

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: P799354

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDDWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799354  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15D010 EU6159027 6LBMDDWLI  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

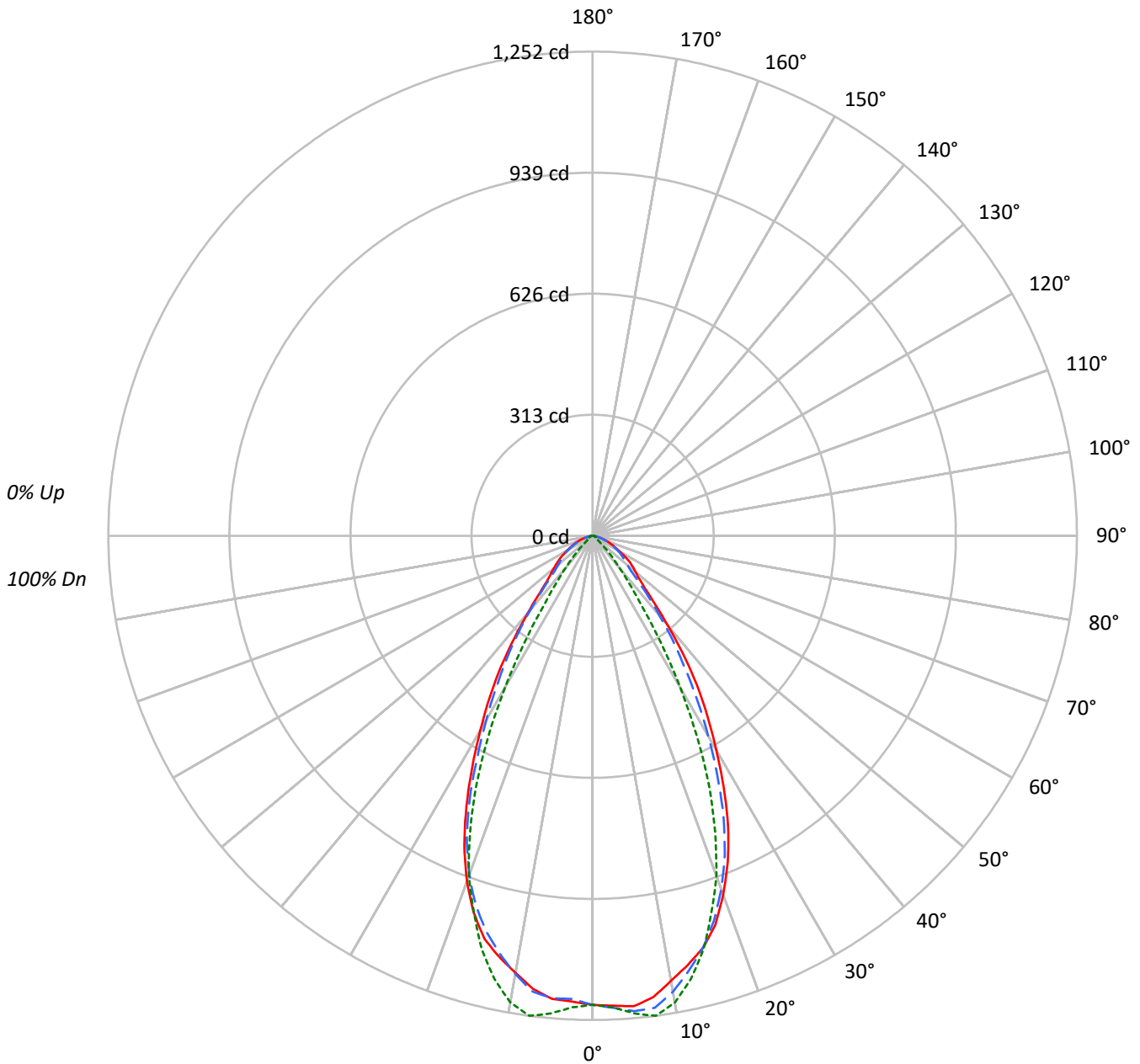
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1235.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 15.8  
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

TEST NUMBER: P799354

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	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	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	66502	66502	66502
5°	67197	68215	66146
10°	65023	68213	63888
15°	62577	62827	61249
20°	57598	54570	55433
25°	50126	43031	46690
30°	40424	28593	36677
35°	31340	14743	27546
40°	21505	7636	18549
45°	14730	3830	13009
50°	12264	1629	11155
55°	11029	1415	9969
60°	8727	1349	8322
65°	7199	1206	7121
70°	5834	1090	5834
75°	4321	1186	4575
80°	2526	979	2715
85°	1950	1195	1950



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.5	9.3
10°-20°	303.1	24.5
20°-30°	346.0	28.0
30°-40°	229.4	18.6
40°-50°	110.7	9.0
50°-60°	68.1	5.5
60°-70°	41.2	3.3
70°-80°	17.3	1.4
80°-90°	3.8	0.3
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°	764.5	61.9
0°-40°	993.9	80.5
0°-60°	1172.7	94.9
0°-90°	1235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1235.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1213	1213	1213	1213	1213	
5°	1221	1234	1240	1200	1202	115
15°	1103	1103	1107	1060	1079	307
25°	829	801	711	753	772	376
35°	468	413	220	385	412	290
45°	190	167	49	156	168	155
55°	115	94	15	94	104	101
65°	56	53	9	50	55	56
75°	20	20	6	19	22	22
85°	3	4	2	3	3	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1213.1	1213.1	1213.1	1213.1	1213.1	1213.1	1213.1	1213.1	1213.1
2.5°	1216.2	1218.0	1221.7	1222.4	1220.5	1208.8	1198.9	1202.6	1205.7
5°	1221.1	1224.8	1234.1	1242.7	1239.6	1219.9	1200.1	1199.5	1202.0
7.5°	1203.2	1211.9	1231.0	1252.6	1252.0	1218.0	1189.0	1181.6	1181.6
10°	1168.1	1176.1	1197.1	1226.1	1225.4	1182.9	1150.8	1147.1	1147.7
12.5°	1136.6	1140.3	1150.8	1173.6	1173.6	1131.6	1107.0	1110.7	1115.6
15°	1102.6	1105.1	1102.6	1110.1	1107.0	1072.4	1060.1	1071.8	1079.2
17.5°	1054.5	1055.8	1042.8	1032.9	1021.2	999.6	1002.7	1020.0	1021.8
20°	987.3	995.3	971.8	946.5	935.4	915.1	932.3	951.5	950.2
22.5°	913.2	922.5	892.2	850.3	827.4	819.4	850.3	867.6	866.9
25°	828.7	835.5	800.9	742.3	711.4	710.2	752.8	770.7	771.9
27.5°	733.7	736.1	697.3	620.7	582.5	591.7	645.4	670.1	673.2
30°	638.6	637.4	597.3	502.3	451.7	477.0	549.2	576.3	579.4
32.5°	551.6	547.9	502.3	388.7	328.3	365.9	460.9	489.3	494.2
35°	468.3	462.2	412.8	287.5	220.3	276.4	385.0	409.7	411.6
37.5°	381.3	378.2	339.4	215.3	153.6	209.8	314.1	332.0	330.1
40°	300.5	300.5	268.4	159.8	106.7	156.1	248.7	264.7	259.2
42.5°	235.7	238.8	211.6	117.9	75.9	116.0	196.8	211.6	205.5
45°	190.0	190.0	166.6	87.6	49.4	86.4	155.5	169.1	167.8
47.5°	161.0	158.6	135.1	64.2	27.1	64.8	130.8	147.5	146.9
50°	143.8	140.1	116.0	50.6	19.1	53.7	114.8	130.2	130.8
52.5°	130.2	124.6	104.3	45.0	16.7	46.9	104.3	116.6	116.6
55°	115.4	112.3	93.8	40.1	14.8	42.0	93.8	104.9	104.3
57.5°	97.5	96.9	83.9	36.4	13.6	37.0	83.9	90.7	88.2
60°	79.6	82.1	72.8	32.7	12.3	33.3	71.6	77.1	75.9
62.5°	66.6	69.7	63.6	29.0	10.5	29.6	60.5	66.0	64.8
65°	55.5	58.0	53.1	24.7	9.3	24.7	50.0	54.9	54.9
67.5°	45.7	47.5	43.8	20.4	8.0	20.4	40.7	45.0	45.7
70°	36.4	37.6	34.6	16.0	6.8	16.7	32.1	36.4	36.4
72.5°	28.4	29.0	27.1	13.0	6.2	13.0	24.7	28.4	28.4
75°	20.4	21.6	20.4	9.9	5.6	9.9	19.1	21.0	21.6
77.5°	11.7	14.8	14.8	8.0	4.3	7.4	13.6	14.2	14.2
80°	8.0	9.3	10.5	5.6	3.1	5.6	8.6	9.3	8.6
82.5°	5.6	6.2	6.2	3.7	2.5	3.7	5.6	6.2	5.6
85°	3.1	4.3	4.3	3.1	1.9	2.5	3.1	3.7	3.1
87.5°	1.9	2.5	3.1	2.5	1.9	1.9	1.9	1.9	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)