

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: P799518

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799518
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 EU6259040 6LBMDSWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

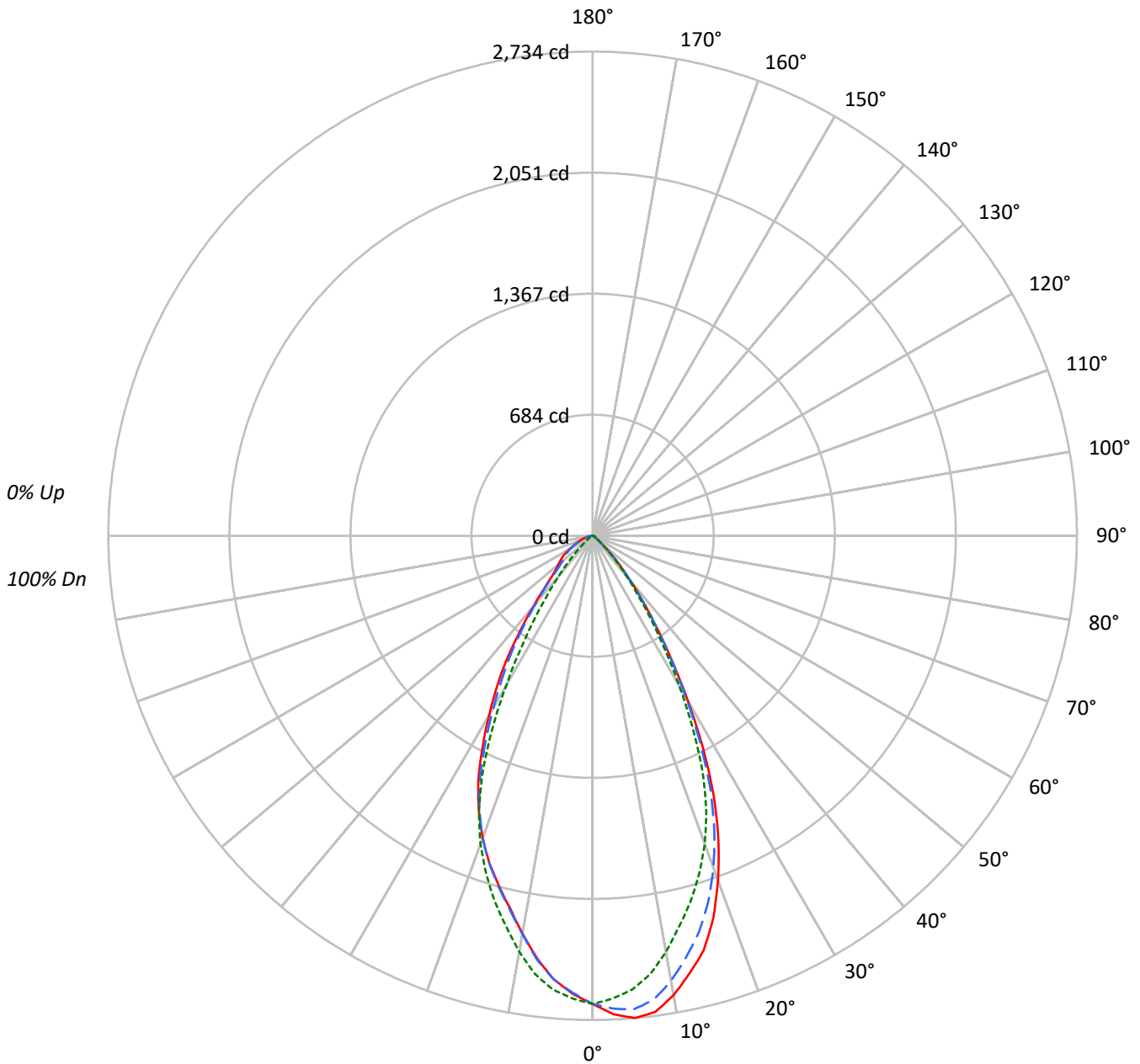
Lumens per Lamp: N/A
Luminaire Lumens: 2276.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	144917	144917	144917
5°	150429	141520	138317
10°	146585	132746	126901
15°	137475	121295	116051
20°	120690	107979	105919
25°	97608	88711	92370
30°	67859	61794	73923
35°	41827	37858	55794
40°	23666	21218	37055
45°	11497	10962	25289
50°	4375	4375	21492
55°	2399	2839	19842
60°	1754	2248	16260
65°	1479	1920	13309
70°	1282	1651	10963
75°	1207	1694	9425
80°	726	1452	6851
85°	692	2893	6479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	10.6
10°-20°	608.3	26.7
20°-30°	684.7	30.1
30°-40°	424.0	18.6
40°-50°	168.8	7.4
50°-60°	76.9	3.4
60°-70°	44.2	1.9
70°-80°	21.0	0.9
80°-90°	6.1	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°	1535.0	67.4
0°-40°	1959.0	86.1
0°-60°	2204.7	96.9
0°-90°	2276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2276.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2644	2644	2644	2644	2644	
5°	2734	2684	2572	2516	2514	257
15°	2422	2317	2137	2050	2045	670
25°	1614	1570	1467	1503	1527	725
35°	625	622	566	788	834	402
45°	148	148	141	308	326	126
55°	25	24	30	182	208	25
65°	11	10	15	102	103	11
75°	6	6	8	43	44	6
85°	1	1	5	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°	2643.5	2643.5	2643.5	2643.5	2643.5	2643.5	2643.5	2643.5	2643.5
2.5°	2704.0	2678.9	2673.2	2651.5	2615.0	2594.5	2582.0	2572.8	2588.8
5°	2733.6	2706.3	2683.5	2639.0	2571.7	2534.1	2515.8	2501.0	2513.5
7.5°	2712.0	2673.2	2642.4	2580.8	2495.3	2437.1	2412.0	2394.9	2406.3
10°	2633.3	2586.5	2551.2	2478.2	2384.7	2315.1	2284.3	2268.3	2279.7
12.5°	2530.6	2491.9	2438.3	2358.4	2258.1	2185.1	2162.3	2149.7	2154.3
15°	2422.3	2376.7	2317.4	2237.5	2137.2	2064.2	2050.5	2042.5	2044.8
17.5°	2264.9	2220.4	2169.1	2091.6	1999.2	1939.9	1939.9	1934.2	1937.6
20°	2068.8	2044.8	1994.6	1929.6	1850.9	1797.3	1814.4	1808.7	1815.6
22.5°	1856.6	1838.4	1795.1	1741.5	1675.3	1633.1	1670.7	1669.6	1678.7
25°	1613.7	1600.0	1570.4	1524.8	1466.6	1440.4	1503.1	1503.1	1527.1
27.5°	1345.7	1332.0	1311.5	1272.7	1224.8	1216.9	1309.2	1320.6	1346.9
30°	1072.0	1062.9	1051.5	1016.1	976.2	991.0	1118.8	1138.2	1167.8
32.5°	828.0	822.3	818.8	786.9	751.6	800.6	946.6	971.7	1001.3
35°	625.0	612.4	621.5	597.6	565.7	627.2	788.0	809.7	833.7
37.5°	460.7	451.6	459.6	442.5	414.0	481.3	632.9	646.6	662.6
40°	330.7	322.7	329.6	319.3	296.5	359.2	496.1	510.9	517.8
42.5°	234.9	221.2	228.1	220.1	208.7	270.3	390.0	403.7	406.0
45°	148.3	143.7	148.3	143.7	141.4	200.7	307.9	320.5	326.2
47.5°	90.1	84.4	84.4	82.1	84.4	148.3	254.3	272.6	281.7
50°	51.3	49.0	47.9	46.8	51.3	116.3	220.1	240.6	252.0
52.5°	34.2	33.1	33.1	31.9	37.6	98.1	198.4	216.7	228.1
55°	25.1	23.9	23.9	23.9	29.7	84.4	182.5	197.3	207.6
57.5°	19.4	19.4	19.4	18.2	25.1	71.8	163.1	171.1	179.0
60°	16.0	14.8	14.8	14.8	20.5	61.6	140.3	143.7	148.3
62.5°	12.5	12.5	12.5	12.5	17.1	54.7	120.9	120.9	123.2
65°	11.4	10.3	10.3	10.3	14.8	47.9	101.5	100.4	102.6
67.5°	9.1	9.1	9.1	9.1	12.5	41.1	83.3	82.1	84.4
70°	8.0	8.0	8.0	8.0	10.3	34.2	67.3	66.1	68.4
72.5°	6.8	6.8	6.8	6.8	9.1	28.5	53.6	53.6	54.7
75°	5.7	5.7	5.7	5.7	8.0	21.7	43.3	43.3	44.5
77.5°	4.6	4.6	4.6	4.6	5.7	17.1	33.1	31.9	31.9
80°	2.3	3.4	3.4	3.4	4.6	12.5	23.9	21.7	21.7
82.5°	1.1	2.3	2.3	2.3	4.6	9.1	16.0	14.8	14.8
85°	1.1	1.1	1.1	3.4	4.6	6.8	10.3	10.3	10.3
87.5°	0.0	1.1	2.3	4.6	5.7	5.7	6.8	5.7	5.7
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)