

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: **LD4C08D010 EX4C089030 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: LD4C08D010 EX4C089030 4LCSQWLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

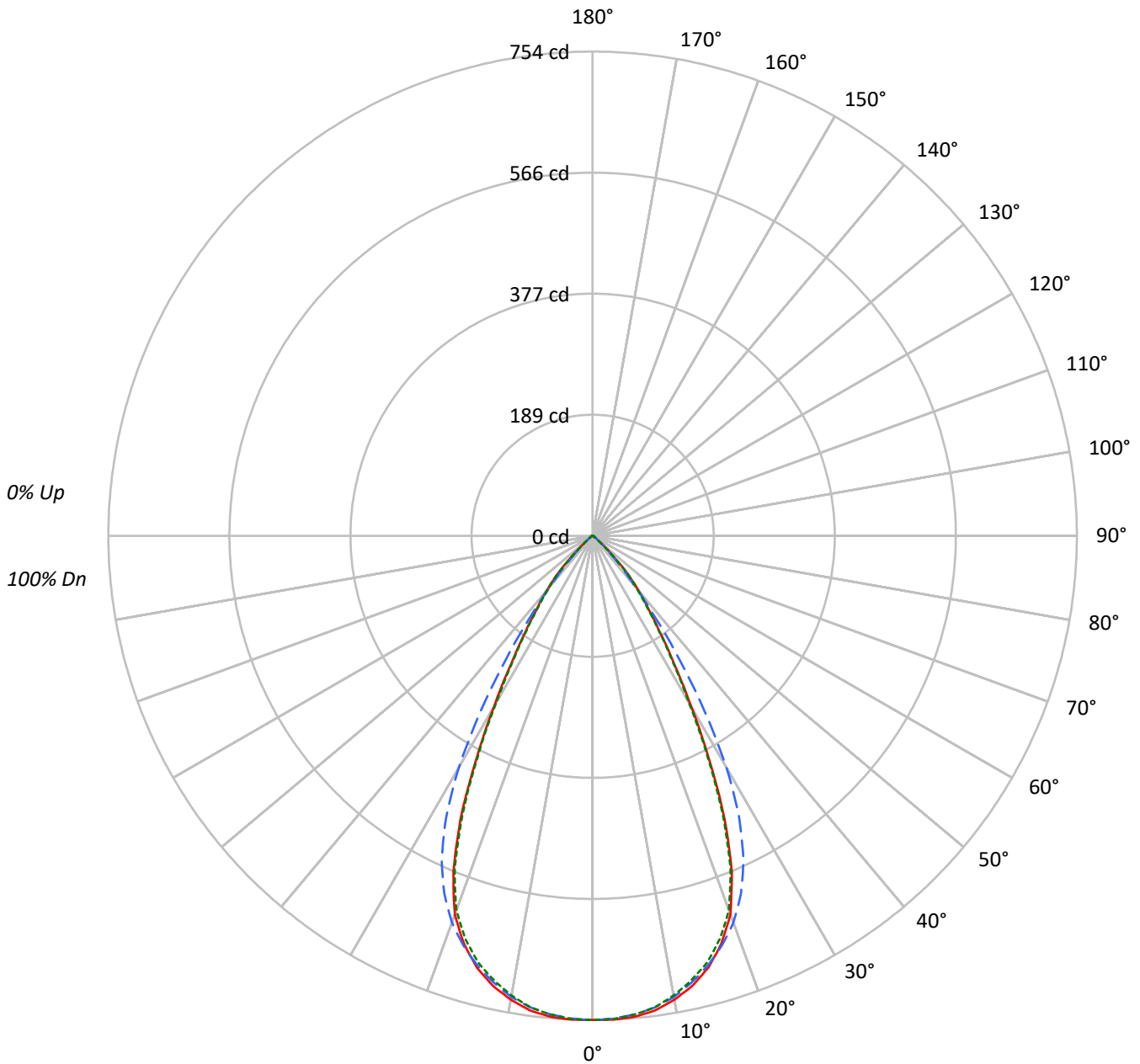
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 675.0 lumens
Efficiency: N/A
Efficacy: 68.2 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): 9.9
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	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°	72753	72753	72753
5°	72827	72488	72488
10°	71866	71445	71230
15°	69535	69206	68746
20°	64402	65808	63693
25°	51784	59194	51103
30°	34182	46416	33369
35°	21367	27869	20979
40°	13943	12911	13402
45°	6714	5158	6332
50°	1696	2057	1591
55°	925	841	908
60°	637	540	598
65°	434	388	434
70°	339	282	339
75°	261	261	261
80°	167	278	278
85°	221	332	332



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	10.5
10°-20°	193.6	28.7
20°-30°	230.8	34.2
30°-40°	130.7	19.4
40°-50°	40.4	6.0
50°-60°	5.6	0.8
60°-70°	1.9	0.3
70°-80°	0.8	0.1
80°-90°	0.3	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°	495.3	73.4
0°-40°	626.0	92.7
0°-60°	672.0	99.6
0°-90°	675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	752	750	748	748	748	71
15°	696	695	693	690	688	194
25°	486	515	556	516	480	217
35°	181	198	237	198	178	118
45°	49	57	38	56	46	41
55°	6	6	5	5	5	5
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	754.0	754.0	754.0	754.0	754.0
2.5°	754.2	752.9	752.6	752.3	752.9
5°	751.9	750.2	748.4	747.9	748.4
7.5°	745.5	743.8	740.8	740.1	740.7
10°	733.5	732.0	729.2	727.7	727.0
12.5°	717.8	715.2	712.6	710.9	709.1
15°	696.1	694.9	692.8	690.1	688.2
17.5°	666.2	667.9	669.1	663.6	658.5
20°	627.2	633.6	640.9	629.6	620.3
22.5°	566.4	584.8	603.3	582.0	561.2
25°	486.4	514.8	556.0	515.6	480.0
27.5°	393.0	429.0	494.0	429.2	387.8
30°	306.8	343.8	416.6	339.0	299.5
32.5°	235.6	263.3	325.5	259.1	230.5
35°	181.4	197.8	236.6	198.3	178.1
37.5°	141.0	149.3	159.2	146.4	136.8
40°	110.7	111.0	102.5	109.3	106.4
42.5°	82.1	81.8	63.0	79.7	80.2
45°	49.2	57.3	37.8	55.8	46.4
47.5°	23.4	32.4	22.7	30.7	21.7
50°	11.3	15.6	13.7	14.5	10.6
52.5°	7.6	8.0	7.8	7.6	7.3
55°	5.5	5.5	5.0	5.4	5.4
57.5°	4.2	4.2	3.6	4.0	4.0
60°	3.3	3.1	2.8	3.1	3.1
62.5°	2.4	2.4	2.1	2.4	2.4
65°	1.9	1.9	1.7	1.9	1.9
67.5°	1.6	1.6	1.2	1.6	1.4
70°	1.2	1.2	1.0	1.2	1.2
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.2	0.3	0.3	0.3	0.3
87.5°	0.2	0.2	0.3	0.3	0.3
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)