

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: P839660

Luminaire Tested: **LDS4C100D010 EU41009030 4LBSB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C100D010 EU41009030 4LBSB
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH B FINISH
Light Source: -
Ballast/Driver: -

Summary

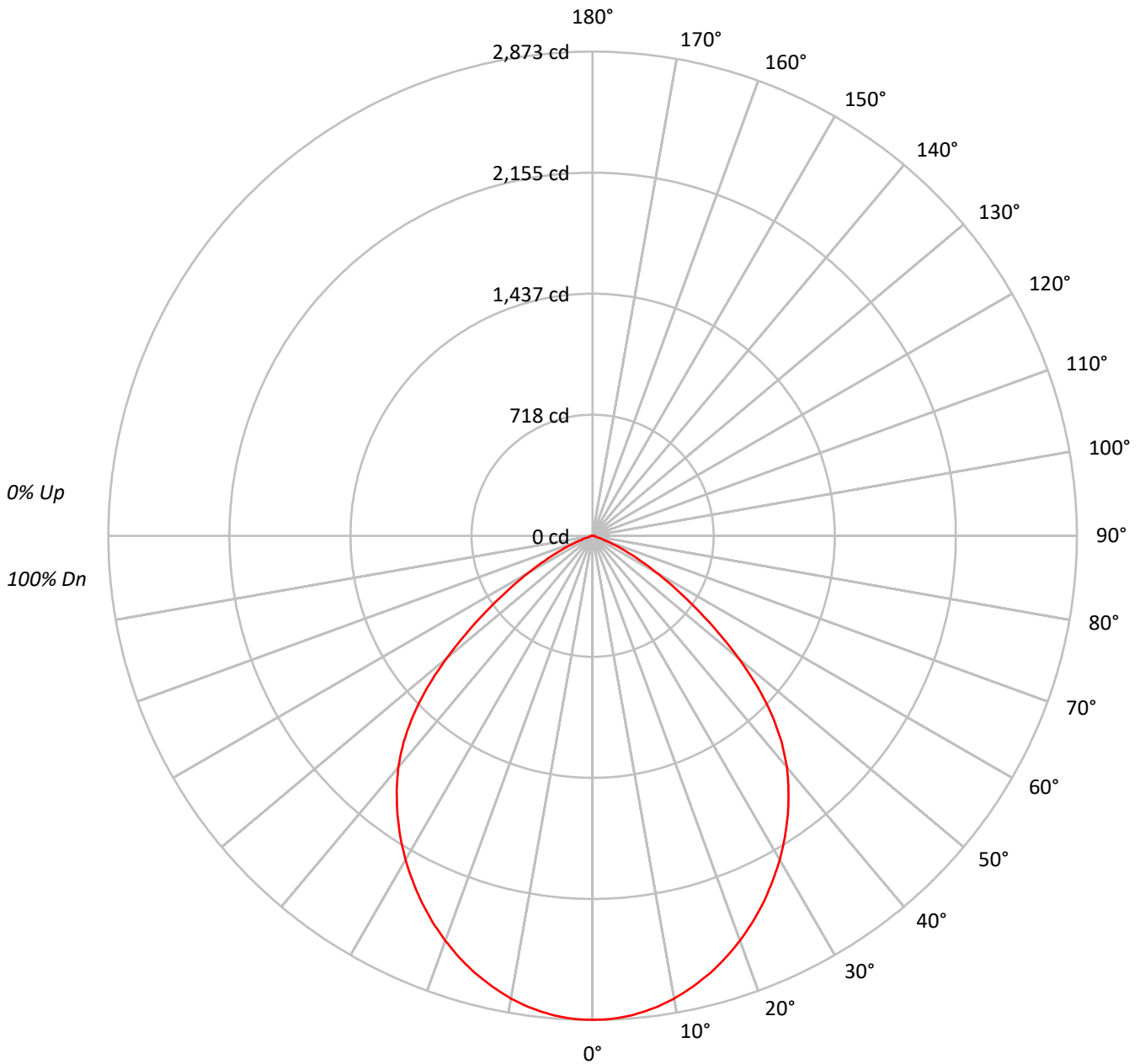
Lumens per Lamp: N/A
Luminaire Lumens: 5471.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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	100	102	99	97	98	96	94	94	93	92	90																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70																			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62																			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55																			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49																			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	352921
5°	351716
10°	347849
15°	341867
20°	334205
25°	325275
30°	315026
35°	302892
40°	287614
45°	261498
50°	215896
55°	158971
60°	107890
65°	63168
70°	24964
75°	5601
80°	7287
85°	12545



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.2	4.9
10°-20°	756.9	13.8
20°-30°	1104.0	20.2
30°-40°	1260.1	23.0
40°-50°	1145.6	20.9
50°-60°	675.7	12.4
60°-70°	226.6	4.1
70°-80°	23.6	0.4
80°-90°	8.3	0.2
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°	2131.1	39.0
0°-40°	3391.2	62.0
0°-60°	5212.5	95.3
0°-90°	5471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5471.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2873	
5°	2852	270
15°	2688	757
25°	2400	1104
35°	2020	1260
45°	1505	1146
55°	742	676
65°	217	227
75°	12	24
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2872.7
2.5°	2868.3
5°	2852.0
7.5°	2825.4
10°	2788.4
12.5°	2741.1
15°	2687.9
17.5°	2625.8
20°	2556.3
22.5°	2480.9
25°	2399.6
27.5°	2310.9
30°	2220.7
32.5°	2121.6
35°	2019.6
37.5°	1908.7
40°	1793.4
42.5°	1658.9
45°	1505.1
47.5°	1327.7
50°	1129.6
52.5°	931.5
55°	742.2
57.5°	581.0
60°	439.1
62.5°	317.9
65°	217.3
67.5°	133.1
70°	69.5
72.5°	26.6
75°	11.8
77.5°	11.8
80°	10.3
82.5°	8.9
85°	8.9
87.5°	7.4
90°	0.0



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— 0°-180°







(END OF REPORT)