

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: P799353

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDDWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799353  
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 6LBMDDWH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

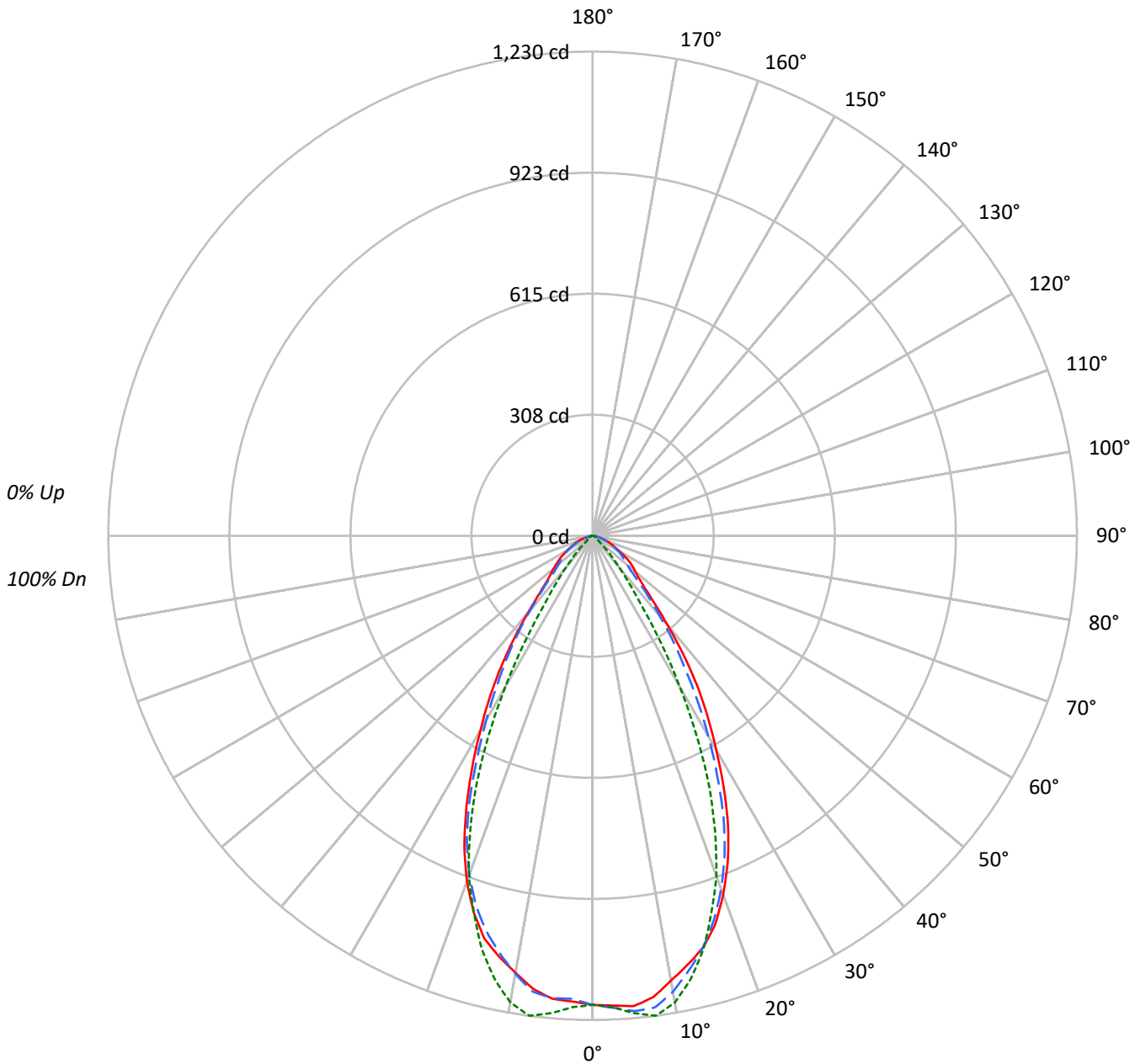
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1213.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 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

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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°	65318	65318	65318
5°	66002	66999	64968
10°	63860	66999	62747
15°	61465	61703	60159
20°	56571	53601	54447
25°	49231	42269	45862
30°	39709	28080	36025
35°	30785	14482	27050
40°	21118	7500	18213
45°	14474	3760	12777
50°	12042	1603	10959
55°	10829	1386	9787
60°	8574	1327	8168
65°	7069	1180	6992
70°	5738	1074	5738
75°	4236	1165	4490
80°	2494	947	2683
85°	1887	1132	1887



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.4	9.4
10°-20°	297.7	24.5
20°-30°	339.8	28.0
30°-40°	225.3	18.6
40°-50°	108.7	9.0
50°-60°	66.8	5.5
60°-70°	40.4	3.3
70°-80°	17.0	1.4
80°-90°	3.7	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°	750.9	61.9
0°-40°	976.2	80.5
0°-60°	1151.8	95.0
0°-90°	1213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1192	1192	1192	1192	1192	
5°	1199	1212	1218	1179	1181	113
15°	1083	1083	1087	1041	1060	302
25°	814	787	699	739	758	369
35°	460	405	216	378	404	285
45°	187	164	48	153	165	152
55°	113	92	14	92	102	100
65°	54	52	9	49	54	55
75°	20	20	6	19	21	21
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°	1191.5	1191.5	1191.5	1191.5	1191.5	1191.5	1191.5	1191.5	1191.5
2.5°	1194.5	1196.3	1200.0	1200.6	1198.8	1187.2	1177.5	1181.2	1184.2
5°	1199.4	1203.0	1212.1	1220.6	1217.5	1198.2	1178.8	1178.2	1180.6
7.5°	1181.8	1190.3	1209.1	1230.3	1229.7	1196.3	1167.9	1160.6	1160.6
10°	1147.2	1155.1	1175.7	1204.2	1203.6	1161.8	1130.3	1126.6	1127.2
12.5°	1116.3	1120.0	1130.3	1152.7	1152.7	1111.5	1087.2	1090.9	1095.7
15°	1083.0	1085.4	1083.0	1090.3	1087.2	1053.3	1041.2	1052.7	1060.0
17.5°	1035.7	1036.9	1024.2	1014.5	1003.0	981.8	984.8	1001.8	1003.6
20°	969.7	977.6	954.5	929.7	918.8	898.8	915.7	934.5	933.3
22.5°	896.9	906.0	876.3	835.1	812.7	804.8	835.1	852.1	851.5
25°	813.9	820.6	786.6	729.1	698.8	697.6	739.4	757.0	758.2
27.5°	720.6	723.0	684.8	609.7	572.1	581.2	633.9	658.2	661.2
30°	627.3	626.0	586.7	493.3	443.6	468.5	539.4	566.0	569.1
32.5°	541.8	538.2	493.3	381.8	322.4	359.4	452.7	480.6	485.4
35°	460.0	453.9	405.4	282.4	216.4	271.5	378.2	402.4	404.2
37.5°	374.5	371.5	333.3	211.5	150.9	206.1	308.5	326.1	324.2
40°	295.1	295.1	263.6	157.0	104.8	153.3	244.2	260.0	254.5
42.5°	231.5	234.5	207.9	115.8	74.5	113.9	193.3	207.9	201.8
45°	186.7	186.7	163.6	86.1	48.5	84.8	152.7	166.1	164.8
47.5°	158.2	155.8	132.7	63.0	26.7	63.6	128.5	144.8	144.2
50°	141.2	137.6	113.9	49.7	18.8	52.7	112.7	127.9	128.5
52.5°	127.9	122.4	102.4	44.2	16.4	46.1	102.4	114.5	114.5
55°	113.3	110.3	92.1	39.4	14.5	41.2	92.1	103.0	102.4
57.5°	95.8	95.1	82.4	35.8	13.3	36.4	82.4	89.1	86.7
60°	78.2	80.6	71.5	32.1	12.1	32.7	70.3	75.8	74.5
62.5°	65.5	68.5	62.4	28.5	10.3	29.1	59.4	64.8	63.6
65°	54.5	57.0	52.1	24.2	9.1	24.2	49.1	53.9	53.9
67.5°	44.8	46.7	43.0	20.0	7.9	20.0	40.0	44.2	44.8
70°	35.8	37.0	33.9	15.8	6.7	16.4	31.5	35.8	35.8
72.5°	27.9	28.5	26.7	12.7	6.1	12.7	24.2	27.9	27.9
75°	20.0	21.2	20.0	9.7	5.5	9.7	18.8	20.6	21.2
77.5°	11.5	14.5	14.5	7.9	4.2	7.3	13.3	13.9	13.9
80°	7.9	9.1	10.3	5.5	3.0	5.5	8.5	9.1	8.5
82.5°	5.5	6.1	6.1	3.6	2.4	3.6	5.5	6.1	5.5
85°	3.0	4.2	4.2	3.0	1.8	2.4	3.0	3.6	3.0
87.5°	1.8	2.4	3.0	2.4	1.8	1.8	1.8	1.8	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)