

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: P799580

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDDWGPB**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799580  
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: LD6C30D010 EU6309050 6LBMDDWGPH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

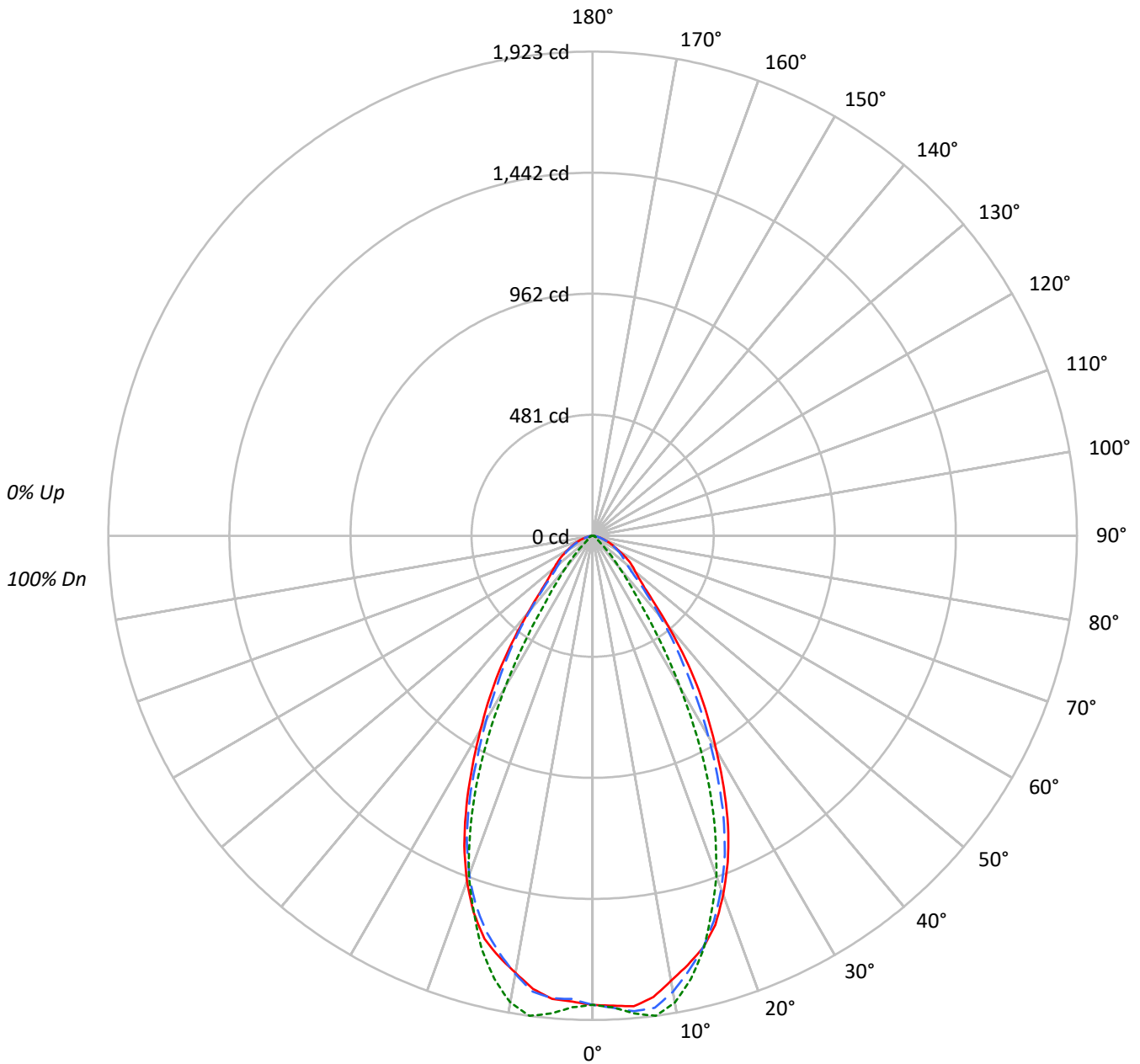
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1897.0 lumens  
Efficiency: N/A  
Efficacy: 60.0 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): 31.6  
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°	102152	102152	102152
5°	103219	104782	101601
10°	99876	104780	98133
15°	96124	96499	94081
20°	88470	83821	85151
25°	76994	66101	71720
30°	62098	43918	56338
35°	48144	22647	42309
40°	33033	11736	28489
45°	22630	5877	19987
50°	18831	2507	17134
55°	16936	2170	15311
60°	13409	2083	12784
65°	11065	1842	10948
70°	8960	1667	8960
75°	6630	1800	7032
80°	3883	1484	4199
85°	2956	1761	2956



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.4	9.4
10°-20°	465.5	24.5
20°-30°	531.4	28.0
30°-40°	352.4	18.6
40°-50°	170.0	9.0
50°-60°	104.6	5.5
60°-70°	63.3	3.3
70°-80°	26.6	1.4
80°-90°	5.9	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°	1174.3	61.9
0°-40°	1526.7	80.5
0°-60°	1801.2	95.0
0°-90°	1897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1897.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1863	1863	1863	1863	1863	
5°	1876	1896	1904	1844	1846	176
15°	1694	1694	1700	1628	1658	472
25°	1273	1230	1093	1156	1186	577
35°	719	634	338	591	632	445
45°	292	256	76	239	258	238
55°	177	144	23	144	160	156
65°	85	82	14	77	84	86
75°	31	31	8	29	33	33
85°	5	7	3	5	5	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°	1863.4	1863.4	1863.4	1863.4	1863.4	1863.4	1863.4	1863.4	1863.4
2.5°	1868.1	1870.9	1876.6	1877.6	1874.7	1856.7	1841.6	1847.2	1852.0
5°	1875.7	1881.4	1895.6	1908.8	1904.1	1873.8	1843.5	1842.5	1846.3
7.5°	1848.2	1861.5	1890.8	1924.0	1923.1	1870.9	1826.4	1815.0	1815.0
10°	1794.2	1806.5	1838.7	1883.3	1882.3	1816.9	1767.6	1761.9	1762.9
12.5°	1745.8	1751.5	1767.6	1802.7	1802.7	1738.2	1700.3	1706.0	1713.6
15°	1693.7	1697.5	1693.7	1705.1	1700.3	1647.3	1628.3	1646.3	1657.7
17.5°	1619.8	1621.7	1601.8	1586.6	1568.6	1535.4	1540.2	1566.7	1569.5
20°	1516.5	1528.8	1492.8	1453.9	1436.8	1405.6	1432.1	1461.5	1459.6
22.5°	1402.7	1416.9	1370.5	1306.1	1271.0	1258.7	1306.1	1332.6	1331.6
25°	1272.9	1283.3	1230.2	1140.2	1092.8	1090.9	1156.3	1183.8	1185.7
27.5°	1126.9	1130.7	1071.0	953.5	894.7	908.9	991.4	1029.3	1034.0
30°	981.0	979.1	917.5	771.5	693.8	732.6	843.5	885.2	890.0
32.5°	847.3	841.6	771.5	597.1	504.2	562.0	708.0	751.6	759.2
35°	719.4	709.9	634.1	441.7	338.4	424.6	591.4	629.3	632.2
37.5°	585.7	581.0	521.3	330.8	236.0	322.2	482.4	509.9	507.1
40°	461.6	461.6	412.3	245.5	164.0	239.8	382.0	406.6	398.1
42.5°	362.1	366.8	325.1	181.0	116.6	178.2	302.3	325.1	315.6
45°	291.9	291.9	255.9	134.6	75.8	132.7	238.8	259.7	257.8
47.5°	247.4	243.6	207.6	98.6	41.7	99.5	200.9	226.5	225.6
50°	220.8	215.1	178.2	77.7	29.4	82.5	176.3	200.0	200.9
52.5°	200.0	191.5	160.2	69.2	25.6	72.0	160.2	179.1	179.1
55°	177.2	172.5	144.1	61.6	22.7	64.4	144.1	161.1	160.2
57.5°	149.8	148.8	128.9	55.9	20.9	56.9	128.9	139.3	135.5
60°	122.3	126.1	111.8	50.2	19.0	51.2	109.9	118.5	116.6
62.5°	102.4	107.1	97.6	44.5	16.1	45.5	92.9	101.4	99.5
65°	85.3	89.1	81.5	37.9	14.2	37.9	76.8	84.4	84.4
67.5°	70.1	73.0	67.3	31.3	12.3	31.3	62.6	69.2	70.1
70°	55.9	57.8	53.1	24.6	10.4	25.6	49.3	55.9	55.9
72.5°	43.6	44.5	41.7	19.9	9.5	19.9	37.9	43.6	43.6
75°	31.3	33.2	31.3	15.2	8.5	15.2	29.4	32.2	33.2
77.5°	18.0	22.7	22.7	12.3	6.6	11.4	20.9	21.8	21.8
80°	12.3	14.2	16.1	8.5	4.7	8.5	13.3	14.2	13.3
82.5°	8.5	9.5	9.5	5.7	3.8	5.7	8.5	9.5	8.5
85°	4.7	6.6	6.6	4.7	2.8	3.8	4.7	5.7	4.7
87.5°	2.8	3.8	4.7	3.8	2.8	2.8	2.8	2.8	1.9
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)