

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: P799547

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDDWMW**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799547  
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 EU6309030 6LBMDDWMW  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

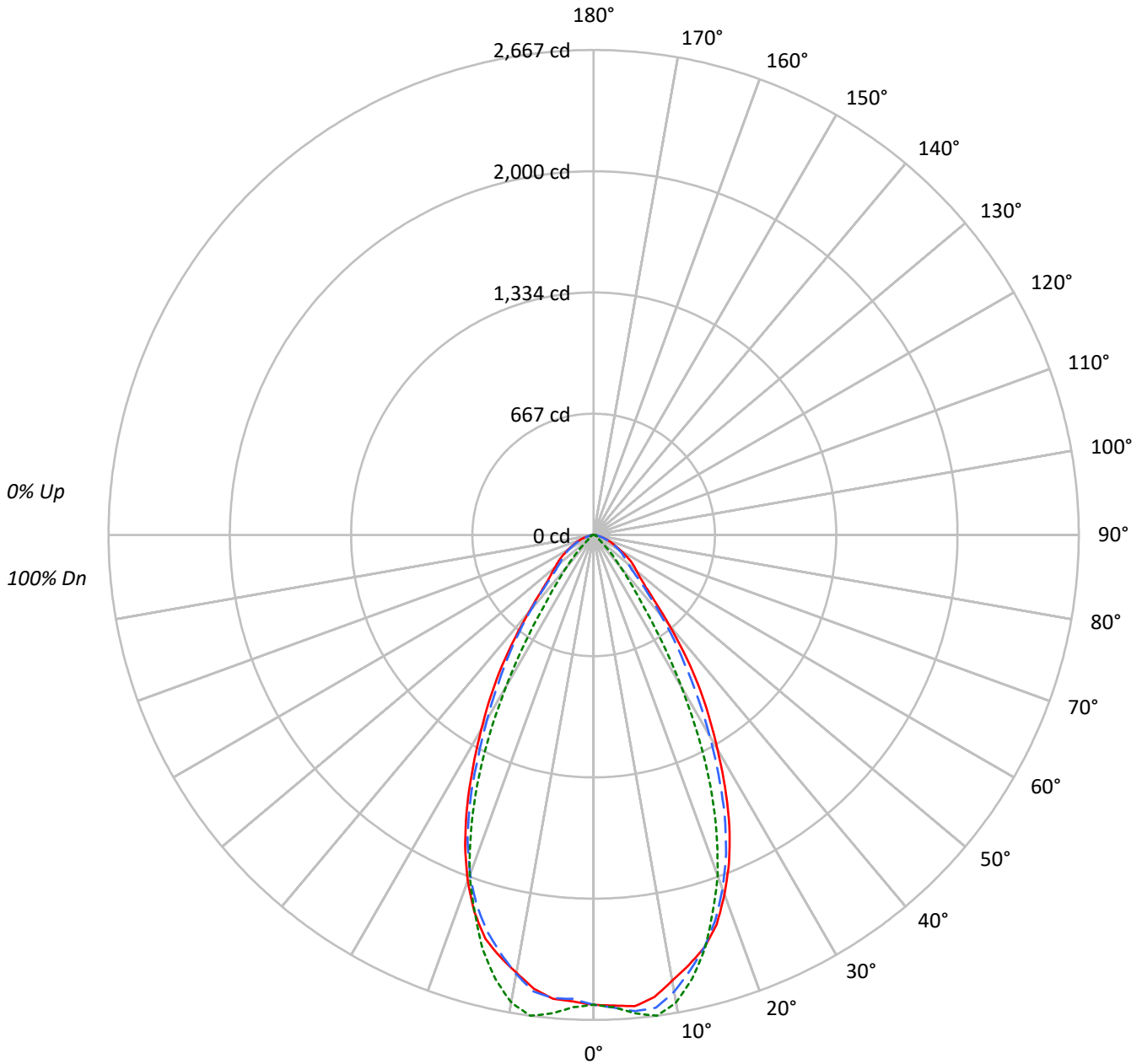
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2631.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 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°	141672	141672	141672
5°	143154	145328	140914
10°	138519	145321	136103
15°	133315	133837	130483
20°	122697	116257	118100
25°	106784	91675	99471
30°	86121	60908	78132
35°	66769	31407	58678
40°	45814	16273	39510
45°	31391	8156	27716
50°	26123	3471	23769
55°	23493	3011	21237
60°	18595	2884	17729
65°	15345	2555	15177
70°	12438	2324	12438
75°	9193	2499	9743
80°	5398	2084	5809
85°	4151	2453	4151



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.0	9.4
10°-20°	645.7	24.5
20°-30°	737.0	28.0
30°-40°	488.8	18.6
40°-50°	235.7	9.0
50°-60°	145.0	5.5
60°-70°	87.8	3.3
70°-80°	36.9	1.4
80°-90°	8.1	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°	1628.7	61.9
0°-40°	2117.4	80.5
0°-60°	2498.2	95.0
0°-90°	2631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2631.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2584	2584	2584	2584	2584	
5°	2601	2629	2641	2557	2561	244
15°	2349	2349	2358	2258	2299	655
25°	1765	1706	1516	1604	1644	801
35°	998	879	469	820	877	617
45°	405	355	105	331	358	330
55°	246	200	32	200	222	216
65°	118	113	20	106	117	119
75°	43	43	12	41	46	46
85°	7	9	4	7	7	8
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°	2584.3	2584.3	2584.3	2584.3	2584.3	2584.3	2584.3	2584.3	2584.3
2.5°	2590.9	2594.9	2602.7	2604.1	2600.1	2575.1	2554.1	2562.0	2568.6
5°	2601.4	2609.3	2629.0	2647.4	2640.9	2598.8	2556.7	2555.4	2560.7
7.5°	2563.3	2581.7	2622.5	2668.5	2667.2	2594.9	2533.1	2517.3	2517.3
10°	2488.4	2505.5	2550.2	2611.9	2610.6	2519.9	2451.6	2443.7	2445.0
12.5°	2421.3	2429.2	2451.6	2500.2	2500.2	2410.8	2358.2	2366.1	2376.6
15°	2349.0	2354.3	2349.0	2364.8	2358.2	2284.6	2258.3	2283.3	2299.1
17.5°	2246.5	2249.1	2221.5	2200.5	2175.5	2129.5	2136.1	2172.9	2176.8
20°	2103.2	2120.3	2070.4	2016.5	1992.8	1949.4	1986.2	2027.0	2024.4
22.5°	1945.5	1965.2	1900.8	1811.4	1762.8	1745.7	1811.4	1848.2	1846.9
25°	1765.4	1779.9	1706.2	1581.4	1515.6	1513.0	1603.7	1641.8	1644.5
27.5°	1563.0	1568.2	1485.4	1322.4	1240.9	1260.6	1375.0	1427.6	1434.1
30°	1360.5	1357.9	1272.5	1070.0	962.2	1016.1	1169.9	1227.8	1234.3
32.5°	1175.2	1167.3	1070.0	828.1	699.3	779.5	981.9	1042.4	1052.9
35°	997.7	984.6	879.4	612.6	469.3	588.9	820.3	872.8	876.8
37.5°	812.4	805.8	723.0	458.8	327.3	446.9	669.1	707.2	703.3
40°	640.2	640.2	571.8	340.5	227.4	332.6	529.7	563.9	552.1
42.5°	502.1	508.7	450.9	251.1	161.7	247.1	419.3	450.9	437.7
45°	404.9	404.9	354.9	186.7	105.2	184.0	331.3	360.2	357.5
47.5°	343.1	337.8	287.9	136.7	57.8	138.0	278.7	314.2	312.9
50°	306.3	298.4	247.1	107.8	40.7	114.4	244.5	277.4	278.7
52.5°	277.4	265.5	222.2	96.0	35.5	99.9	222.2	248.4	248.4
55°	245.8	239.2	199.8	85.4	31.5	89.4	199.8	223.5	222.2
57.5°	207.7	206.4	178.8	77.6	28.9	78.9	178.8	193.2	188.0
60°	169.6	174.8	155.1	69.7	26.3	71.0	152.5	164.3	161.7
62.5°	142.0	148.5	135.4	61.8	22.3	63.1	128.8	140.7	138.0
65°	118.3	123.6	113.0	52.6	19.7	52.6	106.5	117.0	117.0
67.5°	97.3	101.2	93.3	43.4	17.1	43.4	86.8	96.0	97.3
70°	77.6	80.2	73.6	34.2	14.5	35.5	68.4	77.6	77.6
72.5°	60.5	61.8	57.8	27.6	13.1	27.6	52.6	60.5	60.5
75°	43.4	46.0	43.4	21.0	11.8	21.0	40.7	44.7	46.0
77.5°	25.0	31.5	31.5	17.1	9.2	15.8	28.9	30.2	30.2
80°	17.1	19.7	22.3	11.8	6.6	11.8	18.4	19.7	18.4
82.5°	11.8	13.1	13.1	7.9	5.3	7.9	11.8	13.1	11.8
85°	6.6	9.2	9.2	6.6	3.9	5.3	6.6	7.9	6.6
87.5°	3.9	5.3	6.6	5.3	3.9	3.9	3.9	3.9	2.6
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)