

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: P799571

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDDWMW**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799571  
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 6LBMDDWMW  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

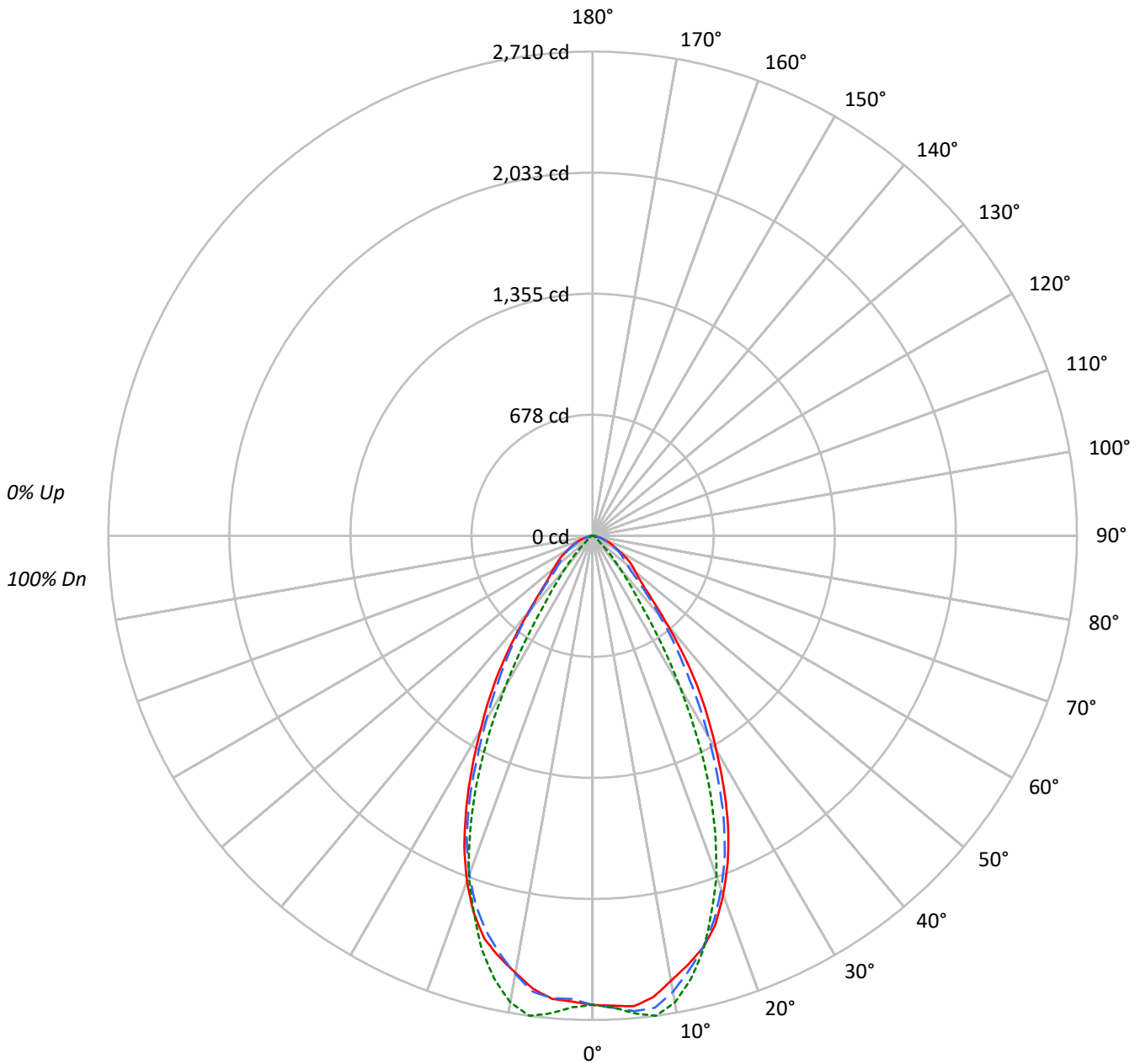
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2673.0 lumens  
Efficiency: N/A  
Efficacy: 84.6 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
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°	143936	143936	143936
5°	145443	147644	143165
10°	140729	147643	138274
15°	135443	135977	132566
20°	124658	118112	119985
25°	108490	93138	101056
30°	87494	61883	79379
35°	67833	31909	59615
40°	46544	16531	40139
45°	31887	8280	28166
50°	26541	3531	24144
55°	23865	3068	21572
60°	18891	2927	18014
65°	15592	2594	15423
70°	12630	2356	12630
75°	9341	2542	9891
80°	5493	2115	5904
85°	4214	2516	4214



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.9	9.4
10°-20°	656.0	24.5
20°-30°	748.8	28.0
30°-40°	496.6	18.6
40°-50°	239.5	9.0
50°-60°	147.3	5.5
60°-70°	89.1	3.3
70°-80°	37.5	1.4
80°-90°	8.3	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°	1654.7	61.9
0°-40°	2151.2	80.5
0°-60°	2538.1	95.0
0°-90°	2673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2673.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2626	2626	2626	2626	2626	
5°	2643	2671	2683	2598	2602	248
15°	2386	2386	2396	2294	2336	665
25°	1794	1734	1540	1629	1671	813
35°	1014	893	477	833	891	627
45°	411	361	107	336	363	335
55°	250	203	32	203	226	220
65°	120	115	20	108	119	121
75°	44	44	12	41	47	47
85°	7	9	4	7	7	9
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°	2625.6	2625.6	2625.6	2625.6	2625.6	2625.6	2625.6	2625.6	2625.6
2.5°	2632.3	2636.3	2644.3	2645.6	2641.6	2616.2	2594.9	2602.9	2609.6
5°	2643.0	2651.0	2671.0	2689.7	2683.0	2640.3	2597.5	2596.2	2601.6
7.5°	2604.2	2622.9	2664.3	2711.1	2709.7	2636.3	2573.5	2557.5	2557.5
10°	2528.1	2545.5	2590.9	2653.6	2652.3	2560.2	2490.7	2482.7	2484.0
12.5°	2460.0	2468.0	2490.7	2540.1	2540.1	2449.3	2395.9	2403.9	2414.6
15°	2386.5	2391.9	2386.5	2402.6	2395.9	2321.1	2294.4	2319.8	2335.8
17.5°	2282.4	2285.0	2257.0	2235.6	2210.3	2163.5	2170.2	2207.6	2211.6
20°	2136.8	2154.2	2103.4	2048.7	2024.6	1980.5	2017.9	2059.3	2056.7
22.5°	1976.5	1996.6	1931.1	1840.3	1790.9	1773.5	1840.3	1877.7	1876.4
25°	1793.6	1808.3	1733.5	1606.6	1539.8	1537.2	1629.3	1668.0	1670.7
27.5°	1587.9	1593.3	1509.1	1343.5	1260.7	1280.7	1396.9	1450.4	1457.0
30°	1382.2	1379.6	1292.8	1087.1	977.6	1032.3	1188.6	1247.4	1254.0
32.5°	1193.9	1185.9	1087.1	841.4	710.5	792.0	997.6	1059.1	1069.7
35°	1013.6	1000.3	893.4	622.3	476.8	598.3	833.4	886.8	890.8
37.5°	825.3	818.7	734.5	466.1	332.5	454.1	679.8	718.5	714.5
40°	650.4	650.4	580.9	345.9	231.0	337.9	538.2	572.9	560.9
42.5°	510.2	516.8	458.1	255.1	164.3	251.1	426.0	458.1	444.7
45°	411.3	411.3	360.6	189.6	106.8	187.0	336.5	365.9	363.3
47.5°	348.6	343.2	292.5	138.9	58.8	140.2	283.1	319.2	317.8
50°	311.2	303.2	251.1	109.5	41.4	116.2	248.4	281.8	283.1
52.5°	281.8	269.8	225.7	97.5	36.1	101.5	225.7	252.4	252.4
55°	249.7	243.1	203.0	86.8	32.1	90.8	203.0	227.0	225.7
57.5°	211.0	209.7	181.6	78.8	29.4	80.1	181.6	196.3	191.0
60°	172.3	177.6	157.6	70.8	26.7	72.1	154.9	166.9	164.3
62.5°	144.2	150.9	137.6	62.8	22.7	64.1	130.9	142.9	140.2
65°	120.2	125.5	114.9	53.4	20.0	53.4	108.2	118.9	118.9
67.5°	98.8	102.8	94.8	44.1	17.4	44.1	88.1	97.5	98.8
70°	78.8	81.5	74.8	34.7	14.7	36.1	69.4	78.8	78.8
72.5°	61.4	62.8	58.8	28.0	13.4	28.0	53.4	61.4	61.4
75°	44.1	46.7	44.1	21.4	12.0	21.4	41.4	45.4	46.7
77.5°	25.4	32.1	32.1	17.4	9.3	16.0	29.4	30.7	30.7
80°	17.4	20.0	22.7	12.0	6.7	12.0	18.7	20.0	18.7
82.5°	12.0	13.4	13.4	8.0	5.3	8.0	12.0	13.4	12.0
85°	6.7	9.3	9.3	6.7	4.0	5.3	6.7	8.0	6.7
87.5°	4.0	5.3	6.7	5.3	4.0	4.0	4.0	4.0	2.7
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)