

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: P799591

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDSWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799591  
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 6LBMDSWWMH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

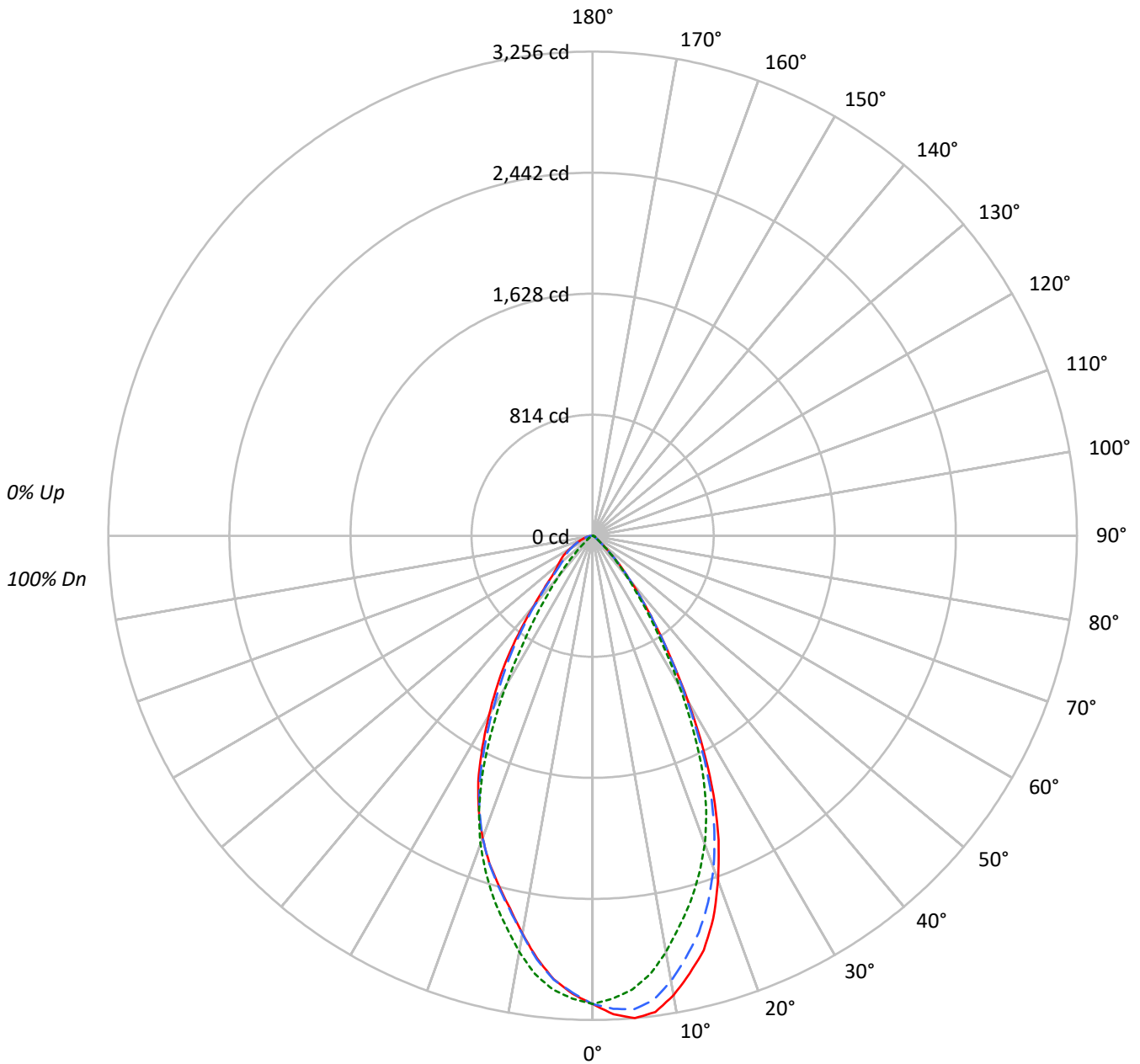
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2711.0 lumens  
Efficiency: N/A  
Efficacy: 85.8 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°	172618	172618	172618
5°	179182	168567	164753
10°	174602	158113	151161
15°	163752	144479	138230
20°	143757	128619	126163
25°	116263	105665	110020
30°	80829	73606	88052
35°	49818	45093	66455
40°	28189	25276	44133
45°	13691	13056	30119
50°	5211	5211	25603
55°	2858	3374	23626
60°	2083	2686	19362
65°	1764	2296	15864
70°	1523	1955	13063
75°	1440	2012	11226
80°	852	1705	8145
85°	881	3397	7674



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.3	10.6
10°-20°	724.5	26.7
20°-30°	815.6	30.1
30°-40°	505.0	18.6
40°-50°	201.1	7.4
50°-60°	91.6	3.4
60°-70°	52.6	1.9
70°-80°	25.0	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°	1828.4	67.4
0°-40°	2333.4	86.1
0°-60°	2626.1	96.9
0°-90°	2711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2711.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3149	3149	3149	3149	3149	
5°	3256	3196	3063	2997	2994	307
15°	2885	2760	2546	2442	2436	798
25°	1922	1870	1747	1790	1819	864
35°	744	740	674	939	993	478
45°	177	177	168	367	388	150
55°	30	28	35	217	247	30
65°	14	12	18	121	122	13
75°	7	7	10	52	53	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°	3148.8	3148.8	3148.8	3148.8	3148.8	3148.8	3148.8	3148.8	3148.8
2.5°	3220.8	3190.9	3184.1	3158.3	3114.8	3090.4	3075.4	3064.6	3083.6
5°	3256.1	3223.5	3196.3	3143.4	3063.2	3018.4	2996.7	2979.0	2993.9
7.5°	3230.3	3184.1	3147.4	3074.1	2972.2	2902.9	2873.0	2852.7	2866.2
10°	3136.6	3080.9	3038.8	2951.8	2840.4	2757.6	2720.9	2701.9	2715.5
12.5°	3014.3	2968.1	2904.3	2809.2	2689.6	2602.7	2575.5	2560.6	2566.0
15°	2885.3	2830.9	2760.3	2665.2	2545.7	2458.7	2442.4	2432.9	2435.6
17.5°	2697.8	2644.8	2583.7	2491.3	2381.3	2310.7	2310.7	2303.9	2307.9
20°	2464.2	2435.6	2375.9	2298.4	2204.7	2140.9	2161.2	2154.4	2162.6
22.5°	2211.5	2189.8	2138.1	2074.3	1995.5	1945.2	1990.1	1988.7	1999.6
25°	1922.1	1905.8	1870.5	1816.2	1746.9	1715.7	1790.4	1790.4	1818.9
27.5°	1602.9	1586.6	1562.2	1516.0	1458.9	1449.4	1559.5	1573.0	1604.3
30°	1276.9	1266.0	1252.5	1210.3	1162.8	1180.5	1332.6	1355.7	1391.0
32.5°	986.2	979.4	975.3	937.3	895.2	953.6	1127.5	1157.4	1192.7
35°	744.4	729.5	740.3	711.8	673.8	747.1	938.7	964.5	993.0
37.5°	548.8	537.9	547.4	527.1	493.1	573.2	753.9	770.2	789.2
40°	393.9	384.4	392.6	380.4	353.2	427.9	590.9	608.6	616.7
42.5°	279.8	263.5	271.7	262.2	248.6	321.9	464.6	480.9	483.6
45°	176.6	171.2	176.6	171.2	168.4	239.1	366.8	381.7	388.5
47.5°	107.3	100.5	100.5	97.8	100.5	176.6	302.9	324.7	335.5
50°	61.1	58.4	57.1	55.7	61.1	138.6	262.2	286.6	300.2
52.5°	40.8	39.4	39.4	38.0	44.8	116.8	236.4	258.1	271.7
55°	29.9	28.5	28.5	28.5	35.3	100.5	217.3	235.0	247.2
57.5°	23.1	23.1	23.1	21.7	29.9	85.6	194.3	203.8	213.3
60°	19.0	17.7	17.7	17.7	24.5	73.4	167.1	171.2	176.6
62.5°	14.9	14.9	14.9	14.9	20.4	65.2	144.0	144.0	146.7
65°	13.6	12.2	12.2	12.2	17.7	57.1	120.9	119.5	122.3
67.5°	10.9	10.9	10.9	10.9	14.9	48.9	99.2	97.8	100.5
70°	9.5	9.5	9.5	9.5	12.2	40.8	80.1	78.8	81.5
72.5°	8.2	8.2	8.2	8.2	10.9	34.0	63.8	63.8	65.2
75°	6.8	6.8	6.8	6.8	9.5	25.8	51.6	51.6	53.0
77.5°	5.4	5.4	5.4	5.4	6.8	20.4	39.4	38.0	38.0
80°	2.7	4.1	4.1	4.1	5.4	14.9	28.5	25.8	25.8
82.5°	1.4	2.7	2.7	2.7	5.4	10.9	19.0	17.7	17.7
85°	1.4	1.4	1.4	4.1	5.4	8.2	12.2	12.2	12.2
87.5°	0.0	1.4	2.7	5.4	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)