

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: P799410

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDSWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799410  
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 6LBMDSWWH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

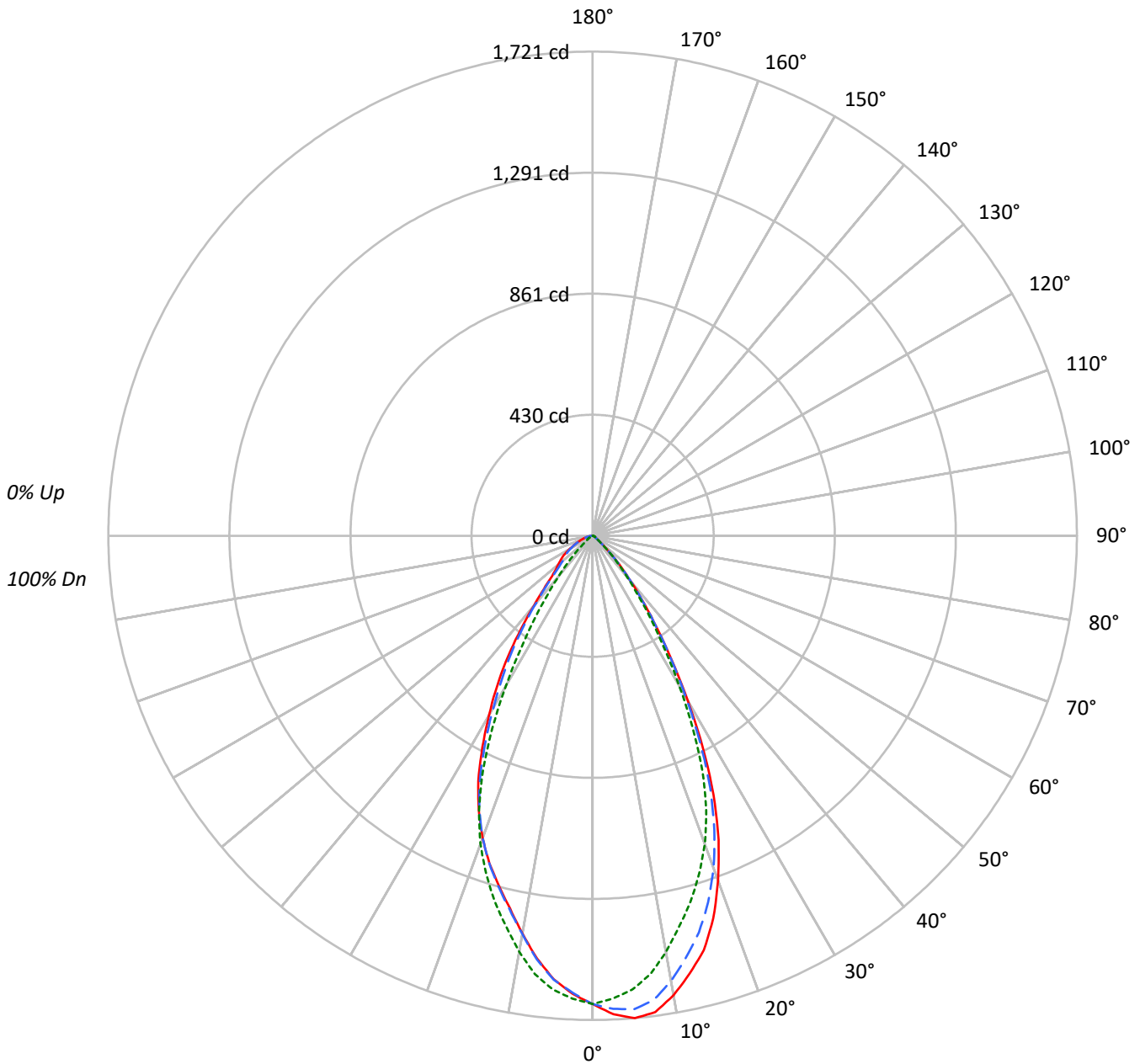
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1433.0 lumens  
Efficiency: N/A  
Efficacy: 90.7 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								
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°	91243	91243	91243
5°	94711	89104	87090
10°	92288	83577	79903
15°	86556	76368	73065
20°	75986	67988	66687
25°	61455	55854	58159
30°	42728	38905	46545
35°	26334	23831	35128
40°	14899	13361	23329
45°	7233	6900	15924
50°	2755	2755	13535
55°	1510	1787	12492
60°	1107	1414	10229
65°	934	1206	8380
70°	801	1042	6908
75°	763	1059	5931
80°	442	916	4293
85°	440	1824	4088



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.4	10.6
10°-20°	383.0	26.7
20°-30°	431.1	30.1
30°-40°	267.0	18.6
40°-50°	106.3	7.4
50°-60°	48.4	3.4
60°-70°	27.8	1.9
70°-80°	13.2	0.9
80°-90°	3.9	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°	966.5	67.4
0°-40°	1233.4	86.1
0°-60°	1388.1	96.9
0°-90°	1433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1433.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1664	1664	1664	1664	1664	
5°	1721	1690	1619	1584	1583	162
15°	1525	1459	1346	1291	1287	422
25°	1016	989	923	946	962	457
35°	394	391	356	496	525	253
45°	93	93	89	194	205	79
55°	16	15	19	115	131	16
65°	7	6	9	64	65	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°	1664.4	1664.4	1664.4	1664.4	1664.4	1664.4	1664.4	1664.4	1664.4
2.5°	1702.5	1686.7	1683.1	1669.4	1646.5	1633.5	1625.6	1619.9	1629.9
5°	1721.1	1703.9	1689.5	1661.5	1619.2	1595.5	1584.0	1574.7	1582.6
7.5°	1707.5	1683.1	1663.7	1624.9	1571.1	1534.4	1518.6	1507.9	1515.1
10°	1657.9	1628.5	1606.3	1560.3	1501.4	1457.6	1438.2	1428.2	1435.4
12.5°	1593.3	1568.9	1535.2	1484.9	1421.7	1375.8	1361.4	1353.5	1356.4
15°	1525.1	1496.4	1459.1	1408.8	1345.6	1299.6	1291.0	1286.0	1287.4
17.5°	1426.0	1398.0	1365.7	1316.9	1258.7	1221.4	1221.4	1217.8	1219.9
20°	1302.5	1287.4	1255.8	1214.9	1165.4	1131.6	1142.4	1138.8	1143.1
22.5°	1169.0	1157.5	1130.2	1096.4	1054.8	1028.2	1051.9	1051.2	1057.0
25°	1016.0	1007.4	988.7	960.0	923.4	906.9	946.4	946.4	961.5
27.5°	847.3	838.7	825.7	801.3	771.2	766.1	824.3	831.5	848.0
30°	675.0	669.2	662.0	639.8	614.6	624.0	704.4	716.6	735.3
32.5°	521.3	517.7	515.6	495.4	473.2	504.1	596.0	611.8	630.4
35°	393.5	385.6	391.3	376.3	356.1	394.9	496.2	509.8	524.9
37.5°	290.1	284.3	289.4	278.6	260.6	303.0	398.5	407.1	417.2
40°	208.2	203.2	207.5	201.1	186.7	226.2	312.3	321.7	326.0
42.5°	147.9	139.3	143.6	138.6	131.4	170.2	245.6	254.2	255.6
45°	93.3	90.5	93.3	90.5	89.0	126.4	193.9	201.8	205.4
47.5°	56.7	53.1	53.1	51.7	53.1	93.3	160.1	171.6	177.4
50°	32.3	30.9	30.2	29.4	32.3	73.2	138.6	151.5	158.7
52.5°	21.5	20.8	20.8	20.1	23.7	61.8	124.9	136.4	143.6
55°	15.8	15.1	15.1	15.1	18.7	53.1	114.9	124.2	130.7
57.5°	12.2	12.2	12.2	11.5	15.8	45.2	102.7	107.7	112.7
60°	10.1	9.3	9.3	9.3	12.9	38.8	88.3	90.5	93.3
62.5°	7.9	7.9	7.9	7.9	10.8	34.5	76.1	76.1	77.5
65°	7.2	6.5	6.5	6.5	9.3	30.2	63.9	63.2	64.6
67.5°	5.7	5.7	5.7	5.7	7.9	25.8	52.4	51.7	53.1
70°	5.0	5.0	5.0	5.0	6.5	21.5	42.4	41.6	43.1
72.5°	4.3	4.3	4.3	4.3	5.7	18.0	33.7	33.7	34.5
75°	3.6	3.6	3.6	3.6	5.0	13.6	27.3	27.3	28.0
77.5°	2.9	2.9	2.9	2.9	3.6	10.8	20.8	20.1	20.1
80°	1.4	2.2	2.2	2.2	2.9	7.9	15.1	13.6	13.6
82.5°	0.7	1.4	1.4	1.4	2.9	5.7	10.1	9.3	9.3
85°	0.7	0.7	0.7	2.2	2.9	4.3	6.5	6.5	6.5
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)