

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: P799556

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDDWGPB**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799556  
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 EU6309035 6LBMDDWGPH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

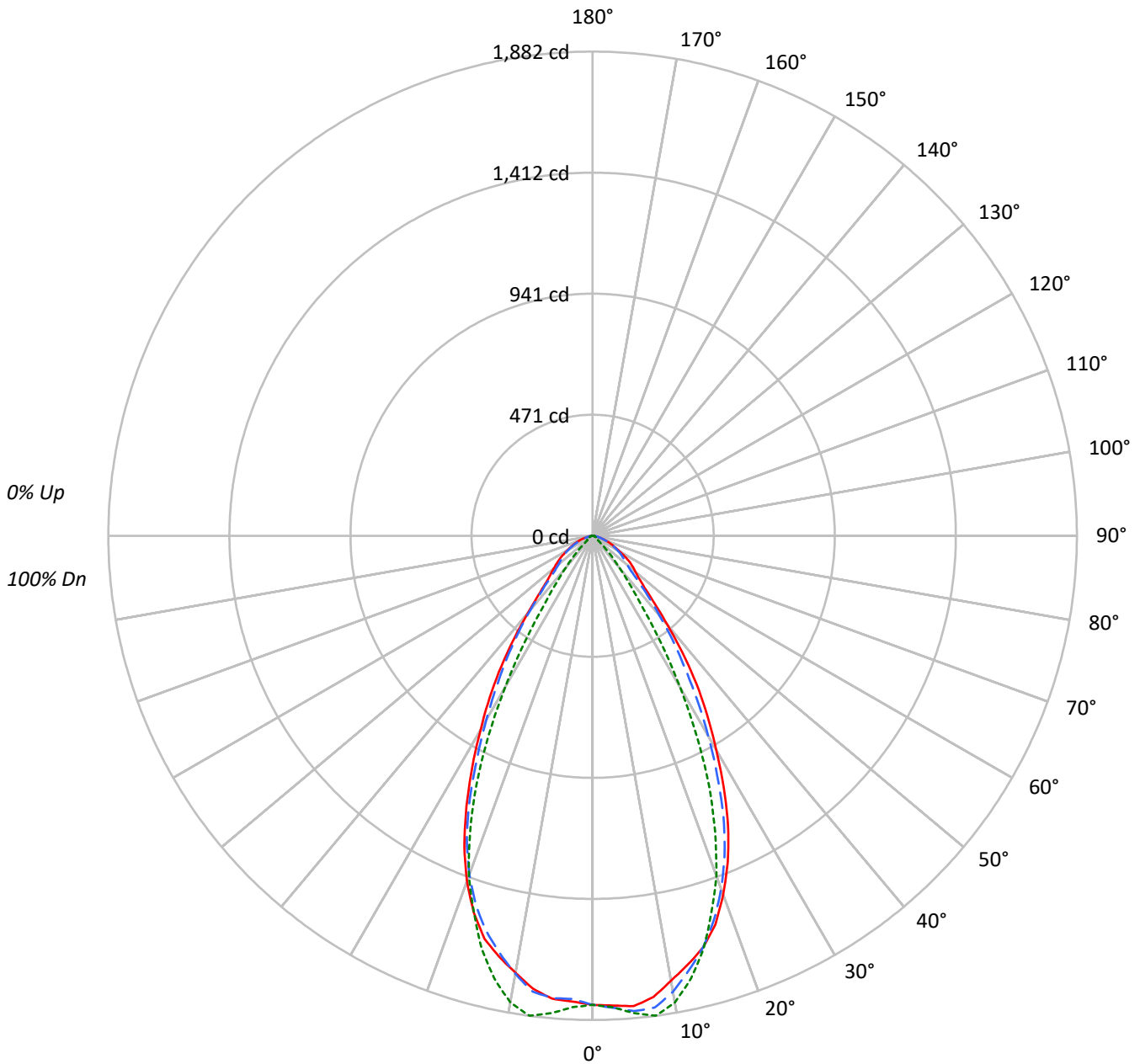
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1856.0 lumens  
Efficiency: N/A  
Efficacy: 58.7 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 (Ain): 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°	99943	99943	99943
5°	100985	102520	99405
10°	97716	102514	96012
15°	94047	94416	92049
20°	86557	82012	83307
25°	75331	64673	70171
30°	60756	42969	55116
35°	47100	22152	41392
40°	32318	11479	27874
45°	22142	5753	19552
50°	18430	2448	16767
55°	16573	2131	14977
60°	13113	2028	12510
65°	10831	1803	10702
70°	8768	1635	8768
75°	6481	1758	6884
80°	3820	1452	4104
85°	2893	1761	2893



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.5	9.4
10°-20°	455.5	24.5
20°-30°	519.9	28.0
30°-40°	344.8	18.6
40°-50°	166.3	9.0
50°-60°	102.3	5.5
60°-70°	61.9	3.3
70°-80°	26.0	1.4
80°-90°	5.7	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°	1148.9	61.9
0°-40°	1493.7	80.5
0°-60°	1762.3	95.0
0°-90°	1856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1856.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1823	1823	1823	1823	1823	
5°	1835	1855	1863	1804	1806	172
15°	1657	1657	1664	1593	1622	462
25°	1245	1204	1069	1131	1160	565
35°	704	620	331	579	618	435
45°	286	250	74	234	252	233
55°	173	141	22	141	157	152
65°	84	80	14	75	82	84
75°	31	31	8	29	32	33
85°	5	6	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°	1823.1	1823.1	1823.1	1823.1	1823.1	1823.1	1823.1	1823.1	1823.1
2.5°	1827.7	1830.5	1836.1	1837.0	1834.2	1816.6	1801.8	1807.3	1812.0
5°	1835.1	1840.7	1854.6	1867.6	1863.0	1833.3	1803.6	1802.7	1806.4
7.5°	1808.2	1821.2	1850.0	1882.4	1881.5	1830.5	1786.9	1775.8	1775.8
10°	1755.4	1767.4	1799.0	1842.6	1841.6	1777.6	1729.4	1723.9	1724.8
12.5°	1708.1	1713.7	1729.4	1763.7	1763.7	1700.7	1663.6	1669.1	1676.6
15°	1657.1	1660.8	1657.1	1668.2	1663.6	1611.7	1593.1	1610.7	1621.9
17.5°	1584.8	1586.6	1567.1	1552.3	1534.7	1502.2	1506.9	1532.8	1535.6
20°	1483.7	1495.7	1460.5	1422.5	1405.8	1375.2	1401.2	1429.9	1428.0
22.5°	1372.4	1386.3	1340.9	1277.8	1243.5	1231.5	1277.8	1303.8	1302.9
25°	1245.4	1255.6	1203.6	1115.5	1069.2	1067.3	1131.3	1158.2	1160.1
27.5°	1102.6	1106.3	1047.9	932.9	875.4	889.3	970.0	1007.1	1011.7
30°	959.8	957.9	897.6	754.8	678.8	716.8	825.3	866.1	870.7
32.5°	829.0	823.4	754.8	584.2	493.3	549.9	692.7	735.4	742.8
35°	703.8	694.6	620.4	432.1	331.0	415.4	578.6	615.7	618.5
37.5°	573.1	568.4	510.0	323.6	230.9	315.3	472.0	498.9	496.1
40°	451.6	451.6	403.4	240.2	160.4	234.6	373.7	397.8	389.5
42.5°	354.2	358.9	318.1	177.1	114.1	174.3	295.8	318.1	308.8
45°	285.6	285.6	250.4	131.7	74.2	129.8	233.7	254.1	252.2
47.5°	242.0	238.3	203.1	96.4	40.8	97.4	196.6	221.6	220.7
50°	216.1	210.5	174.3	76.0	28.7	80.7	172.5	195.7	196.6
52.5°	195.7	187.3	156.7	67.7	25.0	70.5	156.7	175.3	175.3
55°	173.4	168.8	141.0	60.3	22.3	63.1	141.0	157.6	156.7
57.5°	146.5	145.6	126.1	54.7	20.4	55.6	126.1	136.3	132.6
60°	119.6	123.3	109.4	49.1	18.5	50.1	107.6	115.9	114.1
62.5°	100.1	104.8	95.5	43.6	15.8	44.5	90.9	99.2	97.4
65°	83.5	87.2	79.7	37.1	13.9	37.1	75.1	82.5	82.5
67.5°	68.6	71.4	65.8	30.6	12.1	30.6	61.2	67.7	68.6
70°	54.7	56.6	51.9	24.1	10.2	25.0	48.2	54.7	54.7
72.5°	42.7	43.6	40.8	19.5	9.3	19.5	37.1	42.7	42.7
75°	30.6	32.5	30.6	14.8	8.3	14.8	28.7	31.5	32.5
77.5°	17.6	22.3	22.3	12.1	6.5	11.1	20.4	21.3	21.3
80°	12.1	13.9	15.8	8.3	4.6	8.3	13.0	13.9	13.0
82.5°	8.3	9.3	9.3	5.6	3.7	5.6	8.3	9.3	8.3
85°	4.6	6.5	6.5	4.6	2.8	3.7	4.6	5.6	4.6
87.5°	2.8	3.7	4.6	3.7	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)