

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: P839291

Luminaire Tested: **LD4C40D010 EU4409040 4LBSH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P839291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C40D010 EU4409040 4LBSH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

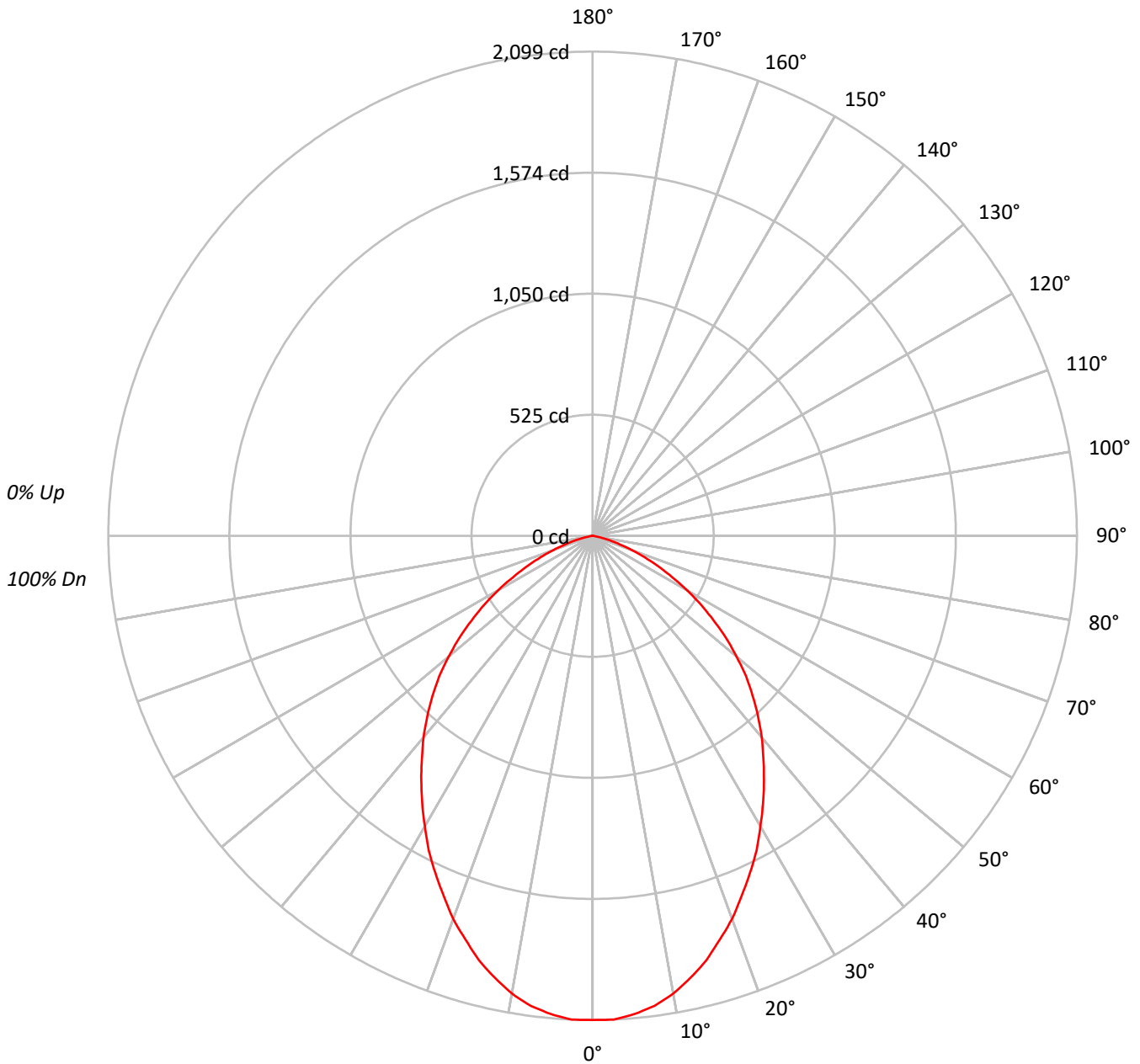
Lumens per Lamp: N/A
Luminaire Lumens: 4014.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257906
5°	256709
10°	251419
15°	242279
20°	231119
25°	218662
30°	206263
35°	194204
40°	182858
45°	170457
50°	155424
55°	137273
60°	116195
65°	91220
70°	65123
75°	35695
80°	6297
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	4.9
10°-20°	534.5	13.3
20°-30°	742.2	18.5
30°-40°	810.0	20.2
40°-50°	755.6	18.8
50°-60°	573.5	14.3
60°-70°	314.0	7.8
70°-80°	86.4	2.2
80°-90°	1.2	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°	1473.4	36.7
0°-40°	2283.3	56.9
0°-60°	3612.3	90.0
0°-90°	4014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4014.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2099	
5°	2082	197
15°	1905	534
25°	1613	742
35°	1295	810
45°	981	756
55°	641	573
65°	314	314
75°	75	86
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2099.3
2.5°	2099.3
5°	2081.6
7.5°	2055.2
10°	2015.4
12.5°	1962.4
15°	1904.9
17.5°	1834.2
20°	1767.8
22.5°	1688.3
25°	1613.1
27.5°	1538.1
30°	1454.0
32.5°	1374.5
35°	1294.9
37.5°	1215.4
40°	1140.2
42.5°	1060.7
45°	981.1
47.5°	901.6
50°	813.2
52.5°	729.2
55°	640.9
57.5°	556.8
60°	472.9
62.5°	389.0
65°	313.8
67.5°	243.0
70°	181.3
72.5°	123.8
75°	75.2
77.5°	35.3
80°	8.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)