

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: P799528

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799528
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 EU6259050 6LBMDSWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

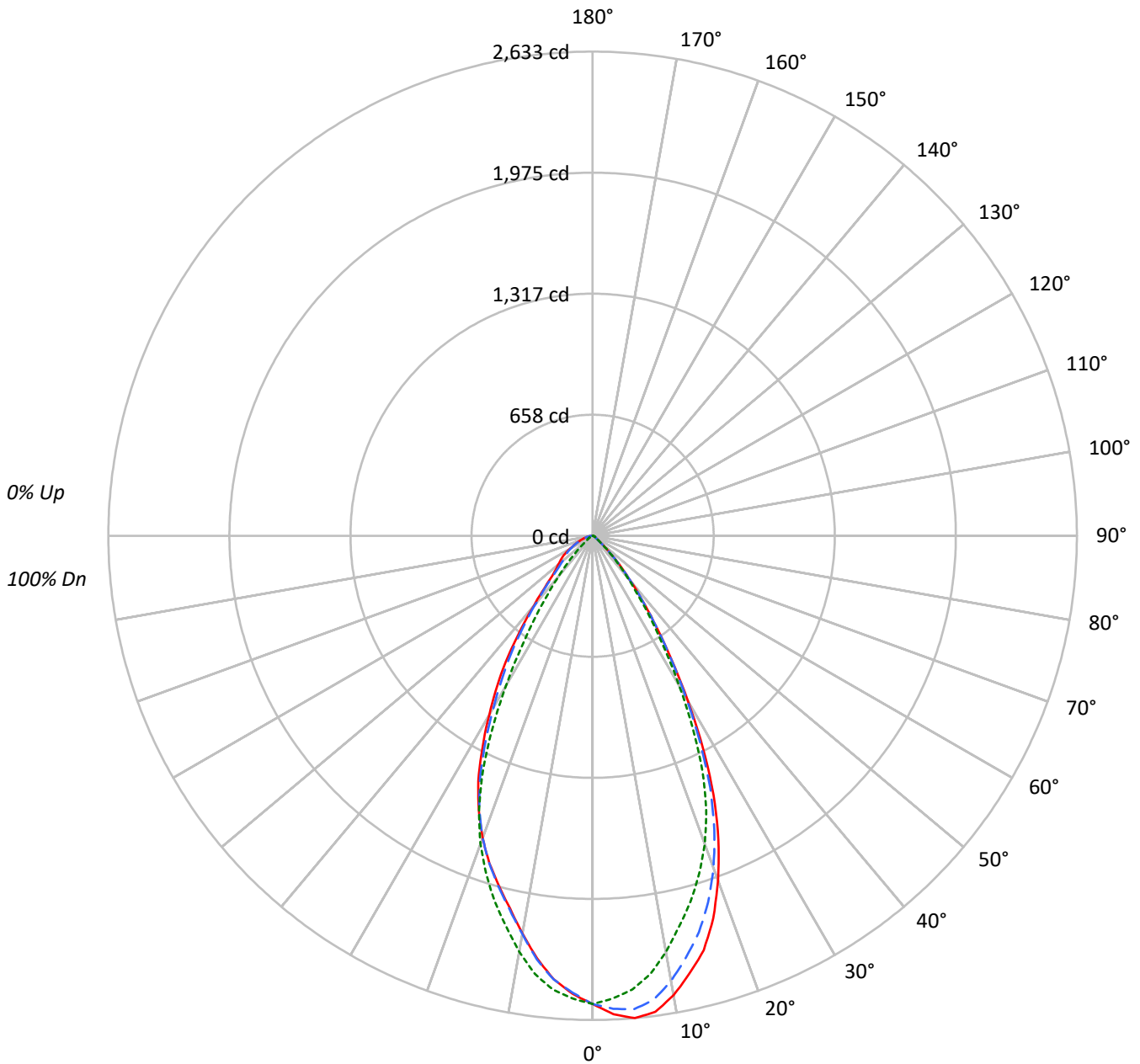
Lumens per Lamp: N/A
Luminaire Lumens: 2192.0 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	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	57	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°	139572	139572	139572
5°	144876	136297	133216
10°	141174	127848	122220
15°	132401	116817	111766
20°	116233	103994	102011
25°	94009	85438	88959
30°	65358	59515	71194
35°	40281	36460	53733
40°	22793	20438	35688
45°	11071	10559	24351
50°	4213	4213	20699
55°	2313	2733	19106
60°	1688	2171	15657
65°	1427	1855	12829
70°	1234	1587	10563
75°	1165	1631	9065
80°	695	1389	6598
85°	692	2768	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.1	10.6
10°-20°	585.8	26.7
20°-30°	659.5	30.1
30°-40°	408.3	18.6
40°-50°	162.6	7.4
50°-60°	74.0	3.4
60°-70°	42.6	1.9
70°-80°	20.2	0.9
80°-90°	5.9	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°	1478.3	67.4
0°-40°	1886.7	86.1
0°-60°	2123.4	96.9
0°-90°	2192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2192.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2546	2546	2546	2546	2546	
5°	2633	2584	2477	2423	2421	248
15°	2333	2232	2058	1975	1969	645
25°	1554	1512	1412	1448	1471	699
35°	602	599	545	759	803	387
45°	143	143	136	297	314	121
55°	24	23	29	176	200	24
65°	11	10	14	98	99	11
75°	6	6	8	42	43	6
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°	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0
2.5°	2604.2	2580.0	2574.5	2553.7	2518.5	2498.8	2486.7	2477.9	2493.3
5°	2632.7	2606.4	2584.4	2541.6	2476.8	2440.5	2423.0	2408.7	2420.8
7.5°	2611.9	2574.5	2544.9	2485.6	2403.2	2347.2	2323.0	2306.5	2317.5
10°	2536.1	2491.1	2457.0	2386.7	2296.7	2229.7	2200.0	2184.6	2195.6
12.5°	2437.2	2399.9	2348.3	2271.4	2174.7	2104.4	2082.5	2070.4	2074.8
15°	2332.9	2289.0	2231.9	2155.0	2058.3	1988.0	1974.8	1967.1	1969.3
17.5°	2181.3	2138.5	2089.1	2014.4	1925.4	1868.3	1868.3	1862.8	1866.1
20°	1992.4	1969.3	1921.0	1858.4	1782.6	1731.0	1747.5	1742.0	1748.6
22.5°	1788.1	1770.5	1728.8	1677.2	1613.5	1572.8	1609.1	1608.0	1616.8
25°	1554.2	1541.0	1512.4	1468.5	1412.5	1387.2	1447.6	1447.6	1470.7
27.5°	1296.1	1282.9	1263.1	1225.8	1179.6	1171.9	1260.9	1271.9	1297.2
30°	1032.5	1023.7	1012.7	978.6	940.2	954.5	1077.5	1096.2	1124.7
32.5°	797.4	791.9	788.6	757.9	723.8	771.0	911.6	935.8	964.4
35°	601.9	589.8	598.6	575.5	544.8	604.1	759.0	779.8	802.9
37.5°	443.7	434.9	442.6	426.2	398.7	463.5	609.6	622.8	638.1
40°	318.5	310.8	317.4	307.5	285.6	346.0	477.8	492.1	498.7
42.5°	226.3	213.1	219.7	212.0	201.0	260.3	375.6	388.8	391.0
45°	142.8	138.4	142.8	138.4	136.2	193.3	296.6	308.6	314.1
47.5°	86.8	81.3	81.3	79.1	81.3	142.8	244.9	262.5	271.3
50°	49.4	47.2	46.1	45.0	49.4	112.0	212.0	231.8	242.7
52.5°	33.0	31.9	31.9	30.8	36.2	94.5	191.1	208.7	219.7
55°	24.2	23.1	23.1	23.1	28.6	81.3	175.7	190.0	199.9
57.5°	18.7	18.7	18.7	17.6	24.2	69.2	157.1	164.8	172.4
60°	15.4	14.3	14.3	14.3	19.8	59.3	135.1	138.4	142.8
62.5°	12.1	12.1	12.1	12.1	16.5	52.7	116.4	116.4	118.6
65°	11.0	9.9	9.9	9.9	14.3	46.1	97.8	96.7	98.9
67.5°	8.8	8.8	8.8	8.8	12.1	39.5	80.2	79.1	81.3
70°	7.7	7.7	7.7	7.7	9.9	33.0	64.8	63.7	65.9
72.5°	6.6	6.6	6.6	6.6	8.8	27.5	51.6	51.6	52.7
75°	5.5	5.5	5.5	5.5	7.7	20.9	41.7	41.7	42.8
77.5°	4.4	4.4	4.4	4.4	5.5	16.5	31.9	30.8	30.8
80°	2.2	3.3	3.3	3.3	4.4	12.1	23.1	20.9	20.9
82.5°	1.1	2.2	2.2	2.2	4.4	8.8	15.4	14.3	14.3
85°	1.1	1.1	1.1	3.3	4.4	6.6	9.9	9.9	9.9
87.5°	0.0	1.1	2.2	4.4	5.5	5.5	6.6	5.5	5.5
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)