

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: P799386

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDSWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799386  
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 EU6159035 6LBMDSWWH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

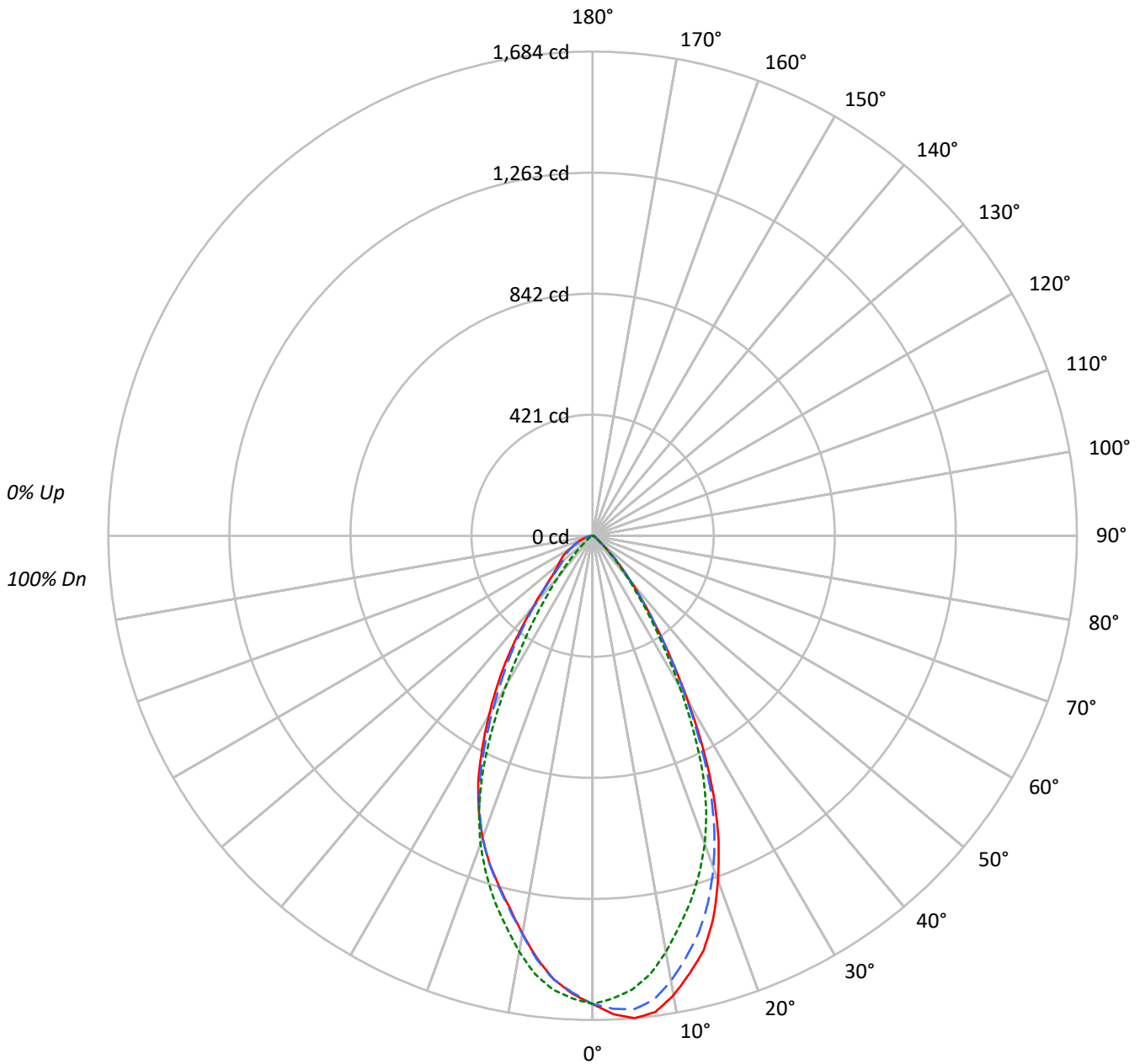
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1402.0 lumens  
Efficiency: N/A  
Efficacy: 88.7 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				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

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

	0°	90°	180°
0°	89269	89269	89269
5°	92664	87172	85202
10°	90296	81768	78172
15°	84683	74717	71487
20°	74341	66517	65246
25°	60124	54644	56900
30°	41804	38063	45539
35°	25765	23316	34365
40°	14577	13074	22821
45°	7078	6753	15575
50°	2695	2695	13245
55°	1481	1749	12224
60°	1074	1381	10010
65°	908	1180	8198
70°	785	1010	6764
75°	741	1038	5804
80°	442	884	4199
85°	440	1761	3963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	10.6
10°-20°	374.7	26.7
20°-30°	421.8	30.1
30°-40°	261.2	18.6
40°-50°	104.0	7.4
50°-60°	47.4	3.4
60°-70°	27.2	1.9
70°-80°	12.9	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°	945.5	67.4
0°-40°	1206.7	86.1
0°-60°	1358.1	96.9
0°-90°	1402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1402.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1628	1628	1628	1628	1628	
5°	1684	1653	1584	1550	1548	159
15°	1492	1428	1316	1263	1260	413
25°	994	967	903	926	941	447
35°	385	383	348	485	514	247
45°	91	91	87	190	201	77
55°	16	15	18	112	128	15
65°	7	6	9	62	63	7
75°	4	4	5	27	27	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°	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4
2.5°	1665.6	1650.2	1646.7	1633.3	1610.8	1598.2	1590.5	1584.8	1594.7
5°	1683.9	1667.0	1653.0	1625.6	1584.1	1561.0	1549.7	1540.6	1548.3
7.5°	1670.6	1646.7	1627.7	1589.8	1537.1	1501.3	1485.8	1475.3	1482.3
10°	1622.1	1593.3	1571.5	1526.5	1468.9	1426.1	1407.1	1397.3	1404.3
12.5°	1558.9	1535.0	1502.0	1452.8	1391.0	1346.0	1331.9	1324.2	1327.0
15°	1492.1	1464.0	1427.5	1378.3	1316.5	1271.5	1263.1	1258.2	1259.6
17.5°	1395.2	1367.8	1336.2	1288.4	1231.5	1195.0	1195.0	1191.4	1193.6
20°	1274.3	1259.6	1228.7	1188.6	1140.2	1107.1	1117.7	1114.2	1118.4
22.5°	1143.7	1132.4	1105.7	1072.7	1032.0	1006.0	1029.2	1028.5	1034.1
25°	994.0	985.6	967.3	939.2	903.4	887.3	925.9	925.9	940.7
27.5°	829.0	820.5	807.9	784.0	754.5	749.6	806.5	813.5	829.7
30°	660.4	654.7	647.7	625.9	601.3	610.5	689.2	701.1	719.4
32.5°	510.0	506.5	504.4	484.7	463.0	493.2	583.1	598.5	616.8
35°	385.0	377.2	382.9	368.1	348.4	386.4	485.4	498.8	513.5
37.5°	283.8	278.2	283.1	272.6	255.0	296.5	389.9	398.3	408.2
40°	203.7	198.8	203.0	196.7	182.7	221.3	305.6	314.7	318.9
42.5°	144.7	136.3	140.5	135.6	128.6	166.5	240.3	248.7	250.1
45°	91.3	88.5	91.3	88.5	87.1	123.6	189.7	197.4	200.9
47.5°	55.5	52.0	52.0	50.6	52.0	91.3	156.7	167.9	173.5
50°	31.6	30.2	29.5	28.8	31.6	71.7	135.6	148.2	155.3
52.5°	21.1	20.4	20.4	19.7	23.2	60.4	122.2	133.5	140.5
55°	15.5	14.8	14.8	14.8	18.3	52.0	112.4	121.5	127.9
57.5°	11.9	11.9	11.9	11.2	15.5	44.3	100.5	105.4	110.3
60°	9.8	9.1	9.1	9.1	12.6	37.9	86.4	88.5	91.3
62.5°	7.7	7.7	7.7	7.7	10.5	33.7	74.5	74.5	75.9
65°	7.0	6.3	6.3	6.3	9.1	29.5	62.5	61.8	63.2
67.5°	5.6	5.6	5.6	5.6	7.7	25.3	51.3	50.6	52.0
70°	4.9	4.9	4.9	4.9	6.3	21.1	41.4	40.7	42.2
72.5°	4.2	4.2	4.2	4.2	5.6	17.6	33.0	33.0	33.7
75°	3.5	3.5	3.5	3.5	4.9	13.3	26.7	26.7	27.4
77.5°	2.8	2.8	2.8	2.8	3.5	10.5	20.4	19.7	19.7
80°	1.4	2.1	2.1	2.1	2.8	7.7	14.8	13.3	13.3
82.5°	0.7	1.4	1.4	1.4	2.8	5.6	9.8	9.1	9.1
85°	0.7	0.7	0.7	2.1	2.8	4.2	6.3	6.3	6.3
87.5°	0.0	0.7	1.4	2.8	3.5	3.5	4.2	3.5	3.5
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)