

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: P858998

Luminaire Tested: **LX4C50D010 EX4C509035 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C50D010 EX4C509035 4LBMDH
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

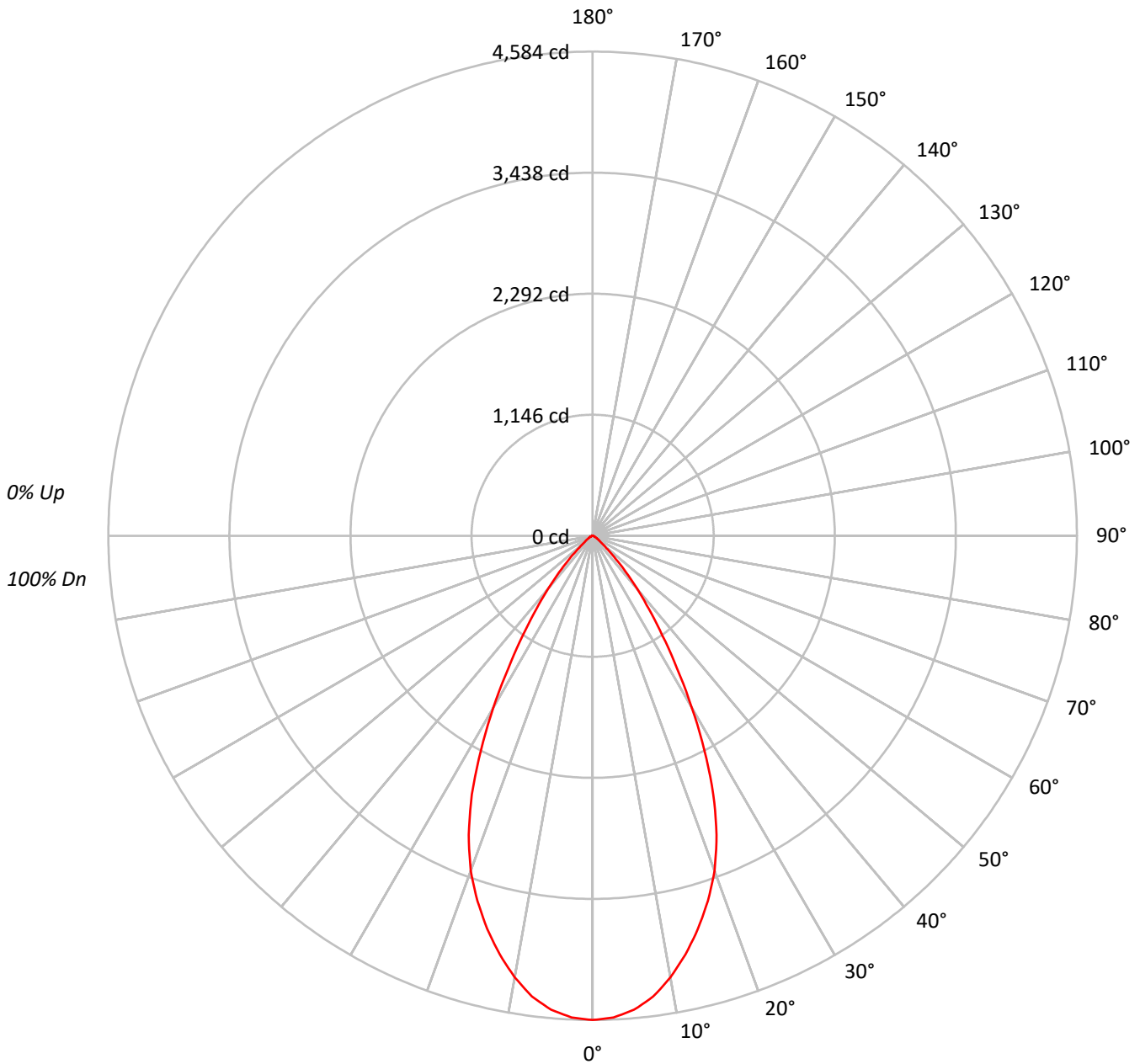
Lumens per Lamp: N/A
Luminaire Lumens: 3805.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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				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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	563148
5°	555544
10°	529483
15°	489964
20°	441058
25°	366416
30°	266354
35°	172668
40°	104484
45°	53860
50°	24388
55°	14672
60°	9853
65°	7035
70°	5316
75°	3513
80°	2264
85°	1551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.7	11.1
10°-20°	1075.0	28.3
20°-30°	1215.6	31.9
30°-40°	734.6	19.3
40°-50°	257.3	6.8
50°-60°	65.8	1.7
60°-70°	25.2	0.7
70°-80°	8.5	0.2
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°	2712.2	71.3
0°-40°	3446.9	90.6
0°-60°	3770.0	99.1
0°-90°	3805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3805.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4584	
5°	4505	422
15°	3852	1075
25°	2703	1216
35°	1151	735
45°	310	257
55°	68	66
65°	24	25
75°	7	8
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4583.9
2.5°	4564.9
5°	4504.8
7.5°	4398.4
10°	4244.4
12.5°	4058.9
15°	3852.3
17.5°	3625.6
20°	3373.6
22.5°	3064.7
25°	2703.1
27.5°	2288.8
30°	1877.6
32.5°	1484.4
35°	1151.3
37.5°	872.9
40°	651.5
42.5°	468.1
45°	310.0
47.5°	190.8
50°	127.6
52.5°	91.7
55°	68.5
57.5°	52.7
60°	40.1
62.5°	31.6
65°	24.2
67.5°	19.0
70°	14.8
72.5°	10.5
75°	7.4
77.5°	5.3
80°	3.2
82.5°	2.1
85°	1.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)