

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: P#

Luminaire Tested: **LD4C75D010 EX4C759040 4LCSQWH**

Issue Date: 2/18/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-14)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C75D010 EX4C759040 4LCSQWH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

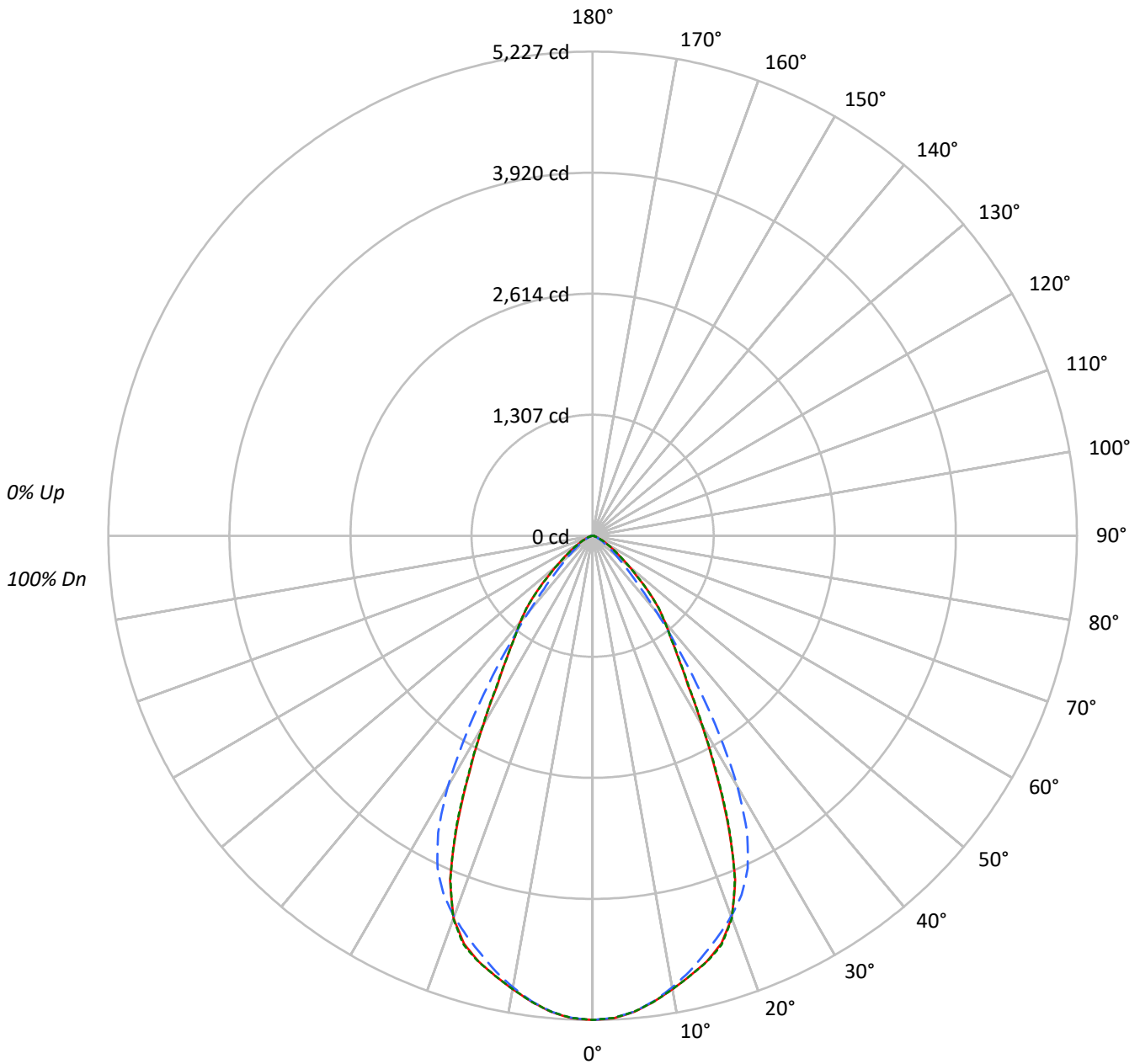
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5531.9 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
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									
RC	80									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	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77																			
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71																			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66																			
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61																			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56																			
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	504319	504319	504319
5°	499697	499378	499542
10°	486908	484968	486908
15°	475179	466619	475679
20°	450535	448841	451387
25°	369567	421681	371494
30°	263532	348375	263899
35°	190080	230847	190657
40°	152383	134119	152383
45°	116288	78271	115387
50°	76706	49987	76451
55°	51577	33544	51022
60°	34678	22906	34987
65°	23699	16187	23334
70°	15798	11623	15798
75°	10439	8612	10439
80°	7335	6390	7335
85°	5425	5425	5425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.9	8.8
10°-20°	1324.8	23.9
20°-30°	1656.2	29.9
30°-40°	1114.2	20.1
40°-50°	588.3	10.6
50°-60°	239.1	4.3
60°-70°	88.7	1.6
70°-80°	28.6	0.5
80°-90°	6.1	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°	3466.9	62.7
0°-40°	4581.1	82.8
0°-60°	5408.5	97.8
0°-90°	5531.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5531.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5227	5227	5227	5227	5227	
5°	5159	5154	5156	5156	5158	486
15°	4757	4717	4671	4716	4762	1333
25°	3471	3666	3961	3672	3489	1562
35°	1614	1694	1960	1698	1619	1038
45°	852	809	574	806	846	653
55°	307	257	199	257	303	284
65°	104	84	71	84	102	107
75°	28	25	23	25	28	33
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5226.7	5226.7	5226.7	5226.7	5226.7
2.5°	5213.5	5210.2	5208.6	5208.6	5210.2
5°	5159.1	5154.2	5155.8	5155.8	5157.5
7.5°	5071.8	5070.1	5065.2	5071.8	5071.8
10°	4969.6	4961.3	4949.8	4963.0	4969.6
12.5°	4864.1	4839.4	4819.6	4839.4	4864.1
15°	4756.9	4717.4	4671.2	4715.7	4761.9
17.5°	4616.8	4577.3	4526.2	4585.5	4630.0
20°	4387.7	4391.0	4371.2	4387.7	4396.0
22.5°	4020.2	4094.3	4198.2	4096.0	4008.6
25°	3471.3	3665.8	3960.8	3672.4	3489.4
27.5°	2882.8	3130.1	3613.0	3144.9	2901.0
30°	2365.3	2584.5	3126.8	2599.3	2368.6
32.5°	1915.3	2078.5	2541.6	2098.3	1936.7
35°	1613.7	1694.4	1959.8	1697.7	1618.6
37.5°	1382.9	1382.9	1455.4	1389.5	1376.3
40°	1209.8	1157.1	1064.8	1155.4	1209.8
42.5°	1048.3	969.2	773.0	965.9	1051.6
45°	852.2	809.3	573.6	806.0	845.6
47.5°	654.4	624.7	431.8	621.4	659.3
50°	511.0	464.8	333.0	461.5	509.3
52.5°	392.3	342.8	257.1	342.8	389.0
55°	306.6	257.1	199.4	257.1	303.3
57.5°	235.7	196.1	151.6	192.8	234.1
60°	179.7	146.7	118.7	146.7	181.3
62.5°	136.8	112.1	90.7	110.4	135.2
65°	103.8	84.1	70.9	84.1	102.2
67.5°	75.8	62.6	54.4	62.6	77.5
70°	56.0	47.8	41.2	46.2	56.0
72.5°	41.2	34.6	31.3	34.6	41.2
75°	28.0	24.7	23.1	24.7	28.0
77.5°	19.8	18.1	16.5	18.1	19.8
80°	13.2	11.5	11.5	13.2	13.2
82.5°	8.2	8.2	8.2	8.2	8.2
85°	4.9	4.9	4.9	4.9	4.9
87.5°	3.3	3.3	3.3	3.3	3.3
90°	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)