

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: P799583

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDDWMW**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799583  
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 6LBMDDWMW  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

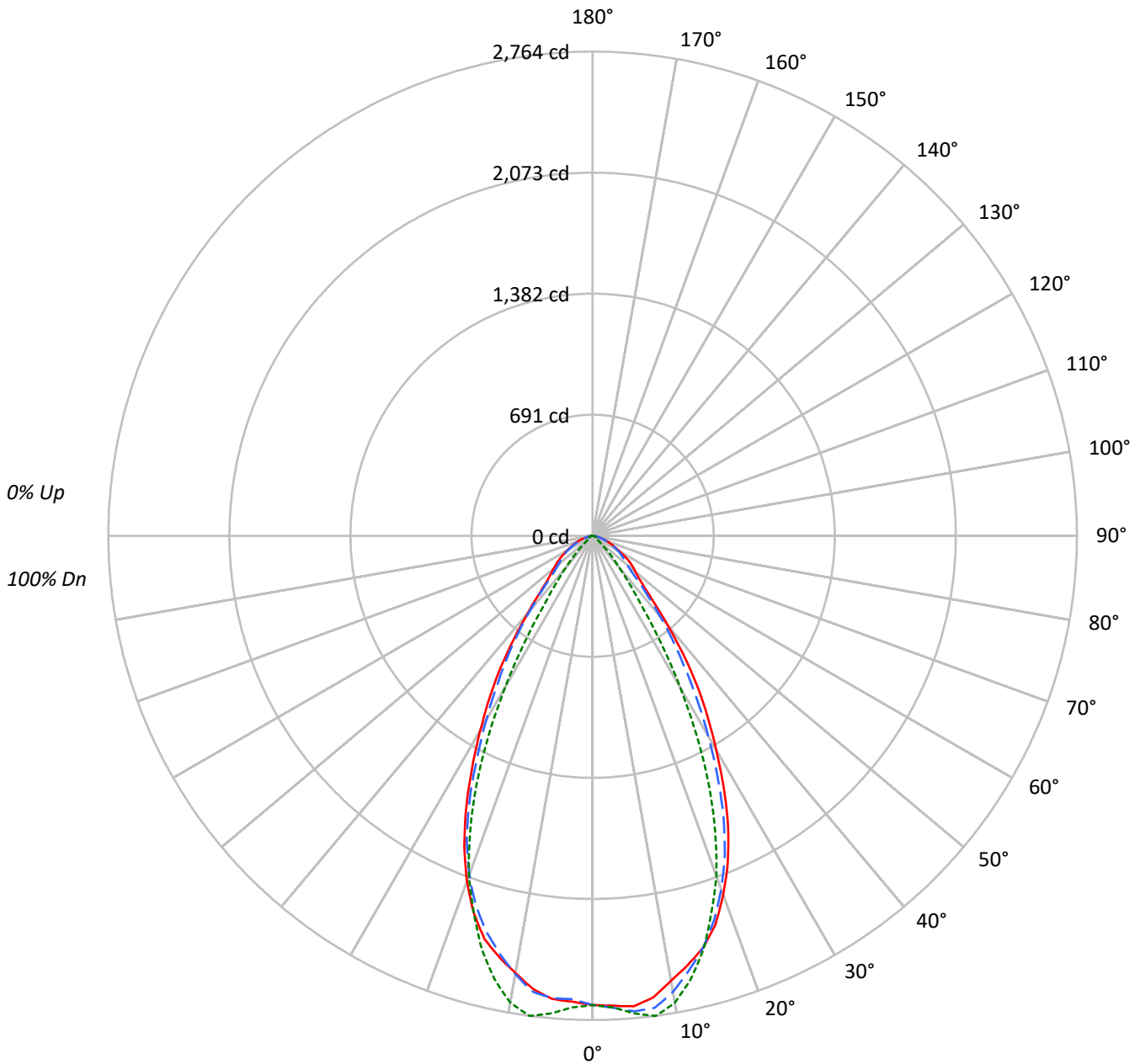
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2727.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 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°	146841	146841	146841
5°	148376	150627	146054
10°	143573	150626	141068
15°	138185	138724	135245
20°	127178	120498	122406
25°	110680	95020	103101
30°	89267	63130	80987
35°	69205	32551	60820
40°	47482	16867	40948
45°	32531	8450	28732
50°	27078	3599	24630
55°	24353	3125	22011
60°	19275	2982	18376
65°	15903	2646	15734
70°	12887	2404	12887
75°	9531	2605	10103
80°	5588	2147	6030
85°	4277	2579	4277



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.0	9.4
10°-20°	669.2	24.5
20°-30°	763.9	28.0
30°-40°	506.6	18.6
40°-50°	244.3	9.0
50°-60°	150.3	5.5
60°-70°	90.9	3.3
70°-80°	38.3	1.4
80°-90°	8.4	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°	1688.1	61.9
0°-40°	2194.7	80.5
0°-60°	2589.3	95.0
0°-90°	2727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2727.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2679	2679	2679	2679	2679	
5°	2696	2725	2737	2650	2654	253
15°	2435	2435	2444	2341	2383	679
25°	1830	1768	1571	1662	1704	830
35°	1034	912	486	850	909	640
45°	420	368	109	343	371	342
55°	255	207	33	207	230	224
65°	123	117	20	110	121	123
75°	45	45	12	42	48	48
85°	7	10	4	7	7	9
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°	2678.6	2678.6	2678.6	2678.6	2678.6	2678.6	2678.6	2678.6	2678.6
2.5°	2685.4	2689.5	2697.7	2699.1	2695.0	2669.1	2647.3	2655.5	2662.3
5°	2696.3	2704.5	2725.0	2744.0	2737.2	2693.6	2650.0	2648.7	2654.1
7.5°	2656.8	2675.9	2718.1	2765.8	2764.5	2689.5	2625.5	2609.1	2609.1
10°	2579.2	2596.9	2643.2	2707.2	2705.9	2611.9	2541.0	2532.8	2534.2
12.5°	2509.7	2517.9	2541.0	2591.4	2591.4	2498.8	2444.3	2452.5	2463.4
15°	2434.8	2440.2	2434.8	2451.1	2444.3	2368.0	2340.7	2366.6	2383.0
17.5°	2328.5	2331.2	2302.6	2280.8	2254.9	2207.2	2214.0	2252.2	2256.3
20°	2180.0	2197.7	2145.9	2090.0	2065.5	2020.6	2058.7	2100.9	2098.2
22.5°	2016.5	2036.9	1970.1	1877.5	1827.1	1809.4	1877.5	1915.6	1914.3
25°	1829.8	1844.8	1768.5	1639.1	1570.9	1568.2	1662.2	1701.7	1704.5
27.5°	1620.0	1625.4	1539.6	1370.7	1286.2	1306.6	1425.2	1479.7	1486.5
30°	1410.2	1407.4	1318.9	1109.1	997.3	1053.2	1212.6	1272.6	1279.4
32.5°	1218.1	1209.9	1109.1	858.4	724.8	808.0	1017.8	1080.4	1091.3
35°	1034.1	1020.5	911.5	634.9	486.4	610.4	850.2	904.7	908.8
37.5°	842.0	835.2	749.4	475.5	339.3	463.2	693.5	733.0	728.9
40°	663.5	663.5	592.7	352.9	235.7	344.7	549.1	584.5	572.2
42.5°	520.5	527.3	467.3	260.2	167.6	256.1	434.6	467.3	453.7
45°	419.6	419.6	367.9	193.5	109.0	190.7	343.3	373.3	370.6
47.5°	355.6	350.2	298.4	141.7	59.9	143.1	288.8	325.6	324.3
50°	317.5	309.3	256.1	111.7	42.2	118.5	253.4	287.5	288.8
52.5°	287.5	275.2	230.3	99.5	36.8	103.5	230.3	257.5	257.5
55°	254.8	248.0	207.1	88.6	32.7	92.6	207.1	231.6	230.3
57.5°	215.3	213.9	185.3	80.4	30.0	81.7	185.3	200.3	194.8
60°	175.8	181.2	160.8	72.2	27.2	73.6	158.0	170.3	167.6
62.5°	147.1	154.0	140.3	64.0	23.2	65.4	133.5	145.8	143.1
65°	122.6	128.1	117.2	54.5	20.4	54.5	110.4	121.3	121.3
67.5°	100.8	104.9	96.7	45.0	17.7	45.0	89.9	99.5	100.8
70°	80.4	83.1	76.3	35.4	15.0	36.8	70.8	80.4	80.4
72.5°	62.7	64.0	59.9	28.6	13.6	28.6	54.5	62.7	62.7
75°	45.0	47.7	45.0	21.8	12.3	21.8	42.2	46.3	47.7
77.5°	25.9	32.7	32.7	17.7	9.5	16.3	30.0	31.3	31.3
80°	17.7	20.4	23.2	12.3	6.8	12.3	19.1	20.4	19.1
82.5°	12.3	13.6	13.6	8.2	5.4	8.2	12.3	13.6	12.3
85°	6.8	9.5	9.5	6.8	4.1	5.4	6.8	8.2	6.8
87.5°	4.1	5.4	6.8	5.4	4.1	4.1	4.1	4.1	2.7
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)