

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: P244957

Luminaire Tested: **LD8B15D010 ER8B15830 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244957
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 ER8B15830 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1472.0 lumens
Efficiency: N/A
Efficacy: 102.2 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

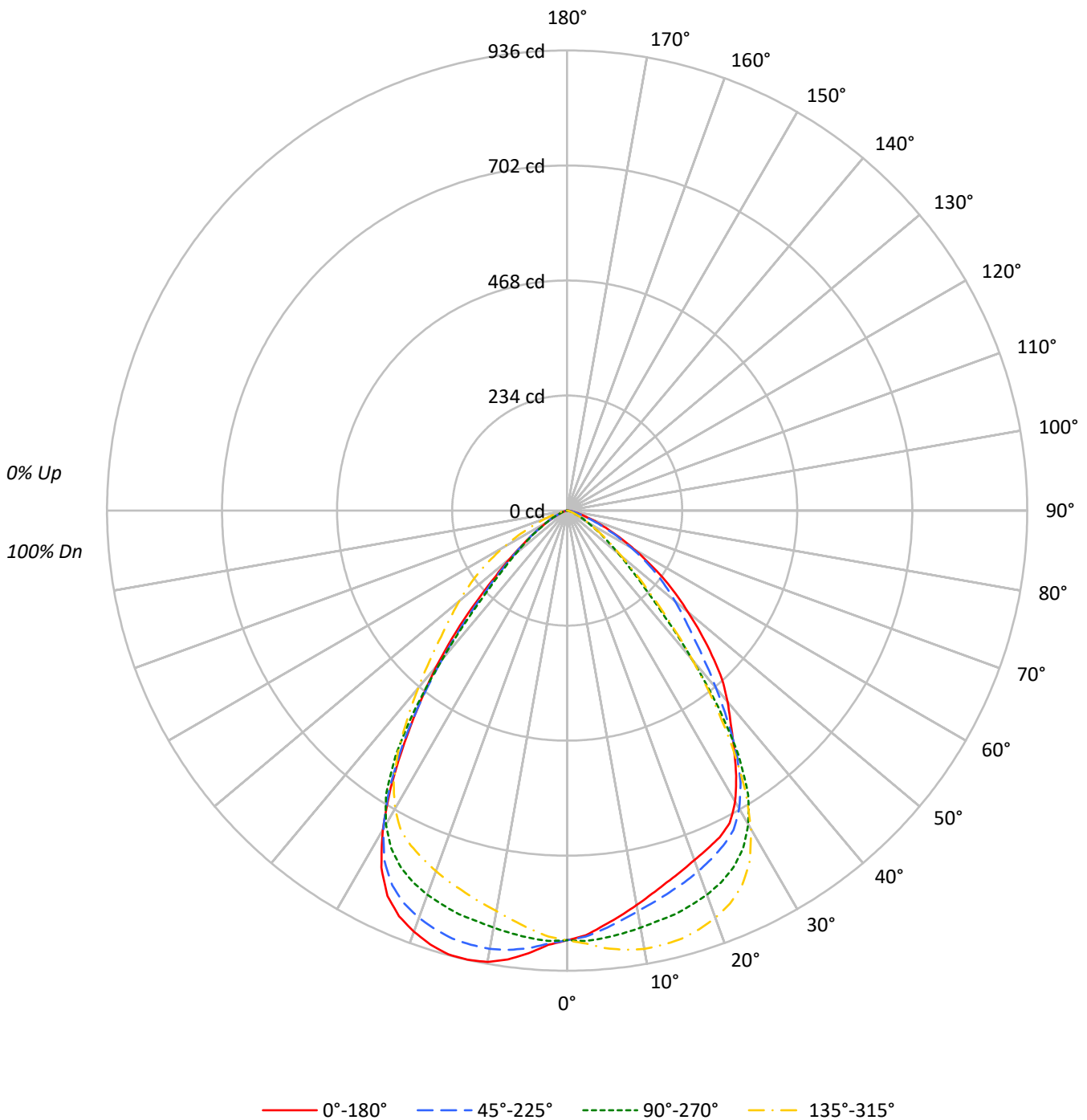
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	26948	26948	26948	26948
5°	26231	27011	27976	27011
10°	25507	26975	29192	26975
15°	24997	27135	29833	27135
20°	24825	27289	29908	27289
25°	24957	27236	29427	27236
30°	24341	26239	26709	26239
35°	22263	22888	21717	22888
40°	20441	15920	16629	15920
45°	18163	9712	11238	9712
50°	15370	6491	7206	6491
55°	12731	4430	4677	4430
60°	9713	2948	2973	2948
65°	6881	1839	1678	1839
70°	4959	1226	1118	1226
75°	3157	608	512	608
80°	2202	462	373	462
85°	1981	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	5.7
10°-20°	240.9	16.4
20°-30°	364.7	24.8
30°-40°	365.5	24.8
40°-50°	229.5	15.6
50°-60°	122.3	8.3
60°-70°	50.3	3.4
70°-80°	13.3	0.9
80°-90°	2.3	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°	688.8	46.8
0°-40°	1054.3	71.6
0°-60°	1406.2	95.5
0°-90°	1472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1472.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	874	874	874	874	874	
5°	847	873	904	873	847	80
15°	783	850	934	850	783	221
25°	734	800	865	800	734	336
35°	591	608	577	608	591	371
45°	416	223	258	223	416	320
55°	237	82	87	82	237	211
65°	94	25	23	25	94	98
75°	26	5	4	5	26	30
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°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9
2.5°	864.9	864.1	863.6	864.5	864.9	866.6	866.2	867.0	867.0	867.5	868.3
5°	847.4	847.0	847.4	847.4	849.1	850.8	850.4	851.7	852.5	854.7	855.5
7.5°	831.2	831.2	830.8	832.5	833.3	835.9	835.5	837.6	838.9	841.0	844.0
10°	814.6	814.6	815.0	816.3	816.7	820.5	820.5	823.5	825.2	827.4	831.2
12.5°	798.4	798.4	800.9	800.1	801.8	804.8	806.0	809.0	811.6	815.9	819.7
15°	783.0	783.0	783.9	786.0	787.3	791.1	793.2	796.7	799.6	803.9	809.5
17.5°	769.8	769.3	769.8	772.3	774.9	778.3	780.0	784.3	787.3	792.8	797.9
20°	756.5	757.4	757.4	759.5	761.2	765.5	767.2	771.9	775.3	780.4	786.4
22.5°	745.0	744.6	744.6	747.6	748.9	752.7	754.4	758.7	762.5	766.8	772.3
25°	733.5	732.6	734.4	734.8	735.6	739.9	741.2	744.2	748.0	751.8	757.4
27.5°	716.4	715.6	716.0	717.7	719.0	722.4	723.3	726.2	729.2	732.6	737.3
30°	683.6	682.7	682.3	685.3	686.6	689.1	690.4	695.5	696.4	700.2	703.6
32.5°	640.0	639.6	640.5	643.0	644.3	647.7	649.4	652.4	654.5	656.7	660.1
35°	591.4	590.5	591.4	594.0	594.0	597.0	598.2	599.5	599.1	599.5	598.7
37.5°	546.2	545.7	546.2	547.4	546.2	547.4	546.2	543.6	538.9	533.8	528.7
40°	507.8	508.2	505.6	507.4	502.6	501.8	497.1	490.7	481.3	471.1	456.6
42.5°	466.8	465.5	463.8	464.7	460.8	457.8	450.2	442.1	430.1	413.1	395.5
45°	416.5	416.0	415.2	414.8	412.2	409.2	402.8	393.4	380.2	362.7	341.8
47.5°	367.4	366.1	366.1	366.5	363.5	363.1	358.0	349.9	338.4	321.3	299.5
50°	320.4	320.0	320.9	322.6	320.4	319.6	316.2	310.6	300.4	285.9	265.4
52.5°	278.2	277.8	278.6	280.8	279.9	280.8	277.4	273.1	266.3	252.2	234.3
55°	236.8	236.8	236.8	239.4	239.4	239.4	237.7	235.1	228.7	218.5	201.8
57.5°	193.7	194.1	196.7	197.1	196.7	197.6	197.1	194.6	190.3	183.1	170.3
60°	157.5	157.5	158.7	160.0	159.6	160.0	160.0	158.7	154.5	148.5	138.3
62.5°	124.6	125.9	125.0	125.9	127.6	125.9	125.0	124.2	121.2	117.3	108.8
65°	94.3	95.2	95.2	95.6	94.7	95.2	93.5	92.2	90.5	86.2	80.7
67.5°	71.7	71.7	71.7	71.7	71.3	70.8	70.4	69.1	66.1	64.4	58.5
70°	55.0	52.5	52.5	52.5	52.5	52.9	51.6	49.9	49.1	46.1	41.8
72.5°	36.7	37.6	36.7	36.7	35.8	36.3	34.6	33.7	32.9	31.2	28.6
75°	26.5	24.3	25.2	25.6	24.3	25.2	23.5	21.8	21.8	20.5	19.2
77.5°	17.1	16.7	17.1	17.5	17.1	16.7	15.8	14.9	14.9	14.5	13.2
80°	12.4	11.9	11.9	11.9	11.5	11.9	11.1	11.1	10.2	9.8	9.0
82.5°	8.1	8.1	7.7	8.1	7.7	8.1	6.8	6.8	6.8	6.4	5.6
85°	5.6	4.7	4.7	5.1	4.3	5.1	4.7	4.3	3.8	3.8	3.4
87.5°	2.6	3.0	2.6	3.0	2.6	2.6	3.0	2.6	2.6	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°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9
2.5°	869.6	870.0	870.0	871.8	872.6	873.0	873.0	876.4	875.2	876.0	876.9
5°	857.2	859.8	860.7	860.7	865.3	867.0	868.8	872.6	873.0	875.6	878.6
7.5°	845.3	848.3	850.0	853.8	856.8	859.8	864.9	867.5	870.0	873.5	877.3
10°	833.8	837.2	840.6	843.6	848.3	852.1	855.5	861.5	864.5	869.2	874.3
12.5°	822.7	827.4	830.4	835.5	840.6	844.0	849.1	854.7	859.4	864.1	870.0
15°	812.9	818.4	821.8	827.4	832.9	837.6	843.2	850.0	853.4	859.0	864.5
17.5°	802.2	808.2	812.4	817.6	824.4	829.5	834.2	841.0	845.3	851.3	857.7
20°	791.1	797.1	802.2	807.3	814.1	819.3	824.8	831.6	836.3	842.3	847.4
22.5°	777.9	783.4	789.0	794.9	801.8	806.0	812.4	818.4	823.5	829.1	834.2
25°	760.8	767.6	771.9	777.4	783.0	787.7	794.5	800.5	804.8	809.9	814.6
27.5°	740.7	745.9	749.3	754.0	759.5	763.8	768.9	774.9	779.2	783.9	787.3
30°	706.6	711.3	714.3	717.7	723.3	727.1	731.4	736.9	739.9	743.3	746.3
32.5°	661.8	665.6	667.4	669.9	673.8	677.6	681.0	685.7	687.0	689.1	689.1
35°	597.0	597.8	597.4	598.2	599.9	602.1	605.1	608.0	609.7	609.7	608.5
37.5°	521.0	515.9	510.3	506.1	504.8	503.9	505.6	506.9	508.6	509.5	507.4
40°	442.1	430.5	418.2	407.1	399.4	396.0	394.7	395.5	395.5	398.5	398.5
42.5°	374.2	356.3	338.0	321.3	310.2	301.7	297.8	297.8	298.3	300.4	301.7
45°	317.9	295.3	273.9	255.6	240.2	229.1	224.0	222.7	222.3	223.2	226.1
47.5°	274.8	251.3	229.1	206.5	190.3	179.2	174.5	172.8	171.1	172.8	173.2
50°	241.1	216.8	193.3	170.7	153.6	143.8	137.8	135.3	134.8	134.8	135.7
52.5°	210.4	187.8	164.3	141.2	123.3	113.9	108.4	107.1	105.4	107.1	107.1
55°	181.3	158.7	135.7	113.9	99.0	89.2	84.1	82.4	81.5	82.8	82.8
57.5°	149.8	130.6	109.2	89.6	74.7	67.8	64.0	61.9	61.4	62.3	61.4
60°	122.9	106.7	88.3	70.4	58.9	51.6	48.7	47.8	46.9	47.8	47.8
62.5°	97.3	83.6	68.7	55.0	45.2	40.1	36.7	36.7	36.3	36.3	36.7
65°	72.1	61.4	50.8	39.3	31.6	27.7	25.2	25.2	24.7	25.2	24.7
67.5°	52.5	45.2	36.7	28.6	22.6	20.5	18.8	17.5	18.4	17.5	17.1
70°	38.4	32.4	26.5	21.8	17.5	15.4	14.1	13.6	12.8	12.8	12.8
72.5°	25.6	21.8	17.9	14.1	11.5	9.4	9.0	8.1	7.3	7.7	8.5
75°	17.1	14.5	12.8	10.2	7.7	7.7	5.1	5.1	4.3	5.1	3.8
77.5°	11.9	9.8	7.7	6.4	5.1	4.7	3.4	3.4	3.0	3.0	3.0
80°	8.5	7.3	5.6	4.7	3.4	3.4	3.0	2.6	2.1	2.1	2.6
82.5°	5.1	3.8	3.8	3.4	2.1	1.7	1.3	1.7	0.9	0.9	0.9
85°	3.0	2.6	2.1	1.3	0.9	0.9	0.4	0.0	0.4	0.4	0.0
87.5°	1.7	0.9	0.9	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.9
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°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9
2.5°	879.0	878.6	879.4	879.4	882.0	881.6	882.8	882.8	882.0	882.4	884.1
5°	882.0	883.3	885.8	888.0	891.8	893.5	895.6	897.8	898.2	899.5	900.8
7.5°	882.0	886.3	889.2	893.1	898.2	901.2	905.9	909.7	911.4	913.6	916.1
10°	880.3	884.5	890.1	894.4	900.8	905.5	910.1	916.1	918.7	922.1	925.5
12.5°	876.9	881.6	887.5	893.1	900.3	904.6	910.6	916.1	920.0	924.7	928.5
15°	871.8	877.3	882.8	888.4	896.1	901.2	906.7	913.1	917.0	922.1	925.5
17.5°	863.6	869.6	874.7	879.9	887.1	893.1	898.2	904.2	908.0	912.3	917.0
20°	853.8	859.4	864.9	869.2	876.4	881.6	887.1	892.7	895.6	896.5	903.8
22.5°	841.5	845.3	849.6	856.4	860.7	865.3	870.5	875.6	878.6	883.3	885.8
25°	821.0	824.8	829.5	832.5	837.6	841.5	846.6	852.1	853.8	857.2	859.8
27.5°	792.4	794.5	796.7	799.2	802.2	804.3	807.3	809.9	811.6	813.3	815.0
30°	747.1	747.1	747.1	745.4	746.7	748.0	748.4	748.0	748.0	747.6	747.6
32.5°	687.4	684.0	680.2	676.7	675.5	673.8	672.9	671.6	669.5	668.2	668.6
35°	606.8	599.1	594.4	590.1	586.7	584.2	582.9	581.6	581.2	579.5	577.7
37.5°	506.1	500.5	497.1	494.5	491.6	489.0	489.4	489.9	491.1	490.3	490.7
40°	399.4	398.1	399.4	396.4	395.5	396.4	398.5	401.5	403.2	404.9	407.9
42.5°	303.8	305.9	308.9	308.9	310.2	311.9	314.5	319.2	321.7	324.7	328.1
45°	228.7	231.3	235.1	236.4	237.2	239.4	242.4	246.2	247.9	250.5	253.5
47.5°	176.2	177.9	180.1	182.2	184.3	185.2	188.2	188.2	190.3	192.0	192.9
50°	137.4	139.1	140.8	142.1	142.9	144.2	145.1	146.4	146.8	147.6	148.1
52.5°	107.5	109.7	109.7	110.5	111.8	113.1	112.7	113.1	113.5	113.5	114.8
55°	84.1	84.1	85.3	85.3	86.2	85.8	86.2	86.2	86.2	86.2	86.6
57.5°	62.7	63.2	64.4	63.6	63.2	64.0	63.2	64.0	63.6	64.4	63.2
60°	48.2	48.2	48.7	48.7	49.1	49.1	49.1	48.7	48.7	48.2	48.2
62.5°	36.3	36.7	37.1	36.7	36.7	36.7	36.3	36.3	35.8	35.4	35.4
65°	24.3	23.9	24.7	23.9	24.3	24.3	23.9	24.3	23.0	23.5	23.0
67.5°	17.5	17.1	16.7	17.1	16.7	16.2	16.2	16.7	17.1	15.8	15.8
70°	11.5	11.9	11.5	11.9	12.4	12.4	11.9	11.5	11.9	11.1	11.5
72.5°	7.3	7.3	7.3	7.3	7.3	7.7	7.7	7.7	6.8	6.8	6.4
75°	3.4	4.7	3.8	3.4	4.7	4.7	4.3	4.3	3.8	3.8	3.8
77.5°	3.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.1	2.6	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°	0.9	0.9	0.9	0.0	0.4	0.9	0.9	0.4	0.9	0.9	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 ER8B15830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9
2.5°	883.7	883.3	883.7	884.1	883.7	883.3	883.7	884.1	882.4	882.0	882.8
5°	902.5	902.5	903.3	903.8	903.3	902.5	902.5	900.8	899.5	898.2	897.8
7.5°	918.7	919.5	920.4	920.8	920.4	919.5	918.7	916.1	913.6	911.4	909.7
10°	928.5	929.8	931.5	932.3	931.5	929.8	928.5	925.5	922.1	918.7	916.1
12.5°	932.8	934.1	936.2	935.8	936.2	934.1	932.8	928.5	924.7	920.0	916.1
15°	929.8	931.5	933.6	934.5	933.6	931.5	929.8	925.5	922.1	917.0	913.1
17.5°	920.4	923.0	924.2	925.5	924.2	923.0	920.4	917.0	912.3	908.0	904.2
20°	907.6	909.3	911.0	911.4	911.0	909.3	907.6	903.8	896.5	895.6	892.7
22.5°	889.2	890.5	894.4	893.1	894.4	890.5	889.2	885.8	883.3	878.6	875.6
25°	862.8	864.1	864.5	864.9	864.5	864.1	862.8	859.8	857.2	853.8	852.1
27.5°	817.1	817.1	818.0	818.4	818.0	817.1	817.1	815.0	813.3	811.6	809.9
30°	748.0	748.0	748.0	750.1	748.0	748.0	748.0	747.6	747.6	748.0	748.0
32.5°	668.2	667.4	666.5	667.4	666.5	667.4	668.2	668.6	668.2	669.5	671.6
35°	577.7	577.3	578.6	576.9	578.6	577.3	577.7	577.7	579.5	581.2	581.6
37.5°	491.1	490.3	492.0	490.3	492.0	490.3	491.1	490.7	490.3	491.1	489.9
40°	408.8	409.6	409.6	413.1	409.6	409.6	408.8	407.9	404.9	403.2	401.5
42.5°	329.8	332.4	331.5	334.1	331.5	332.4	329.8	328.1	324.7	321.7	319.2
45°	255.2	256.9	256.9	257.7	256.9	256.9	255.2	253.5	250.5	247.9	246.2
47.5°	195.8	195.8	195.8	196.3	195.8	195.8	195.8	192.9	192.0	190.3	188.2
50°	148.9	149.3	149.8	150.2	149.8	149.3	148.9	148.1	147.6	146.8	146.4
52.5°	114.4	114.8	113.9	114.8	113.9	114.8	114.4	114.8	113.5	113.5	113.1
55°	86.6	86.2	86.6	87.0	86.6	86.2	86.6	86.6	86.2	86.2	86.2
57.5°	63.6	62.7	62.7	62.7	62.7	62.7	63.6	63.2	64.4	63.6	64.0
60°	47.4	47.8	47.8	48.2	47.8	47.8	47.4	48.2	48.2	48.7	48.7
62.5°	35.0	36.3	35.4	36.3	35.4	36.3	35.0	35.4	35.4	35.8	36.3
65°	22.6	22.6	22.6	23.0	22.6	22.6	22.6	23.0	23.5	23.0	24.3
67.5°	15.4	15.8	16.7	16.2	16.7	15.8	15.4	15.8	15.8	17.1	16.7
70°	12.4	11.1	11.1	12.4	11.1	11.1	12.4	11.5	11.1	11.9	11.5
72.5°	7.3	6.4	7.3	7.3	7.3	6.4	7.3	6.4	6.8	6.8	7.7
75°	3.8	3.4	3.0	4.3	3.0	3.4	3.8	3.8	3.8	3.8	4.3
77.5°	2.6	2.1	3.0	3.0	3.0	2.1	2.6	2.1	2.6	2.1	2.6
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	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.9	0.9	0.4
85°	0.0	0.9	0.4	0.4	0.4	0.9	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: P244957

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9
2.5°	882.8	881.6	882.0	879.4	879.4	878.6	879.0	876.9	876.0	875.2	876.4
5°	895.6	893.5	891.8	888.0	885.8	883.3	882.0	878.6	875.6	873.0	872.6
7.5°	905.9	901.2	898.2	893.1	889.2	886.3	882.0	877.3	873.5	870.0	867.5
10°	910.1	905.5	900.8	894.4	890.1	884.5	880.3	874.3	869.2	864.5	861.5
12.5°	910.6	904.6	900.3	893.1	887.5	881.6	876.9	870.0	864.1	859.4	854.7
15°	906.7	901.2	896.1	888.4	882.8	877.3	871.8	864.5	859.0	853.4	850.0
17.5°	898.2	893.1	887.1	879.9	874.7	869.6	863.6	857.7	851.3	845.3	841.0
20°	887.1	881.6	876.4	869.2	864.9	859.4	853.8	847.4	842.3	836.3	831.6
22.5°	870.5	865.3	860.7	856.4	849.6	845.3	841.5	834.2	829.1	823.5	818.4
25°	846.6	841.5	837.6	832.5	829.5	824.8	821.0	814.6	809.9	804.8	800.5
27.5°	807.3	804.3	802.2	799.2	796.7	794.5	792.4	787.3	783.9	779.2	774.9
30°	748.4	748.0	746.7	745.4	747.1	747.1	747.1	746.3	743.3	739.9	736.9
32.5°	672.9	673.8	675.5	676.7	680.2	684.0	687.4	689.1	689.1	687.0	685.7
35°	582.9	584.2	586.7	590.1	594.4	599.1	606.8	608.5	609.7	609.7	608.0
37.5°	489.4	489.0	491.6	494.5	497.1	500.5	506.1	507.4	509.5	508.6	506.9
40°	398.5	396.4	395.5	396.4	399.4	398.1	399.4	398.5	398.5	395.5	395.5
42.5°	314.5	311.9	310.2	308.9	308.9	305.9	303.8	301.7	300.4	298.3	297.8
45°	242.4	239.4	237.2	236.4	235.1	231.3	228.7	226.1	223.2	222.3	222.7
47.5°	188.2	185.2	184.3	182.2	180.1	177.9	176.2	173.2	172.8	171.1	172.8
50°	145.1	144.2	142.9	142.1	140.8	139.1	137.4	135.7	134.8	134.8	135.3
52.5°	112.7	113.1	111.8	110.5	109.7	109.7	107.5	107.1	107.1	105.4	107.1
55°	86.2	85.8	86.2	85.3	85.3	84.1	84.1	82.8	82.8	81.5	82.4
57.5°	63.2	64.0	63.2	63.6	64.4	63.2	62.7	61.4	62.3	61.4	61.9
60°	49.1	49.1	49.1	48.7	48.7	48.2	48.2	47.8	47.8	46.9	47.8
62.5°	36.3	36.7	36.7	36.7	37.1	36.7	36.3	36.7	36.3	36.3	36.7
65°	23.9	24.3	24.3	23.9	24.7	23.9	24.3	24.7	25.2	24.7	25.2
67.5°	16.2	16.2	16.7	17.1	16.7	17.1	17.5	17.1	17.5	18.4	17.5
70°	11.9	12.4	12.4	11.9	11.5	11.9	11.5	12.8	12.8	12.8	13.6
72.5°	7.7	7.7	7.3	7.3	7.3	7.3	7.3	8.5	7.7	7.3	8.1
75°	4.3	4.7	4.7	3.4	3.8	4.7	3.4	3.8	5.1	4.3	5.1
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.0	3.0	3.0	3.4
80°	2.1	1.7	1.7	1.3	1.7	1.7	1.7	2.6	2.1	2.1	2.6
82.5°	0.9	0.9	0.4	0.0	0.9	0.9	0.9	0.9	0.9	0.9	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	0.9	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: P244957

CATALOG NUMBER: LD8B15D010 ER8B15830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9
2.5°	873.0	873.0	872.6	871.8	870.0	870.0	869.6	868.3	867.5	867.0	867.0
5°	868.8	867.0	865.3	860.7	860.7	859.8	857.2	855.5	854.7	852.5	851.7
7.5°	864.9	859.8	856.8	853.8	850.0	848.3	845.3	844.0	841.0	838.9	837.6
10°	855.5	852.1	848.3	843.6	840.6	837.2	833.8	831.2	827.4	825.2	823.5
12.5°	849.1	844.0	840.6	835.5	830.4	827.4	822.7	819.7	815.9	811.6	809.0
15°	843.2	837.6	832.9	827.4	821.8	818.4	812.9	809.5	803.9	799.6	796.7
17.5°	834.2	829.5	824.4	817.6	812.4	808.2	802.2	797.9	792.8	787.3	784.3
20°	824.8	819.3	814.1	807.3	802.2	797.1	791.1	786.4	780.4	775.3	771.9
22.5°	812.4	806.0	801.8	794.9	789.0	783.4	777.9	772.3	766.8	762.5	758.7
25°	794.5	787.7	783.0	777.4	771.9	767.6	760.8	757.4	751.8	748.0	744.2
27.5°	768.9	763.8	759.5	754.0	749.3	745.9	740.7	737.3	732.6	729.2	726.2
30°	731.4	727.1	723.3	717.7	714.3	711.3	706.6	703.6	700.2	696.4	695.5
32.5°	681.0	677.6	673.8	669.9	667.4	665.6	661.8	660.1	656.7	654.5	652.4
35°	605.1	602.1	599.9	598.2	597.4	597.8	597.0	598.7	599.5	599.1	599.5
37.5°	505.6	503.9	504.8	506.1	510.3	515.9	521.0	528.7	533.8	538.9	543.6
40°	394.7	396.0	399.4	407.1	418.2	430.5	442.1	456.6	471.1	481.3	490.7
42.5°	297.8	301.7	310.2	321.3	338.0	356.3	374.2	395.5	413.1	430.1	442.1
45°	224.0	229.1	240.2	255.6	273.9	295.3	317.9	341.8	362.7	380.2	393.4
47.5°	174.5	179.2	190.3	206.5	229.1	251.3	274.8	299.5	321.3	338.4	349.9
50°	137.8	143.8	153.6	170.7	193.3	216.8	241.1	265.4	285.9	300.4	310.6
52.5°	108.4	113.9	123.3	141.2	164.3	187.8	210.4	234.3	252.2	266.3	273.1
55°	84.1	89.2	99.0	113.9	135.7	158.7	181.3	201.8	218.5	228.7	235.1
57.5°	64.0	67.8	74.7	89.6	109.2	130.6	149.8	170.3	183.1	190.3	194.6
60°	48.7	51.6	58.9	70.4	88.3	106.7	122.9	138.3	148.5	154.5	158.7
62.5°	36.7	40.1	45.2	55.0	68.7	83.6	97.3	108.8	117.3	121.2	124.2
65°	25.2	27.7	31.6	39.3	50.8	61.4	72.1	80.7	86.2	90.5	92.2
67.5°	18.8	20.5	22.6	28.6	36.7	45.2	52.5	58.5	64.4	66.1	69.1
70°	14.1	15.4	17.5	21.8	26.5	32.4	38.4	41.8	46.1	49.1	49.9
72.5°	9.0	9.4	11.5	14.1	17.9	21.8	25.6	28.6	31.2	32.9	33.7
75°	5.1	7.7	7.7	10.2	12.8	14.5	17.1	19.2	20.5	21.8	21.8
77.5°	3.4	4.7	5.1	6.4	7.7	9.8	11.9	13.2	14.5	14.9	14.9
80°	3.0	3.4	3.4	4.7	5.6	7.3	8.5	9.0	9.8	10.2	11.1
82.5°	1.3	1.7	2.1	3.4	3.8	3.8	5.1	5.6	6.4	6.8	6.8
85°	0.4	0.9	0.9	1.3	2.1	2.6	3.0	3.4	3.8	3.8	4.3
87.5°	0.4	0.4	0.0	0.4	0.9	0.9	1.7	1.7	1.7	2.6	2.6
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: P244957

CATALOG NUMBER: LD8B15D010 ER8B15830 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	873.9	873.9	873.9	873.9	873.9	873.9	873.9
2.5°	866.2	866.6	864.9	864.5	863.6	864.1	864.9
5°	850.4	850.8	849.1	847.4	847.4	847.0	847.4
7.5°	835.5	835.9	833.3	832.5	830.8	831.2	831.2
10°	820.5	820.5	816.7	816.3	815.0	814.6	814.6
12.5°	806.0	804.8	801.8	800.1	800.9	798.4	798.4
15°	793.2	791.1	787.3	786.0	783.9	783.0	783.0
17.5°	780.0	778.3	774.9	772.3	769.8	769.3	769.8
20°	767.2	765.5	761.2	759.5	757.4	757.4	756.5
22.5°	754.4	752.7	748.9	747.6	744.6	744.6	745.0
25°	741.2	739.9	735.6	734.8	734.4	732.6	733.5
27.5°	723.3	722.4	719.0	717.7	716.0	715.6	716.4
30°	690.4	689.1	686.6	685.3	682.3	682.7	683.6
32.5°	649.4	647.7	644.3	643.0	640.5	639.6	640.0
35°	598.2	597.0	594.0	594.0	591.4	590.5	591.4
37.5°	546.2	547.4	546.2	547.4	546.2	545.7	546.2
40°	497.1	501.8	502.6	507.4	505.6	508.2	507.8
42.5°	450.2	457.8	460.8	464.7	463.8	465.5	466.8
45°	402.8	409.2	412.2	414.8	415.2	416.0	416.5
47.5°	358.0	363.1	363.5	366.5	366.1	366.1	367.4
50°	316.2	319.6	320.4	322.6	320.9	320.0	320.4
52.5°	277.4	280.8	279.9	280.8	278.6	277.8	278.2
55°	237.7	239.4	239.4	239.4	236.8	236.8	236.8
57.5°	197.1	197.6	196.7	197.1	196.7	194.1	193.7
60°	160.0	160.0	159.6	160.0	158.7	157.5	157.5
62.5°	125.0	125.9	127.6	125.9	125.0	125.9	124.6
65°	93.5	95.2	94.7	95.6	95.2	95.2	94.3
67.5°	70.4	70.8	71.3	71.7	71.7	71.7	71.7
70°	51.6	52.9	52.5	52.5	52.5	52.5	55.0
72.5°	34.6	36.3	35.8	36.7	36.7	37.6	36.7
75°	23.5	25.2	24.3	25.6	25.2	24.3	26.5
77.5°	15.8	16.7	17.1	17.5	17.1	16.7	17.1
80°	11.1	11.9	11.5	11.9	11.9	11.9	12.4
82.5°	6.8	8.1	7.7	8.1	7.7	8.1	8.1
85°	4.7	5.1	4.3	5.1	4.7	4.7	5.6
87.5°	3.0	2.6	2.6	3.0	2.6	3.0	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)