

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: P857121

Luminaire Tested: **LX4C20D010 EX4C209027 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857121
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: LX4C20D010 EX4C209027 4LBMDH
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

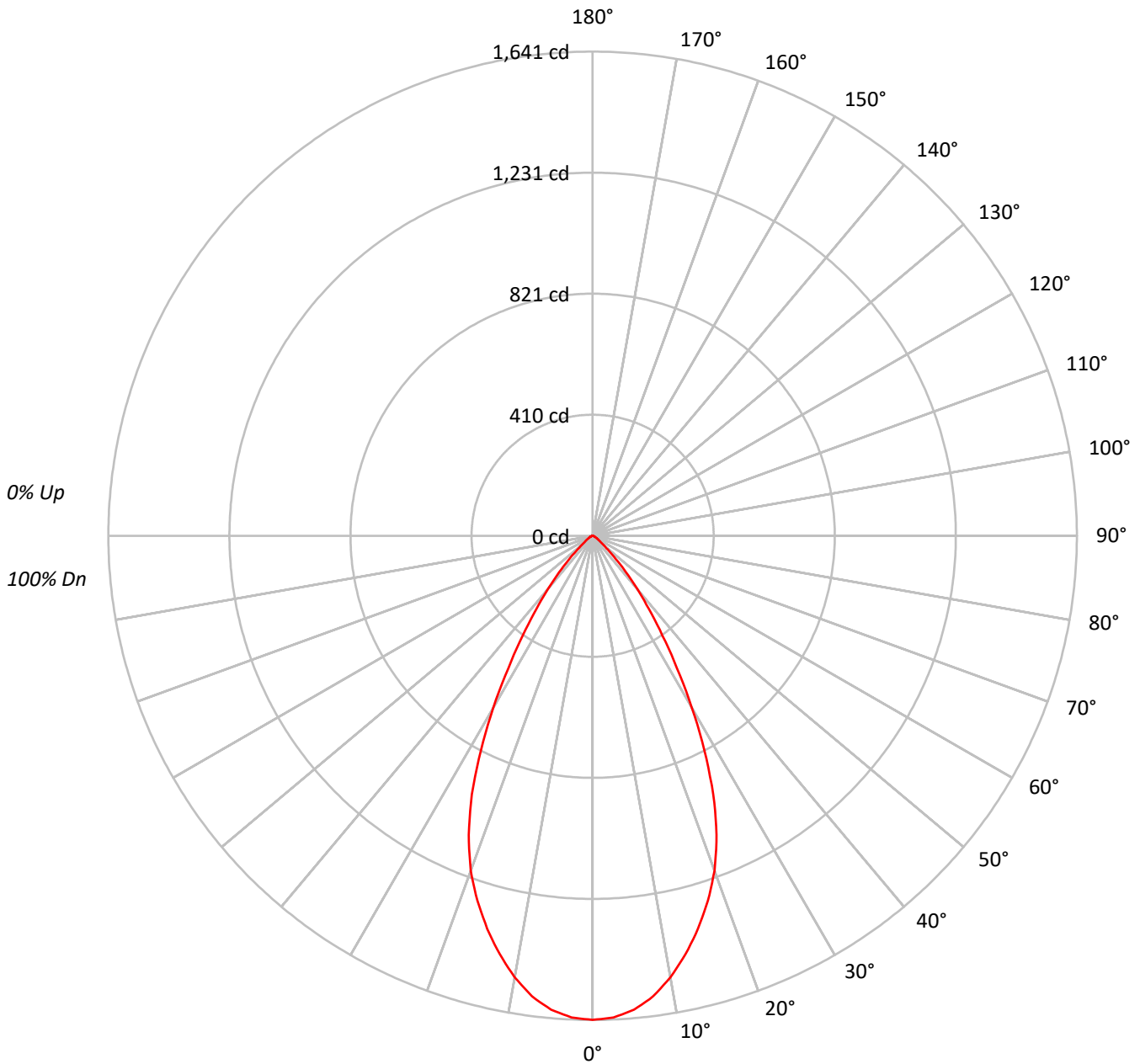
Lumens per Lamp: N/A
Luminaire Lumens: 1362.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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
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°	201578
5°	198858
10°	189531
15°	175379
20°	157879
25°	131162
30°	95343
35°	61805
40°	37399
45°	19268
50°	8734
55°	5248
60°	3514
65°	2529
70°	1904
75°	1234
80°	778
85°	564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	11.1
10°-20°	384.8	28.3
20°-30°	435.1	31.9
30°-40°	263.0	19.3
40°-50°	92.1	6.8
50°-60°	23.6	1.7
60°-70°	9.0	0.7
70°-80°	3.0	0.2
80°-90°	0.5	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°	970.9	71.3
0°-40°	1233.8	90.6
0°-60°	1349.5	99.1
0°-90°	1362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1362.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1641	
5°	1612	151
15°	1379	385
25°	968	435
35°	412	263
45°	111	92
55°	24	24
65°	9	9
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1640.8
2.5°	1634.0
5°	1612.5
7.5°	1574.4
10°	1519.3
12.5°	1452.9
15°	1378.9
17.5°	1297.8
20°	1207.6
22.5°	1097.0
25°	967.6
27.5°	819.3
30°	672.1
32.5°	531.3
35°	412.1
37.5°	312.5
40°	233.2
42.5°	167.6
45°	110.9
47.5°	68.3
50°	45.7
52.5°	32.8
55°	24.5
57.5°	18.9
60°	14.3
62.5°	11.3
65°	8.7
67.5°	6.8
70°	5.3
72.5°	3.8
75°	2.6
77.5°	1.9
80°	1.1
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)