

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: P245930

Luminaire Tested: **LD8B20D010 ER8B20935 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245930
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: LD8B20D010 ER8B20935 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1429.0 lumens
Efficiency: N/A
Efficacy: 67.1 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

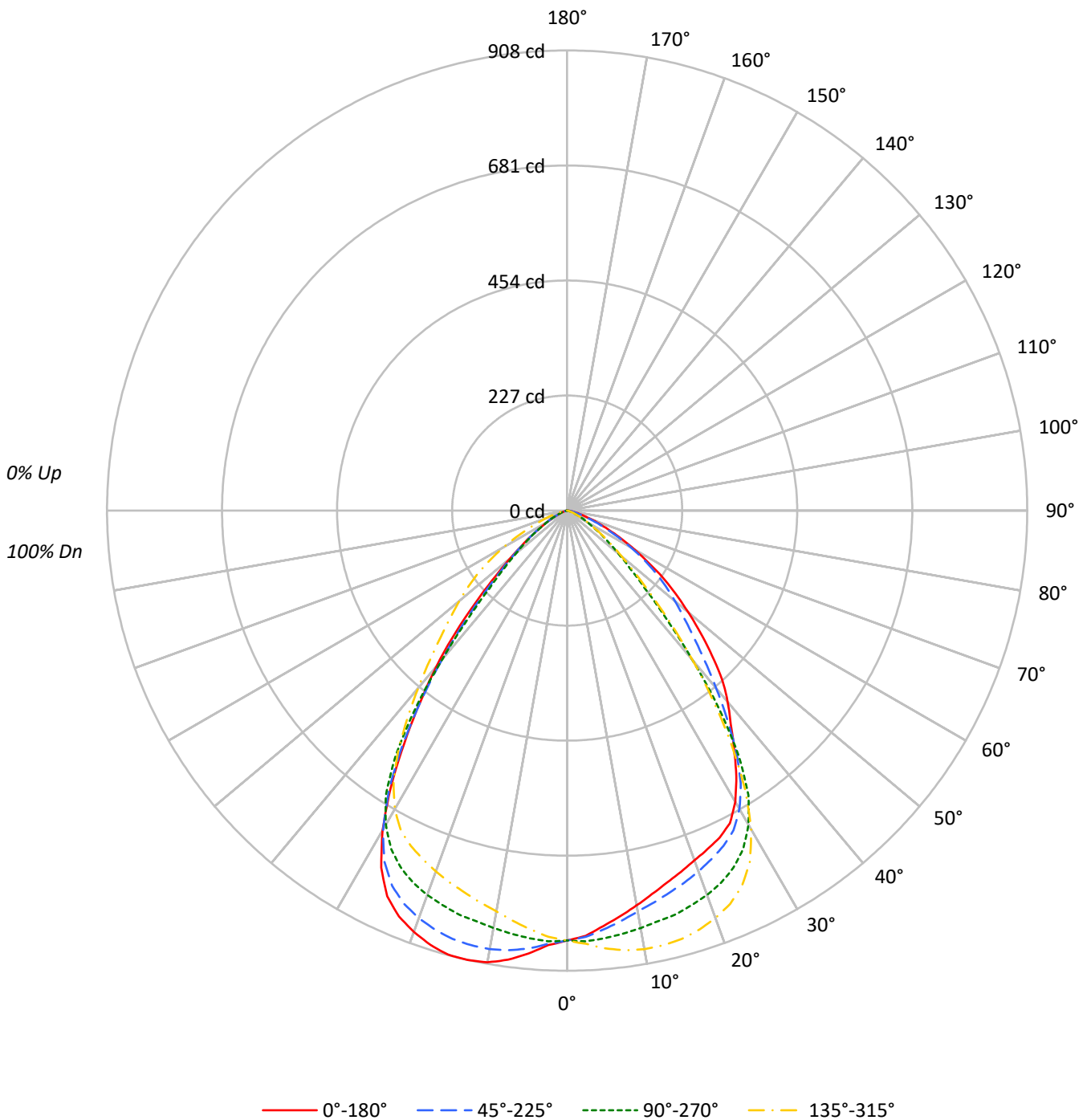
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	26162	26162	26162	26162
5°	25466	26221	27159	26221
10°	24762	26186	28341	26186
15°	24266	26344	28962	26344
20°	24100	26492	29035	26492
25°	24229	26440	28570	26440
30°	23629	25473	25929	25473
35°	21612	22221	21081	22221
40°	19841	15458	16142	15458
45°	17631	9428	10911	9428
50°	14924	6299	6994	6299
55°	12360	4296	4543	4296
60°	9430	2862	2886	2862
65°	6676	1780	1634	1780
70°	4815	1190	1082	1190
75°	3062	596	488	596
80°	2131	444	373	444
85°	1911	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	5.7
10°-20°	233.8	16.4
20°-30°	354.1	24.8
30°-40°	354.9	24.8
40°-50°	222.8	15.6
50°-60°	118.8	8.3
60°-70°	48.8	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°	668.6	46.8
0°-40°	1023.5	71.6
0°-60°	1365.1	95.5
0°-90°	1429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1429.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	848	848	848	848	848	
5°	823	847	877	847	823	78
15°	760	825	907	825	760	215
25°	712	777	840	777	712	327
35°	574	590	560	590	574	360
45°	404	216	250	216	404	311
55°	230	80	84	80	230	205
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°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	839.7	838.8	838.4	839.2	839.7	841.3	840.9	841.7	841.7	842.1	843.0
5°	822.7	822.2	822.7	822.7	824.3	826.0	825.6	826.8	827.6	829.7	830.5
7.5°	806.9	806.9	806.5	808.2	809.0	811.5	811.1	813.1	814.4	816.5	819.3
10°	790.8	790.8	791.2	792.4	792.9	796.6	796.6	799.5	801.1	803.2	806.9
12.5°	775.0	775.0	777.5	776.7	778.3	781.2	782.5	785.4	787.9	792.0	795.8
15°	760.1	760.1	761.0	763.0	764.3	768.0	770.1	773.4	776.3	780.4	785.8
17.5°	747.3	746.9	747.3	749.8	752.3	755.6	757.2	761.4	764.3	769.6	774.6
20°	734.4	735.3	735.3	737.3	739.0	743.1	744.8	749.4	752.7	757.6	763.4
22.5°	723.3	722.8	722.8	725.7	727.0	730.7	732.4	736.5	740.2	744.4	749.8
25°	712.1	711.2	712.9	713.3	714.1	718.3	719.5	722.4	726.2	729.9	735.3
27.5°	695.5	694.7	695.1	696.7	698.0	701.3	702.1	705.0	707.9	711.2	715.8
30°	663.6	662.8	662.4	665.3	666.5	669.0	670.2	675.2	676.0	679.8	683.1
32.5°	621.3	620.9	621.8	624.2	625.5	628.8	630.5	633.4	635.4	637.5	640.8
35°	574.1	573.3	574.1	576.6	576.6	579.5	580.8	582.0	581.6	582.0	581.2
37.5°	530.2	529.8	530.2	531.5	530.2	531.5	530.2	527.7	523.2	518.2	513.2
40°	492.9	493.3	490.9	492.5	488.0	487.1	482.6	476.4	467.3	457.3	443.2
42.5°	453.2	451.9	450.3	451.1	447.4	444.5	437.0	429.2	417.5	401.0	384.0
45°	404.3	403.9	403.1	402.6	400.2	397.3	391.0	381.9	369.1	352.1	331.8
47.5°	356.7	355.4	355.4	355.8	352.9	352.5	347.5	339.7	328.5	311.9	290.8
50°	311.1	310.7	311.5	313.2	311.1	310.3	307.0	301.6	291.6	277.5	257.6
52.5°	270.1	269.7	270.5	272.6	271.7	272.6	269.3	265.1	258.5	244.8	227.4
55°	229.9	229.9	229.9	232.4	232.4	232.4	230.7	228.3	222.0	212.1	195.9
57.5°	188.1	188.5	191.0	191.4	191.0	191.8	191.4	188.9	184.8	177.7	165.3
60°	152.9	152.9	154.1	155.3	154.9	155.3	155.3	154.1	150.0	144.2	134.2
62.5°	121.0	122.2	121.4	122.2	123.9	122.2	121.4	120.5	117.6	113.9	105.6
65°	91.5	92.4	92.4	92.8	92.0	92.4	90.7	89.5	87.8	83.7	78.3
67.5°	69.6	69.6	69.6	69.6	69.2	68.8	68.4	67.1	64.2	62.6	56.7
70°	53.4	50.9	50.9	50.9	50.9	51.4	50.1	48.5	47.6	44.7	40.6
72.5°	35.6	36.5	35.6	35.6	34.8	35.2	33.6	32.7	31.9	30.2	27.8
75°	25.7	23.6	24.4	24.9	23.6	24.4	22.8	21.1	21.1	19.9	18.6
77.5°	16.6	16.2	16.6	17.0	16.6	16.2	15.3	14.5	14.5	14.1	12.8
80°	12.0	11.6	11.6	11.6	11.2	11.6	10.8	10.8	9.9	9.5	8.7
82.5°	7.9	7.9	7.5	7.9	7.5	7.9	6.6	6.6	6.6	6.2	5.4
85°	5.4	4.6	4.6	5.0	4.1	5.0	4.6	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	1.7	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°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	844.2	844.6	844.6	846.3	847.1	847.5	847.5	850.8	849.6	850.4	851.3
5°	832.2	834.7	835.5	835.5	840.1	841.7	843.4	847.1	847.5	850.0	852.9
7.5°	820.6	823.5	825.2	828.9	831.8	834.7	839.7	842.1	844.6	847.9	851.7
10°	809.4	812.7	816.0	818.9	823.5	827.2	830.5	836.3	839.2	843.8	848.8
12.5°	798.7	803.2	806.1	811.1	816.0	819.3	824.3	829.7	834.3	838.8	844.6
15°	789.1	794.5	797.8	803.2	808.6	813.1	818.5	825.2	828.5	833.9	839.2
17.5°	778.8	784.6	788.7	793.7	800.3	805.3	809.8	816.5	820.6	826.4	832.6
20°	768.0	773.8	778.8	783.7	790.4	795.3	800.7	807.3	811.9	817.7	822.7
22.5°	755.2	760.5	765.9	771.7	778.3	782.5	788.7	794.5	799.5	804.9	809.8
25°	738.6	745.2	749.4	754.7	760.1	764.7	771.3	777.1	781.2	786.2	790.8
27.5°	719.1	724.1	727.4	732.0	737.3	741.5	746.4	752.3	756.4	761.0	764.3
30°	686.0	690.5	693.4	696.7	702.1	705.9	710.0	715.4	718.3	721.6	724.5
32.5°	642.5	646.2	647.9	650.3	654.1	657.8	661.1	665.7	666.9	669.0	669.0
35°	579.5	580.3	579.9	580.8	582.4	584.5	587.4	590.3	591.9	591.9	590.7
37.5°	505.8	500.8	495.4	491.3	490.0	489.2	490.9	492.1	493.8	494.6	492.5
40°	429.2	418.0	405.9	395.2	387.7	384.4	383.2	384.0	384.0	386.9	386.9
42.5°	363.3	345.9	328.1	311.9	301.1	292.9	289.1	289.1	289.5	291.6	292.9
45°	308.6	286.6	265.9	248.1	233.2	222.4	217.5	216.2	215.8	216.6	219.5
47.5°	266.8	244.0	222.4	200.5	184.8	174.0	169.4	167.8	166.1	167.8	168.2
50°	234.0	210.4	187.7	165.7	149.1	139.6	133.8	131.3	130.9	130.9	131.7
52.5°	204.2	182.3	159.5	137.1	119.7	110.6	105.2	104.0	102.3	104.0	104.0
55°	176.0	154.1	131.7	110.6	96.1	86.6	81.6	79.9	79.1	80.4	80.4
57.5°	145.4	126.8	106.1	87.0	72.5	65.9	62.1	60.1	59.6	60.5	59.6
60°	119.3	103.6	85.7	68.4	57.2	50.1	47.2	46.4	45.6	46.4	46.4
62.5°	94.4	81.2	66.7	53.4	43.9	38.9	35.6	35.6	35.2	35.2	35.6
65°	70.0	59.6	49.3	38.1	30.7	26.9	24.4	24.4	24.0	24.4	24.0
67.5°	50.9	43.9	35.6	27.8	22.0	19.9	18.2	17.0	17.8	17.0	16.6
70°	37.3	31.5	25.7	21.1	17.0	14.9	13.7	13.2	12.4	12.4	12.4
72.5°	24.9	21.1	17.4	13.7	11.2	9.1	8.7	7.9	7.0	7.5	8.3
75°	16.6	14.1	12.4	9.9	7.5	7.5	5.0	5.0	4.1	5.0	3.7
77.5°	11.6	9.5	7.5	6.2	5.0	4.6	3.3	3.3	2.9	2.9	2.9
80°	8.3	7.0	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°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	853.3	852.9	853.7	853.7	856.2	855.8	857.0	857.0	856.2	856.6	858.3
5°	856.2	857.5	859.9	862.0	865.7	867.4	869.5	871.6	872.0	873.2	874.5
7.5°	856.2	860.4	863.3	867.0	872.0	874.9	879.4	883.2	884.8	886.9	889.4
10°	854.6	858.7	864.1	868.2	874.5	879.0	883.6	889.4	891.8	895.2	898.5
12.5°	851.3	855.8	861.6	867.0	874.0	878.2	884.0	889.4	893.1	897.6	901.4
15°	846.3	851.7	857.0	862.4	869.9	874.9	880.3	886.5	890.2	895.2	898.5
17.5°	838.4	844.2	849.2	854.1	861.2	867.0	872.0	877.8	881.5	885.6	890.2
20°	828.9	834.3	839.7	843.8	850.8	855.8	861.2	866.6	869.5	870.3	877.4
22.5°	816.9	820.6	824.7	831.4	835.5	840.1	845.0	850.0	852.9	857.5	859.9
25°	797.0	800.7	805.3	808.2	813.1	816.9	821.8	827.2	828.9	832.2	834.7
27.5°	769.2	771.3	773.4	775.9	778.8	780.8	783.7	786.2	787.9	789.5	791.2
30°	725.3	725.3	725.3	723.7	724.9	726.2	726.6	726.2	726.2	725.7	725.7
32.5°	667.3	664.0	660.3	657.0	655.7	654.1	653.2	652.0	649.9	648.7	649.1
35°	589.0	581.6	577.0	572.9	569.6	567.1	565.8	564.6	564.2	562.5	560.9
37.5°	491.3	485.9	482.6	480.1	477.2	474.7	475.1	475.5	476.8	476.0	476.4
40°	387.7	386.5	387.7	384.8	384.0	384.8	386.9	389.8	391.5	393.1	396.0
42.5°	294.9	297.0	299.9	299.9	301.1	302.8	305.3	309.9	312.3	315.2	318.5
45°	222.0	224.5	228.3	229.5	230.3	232.4	235.3	239.0	240.7	243.2	246.1
47.5°	171.1	172.7	174.8	176.9	178.9	179.8	182.7	182.7	184.8	186.4	187.2
50°	133.4	135.0	136.7	137.9	138.8	140.0	140.8	142.1	142.5	143.3	143.7
52.5°	104.4	106.5	106.5	107.3	108.5	109.8	109.4	109.8	110.2	110.2	111.4
55°	81.6	81.6	82.8	82.8	83.7	83.3	83.7	83.7	83.7	83.7	84.1
57.5°	60.9	61.3	62.6	61.7	61.3	62.1	61.3	62.1	61.7	62.6	61.3
60°	46.8	46.8	47.2	47.2	47.6	47.6	47.6	47.2	47.2	46.8	46.8
62.5°	35.2	35.6	36.0	35.6	35.6	35.6	35.2	35.2	34.8	34.4	34.4
65°	23.6	23.2	24.0	23.2	23.6	23.6	23.2	23.6	22.4	22.8	22.4
67.5°	17.0	16.6	16.2	16.6	16.2	15.7	15.7	16.2	16.6	15.3	15.3
70°	11.2	11.6	11.2	11.6	12.0	12.0	11.6	11.2	11.6	10.8	11.2
72.5°	7.0	7.0	7.0	7.0	7.0	7.5	7.5	7.5	6.6	6.6	6.2
75°	3.3	4.6	3.7	3.3	4.6	4.6	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	2.1	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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	857.9	857.5	857.9	858.3	857.9	857.5	857.9	858.3	856.6	856.2	857.0
5°	876.1	876.1	876.9	877.4	876.9	876.1	876.1	874.5	873.2	872.0	871.6
7.5°	891.8	892.7	893.5	893.9	893.5	892.7	891.8	889.4	886.9	884.8	883.2
10°	901.4	902.6	904.3	905.1	904.3	902.6	901.4	898.5	895.2	891.8	889.4
12.5°	905.5	906.8	908.8	908.4	908.8	906.8	905.5	901.4	897.6	893.1	889.4
15°	902.6	904.3	906.3	907.2	906.3	904.3	902.6	898.5	895.2	890.2	886.5
17.5°	893.5	896.0	897.2	898.5	897.2	896.0	893.5	890.2	885.6	881.5	877.8
20°	881.1	882.7	884.4	884.8	884.4	882.7	881.1	877.4	870.3	869.5	866.6
22.5°	863.3	864.5	868.2	867.0	868.2	864.5	863.3	859.9	857.5	852.9	850.0
25°	837.6	838.8	839.2	839.7	839.2	838.8	837.6	834.7	832.2	828.9	827.2
27.5°	793.3	793.3	794.1	794.5	794.1	793.3	793.3	791.2	789.5	787.9	786.2
30°	726.2	726.2	726.2	728.2	726.2	726.2	726.2	725.7	725.7	726.2	726.2
32.5°	648.7	647.9	647.0	647.9	647.0	647.9	648.7	649.1	648.7	649.9	652.0
35°	560.9	560.5	561.7	560.0	561.7	560.5	560.9	560.9	562.5	564.2	564.6
37.5°	476.8	476.0	477.6	476.0	477.6	476.0	476.8	476.4	476.0	476.8	475.5
40°	396.8	397.7	397.7	401.0	397.7	397.7	396.8	396.0	393.1	391.5	389.8
42.5°	320.2	322.7	321.9	324.3	321.9	322.7	320.2	318.5	315.2	312.3	309.9
45°	247.7	249.4	249.4	250.2	249.4	249.4	247.7	246.1	243.2	240.7	239.0
47.5°	190.1	190.1	190.1	190.6	190.1	190.1	190.1	187.2	186.4	184.8	182.7
50°	144.6	145.0	145.4	145.8	145.4	145.0	144.6	143.7	143.3	142.5	142.1
52.5°	111.0	111.4	110.6	111.4	110.6	111.4	111.0	111.4	110.2	110.2	109.8
55°	84.1	83.7	84.1	84.5	84.1	83.7	84.1	84.1	83.7	83.7	83.7
57.5°	61.7	60.9	60.9	60.9	60.9	60.9	61.7	61.3	62.6	61.7	62.1
60°	46.0	46.4	46.4	46.8	46.4	46.4	46.0	46.8	46.8	47.2	47.2
62.5°	34.0	35.2	34.4	35.2	34.4	35.2	34.0	34.4	34.4	34.8	35.2
65°	22.0	22.0	22.0	22.4	22.0	22.0	22.0	22.4	22.8	22.4	23.6
67.5°	14.9	15.3	16.2	15.7	16.2	15.3	14.9	15.3	15.3	16.6	16.2
70°	12.0	10.8	10.8	12.0	10.8	10.8	12.0	11.2	10.8	11.6	11.2
72.5°	7.0	6.2	7.0	7.0	7.0	6.2	7.0	6.2	6.6	6.6	7.5
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	2.1	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°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	857.0	855.8	856.2	853.7	853.7	852.9	853.3	851.3	850.4	849.6	850.8
5°	869.5	867.4	865.7	862.0	859.9	857.5	856.2	852.9	850.0	847.5	847.1
7.5°	879.4	874.9	872.0	867.0	863.3	860.4	856.2	851.7	847.9	844.6	842.1
10°	883.6	879.0	874.5	868.2	864.1	858.7	854.6	848.8	843.8	839.2	836.3
12.5°	884.0	878.2	874.0	867.0	861.6	855.8	851.3	844.6	838.8	834.3	829.7
15°	880.3	874.9	869.9	862.4	857.0	851.7	846.3	839.2	833.9	828.5	825.2
17.5°	872.0	867.0	861.2	854.1	849.2	844.2	838.4	832.6	826.4	820.6	816.5
20°	861.2	855.8	850.8	843.8	839.7	834.3	828.9	822.7	817.7	811.9	807.3
22.5°	845.0	840.1	835.5	831.4	824.7	820.6	816.9	809.8	804.9	799.5	794.5
25°	821.8	816.9	813.1	808.2	805.3	800.7	797.0	790.8	786.2	781.2	777.1
27.5°	783.7	780.8	778.8	775.9	773.4	771.3	769.2	764.3	761.0	756.4	752.3
30°	726.6	726.2	724.9	723.7	725.3	725.3	725.3	724.5	721.6	718.3	715.4
32.5°	653.2	654.1	655.7	657.0	660.3	664.0	667.3	669.0	669.0	666.9	665.7
35°	565.8	567.1	569.6	572.9	577.0	581.6	589.0	590.7	591.9	591.9	590.3
37.5°	475.1	474.7	477.2	480.1	482.6	485.9	491.3	492.5	494.6	493.8	492.1
40°	386.9	384.8	384.0	384.8	387.7	386.5	387.7	386.9	386.9	384.0	384.0
42.5°	305.3	302.8	301.1	299.9	299.9	297.0	294.9	292.9	291.6	289.5	289.1
45°	235.3	232.4	230.3	229.5	228.3	224.5	222.0	219.5	216.6	215.8	216.2
47.5°	182.7	179.8	178.9	176.9	174.8	172.7	171.1	168.2	167.8	166.1	167.8
50°	140.8	140.0	138.8	137.9	136.7	135.0	133.4	131.7	130.9	130.9	131.3
52.5°	109.4	109.8	108.5	107.3	106.5	106.5	104.4	104.0	104.0	102.3	104.0
55°	83.7	83.3	83.7	82.8	82.8	81.6	81.6	80.4	80.4	79.1	79.9
57.5°	61.3	62.1	61.3	61.7	62.6	61.3	60.9	59.6	60.5	59.6	60.1
60°	47.6	47.6	47.6	47.2	47.2	46.8	46.8	46.4	46.4	45.6	46.4
62.5°	35.2	35.6	35.6	35.6	36.0	35.6	35.2	35.6	35.2	35.2	35.6
65°	23.2	23.6	23.6	23.2	24.0	23.2	23.6	24.0	24.4	24.0	24.4
67.5°	15.7	15.7	16.2	16.6	16.2	16.6	17.0	16.6	17.0	17.8	17.0
70°	11.6	12.0	12.0	11.6	11.2	11.6	11.2	12.4	12.4	12.4	13.2
72.5°	7.5	7.5	7.0	7.0	7.0	7.0	7.0	8.3	7.5	7.0	7.9
75°	4.1	4.6	4.6	3.3	3.7	4.6	3.3	3.7	5.0	4.1	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°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	847.5	847.5	847.1	846.3	844.6	844.6	844.2	843.0	842.1	841.7	841.7
5°	843.4	841.7	840.1	835.5	835.5	834.7	832.2	830.5	829.7	827.6	826.8
7.5°	839.7	834.7	831.8	828.9	825.2	823.5	820.6	819.3	816.5	814.4	813.1
10°	830.5	827.2	823.5	818.9	816.0	812.7	809.4	806.9	803.2	801.1	799.5
12.5°	824.3	819.3	816.0	811.1	806.1	803.2	798.7	795.8	792.0	787.9	785.4
15°	818.5	813.1	808.6	803.2	797.8	794.5	789.1	785.8	780.4	776.3	773.4
17.5°	809.8	805.3	800.3	793.7	788.7	784.6	778.8	774.6	769.6	764.3	761.4
20°	800.7	795.3	790.4	783.7	778.8	773.8	768.0	763.4	757.6	752.7	749.4
22.5°	788.7	782.5	778.3	771.7	765.9	760.5	755.2	749.8	744.4	740.2	736.5
25°	771.3	764.7	760.1	754.7	749.4	745.2	738.6	735.3	729.9	726.2	722.4
27.5°	746.4	741.5	737.3	732.0	727.4	724.1	719.1	715.8	711.2	707.9	705.0
30°	710.0	705.9	702.1	696.7	693.4	690.5	686.0	683.1	679.8	676.0	675.2
32.5°	661.1	657.8	654.1	650.3	647.9	646.2	642.5	640.8	637.5	635.4	633.4
35°	587.4	584.5	582.4	580.8	579.9	580.3	579.5	581.2	582.0	581.6	582.0
37.5°	490.9	489.2	490.0	491.3	495.4	500.8	505.8	513.2	518.2	523.2	527.7
40°	383.2	384.4	387.7	395.2	405.9	418.0	429.2	443.2	457.3	467.3	476.4
42.5°	289.1	292.9	301.1	311.9	328.1	345.9	363.3	384.0	401.0	417.5	429.2
45°	217.5	222.4	233.2	248.1	265.9	286.6	308.6	331.8	352.1	369.1	381.9
47.5°	169.4	174.0	184.8	200.5	222.4	244.0	266.8	290.8	311.9	328.5	339.7
50°	133.8	139.6	149.1	165.7	187.7	210.4	234.0	257.6	277.5	291.6	301.6
52.5°	105.2	110.6	119.7	137.1	159.5	182.3	204.2	227.4	244.8	258.5	265.1
55°	81.6	86.6	96.1	110.6	131.7	154.1	176.0	195.9	212.1	222.0	228.3
57.5°	62.1	65.9	72.5	87.0	106.1	126.8	145.4	165.3	177.7	184.8	188.9
60°	47.2	50.1	57.2	68.4	85.7	103.6	119.3	134.2	144.2	150.0	154.1
62.5°	35.6	38.9	43.9	53.4	66.7	81.2	94.4	105.6	113.9	117.6	120.5
65°	24.4	26.9	30.7	38.1	49.3	59.6	70.0	78.3	83.7	87.8	89.5
67.5°	18.2	19.9	22.0	27.8	35.6	43.9	50.9	56.7	62.6	64.2	67.1
70°	13.7	14.9	17.0	21.1	25.7	31.5	37.3	40.6	44.7	47.6	48.5
72.5°	8.7	9.1	11.2	13.7	17.4	21.1	24.9	27.8	30.2	31.9	32.7
75°	5.0	7.5	7.5	9.9	12.4	14.1	16.6	18.6	19.9	21.1	21.1
77.5°	3.3	4.6	5.0	6.2	7.5	9.5	11.6	12.8	14.1	14.5	14.5
80°	2.9	3.3	3.3	4.6	5.4	7.0	8.3	8.7	9.5	9.9	10.8
82.5°	1.2	1.7	2.1	3.3	3.7	3.7	5.0	5.4	6.2	6.6	6.6
85°	0.4	0.8	0.8	1.2	2.1	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	1.7	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: P245930

CATALOG NUMBER: LD8B20D010 ER8B20935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	840.9	841.3	839.7	839.2	838.4	838.8	839.7
5°	825.6	826.0	824.3	822.7	822.7	822.2	822.7
7.5°	811.1	811.5	809.0	808.2	806.5	806.9	806.9
10°	796.6	796.6	792.9	792.4	791.2	790.8	790.8
12.5°	782.5	781.2	778.3	776.7	777.5	775.0	775.0
15°	770.1	768.0	764.3	763.0	761.0	760.1	760.1
17.5°	757.2	755.6	752.3	749.8	747.3	746.9	747.3
20°	744.8	743.1	739.0	737.3	735.3	735.3	734.4
22.5°	732.4	730.7	727.0	725.7	722.8	722.8	723.3
25°	719.5	718.3	714.1	713.3	712.9	711.2	712.1
27.5°	702.1	701.3	698.0	696.7	695.1	694.7	695.5
30°	670.2	669.0	666.5	665.3	662.4	662.8	663.6
32.5°	630.5	628.8	625.5	624.2	621.8	620.9	621.3
35°	580.8	579.5	576.6	576.6	574.1	573.3	574.1
37.5°	530.2	531.5	530.2	531.5	530.2	529.8	530.2
40°	482.6	487.1	488.0	492.5	490.9	493.3	492.9
42.5°	437.0	444.5	447.4	451.1	450.3	451.9	453.2
45°	391.0	397.3	400.2	402.6	403.1	403.9	404.3
47.5°	347.5	352.5	352.9	355.8	355.4	355.4	356.7
50°	307.0	310.3	311.1	313.2	311.5	310.7	311.1
52.5°	269.3	272.6	271.7	272.6	270.5	269.7	270.1
55°	230.7	232.4	232.4	232.4	229.9	229.9	229.9
57.5°	191.4	191.8	191.0	191.4	191.0	188.5	188.1
60°	155.3	155.3	154.9	155.3	154.1	152.9	152.9
62.5°	121.4	122.2	123.9	122.2	121.4	122.2	121.0
65°	90.7	92.4	92.0	92.8	92.4	92.4	91.5
67.5°	68.4	68.8	69.2	69.6	69.6	69.6	69.6
70°	50.1	51.4	50.9	50.9	50.9	50.9	53.4
72.5°	33.6	35.2	34.8	35.6	35.6	36.5	35.6
75°	22.8	24.4	23.6	24.9	24.4	23.6	25.7
77.5°	15.3	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	12.0
82.5°	6.6	7.9	7.5	7.9	7.5	7.9	7.9
85°	4.6	5.0	4.1	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)