

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: P244519

Luminaire Tested: **LD8B15D010 ER8B15827 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244519  
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 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1449.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 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

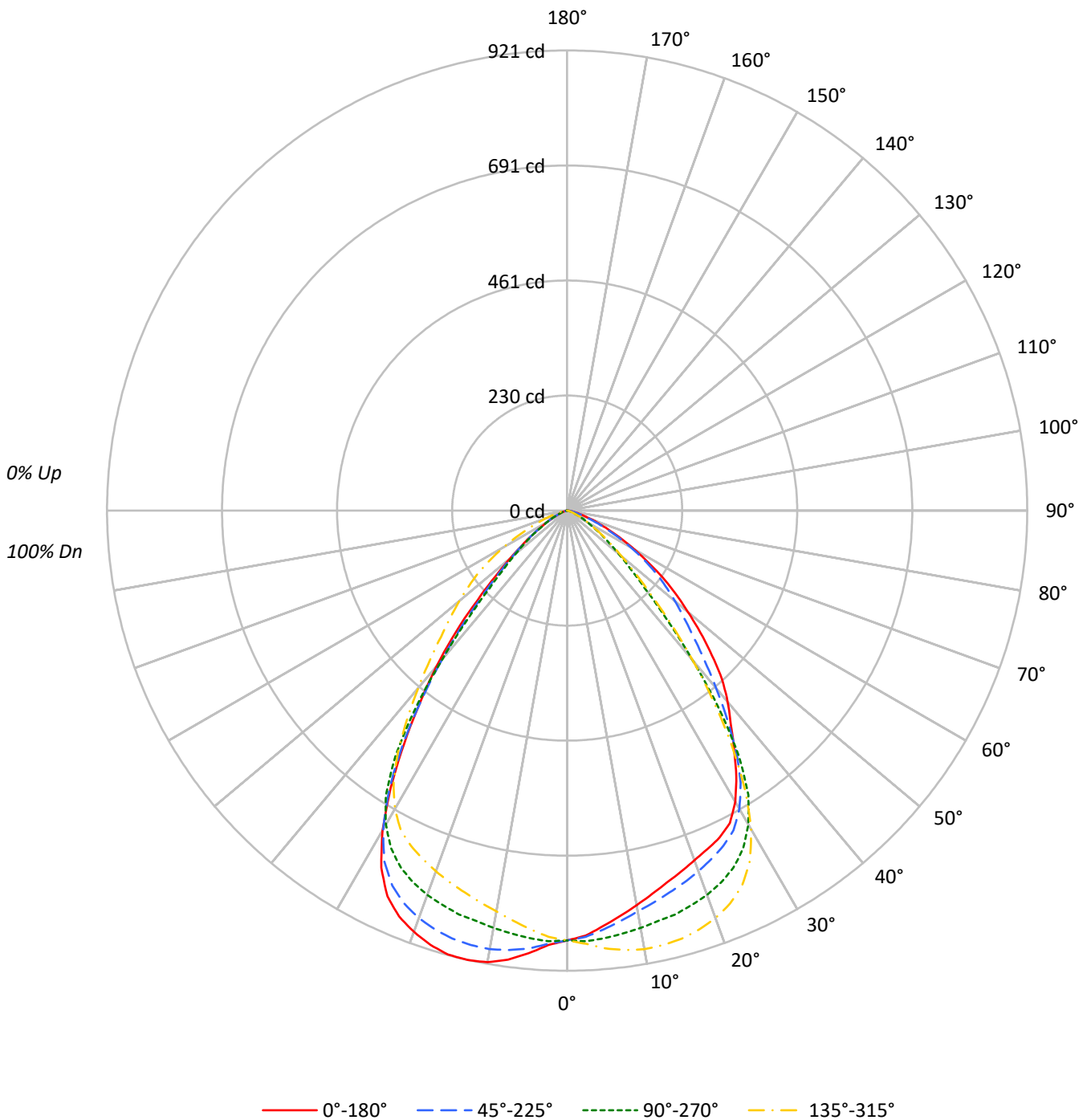
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	26525	26525	26525	26525
5°	25822	26590	27537	26590
10°	25106	26553	28738	26553
15°	24607	26711	29367	26711
20°	24438	26863	29442	26863
25°	24565	26811	28968	26811
30°	23960	25829	26292	25829
35°	21916	22530	21378	22530
40°	20119	15675	16367	15675
45°	17880	9563	11064	9563
50°	15131	6385	7095	6385
55°	12532	4360	4607	4360
60°	9559	2899	2929	2899
65°	6771	1810	1656	1810
70°	4887	1208	1100	1208
75°	3098	596	500	596
80°	2166	444	373	444
85°	1946	0	142	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.9	5.7
10°-20°	237.1	16.4
20°-30°	359.0	24.8
30°-40°	359.8	24.8
40°-50°	226.0	15.6
50°-60°	120.4	8.3
60°-70°	49.5	3.4
70°-80°	13.1	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°	678.0	46.8
0°-40°	1037.8	71.6
0°-60°	1384.2	95.5
0°-90°	1449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	860	860	860	860	860	
5°	834	859	890	859	834	79
15°	771	837	920	837	771	218
25°	722	788	851	788	722	331
35°	582	598	568	598	582	365
45°	410	219	254	219	410	315
55°	233	81	86	81	233	208
65°	93	25	23	25	93	96
75°	26	5	4	5	26	29
85°	6	0	0	0	6	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°	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2
2.5°	851.4	850.6	850.1	851.0	851.4	853.1	852.7	853.5	853.5	853.9	854.8
5°	834.2	833.8	834.2	834.2	835.9	837.5	837.1	838.4	839.2	841.3	842.2
7.5°	818.2	818.2	817.8	819.5	820.3	822.8	822.4	824.5	825.8	827.9	830.8
10°	801.8	801.8	802.3	803.5	804.0	807.7	807.7	810.7	812.3	814.4	818.2
12.5°	785.9	785.9	788.4	787.6	789.2	792.2	793.4	796.4	798.9	803.1	806.9
15°	770.8	770.8	771.6	773.7	775.0	778.7	780.8	784.2	787.1	791.3	796.8
17.5°	757.7	757.3	757.7	760.3	762.8	766.1	767.8	772.0	775.0	780.4	785.5
20°	744.7	745.6	745.6	747.7	749.3	753.5	755.2	759.8	763.2	768.2	774.1
22.5°	733.4	733.0	733.0	735.9	737.2	740.9	742.6	746.8	750.6	754.8	760.3
25°	722.0	721.2	722.9	723.3	724.1	728.3	729.6	732.5	736.3	740.1	745.6
27.5°	705.2	704.4	704.8	706.5	707.8	711.1	712.0	714.9	717.8	721.2	725.8
30°	672.9	672.1	671.6	674.6	675.8	678.3	679.6	684.7	685.5	689.3	692.6
32.5°	630.0	629.6	630.5	633.0	634.2	637.6	639.3	642.2	644.3	646.4	649.8
35°	582.2	581.3	582.2	584.7	584.7	587.6	588.9	590.1	589.7	590.1	589.3
37.5°	537.6	537.2	537.6	538.9	537.6	538.9	537.6	535.1	530.5	525.5	520.4
40°	499.8	500.3	497.7	499.4	494.8	494.0	489.3	483.0	473.8	463.7	449.4
42.5°	459.5	458.3	456.6	457.4	453.6	450.7	443.1	435.2	423.4	406.6	389.4
45°	410.0	409.5	408.7	408.3	405.8	402.8	396.5	387.3	374.3	357.0	336.4
47.5°	361.6	360.4	360.4	360.8	357.9	357.4	352.4	344.4	333.1	316.3	294.9
50°	315.4	315.0	315.9	317.5	315.4	314.6	311.3	305.8	295.7	281.4	261.3
52.5°	273.9	273.4	274.3	276.4	275.5	276.4	273.0	268.8	262.1	248.2	230.6
55°	233.1	233.1	233.1	235.6	235.6	235.6	234.0	231.4	225.1	215.1	198.7
57.5°	190.7	191.1	193.6	194.1	193.6	194.5	194.1	191.5	187.3	180.2	167.6
60°	155.0	155.0	156.3	157.5	157.1	157.5	157.5	156.3	152.1	146.2	136.1
62.5°	122.6	123.9	123.1	123.9	125.6	123.9	123.1	122.2	119.3	115.5	107.1
65°	92.8	93.7	93.7	94.1	93.2	93.7	92.0	90.7	89.1	84.9	79.4
67.5°	70.6	70.6	70.6	70.6	70.1	69.7	69.3	68.0	65.1	63.4	57.5
70°	54.2	51.7	51.7	51.7	51.7	52.1	50.8	49.2	48.3	45.4	41.2
72.5°	36.1	37.0	36.1	36.1	35.3	35.7	34.0	33.2	32.3	30.7	28.1
75°	26.0	23.9	24.8	25.2	23.9	24.8	23.1	21.4	21.4	20.2	18.9
77.5°	16.8	16.4	16.8	17.2	16.8	16.4	15.5	14.7	14.7	14.3	13.0
80°	12.2	11.8	11.8	11.8	11.3	11.8	10.9	10.9	10.1	9.7	8.8
82.5°	8.0	8.0	7.6	8.0	7.6	8.0	6.7	6.7	6.7	6.3	5.5
85°	5.5	4.6	4.6	5.0	4.2	5.0	4.6	4.2	3.8	3.8	3.4
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°	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2
2.5°	856.0	856.4	856.4	858.1	859.0	859.4	859.4	862.7	861.5	862.3	863.2
5°	843.9	846.4	847.2	847.2	851.8	853.5	855.2	859.0	859.4	861.9	864.8
7.5°	832.1	835.0	836.7	840.5	843.4	846.4	851.4	853.9	856.4	859.8	863.6
10°	820.7	824.1	827.5	830.4	835.0	838.8	842.2	848.0	851.0	855.6	860.6
12.5°	809.8	814.4	817.4	822.4	827.5	830.8	835.9	841.3	845.9	850.6	856.4
15°	800.2	805.6	809.0	814.4	819.9	824.5	830.0	836.7	840.1	845.5	851.0
17.5°	789.7	795.5	799.7	804.8	811.5	816.5	821.2	827.9	832.1	838.0	844.3
20°	778.7	784.6	789.7	794.7	801.4	806.5	811.9	818.6	823.3	829.1	834.2
22.5°	765.7	771.2	776.6	782.5	789.2	793.4	799.7	805.6	810.7	816.1	821.2
25°	748.9	755.6	759.8	765.3	770.8	775.4	782.1	788.0	792.2	797.2	801.8
27.5°	729.2	734.2	737.6	742.2	747.7	751.9	756.9	762.8	767.0	771.6	775.0
30°	695.6	700.2	703.1	706.5	712.0	715.7	719.9	725.4	728.3	731.7	734.6
32.5°	651.5	655.2	656.9	659.4	663.2	667.0	670.4	675.0	676.3	678.3	678.3
35°	587.6	588.5	588.0	588.9	590.6	592.7	595.6	598.5	600.2	600.2	599.0
37.5°	512.9	507.8	502.4	498.2	496.9	496.1	497.7	499.0	500.7	501.5	499.4
40°	435.2	423.8	411.6	400.7	393.1	389.8	388.5	389.4	389.4	392.3	392.3
42.5°	368.4	350.7	332.7	316.3	305.4	297.0	293.2	293.2	293.6	295.7	297.0
45°	312.9	290.7	269.7	251.6	236.5	225.6	220.5	219.3	218.8	219.7	222.6
47.5°	270.5	247.4	225.6	203.3	187.3	176.4	171.8	170.1	168.4	170.1	170.5
50°	237.3	213.4	190.3	168.0	151.2	141.5	135.7	133.1	132.7	132.7	133.6
52.5°	207.1	184.8	161.7	139.0	121.4	112.2	106.7	105.4	103.8	105.4	105.4
55°	178.5	156.3	133.6	112.2	97.4	87.8	82.7	81.1	80.2	81.5	81.5
57.5°	147.4	128.5	107.5	88.2	73.5	66.8	63.0	60.9	60.5	61.3	60.5
60°	121.0	105.0	86.9	69.3	58.0	50.8	47.9	47.0	46.2	47.0	47.0
62.5°	95.8	82.3	67.6	54.2	44.5	39.5	36.1	36.1	35.7	35.7	36.1
65°	71.0	60.5	50.0	38.6	31.1	27.3	24.8	24.8	24.4	24.8	24.4
67.5°	51.7	44.5	36.1	28.1	22.3	20.2	18.5	17.2	18.1	17.2	16.8
70°	37.8	31.9	26.0	21.4	17.2	15.1	13.9	13.4	12.6	12.6	12.6
72.5°	25.2	21.4	17.6	13.9	11.3	9.2	8.8	8.0	7.1	7.6	8.4
75°	16.8	14.3	12.6	10.1	7.6	7.6	5.0	5.0	4.2	5.0	3.8
77.5°	11.8	9.7	7.6	6.3	5.0	4.6	3.4	3.4	2.9	2.9	2.9
80°	8.4	7.1	5.5	4.6	3.4	3.4	2.9	2.5	2.1	2.1	2.5
82.5°	5.0	3.8	3.8	3.4	2.1	1.7	1.3	1.7	0.8	0.8	0.8
85°	2.9	2.5	2.1	1.3	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°	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2
2.5°	865.3	864.8	865.7	865.7	868.2	867.8	869.0	869.0	868.2	868.6	870.3
5°	868.2	869.5	872.0	874.1	877.9	879.6	881.6	883.8	884.2	885.4	886.7
7.5°	868.2	872.4	875.4	879.1	884.2	887.1	891.7	895.5	897.2	899.3	901.8
10°	866.5	870.7	876.2	880.4	886.7	891.3	895.9	901.8	904.3	907.7	911.1
12.5°	863.2	867.8	873.7	879.1	886.3	890.5	896.3	901.8	905.6	910.2	914.0
15°	858.1	863.6	869.0	874.5	882.1	887.1	892.6	898.9	902.7	907.7	911.1
17.5°	850.1	856.0	861.1	866.1	873.2	879.1	884.2	890.0	893.8	898.0	902.7
20°	840.5	845.9	851.4	855.6	862.7	867.8	873.2	878.7	881.6	882.5	889.6
22.5°	828.3	832.1	836.3	843.0	847.2	851.8	856.9	861.9	864.8	869.5	872.0
25°	808.1	811.9	816.5	819.5	824.5	828.3	833.3	838.8	840.5	843.9	846.4
27.5°	780.0	782.1	784.2	786.7	789.7	791.8	794.7	797.2	798.9	800.6	802.3
30°	735.5	735.5	735.5	733.8	735.1	736.3	736.7	736.3	736.3	735.9	735.9
32.5°	676.7	673.3	669.5	666.2	664.9	663.2	662.4	661.1	659.0	657.8	658.2
35°	597.3	589.7	585.1	580.9	577.6	575.0	573.8	572.5	572.1	570.4	568.7
37.5°	498.2	492.7	489.3	486.8	483.9	481.4	481.8	482.2	483.4	482.6	483.0
40°	393.1	391.9	393.1	390.2	389.4	390.2	392.3	395.3	396.9	398.6	401.6
42.5°	299.1	301.2	304.1	304.1	305.4	307.1	309.6	314.2	316.7	319.6	323.0
45°	225.1	227.7	231.4	232.7	233.5	235.6	238.6	242.4	244.0	246.6	249.5
47.5°	173.5	175.2	177.2	179.4	181.4	182.3	185.2	185.2	187.3	189.0	189.8
50°	135.3	136.9	138.6	139.9	140.7	142.0	142.8	144.1	144.5	145.3	145.7
52.5°	105.8	108.0	108.0	108.8	110.0	111.3	110.9	111.3	111.7	111.7	113.0
55°	82.7	82.7	84.0	84.0	84.9	84.4	84.9	84.9	84.9	84.9	85.3
57.5°	61.7	62.2	63.4	62.6	62.2	63.0	62.2	63.0	62.6	63.4	62.2
60°	47.5	47.5	47.9	47.9	48.3	48.3	48.3	47.9	47.9	47.5	47.5
62.5°	35.7	36.1	36.5	36.1	36.1	36.1	35.7	35.7	35.3	34.9	34.9
65°	23.9	23.5	24.4	23.5	23.9	23.9	23.5	23.9	22.7	23.1	22.7
67.5°	17.2	16.8	16.4	16.8	16.4	16.0	16.0	16.4	16.8	15.5	15.5
70°	11.3	11.8	11.3	11.8	12.2	12.2	11.8	11.3	11.8	10.9	11.3
72.5°	7.1	7.1	7.1	7.1	7.1	7.6	7.6	7.6	6.7	6.7	6.3
75°	3.4	4.6	3.8	3.4	4.6	4.6	4.2	4.2	3.8	3.8	3.8
77.5°	3.4	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	1.3	1.7	1.7	2.1	1.7	1.7	1.3	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 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2
2.5°	869.9	869.5	869.9	870.3	869.9	869.5	869.9	870.3	868.6	868.2	869.0
5°	888.4	888.4	889.2	889.6	889.2	888.4	888.4	886.7	885.4	884.2	883.8
7.5°	904.3	905.2	906.0	906.4	906.0	905.2	904.3	901.8	899.3	897.2	895.5
10°	914.0	915.3	916.9	917.8	916.9	915.3	914.0	911.1	907.7	904.3	901.8
12.5°	918.2	919.5	921.5	921.1	921.5	919.5	918.2	914.0	910.2	905.6	901.8
15°	915.3	916.9	919.0	919.9	919.0	916.9	915.3	911.1	907.7	902.7	898.9
17.5°	906.0	908.5	909.8	911.1	909.8	908.5	906.0	902.7	898.0	893.8	890.0
20°	893.4	895.1	896.8	897.2	896.8	895.1	893.4	889.6	882.5	881.6	878.7
22.5°	875.4	876.6	880.4	879.1	880.4	876.6	875.4	872.0	869.5	864.8	861.9
25°	849.3	850.6	851.0	851.4	851.0	850.6	849.3	846.4	843.9	840.5	838.8
27.5°	804.4	804.4	805.2	805.6	805.2	804.4	804.4	802.3	800.6	798.9	797.2
30°	736.3	736.3	736.3	738.4	736.3	736.3	736.3	735.9	735.9	736.3	736.3
32.5°	657.8	656.9	656.1	656.9	656.1	656.9	657.8	658.2	657.8	659.0	661.1
35°	568.7	568.3	569.6	567.9	569.6	568.3	568.7	568.7	570.4	572.1	572.5
37.5°	483.4	482.6	484.3	482.6	484.3	482.6	483.4	483.0	482.6	483.4	482.2
40°	402.4	403.2	403.2	406.6	403.2	403.2	402.4	401.6	398.6	396.9	395.3
42.5°	324.7	327.2	326.4	328.9	326.4	327.2	324.7	323.0	319.6	316.7	314.2
45°	251.2	252.9	252.9	253.7	252.9	252.9	251.2	249.5	246.6	244.0	242.4
47.5°	192.8	192.8	192.8	193.2	192.8	192.8	192.8	189.8	189.0	187.3	185.2
50°	146.6	147.0	147.4	147.9	147.4	147.0	146.6	145.7	145.3	144.5	144.1
52.5°	112.6	113.0	112.2	113.0	112.2	113.0	112.6	113.0	111.7	111.7	111.3
55°	85.3	84.9	85.3	85.7	85.3	84.9	85.3	85.3	84.9	84.9	84.9
57.5°	62.6	61.7	61.7	61.7	61.7	61.7	62.6	62.2	63.4	62.6	63.0
60°	46.6	47.0	47.0	47.5	47.0	47.0	46.6	47.5	47.5	47.9	47.9
62.5°	34.4	35.7	34.9	35.7	34.9	35.7	34.4	34.9	34.9	35.3	35.7
65°	22.3	22.3	22.3	22.7	22.3	22.3	22.3	22.7	23.1	22.7	23.9
67.5°	15.1	15.5	16.4	16.0	16.4	15.5	15.1	15.5	15.5	16.8	16.4
70°	12.2	10.9	10.9	12.2	10.9	10.9	12.2	11.3	10.9	11.8	11.3
72.5°	7.1	6.3	7.1	7.1	7.1	6.3	7.1	6.3	6.7	6.7	7.6
75°	3.8	3.4	2.9	4.2	2.9	3.4	3.8	3.8	3.8	3.8	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°	1.3	1.7	1.3	2.1	1.3	1.7	1.3	2.1	1.3	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°	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2
2.5°	869.0	867.8	868.2	865.7	865.7	864.8	865.3	863.2	862.3	861.5	862.7
5°	881.6	879.6	877.9	874.1	872.0	869.5	868.2	864.8	861.9	859.4	859.0
7.5°	891.7	887.1	884.2	879.1	875.4	872.4	868.2	863.6	859.8	856.4	853.9
10°	895.9	891.3	886.7	880.4	876.2	870.7	866.5	860.6	855.6	851.0	848.0
12.5°	896.3	890.5	886.3	879.1	873.7	867.8	863.2	856.4	850.6	845.9	841.3
15°	892.6	887.1	882.1	874.5	869.0	863.6	858.1	851.0	845.5	840.1	836.7
17.5°	884.2	879.1	873.2	866.1	861.1	856.0	850.1	844.3	838.0	832.1	827.9
20°	873.2	867.8	862.7	855.6	851.4	845.9	840.5	834.2	829.1	823.3	818.6
22.5°	856.9	851.8	847.2	843.0	836.3	832.1	828.3	821.2	816.1	810.7	805.6
25°	833.3	828.3	824.5	819.5	816.5	811.9	808.1	801.8	797.2	792.2	788.0
27.5°	794.7	791.8	789.7	786.7	784.2	782.1	780.0	775.0	771.6	767.0	762.8
30°	736.7	736.3	735.1	733.8	735.5	735.5	735.5	734.6	731.7	728.3	725.4
32.5°	662.4	663.2	664.9	666.2	669.5	673.3	676.7	678.3	678.3	676.3	675.0
35°	573.8	575.0	577.6	580.9	585.1	589.7	597.3	599.0	600.2	600.2	598.5
37.5°	481.8	481.4	483.9	486.8	489.3	492.7	498.2	499.4	501.5	500.7	499.0
40°	392.3	390.2	389.4	390.2	393.1	391.9	393.1	392.3	392.3	389.4	389.4
42.5°	309.6	307.1	305.4	304.1	304.1	301.2	299.1	297.0	295.7	293.6	293.2
45°	238.6	235.6	233.5	232.7	231.4	227.7	225.1	222.6	219.7	218.8	219.3
47.5°	185.2	182.3	181.4	179.4	177.2	175.2	173.5	170.5	170.1	168.4	170.1
50°	142.8	142.0	140.7	139.9	138.6	136.9	135.3	133.6	132.7	132.7	133.1
52.5°	110.9	111.3	110.0	108.8	108.0	108.0	105.8	105.4	105.4	103.8	105.4
55°	84.9	84.4	84.9	84.0	84.0	82.7	82.7	81.5	81.5	80.2	81.1
57.5°	62.2	63.0	62.2	62.6	63.4	62.2	61.7	60.5	61.3	60.5	60.9
60°	48.3	48.3	48.3	47.9	47.9	47.5	47.5	47.0	47.0	46.2	47.0
62.5°	35.7	36.1	36.1	36.1	36.5	36.1	35.7	36.1	35.7	35.7	36.1
65°	23.5	23.9	23.9	23.5	24.4	23.5	23.9	24.4	24.8	24.4	24.8
67.5°	16.0	16.0	16.4	16.8	16.4	16.8	17.2	16.8	17.2	18.1	17.2
70°	11.8	12.2	12.2	11.8	11.3	11.8	11.3	12.6	12.6	12.6	13.4
72.5°	7.6	7.6	7.1	7.1	7.1	7.1	7.1	8.4	7.6	7.1	8.0
75°	4.2	4.6	4.6	3.4	3.8	4.6	3.4	3.8	5.0	4.2	5.0
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	3.4	2.9	2.9	2.9	3.4
80°	2.1	1.7	1.7	1.3	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°	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2	860.2
2.5°	859.4	859.4	859.0	858.1	856.4	856.4	856.0	854.8	853.9	853.5	853.5
5°	855.2	853.5	851.8	847.2	847.2	846.4	843.9	842.2	841.3	839.2	838.4
7.5°	851.4	846.4	843.4	840.5	836.7	835.0	832.1	830.8	827.9	825.8	824.5
10°	842.2	838.8	835.0	830.4	827.5	824.1	820.7	818.2	814.4	812.3	810.7
12.5°	835.9	830.8	827.5	822.4	817.4	814.4	809.8	806.9	803.1	798.9	796.4
15°	830.0	824.5	819.9	814.4	809.0	805.6	800.2	796.8	791.3	787.1	784.2
17.5°	821.2	816.5	811.5	804.8	799.7	795.5	789.7	785.5	780.4	775.0	772.0
20°	811.9	806.5	801.4	794.7	789.7	784.6	778.7	774.1	768.2	763.2	759.8
22.5°	799.7	793.4	789.2	782.5	776.6	771.2	765.7	760.3	754.8	750.6	746.8
25°	782.1	775.4	770.8	765.3	759.8	755.6	748.9	745.6	740.1	736.3	732.5
27.5°	756.9	751.9	747.7	742.2	737.6	734.2	729.2	725.8	721.2	717.8	714.9
30°	719.9	715.7	712.0	706.5	703.1	700.2	695.6	692.6	689.3	685.5	684.7
32.5°	670.4	667.0	663.2	659.4	656.9	655.2	651.5	649.8	646.4	644.3	642.2
35°	595.6	592.7	590.6	588.9	588.0	588.5	587.6	589.3	590.1	589.7	590.1
37.5°	497.7	496.1	496.9	498.2	502.4	507.8	512.9	520.4	525.5	530.5	535.1
40°	388.5	389.8	393.1	400.7	411.6	423.8	435.2	449.4	463.7	473.8	483.0
42.5°	293.2	297.0	305.4	316.3	332.7	350.7	368.4	389.4	406.6	423.4	435.2
45°	220.5	225.6	236.5	251.6	269.7	290.7	312.9	336.4	357.0	374.3	387.3
47.5°	171.8	176.4	187.3	203.3	225.6	247.4	270.5	294.9	316.3	333.1	344.4
50°	135.7	141.5	151.2	168.0	190.3	213.4	237.3	261.3	281.4	295.7	305.8
52.5°	106.7	112.2	121.4	139.0	161.7	184.8	207.1	230.6	248.2	262.1	268.8
55°	82.7	87.8	97.4	112.2	133.6	156.3	178.5	198.7	215.1	225.1	231.4
57.5°	63.0	66.8	73.5	88.2	107.5	128.5	147.4	167.6	180.2	187.3	191.5
60°	47.9	50.8	58.0	69.3	86.9	105.0	121.0	136.1	146.2	152.1	156.3
62.5°	36.1	39.5	44.5	54.2	67.6	82.3	95.8	107.1	115.5	119.3	122.2
65°	24.8	27.3	31.1	38.6	50.0	60.5	71.0	79.4	84.9	89.1	90.7
67.5°	18.5	20.2	22.3	28.1	36.1	44.5	51.7	57.5	63.4	65.1	68.0
70°	13.9	15.1	17.2	21.4	26.0	31.9	37.8	41.2	45.4	48.3	49.2
72.5°	8.8	9.2	11.3	13.9	17.6	21.4	25.2	28.1	30.7	32.3	33.2
75°	5.0	7.6	7.6	10.1	12.6	14.3	16.8	18.9	20.2	21.4	21.4
77.5°	3.4	4.6	5.0	6.3	7.6	9.7	11.8	13.0	14.3	14.7	14.7
80°	2.9	3.4	3.4	4.6	5.5	7.1	8.4	8.8	9.7	10.1	10.9
82.5°	1.3	1.7	2.1	3.4	3.8	3.8	5.0	5.5	6.3	6.7	6.7
85°	0.4	0.8	0.8	1.3	2.1	2.5	2.9	3.4	3.8	3.8	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: P244519

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	860.2	860.2	860.2	860.2	860.2	860.2	860.2
2.5°	852.7	853.1	851.4	851.0	850.1	850.6	851.4
5°	837.1	837.5	835.9	834.2	834.2	833.8	834.2
7.5°	822.4	822.8	820.3	819.5	817.8	818.2	818.2
10°	807.7	807.7	804.0	803.5	802.3	801.8	801.8
12.5°	793.4	792.2	789.2	787.6	788.4	785.9	785.9
15°	780.8	778.7	775.0	773.7	771.6	770.8	770.8
17.5°	767.8	766.1	762.8	760.3	757.7	757.3	757.7
20°	755.2	753.5	749.3	747.7	745.6	745.6	744.7
22.5°	742.6	740.9	737.2	735.9	733.0	733.0	733.4
25°	729.6	728.3	724.1	723.3	722.9	721.2	722.0
27.5°	712.0	711.1	707.8	706.5	704.8	704.4	705.2
30°	679.6	678.3	675.8	674.6	671.6	672.1	672.9
32.5°	639.3	637.6	634.2	633.0	630.5	629.6	630.0
35°	588.9	587.6	584.7	584.7	582.2	581.3	582.2
37.5°	537.6	538.9	537.6	538.9	537.6	537.2	537.6
40°	489.3	494.0	494.8	499.4	497.7	500.3	499.8
42.5°	443.1	450.7	453.6	457.4	456.6	458.3	459.5
45°	396.5	402.8	405.8	408.3	408.7	409.5	410.0
47.5°	352.4	357.4	357.9	360.8	360.4	360.4	361.6
50°	311.3	314.6	315.4	317.5	315.9	315.0	315.4
52.5°	273.0	276.4	275.5	276.4	274.3	273.4	273.9
55°	234.0	235.6	235.6	235.6	233.1	233.1	233.1
57.5°	194.1	194.5	193.6	194.1	193.6	191.1	190.7
60°	157.5	157.5	157.1	157.5	156.3	155.0	155.0
62.5°	123.1	123.9	125.6	123.9	123.1	123.9	122.6
65°	92.0	93.7	93.2	94.1	93.7	93.7	92.8
67.5°	69.3	69.7	70.1	70.6	70.6	70.6	70.6
70°	50.8	52.1	51.7	51.7	51.7	51.7	54.2
72.5°	34.0	35.7	35.3	36.1	36.1	37.0	36.1
75°	23.1	24.8	23.9	25.2	24.8	23.9	26.0
77.5°	15.5	16.4	16.8	17.2	16.8	16.4	16.8
80°	10.9	11.8	11.3	11.8	11.8	11.8	12.2
82.5°	6.7	8.0	7.6	8.0	7.6	8.0	8.0
85°	4.6	5.0	4.2	5.0	4.6	4.6	5.5
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)