

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: P246007

Luminaire Tested: **LSR8B15D010 EC8B15940 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246007
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: LSR8B15D010 EC8B15940 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1361.0 lumens
Efficiency: N/A
Efficacy: 94.5 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

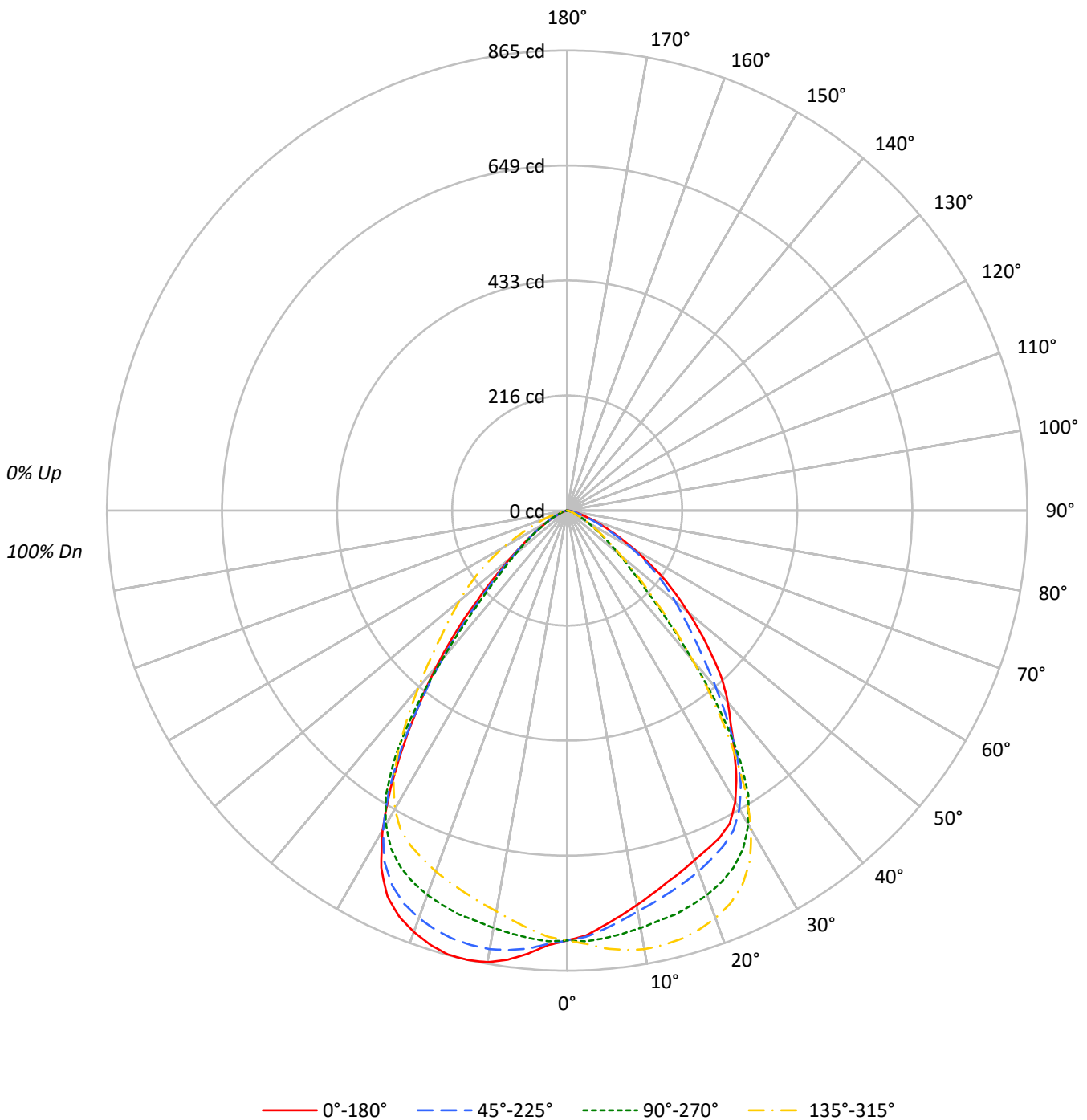
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	98	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°	24916	24916	24916	24916
5°	24253	24974	25865	24974
10°	23581	24940	26991	24940
15°	23110	25089	27582	25089
20°	22954	25232	27653	25232
25°	23075	25181	27209	25181
30°	22503	24259	24697	24259
35°	20584	21164	20079	21164
40°	18899	14721	15373	14721
45°	16794	8979	10392	8979
50°	14214	6001	6663	6001
55°	11774	4091	4328	4091
60°	8980	2726	2751	2726
65°	6363	1700	1554	1700
70°	4589	1136	1028	1136
75°	2919	560	465	560
80°	2024	426	355	426
85°	1804	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	5.7
10°-20°	222.7	16.4
20°-30°	337.2	24.8
30°-40°	338.0	24.8
40°-50°	212.2	15.6
50°-60°	113.1	8.3
60°-70°	46.5	3.4
70°-80°	12.3	0.9
80°-90°	2.1	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°	636.8	46.8
0°-40°	974.8	71.6
0°-60°	1300.1	95.5
0°-90°	1361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	808	808	808	808	808	
5°	784	807	836	807	784	74
15°	724	786	864	786	724	205
25°	678	740	800	740	678	311
35°	547	562	533	562	547	343
45°	385	206	238	206	385	296
55°	219	76	80	76	219	195
65°	87	23	21	23	87	90
75°	24	5	4	5	24	28
85°	5	0	0	0	5	6
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°	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0
2.5°	799.7	798.9	798.5	799.3	799.7	801.3	800.9	801.7	801.7	802.1	802.9
5°	783.5	783.1	783.5	783.5	785.1	786.7	786.3	787.5	788.3	790.2	791.0
7.5°	768.5	768.5	768.1	769.7	770.5	772.9	772.5	774.4	775.6	777.6	780.4
10°	753.1	753.1	753.5	754.7	755.1	758.7	758.7	761.4	763.0	765.0	768.5
12.5°	738.2	738.2	740.5	739.7	741.3	744.1	745.3	748.0	750.4	754.3	757.9
15°	723.9	723.9	724.7	726.7	727.9	731.4	733.4	736.6	739.3	743.3	748.4
17.5°	711.7	711.3	711.7	714.1	716.5	719.6	721.2	725.1	727.9	733.0	737.8
20°	699.5	700.3	700.3	702.3	703.8	707.8	709.3	713.7	716.8	721.6	727.1
22.5°	688.8	688.4	688.4	691.2	692.4	695.9	697.5	701.5	705.0	709.0	714.1
25°	678.2	677.4	679.0	679.4	680.1	684.1	685.3	688.0	691.6	695.2	700.3
27.5°	662.4	661.6	662.0	663.6	664.8	667.9	668.7	671.5	674.2	677.4	681.7
30°	632.0	631.2	630.8	633.6	634.8	637.1	638.3	643.1	643.9	647.4	650.6
32.5°	591.8	591.4	592.2	594.5	595.7	598.9	600.5	603.2	605.2	607.2	610.3
35°	546.8	546.0	546.8	549.2	549.2	551.9	553.1	554.3	553.9	554.3	553.5
37.5°	505.0	504.6	505.0	506.2	505.0	506.2	505.0	502.6	498.3	493.5	488.8
40°	469.5	469.9	467.5	469.1	464.7	464.0	459.6	453.7	445.0	435.6	422.1
42.5°	431.6	430.4	428.9	429.6	426.1	423.3	416.2	408.7	397.7	381.9	365.7
45°	385.1	384.7	383.9	383.5	381.1	378.4	372.4	363.8	351.5	335.3	316.0
47.5°	339.7	338.5	338.5	338.9	336.1	335.7	331.0	323.5	312.9	297.1	277.0
50°	296.3	295.9	296.7	298.3	296.3	295.5	292.3	287.2	277.8	264.3	245.4
52.5°	257.2	256.8	257.6	259.6	258.8	259.6	256.4	252.5	246.2	233.2	216.6
55°	219.0	219.0	219.0	221.3	221.3	221.3	219.7	217.4	211.5	202.0	186.6
57.5°	179.1	179.5	181.9	182.3	181.9	182.7	182.3	179.9	176.0	169.3	157.4
60°	145.6	145.6	146.8	148.0	147.5	148.0	148.0	146.8	142.8	137.3	127.8
62.5°	115.2	116.4	115.6	116.4	118.0	116.4	115.6	114.8	112.0	108.5	100.6
65°	87.2	88.0	88.0	88.4	87.6	88.0	86.4	85.2	83.6	79.7	74.6
67.5°	66.3	66.3	66.3	66.3	65.9	65.5	65.1	63.9	61.2	59.6	54.0
70°	50.9	48.5	48.5	48.5	48.5	48.9	47.7	46.2	45.4	42.6	38.7
72.5°	33.9	34.7	33.9	33.9	33.1	33.5	32.0	31.2	30.4	28.8	26.4
75°	24.5	22.5	23.3	23.7	22.5	23.3	21.7	20.1	20.1	18.9	17.7
77.5°	15.8	15.4	15.8	16.2	15.8	15.4	14.6	13.8	13.8	13.4	12.2
80°	11.4	11.0	11.0	11.0	10.7	11.0	10.3	10.3	9.5	9.1	8.3
82.5°	7.5	7.5	7.1	7.5	7.1	7.5	6.3	6.3	6.3	5.9	5.1
85°	5.1	4.3	4.3	4.7	3.9	4.7	4.3	3.9	3.6	3.6	3.2
87.5°	2.4	2.8	2.4	2.8	2.4	2.4	2.8	2.4	2.4	1.6	1.6
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°	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0
2.5°	804.0	804.4	804.4	806.0	806.8	807.2	807.2	810.4	809.2	810.0	810.7
5°	792.6	795.0	795.8	795.8	800.1	801.7	803.2	806.8	807.2	809.6	812.3
7.5°	781.5	784.3	785.9	789.4	792.2	795.0	799.7	802.1	804.4	807.6	811.1
10°	770.9	774.1	777.2	780.0	784.3	787.9	791.0	796.5	799.3	803.6	808.4
12.5°	760.6	765.0	767.7	772.5	777.2	780.4	785.1	790.2	794.6	798.9	804.4
15°	751.6	756.7	759.9	765.0	770.1	774.4	779.6	785.9	789.0	794.2	799.3
17.5°	741.7	747.2	751.2	755.9	762.2	766.9	771.3	777.6	781.5	787.1	793.0
20°	731.4	737.0	741.7	746.4	752.8	757.5	762.6	768.9	773.3	778.8	783.5
22.5°	719.2	724.4	729.5	735.0	741.3	745.3	751.2	756.7	761.4	766.6	771.3
25°	703.4	709.8	713.7	718.8	723.9	728.3	734.6	740.1	744.1	748.8	753.1
27.5°	684.9	689.6	692.8	697.1	702.3	706.2	710.9	716.5	720.4	724.7	727.9
30°	653.3	657.7	660.4	663.6	668.7	672.3	676.2	681.3	684.1	687.3	690.0
32.5°	611.9	615.5	617.0	619.4	623.0	626.5	629.7	634.0	635.2	637.1	637.1
35°	551.9	552.7	552.3	553.1	554.7	556.7	559.4	562.2	563.8	563.8	562.6
37.5°	481.7	477.0	471.9	467.9	466.7	465.9	467.5	468.7	470.3	471.1	469.1
40°	408.7	398.1	386.6	376.4	369.3	366.1	364.9	365.7	365.7	368.5	368.5
42.5°	346.0	329.4	312.5	297.1	286.8	278.9	275.4	275.4	275.8	277.8	278.9
45°	293.9	273.0	253.3	236.3	222.1	211.9	207.1	205.9	205.6	206.3	209.1
47.5°	254.1	232.4	211.9	191.0	176.0	165.7	161.4	159.8	158.2	159.8	160.2
50°	222.9	200.4	178.7	157.8	142.0	132.9	127.4	125.1	124.7	124.7	125.5
52.5°	194.5	173.6	151.9	130.6	114.0	105.3	100.2	99.0	97.4	99.0	99.0
55°	167.7	146.8	125.5	105.3	91.5	82.5	77.7	76.1	75.3	76.5	76.5
57.5°	138.5	120.7	101.0	82.9	69.0	62.7	59.2	57.2	56.8	57.6	56.8
60°	113.6	98.6	81.7	65.1	54.4	47.7	45.0	44.2	43.4	44.2	44.2
62.5°	89.9	77.3	63.5	50.9	41.8	37.1	33.9	33.9	33.5	33.5	33.9
65°	66.7	56.8	46.9	36.3	29.2	25.6	23.3	23.3	22.9	23.3	22.9
67.5°	48.5	41.8	33.9	26.4	20.9	18.9	17.4	16.2	17.0	16.2	15.8
70°	35.5	30.0	24.5	20.1	16.2	14.2	13.0	12.6	11.8	11.8	11.8
72.5°	23.7	20.1	16.6	13.0	10.7	8.7	8.3	7.5	6.7	7.1	7.9
75°	15.8	13.4	11.8	9.5	7.1	7.1	4.7	4.7	3.9	4.7	3.6
77.5°	11.0	9.1	7.1	5.9	4.7	4.3	3.2	3.2	2.8	2.8	2.8
80°	7.9	6.7	5.1	4.3	3.2	3.2	2.8	2.4	2.0	2.0	2.4
82.5°	4.7	3.6	3.6	3.2	2.0	1.6	1.2	1.6	0.8	0.8	0.8
85°	2.8	2.4	2.0	1.2	0.8	0.8	0.4	0.0	0.4	0.4	0.0
87.5°	1.6	0.8	0.8	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.8
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°	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0
2.5°	812.7	812.3	813.1	813.1	815.5	815.1	816.3	816.3	815.5	815.9	817.4
5°	815.5	816.7	819.0	821.0	824.5	826.1	828.1	830.1	830.5	831.7	832.8
7.5°	815.5	819.4	822.2	825.7	830.5	833.2	837.6	841.1	842.7	844.7	847.0
10°	813.9	817.8	823.0	826.9	832.8	837.2	841.5	847.0	849.4	852.6	855.7
12.5°	810.7	815.1	820.6	825.7	832.4	836.4	841.9	847.0	850.6	854.9	858.5
15°	806.0	811.1	816.3	821.4	828.5	833.2	838.4	844.3	847.8	852.6	855.7
17.5°	798.5	804.0	808.8	813.5	820.2	825.7	830.5	836.0	839.6	843.5	847.8
20°	789.4	794.6	799.7	803.6	810.4	815.1	820.2	825.3	828.1	828.9	835.6
22.5°	778.0	781.5	785.5	791.8	795.8	800.1	804.8	809.6	812.3	816.7	819.0
25°	759.1	762.6	766.9	769.7	774.4	778.0	782.7	787.9	789.4	792.6	795.0
27.5°	732.6	734.6	736.6	738.9	741.7	743.7	746.4	748.8	750.4	752.0	753.5
30°	690.8	690.8	690.8	689.2	690.4	691.6	692.0	691.6	691.6	691.2	691.2
32.5°	635.6	632.4	628.9	625.7	624.5	623.0	622.2	621.0	619.0	617.8	618.2
35°	561.0	553.9	549.6	545.6	542.5	540.1	538.9	537.7	537.3	535.8	534.2
37.5°	467.9	462.8	459.6	457.3	454.5	452.1	452.5	452.9	454.1	453.3	453.7
40°	369.3	368.1	369.3	366.5	365.7	366.5	368.5	371.3	372.8	374.4	377.2
42.5°	280.9	282.9	285.6	285.6	286.8	288.4	290.8	295.1	297.5	300.2	303.4
45°	211.5	213.8	217.4	218.6	219.4	221.3	224.1	227.6	229.2	231.6	234.3
47.5°	162.9	164.5	166.5	168.5	170.4	171.2	174.0	174.0	176.0	177.5	178.3
50°	127.0	128.6	130.2	131.4	132.2	133.4	134.1	135.3	135.7	136.5	136.9
52.5°	99.4	101.4	101.4	102.2	103.4	104.5	104.2	104.5	104.9	104.9	106.1
55°	77.7	77.7	78.9	78.9	79.7	79.3	79.7	79.7	79.7	79.7	80.1
57.5°	58.0	58.4	59.6	58.8	58.4	59.2	58.4	59.2	58.8	59.6	58.4
60°	44.6	44.6	45.0	45.0	45.4	45.4	45.4	45.0	45.0	44.6	44.6
62.5°	33.5	33.9	34.3	33.9	33.9	33.9	33.5	33.5	33.1	32.7	32.7
65°	22.5	22.1	22.9	22.1	22.5	22.5	22.1	22.5	21.3	21.7	21.3
67.5°	16.2	15.8	15.4	15.8	15.4	15.0	15.0	15.4	15.8	14.6	14.6
70°	10.7	11.0	10.7	11.0	11.4	11.4	11.0	10.7	11.0	10.3	10.7
72.5°	6.7	6.7	6.7	6.7	6.7	7.1	7.1	7.1	6.3	6.3	5.9
75°	3.2	4.3	3.6	3.2	4.3	4.3	3.9	3.9	3.6	3.6	3.6
77.5°	3.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.0	2.4	2.0
80°	1.6	1.6	1.6	1.2	1.6	1.6	2.0	1.6	1.6	1.2	2.0
82.5°	0.8	0.8	0.8	0.0	0.4	0.8	0.8	0.4	0.8	0.8	0.4
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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0
2.5°	817.1	816.7	817.1	817.4	817.1	816.7	817.1	817.4	815.9	815.5	816.3
5°	834.4	834.4	835.2	835.6	835.2	834.4	834.4	832.8	831.7	830.5	830.1
7.5°	849.4	850.2	851.0	851.4	851.0	850.2	849.4	847.0	844.7	842.7	841.1
10°	858.5	859.7	861.2	862.0	861.2	859.7	858.5	855.7	852.6	849.4	847.0
12.5°	862.4	863.6	865.6	865.2	865.6	863.6	862.4	858.5	854.9	850.6	847.0
15°	859.7	861.2	863.2	864.0	863.2	861.2	859.7	855.7	852.6	847.8	844.3
17.5°	851.0	853.4	854.5	855.7	854.5	853.4	851.0	847.8	843.5	839.6	836.0
20°	839.1	840.7	842.3	842.7	842.3	840.7	839.1	835.6	828.9	828.1	825.3
22.5°	822.2	823.4	826.9	825.7	826.9	823.4	822.2	819.0	816.7	812.3	809.6
25°	797.7	798.9	799.3	799.7	799.3	798.9	797.7	795.0	792.6	789.4	787.9
27.5°	755.5	755.5	756.3	756.7	756.3	755.5	755.5	753.5	752.0	750.4	748.8
30°	691.6	691.6	691.6	693.6	691.6	691.6	691.6	691.2	691.2	691.6	691.6
32.5°	617.8	617.0	616.2	617.0	616.2	617.0	617.8	618.2	617.8	619.0	621.0
35°	534.2	533.8	535.0	533.4	535.0	533.8	534.2	534.2	535.8	537.3	537.7
37.5°	454.1	453.3	454.9	453.3	454.9	453.3	454.1	453.7	453.3	454.1	452.9
40°	378.0	378.7	378.7	381.9	378.7	378.7	378.0	377.2	374.4	372.8	371.3
42.5°	305.0	307.3	306.5	308.9	306.5	307.3	305.0	303.4	300.2	297.5	295.1
45°	235.9	237.5	237.5	238.3	237.5	237.5	235.9	234.3	231.6	229.2	227.6
47.5°	181.1	181.1	181.1	181.5	181.1	181.1	181.1	178.3	177.5	176.0	174.0
50°	137.7	138.1	138.5	138.9	138.5	138.1	137.7	136.9	136.5	135.7	135.3
52.5°	105.7	106.1	105.3	106.1	105.3	106.1	105.7	106.1	104.9	104.9	104.5
55°	80.1	79.7	80.1	80.5	80.1	79.7	80.1	80.1	79.7	79.7	79.7
57.5°	58.8	58.0	58.0	58.0	58.0	58.0	58.8	58.4	59.6	58.8	59.2
60°	43.8	44.2	44.2	44.6	44.2	44.2	43.8	44.6	44.6	45.0	45.0
62.5°	32.3	33.5	32.7	33.5	32.7	33.5	32.3	32.7	32.7	33.1	33.5
65°	20.9	20.9	20.9	21.3	20.9	20.9	20.9	21.3	21.7	21.3	22.5
67.5°	14.2	14.6	15.4	15.0	15.4	14.6	14.2	14.6	14.6	15.8	15.4
70°	11.4	10.3	10.3	11.4	10.3	10.3	11.4	10.7	10.3	11.0	10.7
72.5°	6.7	5.9	6.7	6.7	6.7	5.9	6.7	5.9	6.3	6.3	7.1
75°	3.6	3.2	2.8	3.9	2.8	3.2	3.6	3.6	3.6	3.6	3.9
77.5°	2.4	2.0	2.8	2.8	2.8	2.0	2.4	2.0	2.4	2.0	2.4
80°	1.2	1.6	1.2	2.0	1.2	1.6	1.2	2.0	1.2	1.6	1.6
82.5°	0.4	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.8	0.4
85°	0.0	0.8	0.4	0.4	0.4	0.8	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.4	0.0	0.0	0.4	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: P246007

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0
2.5°	816.3	815.1	815.5	813.1	813.1	812.3	812.7	810.7	810.0	809.2	810.4
5°	828.1	826.1	824.5	821.0	819.0	816.7	815.5	812.3	809.6	807.2	806.8
7.5°	837.6	833.2	830.5	825.7	822.2	819.4	815.5	811.1	807.6	804.4	802.1
10°	841.5	837.2	832.8	826.9	823.0	817.8	813.9	808.4	803.6	799.3	796.5
12.5°	841.9	836.4	832.4	825.7	820.6	815.1	810.7	804.4	798.9	794.6	790.2
15°	838.4	833.2	828.5	821.4	816.3	811.1	806.0	799.3	794.2	789.0	785.9
17.5°	830.5	825.7	820.2	813.5	808.8	804.0	798.5	793.0	787.1	781.5	777.6
20°	820.2	815.1	810.4	803.6	799.7	794.6	789.4	783.5	778.8	773.3	768.9
22.5°	804.8	800.1	795.8	791.8	785.5	781.5	778.0	771.3	766.6	761.4	756.7
25°	782.7	778.0	774.4	769.7	766.9	762.6	759.1	753.1	748.8	744.1	740.1
27.5°	746.4	743.7	741.7	738.9	736.6	734.6	732.6	727.9	724.7	720.4	716.5
30°	692.0	691.6	690.4	689.2	690.8	690.8	690.8	690.0	687.3	684.1	681.3
32.5°	622.2	623.0	624.5	625.7	628.9	632.4	635.6	637.1	637.1	635.2	634.0
35°	538.9	540.1	542.5	545.6	549.6	553.9	561.0	562.6	563.8	563.8	562.2
37.5°	452.5	452.1	454.5	457.3	459.6	462.8	467.9	469.1	471.1	470.3	468.7
40°	368.5	366.5	365.7	366.5	369.3	368.1	369.3	368.5	368.5	365.7	365.7
42.5°	290.8	288.4	286.8	285.6	285.6	282.9	280.9	278.9	277.8	275.8	275.4
45°	224.1	221.3	219.4	218.6	217.4	213.8	211.5	209.1	206.3	205.6	205.9
47.5°	174.0	171.2	170.4	168.5	166.5	164.5	162.9	160.2	159.8	158.2	159.8
50°	134.1	133.4	132.2	131.4	130.2	128.6	127.0	125.5	124.7	124.7	125.1
52.5°	104.2	104.5	103.4	102.2	101.4	101.4	99.4	99.0	99.0	97.4	99.0
55°	79.7	79.3	79.7	78.9	78.9	77.7	77.7	76.5	76.5	75.3	76.1
57.5°	58.4	59.2	58.4	58.8	59.6	58.4	58.0	56.8	57.6	56.8	57.2
60°	45.4	45.4	45.4	45.0	45.0	44.6	44.6	44.2	44.2	43.4	44.2
62.5°	33.5	33.9	33.9	33.9	34.3	33.9	33.5	33.9	33.5	33.5	33.9
65°	22.1	22.5	22.5	22.1	22.9	22.1	22.5	22.9	23.3	22.9	23.3
67.5°	15.0	15.0	15.4	15.8	15.4	15.8	16.2	15.8	16.2	17.0	16.2
70°	11.0	11.4	11.4	11.0	10.7	11.0	10.7	11.8	11.8	11.8	12.6
72.5°	7.1	7.1	6.7	6.7	6.7	6.7	6.7	7.9	7.1	6.7	7.5
75°	3.9	4.3	4.3	3.2	3.6	4.3	3.2	3.6	4.7	3.9	4.7
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	3.2	2.8	2.8	2.8	3.2
80°	2.0	1.6	1.6	1.2	1.6	1.6	1.6	2.4	2.0	2.0	2.4
82.5°	0.8	0.8	0.4	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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: P246007

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0
2.5°	807.2	807.2	806.8	806.0	804.4	804.4	804.0	802.9	802.1	801.7	801.7
5°	803.2	801.7	800.1	795.8	795.8	795.0	792.6	791.0	790.2	788.3	787.5
7.5°	799.7	795.0	792.2	789.4	785.9	784.3	781.5	780.4	777.6	775.6	774.4
10°	791.0	787.9	784.3	780.0	777.2	774.1	770.9	768.5	765.0	763.0	761.4
12.5°	785.1	780.4	777.2	772.5	767.7	765.0	760.6	757.9	754.3	750.4	748.0
15°	779.6	774.4	770.1	765.0	759.9	756.7	751.6	748.4	743.3	739.3	736.6
17.5°	771.3	766.9	762.2	755.9	751.2	747.2	741.7	737.8	733.0	727.9	725.1
20°	762.6	757.5	752.8	746.4	741.7	737.0	731.4	727.1	721.6	716.8	713.7
22.5°	751.2	745.3	741.3	735.0	729.5	724.4	719.2	714.1	709.0	705.0	701.5
25°	734.6	728.3	723.9	718.8	713.7	709.8	703.4	700.3	695.2	691.6	688.0
27.5°	710.9	706.2	702.3	697.1	692.8	689.6	684.9	681.7	677.4	674.2	671.5
30°	676.2	672.3	668.7	663.6	660.4	657.7	653.3	650.6	647.4	643.9	643.1
32.5°	629.7	626.5	623.0	619.4	617.0	615.5	611.9	610.3	607.2	605.2	603.2
35°	559.4	556.7	554.7	553.1	552.3	552.7	551.9	553.5	554.3	553.9	554.3
37.5°	467.5	465.9	466.7	467.9	471.9	477.0	481.7	488.8	493.5	498.3	502.6
40°	364.9	366.1	369.3	376.4	386.6	398.1	408.7	422.1	435.6	445.0	453.7
42.5°	275.4	278.9	286.8	297.1	312.5	329.4	346.0	365.7	381.9	397.7	408.7
45°	207.1	211.9	222.1	236.3	253.3	273.0	293.9	316.0	335.3	351.5	363.8
47.5°	161.4	165.7	176.0	191.0	211.9	232.4	254.1	277.0	297.1	312.9	323.5
50°	127.4	132.9	142.0	157.8	178.7	200.4	222.9	245.4	264.3	277.8	287.2
52.5°	100.2	105.3	114.0	130.6	151.9	173.6	194.5	216.6	233.2	246.2	252.5
55°	77.7	82.5	91.5	105.3	125.5	146.8	167.7	186.6	202.0	211.5	217.4
57.5°	59.2	62.7	69.0	82.9	101.0	120.7	138.5	157.4	169.3	176.0	179.9
60°	45.0	47.7	54.4	65.1	81.7	98.6	113.6	127.8	137.3	142.8	146.8
62.5°	33.9	37.1	41.8	50.9	63.5	77.3	89.9	100.6	108.5	112.0	114.8
65°	23.3	25.6	29.2	36.3	46.9	56.8	66.7	74.6	79.7	83.6	85.2
67.5°	17.4	18.9	20.9	26.4	33.9	41.8	48.5	54.0	59.6	61.2	63.9
70°	13.0	14.2	16.2	20.1	24.5	30.0	35.5	38.7	42.6	45.4	46.2
72.5°	8.3	8.7	10.7	13.0	16.6	20.1	23.7	26.4	28.8	30.4	31.2
75°	4.7	7.1	7.1	9.5	11.8	13.4	15.8	17.7	18.9	20.1	20.1
77.5°	3.2	4.3	4.7	5.9	7.1	9.1	11.0	12.2	13.4	13.8	13.8
80°	2.8	3.2	3.2	4.3	5.1	6.7	7.9	8.3	9.1	9.5	10.3
82.5°	1.2	1.6	2.0	3.2	3.6	3.6	4.7	5.1	5.9	6.3	6.3
85°	0.4	0.8	0.8	1.2	2.0	2.4	2.8	3.2	3.6	3.6	3.9
87.5°	0.4	0.4	0.0	0.4	0.8	0.8	1.6	1.6	1.6	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246007

CATALOG NUMBER: LSR8B15D010 EC8B15940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	808.0	808.0	808.0	808.0	808.0	808.0	808.0
2.5°	800.9	801.3	799.7	799.3	798.5	798.9	799.7
5°	786.3	786.7	785.1	783.5	783.5	783.1	783.5
7.5°	772.5	772.9	770.5	769.7	768.1	768.5	768.5
10°	758.7	758.7	755.1	754.7	753.5	753.1	753.1
12.5°	745.3	744.1	741.3	739.7	740.5	738.2	738.2
15°	733.4	731.4	727.9	726.7	724.7	723.9	723.9
17.5°	721.2	719.6	716.5	714.1	711.7	711.3	711.7
20°	709.3	707.8	703.8	702.3	700.3	700.3	699.5
22.5°	697.5	695.9	692.4	691.2	688.4	688.4	688.8
25°	685.3	684.1	680.1	679.4	679.0	677.4	678.2
27.5°	668.7	667.9	664.8	663.6	662.0	661.6	662.4
30°	638.3	637.1	634.8	633.6	630.8	631.2	632.0
32.5°	600.5	598.9	595.7	594.5	592.2	591.4	591.8
35°	553.1	551.9	549.2	549.2	546.8	546.0	546.8
37.5°	505.0	506.2	505.0	506.2	505.0	504.6	505.0
40°	459.6	464.0	464.7	469.1	467.5	469.9	469.5
42.5°	416.2	423.3	426.1	429.6	428.9	430.4	431.6
45°	372.4	378.4	381.1	383.5	383.9	384.7	385.1
47.5°	331.0	335.7	336.1	338.9	338.5	338.5	339.7
50°	292.3	295.5	296.3	298.3	296.7	295.9	296.3
52.5°	256.4	259.6	258.8	259.6	257.6	256.8	257.2
55°	219.7	221.3	221.3	221.3	219.0	219.0	219.0
57.5°	182.3	182.7	181.9	182.3	181.9	179.5	179.1
60°	148.0	148.0	147.5	148.0	146.8	145.6	145.6
62.5°	115.6	116.4	118.0	116.4	115.6	116.4	115.2
65°	86.4	88.0	87.6	88.4	88.0	88.0	87.2
67.5°	65.1	65.5	65.9	66.3	66.3	66.3	66.3
70°	47.7	48.9	48.5	48.5	48.5	48.5	50.9
72.5°	32.0	33.5	33.1	33.9	33.9	34.7	33.9
75°	21.7	23.3	22.5	23.7	23.3	22.5	24.5
77.5°	14.6	15.4	15.8	16.2	15.8	15.4	15.8
80°	10.3	11.0	10.7	11.0	11.0	11.0	11.4
82.5°	6.3	7.5	7.1	7.5	7.1	7.5	7.5
85°	4.3	4.7	3.9	4.7	4.3	4.3	5.1
87.5°	2.8	2.4	2.4	2.8	2.4	2.8	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)