

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: P799409

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799409
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 6LBMDSWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

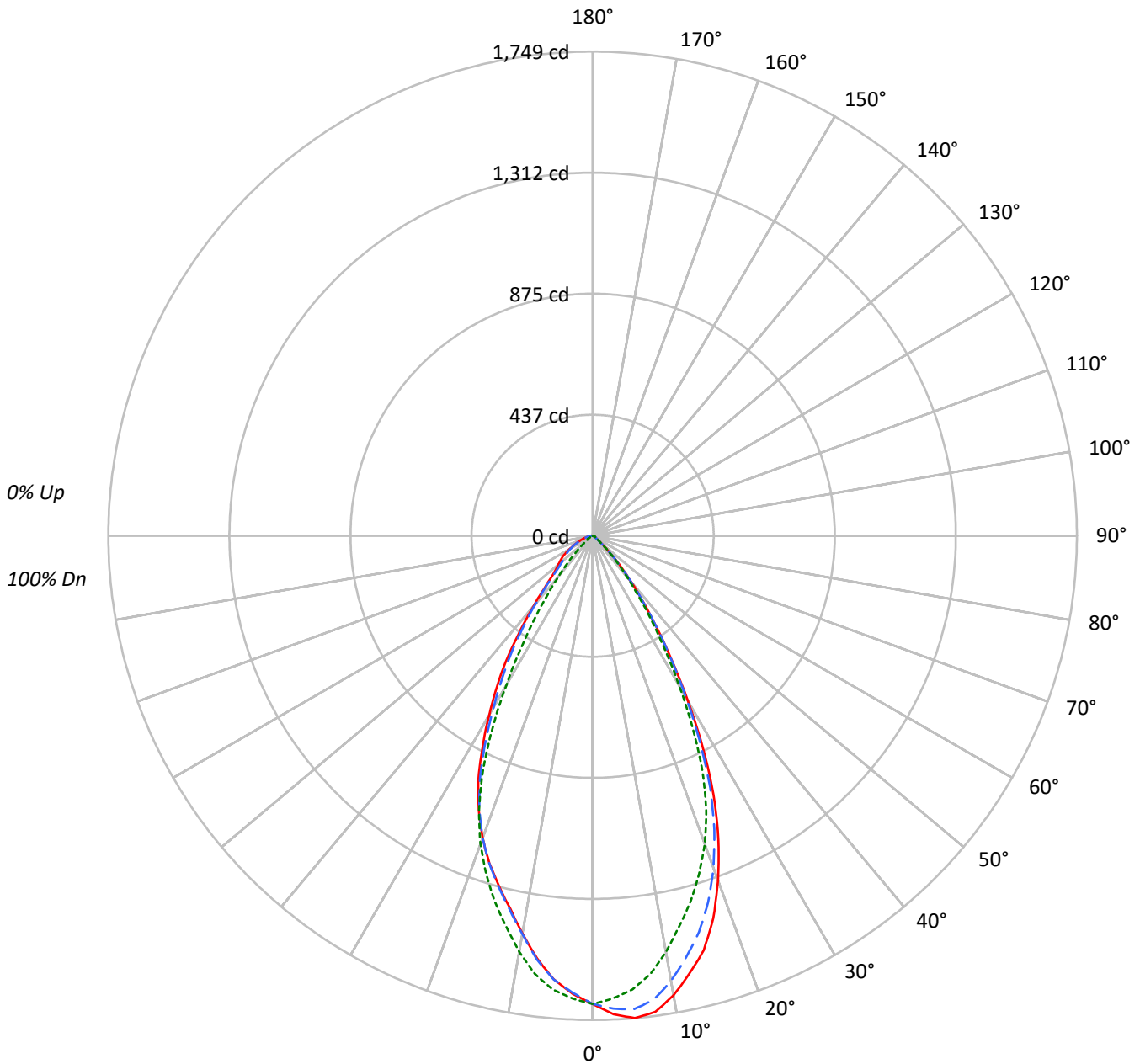
Lumens per Lamp: N/A
Luminaire Lumens: 1456.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): 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				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	92706	92706	92706
5°	96236	90535	88488
10°	93775	84918	81183
15°	87946	77594	74240
20°	77205	69079	67760
25°	62441	56749	59090
30°	43412	39531	47292
35°	26756	24219	35690
40°	15143	13575	23702
45°	7350	7016	16180
50°	2797	2797	13748
55°	1539	1816	12692
60°	1118	1436	10394
65°	947	1232	8522
70°	817	1058	7020
75°	763	1080	6037
80°	474	916	4388
85°	440	1824	4151



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	10.6
10°-20°	389.1	26.7
20°-30°	438.0	30.1
30°-40°	271.2	18.6
40°-50°	108.0	7.4
50°-60°	49.2	3.4
60°-70°	28.3	1.9
70°-80°	13.4	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°	982.0	67.4
0°-40°	1253.2	86.1
0°-60°	1410.4	96.9
0°-90°	1456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1456.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1691	1691	1691	1691	1691	
5°	1749	1717	1645	1609	1608	165
15°	1550	1482	1367	1312	1308	429
25°	1032	1005	938	962	977	464
35°	400	398	362	504	533	257
45°	95	95	90	197	209	80
55°	16	15	19	117	133	16
65°	7	7	10	65	66	7
75°	4	4	5	28	28	4
85°	1	1	3	7	7	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°	1691.1	1691.1	1691.1	1691.1	1691.1	1691.1	1691.1	1691.1	1691.1
2.5°	1729.8	1713.7	1710.1	1696.2	1672.9	1659.8	1651.7	1645.9	1656.1
5°	1748.8	1731.3	1716.7	1688.2	1645.2	1621.1	1609.4	1599.9	1608.0
7.5°	1734.9	1710.1	1690.4	1651.0	1596.3	1559.1	1543.0	1532.1	1539.4
10°	1684.6	1654.6	1632.0	1585.3	1525.5	1481.0	1461.3	1451.1	1458.4
12.5°	1618.9	1594.1	1559.8	1508.7	1444.5	1397.8	1383.3	1375.2	1378.1
15°	1549.6	1520.4	1482.5	1431.4	1367.2	1320.5	1311.8	1306.6	1308.1
17.5°	1448.9	1420.5	1387.6	1338.0	1278.9	1241.0	1241.0	1237.3	1239.5
20°	1323.4	1308.1	1276.0	1234.4	1184.1	1149.8	1160.7	1157.1	1161.5
22.5°	1187.7	1176.1	1148.3	1114.0	1071.7	1044.7	1068.8	1068.1	1073.9
25°	1032.3	1023.6	1004.6	975.4	938.2	921.4	961.6	961.6	976.9
27.5°	860.9	852.1	839.0	814.2	783.5	778.4	837.5	844.8	861.6
30°	685.8	680.0	672.7	650.0	624.5	634.0	715.7	728.1	747.1
32.5°	529.7	526.0	523.8	503.4	480.8	512.2	605.5	621.6	640.6
35°	399.8	391.8	397.6	382.3	361.9	401.3	504.1	518.0	533.3
37.5°	294.7	288.9	294.0	283.1	264.8	307.9	404.9	413.7	423.9
40°	211.6	206.5	210.8	204.3	189.7	229.8	317.4	326.8	331.2
42.5°	150.3	141.5	145.9	140.8	133.5	172.9	249.5	258.3	259.7
45°	94.8	91.9	94.8	91.9	90.5	128.4	197.0	205.0	208.7
47.5°	57.6	54.0	54.0	52.5	54.0	94.8	162.7	174.4	180.2
50°	32.8	31.4	30.6	29.9	32.8	74.4	140.8	153.9	161.2
52.5°	21.9	21.2	21.2	20.4	24.1	62.7	126.9	138.6	145.9
55°	16.1	15.3	15.3	15.3	19.0	54.0	116.7	126.2	132.8
57.5°	12.4	12.4	12.4	11.7	16.1	46.0	104.3	109.4	114.5
60°	10.2	9.5	9.5	9.5	13.1	39.4	89.7	91.9	94.8
62.5°	8.0	8.0	8.0	8.0	10.9	35.0	77.3	77.3	78.8
65°	7.3	6.6	6.6	6.6	9.5	30.6	64.9	64.2	65.7
67.5°	5.8	5.8	5.8	5.8	8.0	26.3	53.3	52.5	54.0
70°	5.1	5.1	5.1	5.1	6.6	21.9	43.0	42.3	43.8
72.5°	4.4	4.4	4.4	4.4	5.8	18.2	34.3	34.3	35.0
75°	3.6	3.6	3.6	3.6	5.1	13.9	27.7	27.7	28.5
77.5°	2.9	2.9	2.9	2.9	3.6	10.9	21.2	20.4	20.4
80°	1.5	2.2	2.2	2.2	2.9	8.0	15.3	13.9	13.9
82.5°	0.7	1.5	1.5	1.5	2.9	5.8	10.2	9.5	9.5
85°	0.7	0.7	0.7	2.2	2.9	4.4	6.6	6.6	6.6
87.5°	0.0	0.7	1.5	2.9	3.6	3.6	4.4	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)