

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: P799506

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799506
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 EU6259035 6LBMDSWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

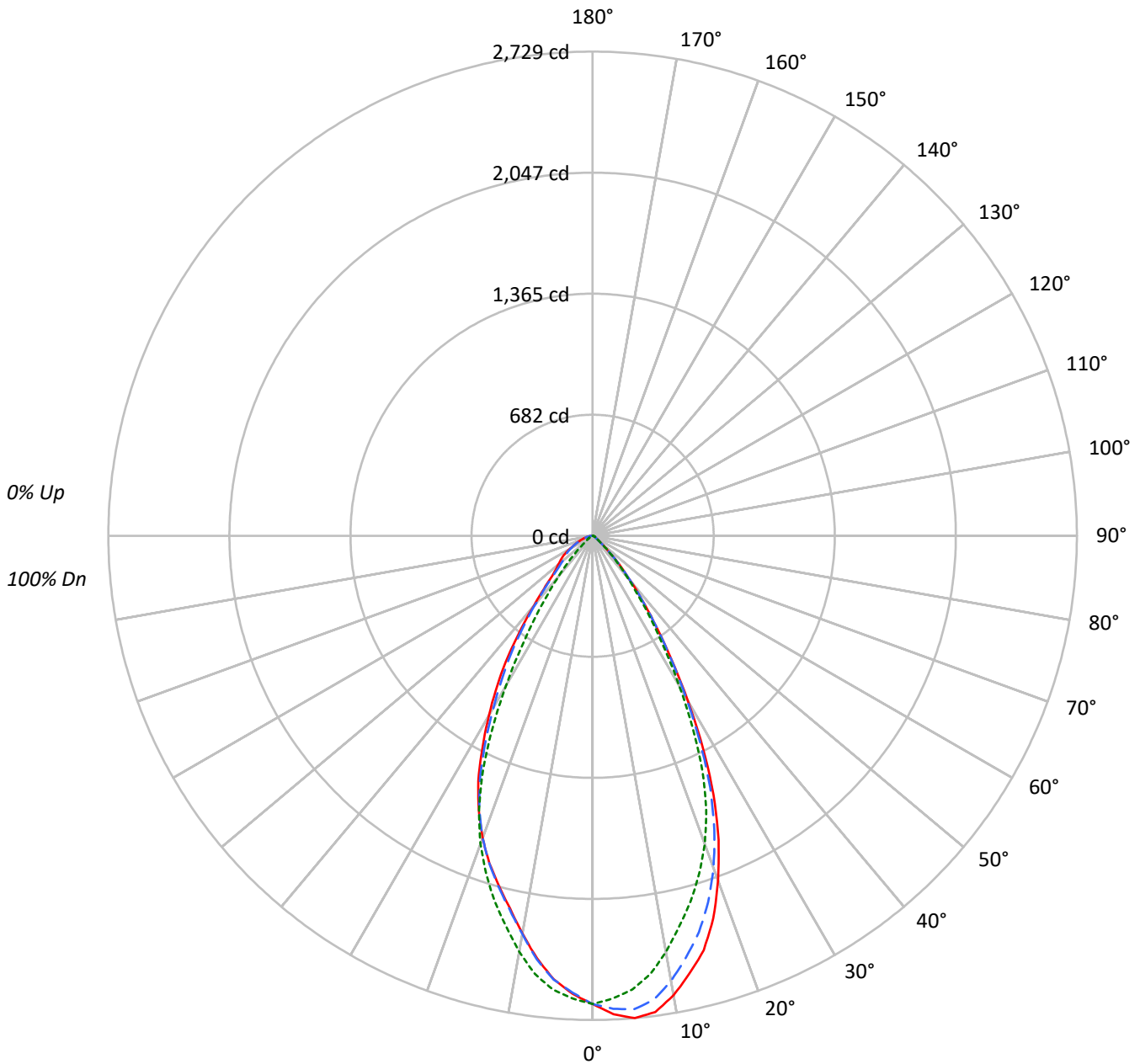
Lumens per Lamp: N/A
Luminaire Lumens: 2272.0 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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°	144665	144665	144665
5°	150165	141272	138075
10°	146329	132513	126679
15°	137231	121079	115846
20°	120475	107792	105733
25°	97439	88554	92207
30°	67738	61687	73796
35°	41753	37791	55693
40°	23623	21183	36991
45°	11474	10947	25243
50°	4367	4367	21458
55°	2389	2829	19803
60°	1743	2248	16227
65°	1479	1920	13296
70°	1282	1635	10947
75°	1207	1694	9404
80°	726	1452	6819
85°	692	2893	6416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.6	10.6
10°-20°	607.2	26.7
20°-30°	683.5	30.1
30°-40°	423.2	18.6
40°-50°	168.5	7.4
50°-60°	76.7	3.4
60°-70°	44.1	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°	1532.3	67.4
0°-40°	1955.5	86.1
0°-60°	2200.8	96.9
0°-90°	2272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2272.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2639	2639	2639	2639	2639	
5°	2729	2679	2567	2511	2509	257
15°	2418	2313	2133	2047	2041	669
25°	1611	1568	1464	1500	1524	724
35°	624	620	565	787	832	401
45°	148	148	141	307	326	125
55°	25	24	30	182	207	25
65°	11	10	15	101	102	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°	2638.9	2638.9	2638.9	2638.9	2638.9	2638.9	2638.9	2638.9	2638.9
2.5°	2699.2	2674.2	2668.5	2646.9	2610.4	2589.9	2577.4	2568.3	2584.3
5°	2728.8	2701.5	2678.7	2634.3	2567.2	2529.6	2511.4	2496.6	2509.1
7.5°	2707.2	2668.5	2637.8	2576.3	2490.9	2432.8	2407.8	2390.7	2402.1
10°	2628.7	2582.0	2546.7	2473.8	2380.5	2311.0	2280.3	2264.4	2275.7
12.5°	2526.2	2487.5	2434.0	2354.3	2254.1	2181.2	2158.5	2146.0	2150.5
15°	2418.0	2372.5	2313.3	2233.6	2133.4	2060.6	2046.9	2038.9	2041.2
17.5°	2260.9	2216.5	2165.3	2087.9	1995.7	1936.5	1936.5	1930.8	1934.2
20°	2065.1	2041.2	1991.1	1926.2	1847.7	1794.2	1811.3	1805.6	1812.4
22.5°	1853.4	1835.2	1791.9	1738.4	1672.4	1630.2	1667.8	1666.7	1675.8
25°	1610.9	1597.2	1567.6	1522.1	1464.0	1437.8	1500.5	1500.5	1524.4
27.5°	1343.4	1329.7	1309.2	1270.5	1222.7	1214.7	1306.9	1318.3	1344.5
30°	1070.1	1061.0	1049.6	1014.3	974.5	989.3	1116.8	1136.2	1165.8
32.5°	826.5	820.8	817.4	785.5	750.2	799.2	944.9	969.9	999.5
35°	623.9	611.3	620.4	596.5	564.7	626.1	786.7	808.3	832.2
37.5°	459.9	450.8	458.8	441.7	413.3	480.4	631.8	645.5	661.4
40°	330.1	322.2	329.0	318.8	296.0	358.6	495.2	510.0	516.9
42.5°	234.5	220.9	227.7	219.7	208.3	269.8	389.3	403.0	405.3
45°	148.0	143.4	148.0	143.4	141.2	200.4	307.4	319.9	325.6
47.5°	89.9	84.2	84.2	82.0	84.2	148.0	253.9	272.1	281.2
50°	51.2	49.0	47.8	46.7	51.2	116.1	219.7	240.2	251.6
52.5°	34.2	33.0	33.0	31.9	37.6	97.9	198.1	216.3	227.7
55°	25.0	23.9	23.9	23.9	29.6	84.2	182.2	196.9	207.2
57.5°	19.4	19.4	19.4	18.2	25.0	71.7	162.8	170.8	178.7
60°	15.9	14.8	14.8	14.8	20.5	61.5	140.0	143.4	148.0
62.5°	12.5	12.5	12.5	12.5	17.1	54.6	120.7	120.7	123.0
65°	11.4	10.2	10.2	10.2	14.8	47.8	101.3	100.2	102.5
67.5°	9.1	9.1	9.1	9.1	12.5	41.0	83.1	82.0	84.2
70°	8.0	8.0	8.0	8.0	10.2	34.2	67.2	66.0	68.3
72.5°	6.8	6.8	6.8	6.8	9.1	28.5	53.5	53.5	54.6
75°	5.7	5.7	5.7	5.7	8.0	21.6	43.3	43.3	44.4
77.5°	4.6	4.6	4.6	4.6	5.7	17.1	33.0	31.9	31.9
80°	2.3	3.4	3.4	3.4	4.6	12.5	23.9	21.6	21.6
82.5°	1.1	2.3	2.3	2.3	4.6	9.1	15.9	14.8	14.8
85°	1.1	1.1	1.1	3.4	4.6	6.8	10.2	10.2	10.2
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)