

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: P799573

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDDWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799573  
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 EU6309040 6LBMDDWWMH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

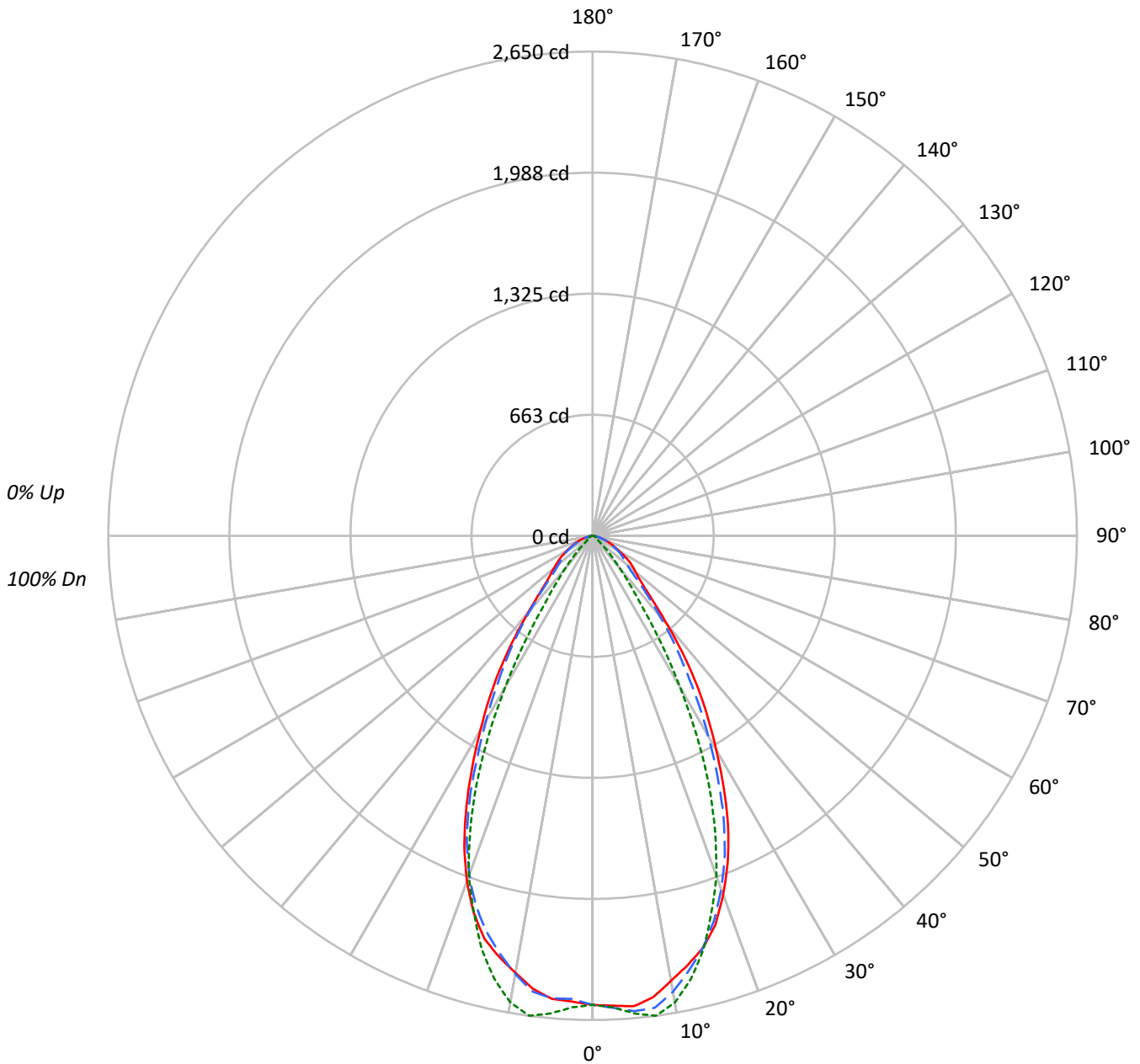
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2614.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 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°	140756	140756	140756
5°	142229	144387	140001
10°	137623	144386	135224
15°	132458	132975	129638
20°	121904	115504	117336
25°	106095	91082	98824
30°	85564	60516	77632
35°	66341	31200	58297
40°	45514	16166	39252
45°	31189	8102	27538
50°	25952	3454	23615
55°	23340	2992	21094
60°	18474	2862	17608
65°	15242	2542	15073
70°	12358	2308	12358
75°	9129	2499	9680
80°	5367	2052	5777
85°	4088	2453	4088



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.4	9.4
10°-20°	641.5	24.5
20°-30°	732.2	28.0
30°-40°	485.6	18.6
40°-50°	234.2	9.0
50°-60°	144.1	5.5
60°-70°	87.2	3.3
70°-80°	36.7	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°	1618.2	61.9
0°-40°	2103.8	80.5
0°-60°	2482.0	95.0
0°-90°	2614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2568	2568	2568	2568	2568	
5°	2585	2612	2624	2540	2544	243
15°	2334	2334	2343	2244	2284	650
25°	1754	1695	1506	1593	1634	795
35°	991	874	466	815	871	613
45°	402	353	104	329	355	328
55°	244	198	31	198	221	215
65°	118	112	20	106	116	118
75°	43	43	12	40	46	46
85°	6	9	4	6	6	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°	2567.6	2567.6	2567.6	2567.6	2567.6	2567.6	2567.6	2567.6	2567.6
2.5°	2574.2	2578.1	2585.9	2587.2	2583.3	2558.5	2537.6	2545.4	2552.0
5°	2584.6	2592.5	2612.0	2630.3	2623.8	2582.0	2540.2	2538.9	2544.1
7.5°	2546.7	2565.0	2605.5	2651.2	2649.9	2578.1	2516.7	2501.0	2501.0
10°	2472.3	2489.3	2533.7	2595.1	2593.8	2503.6	2435.7	2427.9	2429.2
12.5°	2405.7	2413.5	2435.7	2484.1	2484.1	2395.2	2343.0	2350.8	2361.3
15°	2333.9	2339.1	2333.9	2349.5	2343.0	2269.9	2243.7	2268.6	2284.2
17.5°	2232.0	2234.6	2207.2	2186.3	2161.5	2115.8	2122.3	2158.9	2162.8
20°	2089.6	2106.6	2057.0	2003.4	1979.9	1936.8	1973.4	2013.9	2011.3
22.5°	1932.9	1952.5	1888.5	1799.7	1751.4	1734.4	1799.7	1836.3	1835.0
25°	1754.0	1768.4	1695.2	1571.1	1505.8	1503.2	1593.3	1631.2	1633.8
27.5°	1552.9	1558.1	1475.8	1313.9	1232.9	1252.5	1366.1	1418.3	1424.9
30°	1351.7	1349.1	1264.2	1063.1	956.0	1009.6	1162.4	1219.8	1226.4
32.5°	1167.6	1159.7	1063.1	822.8	694.8	774.5	975.6	1035.7	1046.1
35°	991.3	978.2	873.7	608.6	466.2	585.1	815.0	867.2	871.1
37.5°	807.1	800.6	718.3	455.8	325.2	444.0	664.8	702.6	698.7
40°	636.0	636.0	568.1	338.3	225.9	330.4	526.3	560.3	548.5
42.5°	498.9	505.4	448.0	249.5	160.6	245.5	416.6	448.0	434.9
45°	402.3	402.3	352.6	185.5	104.5	182.8	329.1	357.8	355.2
47.5°	340.9	335.6	286.0	135.8	57.5	137.1	276.9	312.1	310.8
50°	304.3	296.5	245.5	107.1	40.5	113.6	242.9	275.6	276.9
52.5°	275.6	263.8	220.7	95.3	35.3	99.3	220.7	246.8	246.8
55°	244.2	237.7	198.5	84.9	31.3	88.8	198.5	222.0	220.7
57.5°	206.4	205.0	177.6	77.1	28.7	78.4	177.6	192.0	186.8
60°	168.5	173.7	154.1	69.2	26.1	70.5	151.5	163.3	160.6
62.5°	141.1	147.6	134.5	61.4	22.2	62.7	128.0	139.7	137.1
65°	117.5	122.8	112.3	52.2	19.6	52.2	105.8	116.2	116.2
67.5°	96.6	100.6	92.7	43.1	17.0	43.1	86.2	95.3	96.6
70°	77.1	79.7	73.1	34.0	14.4	35.3	67.9	77.1	77.1
72.5°	60.1	61.4	57.5	27.4	13.1	27.4	52.2	60.1	60.1
75°	43.1	45.7	43.1	20.9	11.8	20.9	40.5	44.4	45.7
77.5°	24.8	31.3	31.3	17.0	9.1	15.7	28.7	30.0	30.0
80°	17.0	19.6	22.2	11.8	6.5	11.8	18.3	19.6	18.3
82.5°	11.8	13.1	13.1	7.8	5.2	7.8	11.8	13.1	11.8
85°	6.5	9.1	9.1	6.5	3.9	5.2	6.5	7.8	6.5
87.5°	3.9	5.2	6.5	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)