

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: P859340

Luminaire Tested: **LD4C65D010 EU4659030 4LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P859340
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: LD4C65D010 EU4659030 4LBMDSWH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

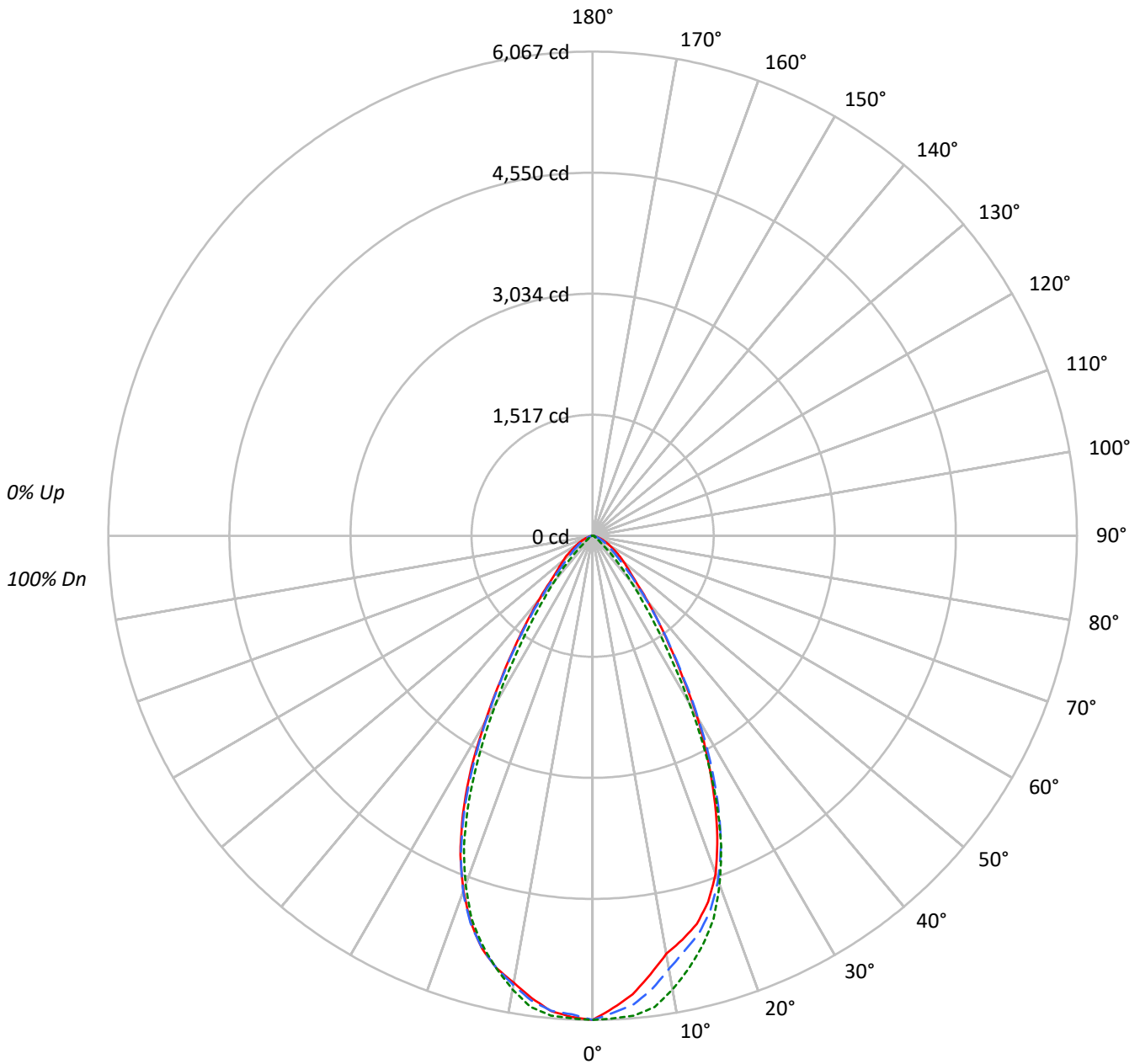
Lumens per Lamp: N/A
Luminaire Lumens: 5523.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	72	72	72	72
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	67	67	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62	62	62	62
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58	58	58	58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	49	48	48	48	48

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	745340	745340	745340
5°	711215	744142	737211
10°	663339	720024	709508
15°	640553	676306	681062
20°	589223	607591	618613
25°	488360	497252	521381
30°	371514	343597	382140
35°	251540	205873	254345
40°	171311	117955	166051
45°	118839	59419	112324
50°	96710	24177	90441
55°	78264	15057	71239
60°	62164	11499	56414
65°	49040	9535	43575
70°	37033	8405	33657
75°	26676	6693	24445
80°	19880	6650	16555
85°	13250	6625	13250



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.8	10.1
10°-20°	1465.6	26.5
20°-30°	1681.5	30.4
30°-40°	1021.5	18.5
40°-50°	437.8	7.9
50°-60°	210.0	3.8
60°-70°	102.1	1.8
70°-80°	37.9	0.7
80°-90°	8.7	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°	3704.9	67.1
0°-40°	4726.5	85.6
0°-60°	5374.3	97.3
0°-90°	5523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5523.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6067	6067	6067	6067	6067	
5°	5767	5894	6034	5973	5978	536
15°	5036	5153	5317	5350	5355	1402
25°	3603	3720	3668	3809	3846	1634
35°	1677	1701	1373	1658	1696	1075
45°	684	609	342	548	646	556
55°	365	272	70	244	333	330
65°	169	112	33	103	150	171
75°	56	38	14	33	52	62
85°	9	9	5	5	9	13
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°	6066.9	6066.9	6066.9	6066.9	6066.9	6066.9	6066.9	6066.9	6066.9
2.5°	5921.7	5987.3	5982.6	6038.8	6052.9	6038.8	6001.3	6038.8	6034.1
5°	5767.1	5842.1	5893.6	5987.3	6034.1	6024.8	5973.2	5982.6	5977.9
7.5°	5542.2	5635.9	5724.9	5865.5	5954.5	5949.8	5874.9	5860.8	5842.1
10°	5317.4	5406.4	5509.4	5654.7	5771.8	5790.5	5715.6	5696.8	5687.5
12.5°	5186.2	5256.4	5326.7	5453.2	5556.3	5593.8	5551.6	5556.3	5551.6
15°	5036.3	5106.5	5153.4	5247.1	5317.4	5368.9	5350.1	5378.3	5354.8
17.5°	4811.4	4895.7	4914.5	4984.7	5036.3	5069.1	5087.8	5115.9	5078.4
20°	4506.9	4572.5	4595.9	4624.0	4647.4	4689.6	4745.8	4773.9	4731.7
22.5°	4080.5	4207.0	4202.3	4188.3	4211.7	4225.8	4314.8	4361.6	4328.8
25°	3602.7	3733.9	3719.8	3663.6	3668.3	3696.4	3808.8	3869.7	3846.3
27.5°	3101.4	3223.2	3190.4	3082.7	3054.5	3096.7	3241.9	3312.2	3298.2
30°	2618.9	2698.5	2647.0	2454.9	2422.1	2473.6	2661.0	2731.3	2693.8
32.5°	2098.8	2159.7	2136.3	1902.1	1845.8	1897.4	2117.6	2183.2	2141.0
35°	1677.2	1733.4	1700.6	1424.2	1372.7	1428.9	1658.5	1733.4	1695.9
37.5°	1344.6	1386.7	1344.6	1049.4	1002.6	1058.8	1279.0	1377.4	1330.5
40°	1068.2	1100.9	1044.7	773.0	735.5	763.6	969.8	1068.2	1035.4
42.5°	843.3	866.7	805.8	566.9	524.7	562.2	730.8	819.9	801.1
45°	684.0	684.0	609.0	393.5	342.0	379.5	548.1	641.8	646.5
47.5°	585.6	571.6	477.9	262.4	196.8	248.3	435.7	534.1	548.1
50°	506.0	487.2	393.5	192.1	126.5	178.0	360.7	459.1	473.2
52.5°	435.7	421.6	327.9	149.9	89.0	135.9	304.5	398.2	412.3
55°	365.4	356.1	271.7	117.1	70.3	103.1	243.6	323.3	332.6
57.5°	299.8	285.8	220.2	98.4	56.2	84.3	201.5	267.0	276.4
60°	253.0	238.9	178.0	79.6	46.8	65.6	164.0	220.2	229.6
62.5°	210.8	196.8	145.2	65.6	37.5	56.2	131.2	178.0	187.4
65°	168.7	159.3	112.4	51.5	32.8	42.2	103.1	140.5	149.9
67.5°	135.9	126.5	89.0	42.2	28.1	32.8	79.6	112.4	121.8
70°	103.1	93.7	65.6	32.8	23.4	28.1	60.9	84.3	93.7
72.5°	75.0	70.3	51.5	28.1	18.7	23.4	42.2	60.9	70.3
75°	56.2	51.5	37.5	18.7	14.1	18.7	32.8	46.8	51.5
77.5°	37.5	37.5	28.1	14.1	14.1	14.1	23.4	32.8	32.8
80°	28.1	23.4	18.7	9.4	9.4	9.4	14.1	23.4	23.4
82.5°	18.7	14.1	14.1	9.4	9.4	9.4	9.4	14.1	14.1
85°	9.4	9.4	9.4	4.7	4.7	4.7	4.7	9.4	9.4
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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)