

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: P799486

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799486
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 6LBMDDWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

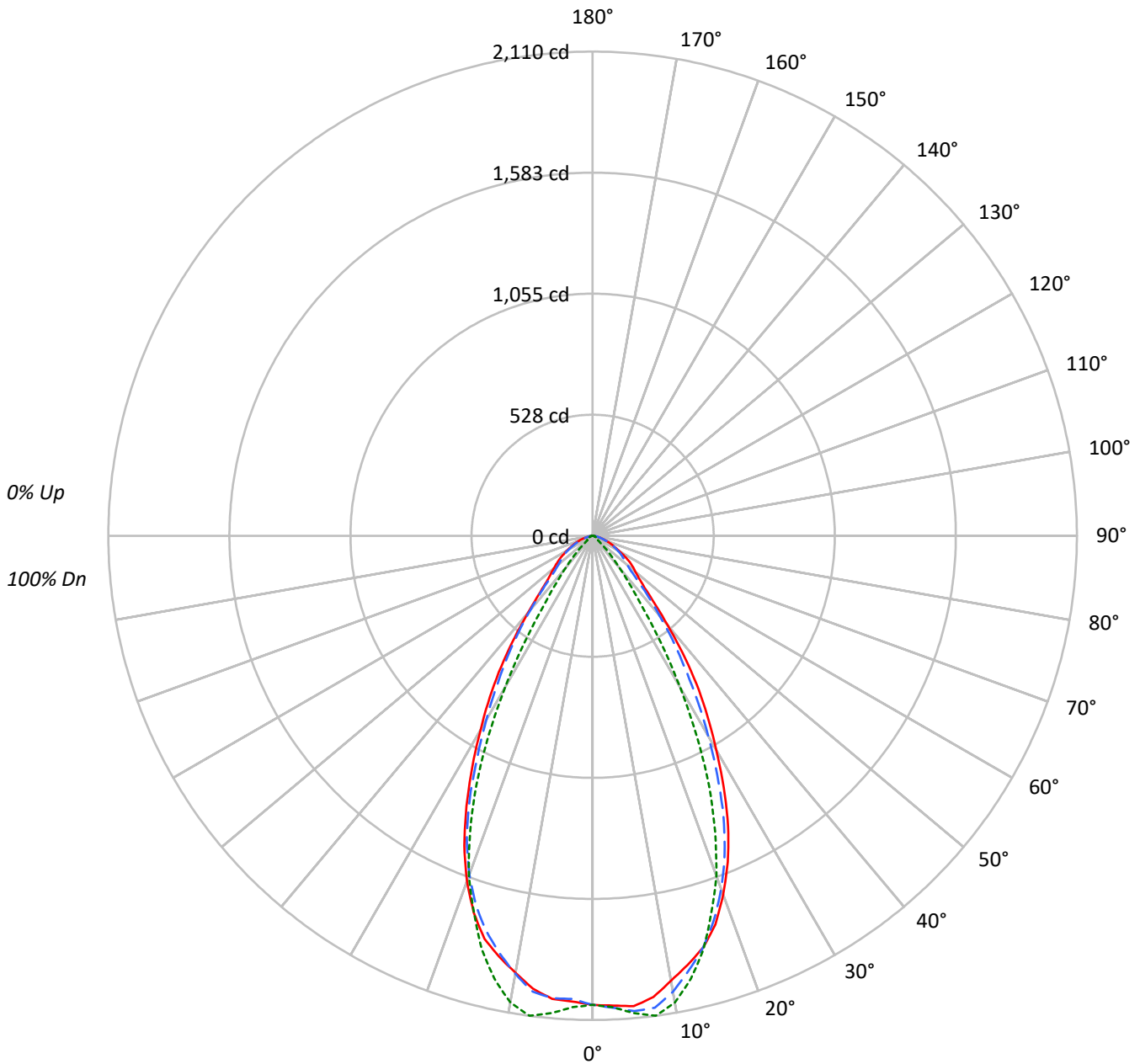
Lumens per Lamp: N/A
Luminaire Lumens: 2081.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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			
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°	112058	112058	112058
5°	113229	114946	111457
10°	109562	114944	107652
15°	105449	105863	103207
20°	97052	91953	93411
25°	84459	72512	78676
30°	68118	48178	61801
35°	52809	24842	46411
40°	36232	12874	31251
45°	24824	6450	21925
50°	20665	2746	18797
55°	18580	2389	16793
60°	14703	2281	14023
65°	12141	2024	11999
70°	9825	1827	9825
75°	7265	1991	7710
80°	4262	1642	4609
85°	3271	1950	3271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	9.4
10°-20°	510.7	24.5
20°-30°	582.9	28.0
30°-40°	386.6	18.6
40°-50°	186.5	9.0
50°-60°	114.7	5.5
60°-70°	69.4	3.3
70°-80°	29.2	1.4
80°-90°	6.5	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°	1288.2	61.9
0°-40°	1674.8	80.5
0°-60°	1975.9	95.0
0°-90°	2081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2081.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2044	2044	2044	2044	2044	
5°	2058	2079	2089	2022	2025	193
15°	1858	1858	1865	1786	1818	518
25°	1396	1350	1199	1268	1301	633
35°	789	696	371	649	694	488
45°	320	281	83	262	283	261
55°	194	158	25	158	176	171
65°	94	89	16	84	92	94
75°	34	34	9	32	36	37
85°	5	7	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°	2044.1	2044.1	2044.1	2044.1	2044.1	2044.1	2044.1	2044.1	2044.1
2.5°	2049.3	2052.4	2058.6	2059.7	2056.6	2036.8	2020.2	2026.4	2031.6
5°	2057.6	2063.8	2079.4	2094.0	2088.8	2055.5	2022.3	2021.2	2025.4
7.5°	2027.5	2042.0	2074.2	2110.6	2109.6	2052.4	2003.5	1991.1	1991.1
10°	1968.2	1981.7	2017.1	2065.9	2064.9	1993.1	1939.1	1932.8	1933.9
12.5°	1915.2	1921.4	1939.1	1977.5	1977.5	1906.8	1865.3	1871.5	1879.8
15°	1858.0	1862.1	1858.0	1870.5	1865.3	1807.0	1786.2	1806.0	1818.5
17.5°	1776.9	1779.0	1757.1	1740.5	1720.7	1684.3	1689.5	1718.7	1721.8
20°	1663.6	1677.1	1637.6	1594.9	1576.2	1541.9	1571.0	1603.2	1601.2
22.5°	1538.8	1554.4	1503.4	1432.7	1394.3	1380.7	1432.7	1461.8	1460.8
25°	1396.3	1407.8	1349.6	1250.8	1198.8	1196.7	1268.5	1298.6	1300.7
27.5°	1236.2	1240.4	1174.9	1046.0	981.5	997.1	1087.5	1129.1	1134.3
30°	1076.1	1074.0	1006.4	846.3	761.1	803.7	925.4	971.1	976.3
32.5°	929.5	923.3	846.3	655.0	553.1	616.6	776.7	824.5	832.8
35°	789.1	778.8	695.6	484.5	371.2	465.8	648.8	690.4	693.5
37.5°	642.5	637.3	571.8	362.9	258.9	353.5	529.2	559.4	556.3
40°	506.3	506.3	452.3	269.3	179.9	263.0	419.0	446.0	436.7
42.5°	397.2	402.4	356.6	198.6	127.9	195.5	331.7	356.6	346.2
45°	320.2	320.2	280.7	147.6	83.2	145.6	262.0	284.9	282.8
47.5°	271.4	267.2	227.7	108.1	45.7	109.2	220.4	248.5	247.5
50°	242.3	236.0	195.5	85.3	32.2	90.5	193.4	219.4	220.4
52.5°	219.4	210.0	175.7	75.9	28.1	79.0	175.7	196.5	196.5
55°	194.4	189.2	158.0	67.6	25.0	70.7	158.0	176.8	175.7
57.5°	164.3	163.2	141.4	61.3	22.9	62.4	141.4	152.8	148.7
60°	134.1	138.3	122.7	55.1	20.8	56.1	120.6	130.0	127.9
62.5°	112.3	117.5	107.1	48.9	17.7	49.9	101.9	111.3	109.2
65°	93.6	97.7	89.4	41.6	15.6	41.6	84.2	92.5	92.5
67.5°	76.9	80.1	73.8	34.3	13.5	34.3	68.6	75.9	76.9
70°	61.3	63.4	58.2	27.0	11.4	28.1	54.1	61.3	61.3
72.5°	47.8	48.9	45.7	21.8	10.4	21.8	41.6	47.8	47.8
75°	34.3	36.4	34.3	16.6	9.4	16.6	32.2	35.4	36.4
77.5°	19.8	25.0	25.0	13.5	7.3	12.5	22.9	23.9	23.9
80°	13.5	15.6	17.7	9.4	5.2	9.4	14.6	15.6	14.6
82.5°	9.4	10.4	10.4	6.2	4.2	6.2	9.4	10.4	9.4
85°	5.2	7.3	7.3	5.2	3.1	4.2	5.2	6.2	5.2
87.5°	3.1	4.2	5.2	4.2	3.1	3.1	3.1	3.1	2.1
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)