

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: P799512

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799512
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 EU6259040 6LBMDDWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

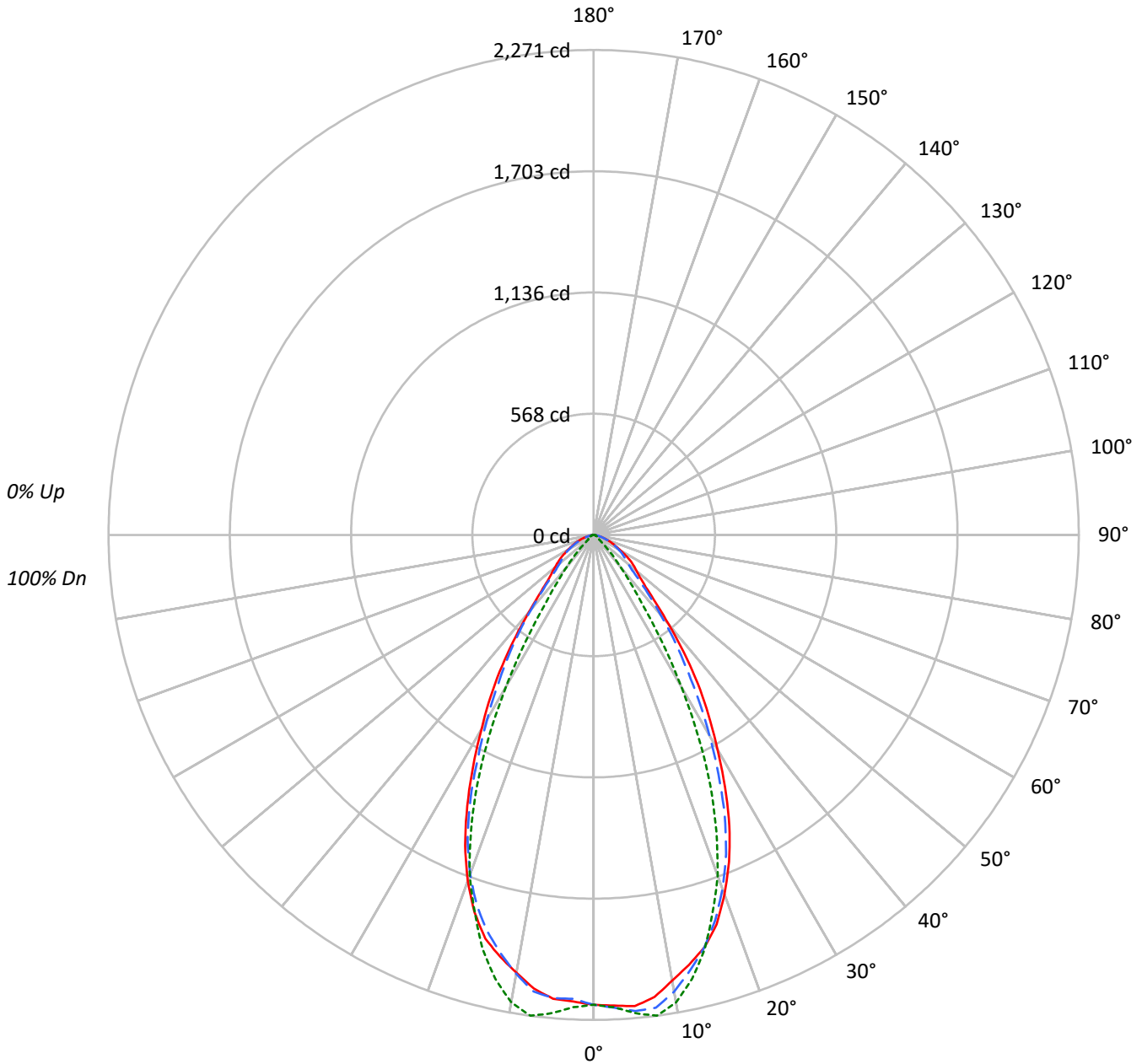
Lumens per Lamp: N/A
Luminaire Lumens: 2240.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	120621	120621	120621
5°	121879	123728	119970
10°	117934	123729	115874
15°	113502	113951	111090
20°	104467	98977	100546
25°	90913	78053	84688
30°	73321	51856	66523
35°	56844	26736	49958
40°	39002	13855	33634
45°	26724	6939	23599
50°	22242	2959	20238
55°	20004	2571	18073
60°	15832	2456	15097
65°	13062	2179	12920
70°	10579	1971	10579
75°	7816	2139	8303
80°	4578	1768	4956
85°	3522	2139	3522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.4	9.4
10°-20°	549.7	24.5
20°-30°	627.5	28.0
30°-40°	416.1	18.6
40°-50°	200.7	9.0
50°-60°	123.5	5.5
60°-70°	74.7	3.3
70°-80°	31.4	1.4
80°-90°	6.9	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°	1386.6	61.9
0°-40°	1802.8	80.5
0°-60°	2126.9	95.0
0°-90°	2240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2240.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2200	2200	2200	2200	2200	
5°	2215	2238	2248	2177	2180	208
15°	2000	2000	2008	1923	1957	557
25°	1503	1453	1290	1365	1400	682
35°	849	749	400	698	746	525
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°	2200.3	2200.3	2200.3	2200.3	2200.3	2200.3	2200.3	2200.3	2200.3
2.5°	2205.9	2209.2	2215.9	2217.1	2213.7	2192.4	2174.5	2181.2	2186.8
5°	2214.8	2221.5	2238.3	2254.0	2248.4	2212.6	2176.8	2175.6	2180.1
7.5°	2182.4	2198.0	2232.7	2271.9	2270.8	2209.2	2156.6	2143.2	2143.2
10°	2118.6	2133.1	2171.2	2223.8	2222.7	2145.4	2087.2	2080.5	2081.6
12.5°	2061.5	2068.2	2087.2	2128.6	2128.6	2052.5	2007.8	2014.5	2023.4
15°	1999.9	2004.4	1999.9	2013.4	2007.8	1945.1	1922.7	1944.0	1957.4
17.5°	1912.6	1914.9	1891.4	1873.5	1852.2	1813.0	1818.6	1850.0	1853.3
20°	1790.7	1805.2	1762.7	1716.8	1696.6	1659.7	1691.1	1725.7	1723.5
22.5°	1656.4	1673.1	1618.3	1542.2	1500.8	1486.2	1542.2	1573.5	1572.4
25°	1503.0	1515.3	1452.7	1346.4	1290.4	1288.2	1365.4	1397.8	1400.1
27.5°	1330.7	1335.2	1264.7	1125.9	1056.5	1073.3	1170.6	1215.4	1221.0
30°	1158.3	1156.1	1083.3	911.0	819.2	865.1	996.1	1045.3	1050.9
32.5°	1000.5	993.8	911.0	705.1	595.4	663.7	836.0	887.5	896.4
35°	849.4	838.3	748.7	521.5	399.5	501.4	698.4	743.1	746.5
37.5°	691.6	686.0	615.5	390.6	278.7	380.5	569.7	602.1	598.8
40°	545.0	545.0	486.8	289.9	193.6	283.1	451.0	480.1	470.0
42.5°	427.5	433.1	383.9	213.8	137.7	210.4	357.0	383.9	372.7
45°	344.7	344.7	302.2	158.9	89.5	156.7	282.0	306.7	304.4
47.5°	292.1	287.6	245.1	116.4	49.2	117.5	237.3	267.5	266.4
50°	260.8	254.0	210.4	91.8	34.7	97.4	208.2	236.1	237.3
52.5°	236.1	226.1	189.1	81.7	30.2	85.1	189.1	211.5	211.5
55°	209.3	203.7	170.1	72.7	26.9	76.1	170.1	190.3	189.1
57.5°	176.8	175.7	152.2	66.0	24.6	67.1	152.2	164.5	160.0
60°	144.4	148.8	132.1	59.3	22.4	60.4	129.8	139.9	137.7
62.5°	120.9	126.5	115.3	52.6	19.0	53.7	109.7	119.8	117.5
65°	100.7	105.2	96.2	44.8	16.8	44.8	90.7	99.6	99.6
67.5°	82.8	86.2	79.5	36.9	14.5	36.9	73.9	81.7	82.8
70°	66.0	68.3	62.7	29.1	12.3	30.2	58.2	66.0	66.0
72.5°	51.5	52.6	49.2	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	14.5	7.8	13.4	24.6	25.7	25.7
80°	14.5	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)