

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: P859696

Luminaire Tested: **LX4C08D010 EX4C089040 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859696
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: LX4C08D010 EX4C089040 4LBMDH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

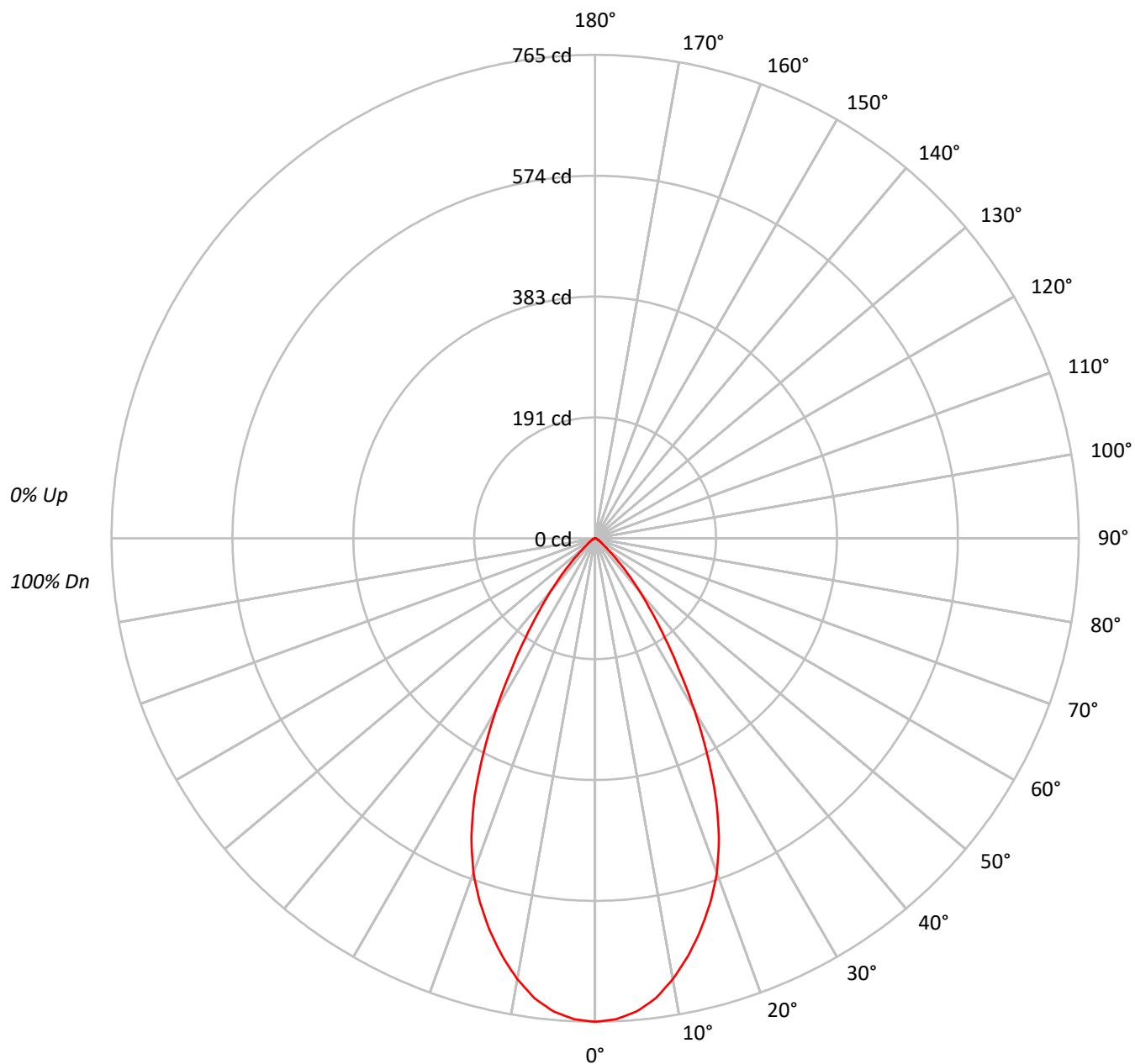
Lumens per Lamp: N/A
Luminaire Lumens: 635.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	63	60	68	63	59		67	62	59		66
9	76	66	60	56	74	65	60	56	64	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93983
5°	92714
10°	88359
15°	81769
20°	73605
25°	61148
30°	44459
35°	28810
40°	17433
45°	8982
50°	4071
55°	2442
60°	1646
65°	1163
70°	898
75°	570
80°	354
85°	282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	11.1
10°-20°	179.4	28.3
20°-30°	202.9	31.9
30°-40°	122.6	19.3
40°-50°	42.9	6.8
50°-60°	11.0	1.7
60°-70°	4.2	0.7
70°-80°	1.4	0.2
80°-90°	0.2	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°	452.6	71.3
0°-40°	575.2	90.6
0°-60°	629.1	99.1
0°-90°	635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	765	
5°	752	70
15°	643	179
25°	451	203
35°	192	123
45°	52	43
55°	11	11
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	765.0
2.5°	761.8
5°	751.8
7.5°	734.0
10°	708.3
12.5°	677.4
15°	642.9
17.5°	605.1
20°	563.0
22.5°	511.5
25°	451.1
27.5°	382.0
30°	313.4
32.5°	247.7
35°	192.1
37.5°	145.7
40°	108.7
42.5°	78.1
45°	51.7
47.5°	31.8
50°	21.3
52.5°	15.3
55°	11.4
57.5°	8.8
60°	6.7
62.5°	5.3
65°	4.0
67.5°	3.2
70°	2.5
72.5°	1.8
75°	1.2
77.5°	0.9
80°	0.5
82.5°	0.4
85°	0.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)