

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: P839403

Luminaire Tested: **LD4C80D010 EU4809027 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C80D010 EU4809027 4LBSLI
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

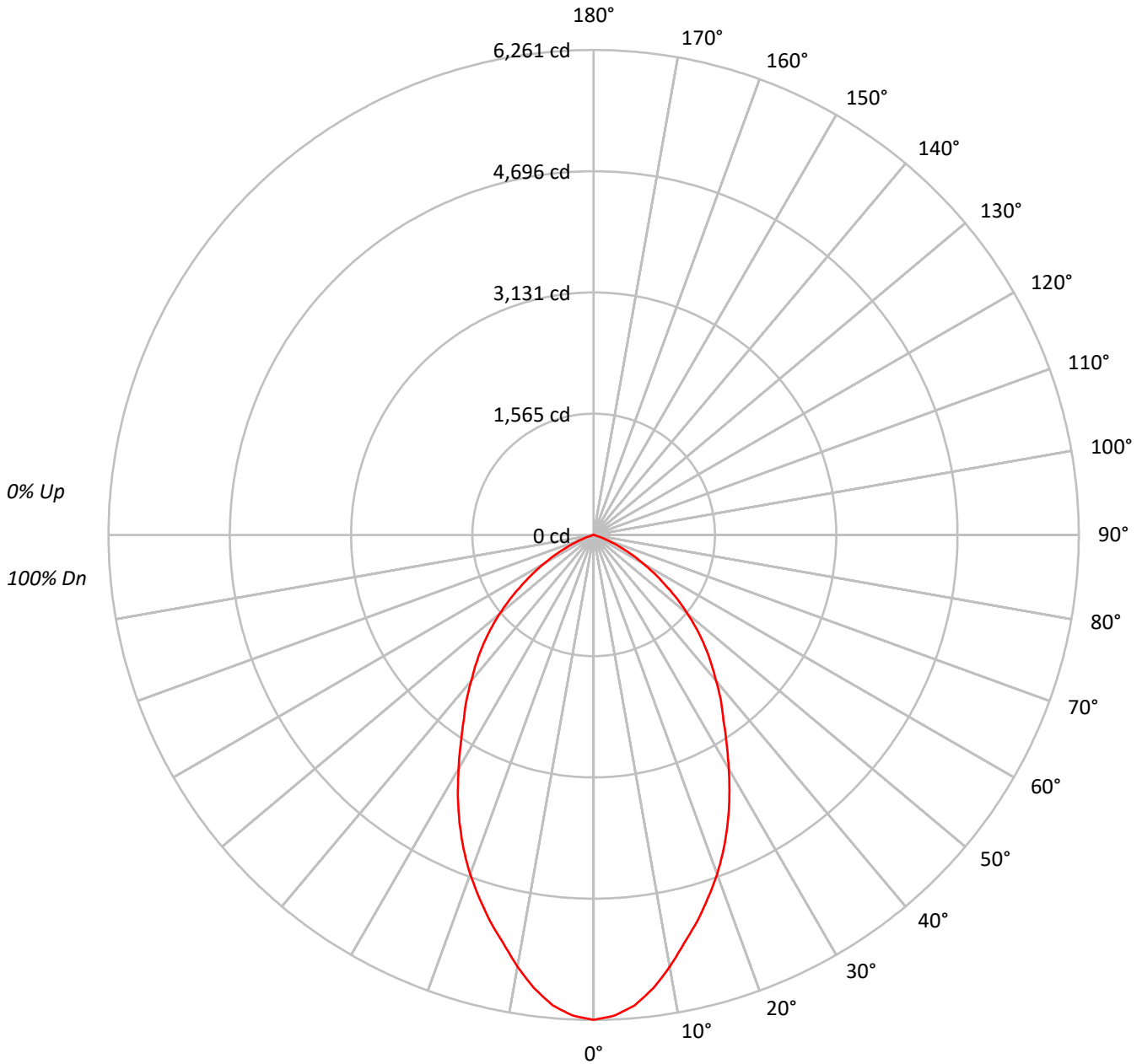
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8768.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80																			
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71																			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63																			
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57																			
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51																			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42																			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39																			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	769149
5°	751726
10°	705928
15°	656770
20°	609121
25°	555256
30°	494336
35°	438171
40°	393830
45°	352468
50°	302381
55°	243254
60°	181233
65°	115697
70°	55748
75°	9256
80°	6792
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.7	6.5
10°-20°	1447.8	16.5
20°-30°	1876.1	21.4
30°-40°	1838.2	21.0
40°-50°	1558.1	17.8
50°-60°	1021.4	11.6
60°-70°	410.5	4.7
70°-80°	46.9	0.5
80°-90°	1.3	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°	3891.6	44.4
0°-40°	5729.8	65.3
0°-60°	8309.3	94.8
0°-90°	8768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8768.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6261	
5°	6096	568
15°	5164	1448
25°	4096	1876
35°	2922	1838
45°	2029	1558
55°	1136	1021
65°	398	411
75°	20	47
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6260.7
2.5°	6212.0
5°	6095.6
7.5°	5901.4
10°	5658.8
12.5°	5396.7
15°	5163.8
17.5°	4911.5
20°	4659.1
22.5°	4387.4
25°	4096.2
27.5°	3795.1
30°	3484.7
32.5°	3193.5
35°	2921.6
37.5°	2698.5
40°	2455.7
42.5°	2242.2
45°	2028.7
47.5°	1805.4
50°	1582.1
52.5°	1359.0
55°	1135.7
57.5°	931.8
60°	737.6
62.5°	562.9
65°	398.0
67.5°	262.1
70°	155.2
72.5°	67.9
75°	19.5
77.5°	9.6
80°	9.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)