

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: P244999

Luminaire Tested: **LSR8B15D010 EC8B15940 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244999
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.0 lumens
Efficiency: N/A
Efficacy: 94.7 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

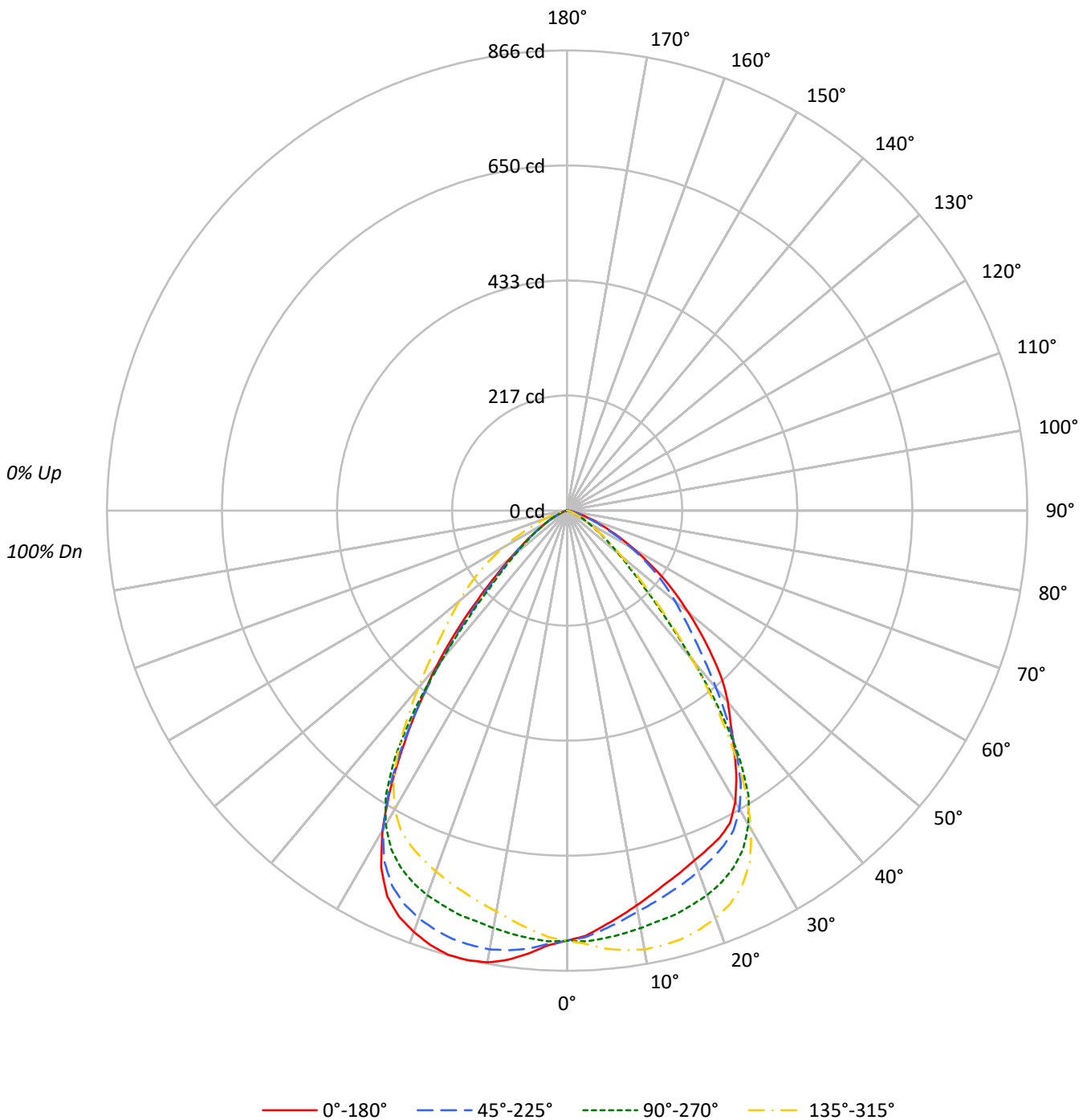
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	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°	24953	24953	24953	24953
5°	24290	25011	25902	25011
10°	23619	24978	27032	24978
15°	23145	25127	27624	25127
20°	22987	25271	27693	25271
25°	23109	25219	27250	25219
30°	22535	24294	24732	24294
35°	20614	21194	20110	21194
40°	18927	14745	15397	14745
45°	16816	8992	10405	8992
50°	14234	6006	6673	6006
55°	11790	4102	4333	4102
60°	8992	2732	2751	2732
65°	6370	1700	1554	1700
70°	4598	1136	1037	1136
75°	2919	560	477	560
80°	2042	426	355	426
85°	1804	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	5.7
10°-20°	223.0	16.4
20°-30°	337.7	24.8
30°-40°	338.5	24.8
40°-50°	212.5	15.6
50°-60°	113.3	8.3
60°-70°	46.6	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°	637.8	46.8
0°-40°	976.2	71.6
0°-60°	1302.0	95.5
0°-90°	1363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	809	809	809	809	809	
5°	785	808	837	808	785	74
15°	725	787	865	787	725	205
25°	679	741	801	741	679	312
35°	548	563	534	563	548	343
45°	386	206	239	206	386	297
55°	219	76	81	76	219	196
65°	87	23	21	23	87	91
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°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2
2.5°	800.9	800.1	799.7	800.5	800.9	802.5	802.1	802.8	802.8	803.3	804.0
5°	784.7	784.3	784.7	784.7	786.3	787.8	787.4	788.6	789.4	791.4	792.2
7.5°	769.7	769.7	769.3	770.8	771.6	774.0	773.6	775.6	776.8	778.7	781.5
10°	754.3	754.3	754.6	755.8	756.2	759.8	759.8	762.5	764.1	766.1	769.7
12.5°	739.2	739.2	741.6	740.8	742.4	745.2	746.3	749.1	751.5	755.4	759.0
15°	725.0	725.0	725.8	727.8	729.0	732.5	734.5	737.7	740.4	744.4	749.5
17.5°	712.8	712.4	712.8	715.1	717.5	720.7	722.2	726.2	729.0	734.1	738.8
20°	700.5	701.3	701.3	703.3	704.9	708.8	710.4	714.7	717.9	722.6	728.2
22.5°	689.9	689.5	689.5	692.2	693.4	697.0	698.5	702.5	706.0	710.0	715.1
25°	679.2	678.4	680.0	680.4	681.1	685.1	686.3	689.1	692.6	696.2	701.3
27.5°	663.4	662.6	663.0	664.6	665.7	668.9	669.7	672.5	675.2	678.4	682.7
30°	632.9	632.2	631.8	634.5	635.7	638.1	639.3	644.0	644.8	648.4	651.5
32.5°	592.6	592.3	593.1	595.4	596.6	599.8	601.3	604.1	606.1	608.1	611.2
35°	547.6	546.8	547.6	550.0	550.0	552.8	553.9	555.1	554.7	555.1	554.3
37.5°	505.7	505.3	505.7	506.9	505.7	506.9	505.7	503.4	499.0	494.3	489.5
40°	470.2	470.6	468.2	469.8	465.4	464.6	460.3	454.4	445.7	436.2	422.8
42.5°	432.2	431.1	429.5	430.3	426.7	423.9	416.8	409.3	398.3	382.5	366.3
45°	385.6	385.2	384.4	384.0	381.7	378.9	373.0	364.3	352.0	335.8	316.5
47.5°	340.2	339.0	339.0	339.4	336.6	336.2	331.5	324.0	313.3	297.5	277.4
50°	296.7	296.3	297.1	298.7	296.7	295.9	292.8	287.6	278.2	264.7	245.7
52.5°	257.6	257.2	258.0	260.0	259.2	260.0	256.8	252.9	246.5	233.5	216.9
55°	219.3	219.3	219.3	221.6	221.6	221.6	220.1	217.7	211.8	202.3	186.9
57.5°	179.4	179.8	182.1	182.5	182.1	182.9	182.5	180.2	176.2	169.5	157.7
60°	145.8	145.8	147.0	148.2	147.8	148.2	148.2	147.0	143.0	137.5	128.0
62.5°	115.4	116.6	115.8	116.6	118.1	116.6	115.8	115.0	112.2	108.7	100.7
65°	87.3	88.1	88.1	88.5	87.7	88.1	86.5	85.3	83.8	79.8	74.7
67.5°	66.4	66.4	66.4	66.4	66.0	65.6	65.2	64.0	61.2	59.7	54.1
70°	51.0	48.6	48.6	48.6	48.6	49.0	47.8	46.2	45.4	42.7	38.7
72.5°	34.0	34.8	34.0	34.0	33.2	33.6	32.0	31.2	30.4	28.9	26.5
75°	24.5	22.5	23.3	23.7	22.5	23.3	21.7	20.1	20.1	19.0	17.8
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°	11.5	11.1	11.1	11.1	10.7	11.1	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	4.0	4.7	4.3	4.0	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°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2
2.5°	805.2	805.6	805.6	807.2	808.0	808.4	808.4	811.5	810.4	811.2	811.9
5°	793.8	796.1	796.9	796.9	801.3	802.8	804.4	808.0	808.4	810.7	813.5
7.5°	782.7	785.5	787.1	790.6	793.4	796.1	800.9	803.3	805.6	808.8	812.3
10°	772.0	775.2	778.4	781.1	785.5	789.0	792.2	797.7	800.5	804.8	809.6
12.5°	761.8	766.1	768.9	773.6	778.4	781.5	786.3	791.4	795.7	800.1	805.6
15°	752.7	757.8	761.0	766.1	771.2	775.6	780.7	787.1	790.2	795.3	800.5
17.5°	742.8	748.3	752.3	757.0	763.3	768.1	772.4	778.7	782.7	788.2	794.2
20°	732.5	738.1	742.8	747.5	753.9	758.6	763.7	770.1	774.4	779.9	784.7
22.5°	720.3	725.4	730.5	736.1	742.4	746.3	752.3	757.8	762.5	767.7	772.4
25°	704.5	710.8	714.7	719.9	725.0	729.4	735.7	741.2	745.2	749.9	754.3
27.5°	685.9	690.6	693.8	698.1	703.3	707.2	712.0	717.5	721.5	725.8	729.0
30°	654.3	658.6	661.4	664.6	669.7	673.3	677.2	682.3	685.1	688.3	691.0
32.5°	612.8	616.4	617.9	620.3	623.9	627.4	630.6	634.9	636.1	638.1	638.1
35°	552.8	553.5	553.1	553.9	555.5	557.5	560.3	563.0	564.6	564.6	563.4
37.5°	482.4	477.7	472.5	468.6	467.4	466.6	468.2	469.4	471.0	471.8	469.8
40°	409.3	398.7	387.2	376.9	369.8	366.7	365.5	366.3	366.3	369.0	369.0
42.5°	346.5	329.9	312.9	297.5	287.2	279.3	275.8	275.8	276.2	278.2	279.3
45°	294.4	273.4	253.7	236.7	222.4	212.2	207.4	206.2	205.9	206.6	209.4
47.5°	254.4	232.7	212.2	191.2	176.2	165.9	161.6	160.0	158.4	160.0	160.4
50°	223.2	200.7	179.0	158.0	142.2	133.1	127.6	125.2	124.8	124.8	125.6
52.5°	194.8	173.8	152.1	130.8	114.2	105.5	100.4	99.2	97.6	99.2	99.2
55°	167.9	147.0	125.6	105.5	91.7	82.6	77.8	76.3	75.5	76.6	76.6
57.5°	138.7	120.9	101.2	83.0	69.1	62.8	59.3	57.3	56.9	57.7	56.9
60°	113.8	98.8	81.8	65.2	54.5	47.8	45.0	44.3	43.5	44.3	44.3
62.5°	90.1	77.4	63.6	51.0	41.9	37.1	34.0	34.0	33.6	33.6	34.0
65°	66.8	56.9	47.0	36.3	29.2	25.7	23.3	23.3	22.9	23.3	22.9
67.5°	48.6	41.9	34.0	26.5	20.9	19.0	17.4	16.2	17.0	16.2	15.8
70°	35.6	30.0	24.5	20.1	16.2	14.2	13.0	12.6	11.9	11.9	11.9
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	11.9	9.5	7.1	7.1	4.7	4.7	4.0	4.7	3.6
77.5°	11.1	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°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2
2.5°	813.9	813.5	814.3	814.3	816.7	816.3	817.5	817.5	816.7	817.1	818.7
5°	816.7	817.9	820.2	822.2	825.8	827.4	829.3	831.3	831.7	832.9	834.1
7.5°	816.7	820.6	823.4	826.9	831.7	834.5	838.8	842.4	843.9	845.9	848.3
10°	815.1	819.0	824.2	828.1	834.1	838.4	842.8	848.3	850.7	853.8	857.0
12.5°	811.9	816.3	821.8	826.9	833.7	837.6	843.1	848.3	851.8	856.2	859.7
15°	807.2	812.3	817.5	822.6	829.7	834.5	839.6	845.5	849.1	853.8	857.0
17.5°	799.7	805.2	810.0	814.7	821.4	826.9	831.7	837.2	840.8	844.7	849.1
20°	790.6	795.7	800.9	804.8	811.5	816.3	821.4	826.6	829.3	830.1	836.8
22.5°	779.1	782.7	786.6	793.0	796.9	801.3	806.0	810.7	813.5	817.9	820.2
25°	760.2	763.7	768.1	770.8	775.6	779.1	783.9	789.0	790.6	793.8	796.1
27.5°	733.7	735.7	737.7	740.0	742.8	744.8	747.5	749.9	751.5	753.1	754.6
30°	691.8	691.8	691.8	690.2	691.4	692.6	693.0	692.6	692.6	692.2	692.2
32.5°	636.5	633.4	629.8	626.6	625.4	623.9	623.1	621.9	619.9	618.7	619.1
35°	561.8	554.7	550.4	546.4	543.3	540.9	539.7	538.5	538.1	536.6	535.0
37.5°	468.6	463.5	460.3	457.9	455.2	452.8	453.2	453.6	454.8	454.0	454.4
40°	369.8	368.6	369.8	367.1	366.3	367.1	369.0	371.8	373.4	375.0	377.7
42.5°	281.3	283.3	286.1	286.1	287.2	288.8	291.2	295.5	297.9	300.7	303.8
45°	211.8	214.1	217.7	218.9	219.7	221.6	224.4	228.0	229.5	231.9	234.7
47.5°	163.2	164.8	166.7	168.7	170.7	171.5	174.2	174.2	176.2	177.8	178.6
50°	127.2	128.8	130.4	131.6	132.4	133.5	134.3	135.5	135.9	136.7	137.1
52.5°	99.6	101.5	101.5	102.3	103.5	104.7	104.3	104.7	105.1	105.1	106.3
55°	77.8	77.8	79.0	79.0	79.8	79.4	79.8	79.8	79.8	79.8	80.2
57.5°	58.1	58.5	59.7	58.9	58.5	59.3	58.5	59.3	58.9	59.7	58.5
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°	33.6	34.0	34.4	34.0	34.0	34.0	33.6	33.6	33.2	32.8	32.8
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	11.1	10.7	11.1	11.5	11.5	11.1	10.7	11.1	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	4.0	4.0	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°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2
2.5°	818.3	817.9	818.3	818.7	818.3	817.9	818.3	818.7	817.1	816.7	817.5
5°	835.6	835.6	836.4	836.8	836.4	835.6	835.6	834.1	832.9	831.7	831.3
7.5°	850.7	851.5	852.2	852.6	852.2	851.5	850.7	848.3	845.9	843.9	842.4
10°	859.7	860.9	862.5	863.3	862.5	860.9	859.7	857.0	853.8	850.7	848.3
12.5°	863.7	864.9	866.9	866.5	866.9	864.9	863.7	859.7	856.2	851.8	848.3
15°	860.9	862.5	864.5	865.3	864.5	862.5	860.9	857.0	853.8	849.1	845.5
17.5°	852.2	854.6	855.8	857.0	855.8	854.6	852.2	849.1	844.7	840.8	837.2
20°	840.4	842.0	843.5	843.9	843.5	842.0	840.4	836.8	830.1	829.3	826.6
22.5°	823.4	824.6	828.1	826.9	828.1	824.6	823.4	820.2	817.9	813.5	810.7
25°	798.9	800.1	800.5	800.9	800.5	800.1	798.9	796.1	793.8	790.6	789.0
27.5°	756.6	756.6	757.4	757.8	757.4	756.6	756.6	754.6	753.1	751.5	749.9
30°	692.6	692.6	692.6	694.6	692.6	692.6	692.6	692.2	692.2	692.6	692.6
32.5°	618.7	617.9	617.2	617.9	617.2	617.9	618.7	619.1	618.7	619.9	621.9
35°	535.0	534.6	535.8	534.2	535.8	534.6	535.0	535.0	536.6	538.1	538.5
37.5°	454.8	454.0	455.6	454.0	455.6	454.0	454.8	454.4	454.0	454.8	453.6
40°	378.5	379.3	379.3	382.5	379.3	379.3	378.5	377.7	375.0	373.4	371.8
42.5°	305.4	307.8	307.0	309.4	307.0	307.8	305.4	303.8	300.7	297.9	295.5
45°	236.3	237.9	237.9	238.6	237.9	237.9	236.3	234.7	231.9	229.5	228.0
47.5°	181.3	181.3	181.3	181.8	181.3	181.3	181.3	178.6	177.8	176.2	174.2
50°	137.9	138.3	138.7	139.1	138.7	138.3	137.9	137.1	136.7	135.9	135.5
52.5°	105.9	106.3	105.5	106.3	105.5	106.3	105.9	106.3	105.1	105.1	104.7
55°	80.2	79.8	80.2	80.6	80.2	79.8	80.2	80.2	79.8	79.8	79.8
57.5°	58.9	58.1	58.1	58.1	58.1	58.1	58.9	58.5	59.7	58.9	59.3
60°	43.9	44.3	44.3	44.6	44.3	44.3	43.9	44.6	44.6	45.0	45.0
62.5°	32.4	33.6	32.8	33.6	32.8	33.6	32.4	32.8	32.8	33.2	33.6
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°	11.5	10.3	10.3	11.5	10.3	10.3	11.5	10.7	10.3	11.1	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	4.0	2.8	3.2	3.6	3.6	3.6	3.6	4.0
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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2
2.5°	817.5	816.3	816.7	814.3	814.3	813.5	813.9	811.9	811.2	810.4	811.5
5°	829.3	827.4	825.8	822.2	820.2	817.9	816.7	813.5	810.7	808.4	808.0
7.5°	838.8	834.5	831.7	826.9	823.4	820.6	816.7	812.3	808.8	805.6	803.3
10°	842.8	838.4	834.1	828.1	824.2	819.0	815.1	809.6	804.8	800.5	797.7
12.5°	843.1	837.6	833.7	826.9	821.8	816.3	811.9	805.6	800.1	795.7	791.4
15°	839.6	834.5	829.7	822.6	817.5	812.3	807.2	800.5	795.3	790.2	787.1
17.5°	831.7	826.9	821.4	814.7	810.0	805.2	799.7	794.2	788.2	782.7	778.7
20°	821.4	816.3	811.5	804.8	800.9	795.7	790.6	784.7	779.9	774.4	770.1
22.5°	806.0	801.3	796.9	793.0	786.6	782.7	779.1	772.4	767.7	762.5	757.8
25°	783.9	779.1	775.6	770.8	768.1	763.7	760.2	754.3	749.9	745.2	741.2
27.5°	747.5	744.8	742.8	740.0	737.7	735.7	733.7	729.0	725.8	721.5	717.5
30°	693.0	692.6	691.4	690.2	691.8	691.8	691.8	691.0	688.3	685.1	682.3
32.5°	623.1	623.9	625.4	626.6	629.8	633.4	636.5	638.1	638.1	636.1	634.9
35°	539.7	540.9	543.3	546.4	550.4	554.7	561.8	563.4	564.6	564.6	563.0
37.5°	453.2	452.8	455.2	457.9	460.3	463.5	468.6	469.8	471.8	471.0	469.4
40°	369.0	367.1	366.3	367.1	369.8	368.6	369.8	369.0	369.0	366.3	366.3
42.5°	291.2	288.8	287.2	286.1	286.1	283.3	281.3	279.3	278.2	276.2	275.8
45°	224.4	221.6	219.7	218.9	217.7	214.1	211.8	209.4	206.6	205.9	206.2
47.5°	174.2	171.5	170.7	168.7	166.7	164.8	163.2	160.4	160.0	158.4	160.0
50°	134.3	133.5	132.4	131.6	130.4	128.8	127.2	125.6	124.8	124.8	125.2
52.5°	104.3	104.7	103.5	102.3	101.5	101.5	99.6	99.2	99.2	97.6	99.2
55°	79.8	79.4	79.8	79.0	79.0	77.8	77.8	76.6	76.6	75.5	76.3
57.5°	58.5	59.3	58.5	58.9	59.7	58.5	58.1	56.9	57.7	56.9	57.3
60°	45.4	45.4	45.4	45.0	45.0	44.6	44.6	44.3	44.3	43.5	44.3
62.5°	33.6	34.0	34.0	34.0	34.4	34.0	33.6	34.0	33.6	33.6	34.0
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°	11.1	11.5	11.5	11.1	10.7	11.1	10.7	11.9	11.9	11.9	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°	4.0	4.3	4.3	3.2	3.6	4.3	3.2	3.6	4.7	4.0	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



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2
2.5°	808.4	808.4	808.0	807.2	805.6	805.6	805.2	804.0	803.3	802.8	802.8
5°	804.4	802.8	801.3	796.9	796.9	796.1	793.8	792.2	791.4	789.4	788.6
7.5°	800.9	796.1	793.4	790.6	787.1	785.5	782.7	781.5	778.7	776.8	775.6
10°	792.2	789.0	785.5	781.1	778.4	775.2	772.0	769.7	766.1	764.1	762.5
12.5°	786.3	781.5	778.4	773.6	768.9	766.1	761.8	759.0	755.4	751.5	749.1
15°	780.7	775.6	771.2	766.1	761.0	757.8	752.7	749.5	744.4	740.4	737.7
17.5°	772.4	768.1	763.3	757.0	752.3	748.3	742.8	738.8	734.1	729.0	726.2
20°	763.7	758.6	753.9	747.5	742.8	738.1	732.5	728.2	722.6	717.9	714.7
22.5°	752.3	746.3	742.4	736.1	730.5	725.4	720.3	715.1	710.0	706.0	702.5
25°	735.7	729.4	725.0	719.9	714.7	710.8	704.5	701.3	696.2	692.6	689.1
27.5°	712.0	707.2	703.3	698.1	693.8	690.6	685.9	682.7	678.4	675.2	672.5
30°	677.2	673.3	669.7	664.6	661.4	658.6	654.3	651.5	648.4	644.8	644.0
32.5°	630.6	627.4	623.9	620.3	617.9	616.4	612.8	611.2	608.1	606.1	604.1
35°	560.3	557.5	555.5	553.9	553.1	553.5	552.8	554.3	555.1	554.7	555.1
37.5°	468.2	466.6	467.4	468.6	472.5	477.7	482.4	489.5	494.3	499.0	503.4
40°	365.5	366.7	369.8	376.9	387.2	398.7	409.3	422.8	436.2	445.7	454.4
42.5°	275.8	279.3	287.2	297.5	312.9	329.9	346.5	366.3	382.5	398.3	409.3
45°	207.4	212.2	222.4	236.7	253.7	273.4	294.4	316.5	335.8	352.0	364.3
47.5°	161.6	165.9	176.2	191.2	212.2	232.7	254.4	277.4	297.5	313.3	324.0
50°	127.6	133.1	142.2	158.0	179.0	200.7	223.2	245.7	264.7	278.2	287.6
52.5°	100.4	105.5	114.2	130.8	152.1	173.8	194.8	216.9	233.5	246.5	252.9
55°	77.8	82.6	91.7	105.5	125.6	147.0	167.9	186.9	202.3	211.8	217.7
57.5°	59.3	62.8	69.1	83.0	101.2	120.9	138.7	157.7	169.5	176.2	180.2
60°	45.0	47.8	54.5	65.2	81.8	98.8	113.8	128.0	137.5	143.0	147.0
62.5°	34.0	37.1	41.9	51.0	63.6	77.4	90.1	100.7	108.7	112.2	115.0
65°	23.3	25.7	29.2	36.3	47.0	56.9	66.8	74.7	79.8	83.8	85.3
67.5°	17.4	19.0	20.9	26.5	34.0	41.9	48.6	54.1	59.7	61.2	64.0
70°	13.0	14.2	16.2	20.1	24.5	30.0	35.6	38.7	42.7	45.4	46.2
72.5°	8.3	8.7	10.7	13.0	16.6	20.1	23.7	26.5	28.9	30.4	31.2
75°	4.7	7.1	7.1	9.5	11.9	13.4	15.8	17.8	19.0	20.1	20.1
77.5°	3.2	4.3	4.7	5.9	7.1	9.1	11.1	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	4.0
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: P244999

CATALOG NUMBER: LSR8B15D010 EC8B15940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	809.2	809.2	809.2	809.2	809.2	809.2	809.2
2.5°	802.1	802.5	800.9	800.5	799.7	800.1	800.9
5°	787.4	787.8	786.3	784.7	784.7	784.3	784.7
7.5°	773.6	774.0	771.6	770.8	769.3	769.7	769.7
10°	759.8	759.8	756.2	755.8	754.6	754.3	754.3
12.5°	746.3	745.2	742.4	740.8	741.6	739.2	739.2
15°	734.5	732.5	729.0	727.8	725.8	725.0	725.0
17.5°	722.2	720.7	717.5	715.1	712.8	712.4	712.8
20°	710.4	708.8	704.9	703.3	701.3	701.3	700.5
22.5°	698.5	697.0	693.4	692.2	689.5	689.5	689.9
25°	686.3	685.1	681.1	680.4	680.0	678.4	679.2
27.5°	669.7	668.9	665.7	664.6	663.0	662.6	663.4
30°	639.3	638.1	635.7	634.5	631.8	632.2	632.9
32.5°	601.3	599.8	596.6	595.4	593.1	592.3	592.6
35°	553.9	552.8	550.0	550.0	547.6	546.8	547.6
37.5°	505.7	506.9	505.7	506.9	505.7	505.3	505.7
40°	460.3	464.6	465.4	469.8	468.2	470.6	470.2
42.5°	416.8	423.9	426.7	430.3	429.5	431.1	432.2
45°	373.0	378.9	381.7	384.0	384.4	385.2	385.6
47.5°	331.5	336.2	336.6	339.4	339.0	339.0	340.2
50°	292.8	295.9	296.7	298.7	297.1	296.3	296.7
52.5°	256.8	260.0	259.2	260.0	258.0	257.2	257.6
55°	220.1	221.6	221.6	221.6	219.3	219.3	219.3
57.5°	182.5	182.9	182.1	182.5	182.1	179.8	179.4
60°	148.2	148.2	147.8	148.2	147.0	145.8	145.8
62.5°	115.8	116.6	118.1	116.6	115.8	116.6	115.4
65°	86.5	88.1	87.7	88.5	88.1	88.1	87.3
67.5°	65.2	65.6	66.0	66.4	66.4	66.4	66.4
70°	47.8	49.0	48.6	48.6	48.6	48.6	51.0
72.5°	32.0	33.6	33.2	34.0	34.0	34.8	34.0
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	11.1	10.7	11.1	11.1	11.1	11.5
82.5°	6.3	7.5	7.1	7.5	7.1	7.5	7.5
85°	4.3	4.7	4.0	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)