

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: P245959

Luminaire Tested: **LD8B15D010 ER8B15827 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245959
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 ER8B15827 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1434.0 lumens
Efficiency: N/A
Efficacy: 99.6 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

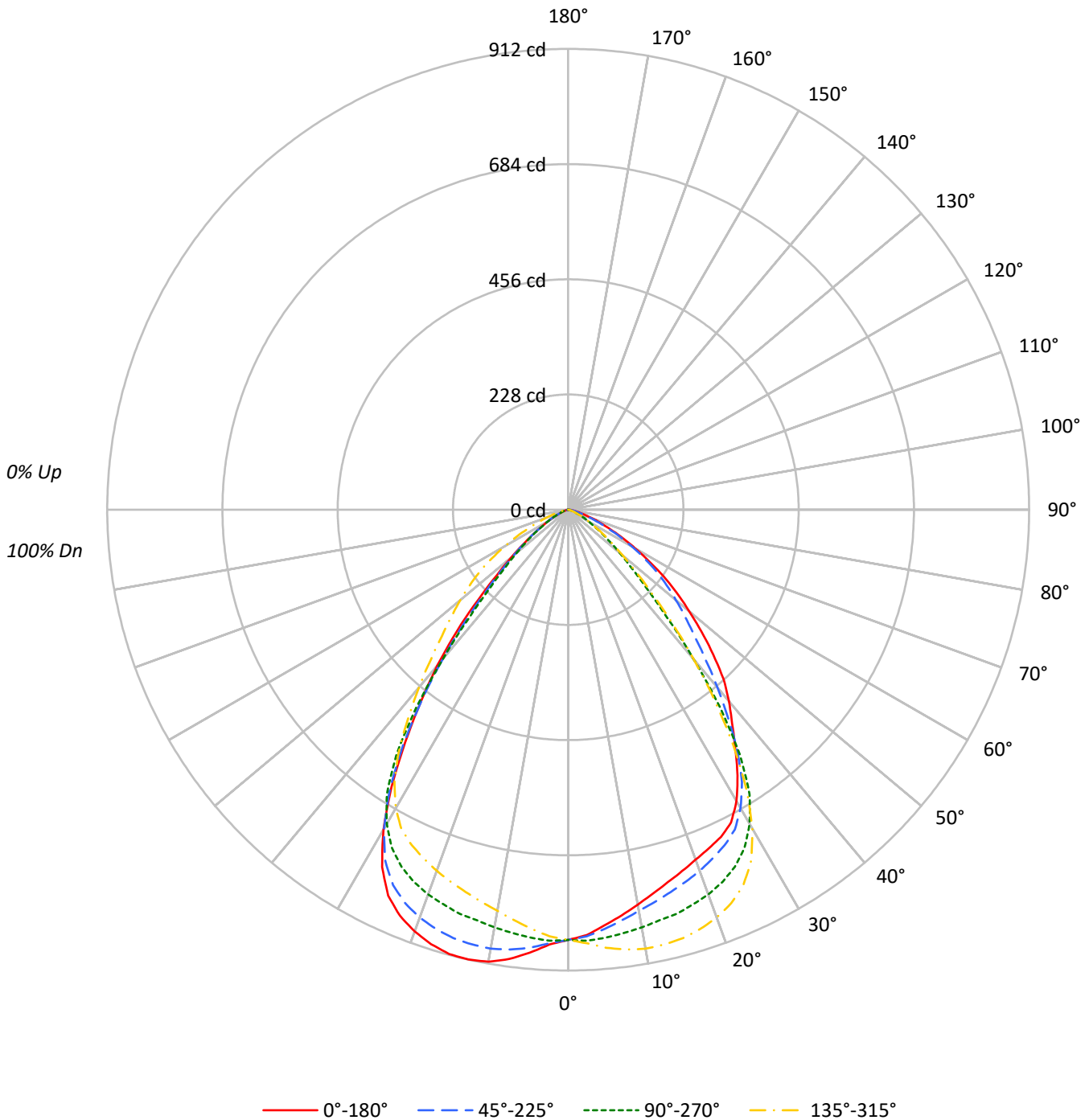
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	26251	26251	26251	26251
5°	25556	26314	27252	26314
10°	24846	26280	28441	26280
15°	24352	26436	29061	26436
20°	24185	26587	29137	26587
25°	24314	26532	28669	26532
30°	23711	25562	26021	25562
35°	21687	22297	21156	22297
40°	19914	15510	16198	15510
45°	17692	9463	10950	9463
50°	14977	6323	7018	6323
55°	12403	4312	4559	4312
60°	9461	2874	2899	2874
65°	6705	1788	1634	1788
70°	4833	1199	1091	1199
75°	3074	596	500	596
80°	2149	444	373	444
85°	1911	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	5.7
10°-20°	234.6	16.4
20°-30°	355.3	24.8
30°-40°	356.1	24.8
40°-50°	223.6	15.6
50°-60°	119.2	8.3
60°-70°	49.0	3.4
70°-80°	12.9	0.9
80°-90°	2.2	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°	671.0	46.8
0°-40°	1027.1	71.6
0°-60°	1369.9	95.5
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	851	851	851	851	851	
5°	826	850	880	850	826	78
15°	763	828	910	828	763	216
25°	715	780	843	780	715	328
35°	576	592	562	592	576	361
45°	406	217	251	217	406	312
55°	231	80	85	80	231	206
65°	92	24	22	24	92	95
75°	26	5	4	5	26	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°	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3
2.5°	842.6	841.8	841.3	842.2	842.6	844.3	843.8	844.7	844.7	845.1	845.9
5°	825.6	825.1	825.6	825.6	827.2	828.9	828.5	829.7	830.5	832.6	833.4
7.5°	809.8	809.8	809.3	811.0	811.8	814.3	813.9	816.0	817.2	819.3	822.2
10°	793.5	793.5	794.0	795.2	795.6	799.4	799.4	802.3	803.9	806.0	809.8
12.5°	777.7	777.7	780.2	779.4	781.1	784.0	785.2	788.1	790.6	794.8	798.5
15°	762.8	762.8	763.6	765.7	766.9	770.7	772.8	776.1	779.0	783.2	788.6
17.5°	749.9	749.5	749.9	752.4	754.9	758.2	759.9	764.0	766.9	772.3	777.3
20°	737.0	737.8	737.8	739.9	741.6	745.7	747.4	752.0	755.3	760.3	766.1
22.5°	725.8	725.4	725.4	728.3	729.5	733.3	734.9	739.1	742.8	747.0	752.4
25°	714.6	713.7	715.4	715.8	716.6	720.8	722.0	724.9	728.7	732.4	737.8
27.5°	697.9	697.1	697.5	699.2	700.4	703.7	704.6	707.5	710.4	713.7	718.3
30°	665.9	665.1	664.7	667.6	668.8	671.3	672.6	677.6	678.4	682.1	685.5
32.5°	623.5	623.1	623.9	626.4	627.7	631.0	632.7	635.6	637.7	639.7	643.1
35°	576.1	575.3	576.1	578.6	578.6	581.5	582.8	584.0	583.6	584.0	583.2
37.5°	532.1	531.7	532.1	533.3	532.1	533.3	532.1	529.6	525.0	520.0	515.0
40°	494.7	495.1	492.6	494.3	489.7	488.8	484.3	478.0	468.9	458.9	444.8
42.5°	454.8	453.5	451.9	452.7	448.9	446.0	438.5	430.7	419.0	402.4	385.3
45°	405.7	405.3	404.5	404.1	401.6	398.6	392.4	383.3	370.4	353.3	333.0
47.5°	357.9	356.7	356.7	357.1	354.2	353.7	348.8	340.9	329.6	313.0	291.8
50°	312.2	311.8	312.6	314.3	312.2	311.3	308.0	302.6	292.6	278.5	258.5
52.5°	271.0	270.6	271.4	273.5	272.7	273.5	270.2	266.0	259.4	245.7	228.2
55°	230.7	230.7	230.7	233.2	233.2	233.2	231.5	229.1	222.8	212.8	196.6
57.5°	188.7	189.1	191.6	192.0	191.6	192.5	192.0	189.5	185.4	178.3	165.9
60°	153.4	153.4	154.6	155.9	155.5	155.9	155.9	154.6	150.5	144.7	134.7
62.5°	121.4	122.6	121.8	122.6	124.3	122.6	121.8	121.0	118.1	114.3	106.0
65°	91.9	92.7	92.7	93.1	92.3	92.7	91.0	89.8	88.1	84.0	78.6
67.5°	69.8	69.8	69.8	69.8	69.4	69.0	68.6	67.3	64.4	62.8	56.9
70°	53.6	51.1	51.1	51.1	51.1	51.6	50.3	48.6	47.8	44.9	40.7
72.5°	35.7	36.6	35.7	35.7	34.9	35.3	33.7	32.8	32.0	30.4	27.9
75°	25.8	23.7	24.5	24.9	23.7	24.5	22.9	21.2	21.2	20.0	18.7
77.5°	16.6	16.2	16.6	17.0	16.6	16.2	15.4	14.5	14.5	14.1	12.9
80°	12.1	11.6	11.6	11.6	11.2	11.6	10.8	10.8	10.0	9.6	8.7
82.5°	7.9	7.9	7.5	7.9	7.5	7.9	6.7	6.7	6.7	6.2	5.4
85°	5.4	4.6	4.6	5.0	4.2	5.0	4.6	4.2	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	1.7	1.7
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°	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3
2.5°	847.2	847.6	847.6	849.3	850.1	850.5	850.5	853.8	852.6	853.4	854.2
5°	835.1	837.6	838.4	838.4	843.0	844.7	846.3	850.1	850.5	853.0	855.9
7.5°	823.5	826.4	828.1	831.8	834.7	837.6	842.6	845.1	847.6	850.9	854.6
10°	812.2	815.6	818.9	821.8	826.4	830.1	833.4	839.3	842.2	846.8	851.7
12.5°	801.4	806.0	808.9	813.9	818.9	822.2	827.2	832.6	837.2	841.8	847.6
15°	791.9	797.3	800.6	806.0	811.4	816.0	821.4	828.1	831.4	836.8	842.2
17.5°	781.5	787.3	791.5	796.4	803.1	808.1	812.7	819.3	823.5	829.3	835.5
20°	770.7	776.5	781.5	786.5	793.1	798.1	803.5	810.2	814.7	820.6	825.6
22.5°	757.8	763.2	768.6	774.4	781.1	785.2	791.5	797.3	802.3	807.7	812.7
25°	741.2	747.8	752.0	757.4	762.8	767.3	774.0	779.8	784.0	789.0	793.5
27.5°	721.6	726.6	729.9	734.5	739.9	744.1	749.1	754.9	759.0	763.6	766.9
30°	688.4	693.0	695.9	699.2	704.6	708.3	712.5	717.9	720.8	724.1	727.0
32.5°	644.7	648.5	650.1	652.6	656.4	660.1	663.4	668.0	669.3	671.3	671.3
35°	581.5	582.4	582.0	582.8	584.5	586.5	589.4	592.3	594.0	594.0	592.8
37.5°	507.5	502.6	497.2	493.0	491.8	490.9	492.6	493.8	495.5	496.3	494.3
40°	430.7	419.4	407.4	396.6	389.1	385.8	384.5	385.3	385.3	388.2	388.2
42.5°	364.6	347.1	329.2	313.0	302.2	293.9	290.1	290.1	290.6	292.6	293.9
45°	309.7	287.7	266.9	249.0	234.0	223.2	218.2	217.0	216.6	217.4	220.3
47.5°	267.7	244.8	223.2	201.2	185.4	174.6	170.0	168.3	166.7	168.3	168.8
50°	234.9	211.2	188.3	166.3	149.6	140.1	134.3	131.8	131.4	131.4	132.2
52.5°	204.9	182.9	160.0	137.6	120.1	111.0	105.6	104.3	102.7	104.3	104.3
55°	176.7	154.6	132.2	111.0	96.4	86.9	81.9	80.2	79.4	80.6	80.6
57.5°	145.9	127.2	106.4	87.3	72.8	66.1	62.3	60.3	59.9	60.7	59.9
60°	119.7	103.9	86.0	68.6	57.4	50.3	47.4	46.6	45.7	46.6	46.6
62.5°	94.8	81.5	66.9	53.6	44.1	39.1	35.7	35.7	35.3	35.3	35.7
65°	70.3	59.9	49.5	38.2	30.8	27.0	24.5	24.5	24.1	24.5	24.1
67.5°	51.1	44.1	35.7	27.9	22.0	20.0	18.3	17.0	17.9	17.0	16.6
70°	37.4	31.6	25.8	21.2	17.0	15.0	13.7	13.3	12.5	12.5	12.5
72.5°	24.9	21.2	17.5	13.7	11.2	9.1	8.7	7.9	7.1	7.5	8.3
75°	16.6	14.1	12.5	10.0	7.5	7.5	5.0	5.0	4.2	5.0	3.7
77.5°	11.6	9.6	7.5	6.2	5.0	4.6	3.3	3.3	2.9	2.9	2.9
80°	8.3	7.1	5.4	4.6	3.3	3.3	2.9	2.5	2.1	2.1	2.5
82.5°	5.0	3.7	3.7	3.3	2.1	1.7	1.2	1.7	0.8	0.8	0.8
85°	2.9	2.5	2.1	1.2	0.8	0.8	0.4	0.0	0.4	0.4	0.0
87.5°	1.7	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°	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3
2.5°	856.3	855.9	856.7	856.7	859.2	858.8	860.0	860.0	859.2	859.6	861.3
5°	859.2	860.5	863.0	865.0	868.8	870.4	872.5	874.6	875.0	876.3	877.5
7.5°	859.2	863.4	866.3	870.0	875.0	877.9	882.5	886.2	887.9	890.0	892.5
10°	857.5	861.7	867.1	871.3	877.5	882.1	886.7	892.5	895.0	898.3	901.6
12.5°	854.2	858.8	864.6	870.0	877.1	881.2	887.1	892.5	896.2	900.8	904.5
15°	849.3	854.6	860.0	865.5	872.9	877.9	883.3	889.6	893.3	898.3	901.6
17.5°	841.3	847.2	852.2	857.1	864.2	870.0	875.0	880.8	884.6	888.7	893.3
20°	831.8	837.2	842.6	846.8	853.8	858.8	864.2	869.6	872.5	873.4	880.4
22.5°	819.7	823.5	827.6	834.3	838.4	843.0	848.0	853.0	855.9	860.5	863.0
25°	799.8	803.5	808.1	811.0	816.0	819.7	824.7	830.1	831.8	835.1	837.6
27.5°	771.9	774.0	776.1	778.6	781.5	783.6	786.5	789.0	790.6	792.3	794.0
30°	727.9	727.9	727.9	726.2	727.4	728.7	729.1	728.7	728.7	728.3	728.3
32.5°	669.7	666.3	662.6	659.3	658.0	656.4	655.5	654.3	652.2	651.0	651.4
35°	591.1	583.6	579.1	574.9	571.6	569.1	567.8	566.6	566.2	564.5	562.8
37.5°	493.0	487.6	484.3	481.8	478.9	476.4	476.8	477.2	478.4	477.6	478.0
40°	389.1	387.8	389.1	386.2	385.3	386.2	388.2	391.2	392.8	394.5	397.4
42.5°	296.0	298.0	301.0	301.0	302.2	303.9	306.4	310.9	313.4	316.3	319.7
45°	222.8	225.3	229.1	230.3	231.1	233.2	236.1	239.8	241.5	244.0	246.9
47.5°	171.7	173.3	175.4	177.5	179.6	180.4	183.3	183.3	185.4	187.1	187.9
50°	133.9	135.5	137.2	138.4	139.3	140.5	141.3	142.6	143.0	143.8	144.2
52.5°	104.7	106.8	106.8	107.7	108.9	110.2	109.7	110.2	110.6	110.6	111.8
55°	81.9	81.9	83.1	83.1	84.0	83.5	84.0	84.0	84.0	84.0	84.4
57.5°	61.1	61.5	62.8	61.9	61.5	62.3	61.5	62.3	61.9	62.8	61.5
60°	47.0	47.0	47.4	47.4	47.8	47.8	47.8	47.4	47.4	47.0	47.0
62.5°	35.3	35.7	36.2	35.7	35.7	35.7	35.3	35.3	34.9	34.5	34.5
65°	23.7	23.3	24.1	23.3	23.7	23.7	23.3	23.7	22.4	22.9	22.4
67.5°	17.0	16.6	16.2	16.6	16.2	15.8	15.8	16.2	16.6	15.4	15.4
70°	11.2	11.6	11.2	11.6	12.1	12.1	11.6	11.2	11.6	10.8	11.2
72.5°	7.1	7.1	7.1	7.1	7.1	7.5	7.5	7.5	6.7	6.7	6.2
75°	3.3	4.6	3.7	3.3	4.6	4.6	4.2	4.2	3.7	3.7	3.7
77.5°	3.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.1	2.5	2.1
80°	1.7	1.7	1.7	1.2	1.7	1.7	2.1	1.7	1.7	1.2	2.1
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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CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3
2.5°	860.9	860.5	860.9	861.3	860.9	860.5	860.9	861.3	859.6	859.2	860.0
5°	879.2	879.2	880.0	880.4	880.0	879.2	879.2	877.5	876.3	875.0	874.6
7.5°	895.0	895.8	896.6	897.0	896.6	895.8	895.0	892.5	890.0	887.9	886.2
10°	904.5	905.8	907.4	908.3	907.4	905.8	904.5	901.6	898.3	895.0	892.5
12.5°	908.7	909.9	912.0	911.6	912.0	909.9	908.7	904.5	900.8	896.2	892.5
15°	905.8	907.4	909.5	910.3	909.5	907.4	905.8	901.6	898.3	893.3	889.6
17.5°	896.6	899.1	900.4	901.6	900.4	899.1	896.6	893.3	888.7	884.6	880.8
20°	884.2	885.8	887.5	887.9	887.5	885.8	884.2	880.4	873.4	872.5	869.6
22.5°	866.3	867.5	871.3	870.0	871.3	867.5	866.3	863.0	860.5	855.9	853.0
25°	840.5	841.8	842.2	842.6	842.2	841.8	840.5	837.6	835.1	831.8	830.1
27.5°	796.0	796.0	796.9	797.3	796.9	796.0	796.0	794.0	792.3	790.6	789.0
30°	728.7	728.7	728.7	730.8	728.7	728.7	728.7	728.3	728.3	728.7	728.7
32.5°	651.0	650.1	649.3	650.1	649.3	650.1	651.0	651.4	651.0	652.2	654.3
35°	562.8	562.4	563.7	562.0	563.7	562.4	562.8	562.8	564.5	566.2	566.6
37.5°	478.4	477.6	479.3	477.6	479.3	477.6	478.4	478.0	477.6	478.4	477.2
40°	398.2	399.1	399.1	402.4	399.1	399.1	398.2	397.4	394.5	392.8	391.2
42.5°	321.3	323.8	323.0	325.5	323.0	323.8	321.3	319.7	316.3	313.4	310.9
45°	248.6	250.2	250.2	251.1	250.2	250.2	248.6	246.9	244.0	241.5	239.8
47.5°	190.8	190.8	190.8	191.2	190.8	190.8	190.8	187.9	187.1	185.4	183.3
50°	145.1	145.5	145.9	146.3	145.9	145.5	145.1	144.2	143.8	143.0	142.6
52.5°	111.4	111.8	111.0	111.8	111.0	111.8	111.4	111.8	110.6	110.6	110.2
55°	84.4	84.0	84.4	84.8	84.4	84.0	84.4	84.4	84.0	84.0	84.0
57.5°	61.9	61.1	61.1	61.1	61.1	61.1	61.9	61.5	62.8	61.9	62.3
60°	46.1	46.6	46.6	47.0	46.6	46.6	46.1	47.0	47.0	47.4	47.4
62.5°	34.1	35.3	34.5	35.3	34.5	35.3	34.1	34.5	34.5	34.9	35.3
65°	22.0	22.0	22.0	22.4	22.0	22.0	22.0	22.4	22.9	22.4	23.7
67.5°	15.0	15.4	16.2	15.8	16.2	15.4	15.0	15.4	15.4	16.6	16.2
70°	12.1	10.8	10.8	12.1	10.8	10.8	12.1	11.2	10.8	11.6	11.2
72.5°	7.1	6.2	7.1	7.1	7.1	6.2	7.1	6.2	6.7	6.7	7.5
75°	3.7	3.3	2.9	4.2	2.9	3.3	3.7	3.7	3.7	3.7	4.2
77.5°	2.5	2.1	2.9	2.9	2.9	2.1	2.5	2.1	2.5	2.1	2.5
80°	1.2	1.7	1.2	2.1	1.2	1.7	1.2	2.1	1.2	1.7	1.7
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°	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3
2.5°	860.0	858.8	859.2	856.7	856.7	855.9	856.3	854.2	853.4	852.6	853.8
5°	872.5	870.4	868.8	865.0	863.0	860.5	859.2	855.9	853.0	850.5	850.1
7.5°	882.5	877.9	875.0	870.0	866.3	863.4	859.2	854.6	850.9	847.6	845.1
10°	886.7	882.1	877.5	871.3	867.1	861.7	857.5	851.7	846.8	842.2	839.3
12.5°	887.1	881.2	877.1	870.0	864.6	858.8	854.2	847.6	841.8	837.2	832.6
15°	883.3	877.9	872.9	865.5	860.0	854.6	849.3	842.2	836.8	831.4	828.1
17.5°	875.0	870.0	864.2	857.1	852.2	847.2	841.3	835.5	829.3	823.5	819.3
20°	864.2	858.8	853.8	846.8	842.6	837.2	831.8	825.6	820.6	814.7	810.2
22.5°	848.0	843.0	838.4	834.3	827.6	823.5	819.7	812.7	807.7	802.3	797.3
25°	824.7	819.7	816.0	811.0	808.1	803.5	799.8	793.5	789.0	784.0	779.8
27.5°	786.5	783.6	781.5	778.6	776.1	774.0	771.9	766.9	763.6	759.0	754.9
30°	729.1	728.7	727.4	726.2	727.9	727.9	727.9	727.0	724.1	720.8	717.9
32.5°	655.5	656.4	658.0	659.3	662.6	666.3	669.7	671.3	671.3	669.3	668.0
35°	567.8	569.1	571.6	574.9	579.1	583.6	591.1	592.8	594.0	594.0	592.3
37.5°	476.8	476.4	478.9	481.8	484.3	487.6	493.0	494.3	496.3	495.5	493.8
40°	388.2	386.2	385.3	386.2	389.1	387.8	389.1	388.2	388.2	385.3	385.3
42.5°	306.4	303.9	302.2	301.0	301.0	298.0	296.0	293.9	292.6	290.6	290.1
45°	236.1	233.2	231.1	230.3	229.1	225.3	222.8	220.3	217.4	216.6	217.0
47.5°	183.3	180.4	179.6	177.5	175.4	173.3	171.7	168.8	168.3	166.7	168.3
50°	141.3	140.5	139.3	138.4	137.2	135.5	133.9	132.2	131.4	131.4	131.8
52.5°	109.7	110.2	108.9	107.7	106.8	106.8	104.7	104.3	104.3	102.7	104.3
55°	84.0	83.5	84.0	83.1	83.1	81.9	81.9	80.6	80.6	79.4	80.2
57.5°	61.5	62.3	61.5	61.9	62.8	61.5	61.1	59.9	60.7	59.9	60.3
60°	47.8	47.8	47.8	47.4	47.4	47.0	47.0	46.6	46.6	45.7	46.6
62.5°	35.3	35.7	35.7	35.7	36.2	35.7	35.3	35.7	35.3	35.3	35.7
65°	23.3	23.7	23.7	23.3	24.1	23.3	23.7	24.1	24.5	24.1	24.5
67.5°	15.8	15.8	16.2	16.6	16.2	16.6	17.0	16.6	17.0	17.9	17.0
70°	11.6	12.1	12.1	11.6	11.2	11.6	11.2	12.5	12.5	12.5	13.3
72.5°	7.5	7.5	7.1	7.1	7.1	7.1	7.1	8.3	7.5	7.1	7.9
75°	4.2	4.6	4.6	3.3	3.7	4.6	3.3	3.7	5.0	4.2	5.0
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°	2.1	1.7	1.7	1.2	1.7	1.7	1.7	2.5	2.1	2.1	2.5
82.5°	0.8	0.8	0.4	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.7
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°	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3	851.3
2.5°	850.5	850.5	850.1	849.3	847.6	847.6	847.2	845.9	845.1	844.7	844.7
5°	846.3	844.7	843.0	838.4	838.4	837.6	835.1	833.4	832.6	830.5	829.7
7.5°	842.6	837.6	834.7	831.8	828.1	826.4	823.5	822.2	819.3	817.2	816.0
10°	833.4	830.1	826.4	821.8	818.9	815.6	812.2	809.8	806.0	803.9	802.3
12.5°	827.2	822.2	818.9	813.9	808.9	806.0	801.4	798.5	794.8	790.6	788.1
15°	821.4	816.0	811.4	806.0	800.6	797.3	791.9	788.6	783.2	779.0	776.1
17.5°	812.7	808.1	803.1	796.4	791.5	787.3	781.5	777.3	772.3	766.9	764.0
20°	803.5	798.1	793.1	786.5	781.5	776.5	770.7	766.1	760.3	755.3	752.0
22.5°	791.5	785.2	781.1	774.4	768.6	763.2	757.8	752.4	747.0	742.8	739.1
25°	774.0	767.3	762.8	757.4	752.0	747.8	741.2	737.8	732.4	728.7	724.9
27.5°	749.1	744.1	739.9	734.5	729.9	726.6	721.6	718.3	713.7	710.4	707.5
30°	712.5	708.3	704.6	699.2	695.9	693.0	688.4	685.5	682.1	678.4	677.6
32.5°	663.4	660.1	656.4	652.6	650.1	648.5	644.7	643.1	639.7	637.7	635.6
35°	589.4	586.5	584.5	582.8	582.0	582.4	581.5	583.2	584.0	583.6	584.0
37.5°	492.6	490.9	491.8	493.0	497.2	502.6	507.5	515.0	520.0	525.0	529.6
40°	384.5	385.8	389.1	396.6	407.4	419.4	430.7	444.8	458.9	468.9	478.0
42.5°	290.1	293.9	302.2	313.0	329.2	347.1	364.6	385.3	402.4	419.0	430.7
45°	218.2	223.2	234.0	249.0	266.9	287.7	309.7	333.0	353.3	370.4	383.3
47.5°	170.0	174.6	185.4	201.2	223.2	244.8	267.7	291.8	313.0	329.6	340.9
50°	134.3	140.1	149.6	166.3	188.3	211.2	234.9	258.5	278.5	292.6	302.6
52.5°	105.6	111.0	120.1	137.6	160.0	182.9	204.9	228.2	245.7	259.4	266.0
55°	81.9	86.9	96.4	111.0	132.2	154.6	176.7	196.6	212.8	222.8	229.1
57.5°	62.3	66.1	72.8	87.3	106.4	127.2	145.9	165.9	178.3	185.4	189.5
60°	47.4	50.3	57.4	68.6	86.0	103.9	119.7	134.7	144.7	150.5	154.6
62.5°	35.7	39.1	44.1	53.6	66.9	81.5	94.8	106.0	114.3	118.1	121.0
65°	24.5	27.0	30.8	38.2	49.5	59.9	70.3	78.6	84.0	88.1	89.8
67.5°	18.3	20.0	22.0	27.9	35.7	44.1	51.1	56.9	62.8	64.4	67.3
70°	13.7	15.0	17.0	21.2	25.8	31.6	37.4	40.7	44.9	47.8	48.6
72.5°	8.7	9.1	11.2	13.7	17.5	21.2	24.9	27.9	30.4	32.0	32.8
75°	5.0	7.5	7.5	10.0	12.5	14.1	16.6	18.7	20.0	21.2	21.2
77.5°	3.3	4.6	5.0	6.2	7.5	9.6	11.6	12.9	14.1	14.5	14.5
80°	2.9	3.3	3.3	4.6	5.4	7.1	8.3	8.7	9.6	10.0	10.8
82.5°	1.2	1.7	2.1	3.3	3.7	3.7	5.0	5.4	6.2	6.7	6.7
85°	0.4	0.8	0.8	1.2	2.1	2.5	2.9	3.3	3.7	3.7	4.2
87.5°	0.4	0.4	0.0	0.4	0.8	0.8	1.7	1.7	1.7	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: P245959

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	851.3	851.3	851.3	851.3	851.3	851.3	851.3
2.5°	843.8	844.3	842.6	842.2	841.3	841.8	842.6
5°	828.5	828.9	827.2	825.6	825.6	825.1	825.6
7.5°	813.9	814.3	811.8	811.0	809.3	809.8	809.8
10°	799.4	799.4	795.6	795.2	794.0	793.5	793.5
12.5°	785.2	784.0	781.1	779.4	780.2	777.7	777.7
15°	772.8	770.7	766.9	765.7	763.6	762.8	762.8
17.5°	759.9	758.2	754.9	752.4	749.9	749.5	749.9
20°	747.4	745.7	741.6	739.9	737.8	737.8	737.0
22.5°	734.9	733.3	729.5	728.3	725.4	725.4	725.8
25°	722.0	720.8	716.6	715.8	715.4	713.7	714.6
27.5°	704.6	703.7	700.4	699.2	697.5	697.1	697.9
30°	672.6	671.3	668.8	667.6	664.7	665.1	665.9
32.5°	632.7	631.0	627.7	626.4	623.9	623.1	623.5
35°	582.8	581.5	578.6	578.6	576.1	575.3	576.1
37.5°	532.1	533.3	532.1	533.3	532.1	531.7	532.1
40°	484.3	488.8	489.7	494.3	492.6	495.1	494.7
42.5°	438.5	446.0	448.9	452.7	451.9	453.5	454.8
45°	392.4	398.6	401.6	404.1	404.5	405.3	405.7
47.5°	348.8	353.7	354.2	357.1	356.7	356.7	357.9
50°	308.0	311.3	312.2	314.3	312.6	311.8	312.2
52.5°	270.2	273.5	272.7	273.5	271.4	270.6	271.0
55°	231.5	233.2	233.2	233.2	230.7	230.7	230.7
57.5°	192.0	192.5	191.6	192.0	191.6	189.1	188.7
60°	155.9	155.9	155.5	155.9	154.6	153.4	153.4
62.5°	121.8	122.6	124.3	122.6	121.8	122.6	121.4
65°	91.0	92.7	92.3	93.1	92.7	92.7	91.9
67.5°	68.6	69.0	69.4	69.8	69.8	69.8	69.8
70°	50.3	51.6	51.1	51.1	51.1	51.1	53.6
72.5°	33.7	35.3	34.9	35.7	35.7	36.6	35.7
75°	22.9	24.5	23.7	24.9	24.5	23.7	25.8
77.5°	15.4	16.2	16.6	17.0	16.6	16.2	16.6
80°	10.8	11.6	11.2	11.6	11.6	11.6	12.1
82.5°	6.7	7.9	7.5	7.9	7.5	7.9	7.9
85°	4.6	5.0	4.2	5.0	4.6	4.6	5.4
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)