

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: P799411

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDSWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799411  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15D010 EU6159050 6LBMDSWWMH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

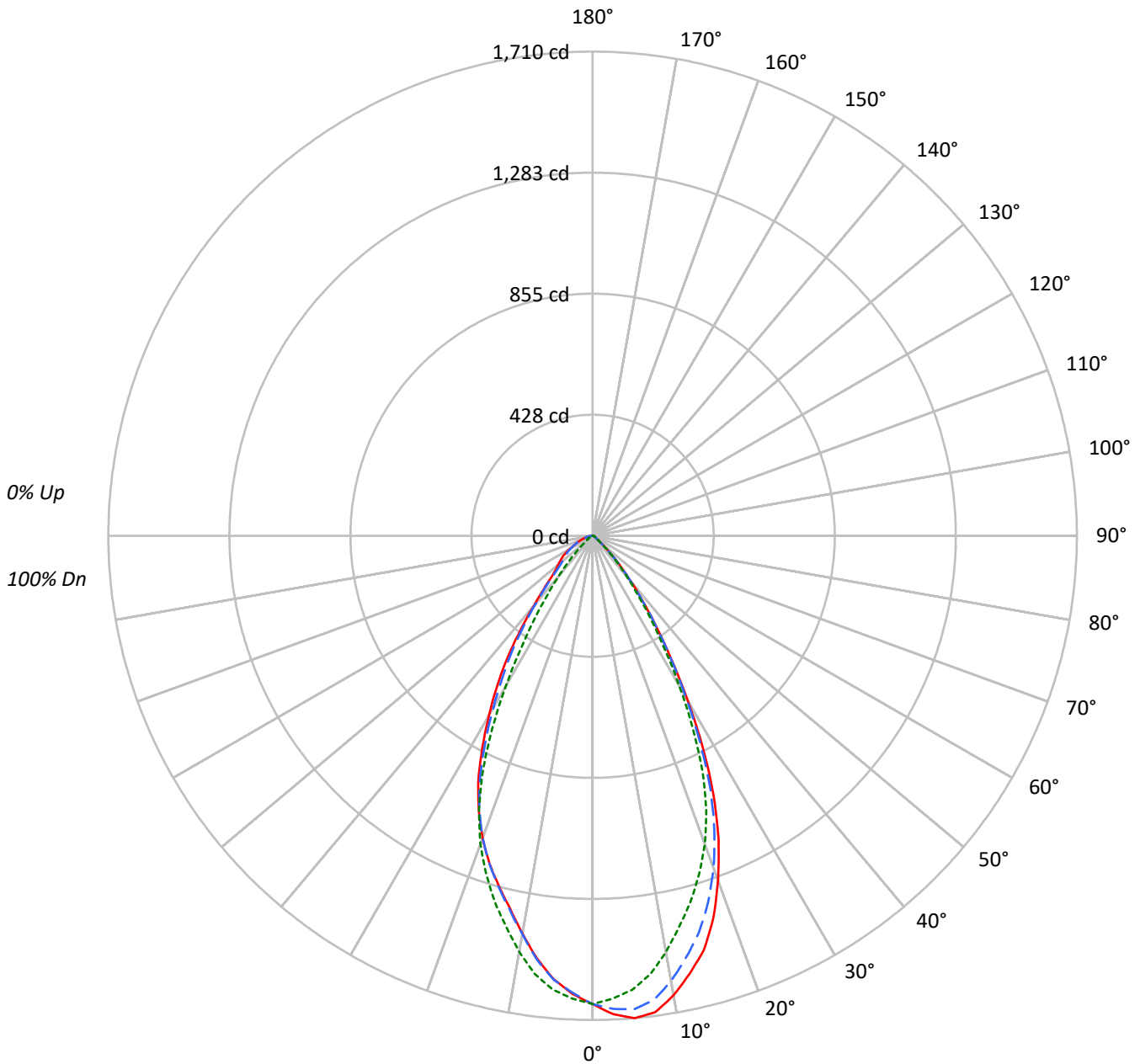
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1424.0 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

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

	0°	90°	180°
0°	90673	90673	90673
5°	94117	88543	86540
10°	91710	83053	79396
15°	86011	75891	72611
20°	75507	67562	66267
25°	61068	55503	57790
30°	42456	38664	46254
35°	26167	23684	34907
40°	14806	13275	23179
45°	7195	6861	15823
50°	2738	2738	13449
55°	1501	1778	12415
60°	1096	1403	10175
65°	921	1206	8328
70°	801	1026	6860
75°	763	1059	5888
80°	442	916	4293
85°	440	1824	4026



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.4	10.6
10°-20°	380.6	26.7
20°-30°	428.4	30.1
30°-40°	265.3	18.6
40°-50°	105.6	7.4
50°-60°	48.1	3.4
60°-70°	27.6	1.9
70°-80°	13.1	0.9
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°	960.4	67.4
0°-40°	1225.7	86.1
0°-60°	1379.4	96.9
0°-90°	1424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1654	1654	1654	1654	1654	
5°	1710	1679	1609	1574	1573	161
15°	1516	1450	1337	1283	1279	419
25°	1010	982	918	940	955	454
35°	391	389	354	493	522	251
45°	93	93	88	193	204	79
55°	16	15	19	114	130	16
65°	7	6	9	64	64	7
75°	4	4	5	27	28	4
85°	1	1	3	6	6	1
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°	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0
2.5°	1691.8	1676.1	1672.5	1659.0	1636.1	1623.3	1615.4	1609.7	1619.7
5°	1710.3	1693.2	1678.9	1651.1	1609.0	1585.5	1574.0	1564.8	1572.6
7.5°	1696.8	1672.5	1653.2	1614.7	1561.2	1524.8	1509.1	1498.4	1505.5
10°	1647.5	1618.3	1596.2	1550.5	1492.0	1448.5	1429.2	1419.2	1426.3
12.5°	1583.3	1559.1	1525.5	1475.6	1412.8	1367.1	1352.8	1345.0	1347.9
15°	1515.5	1487.0	1449.9	1399.9	1337.2	1291.5	1282.9	1277.9	1279.4
17.5°	1417.1	1389.2	1357.1	1308.6	1250.8	1213.7	1213.7	1210.1	1212.3
20°	1294.3	1279.4	1248.0	1207.3	1158.1	1124.5	1135.2	1131.7	1135.9
22.5°	1161.6	1150.2	1123.1	1089.6	1048.2	1021.8	1045.3	1044.6	1050.3
25°	1009.6	1001.1	982.5	954.0	917.6	901.2	940.4	940.4	955.4
27.5°	842.0	833.4	820.6	796.3	766.3	761.3	819.1	826.3	842.7
30°	670.7	665.0	657.9	635.8	610.8	620.1	700.0	712.1	730.7
32.5°	518.0	514.5	512.3	492.3	470.2	500.9	592.2	607.9	626.5
35°	391.0	383.2	388.9	373.9	353.9	392.4	493.0	506.6	521.6
37.5°	288.3	282.6	287.6	276.8	259.0	301.1	396.0	404.6	414.6
40°	206.9	201.9	206.2	199.8	185.5	224.8	310.4	319.7	323.9
42.5°	147.0	138.4	142.7	137.7	130.6	169.1	244.0	252.6	254.0
45°	92.8	89.9	92.8	89.9	88.5	125.6	192.7	200.5	204.1
47.5°	56.4	52.8	52.8	51.4	52.8	92.8	159.1	170.5	176.2
50°	32.1	30.7	30.0	29.3	32.1	72.8	137.7	150.6	157.7
52.5°	21.4	20.7	20.7	20.0	23.5	61.4	124.2	135.6	142.7
55°	15.7	15.0	15.0	15.0	18.6	52.8	114.2	123.4	129.9
57.5°	12.1	12.1	12.1	11.4	15.7	45.0	102.0	107.0	112.0
60°	10.0	9.3	9.3	9.3	12.8	38.5	87.8	89.9	92.8
62.5°	7.8	7.8	7.8	7.8	10.7	34.2	75.6	75.6	77.1
65°	7.1	6.4	6.4	6.4	9.3	30.0	63.5	62.8	64.2
67.5°	5.7	5.7	5.7	5.7	7.8	25.7	52.1	51.4	52.8
70°	5.0	5.0	5.0	5.0	6.4	21.4	42.1	41.4	42.8
72.5°	4.3	4.3	4.3	4.3	5.7	17.8	33.5	33.5	34.2
75°	3.6	3.6	3.6	3.6	5.0	13.6	27.1	27.1	27.8
77.5°	2.9	2.9	2.9	2.9	3.6	10.7	20.7	20.0	20.0
80°	1.4	2.1	2.1	2.1	2.9	7.8	15.0	13.6	13.6
82.5°	0.7	1.4	1.4	1.4	2.9	5.7	10.0	9.3	9.3
85°	0.7	0.7	0.7	2.1	2.9	4.3	6.4	6.4	6.4
87.5°	0.0	0.7	1.4	2.9	3.6	3.6	4.3	3.6	3.6
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)