

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: P799522

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDDWLI**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799522  
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: LD6C25D010 EU6259050 6LBMDDWLI  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

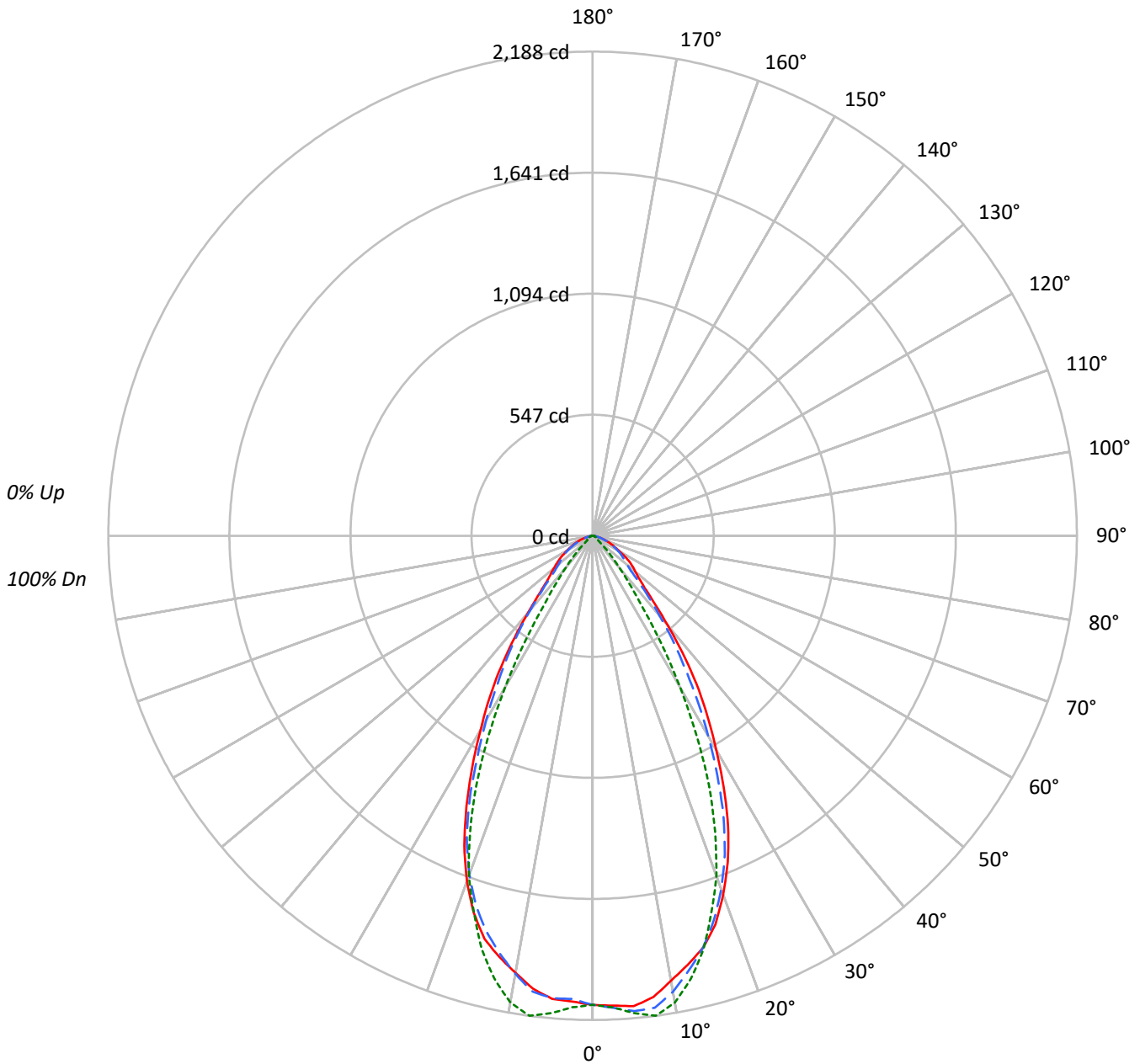
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2158.0 lumens  
Efficiency: N/A  
Efficacy: 68.5 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): 31.5  
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	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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	116202	116202	116202
5°	117417	119200	115579
10°	113614	119197	111632
15°	109348	109779	107027
20°	100640	95354	96865
25°	87586	75198	81585
30°	70637	49957	64086
35°	54763	25759	48131
40°	37578	13346	32404
45°	25747	6691	22739
50°	21424	2849	19496
55°	19268	2475	17414
60°	15251	2368	14538
65°	12582	2101	12453
70°	10194	1907	10194
75°	7540	2055	7985
80°	4420	1705	4767
85°	3397	2013	3397



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.8	9.4
10°-20°	529.6	24.5
20°-30°	604.5	28.0
30°-40°	400.9	18.6
40°-50°	193.3	9.0
50°-60°	118.9	5.5
60°-70°	72.0	3.3
70°-80°	30.3	1.4
80°-90°	6.7	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°	1335.9	61.9
0°-40°	1736.8	80.5
0°-60°	2049.1	95.0
0°-90°	2158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2158.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2120	2120	2120	2120	2120	
5°	2134	2156	2166	2097	2100	200
15°	1927	1927	1934	1852	1886	537
25°	1448	1400	1243	1315	1349	657
35°	818	721	385	673	719	506
45°	332	291	86	272	293	271
55°	202	164	26	164	182	177
65°	97	93	16	87	96	97
75°	36	36	10	33	38	38
85°	5	8	3	5	5	7
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°	2119.7	2119.7	2119.7	2119.7	2119.7	2119.7	2119.7	2119.7	2119.7
2.5°	2125.1	2128.4	2134.8	2135.9	2132.7	2112.2	2094.9	2101.4	2106.8
5°	2133.7	2140.2	2156.4	2171.5	2166.1	2131.6	2097.1	2096.0	2100.3
7.5°	2102.5	2117.6	2151.0	2188.7	2187.7	2128.4	2077.7	2064.7	2064.7
10°	2041.0	2055.0	2091.7	2142.4	2141.3	2066.9	2010.8	2004.4	2005.4
12.5°	1986.0	1992.5	2010.8	2050.7	2050.7	1977.4	1934.3	1940.7	1949.4
15°	1926.7	1931.0	1926.7	1939.7	1934.3	1873.9	1852.3	1872.8	1885.8
17.5°	1842.6	1844.8	1822.1	1804.9	1784.4	1746.7	1752.1	1782.3	1785.5
20°	1725.1	1739.1	1698.2	1653.9	1634.5	1599.0	1629.1	1662.6	1660.4
22.5°	1595.7	1611.9	1559.1	1485.7	1445.9	1431.8	1485.7	1515.9	1514.9
25°	1448.0	1459.9	1399.5	1297.1	1243.2	1241.0	1315.4	1346.7	1348.8
27.5°	1282.0	1286.3	1218.4	1084.7	1017.8	1034.0	1127.8	1170.9	1176.3
30°	1115.9	1113.8	1043.7	877.6	789.2	833.4	959.6	1007.0	1012.4
32.5°	963.9	957.4	877.6	679.3	573.6	639.4	805.4	855.0	863.6
35°	818.3	807.6	721.3	502.4	384.9	483.0	672.8	715.9	719.2
37.5°	666.3	660.9	593.0	376.3	268.5	366.6	548.8	580.1	576.8
40°	525.1	525.1	469.0	279.3	186.5	272.8	434.5	462.5	452.8
42.5°	411.9	417.3	369.8	205.9	132.6	202.7	343.9	369.8	359.0
45°	332.1	332.1	291.1	153.1	86.3	150.9	271.7	295.4	293.3
47.5°	281.4	277.1	236.1	112.1	47.4	113.2	228.6	257.7	256.6
50°	251.2	244.7	202.7	88.4	33.4	93.8	200.5	227.5	228.6
52.5°	227.5	217.8	182.2	78.7	29.1	81.9	182.2	203.8	203.8
55°	201.6	196.2	163.9	70.1	25.9	73.3	163.9	183.3	182.2
57.5°	170.4	169.3	146.6	63.6	23.7	64.7	146.6	158.5	154.2
60°	139.1	143.4	127.2	57.1	21.6	58.2	125.1	134.8	132.6
62.5°	116.4	121.8	111.1	50.7	18.3	51.8	105.7	115.4	113.2
65°	97.0	101.4	92.7	43.1	16.2	43.1	87.3	96.0	96.0
67.5°	79.8	83.0	76.6	35.6	14.0	35.6	71.2	78.7	79.8
70°	63.6	65.8	60.4	28.0	11.9	29.1	56.1	63.6	63.6
72.5°	49.6	50.7	47.4	22.6	10.8	22.6	43.1	49.6	49.6
75°	35.6	37.7	35.6	17.3	9.7	17.3	33.4	36.7	37.7
77.5°	20.5	25.9	25.9	14.0	7.5	12.9	23.7	24.8	24.8
80°	14.0	16.2	18.3	9.7	5.4	9.7	15.1	16.2	15.1
82.5°	9.7	10.8	10.8	6.5	4.3	6.5	9.7	10.8	9.7
85°	5.4	7.5	7.5	5.4	3.2	4.3	5.4	6.5	5.4
87.5°	3.2	4.3	5.4	4.3	3.2	3.2	3.2	3.2	2.2
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)