

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: P799527

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDSWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799527  
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: LD6C25D010 EU6259050 6LBMDSWH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

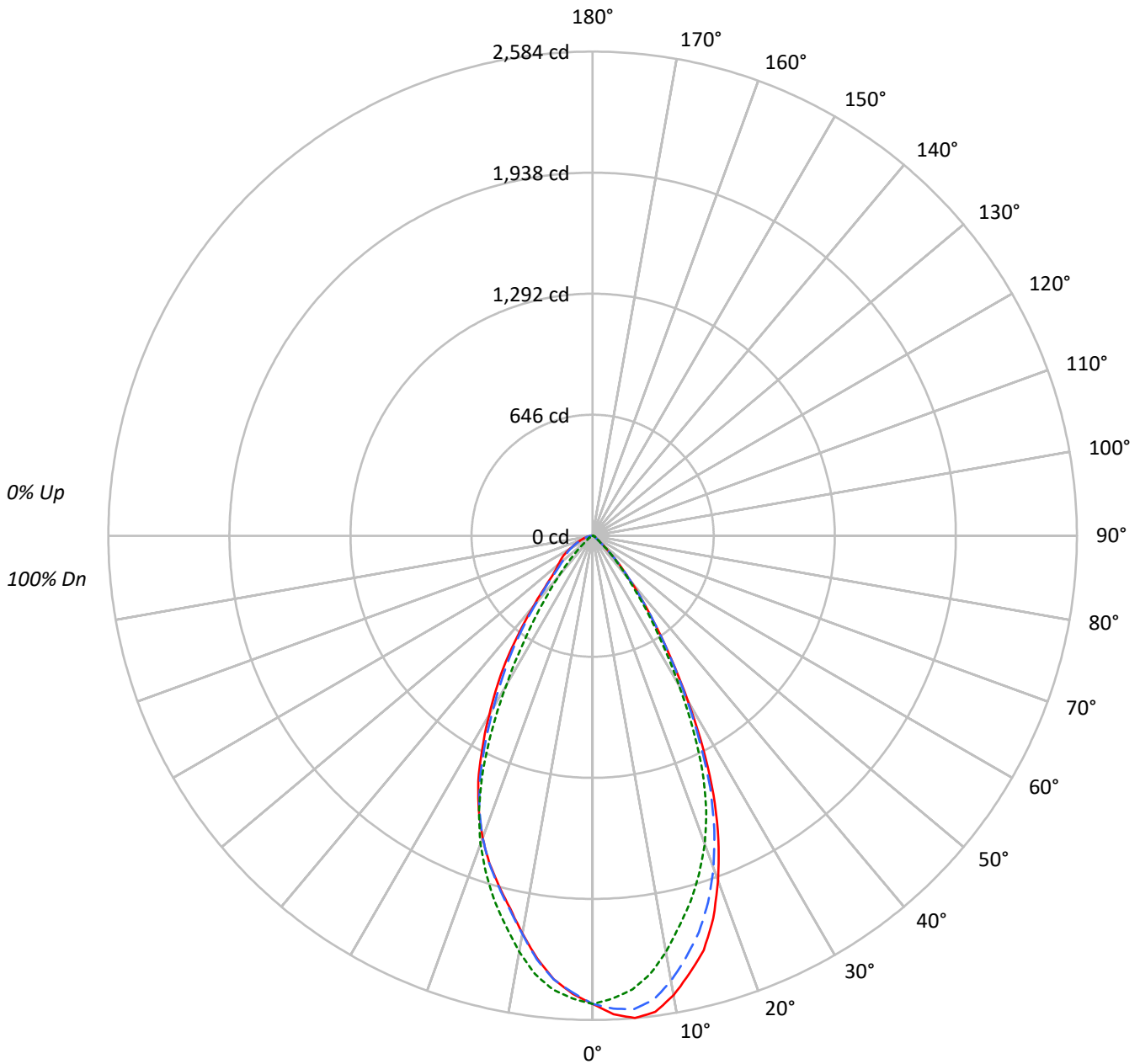
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2151.0 lumens  
Efficiency: N/A  
Efficacy: 68.3 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): 31.5  
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°	136963	136963	136963
5°	142169	133749	130723
10°	138536	125454	119932
15°	129927	114632	109677
20°	114057	102051	100103
25°	92249	83842	87295
30°	64130	58401	69865
35°	39525	35777	52729
40°	22370	20052	35016
45°	10862	10358	23902
50°	4136	4136	20315
55°	2265	2676	18752
60°	1656	2127	15361
65°	1401	1816	12582
70°	1202	1555	10370
75°	1144	1589	8896
80°	695	1357	6472
85°	692	2705	6101



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.7	10.6
10°-20°	574.9	26.7
20°-30°	647.1	30.1
30°-40°	400.7	18.6
40°-50°	159.6	7.4
50°-60°	72.6	3.4
60°-70°	41.8	1.9
70°-80°	19.8	0.9
80°-90°	5.8	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°	1450.7	67.4
0°-40°	1851.4	86.1
0°-60°	2083.6	96.9
0°-90°	2151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2151.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2498	2498	2498	2498	2498	
5°	2584	2536	2430	2378	2376	243
15°	2289	2190	2020	1938	1932	633
25°	1525	1484	1386	1421	1443	686
35°	591	587	535	745	788	380
45°	140	140	134	291	308	119
55°	24	23	28	172	196	24
65°	11	10	14	96	97	11
75°	5	5	8	41	42	6
85°	1	1	4	10	10	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°	2498.4	2498.4	2498.4	2498.4	2498.4	2498.4	2498.4	2498.4	2498.4
2.5°	2555.5	2531.8	2526.4	2505.9	2471.4	2452.0	2440.2	2431.5	2446.6
5°	2583.5	2557.6	2536.1	2494.0	2430.5	2394.9	2377.6	2363.6	2375.5
7.5°	2563.0	2526.4	2497.3	2439.1	2358.2	2303.3	2279.6	2263.4	2274.2
10°	2488.7	2444.5	2411.1	2342.1	2253.7	2188.0	2158.8	2143.8	2154.5
12.5°	2391.7	2355.0	2304.4	2228.9	2134.1	2065.1	2043.5	2031.7	2036.0
15°	2289.3	2246.2	2190.1	2114.7	2019.8	1950.8	1937.9	1930.4	1932.5
17.5°	2140.5	2098.5	2050.0	1976.7	1889.4	1833.4	1833.4	1828.0	1831.2
20°	1955.1	1932.5	1885.1	1823.7	1749.3	1698.6	1714.8	1709.4	1715.9
22.5°	1754.7	1737.4	1696.5	1645.8	1583.3	1543.4	1579.0	1577.9	1586.5
25°	1525.1	1512.2	1484.1	1441.0	1386.1	1361.3	1420.6	1420.6	1443.2
27.5°	1271.8	1258.9	1239.5	1202.8	1157.6	1150.0	1237.3	1248.1	1272.9
30°	1013.1	1004.5	993.7	960.3	922.6	936.6	1057.3	1075.7	1103.7
32.5°	782.5	777.1	773.9	743.7	710.3	756.6	894.6	918.3	946.3
35°	590.6	578.8	587.4	564.8	534.6	592.8	744.8	765.2	787.9
37.5°	435.4	426.8	434.4	418.2	391.2	454.8	598.2	611.1	626.2
40°	312.6	305.0	311.5	301.8	280.2	339.5	468.8	482.9	489.3
42.5°	222.0	209.1	215.6	208.0	197.2	255.4	368.6	381.5	383.7
45°	140.1	135.8	140.1	135.8	133.6	189.7	291.0	302.9	308.3
47.5°	85.1	79.8	79.8	77.6	79.8	140.1	240.4	257.6	266.2
50°	48.5	46.3	45.3	44.2	48.5	109.9	208.0	227.4	238.2
52.5°	32.3	31.3	31.3	30.2	35.6	92.7	187.5	204.8	215.6
55°	23.7	22.6	22.6	22.6	28.0	79.8	172.4	186.5	196.2
57.5°	18.3	18.3	18.3	17.2	23.7	67.9	154.1	161.7	169.2
60°	15.1	14.0	14.0	14.0	19.4	58.2	132.6	135.8	140.1
62.5°	11.9	11.9	11.9	11.9	16.2	51.7	114.2	114.2	116.4
65°	10.8	9.7	9.7	9.7	14.0	45.3	95.9	94.8	97.0
67.5°	8.6	8.6	8.6	8.6	11.9	38.8	78.7	77.6	79.8
70°	7.5	7.5	7.5	7.5	9.7	32.3	63.6	62.5	64.7
72.5°	6.5	6.5	6.5	6.5	8.6	26.9	50.7	50.7	51.7
75°	5.4	5.4	5.4	5.4	7.5	20.5	41.0	41.0	42.0
77.5°	4.3	4.3	4.3	4.3	5.4	16.2	31.3	30.2	30.2
80°	2.2	3.2	3.2	3.2	4.3	11.9	22.6	20.5	20.5
82.5°	1.1	2.2	2.2	2.2	4.3	8.6	15.1	14.0	14.0
85°	1.1	1.1	1.1	3.2	4.3	6.5	9.7	9.7	9.7
87.5°	0.0	1.1	2.2	4.3	5.4	5.4	6.5	5.4	5.4
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)