

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: P799492

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799492
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 EU6259030 6LBMDSWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

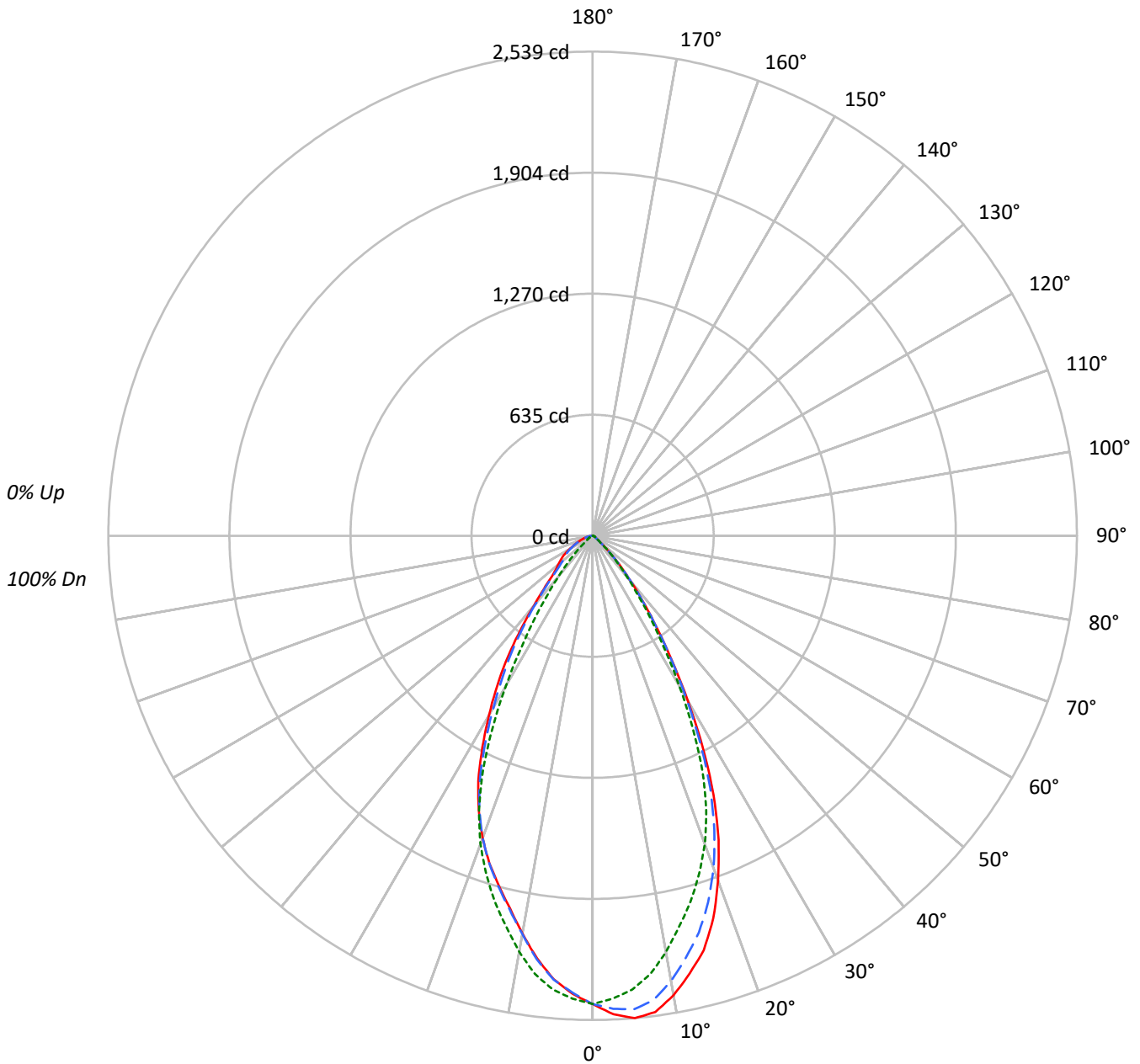
Lumens per Lamp: N/A
Luminaire Lumens: 2114.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V): NR
Input Current (A_{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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92								
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85								
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78								
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73								
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67								
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63								
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59								
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55								
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52								
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	134605	134605	134605
5°	139726	131449	128472
10°	136153	123294	117872
15°	127691	112662	107793
20°	112097	100295	98382
25°	90665	82396	85795
30°	63029	57395	68662
35°	38849	35161	51819
40°	21984	19708	34414
45°	10676	10179	23491
50°	4068	4068	19965
55°	2227	2628	18427
60°	1623	2094	15097
65°	1375	1790	12362
70°	1186	1523	10194
75°	1123	1567	8748
80°	663	1326	6346
85°	692	2642	5975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	10.6
10°-20°	565.0	26.7
20°-30°	636.0	30.1
30°-40°	393.8	18.6
40°-50°	156.8	7.4
50°-60°	71.4	3.4
60°-70°	41.1	1.9
70°-80°	19.5	0.9
80°-90°	5.7	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°	1425.7	67.4
0°-40°	1819.6	86.1
0°-60°	2047.8	96.9
0°-90°	2114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2114.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2455	2455	2455	2455	2455	
5°	2539	2492	2389	2337	2335	239
15°	2250	2152	1985	1905	1899	622
25°	1499	1459	1362	1396	1418	674
35°	580	577	525	732	774	373
45°	138	138	131	286	303	117
55°	23	22	28	170	193	23
65°	11	10	14	94	95	10
75°	5	5	7	40	41	5
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°	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4
2.5°	2511.5	2488.2	2482.9	2462.8	2428.9	2409.8	2398.2	2389.7	2404.5
5°	2539.1	2513.6	2492.5	2451.1	2388.7	2353.7	2336.7	2323.0	2334.6
7.5°	2518.9	2482.9	2454.3	2397.1	2317.7	2263.7	2240.4	2224.5	2235.1
10°	2445.9	2402.4	2369.6	2301.8	2214.9	2150.3	2121.7	2106.9	2117.5
12.5°	2350.5	2314.5	2264.7	2190.6	2097.4	2029.6	2008.4	1996.7	2001.0
15°	2249.9	2207.5	2152.4	2078.3	1985.1	1917.3	1904.6	1897.1	1899.3
17.5°	2103.7	2062.4	2014.7	1942.7	1856.9	1801.8	1801.8	1796.5	1799.7
20°	1921.5	1899.3	1852.7	1792.3	1719.2	1669.4	1685.3	1680.0	1686.4
22.5°	1724.5	1707.5	1667.3	1617.5	1556.1	1516.9	1551.8	1550.8	1559.2
25°	1498.9	1486.2	1458.6	1416.2	1362.2	1337.9	1396.1	1396.1	1418.4
27.5°	1249.9	1237.2	1218.2	1182.1	1137.7	1130.2	1216.0	1226.6	1251.0
30°	995.7	987.2	976.6	943.8	906.7	920.5	1039.1	1057.1	1084.7
32.5°	769.0	763.7	760.6	730.9	698.1	743.6	879.2	902.5	930.0
35°	580.5	568.8	577.3	555.1	525.4	582.6	732.0	752.1	774.3
37.5°	427.9	419.5	426.9	411.0	384.5	447.0	587.9	600.6	615.4
40°	307.2	299.8	306.1	296.6	275.4	333.7	460.8	474.6	480.9
42.5°	218.2	205.5	211.9	204.4	193.8	251.0	362.3	375.0	377.1
45°	137.7	133.5	137.7	133.5	131.3	186.4	286.0	297.7	303.0
47.5°	83.7	78.4	78.4	76.3	78.4	137.7	236.2	253.2	261.6
50°	47.7	45.5	44.5	43.4	47.7	108.0	204.4	223.5	234.1
52.5°	31.8	30.7	30.7	29.7	35.0	91.1	184.3	201.3	211.9
55°	23.3	22.2	22.2	22.2	27.5	78.4	169.5	183.3	192.8
57.5°	18.0	18.0	18.0	16.9	23.3	66.7	151.5	158.9	166.3
60°	14.8	13.8	13.8	13.8	19.1	57.2	130.3	133.5	137.7
62.5°	11.7	11.7	11.7	11.7	15.9	50.8	112.3	112.3	114.4
65°	10.6	9.5	9.5	9.5	13.8	44.5	94.3	93.2	95.3
67.5°	8.5	8.5	8.5	8.5	11.7	38.1	77.3	76.3	78.4
70°	7.4	7.4	7.4	7.4	9.5	31.8	62.5	61.4	63.6
72.5°	6.4	6.4	6.4	6.4	8.5	26.5	49.8	49.8	50.8
75°	5.3	5.3	5.3	5.3	7.4	20.1	40.3	40.3	41.3
77.5°	4.2	4.2	4.2	4.2	5.3	15.9	30.7	29.7	29.7
80°	2.1	3.2	3.2	3.2	4.2	11.7	22.2	20.1	20.1
82.5°	1.1	2.1	2.1	2.1	4.2	8.5	14.8	13.8	13.8
85°	1.1	1.1	1.1	3.2	4.2	6.4	9.5	9.5	9.5
87.5°	0.0	1.1	2.1	4.2	5.3	5.3	6.4	5.3	5.3
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)