

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: P859341

Luminaire Tested: **LD4C65D010 EU4659030 4LBMDSWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P859341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C65D010 EU4659030 4LBMDSWLI
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

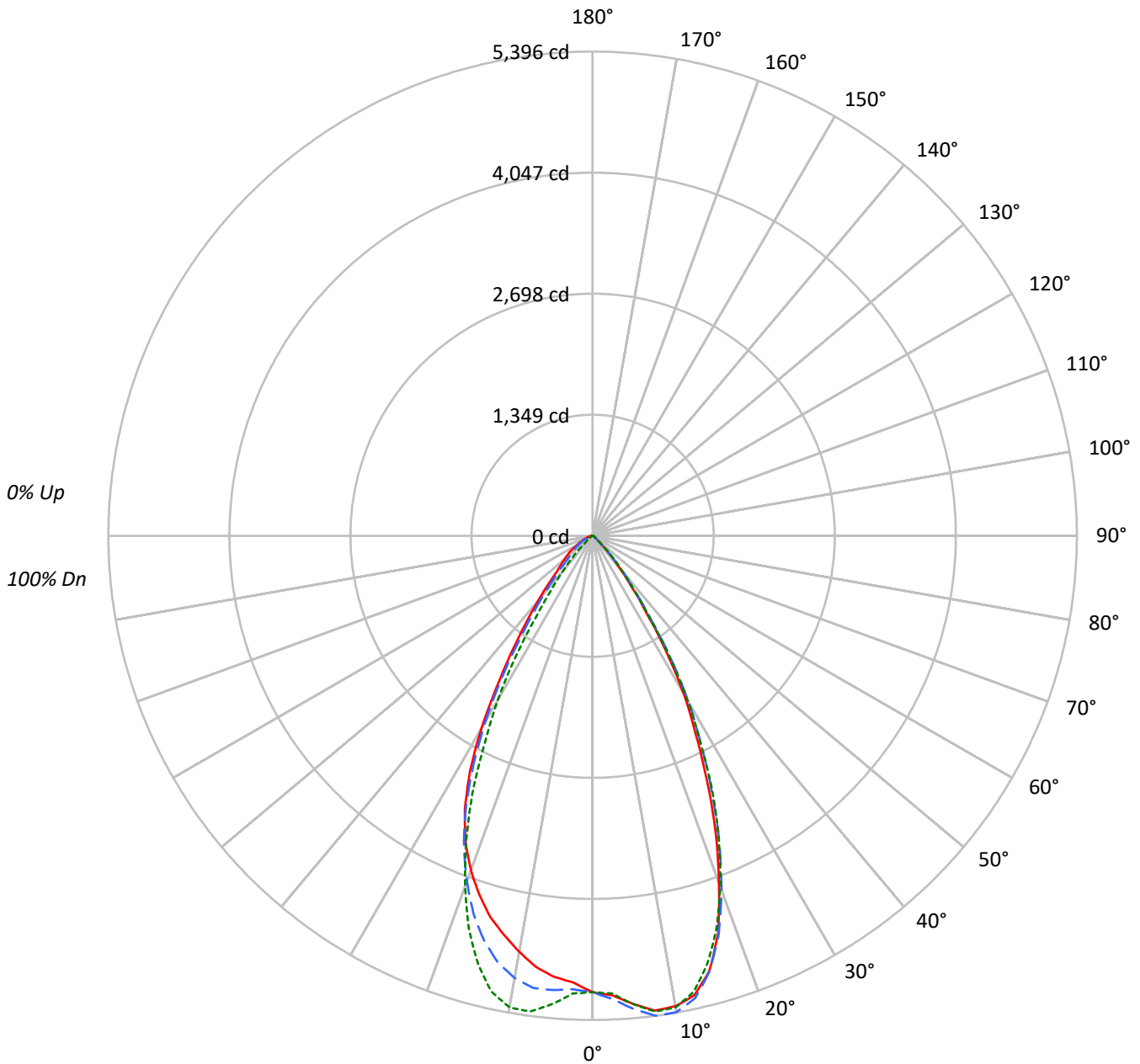
Lumens per Lamp: N/A
Luminaire Lumens: 4522.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93								
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87								
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80								
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75								
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70								
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65								
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61								
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58								
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54								
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	624857	624857	624857
5°	646137	646569	608363
10°	664037	665771	587167
15°	638938	627860	559675
20°	537974	542981	518402
25°	408668	429434	456342
30°	287420	299280	351129
35°	155076	162379	232343
40°	74814	82625	150751
45°	26617	36295	97990
50°	9977	12633	78515
55°	7454	8953	64878
60°	5995	6855	47053
65°	5058	6076	36424
70°	3736	4993	28772
75°	3323	4937	21503
80°	2476	4952	14786
85°	0	4934	9867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.2	11.0
10°-20°	1336.0	29.5
20°-30°	1449.2	32.0
30°-40°	804.0	17.8
40°-50°	256.1	5.7
50°-60°	103.2	2.3
60°-70°	52.2	1.2
70°-80°	21.6	0.5
80°-90°	4.5	0.1
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°	3280.4	72.5
0°-40°	4084.4	90.3
0°-60°	4443.8	98.3
0°-90°	4522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4522.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5086	5086	5086	5086	5086	
5°	5239	5295	5243	5083	4933	504
15°	5024	5027	4936	4672	4400	1374
25°	3015	3140	3168	3339	3366	1377
35°	1034	1118	1083	1431	1549	686
45°	153	181	209	466	564	147
55°	35	35	42	223	303	32
65°	17	17	21	101	125	17
75°	7	7	10	35	45	8
85°	0	0	4	7	7	0
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°	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2	5086.2
2.5°	5128.0	5173.3	5169.8	5135.0	5107.1	5096.7	5058.4	5013.1	4981.8
5°	5239.4	5295.1	5295.1	5267.3	5242.9	5183.7	5082.8	4985.3	4933.1
7.5°	5336.9	5392.6	5396.1	5375.2	5347.3	5249.9	5082.8	4926.1	4846.0
10°	5323.0	5364.7	5389.1	5368.2	5336.9	5208.1	5002.7	4793.8	4706.8
12.5°	5242.9	5281.2	5277.7	5246.4	5204.6	5072.3	4870.4	4654.5	4557.1
15°	5023.6	5044.5	5027.1	4992.2	4936.5	4835.6	4672.0	4487.4	4400.4
17.5°	4644.1	4672.0	4665.0	4609.3	4588.4	4490.9	4414.3	4271.6	4195.0
20°	4114.9	4202.0	4202.0	4160.2	4153.2	4087.1	4097.5	4020.9	3965.2
22.5°	3582.3	3658.9	3683.3	3665.8	3679.8	3648.4	3745.9	3725.0	3697.2
25°	3014.8	3091.4	3140.2	3133.2	3168.0	3168.0	3338.6	3380.4	3366.5
27.5°	2482.2	2555.3	2611.0	2624.9	2604.0	2642.3	2875.6	2959.1	2959.1
30°	2026.1	2085.3	2137.5	2137.5	2109.7	2137.5	2384.7	2482.2	2475.2
32.5°	1510.9	1577.0	1625.8	1618.8	1594.5	1632.7	1893.8	1991.3	1967.0
35°	1034.0	1079.2	1117.5	1103.6	1082.7	1145.4	1430.8	1552.7	1549.2
37.5°	699.7	741.5	765.9	755.5	748.5	821.6	1082.7	1218.5	1211.5
40°	466.5	494.3	511.8	508.3	515.2	577.9	814.6	940.0	940.0
42.5°	295.9	313.3	330.7	330.7	348.1	414.3	619.7	727.6	727.6
45°	153.2	163.6	181.0	191.5	208.9	278.5	466.5	557.0	564.0
47.5°	73.1	76.6	83.6	87.0	101.0	174.1	358.6	456.1	476.9
50°	52.2	55.7	55.7	55.7	66.1	132.3	302.9	393.4	410.8
52.5°	41.8	41.8	41.8	45.3	52.2	111.4	261.1	341.2	355.1
55°	34.8	34.8	34.8	34.8	41.8	90.5	222.8	292.4	302.9
57.5°	27.9	27.9	27.9	27.9	34.8	73.1	184.5	233.2	236.7
60°	24.4	24.4	24.4	24.4	27.9	62.7	149.7	191.5	191.5
62.5°	20.9	20.9	20.9	20.9	24.4	52.2	125.3	156.7	153.2
65°	17.4	17.4	17.4	17.4	20.9	41.8	101.0	125.3	125.3
67.5°	13.9	13.9	13.9	13.9	17.4	34.8	80.1	101.0	101.0
70°	10.4	10.4	10.4	10.4	13.9	27.9	66.1	80.1	80.1
72.5°	10.4	10.4	10.4	10.4	10.4	20.9	48.7	62.7	59.2
75°	7.0	7.0	7.0	7.0	10.4	17.4	34.8	45.3	45.3
77.5°	7.0	7.0	7.0	7.0	7.0	13.9	27.9	31.3	31.3
80°	3.5	3.5	3.5	3.5	7.0	10.4	17.4	20.9	20.9
82.5°	0.0	3.5	0.0	3.5	3.5	7.0	13.9	13.9	13.9
85°	0.0	0.0	0.0	0.0	3.5	3.5	7.0	10.4	7.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5
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)