

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: P799429

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDDWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799429  
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: LD6C20D010 EU6209030 6LBMDDWWMH  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

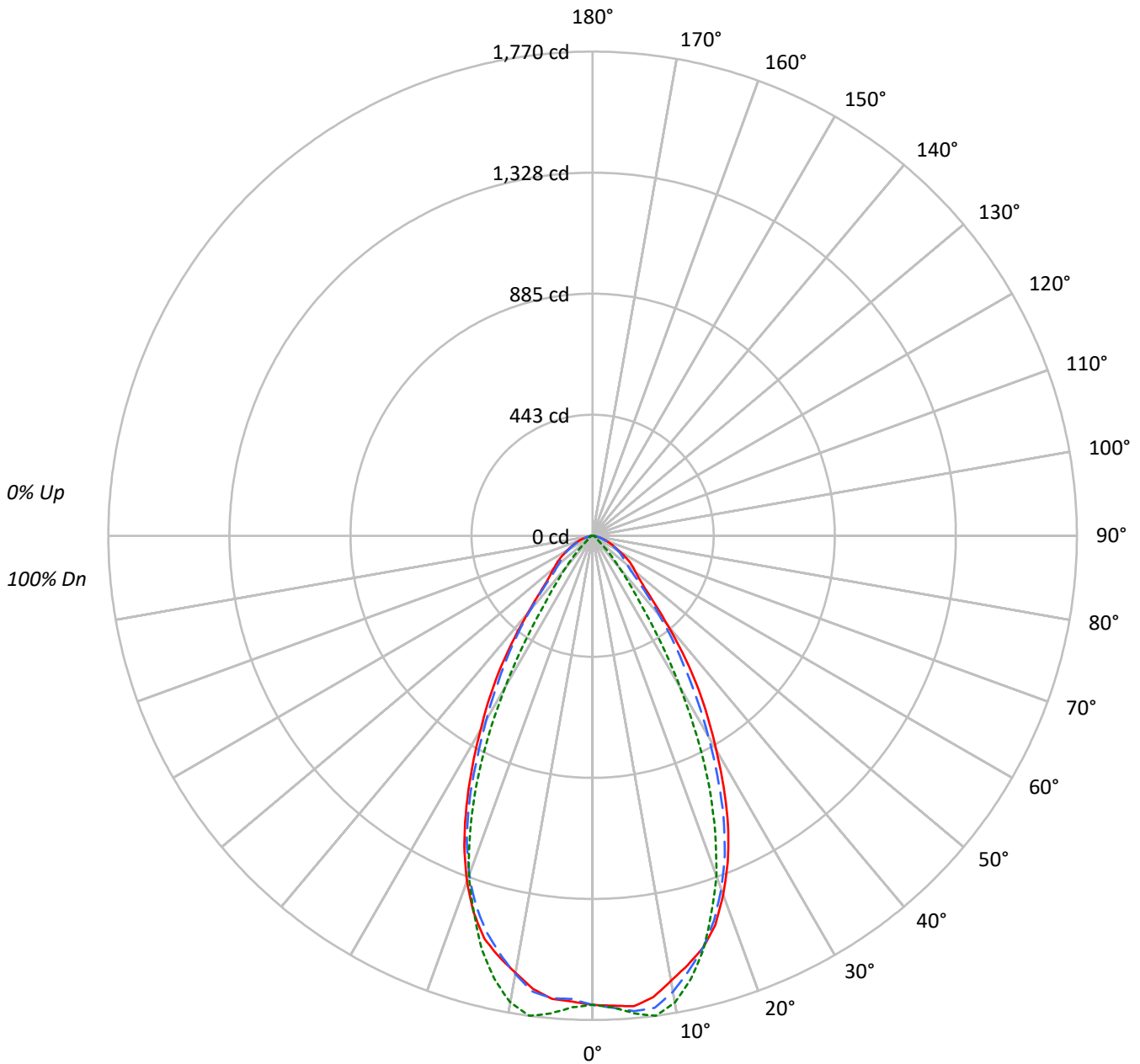
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1746.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 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): 21.8  
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	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°	94017	94017	94017
5°	95003	96439	93512
10°	91927	96441	90323
15°	88474	88820	86590
20°	81429	77153	78372
25°	70867	60838	66010
30°	57154	40424	51850
35°	44310	20840	38943
40°	30400	10799	26221
45°	20832	5411	18397
50°	17338	2303	15769
55°	15588	1998	14088
60°	12335	1908	11764
65°	10183	1699	10066
70°	8255	1539	8255
75°	6100	1673	6460
80°	3567	1389	3852
85°	2768	1635	2768



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.3	9.4
10°-20°	428.5	24.5
20°-30°	489.1	28.0
30°-40°	324.3	18.6
40°-50°	156.4	9.0
50°-60°	96.2	5.5
60°-70°	58.2	3.3
70°-80°	24.5	1.4
80°-90°	5.4	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°	1080.8	61.9
0°-40°	1405.2	80.5
0°-60°	1657.9	95.0
0°-90°	1746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1746.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1715	1715	1715	1715	1715	
5°	1726	1745	1752	1697	1699	162
15°	1559	1559	1565	1499	1526	434
25°	1172	1132	1006	1064	1091	531
35°	662	584	311	544	582	410
45°	269	236	70	220	237	219
55°	163	133	21	133	147	143
65°	78	75	13	71	78	79
75°	29	29	8	27	30	31
85°	4	6	3	4	4	6
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°	1715.0	1715.0	1715.0	1715.0	1715.0	1715.0	1715.0	1715.0	1715.0
2.5°	1719.4	1722.0	1727.2	1728.1	1725.5	1708.9	1695.0	1700.2	1704.6
5°	1726.4	1731.6	1744.7	1756.9	1752.5	1724.6	1696.7	1695.8	1699.3
7.5°	1701.1	1713.3	1740.3	1770.9	1770.0	1722.0	1681.0	1670.5	1670.5
10°	1651.4	1662.7	1692.4	1733.4	1732.5	1672.3	1626.9	1621.7	1622.6
12.5°	1606.9	1612.1	1626.9	1659.2	1659.2	1599.9	1565.0	1570.2	1577.2
15°	1558.9	1562.4	1558.9	1569.4	1565.0	1516.1	1498.7	1515.3	1525.7
17.5°	1490.8	1492.6	1474.3	1460.3	1443.7	1413.2	1417.6	1442.0	1444.6
20°	1395.8	1407.1	1373.9	1338.2	1322.5	1293.7	1318.1	1345.2	1343.4
22.5°	1291.1	1304.2	1261.4	1202.1	1169.8	1158.5	1202.1	1226.5	1225.6
25°	1171.6	1181.2	1132.3	1049.4	1005.8	1004.1	1064.3	1089.6	1091.3
27.5°	1037.2	1040.7	985.8	877.6	823.5	836.6	912.5	947.4	951.7
30°	902.9	901.1	844.4	710.1	638.6	674.3	776.4	814.8	819.1
32.5°	779.9	774.6	710.1	549.6	464.1	517.3	651.6	691.8	698.7
35°	662.1	653.4	583.6	406.5	311.4	390.8	544.3	579.2	581.9
37.5°	539.1	534.7	479.8	304.4	217.2	296.6	444.0	469.3	466.7
40°	424.8	424.8	379.5	225.9	150.9	220.7	351.6	374.2	366.4
42.5°	333.2	337.6	299.2	166.6	107.3	164.0	278.3	299.2	290.5
45°	268.7	268.7	235.5	123.9	69.8	122.1	219.8	239.0	237.3
47.5°	227.7	224.2	191.0	90.7	38.4	91.6	184.9	208.5	207.6
50°	203.3	198.0	164.0	71.5	27.0	75.9	162.3	184.1	184.9
52.5°	184.1	176.2	147.4	63.7	23.6	66.3	147.4	164.9	164.9
55°	163.1	158.8	132.6	56.7	20.9	59.3	132.6	148.3	147.4
57.5°	137.8	137.0	118.6	51.5	19.2	52.3	118.6	128.2	124.7
60°	112.5	116.0	102.9	46.2	17.4	47.1	101.2	109.0	107.3
62.5°	94.2	98.6	89.9	41.0	14.8	41.9	85.5	93.3	91.6
65°	78.5	82.0	75.0	34.9	13.1	34.9	70.7	77.6	77.6
67.5°	64.6	67.2	61.9	28.8	11.3	28.8	57.6	63.7	64.6
70°	51.5	53.2	48.9	22.7	9.6	23.6	45.4	51.5	51.5
72.5°	40.1	41.0	38.4	18.3	8.7	18.3	34.9	40.1	40.1
75°	28.8	30.5	28.8	14.0	7.9	14.0	27.0	29.7	30.5
77.5°	16.6	20.9	20.9	11.3	6.1	10.5	19.2	20.1	20.1
80°	11.3	13.1	14.8	7.9	4.4	7.9	12.2	13.1	12.2
82.5°	7.9	8.7	8.7	5.2	3.5	5.2	7.9	8.7	7.9
85°	4.4	6.1	6.1	4.4	2.6	3.5	4.4	5.2	4.4
87.5°	2.6	3.5	4.4	3.5	2.6	2.6	2.6	2.6	1.7
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)