

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: P799541

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDSWMW**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799541  
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 6LBMDSWMW  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

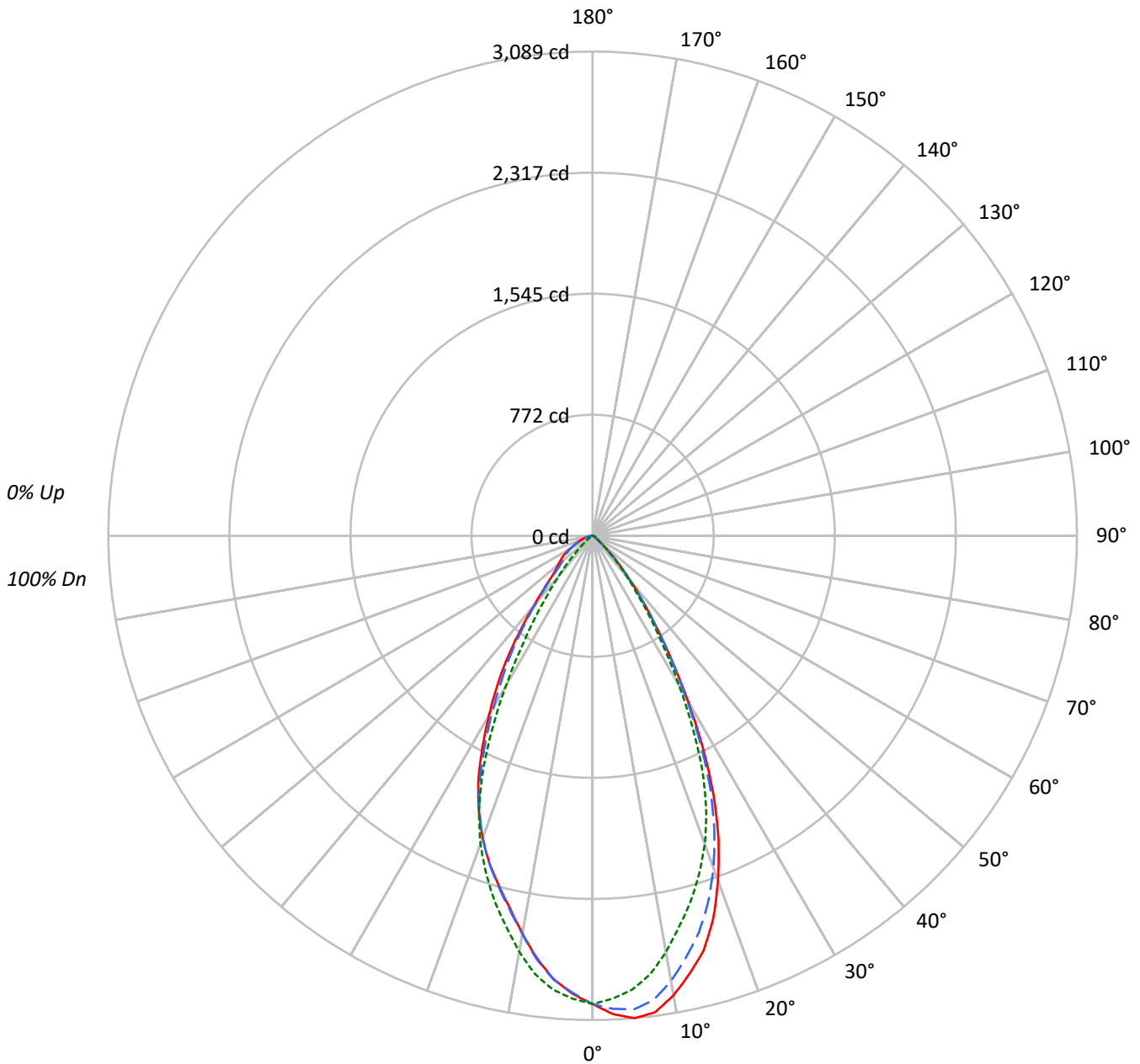
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2572.0 lumens  
Efficiency: N/A  
Efficacy: 81.4 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	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°	163764	163764	163764
5°	169997	159927	156306
10°	165645	150008	143406
15°	155353	137067	131142
20°	136384	122026	119693
25°	110305	100246	104377
30°	76683	69834	83538
35°	47261	42777	63048
40°	26743	23981	41871
45°	12986	12389	28577
50°	4947	4947	24289
55°	2714	3202	22422
60°	1974	2544	18365
65°	1673	2179	15047
70°	1443	1859	12390
75°	1356	1906	10654
80°	821	1642	7735
85°	818	3271	7296



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.5	10.6
10°-20°	687.4	26.7
20°-30°	773.8	30.1
30°-40°	479.1	18.6
40°-50°	190.8	7.4
50°-60°	86.9	3.4
60°-70°	49.9	1.9
70°-80°	23.7	0.9
80°-90°	6.9	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°	1734.6	67.4
0°-40°	2213.8	86.1
0°-60°	2491.4	96.9
0°-90°	2572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2572.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2987	2987	2987	2987	2987	
5°	3089	3032	2906	2843	2840	291
15°	2737	2619	2415	2317	2311	757
25°	1824	1775	1657	1699	1726	820
35°	706	702	639	890	942	454
45°	168	168	160	348	369	142
55°	28	27	34	206	235	28
65°	13	12	17	115	116	13
75°	6	6	9	49	50	7
85°	1	1	5	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°	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3	2987.3
2.5°	3055.6	3027.3	3020.9	2996.4	2955.1	2931.9	2917.8	2907.4	2925.5
5°	3089.2	3058.2	3032.5	2982.2	2906.2	2863.6	2843.0	2826.3	2840.4
7.5°	3064.7	3020.9	2986.1	2916.5	2819.8	2754.1	2725.7	2706.4	2719.3
10°	2975.7	2922.9	2883.0	2800.5	2694.8	2616.2	2581.4	2563.3	2576.2
12.5°	2859.8	2815.9	2755.4	2665.2	2551.7	2469.3	2443.5	2429.3	2434.5
15°	2737.3	2685.8	2618.8	2528.5	2415.1	2332.7	2317.2	2308.2	2310.7
17.5°	2559.5	2509.2	2451.2	2363.6	2259.2	2192.2	2192.2	2185.7	2189.6
20°	2337.8	2310.7	2254.0	2180.6	2091.7	2031.1	2050.4	2044.0	2051.7
22.5°	2098.1	2077.5	2028.5	1967.9	1893.2	1845.5	1888.0	1886.7	1897.1
25°	1823.6	1808.1	1774.6	1723.1	1657.3	1627.7	1698.6	1698.6	1725.6
27.5°	1520.7	1505.3	1482.1	1438.3	1384.1	1375.1	1479.5	1492.4	1522.0
30°	1211.4	1201.1	1188.2	1148.3	1103.2	1119.9	1264.3	1286.2	1319.7
32.5°	935.6	929.2	925.3	889.2	849.3	904.7	1069.7	1098.0	1131.5
35°	706.2	692.1	702.4	675.3	639.2	708.8	890.5	915.0	942.1
37.5°	520.7	510.3	519.4	500.0	467.8	543.9	715.3	730.7	748.8
40°	373.7	364.7	372.5	360.9	335.1	406.0	560.6	577.4	585.1
42.5°	265.5	250.0	257.8	248.7	235.8	305.4	440.8	456.2	458.8
45°	167.5	162.4	167.5	162.4	159.8	226.8	348.0	362.1	368.6
47.5°	101.8	95.4	95.4	92.8	95.4	167.5	287.4	308.0	318.3
50°	58.0	55.4	54.1	52.8	58.0	131.5	248.7	271.9	284.8
52.5°	38.7	37.4	37.4	36.1	42.5	110.8	224.2	244.9	257.8
55°	28.4	27.1	27.1	27.1	33.5	95.4	206.2	223.0	234.6
57.5°	21.9	21.9	21.9	20.6	28.4	81.2	184.3	193.3	202.3
60°	18.0	16.8	16.8	16.8	23.2	69.6	158.5	162.4	167.5
62.5°	14.2	14.2	14.2	14.2	19.3	61.9	136.6	136.6	139.2
65°	12.9	11.6	11.6	11.6	16.8	54.1	114.7	113.4	116.0
67.5°	10.3	10.3	10.3	10.3	14.2	46.4	94.1	92.8	95.4
70°	9.0	9.0	9.0	9.0	11.6	38.7	76.0	74.7	77.3
72.5°	7.7	7.7	7.7	7.7	10.3	32.2	60.6	60.6	61.9
75°	6.4	6.4	6.4	6.4	9.0	24.5	49.0	49.0	50.3
77.5°	5.2	5.2	5.2	5.2	6.4	19.3	37.4	36.1	36.1
80°	2.6	3.9	3.9	3.9	5.2	14.2	27.1	24.5	24.5
82.5°	1.3	2.6	2.6	2.6	5.2	10.3	18.0	16.8	16.8
85°	1.3	1.3	1.3	3.9	5.2	7.7	11.6	11.6	11.6
87.5°	0.0	1.3	2.6	5.2	6.4	6.4	7.7	6.4	6.4
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)