

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: P839382

Luminaire Tested: **LD4C70D010 EU4709040 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839382
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: LD4C70D010 EU4709040 4LBSLI
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

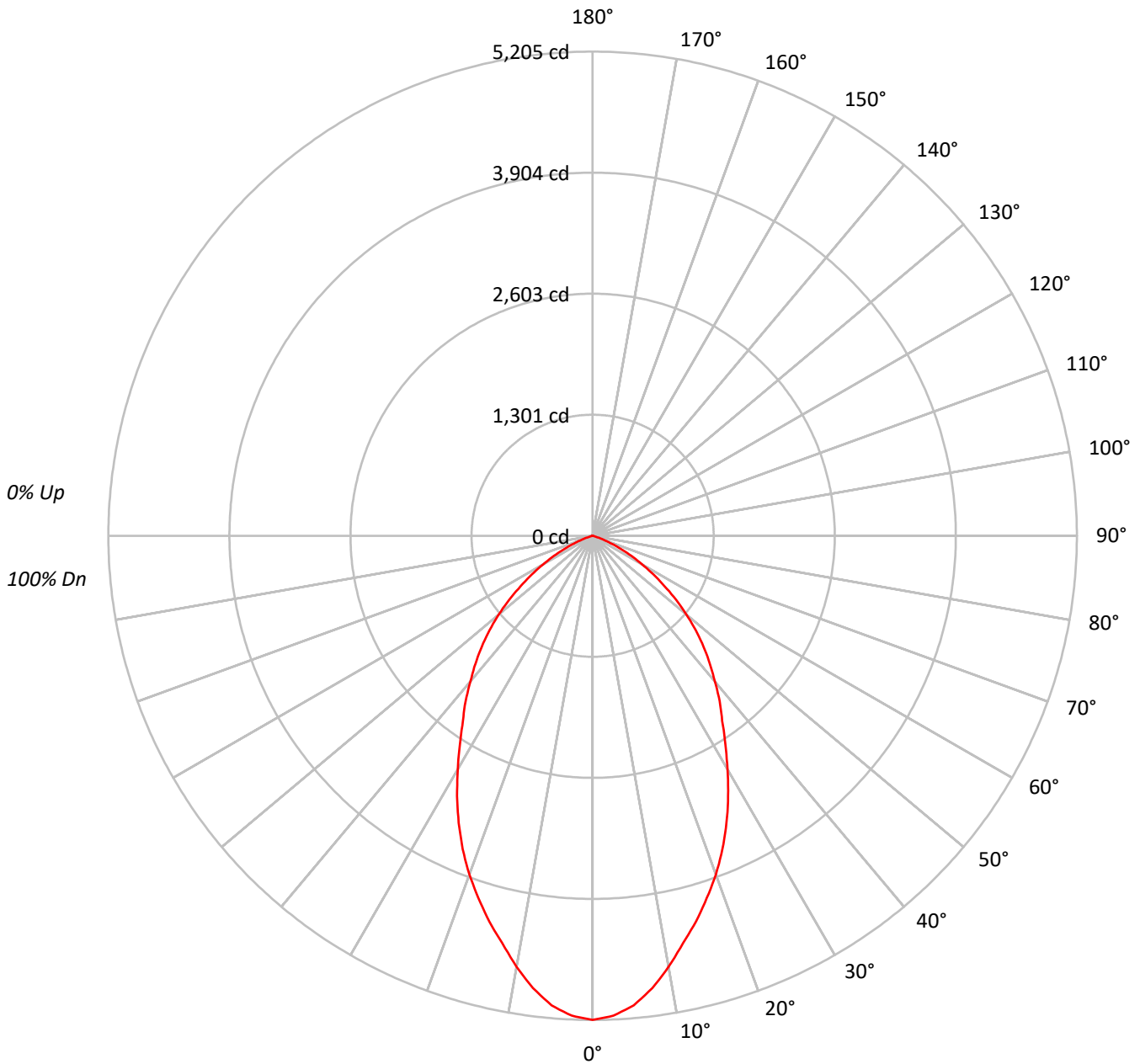
Lumens per Lamp: N/A
Luminaire Lumens: 7289.0 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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				20				
RC	80				70				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°	639403
5°	624926
10°	586843
15°	545977
20°	506374
25°	461588
30°	410951
35°	364263
40°	327387
45°	293014
50°	251369
55°	202215
60°	150668
65°	96191
70°	46337
75°	7690
80°	5660
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.9	6.5
10°-20°	1203.6	16.5
20°-30°	1559.6	21.4
30°-40°	1528.1	21.0
40°-50°	1295.3	17.8
50°-60°	849.1	11.6
60°-70°	341.3	4.7
70°-80°	39.0	0.5
80°-90°	1.1	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°	3235.1	44.4
0°-40°	4763.3	65.3
0°-60°	6907.6	94.8
0°-90°	7289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7289.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5205	
5°	5067	472
15°	4293	1204
25°	3405	1560
35°	2429	1528
45°	1686	1295
55°	944	849
65°	331	341
75°	16	39
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5204.6
2.5°	5164.2
5°	5067.4
7.5°	4905.9
10°	4704.2
12.5°	4486.4
15°	4292.7
17.5°	4083.0
20°	3873.2
22.5°	3647.3
25°	3405.2
27.5°	3155.0
30°	2896.9
32.5°	2654.8
35°	2428.8
37.5°	2243.3
40°	2041.4
42.5°	1864.0
45°	1686.5
47.5°	1500.9
50°	1315.2
52.5°	1129.7
55°	944.1
57.5°	774.6
60°	613.2
62.5°	467.9
65°	330.9
67.5°	217.9
70°	129.0
72.5°	56.4
75°	16.2
77.5°	8.0
80°	8.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)