

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 EX4C759027 4LCSQWLI**

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 (G1-2105-247-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C75D010 EX4C759027 4LCSQWLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

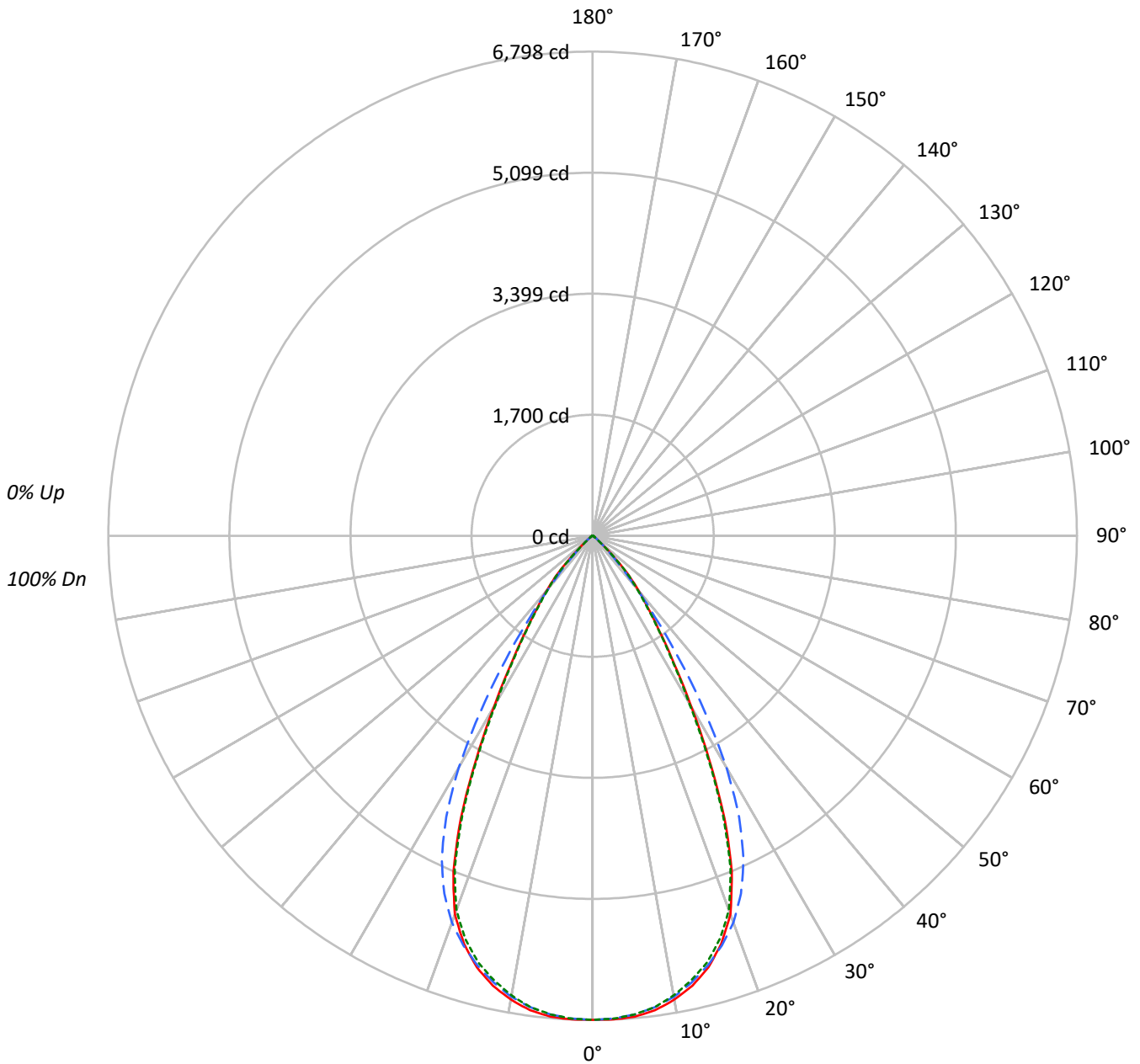
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6084.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
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 (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									
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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81																			
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71																			
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66																			
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62																			
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58																			
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55																			
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	655729	655729	655729
5°	656422	653400	653400
10°	647797	643976	641987
15°	626776	623810	619604
20°	580468	593139	574061
25°	466726	533543	460573
30°	308053	418333	300745
35°	192541	251201	189043
40°	125655	116410	120743
45°	60505	46436	57093
50°	15236	18509	14290
55°	8411	7621	8142
60°	5731	4824	5423
65°	3927	3562	3927
70°	3075	2652	3075
75°	2311	2311	2311
80°	1723	2612	2612
85°	1771	3432	3432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.1	10.5
10°-20°	1745.4	28.7
20°-30°	2080.0	34.2
30°-40°	1177.8	19.4
40°-50°	364.1	6.0
50°-60°	50.6	0.8
60°-70°	17.3	0.3
70°-80°	6.9	0.1
80°-90°	2.9	0.0
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°	4464.5	73.4
0°-40°	5642.3	92.7
0°-60°	6057.0	99.6
0°-90°	6084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6796	6796	6796	6796	6796	
5°	6777	6762	6746	6741	6746	642
15°	6274	6264	6245	6220	6203	1750
25°	4384	4640	5012	4648	4326	1955
35°	1635	1783	2133	1788	1605	1064
45°	443	517	340	503	418	366
55°	50	50	45	48	48	49
65°	17	17	16	17	17	18
75°	6	6	6	6	6	7
85°	2	3	3	3	3	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6795.9	6795.9	6795.9	6795.9	6795.9
2.5°	6797.5	6786.6	6783.5	6780.3	6786.6
5°	6777.2	6761.6	6746.0	6741.3	6746.0
7.5°	6719.4	6703.8	6677.3	6671.0	6675.7
10°	6611.7	6597.7	6572.7	6558.6	6552.4
12.5°	6469.6	6446.2	6422.8	6407.2	6391.6
15°	6274.5	6263.6	6244.8	6219.9	6202.7
17.5°	6004.4	6020.0	6030.9	5981.0	5935.7
20°	5653.1	5710.9	5776.5	5675.0	5590.7
22.5°	5105.2	5270.6	5437.7	5245.7	5058.3
25°	4383.9	4639.9	5011.5	4647.7	4326.1
27.5°	3542.4	3867.1	4452.6	3868.7	3495.5
30°	2764.9	3099.0	3754.7	3055.3	2699.3
32.5°	2123.2	2373.0	2933.5	2335.6	2078.0
35°	1634.6	1782.9	2132.6	1787.6	1604.9
37.5°	1270.8	1345.8	1434.8	1319.2	1233.4
40°	997.6	1000.7	924.2	985.1	958.6
42.5°	740.0	736.9	568.3	718.2	722.8
45°	443.4	516.8	340.3	502.7	418.4
47.5°	210.8	291.9	204.5	276.3	195.2
50°	101.5	140.5	123.3	131.1	95.2
52.5°	68.7	71.8	70.3	68.7	65.6
55°	50.0	50.0	45.3	48.4	48.4
57.5°	37.5	37.5	32.8	35.9	35.9
60°	29.7	28.1	25.0	28.1	28.1
62.5°	21.9	21.9	18.7	21.9	21.9
65°	17.2	17.2	15.6	17.2	17.2
67.5°	14.1	14.1	10.9	14.1	12.5
70°	10.9	10.9	9.4	10.9	10.9
72.5°	7.8	7.8	7.8	7.8	7.8
75°	6.2	6.2	6.2	6.2	6.2
77.5°	4.7	4.7	4.7	4.7	4.7
80°	3.1	3.1	4.7	4.7	4.7
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.6	3.1	3.1	3.1	3.1
87.5°	1.6	1.6	3.1	3.1	3.1
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)