

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: P799487

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799487
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 EU6259030 6LBMDDWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

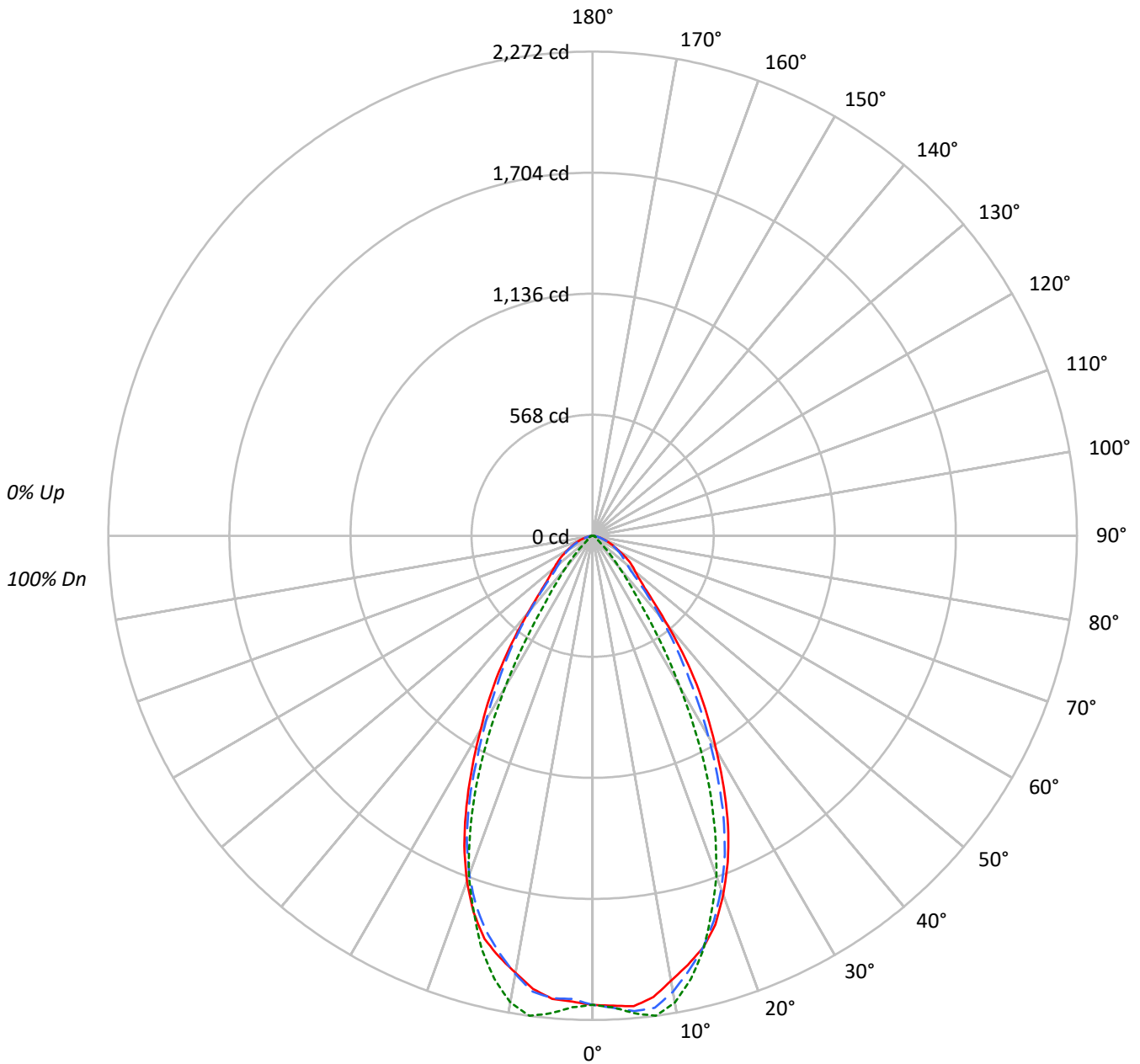
Lumens per Lamp: N/A
Luminaire Lumens: 2241.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V): NR
Input Current (A_{in}): 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									
RC	80									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																			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	120676	120676	120676
5°	121935	123784	120025
10°	117984	123779	115930
15°	113553	114002	111141
20°	104513	99024	100593
25°	90955	78089	84725
30°	73353	51881	66555
35°	56871	26749	49978
40°	39023	13862	33656
45°	26739	6946	23607
50°	22251	2959	20247
55°	20014	2571	18083
60°	15832	2456	15097
65°	13075	2179	12920
70°	10595	1971	10595
75°	7816	2139	8303
80°	4609	1768	4956
85°	3522	2139	3522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.5	9.4
10°-20°	550.0	24.5
20°-30°	627.8	28.0
30°-40°	416.3	18.6
40°-50°	200.8	9.0
50°-60°	123.5	5.5
60°-70°	74.7	3.3
70°-80°	31.4	1.4
80°-90°	7.0	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°	1387.3	61.9
0°-40°	1803.6	80.5
0°-60°	2127.9	95.0
0°-90°	2241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2201	2201	2201	2201	2201	
5°	2216	2239	2249	2178	2181	208
15°	2001	2001	2009	1924	1958	558
25°	1504	1453	1291	1366	1401	682
35°	850	749	400	699	747	526
45°	345	302	90	282	304	281
55°	209	170	27	170	189	184
65°	101	96	17	91	100	101
75°	37	37	10	35	39	39
85°	6	8	3	6	6	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°	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3	2201.3
2.5°	2206.9	2210.2	2216.9	2218.0	2214.7	2193.4	2175.5	2182.2	2187.8
5°	2215.8	2222.5	2239.3	2255.0	2249.4	2213.6	2177.7	2176.6	2181.1
7.5°	2183.3	2199.0	2233.7	2272.9	2271.8	2210.2	2157.6	2144.2	2144.2
10°	2119.5	2134.1	2172.1	2224.8	2223.6	2146.4	2088.2	2081.4	2082.6
12.5°	2062.4	2069.1	2088.2	2129.6	2129.6	2053.5	2008.7	2015.4	2024.3
15°	2000.8	2005.3	2000.8	2014.3	2008.7	1946.0	1923.6	1944.9	1958.3
17.5°	1913.5	1915.7	1892.2	1874.3	1853.0	1813.9	1819.4	1850.8	1854.2
20°	1791.5	1806.0	1763.5	1717.6	1697.4	1660.5	1691.8	1726.5	1724.3
22.5°	1657.1	1673.9	1619.0	1542.9	1501.5	1486.9	1542.9	1574.2	1573.1
25°	1503.7	1516.0	1453.3	1347.0	1291.0	1288.7	1366.0	1398.5	1400.7
27.5°	1331.3	1335.8	1265.2	1126.4	1057.0	1073.8	1171.2	1216.0	1221.6
30°	1158.8	1156.6	1083.8	911.4	819.6	865.5	996.5	1045.8	1051.4
32.5°	1001.0	994.3	911.4	705.4	595.7	664.0	836.4	887.9	896.8
35°	849.8	838.6	749.1	521.8	399.7	501.6	698.7	743.5	746.8
37.5°	692.0	686.4	615.8	390.8	278.8	380.7	569.9	602.4	599.0
40°	545.3	545.3	487.1	290.0	193.7	283.3	451.2	480.3	470.3
42.5°	427.7	433.3	384.0	213.9	137.7	210.5	357.2	384.0	372.8
45°	344.9	344.9	302.3	159.0	89.6	156.8	282.2	306.8	304.5
47.5°	292.2	287.8	245.2	116.4	49.3	117.6	237.4	267.6	266.5
50°	260.9	254.2	210.5	91.8	34.7	97.4	208.3	236.2	237.4
52.5°	236.2	226.2	189.2	81.7	30.2	85.1	189.2	211.6	211.6
55°	209.4	203.8	170.2	72.8	26.9	76.1	170.2	190.3	189.2
57.5°	176.9	175.8	152.3	66.1	24.6	67.2	152.3	164.6	160.1
60°	144.4	148.9	132.1	59.3	22.4	60.5	129.9	140.0	137.7
62.5°	120.9	126.5	115.3	52.6	19.0	53.7	109.7	119.8	117.6
65°	100.8	105.2	96.3	44.8	16.8	44.8	90.7	99.6	99.6
67.5°	82.9	86.2	79.5	36.9	14.6	36.9	73.9	81.7	82.9
70°	66.1	68.3	62.7	29.1	12.3	30.2	58.2	66.1	66.1
72.5°	51.5	52.6	49.3	23.5	11.2	23.5	44.8	51.5	51.5
75°	36.9	39.2	36.9	17.9	10.1	17.9	34.7	38.1	39.2
77.5°	21.3	26.9	26.9	14.6	7.8	13.4	24.6	25.8	25.8
80°	14.6	16.8	19.0	10.1	5.6	10.1	15.7	16.8	15.7
82.5°	10.1	11.2	11.2	6.7	4.5	6.7	10.1	11.2	10.1
85°	5.6	7.8	7.8	5.6	3.4	4.5	5.6	6.7	5.6
87.5°	3.4	4.5	5.6	4.5	3.4	3.4	3.4	3.4	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)