

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: P799590

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDSWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799590  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C30D010 EU6309050 6LBMDSWWH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

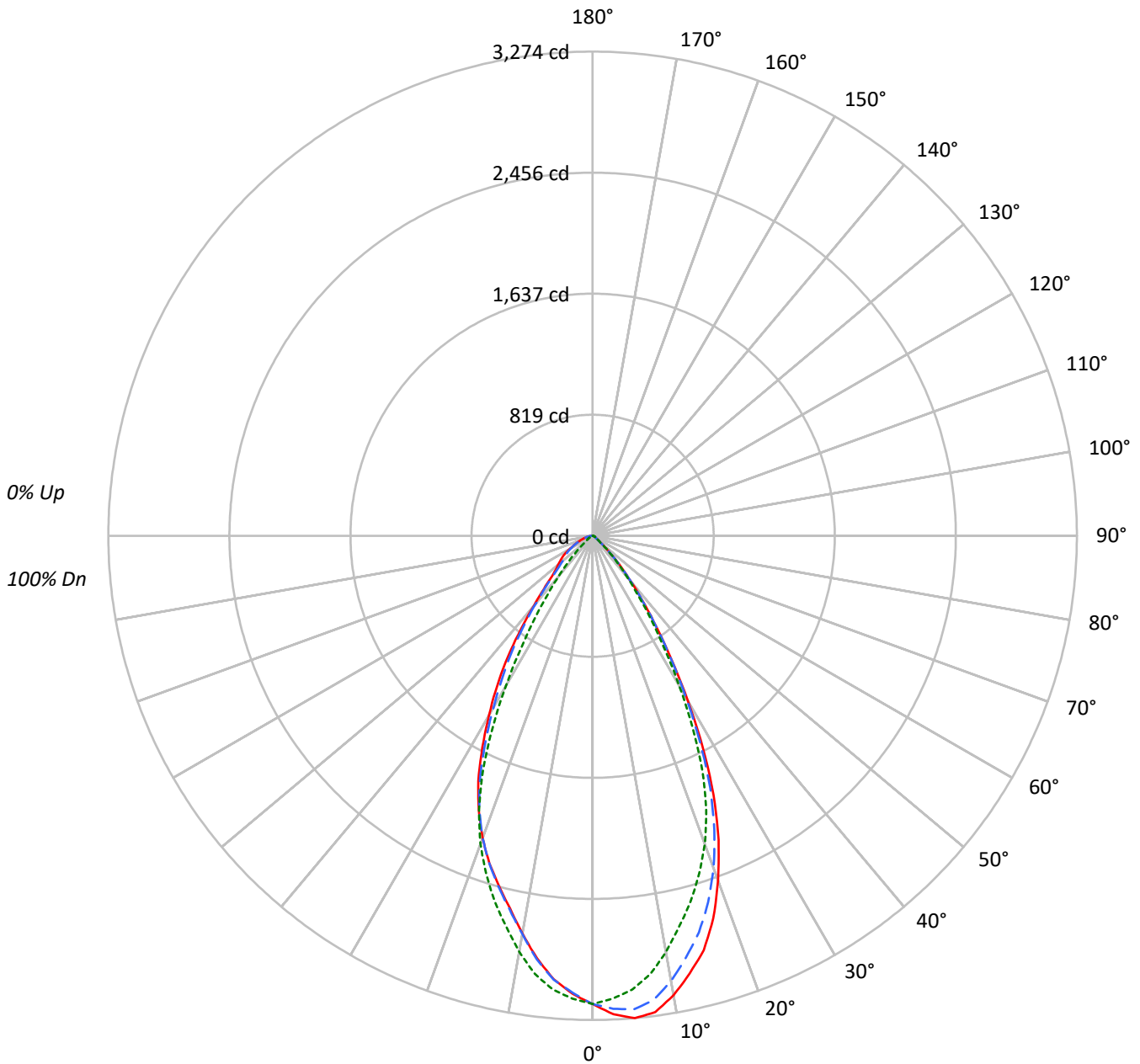
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2726.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
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				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	173572	173572	173572
5°	180172	169502	165667
10°	175565	158987	151996
15°	164655	145273	138996
20°	144551	129330	126863
25°	116910	106252	110631
30°	81278	74011	88539
35°	50092	45340	66823
40°	28346	25412	44376
45°	13769	13133	30290
50°	5245	5245	25748
55°	2877	3393	23760
60°	2094	2697	19472
65°	1777	2309	15942
70°	1539	1971	13143
75°	1440	2033	11289
80°	852	1736	8208
85°	881	3459	7737



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.9	10.6
10°-20°	728.5	26.7
20°-30°	820.1	30.1
30°-40°	507.8	18.6
40°-50°	202.2	7.4
50°-60°	92.1	3.4
60°-70°	52.9	1.9
70°-80°	25.1	0.9
80°-90°	7.3	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°	1838.5	67.4
0°-40°	2346.3	86.1
0°-60°	2640.6	96.9
0°-90°	2726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3166	3166	3166	3166	3166	
5°	3274	3214	3080	3013	3010	308
15°	2901	2776	2560	2456	2449	803
25°	1933	1881	1757	1800	1829	869
35°	748	744	678	944	998	481
45°	178	178	169	369	391	150
55°	30	29	36	218	249	30
65°	14	12	18	122	123	13
75°	7	7	10	52	53	7
85°	1	1	6	12	12	1
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°	3166.2	3166.2	3166.2	3166.2	3166.2	3166.2	3166.2	3166.2	3166.2
2.5°	3238.6	3208.6	3201.7	3175.8	3132.1	3107.5	3092.5	3081.5	3100.6
5°	3274.1	3241.3	3214.0	3160.8	3080.2	3035.1	3013.2	2995.5	3010.5
7.5°	3248.2	3201.7	3164.8	3091.1	2988.6	2919.0	2888.9	2868.4	2882.1
10°	3153.9	3097.9	3055.6	2968.2	2856.1	2772.8	2735.9	2716.8	2730.5
12.5°	3031.0	2984.5	2920.3	2824.7	2704.5	2617.1	2589.8	2574.8	2580.2
15°	2901.2	2846.6	2775.6	2679.9	2559.7	2472.3	2455.9	2446.4	2449.1
17.5°	2712.7	2659.5	2598.0	2505.1	2394.5	2323.4	2323.4	2316.6	2320.7
20°	2477.8	2449.1	2389.0	2311.1	2216.9	2152.7	2173.2	2166.4	2174.6
22.5°	2223.7	2201.9	2150.0	2085.8	2006.5	1956.0	2001.1	1999.7	2010.6
25°	1932.8	1916.4	1880.9	1826.2	1756.6	1725.2	1800.3	1800.3	1829.0
27.5°	1611.8	1595.4	1570.8	1524.4	1467.0	1457.4	1568.1	1581.7	1613.2
30°	1284.0	1273.0	1259.4	1217.0	1169.2	1187.0	1340.0	1363.2	1398.7
32.5°	991.7	984.8	980.7	942.5	900.1	958.9	1133.7	1163.8	1199.3
35°	748.5	733.5	744.4	715.7	677.5	751.3	943.9	969.8	998.5
37.5°	551.8	540.9	550.5	530.0	495.8	576.4	758.1	774.5	793.6
40°	396.1	386.6	394.8	382.5	355.1	430.3	594.2	611.9	620.1
42.5°	281.4	265.0	273.2	263.6	250.0	323.7	467.1	483.5	486.3
45°	177.6	172.1	177.6	172.1	169.4	240.4	368.8	383.8	390.7
47.5°	107.9	101.1	101.1	98.3	101.1	177.6	304.6	326.5	337.4
50°	61.5	58.7	57.4	56.0	61.5	139.3	263.6	288.2	301.9
52.5°	41.0	39.6	39.6	38.2	45.1	117.5	237.7	259.5	273.2
55°	30.1	28.7	28.7	28.7	35.5	101.1	218.5	236.3	248.6
57.5°	23.2	23.2	23.2	21.9	30.1	86.1	195.3	204.9	214.5
60°	19.1	17.8	17.8	17.8	24.6	73.8	168.0	172.1	177.6
62.5°	15.0	15.0	15.0	15.0	20.5	65.6	144.8	144.8	147.5
65°	13.7	12.3	12.3	12.3	17.8	57.4	121.6	120.2	122.9
67.5°	10.9	10.9	10.9	10.9	15.0	49.2	99.7	98.3	101.1
70°	9.6	9.6	9.6	9.6	12.3	41.0	80.6	79.2	82.0
72.5°	8.2	8.2	8.2	8.2	10.9	34.1	64.2	64.2	65.6
75°	6.8	6.8	6.8	6.8	9.6	26.0	51.9	51.9	53.3
77.5°	5.5	5.5	5.5	5.5	6.8	20.5	39.6	38.2	38.2
80°	2.7	4.1	4.1	4.1	5.5	15.0	28.7	26.0	26.0
82.5°	1.4	2.7	2.7	2.7	5.5	10.9	19.1	17.8	17.8
85°	1.4	1.4	1.4	4.1	5.5	8.2	12.3	12.3	12.3
87.5°	0.0	1.4	2.7	5.5	6.8	6.8	8.2	6.8	6.8
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)