

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: P799585

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDDWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799585  
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 6LBMDDWWMH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

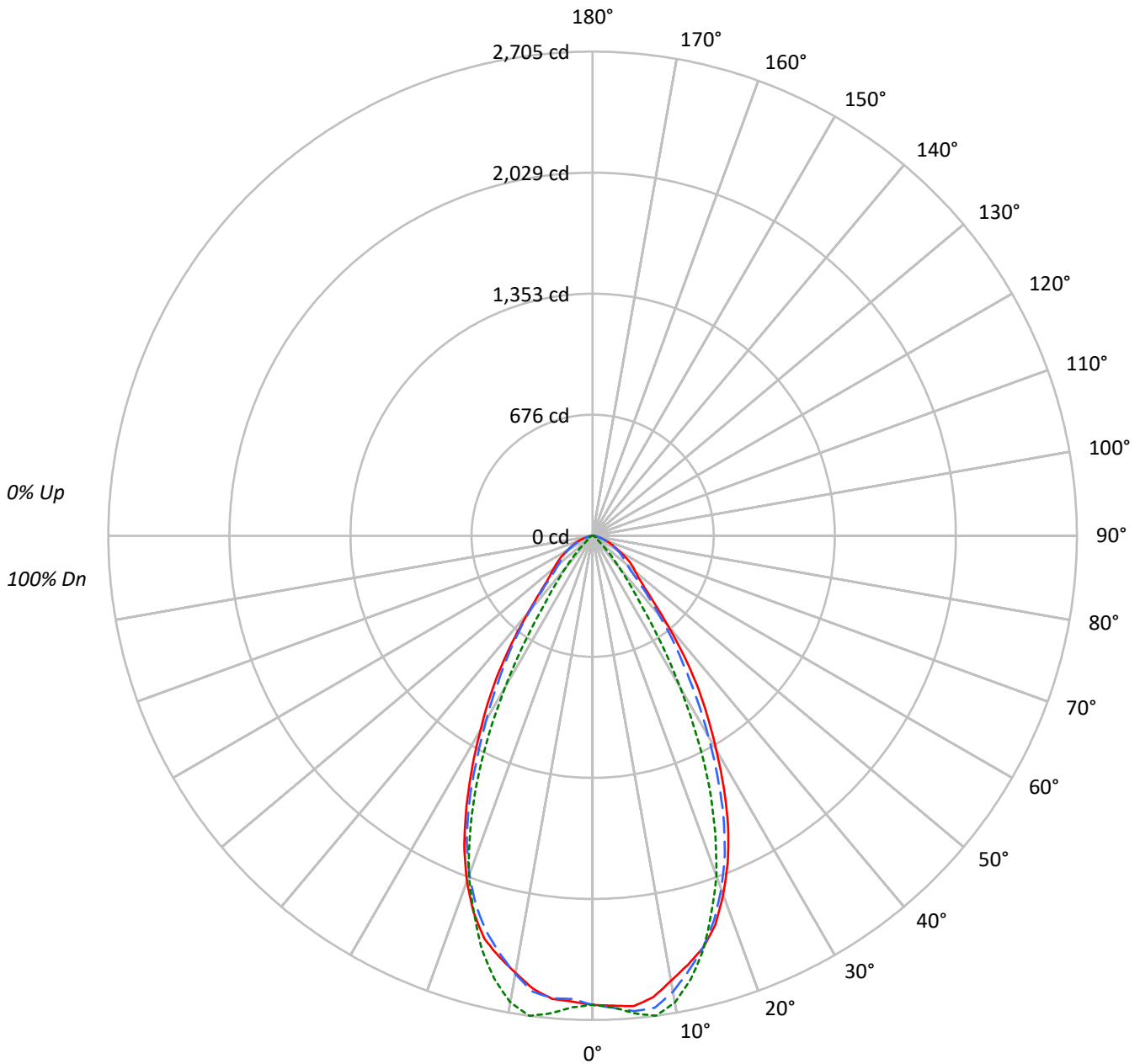
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2668.0 lumens  
Efficiency: N/A  
Efficacy: 84.4 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									
RC	80									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°	143667	143667	143667
5°	145168	147369	142895
10°	140467	147364	138018
15°	135194	135722	132316
20°	124424	117890	119757
25°	108284	92969	100869
30°	87336	61769	79234
35°	67706	31849	59501
40°	46458	16502	40068
45°	31833	8264	28111
50°	26490	3522	24102
55°	23827	3058	21533
60°	18858	2927	17981
65°	15566	2594	15384
70°	12598	2356	12598
75°	9320	2542	9891
80°	5462	2115	5904
85°	4214	2516	4214



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.5	9.4
10°-20°	654.8	24.5
20°-30°	747.4	28.0
30°-40°	495.6	18.6
40°-50°	239.1	9.0
50°-60°	147.1	5.5
60°-70°	89.0	3.3
70°-80°	37.4	1.4
80°-90°	8.3	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°	1651.6	61.9
0°-40°	2147.2	80.5
0°-60°	2533.3	95.0
0°-90°	2668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2668.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2621	2621	2621	2621	2621	
5°	2638	2666	2678	2593	2597	248
15°	2382	2382	2391	2290	2331	664
25°	1790	1730	1537	1626	1668	812
35°	1012	892	476	832	889	626
45°	411	360	107	336	363	335
55°	249	203	32	203	225	219
65°	120	115	20	108	119	120
75°	44	44	12	41	47	47
85°	7	9	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°	2620.7	2620.7	2620.7	2620.7	2620.7	2620.7	2620.7	2620.7	2620.7
2.5°	2627.3	2631.3	2639.3	2640.7	2636.7	2611.3	2590.0	2598.0	2604.7
5°	2638.0	2646.0	2666.0	2684.7	2678.0	2635.3	2592.7	2591.4	2596.7
7.5°	2599.4	2618.0	2659.3	2706.0	2704.7	2631.3	2568.7	2552.7	2552.7
10°	2523.4	2540.7	2586.0	2648.7	2647.3	2555.4	2486.0	2478.0	2479.4
12.5°	2455.4	2463.4	2486.0	2535.4	2535.4	2444.7	2391.4	2399.4	2410.1
15°	2382.1	2387.4	2382.1	2398.1	2391.4	2316.8	2290.1	2315.4	2331.4
17.5°	2278.1	2280.8	2252.8	2231.4	2206.1	2159.5	2166.1	2203.5	2207.4
20°	2132.8	2150.1	2099.5	2044.8	2020.8	1976.8	2014.2	2055.5	2052.8
22.5°	1972.8	1992.8	1927.5	1836.9	1787.6	1770.2	1836.9	1874.2	1872.9
25°	1790.2	1804.9	1730.2	1603.6	1537.0	1534.3	1626.3	1664.9	1667.6
27.5°	1584.9	1590.3	1506.3	1341.0	1258.4	1278.3	1394.3	1447.6	1454.3
30°	1379.7	1377.0	1290.3	1085.1	975.8	1030.4	1186.4	1245.0	1251.7
32.5°	1191.7	1183.7	1085.1	839.8	709.2	790.5	995.8	1057.1	1067.7
35°	1011.7	998.4	891.8	621.2	475.9	597.2	831.8	885.1	889.1
37.5°	823.8	817.1	733.2	465.2	331.9	453.2	678.5	717.2	713.2
40°	649.2	649.2	579.9	345.2	230.6	337.2	537.2	571.9	559.9
42.5°	509.2	515.9	457.2	254.6	164.0	250.6	425.2	457.2	443.9
45°	410.6	410.6	359.9	189.3	106.6	186.6	335.9	365.2	362.6
47.5°	347.9	342.6	291.9	138.6	58.7	140.0	282.6	318.6	317.3
50°	310.6	302.6	250.6	109.3	41.3	116.0	247.9	281.3	282.6
52.5°	281.3	269.3	225.3	97.3	36.0	101.3	225.3	251.9	251.9
55°	249.3	242.6	202.6	86.6	32.0	90.6	202.6	226.6	225.3
57.5°	210.6	209.3	181.3	78.6	29.3	80.0	181.3	196.0	190.6
60°	172.0	177.3	157.3	70.6	26.7	72.0	154.6	166.6	164.0
62.5°	144.0	150.6	137.3	62.7	22.7	64.0	130.6	142.6	140.0
65°	120.0	125.3	114.6	53.3	20.0	53.3	108.0	118.6	118.6
67.5°	98.6	102.6	94.6	44.0	17.3	44.0	88.0	97.3	98.6
70°	78.6	81.3	74.6	34.7	14.7	36.0	69.3	78.6	78.6
72.5°	61.3	62.7	58.7	28.0	13.3	28.0	53.3	61.3	61.3
75°	44.0	46.7	44.0	21.3	12.0	21.3	41.3	45.3	46.7
77.5°	25.3	32.0	32.0	17.3	9.3	16.0	29.3	30.7	30.7
80°	17.3	20.0	22.7	12.0	6.7	12.0	18.7	20.0	18.7
82.5°	12.0	13.3	13.3	8.0	5.3	8.0	12.0	13.3	12.0
85°	6.7	9.3	9.3	6.7	4.0	5.3	6.7	8.0	6.7
87.5°	4.0	5.3	6.7	5.3	4.0	4.0	4.0	4.0	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)