

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: P246018

Luminaire Tested: **LD8B10D010 ER8B109727 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246018  
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 ER8B109727 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 785.0 lumens  
Efficiency: N/A  
Efficacy: 77.0 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

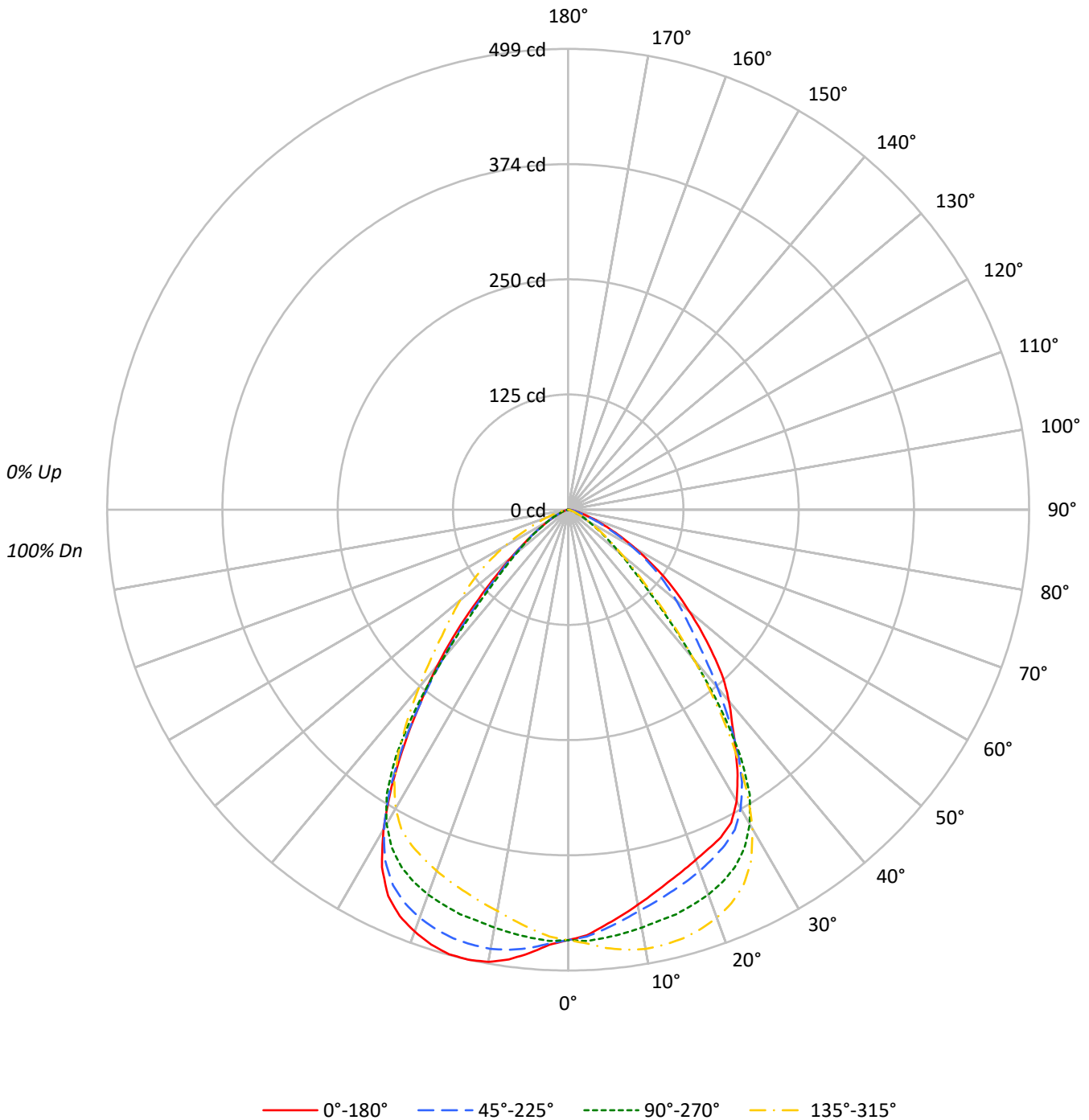
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	98	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°	14370	14370	14370	14370
5°	13988	14403	14920	14403
10°	13602	14385	15568	14385
15°	13332	14471	15908	14471
20°	13241	14554	15952	14554
25°	13310	14525	15695	14525
30°	12979	13993	14243	13993
35°	11873	12208	11583	12208
40°	10901	8490	8868	8490
45°	9686	5181	5992	5181
50°	8199	3459	3843	3459
55°	6790	2360	2495	2360
60°	5181	1573	1585	1573
65°	3670	978	897	978
70°	2651	658	595	658
75°	1680	322	274	322
80°	1172	249	195	249
85°	1061	0	71	0



TEST NUMBER: P246018

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	5.7
10°-20°	128.5	16.4
20°-30°	194.5	24.8
30°-40°	194.9	24.8
40°-50°	122.4	15.6
50°-60°	65.2	8.3
60°-70°	26.8	3.4
70°-80°	7.1	0.9
80°-90°	1.2	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°	367.3	46.8
0°-40°	562.2	71.6
0°-60°	749.9	95.5
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	466	466	466	466	466	
5°	452	465	482	465	452	43
15°	418	453	498	453	418	118
25°	391	427	461	427	391	179
35°	315	324	308	324	315	198
45°	222	119	137	119	222	171
55°	126	44	46	44	126	113
65°	50	13	12	13	50	52
75°	14	3	2	3	14	16
85°	3	0	0	0	3	3
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°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	461.3	460.8	460.6	461.0	461.3	462.2	461.9	462.4	462.4	462.6	463.1
5°	451.9	451.7	451.9	451.9	452.8	453.7	453.5	454.2	454.6	455.8	456.2
7.5°	443.3	443.3	443.0	444.0	444.4	445.8	445.5	446.7	447.4	448.5	450.1
10°	434.4	434.4	434.6	435.3	435.5	437.6	437.6	439.2	440.1	441.2	443.3
12.5°	425.8	425.8	427.1	426.7	427.6	429.2	429.8	431.4	432.8	435.1	437.1
15°	417.6	417.6	418.0	419.2	419.8	421.9	423.0	424.8	426.4	428.7	431.7
17.5°	410.5	410.3	410.5	411.9	413.2	415.1	416.0	418.2	419.8	422.8	425.5
20°	403.5	403.9	403.9	405.0	406.0	408.2	409.1	411.6	413.5	416.2	419.4
22.5°	397.3	397.1	397.1	398.7	399.4	401.4	402.3	404.6	406.6	408.9	411.9
25°	391.2	390.7	391.6	391.8	392.3	394.6	395.3	396.9	398.9	401.0	403.9
27.5°	382.1	381.6	381.8	382.7	383.4	385.2	385.7	387.3	388.9	390.7	393.2
30°	364.5	364.1	363.9	365.5	366.1	367.5	368.2	370.9	371.4	373.4	375.2
32.5°	341.3	341.1	341.6	342.9	343.6	345.4	346.3	347.9	349.1	350.2	352.0
35°	315.4	314.9	315.4	316.8	316.8	318.4	319.0	319.7	319.5	319.7	319.3
37.5°	291.3	291.0	291.3	291.9	291.3	291.9	291.3	289.9	287.4	284.7	281.9
40°	270.8	271.0	269.7	270.6	268.1	267.6	265.1	261.7	256.7	251.2	243.5
42.5°	248.9	248.3	247.4	247.8	245.8	244.2	240.1	235.7	229.4	220.3	210.9
45°	222.1	221.9	221.4	221.2	219.8	218.2	214.8	209.8	202.8	193.4	182.3
47.5°	195.9	195.2	195.2	195.5	193.9	193.6	190.9	186.6	180.5	171.3	159.7
50°	170.9	170.7	171.1	172.0	170.9	170.4	168.6	165.7	160.2	152.5	141.5
52.5°	148.4	148.1	148.6	149.7	149.3	149.7	147.9	145.6	142.0	134.5	124.9
55°	126.3	126.3	126.3	127.7	127.7	127.7	126.7	125.4	122.0	116.5	107.6
57.5°	103.3	103.5	104.9	105.1	104.9	105.4	105.1	103.8	101.5	97.6	90.8
60°	84.0	84.0	84.7	85.3	85.1	85.3	85.3	84.7	82.4	79.2	73.7
62.5°	66.4	67.1	66.7	67.1	68.0	67.1	66.7	66.2	64.6	62.6	58.0
65°	50.3	50.7	50.7	51.0	50.5	50.7	49.8	49.2	48.2	46.0	43.0
67.5°	38.2	38.2	38.2	38.2	38.0	37.8	37.5	36.9	35.3	34.4	31.2
70°	29.4	28.0	28.0	28.0	28.0	28.2	27.5	26.6	26.2	24.6	22.3
72.5°	19.6	20.0	19.6	19.6	19.1	19.3	18.4	18.0	17.5	16.6	15.2
75°	14.1	13.0	13.4	13.7	13.0	13.4	12.5	11.6	11.6	10.9	10.2
77.5°	9.1	8.9	9.1	9.3	9.1	8.9	8.4	8.0	8.0	7.7	7.1
80°	6.6	6.4	6.4	6.4	6.1	6.4	5.9	5.9	5.5	5.2	4.8
82.5°	4.3	4.3	4.1	4.3	4.1	4.3	3.6	3.6	3.6	3.4	3.0
85°	3.0	2.5	2.5	2.7	2.3	2.7	2.5	2.3	2.1	2.1	1.8
87.5°	1.4	1.6	1.4	1.6	1.4	1.4	1.6	1.4	1.4	0.9	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



TEST NUMBER: P246018

CATALOG NUMBER: LD8B10D010 ER8B109727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	463.8	464.0	464.0	464.9	465.3	465.6	465.6	467.4	466.7	467.2	467.6
5°	457.2	458.5	459.0	459.0	461.5	462.4	463.3	465.3	465.6	466.9	468.5
7.5°	450.8	452.4	453.3	455.3	456.9	458.5	461.3	462.6	464.0	465.8	467.8
10°	444.6	446.5	448.3	449.9	452.4	454.4	456.2	459.4	461.0	463.5	466.3
12.5°	438.7	441.2	442.8	445.5	448.3	450.1	452.8	455.8	458.3	460.8	464.0
15°	433.5	436.5	438.3	441.2	444.2	446.7	449.6	453.3	455.1	458.1	461.0
17.5°	427.8	431.0	433.3	436.0	439.6	442.4	444.9	448.5	450.8	454.0	457.4
20°	421.9	425.1	427.8	430.5	434.2	436.9	439.9	443.5	446.0	449.2	451.9
22.5°	414.8	417.8	420.7	423.9	427.6	429.8	433.3	436.5	439.2	442.1	444.9
25°	405.7	409.4	411.6	414.6	417.6	420.1	423.7	426.9	429.2	431.9	434.4
27.5°	395.0	397.8	399.6	402.1	405.0	407.3	410.0	413.2	415.5	418.0	419.8
30°	376.8	379.3	380.9	382.7	385.7	387.8	390.0	393.0	394.6	396.4	398.0
32.5°	352.9	355.0	355.9	357.3	359.3	361.4	363.2	365.7	366.4	367.5	367.5
35°	318.4	318.8	318.6	319.0	319.9	321.1	322.7	324.3	325.2	325.2	324.5
37.5°	277.8	275.1	272.2	269.9	269.2	268.7	269.7	270.3	271.2	271.7	270.6
40°	235.7	229.6	223.0	217.1	213.0	211.2	210.5	210.9	210.9	212.5	212.5
42.5°	199.6	190.0	180.2	171.3	165.4	160.9	158.8	158.8	159.1	160.2	160.9
45°	169.5	157.5	146.1	136.3	128.1	122.2	119.5	118.8	118.6	119.0	120.6
47.5°	146.5	134.0	122.2	110.1	101.5	95.6	93.1	92.2	91.2	92.2	92.4
50°	128.6	115.6	103.1	91.0	81.9	76.7	73.5	72.1	71.9	71.9	72.4
52.5°	112.2	100.1	87.6	75.3	65.8	60.8	57.8	57.1	56.2	57.1	57.1
55°	96.7	84.7	72.4	60.8	52.8	47.6	44.8	43.9	43.5	44.1	44.1
57.5°	79.9	69.6	58.3	47.8	39.8	36.2	34.1	33.0	32.8	33.2	32.8
60°	65.5	56.9	47.1	37.5	31.4	27.5	25.9	25.5	25.0	25.5	25.5
62.5°	51.9	44.6	36.6	29.4	24.1	21.4	19.6	19.6	19.3	19.3	19.6
65°	38.5	32.8	27.1	20.9	16.8	14.8	13.4	13.4	13.2	13.4	13.2
67.5°	28.0	24.1	19.6	15.2	12.1	10.9	10.0	9.3	9.8	9.3	9.1
70°	20.5	17.3	14.1	11.6	9.3	8.2	7.5	7.3	6.8	6.8	6.8
72.5°	13.7	11.6	9.6	7.5	6.1	5.0	4.8	4.3	3.9	4.1	4.6
75°	9.1	7.7	6.8	5.5	4.1	4.1	2.7	2.7	2.3	2.7	2.1
77.5°	6.4	5.2	4.1	3.4	2.7	2.5	1.8	1.8	1.6	1.6	1.6
80°	4.6	3.9	3.0	2.5	1.8	1.8	1.6	1.4	1.1	1.1	1.4
82.5°	2.7	2.1	2.1	1.8	1.1	0.9	0.7	0.9	0.5	0.5	0.5
85°	1.6	1.4	1.1	0.7	0.5	0.5	0.2	0.0	0.2	0.2	0.0
87.5°	0.9	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°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	468.8	468.5	469.0	469.0	470.4	470.1	470.8	470.8	470.4	470.6	471.5
5°	470.4	471.0	472.4	473.5	475.6	476.5	477.6	478.8	479.0	479.7	480.4
7.5°	470.4	472.6	474.2	476.3	479.0	480.6	483.1	485.1	486.1	487.2	488.6
10°	469.4	471.7	474.7	477.0	480.4	482.9	485.4	488.6	489.9	491.7	493.6
12.5°	467.6	470.1	473.3	476.3	480.1	482.4	485.6	488.6	490.6	493.1	495.2
15°	464.9	467.8	470.8	473.8	477.9	480.6	483.6	487.0	489.0	491.7	493.6
17.5°	460.6	463.8	466.5	469.2	473.1	476.3	479.0	482.2	484.2	486.5	489.0
20°	455.3	458.3	461.3	463.5	467.4	470.1	473.1	476.0	477.6	478.1	482.0
22.5°	448.7	450.8	453.1	456.7	459.0	461.5	464.2	466.9	468.5	471.0	472.4
25°	437.8	439.9	442.4	444.0	446.7	448.7	451.5	454.4	455.3	457.2	458.5
27.5°	422.6	423.7	424.8	426.2	427.8	428.9	430.5	431.9	432.8	433.7	434.6
30°	398.4	398.4	398.4	397.5	398.2	398.9	399.1	398.9	398.9	398.7	398.7
32.5°	366.6	364.8	362.7	360.9	360.2	359.3	358.9	358.2	357.0	356.4	356.6
35°	323.6	319.5	317.0	314.7	312.9	311.5	310.8	310.2	309.9	309.0	308.1
37.5°	269.9	266.9	265.1	263.7	262.1	260.8	261.0	261.2	261.9	261.5	261.7
40°	213.0	212.3	213.0	211.4	210.9	211.4	212.5	214.1	215.0	215.9	217.5
42.5°	162.0	163.2	164.8	164.8	165.4	166.3	167.7	170.2	171.6	173.2	175.0
45°	122.0	123.3	125.4	126.1	126.5	127.7	129.3	131.3	132.2	133.6	135.2
47.5°	94.0	94.9	96.0	97.2	98.3	98.8	100.4	100.4	101.5	102.4	102.9
50°	73.3	74.2	75.1	75.8	76.2	76.9	77.4	78.0	78.3	78.7	79.0
52.5°	57.3	58.5	58.5	58.9	59.6	60.3	60.1	60.3	60.5	60.5	61.2
55°	44.8	44.8	45.5	45.5	46.0	45.7	46.0	46.0	46.0	46.0	46.2
57.5°	33.4	33.7	34.4	33.9	33.7	34.1	33.7	34.1	33.9	34.4	33.7
60°	25.7	25.7	25.9	25.9	26.2	26.2	26.2	25.9	25.9	25.7	25.7
62.5°	19.3	19.6	19.8	19.6	19.6	19.6	19.3	19.3	19.1	18.9	18.9
65°	13.0	12.7	13.2	12.7	13.0	13.0	12.7	13.0	12.3	12.5	12.3
67.5°	9.3	9.1	8.9	9.1	8.9	8.6	8.6	8.9	9.1	8.4	8.4
70°	6.1	6.4	6.1	6.4	6.6	6.6	6.4	6.1	6.4	5.9	6.1
72.5°	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	3.6	3.6	3.4
75°	1.8	2.5	2.1	1.8	2.5	2.5	2.3	2.3	2.1	2.1	2.1
77.5°	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	1.4	1.1
80°	0.9	0.9	0.9	0.7	0.9	0.9	1.1	0.9	0.9	0.7	1.1
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





TEST NUMBER: P246018

CATALOG NUMBER: LD8B10D010 ER8B109727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	471.3	471.0	471.3	471.5	471.3	471.0	471.3	471.5	470.6	470.4	470.8
5°	481.3	481.3	481.7	482.0	481.7	481.3	481.3	480.4	479.7	479.0	478.8
7.5°	489.9	490.4	490.8	491.1	490.8	490.4	489.9	488.6	487.2	486.1	485.1
10°	495.2	495.8	496.8	497.2	496.8	495.8	495.2	493.6	491.7	489.9	488.6
12.5°	497.4	498.1	499.3	499.0	499.3	498.1	497.4	495.2	493.1	490.6	488.6
15°	495.8	496.8	497.9	498.3	497.9	496.8	495.8	493.6	491.7	489.0	487.0
17.5°	490.8	492.2	492.9	493.6	492.9	492.2	490.8	489.0	486.5	484.2	482.2
20°	484.0	484.9	485.8	486.1	485.8	484.9	484.0	482.0	478.1	477.6	476.0
22.5°	474.2	474.9	477.0	476.3	477.0	474.9	474.2	472.4	471.0	468.5	466.9
25°	460.1	460.8	461.0	461.3	461.0	460.8	460.1	458.5	457.2	455.3	454.4
27.5°	435.8	435.8	436.2	436.5	436.2	435.8	435.8	434.6	433.7	432.8	431.9
30°	398.9	398.9	398.9	400.0	398.9	398.9	398.9	398.7	398.7	398.9	398.9
32.5°	356.4	355.9	355.4	355.9	355.4	355.9	356.4	356.6	356.4	357.0	358.2
35°	308.1	307.9	308.6	307.7	308.6	307.9	308.1	308.1	309.0	309.9	310.2
37.5°	261.9	261.5	262.4	261.5	262.4	261.5	261.9	261.7	261.5	261.9	261.2
40°	218.0	218.5	218.5	220.3	218.5	218.5	218.0	217.5	215.9	215.0	214.1
42.5°	175.9	177.3	176.8	178.2	176.8	177.3	175.9	175.0	173.2	171.6	170.2
45°	136.1	137.0	137.0	137.4	137.0	137.0	136.1	135.2	133.6	132.2	131.3
47.5°	104.4	104.4	104.4	104.7	104.4	104.4	104.4	102.9	102.4	101.5	100.4
50°	79.4	79.6	79.9	80.1	79.9	79.6	79.4	79.0	78.7	78.3	78.0
52.5°	61.0	61.2	60.8	61.2	60.8	61.2	61.0	61.2	60.5	60.5	60.3
55°	46.2	46.0	46.2	46.4	46.2	46.0	46.2	46.2	46.0	46.0	46.0
57.5°	33.9	33.4	33.4	33.4	33.4	33.4	33.9	33.7	34.4	33.9	34.1
60°	25.3	25.5	25.5	25.7	25.5	25.5	25.3	25.7	25.7	25.9	25.9
62.5°	18.7	19.3	18.9	19.3	18.9	19.3	18.7	18.9	18.9	19.1	19.3
65°	12.1	12.1	12.1	12.3	12.1	12.1	12.1	12.3	12.5	12.3	13.0
67.5°	8.2	8.4	8.9	8.6	8.9	8.4	8.2	8.4	8.4	9.1	8.9
70°	6.6	5.9	5.9	6.6	5.9	5.9	6.6	6.1	5.9	6.4	6.1
72.5°	3.9	3.4	3.9	3.9	3.9	3.4	3.9	3.4	3.6	3.6	4.1
75°	2.1	1.8	1.6	2.3	1.6	1.8	2.1	2.1	2.1	2.1	2.3
77.5°	1.4	1.1	1.6	1.6	1.6	1.1	1.4	1.1	1.4	1.1	1.4
80°	0.7	0.9	0.7	1.1	0.7	0.9	0.7	1.1	0.7	0.9	0.9
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: P246018

CATALOG NUMBER: LD8B10D010 ER8B109727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	470.8	470.1	470.4	469.0	469.0	468.5	468.8	467.6	467.2	466.7	467.4
5°	477.6	476.5	475.6	473.5	472.4	471.0	470.4	468.5	466.9	465.6	465.3
7.5°	483.1	480.6	479.0	476.3	474.2	472.6	470.4	467.8	465.8	464.0	462.6
10°	485.4	482.9	480.4	477.0	474.7	471.7	469.4	466.3	463.5	461.0	459.4
12.5°	485.6	482.4	480.1	476.3	473.3	470.1	467.6	464.0	460.8	458.3	455.8
15°	483.6	480.6	477.9	473.8	470.8	467.8	464.9	461.0	458.1	455.1	453.3
17.5°	479.0	476.3	473.1	469.2	466.5	463.8	460.6	457.4	454.0	450.8	448.5
20°	473.1	470.1	467.4	463.5	461.3	458.3	455.3	451.9	449.2	446.0	443.5
22.5°	464.2	461.5	459.0	456.7	453.1	450.8	448.7	444.9	442.1	439.2	436.5
25°	451.5	448.7	446.7	444.0	442.4	439.9	437.8	434.4	431.9	429.2	426.9
27.5°	430.5	428.9	427.8	426.2	424.8	423.7	422.6	419.8	418.0	415.5	413.2
30°	399.1	398.9	398.2	397.5	398.4	398.4	398.4	398.0	396.4	394.6	393.0
32.5°	358.9	359.3	360.2	360.9	362.7	364.8	366.6	367.5	367.5	366.4	365.7
35°	310.8	311.5	312.9	314.7	317.0	319.5	323.6	324.5	325.2	325.2	324.3
37.5°	261.0	260.8	262.1	263.7	265.1	266.9	269.9	270.6	271.7	271.2	270.3
40°	212.5	211.4	210.9	211.4	213.0	212.3	213.0	212.5	212.5	210.9	210.9
42.5°	167.7	166.3	165.4	164.8	164.8	163.2	162.0	160.9	160.2	159.1	158.8
45°	129.3	127.7	126.5	126.1	125.4	123.3	122.0	120.6	119.0	118.6	118.8
47.5°	100.4	98.8	98.3	97.2	96.0	94.9	94.0	92.4	92.2	91.2	92.2
50°	77.4	76.9	76.2	75.8	75.1	74.2	73.3	72.4	71.9	71.9	72.1
52.5°	60.1	60.3	59.6	58.9	58.5	58.5	57.3	57.1	57.1	56.2	57.1
55°	46.0	45.7	46.0	45.5	45.5	44.8	44.8	44.1	44.1	43.5	43.9
57.5°	33.7	34.1	33.7	33.9	34.4	33.7	33.4	32.8	33.2	32.8	33.0
60°	26.2	26.2	26.2	25.9	25.9	25.7	25.7	25.5	25.5	25.0	25.5
62.5°	19.3	19.6	19.6	19.6	19.8	19.6	19.3	19.6	19.3	19.3	19.6
65°	12.7	13.0	13.0	12.7	13.2	12.7	13.0	13.2	13.4	13.2	13.4
67.5°	8.6	8.6	8.9	9.1	8.9	9.1	9.3	9.1	9.3	9.8	9.3
70°	6.4	6.6	6.6	6.4	6.1	6.4	6.1	6.8	6.8	6.8	7.3
72.5°	4.1	4.1	3.9	3.9	3.9	3.9	3.9	4.6	4.1	3.9	4.3
75°	2.3	2.5	2.5	1.8	2.1	2.5	1.8	2.1	2.7	2.3	2.7
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.6	1.6	1.6	1.8
80°	1.1	0.9	0.9	0.7	0.9	0.9	0.9	1.4	1.1	1.1	1.4
82.5°	0.5	0.5	0.2	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.9
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: P246018

CATALOG NUMBER: LD8B10D010 ER8B109727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	465.6	465.6	465.3	464.9	464.0	464.0	463.8	463.1	462.6	462.4	462.4
5°	463.3	462.4	461.5	459.0	459.0	458.5	457.2	456.2	455.8	454.6	454.2
7.5°	461.3	458.5	456.9	455.3	453.3	452.4	450.8	450.1	448.5	447.4	446.7
10°	456.2	454.4	452.4	449.9	448.3	446.5	444.6	443.3	441.2	440.1	439.2
12.5°	452.8	450.1	448.3	445.5	442.8	441.2	438.7	437.1	435.1	432.8	431.4
15°	449.6	446.7	444.2	441.2	438.3	436.5	433.5	431.7	428.7	426.4	424.8
17.5°	444.9	442.4	439.6	436.0	433.3	431.0	427.8	425.5	422.8	419.8	418.2
20°	439.9	436.9	434.2	430.5	427.8	425.1	421.9	419.4	416.2	413.5	411.6
22.5°	433.3	429.8	427.6	423.9	420.7	417.8	414.8	411.9	408.9	406.6	404.6
25°	423.7	420.1	417.6	414.6	411.6	409.4	405.7	403.9	401.0	398.9	396.9
27.5°	410.0	407.3	405.0	402.1	399.6	397.8	395.0	393.2	390.7	388.9	387.3
30°	390.0	387.8	385.7	382.7	380.9	379.3	376.8	375.2	373.4	371.4	370.9
32.5°	363.2	361.4	359.3	357.3	355.9	355.0	352.9	352.0	350.2	349.1	347.9
35°	322.7	321.1	319.9	319.0	318.6	318.8	318.4	319.3	319.7	319.5	319.7
37.5°	269.7	268.7	269.2	269.9	272.2	275.1	277.8	281.9	284.7	287.4	289.9
40°	210.5	211.2	213.0	217.1	223.0	229.6	235.7	243.5	251.2	256.7	261.7
42.5°	158.8	160.9	165.4	171.3	180.2	190.0	199.6	210.9	220.3	229.4	235.7
45°	119.5	122.2	128.1	136.3	146.1	157.5	169.5	182.3	193.4	202.8	209.8
47.5°	93.1	95.6	101.5	110.1	122.2	134.0	146.5	159.7	171.3	180.5	186.6
50°	73.5	76.7	81.9	91.0	103.1	115.6	128.6	141.5	152.5	160.2	165.7
52.5°	57.8	60.8	65.8	75.3	87.6	100.1	112.2	124.9	134.5	142.0	145.6
55°	44.8	47.6	52.8	60.8	72.4	84.7	96.7	107.6	116.5	122.0	125.4
57.5°	34.1	36.2	39.8	47.8	58.3	69.6	79.9	90.8	97.6	101.5	103.8
60°	25.9	27.5	31.4	37.5	47.1	56.9	65.5	73.7	79.2	82.4	84.7
62.5°	19.6	21.4	24.1	29.4	36.6	44.6	51.9	58.0	62.6	64.6	66.2
65°	13.4	14.8	16.8	20.9	27.1	32.8	38.5	43.0	46.0	48.2	49.2
67.5°	10.0	10.9	12.1	15.2	19.6	24.1	28.0	31.2	34.4	35.3	36.9
70°	7.5	8.2	9.3	11.6	14.1	17.3	20.5	22.3	24.6	26.2	26.6
72.5°	4.8	5.0	6.1	7.5	9.6	11.6	13.7	15.2	16.6	17.5	18.0
75°	2.7	4.1	4.1	5.5	6.8	7.7	9.1	10.2	10.9	11.6	11.6
77.5°	1.8	2.5	2.7	3.4	4.1	5.2	6.4	7.1	7.7	8.0	8.0
80°	1.6	1.8	1.8	2.5	3.0	3.9	4.6	4.8	5.2	5.5	5.9
82.5°	0.7	0.9	1.1	1.8	2.1	2.1	2.7	3.0	3.4	3.6	3.6
85°	0.2	0.5	0.5	0.7	1.1	1.4	1.6	1.8	2.1	2.1	2.3
87.5°	0.2	0.2	0.0	0.2	0.5	0.5	0.9	0.9	0.9	1.4	1.4
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: P246018

CATALOG NUMBER: LD8B10D010 ER8B109727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	461.9	462.2	461.3	461.0	460.6	460.8	461.3
5°	453.5	453.7	452.8	451.9	451.9	451.7	451.9
7.5°	445.5	445.8	444.4	444.0	443.0	443.3	443.3
10°	437.6	437.6	435.5	435.3	434.6	434.4	434.4
12.5°	429.8	429.2	427.6	426.7	427.1	425.8	425.8
15°	423.0	421.9	419.8	419.2	418.0	417.6	417.6
17.5°	416.0	415.1	413.2	411.9	410.5	410.3	410.5
20°	409.1	408.2	406.0	405.0	403.9	403.9	403.5
22.5°	402.3	401.4	399.4	398.7	397.1	397.1	397.3
25°	395.3	394.6	392.3	391.8	391.6	390.7	391.2
27.5°	385.7	385.2	383.4	382.7	381.8	381.6	382.1
30°	368.2	367.5	366.1	365.5	363.9	364.1	364.5
32.5°	346.3	345.4	343.6	342.9	341.6	341.1	341.3
35°	319.0	318.4	316.8	316.8	315.4	314.9	315.4
37.5°	291.3	291.9	291.3	291.9	291.3	291.0	291.3
40°	265.1	267.6	268.1	270.6	269.7	271.0	270.8
42.5°	240.1	244.2	245.8	247.8	247.4	248.3	248.9
45°	214.8	218.2	219.8	221.2	221.4	221.9	222.1
47.5°	190.9	193.6	193.9	195.5	195.2	195.2	195.9
50°	168.6	170.4	170.9	172.0	171.1	170.7	170.9
52.5°	147.9	149.7	149.3	149.7	148.6	148.1	148.4
55°	126.7	127.7	127.7	127.7	126.3	126.3	126.3
57.5°	105.1	105.4	104.9	105.1	104.9	103.5	103.3
60°	85.3	85.3	85.1	85.3	84.7	84.0	84.0
62.5°	66.7	67.1	68.0	67.1	66.7	67.1	66.4
65°	49.8	50.7	50.5	51.0	50.7	50.7	50.3
67.5°	37.5	37.8	38.0	38.2	38.2	38.2	38.2
70°	27.5	28.2	28.0	28.0	28.0	28.0	29.4
72.5°	18.4	19.3	19.1	19.6	19.6	20.0	19.6
75°	12.5	13.4	13.0	13.7	13.4	13.0	14.1
77.5°	8.4	8.9	9.1	9.3	9.1	8.9	9.1
80°	5.9	6.4	6.1	6.4	6.4	6.4	6.6
82.5°	3.6	4.3	4.1	4.3	4.1	4.3	4.3
85°	2.5	2.7	2.3	2.7	2.5	2.5	3.0
87.5°	1.6	1.4	1.4	1.6	1.4	1.6	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)