907.9	3936.7
27.5°	3723.8	3719.4	3721.6	3730.4	3737.1	3754.8	3759.3	3774.8	3790.3	3808.0	3832.5
30°	3553.0	3548.6	3546.4	3561.9	3568.6	3581.8	3588.5	3615.1	3619.5	3639.5	3657.2
32.5°	3326.7	3324.5	3329.0	3342.3	3348.9	3366.7	3375.6	3391.1	3402.1	3413.3	3431.0
35°	3074.0	3069.5	3074.0	3087.3	3087.3	3102.8	3109.5	3116.0	3113.9	3116.0	3111.7
37.5°	2838.9	2836.6	2838.9	2845.5	2838.9	2845.5	2838.9	2825.6	2801.2	2774.5	2747.9
40°	2639.2	2641.4	2628.2	2637.1	2612.6	2608.2	2583.8	2550.5	2501.8	2448.5	2373.1
42.5°	2426.4	2419.7	2410.8	2415.2	2395.3	2379.7	2339.8	2297.7	2235.6	2146.9	2055.9
45°	2164.6	2162.4	2158.0	2155.8	2142.5	2126.9	2093.6	2044.9	1976.1	1885.2	1776.5
47.5°	1909.6	1902.9	1902.9	1905.1	1889.6	1887.4	1860.7	1818.7	1758.8	1670.0	1556.9
50°	1665.6	1663.4	1667.8	1676.7	1665.6	1661.2	1643.5	1614.6	1561.4	1486.0	1379.5
52.5°	1446.0	1443.8	1448.3	1459.3	1454.9	1459.3	1441.6	1419.4	1383.9	1310.7	1217.6
55°	1230.9	1230.9	1230.9	1244.2	1244.2	1244.2	1235.3	1222.1	1188.8	1135.5	1049.1
57.5°	1006.9	1009.1	1022.4	1024.6	1022.4	1026.9	1024.6	1011.3	989.2	951.5	885.0
60°	818.4	818.4	825.1	831.7	829.4	831.7	831.7	825.1	802.9	771.8	718.6
62.5°	647.6	654.3	649.8	654.3	663.1	654.3	649.8	645.4	629.9	609.9	565.5
65°	490.1	494.6	494.6	496.8	492.3	494.6	485.7	479.1	470.2	448.0	419.2
67.5°	372.6	372.6	372.6	372.6	370.4	368.2	366.0	359.3	343.8	334.9	303.8
70°	286.1	272.8	272.8	272.8	272.8	275.1	268.4	259.5	255.1	239.5	217.4
72.5°	190.7	195.2	190.7	190.7	186.3	188.5	179.7	175.2	170.8	161.9	148.6
75°	137.5	126.4	130.8	133.1	126.4	130.8	122.0	113.1	113.1	106.4	99.8
77.5°	88.7	86.5	88.7	90.9	88.7	86.5	82.1	77.6	77.6	75.4	68.7
80°	64.4	62.1	62.1	62.1	59.9	62.1	57.7	57.7	53.2	51.0	46.6
82.5°	42.2	42.2	39.9	42.2	39.9	42.2	35.5	35.5	35.5	33.2	28.8
85°	28.8	24.4	24.4	26.7	22.2	26.7	24.4	22.2	20.0	20.0	17.7
87.5°	13.3	15.5	13.3	15.5	13.3	13.3	15.5	13.3	13.3	8.9	8.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2
2.5°	4520.0	4522.2	4522.2	4531.1	4535.5	4537.7	4537.7	4555.5	4548.8	4553.3	4557.7
5°	4455.7	4468.9	4473.4	4473.4	4497.8	4506.6	4515.5	4535.5	4537.7	4551.0	4566.5
7.5°	4393.5	4409.1	4418.0	4437.9	4453.4	4468.9	4495.6	4508.9	4522.2	4540.0	4559.9
10°	4333.7	4351.5	4369.2	4384.7	4409.1	4429.0	4446.8	4477.8	4493.4	4517.8	4544.3
12.5°	4276.1	4300.4	4315.9	4342.5	4369.2	4386.9	4413.5	4442.4	4466.8	4491.1	4522.2
15°	4225.0	4253.9	4271.6	4300.4	4329.3	4353.6	4382.5	4418.0	4435.7	4464.6	4493.4
17.5°	4169.5	4200.6	4222.8	4249.4	4284.9	4311.5	4335.9	4371.4	4393.5	4424.6	4457.9
20°	4111.9	4143.0	4169.5	4196.2	4231.7	4258.2	4287.1	4322.6	4347.0	4378.0	4404.7
22.5°	4043.2	4072.0	4100.8	4131.8	4167.3	4189.5	4222.8	4253.9	4280.4	4309.3	4335.9
25°	3954.4	3990.0	4012.1	4040.9	4069.7	4094.1	4129.6	4160.7	4182.8	4209.5	4233.9
27.5°	3850.2	3876.8	3894.6	3918.9	3947.8	3970.0	3996.5	4027.7	4049.8	4074.2	4091.9
30°	3672.7	3697.2	3712.7	3730.4	3759.3	3779.3	3801.4	3830.2	3845.7	3863.5	3879.0
32.5°	3439.8	3459.8	3468.7	3482.0	3502.0	3521.9	3539.7	3564.1	3570.8	3581.8	3581.8
35°	3102.8	3107.2	3105.0	3109.5	3118.3	3129.4	3144.9	3160.4	3169.3	3169.3	3162.7
37.5°	2708.0	2681.4	2652.6	2630.4	2623.7	2619.3	2628.2	2634.8	2643.7	2648.1	2637.1
40°	2297.7	2237.8	2173.5	2115.8	2075.9	2058.2	2051.5	2055.9	2055.9	2071.4	2071.4
42.5°	1945.1	1851.9	1756.6	1670.0	1612.3	1568.1	1548.1	1548.1	1550.3	1561.4	1568.1
45°	1652.3	1534.7	1423.8	1328.5	1248.6	1191.0	1164.4	1157.7	1155.5	1159.9	1175.4
47.5°	1428.3	1306.3	1191.0	1073.5	989.2	931.5	907.1	898.2	889.3	898.2	900.5
50°	1253.1	1126.7	1004.7	887.1	798.4	747.4	716.3	703.0	700.8	700.8	705.3
52.5°	1093.4	975.9	853.9	734.1	640.9	592.2	563.3	556.7	547.8	556.7	556.7
55°	942.6	825.1	705.3	592.2	514.5	463.6	436.9	428.1	423.6	430.2	430.2
57.5°	778.5	678.6	567.8	465.8	388.2	352.6	332.7	321.6	319.3	323.8	319.3
60°	638.7	554.5	459.1	366.0	306.1	268.4	252.9	248.4	243.9	248.4	248.4
62.5°	505.6	434.7	357.0	286.1	235.1	208.5	190.7	190.7	188.5	188.5	190.7
65°	374.8	319.3	263.9	204.0	164.1	144.1	130.8	130.8	128.6	130.8	128.6
67.5°	272.8	235.1	190.7	148.6	117.6	106.4	97.6	90.9	95.4	90.9	88.7
70°	199.6	168.5	137.5	113.1	90.9	79.9	73.2	70.9	66.5	66.5	66.5
72.5°	133.1	113.1	93.1	73.2	59.9	48.7	46.6	42.2	37.7	39.9	44.4
75°	88.7	75.4	66.5	53.2	39.9	39.9	26.7	26.7	22.2	26.7	20.0
77.5°	62.1	51.0	39.9	33.2	26.7	24.4	17.7	17.7	15.5	15.5	15.5
80°	44.4	37.7	28.8	24.4	17.7	17.7	15.5	13.3	11.0	11.0	13.3
82.5°	26.7	20.0	20.0	17.7	11.0	8.9	6.7	8.9	4.5	4.5	4.5
85°	15.5	13.3	11.0	6.7	4.5	4.5	2.2	0.0	2.2	2.2	0.0
87.5°	8.9	4.5	4.5	2.2	0.0	2.2	2.2	0.0	0.0	0.0	4.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2
2.5°	4568.8	4566.5	4571.0	4571.0	4584.3	4582.0	4588.7	4588.7	4584.3	4586.5	4595.4
5°	4584.3	4591.0	4604.2	4615.4	4635.3	4644.2	4655.3	4666.4	4668.6	4675.3	4681.9
7.5°	4584.3	4606.5	4622.0	4641.9	4668.6	4684.1	4708.5	4728.5	4737.3	4748.4	4761.7
10°	4575.4	4597.6	4626.4	4648.6	4681.9	4706.3	4730.7	4761.7	4775.0	4792.7	4810.5
12.5°	4557.7	4582.0	4613.1	4641.9	4679.6	4701.8	4732.9	4761.7	4781.7	4806.1	4826.1
15°	4531.1	4559.9	4588.7	4617.6	4657.5	4684.1	4713.0	4746.2	4766.2	4792.7	4810.5
17.5°	4488.9	4520.0	4546.6	4573.2	4610.9	4641.9	4668.6	4699.6	4719.6	4741.8	4766.2
20°	4437.9	4466.8	4495.6	4517.8	4555.5	4582.0	4610.9	4639.7	4655.3	4659.7	4697.4
22.5°	4373.6	4393.5	4415.7	4451.2	4473.4	4497.8	4524.4	4551.0	4566.5	4591.0	4604.2
25°	4267.1	4287.1	4311.5	4327.0	4353.6	4373.6	4400.2	4429.0	4437.9	4455.7	4468.9
27.5°	4118.6	4129.6	4140.8	4154.0	4169.5	4180.7	4196.2	4209.5	4218.4	4227.2	4236.1
30°	3883.4	3883.4	3883.4	3874.6	3881.2	3887.9	3890.1	3887.9	3887.9	3885.7	3885.7
32.5°	3572.9	3555.2	3535.2	3517.5	3510.9	3502.0	3497.5	3490.9	3479.8	3473.2	3475.4
35°	3153.7	3113.9	3089.5	3067.3	3049.6	3036.3	3029.6	3022.9	3020.7	3011.9	3002.9
37.5°	2630.4	2601.5	2583.8	2570.5	2555.0	2541.7	2543.8	2546.1	2552.7	2548.3	2550.5
40°	2075.9	2069.2	2075.9	2060.4	2055.9	2060.4	2071.4	2087.0	2095.9	2104.8	2120.3
42.5°	1579.1	1590.2	1605.8	1605.8	1612.3	1621.3	1634.5	1659.0	1672.2	1687.7	1705.5
45°	1188.8	1202.1	1222.1	1228.7	1233.1	1244.2	1259.8	1279.7	1288.5	1301.9	1317.4
47.5°	916.0	924.8	935.9	947.0	958.1	962.5	978.1	978.1	989.2	998.1	1002.4
50°	714.2	723.0	731.9	738.5	743.0	749.7	754.0	760.7	762.9	767.4	769.6
52.5°	558.9	570.0	570.0	574.4	581.1	587.7	585.5	587.7	589.9	589.9	596.6
55°	436.9	436.9	443.6	443.6	448.0	445.8	448.0	448.0	448.0	448.0	450.2
57.5°	326.0	328.3	334.9	330.5	328.3	332.7	328.3	332.7	330.5	334.9	328.3
60°	250.6	250.6	252.9	252.9	255.1	255.1	255.1	252.9	252.9	250.6	250.6
62.5°	188.5	190.7	193.0	190.7	190.7	190.7	188.5	188.5	186.3	184.0	184.0
65°	126.4	124.2	128.6	124.2	126.4	126.4	124.2	126.4	119.8	122.0	119.8
67.5°	90.9	88.7	86.5	88.7	86.5	84.3	84.3	86.5	88.7	82.1	82.1
70°	59.9	62.1	59.9	62.1	64.4	64.4	62.1	59.9	62.1	57.7	59.9
72.5°	37.7	37.7	37.7	37.7	37.7	39.9	39.9	39.9	35.5	35.5	33.2
75°	17.7	24.4	20.0	17.7	24.4	24.4	22.2	22.2	20.0	20.0	20.0
77.5°	17.7	13.3	13.3	13.3	13.3	13.3	13.3	13.3	11.0	13.3	11.0
80°	8.9	8.9	8.9	6.7	8.9	8.9	11.0	8.9	8.9	6.7	11.0
82.5°	4.5	4.5	4.5	0.0	2.2	4.5	4.5	2.2	4.5	4.5	2.2
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: P248733

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2
2.5°	4593.2	4591.0	4593.2	4595.4	4593.2	4591.0	4593.2	4595.4	4586.5	4584.3	4588.7
5°	4690.8	4690.8	4695.2	4697.4	4695.2	4690.8	4690.8	4681.9	4675.3	4668.6	4666.4
7.5°	4775.0	4779.5	4783.9	4786.1	4783.9	4779.5	4775.0	4761.7	4748.4	4737.3	4728.5
10°	4826.1	4832.7	4841.6	4846.0	4841.6	4832.7	4826.1	4810.5	4792.7	4775.0	4761.7
12.5°	4848.2	4854.9	4866.0	4863.8	4866.0	4854.9	4848.2	4826.1	4806.1	4781.7	4761.7
15°	4832.7	4841.6	4852.6	4857.1	4852.6	4841.6	4832.7	4810.5	4792.7	4766.2	4746.2
17.5°	4783.9	4797.2	4803.9	4810.5	4803.9	4797.2	4783.9	4766.2	4741.8	4719.6	4699.6
20°	4717.3	4726.3	4735.1	4737.3	4735.1	4726.3	4717.3	4697.4	4659.7	4655.3	4639.7
22.5°	4622.0	4628.7	4648.6	4641.9	4648.6	4628.7	4622.0	4604.2	4591.0	4566.5	4551.0
25°	4484.5	4491.1	4493.4	4495.6	4493.4	4491.1	4484.5	4468.9	4455.7	4437.9	4429.0
27.5°	4247.2	4247.2	4251.6	4253.9	4251.6	4247.2	4247.2	4236.1	4227.2	4218.4	4209.5
30°	3887.9	3887.9	3887.9	3899.0	3887.9	3887.9	3887.9	3885.7	3885.7	3887.9	3887.9
32.5°	3473.2	3468.7	3464.3	3468.7	3464.3	3468.7	3473.2	3475.4	3473.2	3479.8	3490.9
35°	3002.9	3000.7	3007.4	2998.6	3007.4	3000.7	3002.9	3002.9	3011.9	3020.7	3022.9
37.5°	2552.7	2548.3	2557.2	2548.3	2557.2	2548.3	2552.7	2550.5	2548.3	2552.7	2546.1
40°	2124.7	2129.1	2129.1	2146.9	2129.1	2129.1	2124.7	2120.3	2104.8	2095.9	2087.0
42.5°	1714.4	1727.7	1723.3	1736.6	1723.3	1727.7	1714.4	1705.5	1687.7	1672.2	1659.0
45°	1326.2	1335.2	1335.2	1339.6	1335.2	1335.2	1326.2	1317.4	1301.9	1288.5	1279.7
47.5°	1018.0	1018.0	1018.0	1020.2	1018.0	1018.0	1018.0	1002.4	998.1	989.2	978.1
50°	774.0	776.2	778.5	780.7	778.5	776.2	774.0	769.6	767.4	762.9	760.7
52.5°	594.4	596.6	592.2	596.6	592.2	596.6	594.4	596.6	589.9	589.9	587.7
55°	450.2	448.0	450.2	452.4	450.2	448.0	450.2	450.2	448.0	448.0	448.0
57.5°	330.5	326.0	326.0	326.0	326.0	326.0	330.5	328.3	334.9	330.5	332.7
60°	246.2	248.4	248.4	250.6	248.4	248.4	246.2	250.6	250.6	252.9	252.9
62.5°	181.8	188.5	184.0	188.5	184.0	188.5	181.8	184.0	184.0	186.3	188.5
65°	117.6	117.6	117.6	119.8	117.6	117.6	117.6	119.8	122.0	119.8	126.4
67.5°	79.9	82.1	86.5	84.3	86.5	82.1	79.9	82.1	82.1	88.7	86.5
70°	64.4	57.7	57.7	64.4	57.7	57.7	64.4	59.9	57.7	62.1	59.9
72.5°	37.7	33.2	37.7	37.7	37.7	33.2	37.7	33.2	35.5	35.5	39.9
75°	20.0	17.7	15.5	22.2	15.5	17.7	20.0	20.0	20.0	20.0	22.2
77.5°	13.3	11.0	15.5	15.5	15.5	11.0	13.3	11.0	13.3	11.0	13.3
80°	6.7	8.9	6.7	11.0	6.7	8.9	6.7	11.0	6.7	8.9	8.9
82.5°	2.2	4.5	4.5	4.5	4.5	4.5	2.2	2.2	4.5	4.5	2.2
85°	0.0	4.5	2.2	2.2	2.2	4.5	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.0	0.0	2.2	0.0	0.0	2.2	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: P248733

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2
2.5°	4588.7	4582.0	4584.3	4571.0	4571.0	4566.5	4568.8	4557.7	4553.3	4548.8	4555.5
5°	4655.3	4644.2	4635.3	4615.4	4604.2	4591.0	4584.3	4566.5	4551.0	4537.7	4535.5
7.5°	4708.5	4684.1	4668.6	4641.9	4622.0	4606.5	4584.3	4559.9	4540.0	4522.2	4508.9
10°	4730.7	4706.3	4681.9	4648.6	4626.4	4597.6	4575.4	4544.3	4517.8	4493.4	4477.8
12.5°	4732.9	4701.8	4679.6	4641.9	4613.1	4582.0	4557.7	4522.2	4491.1	4466.8	4442.4
15°	4713.0	4684.1	4657.5	4617.6	4588.7	4559.9	4531.1	4493.4	4464.6	4435.7	4418.0
17.5°	4668.6	4641.9	4610.9	4573.2	4546.6	4520.0	4488.9	4457.9	4424.6	4393.5	4371.4
20°	4610.9	4582.0	4555.5	4517.8	4495.6	4466.8	4437.9	4404.7	4378.0	4347.0	4322.6
22.5°	4524.4	4497.8	4473.4	4451.2	4415.7	4393.5	4373.6	4335.9	4309.3	4280.4	4253.9
25°	4400.2	4373.6	4353.6	4327.0	4311.5	4287.1	4267.1	4233.9	4209.5	4182.8	4160.7
27.5°	4196.2	4180.7	4169.5	4154.0	4140.8	4129.6	4118.6	4091.9	4074.2	4049.8	4027.7
30°	3890.1	3887.9	3881.2	3874.6	3883.4	3883.4	3883.4	3879.0	3863.5	3845.7	3830.2
32.5°	3497.5	3502.0	3510.9	3517.5	3535.2	3555.2	3572.9	3581.8	3581.8	3570.8	3564.1
35°	3029.6	3036.3	3049.6	3067.3	3089.5	3113.9	3153.7	3162.7	3169.3	3169.3	3160.4
37.5°	2543.8	2541.7	2555.0	2570.5	2583.8	2601.5	2630.4	2637.1	2648.1	2643.7	2634.8
40°	2071.4	2060.4	2055.9	2060.4	2075.9	2069.2	2075.9	2071.4	2071.4	2055.9	2055.9
42.5°	1634.5	1621.3	1612.3	1605.8	1605.8	1590.2	1579.1	1568.1	1561.4	1550.3	1548.1
45°	1259.8	1244.2	1233.1	1228.7	1222.1	1202.1	1188.8	1175.4	1159.9	1155.5	1157.7
47.5°	978.1	962.5	958.1	947.0	935.9	924.8	916.0	900.5	898.2	889.3	898.2
50°	754.0	749.7	743.0	738.5	731.9	723.0	714.2	705.3	700.8	700.8	703.0
52.5°	585.5	587.7	581.1	574.4	570.0	570.0	558.9	556.7	556.7	547.8	556.7
55°	448.0	445.8	448.0	443.6	443.6	436.9	436.9	430.2	430.2	423.6	428.1
57.5°	328.3	332.7	328.3	330.5	334.9	328.3	326.0	319.3	323.8	319.3	321.6
60°	255.1	255.1	255.1	252.9	252.9	250.6	250.6	248.4	248.4	243.9	248.4
62.5°	188.5	190.7	190.7	190.7	193.0	190.7	188.5	190.7	188.5	188.5	190.7
65°	124.2	126.4	126.4	124.2	128.6	124.2	126.4	128.6	130.8	128.6	130.8
67.5°	84.3	84.3	86.5	88.7	86.5	88.7	90.9	88.7	90.9	95.4	90.9
70°	62.1	64.4	64.4	62.1	59.9	62.1	59.9	66.5	66.5	66.5	70.9
72.5°	39.9	39.9	37.7	37.7	37.7	37.7	37.7	44.4	39.9	37.7	42.2
75°	22.2	24.4	24.4	17.7	20.0	24.4	17.7	20.0	26.7	22.2	26.7
77.5°	13.3	13.3	13.3	13.3	13.3	13.3	17.7	15.5	15.5	15.5	17.7
80°	11.0	8.9	8.9	6.7	8.9	8.9	8.9	13.3	11.0	11.0	13.3
82.5°	4.5	4.5	2.2	0.0	4.5	4.5	4.5	4.5	4.5	4.5	8.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	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: P248733

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2
2.5°	4537.7	4537.7	4535.5	4531.1	4522.2	4522.2	4520.0	4513.3	4508.9	4506.6	4506.6
5°	4515.5	4506.6	4497.8	4473.4	4473.4	4468.9	4455.7	4446.8	4442.4	4431.2	4426.9
7.5°	4495.6	4468.9	4453.4	4437.9	4418.0	4409.1	4393.5	4386.9	4371.4	4360.3	4353.6
10°	4446.8	4429.0	4409.1	4384.7	4369.2	4351.5	4333.7	4320.4	4300.4	4289.3	4280.4
12.5°	4413.5	4386.9	4369.2	4342.5	4315.9	4300.4	4276.1	4260.5	4240.5	4218.4	4205.0
15°	4382.5	4353.6	4329.3	4300.4	4271.6	4253.9	4225.0	4207.3	4178.5	4156.3	4140.8
17.5°	4335.9	4311.5	4284.9	4249.4	4222.8	4200.6	4169.5	4147.4	4120.8	4091.9	4076.4
20°	4287.1	4258.2	4231.7	4196.2	4169.5	4143.0	4111.9	4087.5	4056.4	4029.8	4012.1
22.5°	4222.8	4189.5	4167.3	4131.8	4100.8	4072.0	4043.2	4014.3	3985.5	3963.3	3943.3
25°	4129.6	4094.1	4069.7	4040.9	4012.1	3990.0	3954.4	3936.7	3907.9	3887.9	3867.9
27.5°	3996.5	3970.0	3947.8	3918.9	3894.6	3876.8	3850.2	3832.5	3808.0	3790.3	3774.8
30°	3801.4	3779.3	3759.3	3730.4	3712.7	3697.2	3672.7	3657.2	3639.5	3619.5	3615.1
32.5°	3539.7	3521.9	3502.0	3482.0	3468.7	3459.8	3439.8	3431.0	3413.3	3402.1	3391.1
35°	3144.9	3129.4	3118.3	3109.5	3105.0	3107.2	3102.8	3111.7	3116.0	3113.9	3116.0
37.5°	2628.2	2619.3	2623.7	2630.4	2652.6	2681.4	2708.0	2747.9	2774.5	2801.2	2825.6
40°	2051.5	2058.2	2075.9	2115.8	2173.5	2237.8	2297.7	2373.1	2448.5	2501.8	2550.5
42.5°	1548.1	1568.1	1612.3	1670.0	1756.6	1851.9	1945.1	2055.9	2146.9	2235.6	2297.7
45°	1164.4	1191.0	1248.6	1328.5	1423.8	1534.7	1652.3	1776.5	1885.2	1976.1	2044.9
47.5°	907.1	931.5	989.2	1073.5	1191.0	1306.3	1428.3	1556.9	1670.0	1758.8	1818.7
50°	716.3	747.4	798.4	887.1	1004.7	1126.7	1253.1	1379.5	1486.0	1561.4	1614.6
52.5°	563.3	592.2	640.9	734.1	853.9	975.9	1093.4	1217.6	1310.7	1383.9	1419.4
55°	436.9	463.6	514.5	592.2	705.3	825.1	942.6	1049.1	1135.5	1188.8	1222.1
57.5°	332.7	352.6	388.2	465.8	567.8	678.6	778.5	885.0	951.5	989.2	1011.3
60°	252.9	268.4	306.1	366.0	459.1	554.5	638.7	718.6	771.8	802.9	825.1
62.5°	190.7	208.5	235.1	286.1	357.0	434.7	505.6	565.5	609.9	629.9	645.4
65°	130.8	144.1	164.1	204.0	263.9	319.3	374.8	419.2	448.0	470.2	479.1
67.5°	97.6	106.4	117.6	148.6	190.7	235.1	272.8	303.8	334.9	343.8	359.3
70°	73.2	79.9	90.9	113.1	137.5	168.5	199.6	217.4	239.5	255.1	259.5
72.5°	46.6	48.7	59.9	73.2	93.1	113.1	133.1	148.6	161.9	170.8	175.2
75°	26.7	39.9	39.9	53.2	66.5	75.4	88.7	99.8	106.4	113.1	113.1
77.5°	17.7	24.4	26.7	33.2	39.9	51.0	62.1	68.7	75.4	77.6	77.6
80°	15.5	17.7	17.7	24.4	28.8	37.7	44.4	46.6	51.0	53.2	57.7
82.5°	6.7	8.9	11.0	17.7	20.0	20.0	26.7	28.8	33.2	35.5	35.5
85°	2.2	4.5	4.5	6.7	11.0	13.3	15.5	17.7	20.0	20.0	22.2
87.5°	2.2	2.2	0.0	2.2	4.5	4.5	8.9	8.9	8.9	13.3	13.3
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: P248733

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2	4542.2
2.5°	4502.3	4504.5	4495.6	4493.4	4488.9	4491.1	4495.6
5°	4420.2	4422.4	4413.5	4404.7	4404.7	4402.4	4404.7
7.5°	4342.5	4344.8	4331.5	4327.0	4318.1	4320.4	4320.4
10°	4264.9	4264.9	4245.0	4242.7	4236.1	4233.9	4233.9
12.5°	4189.5	4182.8	4167.3	4158.5	4162.9	4149.6	4149.6
15°	4123.0	4111.9	4091.9	4085.3	4074.2	4069.7	4069.7
17.5°	4054.2	4045.4	4027.7	4014.3	4001.0	3998.8	4001.0
20°	3987.7	3978.8	3956.6	3947.8	3936.7	3936.7	3932.3
22.5°	3921.1	3912.3	3892.4	3885.7	3870.2	3870.2	3872.4
25°	3852.4	3845.7	3823.5	3819.2	3817.0	3808.0	3812.5
27.5°	3759.3	3754.8	3737.1	3730.4	3721.6	3719.4	3723.8
30°	3588.5	3581.8	3568.6	3561.9	3546.4	3548.6	3553.0
32.5°	3375.6	3366.7	3348.9	3342.3	3329.0	3324.5	3326.7
35°	3109.5	3102.8	3087.3	3087.3	3074.0	3069.5	3074.0
37.5°	2838.9	2845.5	2838.9	2845.5	2838.9	2836.6	2838.9
40°	2583.8	2608.2	2612.6	2637.1	2628.2	2641.4	2639.2
42.5°	2339.8	2379.7	2395.3	2415.2	2410.8	2419.7	2426.4
45°	2093.6	2126.9	2142.5	2155.8	2158.0	2162.4	2164.6
47.5°	1860.7	1887.4	1889.6	1905.1	1902.9	1902.9	1909.6
50°	1643.5	1661.2	1665.6	1676.7	1667.8	1663.4	1665.6
52.5°	1441.6	1459.3	1454.9	1459.3	1448.3	1443.8	1446.0
55°	1235.3	1244.2	1244.2	1244.2	1230.9	1230.9	1230.9
57.5°	1024.6	1026.9	1022.4	1024.6	1022.4	1009.1	1006.9
60°	831.7	831.7	829.4	831.7	825.1	818.4	818.4
62.5°	649.8	654.3	663.1	654.3	649.8	654.3	647.6
65°	485.7	494.6	492.3	496.8	494.6	494.6	490.1
67.5°	366.0	368.2	370.4	372.6	372.6	372.6	372.6
70°	268.4	275.1	272.8	272.8	272.8	272.8	286.1
72.5°	179.7	188.5	186.3	190.7	190.7	195.2	190.7
75°	122.0	130.8	126.4	133.1	130.8	126.4	137.5
77.5°	82.1	86.5	88.7	90.9	88.7	86.5	88.7
80°	57.7	62.1	59.9	62.1	62.1	62.1	64.4
82.5°	35.5	42.2	39.9	42.2	39.9	42.2	42.2
85°	24.4	26.7	22.2	26.7	24.4	24.4	28.8
87.5°	15.5	13.3	13.3	15.5	13.3	15.5	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)