

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 EX4C089050 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 EX4C089050 4LCSQWLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

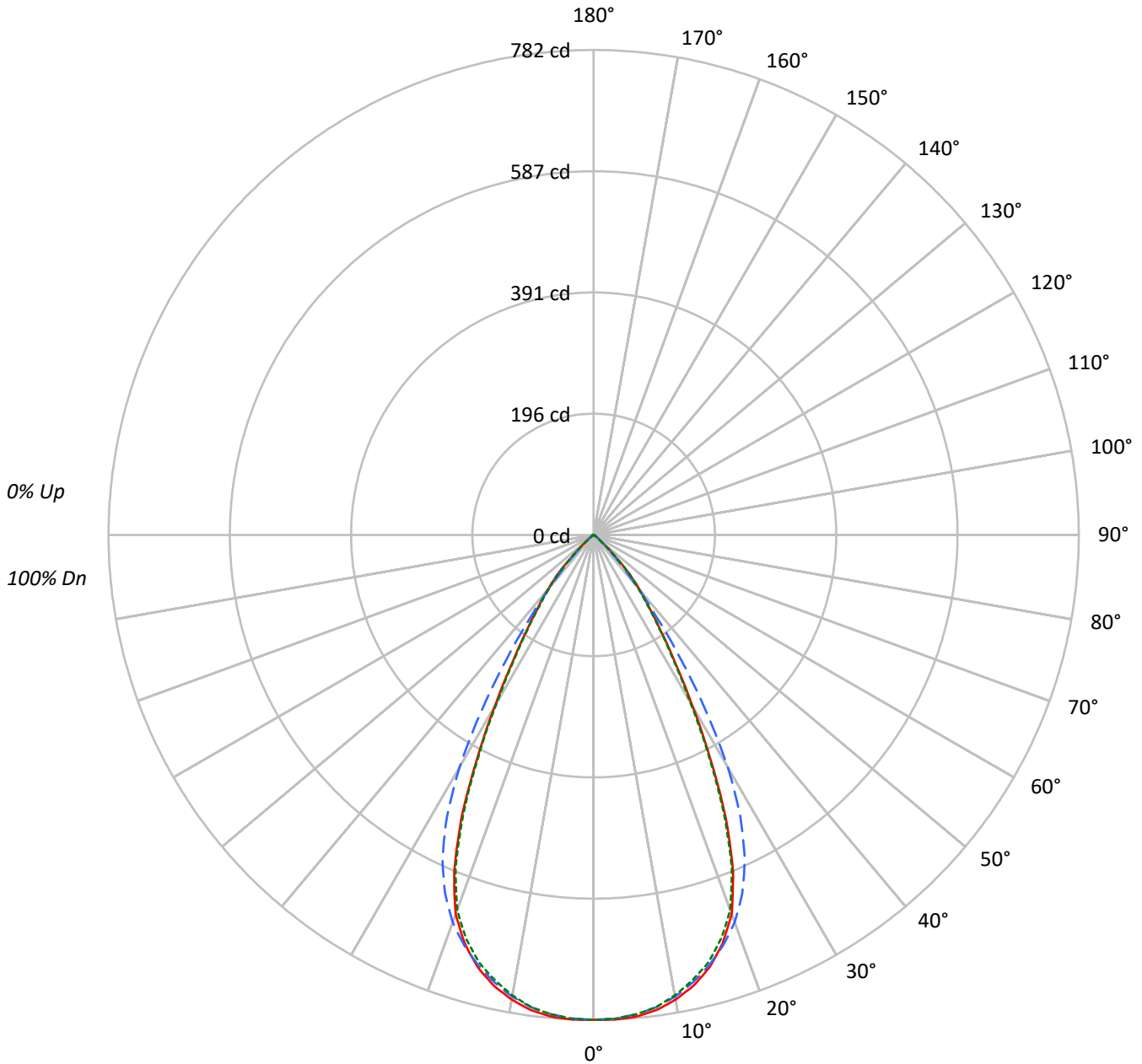
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 700.0 lumens
Efficiency: N/A
Efficacy: 70.7 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): 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°	75445	75445	75445
5°	75529	75181	75181
10°	74531	74091	73865
15°	72113	71773	71293
20°	66784	68242	66045
25°	53700	61387	52987
30°	35441	48132	34606
35°	22157	28906	21756
40°	14460	13389	13893
45°	6959	5349	6564
50°	1756	2132	1651
55°	959	875	942
60°	656	560	618
65°	457	411	457
70°	367	310	367
75°	261	261	261
80°	222	278	278
85°	221	443	443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	10.5
10°-20°	200.8	28.7
20°-30°	239.3	34.2
30°-40°	135.5	19.4
40°-50°	41.9	6.0
50°-60°	5.8	0.8
60°-70°	2.0	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°	513.7	73.4
0°-40°	649.2	92.7
0°-60°	696.9	99.6
0°-90°	700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	780	778	776	776	776	74
15°	722	721	718	716	714	201
25°	504	534	577	535	498	225
35°	188	205	245	206	185	122
45°	51	60	39	58	48	42
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°	781.9	781.9	781.9	781.9	781.9
2.5°	782.1	780.8	780.5	780.1	780.8
5°	779.8	778.0	776.2	775.6	776.2
7.5°	773.1	771.3	768.3	767.5	768.1
10°	760.7	759.1	756.2	754.6	753.9
12.5°	744.4	741.7	739.0	737.2	735.4
15°	721.9	720.7	718.5	715.6	713.7
17.5°	690.8	692.6	693.9	688.1	682.9
20°	650.4	657.1	664.6	652.9	643.2
22.5°	587.4	606.4	625.6	603.5	582.0
25°	504.4	533.8	576.6	534.7	497.7
27.5°	407.6	444.9	512.3	445.1	402.2
30°	318.1	356.6	432.0	351.5	310.6
32.5°	244.3	273.0	337.5	268.7	239.1
35°	188.1	205.1	245.4	205.7	184.7
37.5°	146.2	154.8	165.1	151.8	141.9
40°	114.8	115.1	106.3	113.3	110.3
42.5°	85.1	84.8	65.4	82.6	83.2
45°	51.0	59.5	39.2	57.8	48.1
47.5°	24.2	33.6	23.5	31.8	22.5
50°	11.7	16.2	14.2	15.1	11.0
52.5°	7.9	8.3	8.1	7.9	7.5
55°	5.7	5.7	5.2	5.6	5.6
57.5°	4.3	4.3	3.8	4.1	4.1
60°	3.4	3.2	2.9	3.2	3.2
62.5°	2.5	2.5	2.2	2.5	2.5
65°	2.0	2.0	1.8	2.0	2.0
67.5°	1.6	1.6	1.3	1.6	1.4
70°	1.3	1.3	1.1	1.3	1.3
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)