

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: P799542

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDSWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799542  
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 6LBMDSWWH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

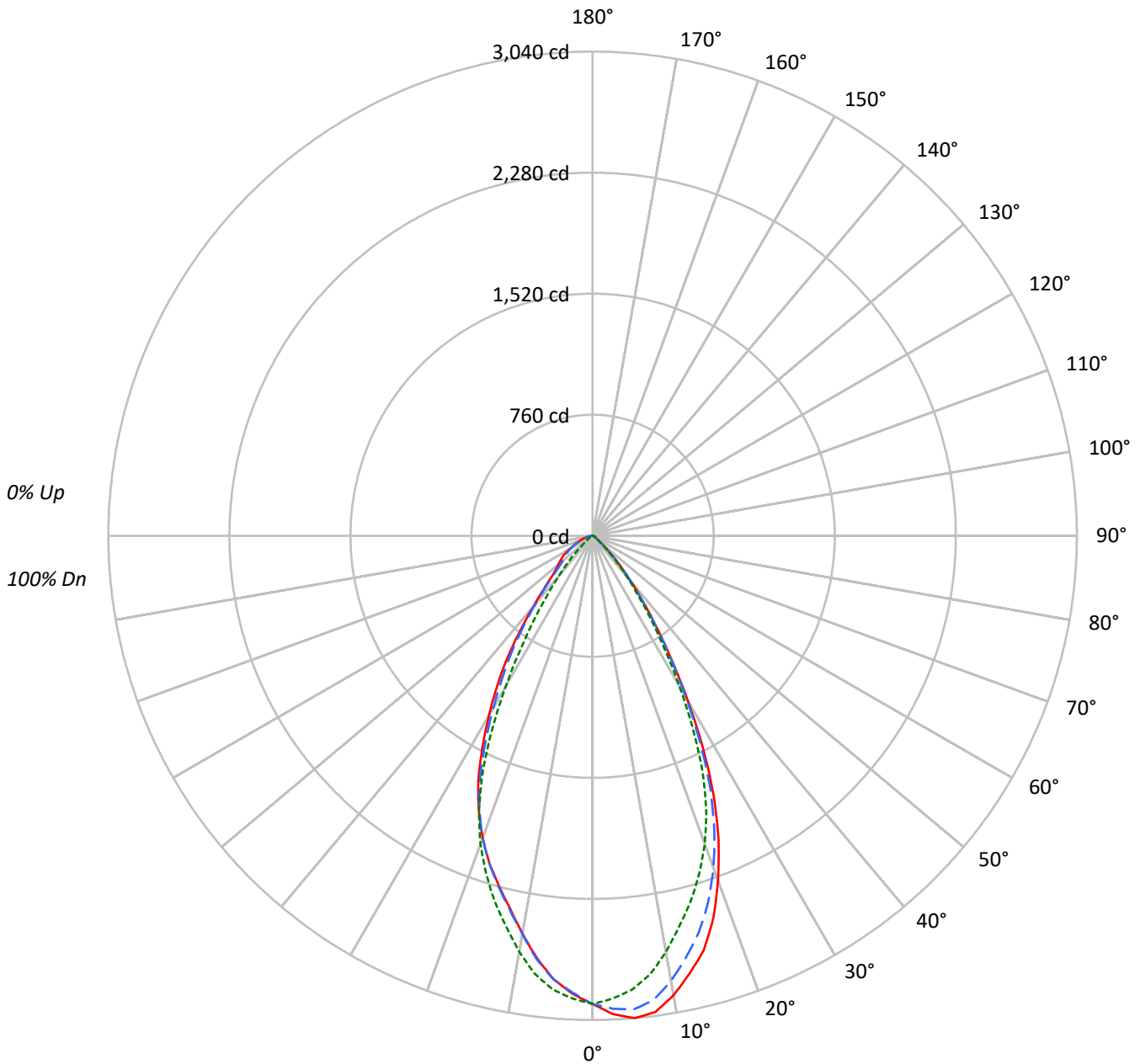
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2531.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 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°	161155	161155	161155
5°	167284	157374	153813
10°	163006	147615	141124
15°	152878	134882	129053
20°	134208	120078	117785
25°	108545	98649	102714
30°	75461	68719	82209
35°	46512	42095	62044
40°	26321	23594	41206
45°	12784	12195	28119
50°	4870	4870	23905
55°	2667	3154	22059
60°	1952	2500	18080
65°	1647	2140	14801
70°	1427	1827	12198
75°	1334	1885	10485
80°	789	1610	7608
85°	818	3208	7170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.1	10.6
10°-20°	676.4	26.7
20°-30°	761.4	30.1
30°-40°	471.5	18.6
40°-50°	187.8	7.4
50°-60°	85.5	3.4
60°-70°	49.1	1.9
70°-80°	23.3	0.9
80°-90°	6.8	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°	1707.0	67.4
0°-40°	2178.5	86.1
0°-60°	2451.7	96.9
0°-90°	2531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2531.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2940	2940	2940	2940	2940	
5°	3040	2984	2860	2798	2795	286
15°	2694	2577	2377	2280	2274	745
25°	1794	1746	1631	1672	1698	807
35°	695	691	629	876	927	447
45°	165	165	157	342	363	140
55°	28	27	33	203	231	28
65°	13	11	16	113	114	12
75°	6	6	9	48	50	7
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°	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7
2.5°	3006.9	2979.0	2972.7	2948.6	2908.0	2885.2	2871.2	2861.1	2878.8
5°	3039.9	3009.5	2984.1	2934.7	2859.8	2818.0	2797.7	2781.2	2795.1
7.5°	3015.8	2972.7	2938.5	2870.0	2774.9	2710.2	2682.3	2663.3	2675.9
10°	2928.3	2876.3	2837.0	2755.8	2651.8	2574.5	2540.2	2522.5	2535.2
12.5°	2814.2	2771.1	2711.4	2622.7	2511.1	2429.9	2404.5	2390.6	2395.7
15°	2693.7	2643.0	2577.0	2488.2	2376.6	2295.5	2280.3	2271.4	2273.9
17.5°	2518.7	2469.2	2412.1	2325.9	2223.2	2157.2	2157.2	2150.9	2154.7
20°	2300.5	2273.9	2218.1	2145.8	2058.3	1998.7	2017.7	2011.4	2019.0
22.5°	2064.7	2044.4	1996.2	1936.6	1863.0	1816.1	1857.9	1856.7	1866.8
25°	1794.5	1779.3	1746.3	1695.6	1630.9	1601.8	1671.5	1671.5	1698.1
27.5°	1496.5	1481.3	1458.4	1415.3	1362.1	1353.2	1455.9	1468.6	1497.8
30°	1192.1	1182.0	1169.3	1130.0	1085.6	1102.1	1244.1	1265.7	1298.7
32.5°	920.7	914.4	910.6	875.1	835.8	890.3	1052.6	1080.5	1113.5
35°	695.0	681.0	691.2	664.5	629.0	697.5	876.3	900.4	927.1
37.5°	512.4	502.2	511.1	492.1	460.4	535.2	703.9	719.1	736.8
40°	367.8	358.9	366.5	355.1	329.7	399.5	551.7	568.2	575.8
42.5°	261.3	246.0	253.6	244.8	232.1	300.6	433.7	448.9	451.5
45°	164.9	159.8	164.9	159.8	157.3	223.2	342.4	356.4	362.7
47.5°	100.2	93.8	93.8	91.3	93.8	164.9	282.8	303.1	313.2
50°	57.1	54.5	53.3	52.0	57.1	129.4	244.8	267.6	280.3
52.5°	38.0	36.8	36.8	35.5	41.9	109.1	220.7	241.0	253.6
55°	27.9	26.6	26.6	26.6	33.0	93.8	202.9	219.4	230.8
57.5°	21.6	21.6	21.6	20.3	27.9	79.9	181.4	190.2	199.1
60°	17.8	16.5	16.5	16.5	22.8	68.5	156.0	159.8	164.9
62.5°	14.0	14.0	14.0	14.0	19.0	60.9	134.4	134.4	137.0
65°	12.7	11.4	11.4	11.4	16.5	53.3	112.9	111.6	114.1
67.5°	10.1	10.1	10.1	10.1	14.0	45.7	92.6	91.3	93.8
70°	8.9	8.9	8.9	8.9	11.4	38.0	74.8	73.6	76.1
72.5°	7.6	7.6	7.6	7.6	10.1	31.7	59.6	59.6	60.9
75°	6.3	6.3	6.3	6.3	8.9	24.1	48.2	48.2	49.5
77.5°	5.1	5.1	5.1	5.1	6.3	19.0	36.8	35.5	35.5
80°	2.5	3.8	3.8	3.8	5.1	14.0	26.6	24.1	24.1
82.5°	1.3	2.5	2.5	2.5	5.1	10.1	17.8	16.5	16.5
85°	1.3	1.3	1.3	3.8	5.1	7.6	11.4	11.4	11.4
87.5°	0.0	1.3	2.5	5.1	6.3	6.3	7.6	6.3	6.3
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)