

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 EX4C089040 4LCSQWLI**

Issue Date: 2/18/2022



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 EX4C089040 4LCSQWLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

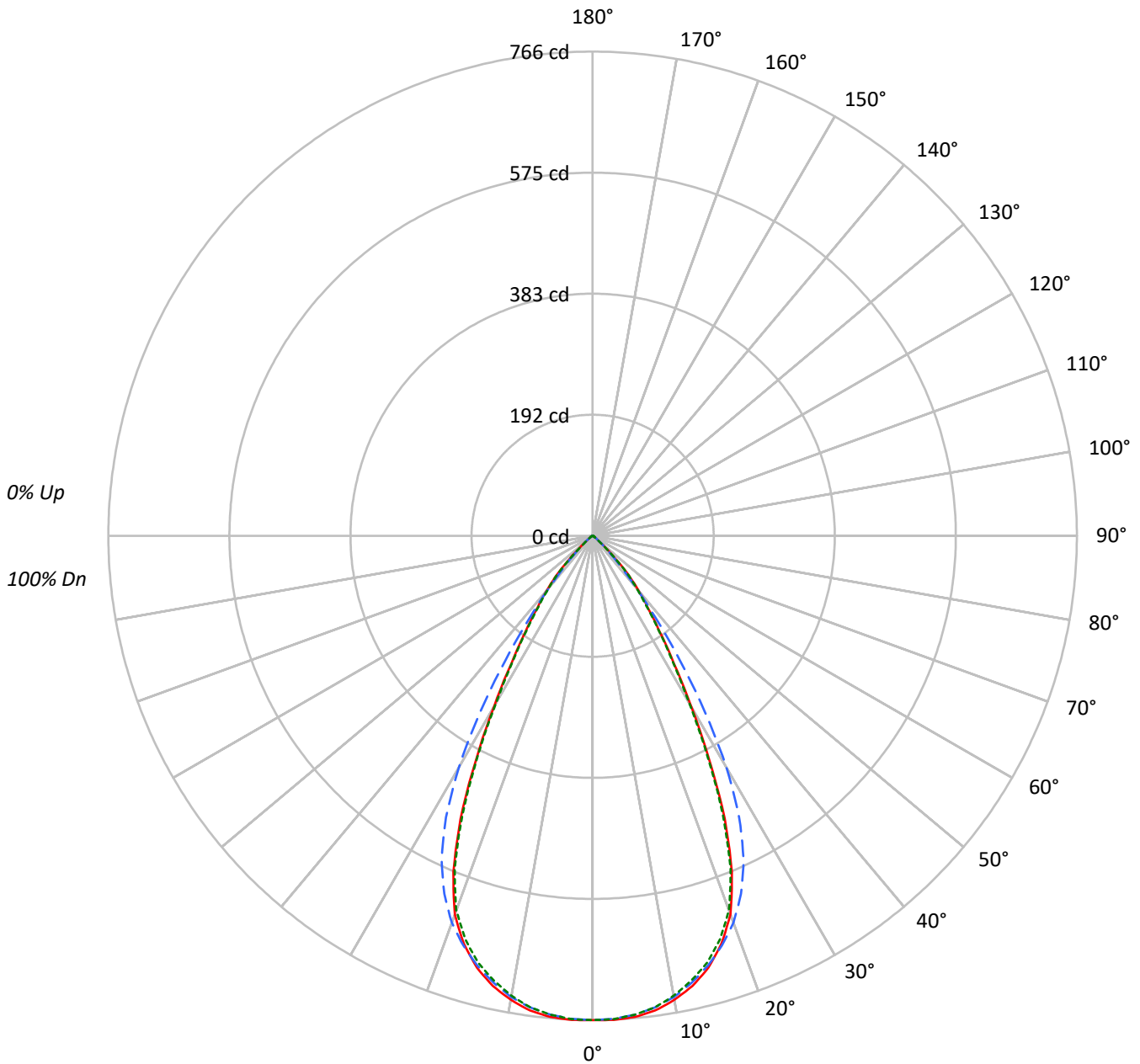
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 686.0 lumens
Efficiency: N/A
Efficacy: 69.3 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°	73939	73939	73939
5°	74018	73670	73670
10°	73042	72611	72386
15°	70674	70334	69865
20°	65449	66876	64730
25°	52625	60163	51933
30°	34739	47173	33915
35°	21709	28329	21320
40°	14170	13125	13616
45°	6823	5240	6441
50°	1711	2087	1606
55°	942	858	925
60°	637	540	618
65°	434	411	434
70°	339	310	339
75°	261	261	261
80°	222	278	278
85°	221	443	443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	10.5
10°-20°	196.8	28.7
20°-30°	234.5	34.2
30°-40°	132.8	19.4
40°-50°	41.1	6.0
50°-60°	5.7	0.8
60°-70°	1.9	0.3
70°-80°	0.8	0.1
80°-90°	0.4	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°	503.4	73.4
0°-40°	636.2	92.7
0°-60°	682.9	99.6
0°-90°	686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	764	762	761	760	761	72
15°	708	706	704	701	699	197
25°	494	523	565	524	488	220
35°	184	201	240	202	181	120
45°	50	58	38	57	47	41
55°	6	6	5	6	6	6
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°	766.3	766.3	766.3	766.3	766.3
2.5°	766.5	765.2	764.9	764.5	765.2
5°	764.2	762.4	760.6	760.1	760.6
7.5°	757.6	755.9	752.9	752.2	752.7
10°	745.5	743.9	741.1	739.5	738.8
12.5°	729.5	726.8	724.2	722.4	720.7
15°	707.5	706.2	704.1	701.3	699.4
17.5°	677.0	678.8	680.0	674.4	669.3
20°	637.4	643.9	651.3	639.9	630.4
22.5°	575.6	594.3	613.1	591.5	570.3
25°	494.3	523.2	565.1	524.1	487.8
27.5°	399.4	436.0	502.0	436.2	394.1
30°	311.8	349.4	423.4	344.5	304.4
32.5°	239.4	267.6	330.8	263.3	234.3
35°	184.3	201.0	240.5	201.6	181.0
37.5°	143.3	151.7	161.8	148.7	139.1
40°	112.5	112.8	104.2	111.1	108.1
42.5°	83.4	83.1	64.1	81.0	81.5
45°	50.0	58.3	38.4	56.7	47.2
47.5°	23.8	32.9	23.1	31.2	22.0
50°	11.4	15.8	13.9	14.8	10.7
52.5°	7.7	8.1	7.9	7.7	7.4
55°	5.6	5.6	5.1	5.5	5.5
57.5°	4.2	4.2	3.7	4.0	4.0
60°	3.3	3.2	2.8	3.2	3.2
62.5°	2.5	2.5	2.1	2.5	2.5
65°	1.9	1.9	1.8	1.9	1.9
67.5°	1.6	1.6	1.2	1.6	1.4
70°	1.2	1.2	1.1	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°	0.4	0.4	0.5	0.5	0.5
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.4	0.4	0.4	0.4
87.5°	0.2	0.2	0.4	0.4	0.4
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)