

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: P246013

Luminaire Tested: **LD8B15D010 ER8B15950 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246013
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: LD8B15D010 ER8B15950 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1409.0 lumens
Efficiency: N/A
Efficacy: 97.8 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

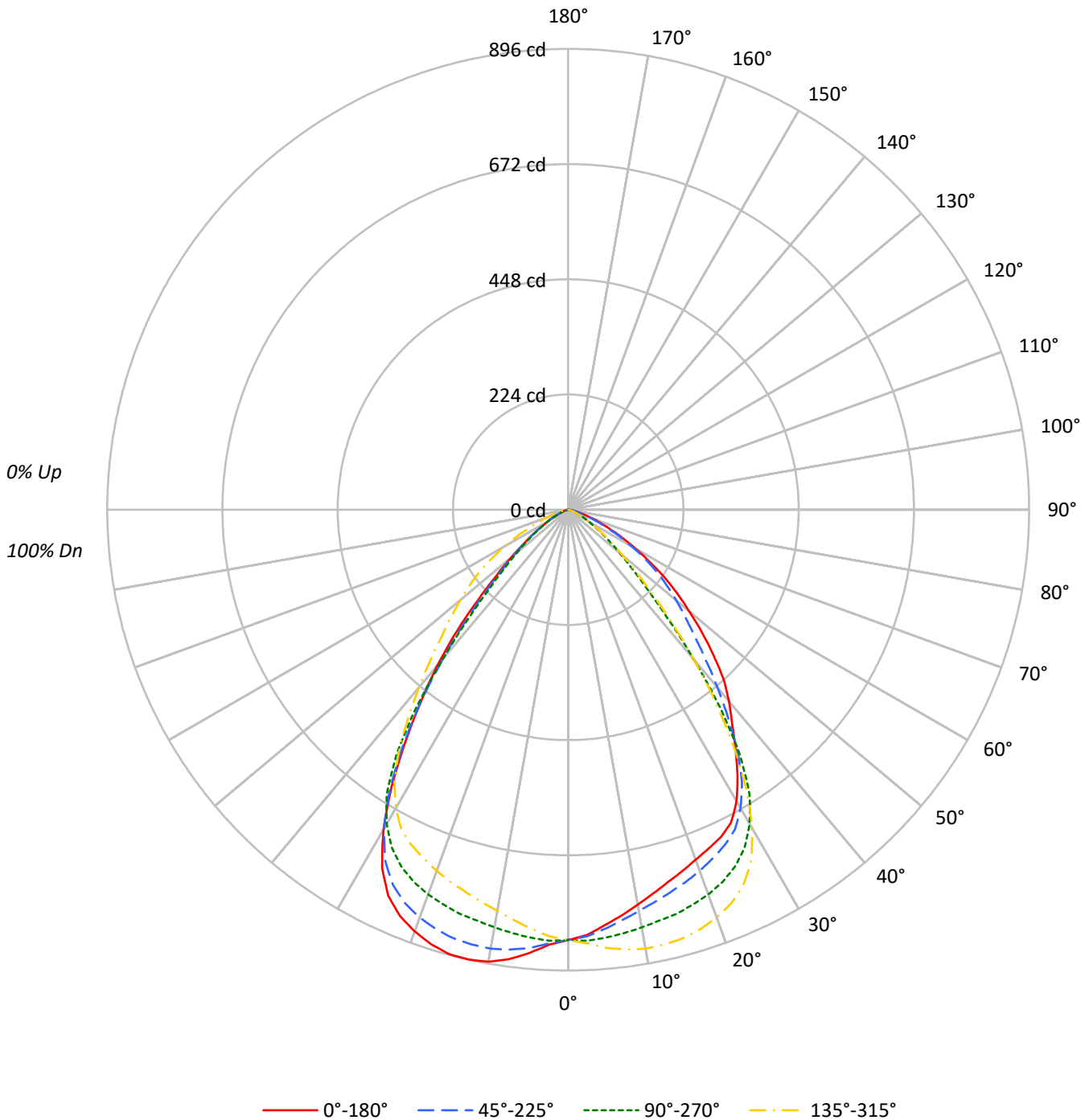
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	25795	25795	25795	25795
5°	25110	25856	26778	25856
10°	24414	25820	27943	25820
15°	23927	25973	28556	25973
20°	23765	26121	28628	26121
25°	23888	26069	28169	26069
30°	23297	25117	25566	25117
35°	21310	21909	20787	21909
40°	19563	15240	15916	15240
45°	17383	9297	10758	9297
50°	14713	6212	6898	6212
55°	12188	4236	4478	4236
60°	9294	2818	2843	2818
65°	6589	1758	1613	1758
70°	4751	1181	1073	1181
75°	3014	584	488	584
80°	2113	444	355	444
85°	1875	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	5.7
10°-20°	230.6	16.4
20°-30°	349.1	24.8
30°-40°	349.9	24.8
40°-50°	219.7	15.6
50°-60°	117.1	8.3
60°-70°	48.1	3.4
70°-80°	12.7	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°	659.3	46.8
0°-40°	1009.2	71.6
0°-60°	1346.0	95.5
0°-90°	1409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1409.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	836	836	836	836	836	
5°	811	835	865	835	811	76
15°	750	814	894	814	750	212
25°	702	766	828	766	702	322
35°	566	582	552	582	566	355
45°	399	213	247	213	399	307
55°	227	79	83	79	227	202
65°	90	24	22	24	90	94
75°	25	5	4	5	25	29
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°	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5
2.5°	827.9	827.1	826.7	827.5	827.9	829.5	829.1	829.9	829.9	830.4	831.2
5°	811.2	810.7	811.2	811.2	812.8	814.4	814.0	815.2	816.1	818.1	818.9
7.5°	795.6	795.6	795.2	796.9	797.7	800.1	799.7	801.8	803.0	805.0	807.9
10°	779.7	779.7	780.1	781.3	781.8	785.4	785.4	788.3	789.9	792.0	795.6
12.5°	764.2	764.2	766.6	765.8	767.5	770.3	771.5	774.4	776.8	780.9	784.6
15°	749.5	749.5	750.3	752.3	753.6	757.2	759.3	762.6	765.4	769.5	774.8
17.5°	736.8	736.4	736.8	739.3	741.7	745.0	746.6	750.7	753.6	758.9	763.8
20°	724.2	725.0	725.0	727.0	728.6	732.7	734.4	738.9	742.1	747.0	752.8
22.5°	713.1	712.7	712.7	715.6	716.8	720.5	722.1	726.2	729.9	734.0	739.3
25°	702.1	701.3	702.9	703.3	704.1	708.2	709.5	712.3	716.0	719.7	725.0
27.5°	685.8	685.0	685.4	687.0	688.2	691.5	692.3	695.2	698.0	701.3	705.8
30°	654.3	653.5	653.1	656.0	657.2	659.6	660.8	665.8	666.6	670.2	673.5
32.5°	612.6	612.2	613.1	615.5	616.7	620.0	621.6	624.5	626.5	628.6	631.8
35°	566.1	565.3	566.1	568.6	568.6	571.4	572.6	573.8	573.4	573.8	573.0
37.5°	522.8	522.4	522.8	524.0	522.8	524.0	522.8	520.4	515.9	511.0	506.0
40°	486.0	486.4	484.0	485.6	481.1	480.3	475.8	469.7	460.7	450.9	437.0
42.5°	446.8	445.6	444.0	444.8	441.1	438.2	430.9	423.1	411.7	395.4	378.6
45°	398.6	398.2	397.4	397.0	394.6	391.7	385.6	376.6	363.9	347.2	327.2
47.5°	351.7	350.4	350.4	350.8	348.0	347.6	342.7	334.9	323.9	307.6	286.7
50°	306.7	306.3	307.1	308.8	306.7	305.9	302.7	297.3	287.5	273.7	254.0
52.5°	266.3	265.9	266.7	268.8	267.9	268.8	265.5	261.4	254.9	241.4	224.2
55°	226.7	226.7	226.7	229.1	229.1	229.1	227.5	225.1	218.9	209.1	193.2
57.5°	185.4	185.8	188.3	188.7	188.3	189.1	188.7	186.2	182.2	175.2	163.0
60°	150.7	150.7	151.9	153.2	152.8	153.2	153.2	151.9	147.9	142.1	132.3
62.5°	119.3	120.5	119.7	120.5	122.1	120.5	119.7	118.9	116.0	112.3	104.1
65°	90.3	91.1	91.1	91.5	90.7	91.1	89.5	88.2	86.6	82.5	77.2
67.5°	68.6	68.6	68.6	68.6	68.2	67.8	67.4	66.2	63.3	61.7	55.9
70°	52.7	50.2	50.2	50.2	50.2	50.7	49.4	47.8	47.0	44.1	40.0
72.5°	35.1	35.9	35.1	35.1	34.3	34.7	33.1	32.3	31.5	29.8	27.4
75°	25.3	23.3	24.1	24.5	23.3	24.1	22.5	20.8	20.8	19.6	18.4
77.5°	16.3	15.9	16.3	16.7	16.3	15.9	15.1	14.3	14.3	13.9	12.7
80°	11.9	11.4	11.4	11.4	11.0	11.4	10.6	10.6	9.8	9.4	8.6
82.5°	7.8	7.8	7.3	7.8	7.3	7.8	6.5	6.5	6.5	6.1	5.3
85°	5.3	4.5	4.5	4.9	4.1	4.9	4.5	4.1	3.7	3.7	3.3
87.5°	2.5	2.9	2.5	2.9	2.5	2.5	2.9	2.5	2.5	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°	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5
2.5°	832.4	832.8	832.8	834.4	835.3	835.7	835.7	838.9	837.7	838.5	839.3
5°	820.6	823.0	823.8	823.8	828.3	829.9	831.6	835.3	835.7	838.1	841.0
7.5°	809.1	812.0	813.6	817.3	820.1	823.0	827.9	830.4	832.8	836.1	839.7
10°	798.1	801.4	804.6	807.5	812.0	815.6	818.9	824.6	827.5	832.0	836.9
12.5°	787.5	792.0	794.8	799.7	804.6	807.9	812.8	818.1	822.6	827.1	832.8
15°	778.1	783.4	786.6	792.0	797.3	801.8	807.1	813.6	816.9	822.2	827.5
17.5°	767.9	773.6	777.7	782.6	789.1	794.0	798.5	805.0	809.1	814.8	821.0
20°	757.2	763.0	767.9	772.8	779.3	784.2	789.5	796.0	800.5	806.3	811.2
22.5°	744.6	749.9	755.2	760.9	767.5	771.5	777.7	783.4	788.3	793.6	798.5
25°	728.2	734.8	738.9	744.2	749.5	754.0	760.5	766.2	770.3	775.2	779.7
27.5°	709.0	714.0	717.2	721.7	727.0	731.1	736.0	741.7	745.8	750.3	753.6
30°	676.4	680.9	683.7	687.0	692.3	696.0	700.1	705.4	708.2	711.5	714.4
32.5°	633.5	637.2	638.8	641.2	644.9	648.6	651.9	656.4	657.6	659.6	659.6
35°	571.4	572.2	571.8	572.6	574.3	576.3	579.2	582.0	583.6	583.6	582.4
37.5°	498.7	493.8	488.5	484.4	483.2	482.4	484.0	485.2	486.9	487.7	485.6
40°	423.1	412.1	400.3	389.6	382.3	379.0	377.8	378.6	378.6	381.5	381.5
42.5°	358.2	341.0	323.5	307.6	296.9	288.8	285.1	285.1	285.5	287.5	288.8
45°	304.3	282.6	262.2	244.7	229.9	219.3	214.4	213.2	212.8	213.6	216.5
47.5°	263.0	240.6	219.3	197.7	182.2	171.5	167.1	165.4	163.8	165.4	165.8
50°	230.8	207.5	185.0	163.4	147.0	137.6	131.9	129.5	129.1	129.1	129.9
52.5°	201.4	179.7	157.3	135.2	118.0	109.1	103.7	102.5	100.9	102.5	102.5
55°	173.6	151.9	129.9	109.1	94.8	85.4	80.5	78.8	78.0	79.2	79.2
57.5°	143.4	125.0	104.6	85.8	71.5	64.9	61.3	59.2	58.8	59.6	58.8
60°	117.6	102.1	84.5	67.4	56.4	49.4	46.6	45.7	44.9	45.7	45.7
62.5°	93.1	80.1	65.8	52.7	43.3	38.4	35.1	35.1	34.7	34.7	35.1
65°	69.0	58.8	48.6	37.6	30.2	26.5	24.1	24.1	23.7	24.1	23.7
67.5°	50.2	43.3	35.1	27.4	21.7	19.6	18.0	16.7	17.6	16.7	16.3
70°	36.8	31.0	25.3	20.8	16.7	14.7	13.5	13.1	12.3	12.3	12.3
72.5°	24.5	20.8	17.1	13.5	11.0	9.0	8.6	7.8	6.9	7.3	8.2
75°	16.3	13.9	12.3	9.8	7.3	7.3	4.9	4.9	4.1	4.9	3.7
77.5°	11.4	9.4	7.3	6.1	4.9	4.5	3.3	3.3	2.9	2.9	2.9
80°	8.2	6.9	5.3	4.5	3.3	3.3	2.9	2.5	2.0	2.0	2.5
82.5°	4.9	3.7	3.7	3.3	2.0	1.6	1.2	1.6	0.8	0.8	0.8
85°	2.9	2.5	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°	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5
2.5°	841.4	841.0	841.8	841.8	844.2	843.8	845.1	845.1	844.2	844.6	846.3
5°	844.2	845.5	847.9	850.0	853.6	855.3	857.3	859.4	859.8	861.0	862.2
7.5°	844.2	848.3	851.2	854.9	859.8	862.6	867.1	870.8	872.4	874.5	876.9
10°	842.6	846.7	852.0	856.1	862.2	866.7	871.2	876.9	879.4	882.6	885.9
12.5°	839.3	843.8	849.5	854.9	861.8	865.9	871.6	876.9	880.6	885.1	888.8
15°	834.4	839.7	845.1	850.4	857.7	862.6	867.9	874.1	877.7	882.6	885.9
17.5°	826.7	832.4	837.3	842.2	849.1	854.9	859.8	865.5	869.2	873.2	877.7
20°	817.3	822.6	827.9	832.0	838.9	843.8	849.1	854.5	857.3	858.1	865.1
22.5°	805.4	809.1	813.2	819.7	823.8	828.3	833.2	838.1	841.0	845.5	847.9
25°	785.8	789.5	794.0	796.9	801.8	805.4	810.3	815.6	817.3	820.6	823.0
27.5°	758.5	760.5	762.6	765.0	767.9	769.9	772.8	775.2	776.8	778.5	780.1
30°	715.2	715.2	715.2	713.5	714.8	716.0	716.4	716.0	716.0	715.6	715.6
32.5°	658.0	654.7	651.0	647.8	646.6	644.9	644.1	642.9	640.8	639.6	640.0
35°	580.8	573.4	569.0	564.9	561.6	559.2	557.9	556.7	556.3	554.7	553.0
37.5°	484.4	479.1	475.8	473.4	470.5	468.1	468.5	468.9	470.1	469.3	469.7
40°	382.3	381.1	382.3	379.4	378.6	379.4	381.5	384.3	386.0	387.6	390.5
42.5°	290.8	292.8	295.7	295.7	296.9	298.6	301.0	305.5	308.0	310.8	314.1
45°	218.9	221.4	225.1	226.3	227.1	229.1	232.0	235.7	237.3	239.8	242.6
47.5°	168.7	170.3	172.4	174.4	176.4	177.3	180.1	180.1	182.2	183.8	184.6
50°	131.5	133.1	134.8	136.0	136.8	138.1	138.9	140.1	140.5	141.3	141.7
52.5°	102.9	105.0	105.0	105.8	107.0	108.2	107.8	108.2	108.6	108.6	109.9
55°	80.5	80.5	81.7	81.7	82.5	82.1	82.5	82.5	82.5	82.5	82.9
57.5°	60.0	60.5	61.7	60.9	60.5	61.3	60.5	61.3	60.9	61.7	60.5
60°	46.1	46.1	46.6	46.6	47.0	47.0	47.0	46.6	46.6	46.1	46.1
62.5°	34.7	35.1	35.5	35.1	35.1	35.1	34.7	34.7	34.3	33.9	33.9
65°	23.3	22.9	23.7	22.9	23.3	23.3	22.9	23.3	22.1	22.5	22.1
67.5°	16.7	16.3	15.9	16.3	15.9	15.5	15.5	15.9	16.3	15.1	15.1
70°	11.0	11.4	11.0	11.4	11.9	11.9	11.4	11.0	11.4	10.6	11.0
72.5°	6.9	6.9	6.9	6.9	6.9	7.3	7.3	7.3	6.5	6.5	6.1
75°	3.3	4.5	3.7	3.3	4.5	4.5	4.1	4.1	3.7	3.7	3.7
77.5°	3.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.5	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°	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5
2.5°	845.9	845.5	845.9	846.3	845.9	845.5	845.9	846.3	844.6	844.2	845.1
5°	863.8	863.8	864.7	865.1	864.7	863.8	863.8	862.2	861.0	859.8	859.4
7.5°	879.4	880.2	881.0	881.4	881.0	880.2	879.4	876.9	874.5	872.4	870.8
10°	888.8	890.0	891.6	892.4	891.6	890.0	888.8	885.9	882.6	879.4	876.9
12.5°	892.8	894.1	896.1	895.7	896.1	894.1	892.8	888.8	885.1	880.6	876.9
15°	890.0	891.6	893.7	894.5	893.7	891.6	890.0	885.9	882.6	877.7	874.1
17.5°	881.0	883.5	884.7	885.9	884.7	883.5	881.0	877.7	873.2	869.2	865.5
20°	868.7	870.4	872.0	872.4	872.0	870.4	868.7	865.1	858.1	857.3	854.5
22.5°	851.2	852.4	856.1	854.9	856.1	852.4	851.2	847.9	845.5	841.0	838.1
25°	825.9	827.1	827.5	827.9	827.5	827.1	825.9	823.0	820.6	817.3	815.6
27.5°	782.2	782.2	783.0	783.4	783.0	782.2	782.2	780.1	778.5	776.8	775.2
30°	716.0	716.0	716.0	718.0	716.0	716.0	716.0	715.6	715.6	716.0	716.0
32.5°	639.6	638.8	638.0	638.8	638.0	638.8	639.6	640.0	639.6	640.8	642.9
35°	553.0	552.6	553.8	552.2	553.8	552.6	553.0	553.0	554.7	556.3	556.7
37.5°	470.1	469.3	470.9	469.3	470.9	469.3	470.1	469.7	469.3	470.1	468.9
40°	391.3	392.1	392.1	395.4	392.1	392.1	391.3	390.5	387.6	386.0	384.3
42.5°	315.7	318.2	317.4	319.8	317.4	318.2	315.7	314.1	310.8	308.0	305.5
45°	244.2	245.9	245.9	246.7	245.9	245.9	244.2	242.6	239.8	237.3	235.7
47.5°	187.5	187.5	187.5	187.9	187.5	187.5	187.5	184.6	183.8	182.2	180.1
50°	142.5	142.9	143.4	143.8	143.4	142.9	142.5	141.7	141.3	140.5	140.1
52.5°	109.5	109.9	109.1	109.9	109.1	109.9	109.5	109.9	108.6	108.6	108.2
55°	82.9	82.5	82.9	83.3	82.9	82.5	82.9	82.9	82.5	82.5	82.5
57.5°	60.9	60.0	60.0	60.0	60.0	60.0	60.9	60.5	61.7	60.9	61.3
60°	45.3	45.7	45.7	46.1	45.7	45.7	45.3	46.1	46.1	46.6	46.6
62.5°	33.5	34.7	33.9	34.7	33.9	34.7	33.5	33.9	33.9	34.3	34.7
65°	21.7	21.7	21.7	22.1	21.7	21.7	21.7	22.1	22.5	22.1	23.3
67.5°	14.7	15.1	15.9	15.5	15.9	15.1	14.7	15.1	15.1	16.3	15.9
70°	11.9	10.6	10.6	11.9	10.6	10.6	11.9	11.0	10.6	11.4	11.0
72.5°	6.9	6.1	6.9	6.9	6.9	6.1	6.9	6.1	6.5	6.5	7.3
75°	3.7	3.3	2.9	4.1	2.9	3.3	3.7	3.7	3.7	3.7	4.1
77.5°	2.5	2.0	2.9	2.9	2.9	2.0	2.5	2.0	2.5	2.0	2.5
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°	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5
2.5°	845.1	843.8	844.2	841.8	841.8	841.0	841.4	839.3	838.5	837.7	838.9
5°	857.3	855.3	853.6	850.0	847.9	845.5	844.2	841.0	838.1	835.7	835.3
7.5°	867.1	862.6	859.8	854.9	851.2	848.3	844.2	839.7	836.1	832.8	830.4
10°	871.2	866.7	862.2	856.1	852.0	846.7	842.6	836.9	832.0	827.5	824.6
12.5°	871.6	865.9	861.8	854.9	849.5	843.8	839.3	832.8	827.1	822.6	818.1
15°	867.9	862.6	857.7	850.4	845.1	839.7	834.4	827.5	822.2	816.9	813.6
17.5°	859.8	854.9	849.1	842.2	837.3	832.4	826.7	821.0	814.8	809.1	805.0
20°	849.1	843.8	838.9	832.0	827.9	822.6	817.3	811.2	806.3	800.5	796.0
22.5°	833.2	828.3	823.8	819.7	813.2	809.1	805.4	798.5	793.6	788.3	783.4
25°	810.3	805.4	801.8	796.9	794.0	789.5	785.8	779.7	775.2	770.3	766.2
27.5°	772.8	769.9	767.9	765.0	762.6	760.5	758.5	753.6	750.3	745.8	741.7
30°	716.4	716.0	714.8	713.5	715.2	715.2	715.2	714.4	711.5	708.2	705.4
32.5°	644.1	644.9	646.6	647.8	651.0	654.7	658.0	659.6	659.6	657.6	656.4
35°	557.9	559.2	561.6	564.9	569.0	573.4	580.8	582.4	583.6	583.6	582.0
37.5°	468.5	468.1	470.5	473.4	475.8	479.1	484.4	485.6	487.7	486.9	485.2
40°	381.5	379.4	378.6	379.4	382.3	381.1	382.3	381.5	381.5	378.6	378.6
42.5°	301.0	298.6	296.9	295.7	295.7	292.8	290.8	288.8	287.5	285.5	285.1
45°	232.0	229.1	227.1	226.3	225.1	221.4	218.9	216.5	213.6	212.8	213.2
47.5°	180.1	177.3	176.4	174.4	172.4	170.3	168.7	165.8	165.4	163.8	165.4
50°	138.9	138.1	136.8	136.0	134.8	133.1	131.5	129.9	129.1	129.1	129.5
52.5°	107.8	108.2	107.0	105.8	105.0	105.0	102.9	102.5	102.5	100.9	102.5
55°	82.5	82.1	82.5	81.7	81.7	80.5	80.5	79.2	79.2	78.0	78.8
57.5°	60.5	61.3	60.5	60.9	61.7	60.5	60.0	58.8	59.6	58.8	59.2
60°	47.0	47.0	47.0	46.6	46.6	46.1	46.1	45.7	45.7	44.9	45.7
62.5°	34.7	35.1	35.1	35.1	35.5	35.1	34.7	35.1	34.7	34.7	35.1
65°	22.9	23.3	23.3	22.9	23.7	22.9	23.3	23.7	24.1	23.7	24.1
67.5°	15.5	15.5	15.9	16.3	15.9	16.3	16.7	16.3	16.7	17.6	16.7
70°	11.4	11.9	11.9	11.4	11.0	11.4	11.0	12.3	12.3	12.3	13.1
72.5°	7.3	7.3	6.9	6.9	6.9	6.9	6.9	8.2	7.3	6.9	7.8
75°	4.1	4.5	4.5	3.3	3.7	4.5	3.3	3.7	4.9	4.1	4.9
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	3.3	2.9	2.9	2.9	3.3
80°	2.0	1.6	1.6	1.2	1.6	1.6	1.6	2.5	2.0	2.0	2.5
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°	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5
2.5°	835.7	835.7	835.3	834.4	832.8	832.8	832.4	831.2	830.4	829.9	829.9
5°	831.6	829.9	828.3	823.8	823.8	823.0	820.6	818.9	818.1	816.1	815.2
7.5°	827.9	823.0	820.1	817.3	813.6	812.0	809.1	807.9	805.0	803.0	801.8
10°	818.9	815.6	812.0	807.5	804.6	801.4	798.1	795.6	792.0	789.9	788.3
12.5°	812.8	807.9	804.6	799.7	794.8	792.0	787.5	784.6	780.9	776.8	774.4
15°	807.1	801.8	797.3	792.0	786.6	783.4	778.1	774.8	769.5	765.4	762.6
17.5°	798.5	794.0	789.1	782.6	777.7	773.6	767.9	763.8	758.9	753.6	750.7
20°	789.5	784.2	779.3	772.8	767.9	763.0	757.2	752.8	747.0	742.1	738.9
22.5°	777.7	771.5	767.5	760.9	755.2	749.9	744.6	739.3	734.0	729.9	726.2
25°	760.5	754.0	749.5	744.2	738.9	734.8	728.2	725.0	719.7	716.0	712.3
27.5°	736.0	731.1	727.0	721.7	717.2	714.0	709.0	705.8	701.3	698.0	695.2
30°	700.1	696.0	692.3	687.0	683.7	680.9	676.4	673.5	670.2	666.6	665.8
32.5°	651.9	648.6	644.9	641.2	638.8	637.2	633.5	631.8	628.6	626.5	624.5
35°	579.2	576.3	574.3	572.6	571.8	572.2	571.4	573.0	573.8	573.4	573.8
37.5°	484.0	482.4	483.2	484.4	488.5	493.8	498.7	506.0	511.0	515.9	520.4
40°	377.8	379.0	382.3	389.6	400.3	412.1	423.1	437.0	450.9	460.7	469.7
42.5°	285.1	288.8	296.9	307.6	323.5	341.0	358.2	378.6	395.4	411.7	423.1
45°	214.4	219.3	229.9	244.7	262.2	282.6	304.3	327.2	347.2	363.9	376.6
47.5°	167.1	171.5	182.2	197.7	219.3	240.6	263.0	286.7	307.6	323.9	334.9
50°	131.9	137.6	147.0	163.4	185.0	207.5	230.8	254.0	273.7	287.5	297.3
52.5°	103.7	109.1	118.0	135.2	157.3	179.7	201.4	224.2	241.4	254.9	261.4
55°	80.5	85.4	94.8	109.1	129.9	151.9	173.6	193.2	209.1	218.9	225.1
57.5°	61.3	64.9	71.5	85.8	104.6	125.0	143.4	163.0	175.2	182.2	186.2
60°	46.6	49.4	56.4	67.4	84.5	102.1	117.6	132.3	142.1	147.9	151.9
62.5°	35.1	38.4	43.3	52.7	65.8	80.1	93.1	104.1	112.3	116.0	118.9
65°	24.1	26.5	30.2	37.6	48.6	58.8	69.0	77.2	82.5	86.6	88.2
67.5°	18.0	19.6	21.7	27.4	35.1	43.3	50.2	55.9	61.7	63.3	66.2
70°	13.5	14.7	16.7	20.8	25.3	31.0	36.8	40.0	44.1	47.0	47.8
72.5°	8.6	9.0	11.0	13.5	17.1	20.8	24.5	27.4	29.8	31.5	32.3
75°	4.9	7.3	7.3	9.8	12.3	13.9	16.3	18.4	19.6	20.8	20.8
77.5°	3.3	4.5	4.9	6.1	7.3	9.4	11.4	12.7	13.9	14.3	14.3
80°	2.9	3.3	3.3	4.5	5.3	6.9	8.2	8.6	9.4	9.8	10.6
82.5°	1.2	1.6	2.0	3.3	3.7	3.7	4.9	5.3	6.1	6.5	6.5
85°	0.4	0.8	0.8	1.2	2.0	2.5	2.9	3.3	3.7	3.7	4.1
87.5°	0.4	0.4	0.0	0.4	0.8	0.8	1.6	1.6	1.6	2.5	2.5
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: P246013

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	836.5	836.5	836.5	836.5	836.5	836.5	836.5
2.5°	829.1	829.5	827.9	827.5	826.7	827.1	827.9
5°	814.0	814.4	812.8	811.2	811.2	810.7	811.2
7.5°	799.7	800.1	797.7	796.9	795.2	795.6	795.6
10°	785.4	785.4	781.8	781.3	780.1	779.7	779.7
12.5°	771.5	770.3	767.5	765.8	766.6	764.2	764.2
15°	759.3	757.2	753.6	752.3	750.3	749.5	749.5
17.5°	746.6	745.0	741.7	739.3	736.8	736.4	736.8
20°	734.4	732.7	728.6	727.0	725.0	725.0	724.2
22.5°	722.1	720.5	716.8	715.6	712.7	712.7	713.1
25°	709.5	708.2	704.1	703.3	702.9	701.3	702.1
27.5°	692.3	691.5	688.2	687.0	685.4	685.0	685.8
30°	660.8	659.6	657.2	656.0	653.1	653.5	654.3
32.5°	621.6	620.0	616.7	615.5	613.1	612.2	612.6
35°	572.6	571.4	568.6	568.6	566.1	565.3	566.1
37.5°	522.8	524.0	522.8	524.0	522.8	522.4	522.8
40°	475.8	480.3	481.1	485.6	484.0	486.4	486.0
42.5°	430.9	438.2	441.1	444.8	444.0	445.6	446.8
45°	385.6	391.7	394.6	397.0	397.4	398.2	398.6
47.5°	342.7	347.6	348.0	350.8	350.4	350.4	351.7
50°	302.7	305.9	306.7	308.8	307.1	306.3	306.7
52.5°	265.5	268.8	267.9	268.8	266.7	265.9	266.3
55°	227.5	229.1	229.1	229.1	226.7	226.7	226.7
57.5°	188.7	189.1	188.3	188.7	188.3	185.8	185.4
60°	153.2	153.2	152.8	153.2	151.9	150.7	150.7
62.5°	119.7	120.5	122.1	120.5	119.7	120.5	119.3
65°	89.5	91.1	90.7	91.5	91.1	91.1	90.3
67.5°	67.4	67.8	68.2	68.6	68.6	68.6	68.6
70°	49.4	50.7	50.2	50.2	50.2	50.2	52.7
72.5°	33.1	34.7	34.3	35.1	35.1	35.9	35.1
75°	22.5	24.1	23.3	24.5	24.1	23.3	25.3
77.5°	15.1	15.9	16.3	16.7	16.3	15.9	16.3
80°	10.6	11.4	11.0	11.4	11.4	11.4	11.9
82.5°	6.5	7.8	7.3	7.8	7.3	7.8	7.8
85°	4.5	4.9	4.1	4.9	4.5	4.5	5.3
87.5°	2.9	2.5	2.5	2.9	2.5	2.9	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)