

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: P799540

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDSWLI**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799540  
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 EU6309027 6LBMDSWLI  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

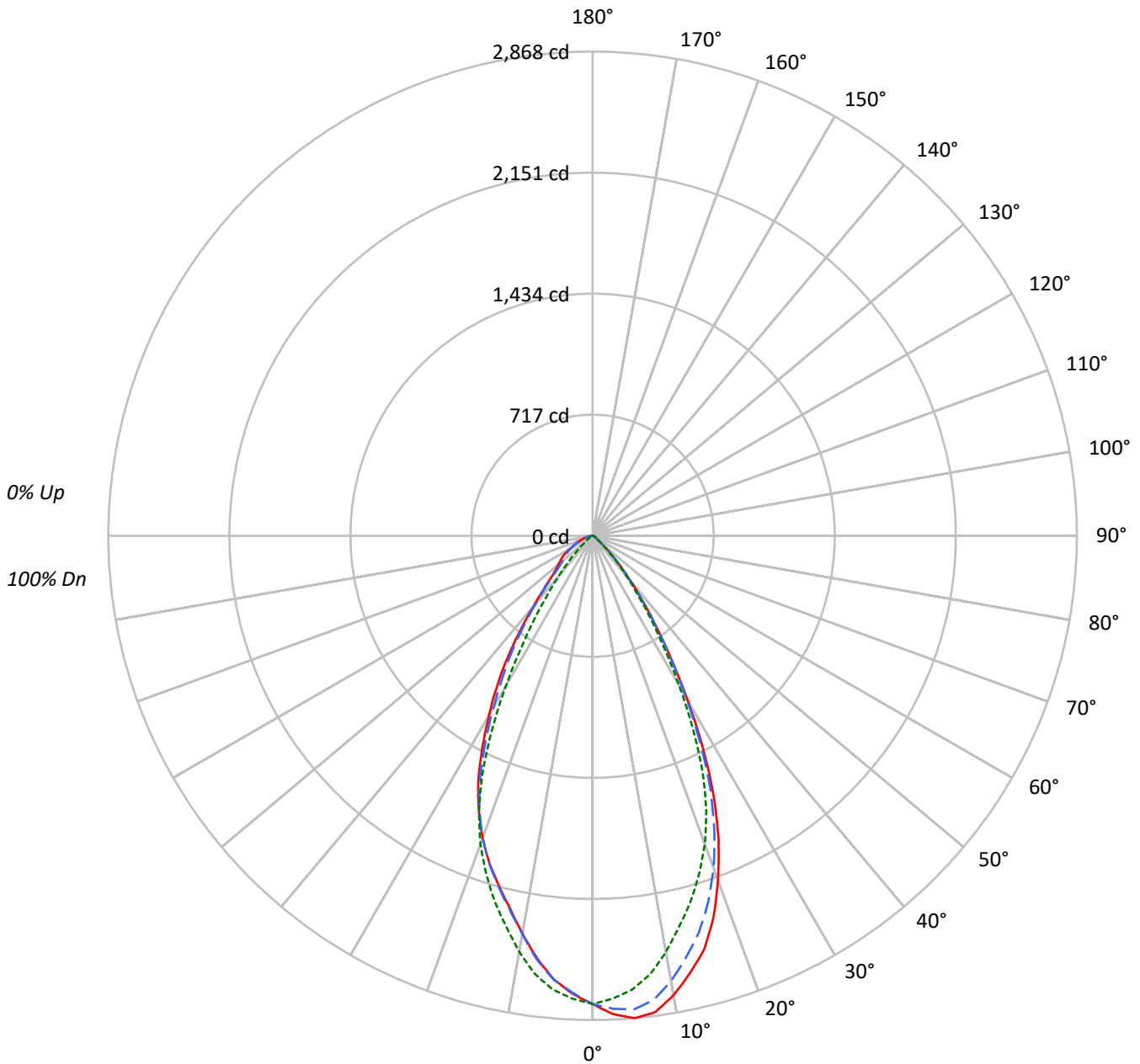
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2388.0 lumens  
Efficiency: N/A  
Efficacy: 75.6 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	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	57	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°	152049	152049	152049
5°	157836	148481	145124
10°	153799	139276	133147
15°	144240	127265	121760
20°	126629	113293	111129
25°	102411	93078	96913
30°	71201	64839	77563
35°	43881	39719	58538
40°	24832	22263	38873
45°	12063	11505	26530
50°	4588	4588	22549
55°	2514	2972	20816
60°	1842	2357	17060
65°	1557	2024	13970
70°	1346	1731	11508
75°	1271	1779	9891
80°	758	1515	7166
85°	755	3019	6793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.9	10.6
10°-20°	638.2	26.7
20°-30°	718.4	30.1
30°-40°	444.9	18.6
40°-50°	177.2	7.4
50°-60°	80.6	3.4
60°-70°	46.4	1.9
70°-80°	22.0	0.9
80°-90°	6.4	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°	1610.5	67.4
0°-40°	2055.4	86.1
0°-60°	2313.2	96.9
0°-90°	2388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2388.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2774	2774	2774	2774	2774	
5°	2868	2816	2698	2640	2637	270
15°	2542	2431	2242	2151	2145	703
25°	1693	1648	1539	1577	1602	761
35°	656	652	594	827	875	421
45°	156	156	148	323	342	132
55°	26	25	31	191	218	26
65°	12	11	16	106	108	12
75°	6	6	8	46	47	6
85°	1	1	5	11	11	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°	2773.6	2773.6	2773.6	2773.6	2773.6	2773.6	2773.6	2773.6	2773.6
2.5°	2837.0	2810.7	2804.7	2782.0	2743.7	2722.2	2709.0	2699.4	2716.2
5°	2868.2	2839.4	2815.5	2768.8	2698.2	2658.8	2639.6	2624.1	2637.2
7.5°	2845.4	2804.7	2772.4	2707.8	2618.1	2557.1	2530.7	2512.8	2524.7
10°	2762.9	2713.8	2676.7	2600.1	2502.0	2429.0	2396.7	2380.0	2391.9
12.5°	2655.2	2614.5	2558.3	2474.5	2369.2	2292.6	2268.7	2255.5	2260.3
15°	2541.5	2493.6	2431.4	2347.7	2242.4	2165.8	2151.4	2143.0	2145.4
17.5°	2376.4	2329.7	2275.9	2194.5	2097.6	2035.4	2035.4	2029.4	2033.0
20°	2170.6	2145.4	2092.8	2024.6	1942.0	1885.8	1903.7	1897.7	1904.9
22.5°	1948.0	1928.9	1883.4	1827.2	1757.8	1713.5	1753.0	1751.8	1761.3
25°	1693.1	1678.8	1647.7	1599.8	1538.8	1511.3	1577.1	1577.1	1602.2
27.5°	1411.9	1397.6	1376.0	1335.4	1285.1	1276.7	1373.7	1385.6	1413.1
30°	1124.8	1115.2	1103.2	1066.1	1024.3	1039.8	1173.8	1194.2	1225.3
32.5°	868.7	862.7	859.1	825.6	788.5	840.0	993.1	1019.5	1050.6
35°	655.7	642.6	652.1	627.0	593.5	658.1	826.8	849.6	874.7
37.5°	483.4	473.8	482.2	464.3	434.4	504.9	664.1	678.5	695.2
40°	347.0	338.6	345.8	335.0	311.1	376.9	520.5	536.1	543.2
42.5°	246.5	232.1	239.3	230.9	219.0	283.6	409.2	423.6	426.0
45°	155.6	150.8	155.6	150.8	148.4	210.6	323.1	336.2	342.2
47.5°	94.5	88.5	88.5	86.2	88.5	155.6	266.8	286.0	295.6
50°	53.8	51.5	50.3	49.1	53.8	122.0	230.9	252.5	264.4
52.5°	35.9	34.7	34.7	33.5	39.5	102.9	208.2	227.3	239.3
55°	26.3	25.1	25.1	25.1	31.1	88.5	191.4	207.0	217.8
57.5°	20.3	20.3	20.3	19.1	26.3	75.4	171.1	179.5	187.9
60°	16.8	15.6	15.6	15.6	21.5	64.6	147.2	150.8	155.6
62.5°	13.2	13.2	13.2	13.2	17.9	57.4	126.8	126.8	129.2
65°	12.0	10.8	10.8	10.8	15.6	50.3	106.5	105.3	107.7
67.5°	9.6	9.6	9.6	9.6	13.2	43.1	87.3	86.2	88.5
70°	8.4	8.4	8.4	8.4	10.8	35.9	70.6	69.4	71.8
72.5°	7.2	7.2	7.2	7.2	9.6	29.9	56.2	56.2	57.4
75°	6.0	6.0	6.0	6.0	8.4	22.7	45.5	45.5	46.7
77.5°	4.8	4.8	4.8	4.8	6.0	17.9	34.7	33.5	33.5
80°	2.4	3.6	3.6	3.6	4.8	13.2	25.1	22.7	22.7
82.5°	1.2	2.4	2.4	2.4	4.8	9.6	16.8	15.6	15.6
85°	1.2	1.2	1.2	3.6	4.8	7.2	10.8	10.8	10.8
87.5°	0.0	1.2	2.4	4.8	6.0	6.0	7.2	6.0	6.0
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)