

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: P245904

Luminaire Tested: **LD8B10D010 ER8B10840 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245904
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: LD8B10D010 ER8B10840 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 865.0 lumens
Efficiency: N/A
Efficacy: 84.8 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

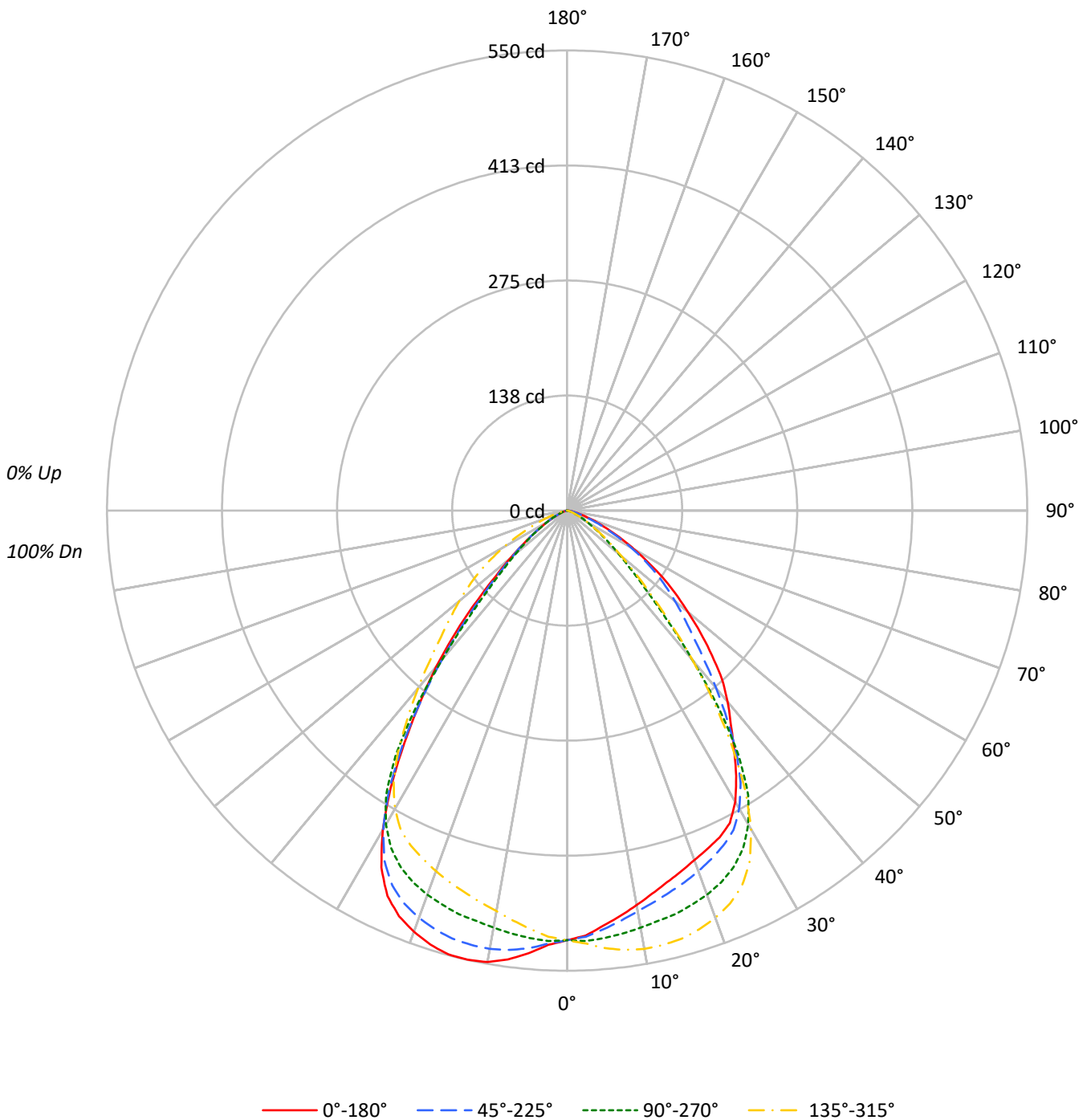
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	15834	15834	15834	15834
5°	15415	15873	16440	15873
10°	14989	15850	17156	15850
15°	14688	15946	17530	15946
20°	14590	16037	17576	16037
25°	14664	16005	17294	16005
30°	14303	15418	15695	15418
35°	13081	13450	12761	13450
40°	12012	9355	9770	9355
45°	10671	5708	6602	5708
50°	9033	3814	4236	3814
55°	7484	2602	2753	2602
60°	5705	1733	1745	1733
65°	4042	1080	985	1080
70°	2912	721	658	721
75°	1847	357	298	357
80°	1296	266	213	266
85°	1168	0	71	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	5.7
10°-20°	141.5	16.4
20°-30°	214.3	24.8
30°-40°	214.8	24.8
40°-50°	134.9	15.6
50°-60°	71.9	8.3
60°-70°	29.6	3.4
70°-80°	7.8	0.9
80°-90°	1.3	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°	404.7	46.8
0°-40°	619.5	71.6
0°-60°	826.3	95.5
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	514	514	514	514	514	
5°	498	513	531	513	498	47
15°	460	500	549	500	460	130
25°	431	470	508	470	431	198
35°	348	357	339	357	348	218
45°	245	131	151	131	245	188
55°	139	48	51	48	139	124
65°	55	15	14	15	55	57
75°	16	3	2	3	16	18
85°	3	0	0	0	3	4
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°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	508.3	507.8	507.5	508.0	508.3	509.3	509.0	509.5	509.5	509.8	510.3
5°	498.0	497.7	498.0	498.0	499.0	500.0	499.7	500.5	501.0	502.2	502.7
7.5°	488.5	488.5	488.2	489.2	489.7	491.2	491.0	492.2	493.0	494.2	496.0
10°	478.7	478.7	478.9	479.7	479.9	482.2	482.2	483.9	484.9	486.2	488.5
12.5°	469.1	469.1	470.7	470.1	471.1	472.9	473.7	475.4	476.9	479.4	481.7
15°	460.1	460.1	460.6	461.9	462.6	464.9	466.1	468.1	469.9	472.4	475.7
17.5°	452.3	452.1	452.3	453.8	455.4	457.4	458.4	460.9	462.6	465.9	468.9
20°	444.6	445.1	445.1	446.3	447.3	449.8	450.8	453.6	455.6	458.6	462.1
22.5°	437.8	437.6	437.6	439.3	440.1	442.3	443.3	445.8	448.1	450.6	453.8
25°	431.0	430.5	431.5	431.8	432.3	434.8	435.5	437.3	439.6	441.8	445.1
27.5°	421.0	420.5	420.7	421.8	422.5	424.5	425.0	426.8	428.5	430.5	433.3
30°	401.7	401.2	400.9	402.7	403.5	404.9	405.7	408.7	409.2	411.5	413.5
32.5°	376.1	375.9	376.4	377.9	378.6	380.6	381.6	383.4	384.6	385.9	387.9
35°	347.5	347.0	347.5	349.0	349.0	350.8	351.5	352.3	352.0	352.3	351.8
37.5°	321.0	320.7	321.0	321.7	321.0	321.7	321.0	319.5	316.7	313.7	310.7
40°	298.4	298.6	297.1	298.1	295.4	294.9	292.1	288.4	282.8	276.8	268.3
42.5°	274.3	273.6	272.6	273.1	270.8	269.0	264.5	259.8	252.7	242.7	232.4
45°	244.7	244.5	244.0	243.7	242.2	240.5	236.7	231.2	223.4	213.1	200.8
47.5°	215.9	215.1	215.1	215.4	213.6	213.4	210.4	205.6	198.8	188.8	176.0
50°	188.3	188.1	188.6	189.6	188.3	187.8	185.8	182.5	176.5	168.0	156.0
52.5°	163.5	163.2	163.7	165.0	164.5	165.0	163.0	160.5	156.5	148.2	137.7
55°	139.2	139.2	139.2	140.7	140.7	140.7	139.7	138.2	134.4	128.4	118.6
57.5°	113.8	114.1	115.6	115.8	115.6	116.1	115.8	114.3	111.8	107.6	100.1
60°	92.5	92.5	93.3	94.0	93.8	94.0	94.0	93.3	90.8	87.3	81.2
62.5°	73.2	74.0	73.5	74.0	75.0	74.0	73.5	73.0	71.2	69.0	63.9
65°	55.4	55.9	55.9	56.2	55.7	55.9	54.9	54.2	53.2	50.7	47.4
67.5°	42.1	42.1	42.1	42.1	41.9	41.6	41.4	40.6	38.9	37.9	34.3
70°	32.3	30.8	30.8	30.8	30.8	31.1	30.3	29.3	28.8	27.1	24.6
72.5°	21.6	22.1	21.6	21.6	21.1	21.3	20.3	19.8	19.3	18.3	16.8
75°	15.5	14.3	14.8	15.0	14.3	14.8	13.8	12.8	12.8	12.0	11.3
77.5°	10.0	9.8	10.0	10.3	10.0	9.8	9.3	8.8	8.8	8.5	7.8
80°	7.3	7.0	7.0	7.0	6.8	7.0	6.5	6.5	6.0	5.8	5.3
82.5°	4.8	4.8	4.5	4.8	4.5	4.8	4.0	4.0	4.0	3.8	3.3
85°	3.3	2.8	2.8	3.0	2.5	3.0	2.8	2.5	2.3	2.3	2.0
87.5°	1.5	1.8	1.5	1.8	1.5	1.5	1.8	1.5	1.5	1.0	1.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	511.0	511.3	511.3	512.3	512.8	513.0	513.0	515.0	514.3	514.8	515.3
5°	503.7	505.2	505.8	505.8	508.5	509.5	510.5	512.8	513.0	514.5	516.3
7.5°	496.7	498.5	499.5	501.7	503.5	505.2	508.3	509.8	511.3	513.3	515.5
10°	490.0	492.0	494.0	495.7	498.5	500.7	502.7	506.2	508.0	510.8	513.8
12.5°	483.4	486.2	487.9	491.0	494.0	496.0	499.0	502.2	505.0	507.8	511.3
15°	477.7	480.9	482.9	486.2	489.5	492.2	495.5	499.5	501.5	504.8	508.0
17.5°	471.4	474.9	477.4	480.4	484.4	487.4	490.2	494.2	496.7	500.2	504.0
20°	464.9	468.4	471.4	474.4	478.4	481.4	484.7	488.7	491.5	495.0	498.0
22.5°	457.1	460.4	463.6	467.1	471.1	473.7	477.4	480.9	483.9	487.2	490.2
25°	447.1	451.1	453.6	456.9	460.1	462.9	466.9	470.4	472.9	475.9	478.7
27.5°	435.3	438.3	440.3	443.1	446.3	448.8	451.8	455.4	457.9	460.6	462.6
30°	415.2	418.0	419.7	421.8	425.0	427.3	429.8	433.0	434.8	436.8	438.6
32.5°	388.9	391.2	392.2	393.7	395.9	398.2	400.2	402.9	403.7	404.9	404.9
35°	350.8	351.3	351.0	351.5	352.5	353.8	355.6	357.3	358.3	358.3	357.6
37.5°	306.2	303.2	299.9	297.4	296.6	296.1	297.1	297.9	298.9	299.4	298.1
40°	259.8	253.0	245.7	239.2	234.7	232.7	231.9	232.4	232.4	234.2	234.2
42.5°	219.9	209.4	198.6	188.8	182.3	177.3	175.0	175.0	175.3	176.5	177.3
45°	186.8	173.5	161.0	150.2	141.2	134.6	131.6	130.9	130.6	131.1	132.9
47.5°	161.5	147.7	134.6	121.4	111.8	105.3	102.6	101.5	100.5	101.5	101.8
50°	141.7	127.4	113.6	100.3	90.3	84.5	81.0	79.5	79.2	79.2	79.7
52.5°	123.6	110.3	96.5	83.0	72.5	67.0	63.7	62.9	61.9	62.9	62.9
55°	106.6	93.3	79.7	67.0	58.2	52.4	49.4	48.4	47.9	48.6	48.6
57.5°	88.0	76.7	64.2	52.7	43.9	39.9	37.6	36.4	36.1	36.6	36.1
60°	72.2	62.7	51.9	41.4	34.6	30.3	28.6	28.1	27.6	28.1	28.1
62.5°	57.2	49.1	40.4	32.3	26.6	23.6	21.6	21.6	21.3	21.3	21.6
65°	42.4	36.1	29.8	23.1	18.6	16.3	14.8	14.8	14.5	14.8	14.5
67.5°	30.8	26.6	21.6	16.8	13.3	12.0	11.0	10.3	10.8	10.3	10.0
70°	22.6	19.1	15.5	12.8	10.3	9.0	8.3	8.0	7.5	7.5	7.5
72.5°	15.0	12.8	10.5	8.3	6.8	5.5	5.3	4.8	4.3	4.5	5.0
75°	10.0	8.5	7.5	6.0	4.5	4.5	3.0	3.0	2.5	3.0	2.3
77.5°	7.0	5.8	4.5	3.8	3.0	2.8	2.0	2.0	1.8	1.8	1.8
80°	5.0	4.3	3.3	2.8	2.0	2.0	1.8	1.5	1.2	1.2	1.5
82.5°	3.0	2.3	2.3	2.0	1.2	1.0	0.8	1.0	0.5	0.5	0.5
85°	1.8	1.5	1.2	0.8	0.5	0.5	0.2	0.0	0.2	0.2	0.0
87.5°	1.0	0.5	0.5	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.5
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°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	516.5	516.3	516.8	516.8	518.3	518.0	518.8	518.8	518.3	518.5	519.5
5°	518.3	519.0	520.5	521.8	524.1	525.1	526.3	527.6	527.8	528.6	529.3
7.5°	518.3	520.8	522.6	524.8	527.8	529.6	532.3	534.6	535.6	536.8	538.3
10°	517.3	519.8	523.0	525.6	529.3	532.1	534.8	538.3	539.9	541.9	543.9
12.5°	515.3	518.0	521.5	524.8	529.1	531.6	535.1	538.3	540.6	543.4	545.6
15°	512.3	515.5	518.8	522.0	526.6	529.6	532.8	536.6	538.9	541.9	543.9
17.5°	507.5	511.0	514.0	517.0	521.3	524.8	527.8	531.3	533.6	536.1	538.9
20°	501.7	505.0	508.3	510.8	515.0	518.0	521.3	524.6	526.3	526.8	531.1
22.5°	494.5	496.7	499.2	503.2	505.8	508.5	511.5	514.5	516.3	519.0	520.5
25°	482.4	484.7	487.4	489.2	492.2	494.5	497.5	500.7	501.7	503.7	505.2
27.5°	465.6	466.9	468.1	469.6	471.4	472.7	474.4	475.9	476.9	477.9	478.9
30°	439.0	439.0	439.0	438.0	438.8	439.6	439.8	439.6	439.6	439.3	439.3
32.5°	403.9	401.9	399.7	397.7	396.9	395.9	395.4	394.7	393.4	392.7	392.9
35°	356.6	352.0	349.3	346.8	344.8	343.3	342.5	341.8	341.5	340.5	339.5
37.5°	297.4	294.1	292.1	290.6	288.9	287.4	287.6	287.9	288.6	288.1	288.4
40°	234.7	233.9	234.7	232.9	232.4	232.9	234.2	236.0	237.0	238.0	239.7
42.5°	178.5	179.8	181.5	181.5	182.3	183.3	184.8	187.6	189.1	190.8	192.8
45°	134.4	135.9	138.2	138.9	139.4	140.7	142.4	144.7	145.7	147.2	148.9
47.5°	103.6	104.6	105.8	107.1	108.3	108.8	110.6	110.6	111.8	112.8	113.3
50°	80.7	81.7	82.7	83.5	84.0	84.8	85.3	86.0	86.3	86.8	87.0
52.5°	63.2	64.4	64.4	64.9	65.7	66.4	66.2	66.4	66.7	66.7	67.4
55°	49.4	49.4	50.1	50.1	50.7	50.4	50.7	50.7	50.7	50.7	50.9
57.5°	36.9	37.1	37.9	37.4	37.1	37.6	37.1	37.6	37.4	37.9	37.1
60°	28.3	28.3	28.6	28.6	28.8	28.8	28.8	28.6	28.6	28.3	28.3
62.5°	21.3	21.6	21.8	21.6	21.6	21.6	21.3	21.3	21.1	20.8	20.8
65°	14.3	14.0	14.5	14.0	14.3	14.3	14.0	14.3	13.5	13.8	13.5
67.5°	10.3	10.0	9.8	10.0	9.8	9.5	9.5	9.8	10.0	9.3	9.3
70°	6.8	7.0	6.8	7.0	7.3	7.3	7.0	6.8	7.0	6.5	6.8
72.5°	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.0	4.0	3.8
75°	2.0	2.8	2.3	2.0	2.8	2.8	2.5	2.5	2.3	2.3	2.3
77.5°	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.5	1.2
80°	1.0	1.0	1.0	0.8	1.0	1.0	1.2	1.0	1.0	0.8	1.2
82.5°	0.5	0.5	0.5	0.0	0.2	0.5	0.5	0.2	0.5	0.5	0.2
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°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	519.3	519.0	519.3	519.5	519.3	519.0	519.3	519.5	518.5	518.3	518.8
5°	530.3	530.3	530.8	531.1	530.8	530.3	530.3	529.3	528.6	527.8	527.6
7.5°	539.9	540.4	540.9	541.1	540.9	540.4	539.9	538.3	536.8	535.6	534.6
10°	545.6	546.4	547.4	547.9	547.4	546.4	545.6	543.9	541.9	539.9	538.3
12.5°	548.1	548.9	550.1	549.9	550.1	548.9	548.1	545.6	543.4	540.6	538.3
15°	546.4	547.4	548.6	549.1	548.6	547.4	546.4	543.9	541.9	538.9	536.6
17.5°	540.9	542.4	543.1	543.9	543.1	542.4	540.9	538.9	536.1	533.6	531.3
20°	533.3	534.3	535.3	535.6	535.3	534.3	533.3	531.1	526.8	526.3	524.6
22.5°	522.6	523.3	525.6	524.8	525.6	523.3	522.6	520.5	519.0	516.3	514.5
25°	507.0	507.8	508.0	508.3	508.0	507.8	507.0	505.2	503.7	501.7	500.7
27.5°	480.2	480.2	480.7	480.9	480.7	480.2	480.2	478.9	477.9	476.9	475.9
30°	439.6	439.6	439.6	440.8	439.6	439.6	439.6	439.3	439.3	439.6	439.6
32.5°	392.7	392.2	391.7	392.2	391.7	392.2	392.7	392.9	392.7	393.4	394.7
35°	339.5	339.3	340.0	339.0	340.0	339.3	339.5	339.5	340.5	341.5	341.8
37.5°	288.6	288.1	289.1	288.1	289.1	288.1	288.6	288.4	288.1	288.6	287.9
40°	240.2	240.7	240.7	242.7	240.7	240.7	240.2	239.7	238.0	237.0	236.0
42.5°	193.8	195.3	194.8	196.3	194.8	195.3	193.8	192.8	190.8	189.1	187.6
45°	149.9	151.0	151.0	151.4	151.0	151.0	149.9	148.9	147.2	145.7	144.7
47.5°	115.1	115.1	115.1	115.3	115.1	115.1	115.1	113.3	112.8	111.8	110.6
50°	87.5	87.8	88.0	88.3	88.0	87.8	87.5	87.0	86.8	86.3	86.0
52.5°	67.2	67.4	67.0	67.4	67.0	67.4	67.2	67.4	66.7	66.7	66.4
55°	50.9	50.7	50.9	51.2	50.9	50.7	50.9	50.9	50.7	50.7	50.7
57.5°	37.4	36.9	36.9	36.9	36.9	36.9	37.4	37.1	37.9	37.4	37.6
60°	27.8	28.1	28.1	28.3	28.1	28.1	27.8	28.3	28.3	28.6	28.6
62.5°	20.6	21.3	20.8	21.3	20.8	21.3	20.6	20.8	20.8	21.1	21.3
65°	13.3	13.3	13.3	13.5	13.3	13.3	13.3	13.5	13.8	13.5	14.3
67.5°	9.0	9.3	9.8	9.5	9.8	9.3	9.0	9.3	9.3	10.0	9.8
70°	7.3	6.5	6.5	7.3	6.5	6.5	7.3	6.8	6.5	7.0	6.8
72.5°	4.3	3.8	4.3	4.3	4.3	3.8	4.3	3.8	4.0	4.0	4.5
75°	2.3	2.0	1.8	2.5	1.8	2.0	2.3	2.3	2.3	2.3	2.5
77.5°	1.5	1.2	1.8	1.8	1.8	1.2	1.5	1.2	1.5	1.2	1.5
80°	0.8	1.0	0.8	1.2	0.8	1.0	0.8	1.2	0.8	1.0	1.0
82.5°	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.2
85°	0.0	0.5	0.2	0.2	0.2	0.5	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.2	0.0	0.0	0.2	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: P245904

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	518.8	518.0	518.3	516.8	516.8	516.3	516.5	515.3	514.8	514.3	515.0
5°	526.3	525.1	524.1	521.8	520.5	519.0	518.3	516.3	514.5	513.0	512.8
7.5°	532.3	529.6	527.8	524.8	522.6	520.8	518.3	515.5	513.3	511.3	509.8
10°	534.8	532.1	529.3	525.6	523.0	519.8	517.3	513.8	510.8	508.0	506.2
12.5°	535.1	531.6	529.1	524.8	521.5	518.0	515.3	511.3	507.8	505.0	502.2
15°	532.8	529.6	526.6	522.0	518.8	515.5	512.3	508.0	504.8	501.5	499.5
17.5°	527.8	524.8	521.3	517.0	514.0	511.0	507.5	504.0	500.2	496.7	494.2
20°	521.3	518.0	515.0	510.8	508.3	505.0	501.7	498.0	495.0	491.5	488.7
22.5°	511.5	508.5	505.8	503.2	499.2	496.7	494.5	490.2	487.2	483.9	480.9
25°	497.5	494.5	492.2	489.2	487.4	484.7	482.4	478.7	475.9	472.9	470.4
27.5°	474.4	472.7	471.4	469.6	468.1	466.9	465.6	462.6	460.6	457.9	455.4
30°	439.8	439.6	438.8	438.0	439.0	439.0	439.0	438.6	436.8	434.8	433.0
32.5°	395.4	395.9	396.9	397.7	399.7	401.9	403.9	404.9	404.9	403.7	402.9
35°	342.5	343.3	344.8	346.8	349.3	352.0	356.6	357.6	358.3	358.3	357.3
37.5°	287.6	287.4	288.9	290.6	292.1	294.1	297.4	298.1	299.4	298.9	297.9
40°	234.2	232.9	232.4	232.9	234.7	233.9	234.7	234.2	234.2	232.4	232.4
42.5°	184.8	183.3	182.3	181.5	181.5	179.8	178.5	177.3	176.5	175.3	175.0
45°	142.4	140.7	139.4	138.9	138.2	135.9	134.4	132.9	131.1	130.6	130.9
47.5°	110.6	108.8	108.3	107.1	105.8	104.6	103.6	101.8	101.5	100.5	101.5
50°	85.3	84.8	84.0	83.5	82.7	81.7	80.7	79.7	79.2	79.2	79.5
52.5°	66.2	66.4	65.7	64.9	64.4	64.4	63.2	62.9	62.9	61.9	62.9
55°	50.7	50.4	50.7	50.1	50.1	49.4	49.4	48.6	48.6	47.9	48.4
57.5°	37.1	37.6	37.1	37.4	37.9	37.1	36.9	36.1	36.6	36.1	36.4
60°	28.8	28.8	28.8	28.6	28.6	28.3	28.3	28.1	28.1	27.6	28.1
62.5°	21.3	21.6	21.6	21.6	21.8	21.6	21.3	21.6	21.3	21.3	21.6
65°	14.0	14.3	14.3	14.0	14.5	14.0	14.3	14.5	14.8	14.5	14.8
67.5°	9.5	9.5	9.8	10.0	9.8	10.0	10.3	10.0	10.3	10.8	10.3
70°	7.0	7.3	7.3	7.0	6.8	7.0	6.8	7.5	7.5	7.5	8.0
72.5°	4.5	4.5	4.3	4.3	4.3	4.3	4.3	5.0	4.5	4.3	4.8
75°	2.5	2.8	2.8	2.0	2.3	2.8	2.0	2.3	3.0	2.5	3.0
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.0	1.8	1.8	1.8	2.0
80°	1.2	1.0	1.0	0.8	1.0	1.0	1.0	1.5	1.2	1.2	1.5
82.5°	0.5	0.5	0.2	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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: P245904

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	513.0	513.0	512.8	512.3	511.3	511.3	511.0	510.3	509.8	509.5	509.5
5°	510.5	509.5	508.5	505.8	505.8	505.2	503.7	502.7	502.2	501.0	500.5
7.5°	508.3	505.2	503.5	501.7	499.5	498.5	496.7	496.0	494.2	493.0	492.2
10°	502.7	500.7	498.5	495.7	494.0	492.0	490.0	488.5	486.2	484.9	483.9
12.5°	499.0	496.0	494.0	491.0	487.9	486.2	483.4	481.7	479.4	476.9	475.4
15°	495.5	492.2	489.5	486.2	482.9	480.9	477.7	475.7	472.4	469.9	468.1
17.5°	490.2	487.4	484.4	480.4	477.4	474.9	471.4	468.9	465.9	462.6	460.9
20°	484.7	481.4	478.4	474.4	471.4	468.4	464.9	462.1	458.6	455.6	453.6
22.5°	477.4	473.7	471.1	467.1	463.6	460.4	457.1	453.8	450.6	448.1	445.8
25°	466.9	462.9	460.1	456.9	453.6	451.1	447.1	445.1	441.8	439.6	437.3
27.5°	451.8	448.8	446.3	443.1	440.3	438.3	435.3	433.3	430.5	428.5	426.8
30°	429.8	427.3	425.0	421.8	419.7	418.0	415.2	413.5	411.5	409.2	408.7
32.5°	400.2	398.2	395.9	393.7	392.2	391.2	388.9	387.9	385.9	384.6	383.4
35°	355.6	353.8	352.5	351.5	351.0	351.3	350.8	351.8	352.3	352.0	352.3
37.5°	297.1	296.1	296.6	297.4	299.9	303.2	306.2	310.7	313.7	316.7	319.5
40°	231.9	232.7	234.7	239.2	245.7	253.0	259.8	268.3	276.8	282.8	288.4
42.5°	175.0	177.3	182.3	188.8	198.6	209.4	219.9	232.4	242.7	252.7	259.8
45°	131.6	134.6	141.2	150.2	161.0	173.5	186.8	200.8	213.1	223.4	231.2
47.5°	102.6	105.3	111.8	121.4	134.6	147.7	161.5	176.0	188.8	198.8	205.6
50°	81.0	84.5	90.3	100.3	113.6	127.4	141.7	156.0	168.0	176.5	182.5
52.5°	63.7	67.0	72.5	83.0	96.5	110.3	123.6	137.7	148.2	156.5	160.5
55°	49.4	52.4	58.2	67.0	79.7	93.3	106.6	118.6	128.4	134.4	138.2
57.5°	37.6	39.9	43.9	52.7	64.2	76.7	88.0	100.1	107.6	111.8	114.3
60°	28.6	30.3	34.6	41.4	51.9	62.7	72.2	81.2	87.3	90.8	93.3
62.5°	21.6	23.6	26.6	32.3	40.4	49.1	57.2	63.9	69.0	71.2	73.0
65°	14.8	16.3	18.6	23.1	29.8	36.1	42.4	47.4	50.7	53.2	54.2
67.5°	11.0	12.0	13.3	16.8	21.6	26.6	30.8	34.3	37.9	38.9	40.6
70°	8.3	9.0	10.3	12.8	15.5	19.1	22.6	24.6	27.1	28.8	29.3
72.5°	5.3	5.5	6.8	8.3	10.5	12.8	15.0	16.8	18.3	19.3	19.8
75°	3.0	4.5	4.5	6.0	7.5	8.5	10.0	11.3	12.0	12.8	12.8
77.5°	2.0	2.8	3.0	3.8	4.5	5.8	7.0	7.8	8.5	8.8	8.8
80°	1.8	2.0	2.0	2.8	3.3	4.3	5.0	5.3	5.8	6.0	6.5
82.5°	0.8	1.0	1.2	2.0	2.3	2.3	3.0	3.3	3.8	4.0	4.0
85°	0.2	0.5	0.5	0.8	1.2	1.5	1.8	2.0	2.3	2.3	2.5
87.5°	0.2	0.2	0.0	0.2	0.5	0.5	1.0	1.0	1.0	1.5	1.5
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: P245904

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	509.0	509.3	508.3	508.0	507.5	507.8	508.3
5°	499.7	500.0	499.0	498.0	498.0	497.7	498.0
7.5°	491.0	491.2	489.7	489.2	488.2	488.5	488.5
10°	482.2	482.2	479.9	479.7	478.9	478.7	478.7
12.5°	473.7	472.9	471.1	470.1	470.7	469.1	469.1
15°	466.1	464.9	462.6	461.9	460.6	460.1	460.1
17.5°	458.4	457.4	455.4	453.8	452.3	452.1	452.3
20°	450.8	449.8	447.3	446.3	445.1	445.1	444.6
22.5°	443.3	442.3	440.1	439.3	437.6	437.6	437.8
25°	435.5	434.8	432.3	431.8	431.5	430.5	431.0
27.5°	425.0	424.5	422.5	421.8	420.7	420.5	421.0
30°	405.7	404.9	403.5	402.7	400.9	401.2	401.7
32.5°	381.6	380.6	378.6	377.9	376.4	375.9	376.1
35°	351.5	350.8	349.0	349.0	347.5	347.0	347.5
37.5°	321.0	321.7	321.0	321.7	321.0	320.7	321.0
40°	292.1	294.9	295.4	298.1	297.1	298.6	298.4
42.5°	264.5	269.0	270.8	273.1	272.6	273.6	274.3
45°	236.7	240.5	242.2	243.7	244.0	244.5	244.7
47.5°	210.4	213.4	213.6	215.4	215.1	215.1	215.9
50°	185.8	187.8	188.3	189.6	188.6	188.1	188.3
52.5°	163.0	165.0	164.5	165.0	163.7	163.2	163.5
55°	139.7	140.7	140.7	140.7	139.2	139.2	139.2
57.5°	115.8	116.1	115.6	115.8	115.6	114.1	113.8
60°	94.0	94.0	93.8	94.0	93.3	92.5	92.5
62.5°	73.5	74.0	75.0	74.0	73.5	74.0	73.2
65°	54.9	55.9	55.7	56.2	55.9	55.9	55.4
67.5°	41.4	41.6	41.9	42.1	42.1	42.1	42.1
70°	30.3	31.1	30.8	30.8	30.8	30.8	32.3
72.5°	20.3	21.3	21.1	21.6	21.6	22.1	21.6
75°	13.8	14.8	14.3	15.0	14.8	14.3	15.5
77.5°	9.3	9.8	10.0	10.3	10.0	9.8	10.0
80°	6.5	7.0	6.8	7.0	7.0	7.0	7.3
82.5°	4.0	4.8	4.5	4.8	4.5	4.8	4.8
85°	2.8	3.0	2.5	3.0	2.8	2.8	3.3
87.5°	1.8	1.5	1.5	1.8	1.5	1.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)