

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: P857530

Luminaire Tested: **LD4C30D010 EU4309030 4LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P857530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30D010 EU4309030 4LBMDSWWMH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

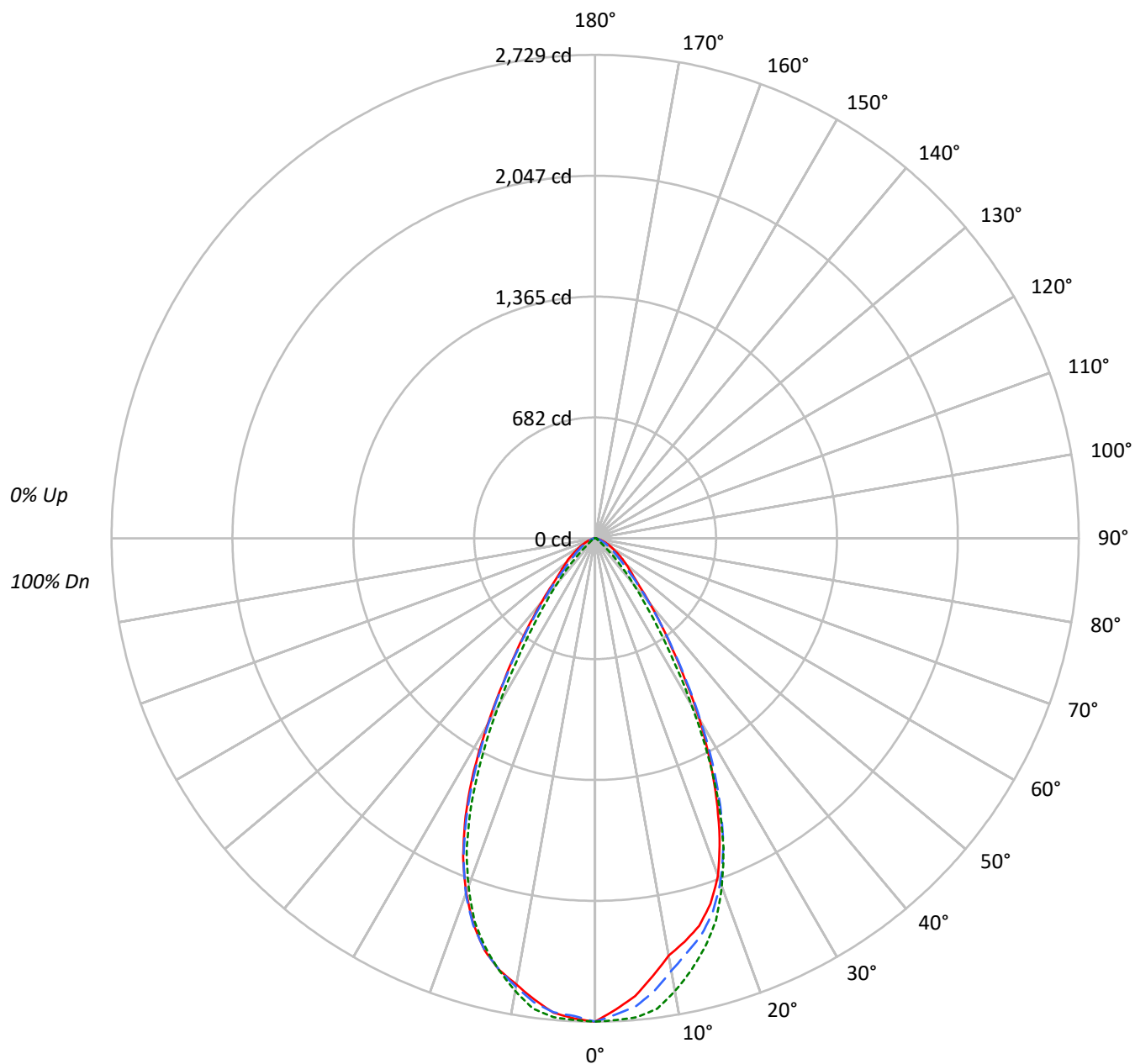
Lumens per Lamp: N/A
Luminaire Lumens: 2484.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	335218	335218	335218
5°	319875	334686	331566
10°	298336	323835	319107
15°	288092	304168	306318
20°	265006	273268	278223
25°	219638	223637	234495
30°	167081	154527	171876
35°	113127	92595	114402
40°	77044	53052	74686
45°	53443	26721	50524
50°	43500	10875	40672
55°	35213	6768	32043
60°	27961	5184	25357
65°	22064	4273	19593
70°	16667	3772	15122
75°	12009	2990	11012
80°	8914	2971	7429
85°	5920	2960	5920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.9	10.1
10°-20°	659.2	26.5
20°-30°	756.3	30.4
30°-40°	459.4	18.5
40°-50°	196.9	7.9
50°-60°	94.5	3.8
60°-70°	45.9	1.8
70°-80°	17.0	0.7
80°-90°	3.9	0.2
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°	1666.3	67.1
0°-40°	2125.8	85.6
0°-60°	2417.1	97.3
0°-90°	2484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2484.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2729	2729	2729	2729	2729	
5°	2594	2651	2714	2686	2689	241
15°	2265	2318	2392	2406	2408	631
25°	1620	1673	1650	1713	1730	735
35°	754	765	617	746	763	483
45°	308	274	154	246	291	250
55°	164	122	32	110	150	148
65°	76	51	15	46	67	77
75°	25	17	6	15	23	28
85°	4	4	2	2	4	6
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°	2728.6	2728.6	2728.6	2728.6	2728.6	2728.6	2728.6	2728.6	2728.6
2.5°	2663.3	2692.8	2690.7	2716.0	2722.3	2716.0	2699.1	2716.0	2713.9
5°	2593.8	2627.5	2650.7	2692.8	2713.9	2709.7	2686.5	2690.7	2688.6
7.5°	2492.6	2534.8	2574.8	2638.0	2678.1	2676.0	2642.2	2635.9	2627.5
10°	2391.5	2431.5	2477.9	2543.2	2595.9	2604.3	2570.6	2562.2	2558.0
12.5°	2332.5	2364.1	2395.7	2452.6	2499.0	2515.8	2496.9	2499.0	2496.9
15°	2265.1	2296.7	2317.8	2359.9	2391.5	2414.7	2406.3	2418.9	2408.4
17.5°	2163.9	2201.9	2210.3	2241.9	2265.1	2279.8	2288.3	2300.9	2284.0
20°	2027.0	2056.5	2067.0	2079.7	2090.2	2109.2	2134.4	2147.1	2128.1
22.5°	1835.2	1892.1	1890.0	1883.7	1894.2	1900.6	1940.6	1961.7	1946.9
25°	1620.3	1679.3	1673.0	1647.7	1649.8	1662.5	1713.0	1740.4	1729.9
27.5°	1394.9	1449.7	1434.9	1386.4	1373.8	1392.8	1458.1	1489.7	1483.4
30°	1177.8	1213.7	1190.5	1104.1	1089.3	1112.5	1196.8	1228.4	1211.6
32.5°	944.0	971.4	960.8	855.5	830.2	853.4	952.4	981.9	962.9
35°	754.3	779.6	764.9	640.5	617.4	642.7	745.9	779.6	762.8
37.5°	604.7	623.7	604.7	472.0	450.9	476.2	575.2	619.5	598.4
40°	480.4	495.2	469.9	347.7	330.8	343.5	436.2	480.4	465.7
42.5°	379.3	389.8	362.4	255.0	236.0	252.8	328.7	368.7	360.3
45°	307.6	307.6	273.9	177.0	153.8	170.7	246.5	288.7	290.8
47.5°	263.4	257.1	214.9	118.0	88.5	111.7	196.0	240.2	246.5
50°	227.6	219.1	177.0	86.4	56.9	80.1	162.2	206.5	212.8
52.5°	196.0	189.6	147.5	67.4	40.0	61.1	137.0	179.1	185.4
55°	164.4	160.1	122.2	52.7	31.6	46.4	109.6	145.4	149.6
57.5°	134.9	128.5	99.0	44.2	25.3	37.9	90.6	120.1	124.3
60°	113.8	107.5	80.1	35.8	21.1	29.5	73.7	99.0	103.2
62.5°	94.8	88.5	65.3	29.5	16.9	25.3	59.0	80.1	84.3
65°	75.9	71.6	50.6	23.2	14.7	19.0	46.4	63.2	67.4
67.5°	61.1	56.9	40.0	19.0	12.6	14.7	35.8	50.6	54.8
70°	46.4	42.1	29.5	14.7	10.5	12.6	27.4	37.9	42.1
72.5°	33.7	31.6	23.2	12.6	8.4	10.5	19.0	27.4	31.6
75°	25.3	23.2	16.9	8.4	6.3	8.4	14.7	21.1	23.2
77.5°	16.9	16.9	12.6	6.3	6.3	6.3	10.5	14.7	14.7
80°	12.6	10.5	8.4	4.2	4.2	4.2	6.3	10.5	10.5
82.5°	8.4	6.3	6.3	4.2	4.2	4.2	4.2	6.3	6.3
85°	4.2	4.2	4.2	2.1	2.1	2.1	2.1	4.2	4.2
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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)