

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: P799560

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDDWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799560  
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 6LBMDDWWH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

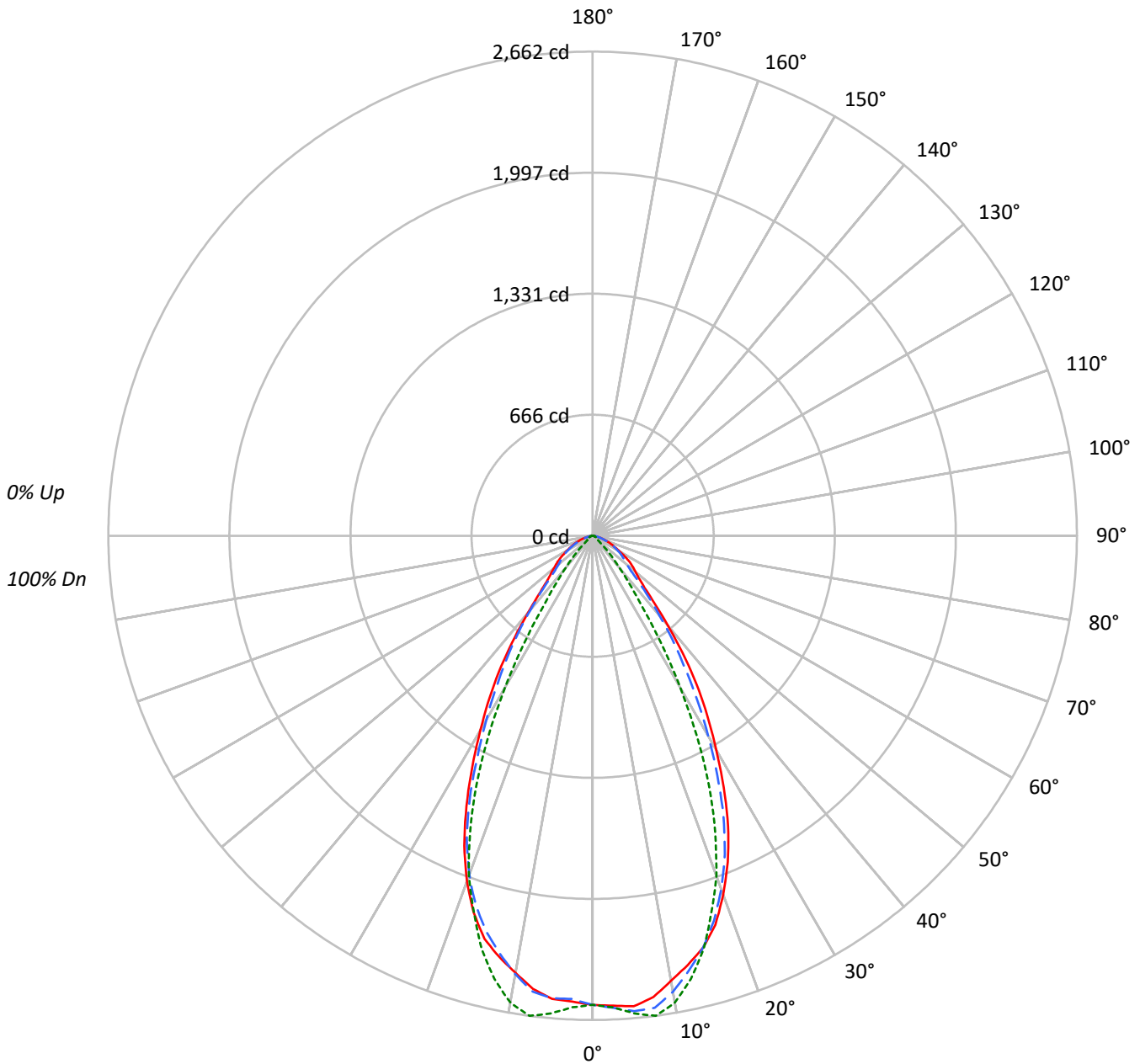
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2626.0 lumens  
Efficiency: N/A  
Efficacy: 83.1 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°	141403	141403	141403
5°	142884	145047	140645
10°	138252	145049	135847
15°	133065	133588	130233
20°	122464	116035	117873
25°	106579	91505	99278
30°	85956	60794	77987
35°	66642	31347	58564
40°	45729	16245	39431
45°	31329	8140	27670
50°	26072	3471	23718
55°	23445	3011	21189
60°	18562	2873	17696
65°	15319	2555	15151
70°	12406	2308	12406
75°	9171	2499	9722
80°	5398	2084	5809
85°	4151	2453	4151



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.5	9.4
10°-20°	644.5	24.5
20°-30°	735.6	28.0
30°-40°	487.8	18.6
40°-50°	235.3	9.0
50°-60°	144.7	5.5
60°-70°	87.6	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°	1625.6	61.9
0°-40°	2113.4	80.5
0°-60°	2493.4	95.0
0°-90°	2626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2626.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2579	2579	2579	2579	2579	
5°	2596	2624	2636	2552	2556	244
15°	2345	2345	2354	2254	2295	653
25°	1762	1703	1513	1601	1641	799
35°	996	878	468	819	875	616
45°	404	354	105	331	357	330
55°	245	199	32	199	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°	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4
2.5°	2586.0	2589.9	2597.8	2599.1	2595.2	2570.2	2549.2	2557.1	2563.7
5°	2596.5	2604.4	2624.0	2642.4	2635.8	2593.9	2551.9	2550.6	2555.8
7.5°	2558.4	2576.8	2617.5	2663.4	2662.1	2589.9	2528.3	2512.5	2512.5
10°	2483.6	2500.7	2545.3	2607.0	2605.7	2515.1	2446.9	2439.0	2440.4
12.5°	2416.7	2424.6	2446.9	2495.5	2495.5	2406.2	2353.8	2361.6	2372.1
15°	2344.6	2349.8	2344.6	2360.3	2353.8	2280.3	2254.0	2279.0	2294.7
17.5°	2242.2	2244.9	2217.3	2196.3	2171.4	2125.5	2132.0	2168.8	2172.7
20°	2099.2	2116.3	2066.4	2012.6	1989.0	1945.7	1982.5	2023.1	2020.5
22.5°	1941.8	1961.5	1897.2	1808.0	1759.4	1742.4	1808.0	1844.7	1843.4
25°	1762.0	1776.5	1703.0	1578.4	1512.8	1510.1	1600.7	1638.7	1641.3
27.5°	1560.0	1565.2	1482.6	1319.9	1238.5	1258.2	1372.4	1424.9	1431.4
30°	1357.9	1355.3	1270.0	1068.0	960.4	1014.2	1167.7	1225.4	1232.0
32.5°	1172.9	1165.1	1068.0	826.6	698.0	778.0	980.1	1040.4	1050.9
35°	995.8	982.7	877.7	611.4	468.4	587.8	818.7	871.2	875.1
37.5°	810.8	804.3	721.6	457.9	326.7	446.1	667.8	705.9	701.9
40°	639.0	639.0	570.7	339.8	227.0	331.9	528.7	562.9	551.0
42.5°	501.2	507.8	450.0	250.6	161.4	246.7	418.5	450.0	436.9
45°	404.1	404.1	354.2	186.3	105.0	183.7	330.6	359.5	356.9
47.5°	342.4	337.2	287.3	136.4	57.7	137.8	278.1	313.6	312.3
50°	305.7	297.8	246.7	107.6	40.7	114.1	244.0	276.8	278.1
52.5°	276.8	265.0	221.7	95.8	35.4	99.7	221.7	248.0	248.0
55°	245.3	238.8	199.4	85.3	31.5	89.2	199.4	223.0	221.7
57.5°	207.3	206.0	178.4	77.4	28.9	78.7	178.4	192.9	187.6
60°	169.3	174.5	154.8	69.5	26.2	70.8	152.2	164.0	161.4
62.5°	141.7	148.3	135.1	61.7	22.3	63.0	128.6	140.4	137.8
65°	118.1	123.3	112.8	52.5	19.7	52.5	106.3	116.8	116.8
67.5°	97.1	101.0	93.2	43.3	17.1	43.3	86.6	95.8	97.1
70°	77.4	80.0	73.5	34.1	14.4	35.4	68.2	77.4	77.4
72.5°	60.4	61.7	57.7	27.6	13.1	27.6	52.5	60.4	60.4
75°	43.3	45.9	43.3	21.0	11.8	21.0	40.7	44.6	45.9
77.5°	24.9	31.5	31.5	17.1	9.2	15.7	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	5.2	7.9	11.8	13.1	11.8
85°	6.6	9.2	9.2	6.6	3.9	5.2	6.6	7.9	6.6
87.5°	3.9	5.2	6.6	5.2	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)