

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: P859327

Luminaire Tested: **LX4C65D010 EX4C659027 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859327
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: LX4C65D010 EX4C659027 4LBMDH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

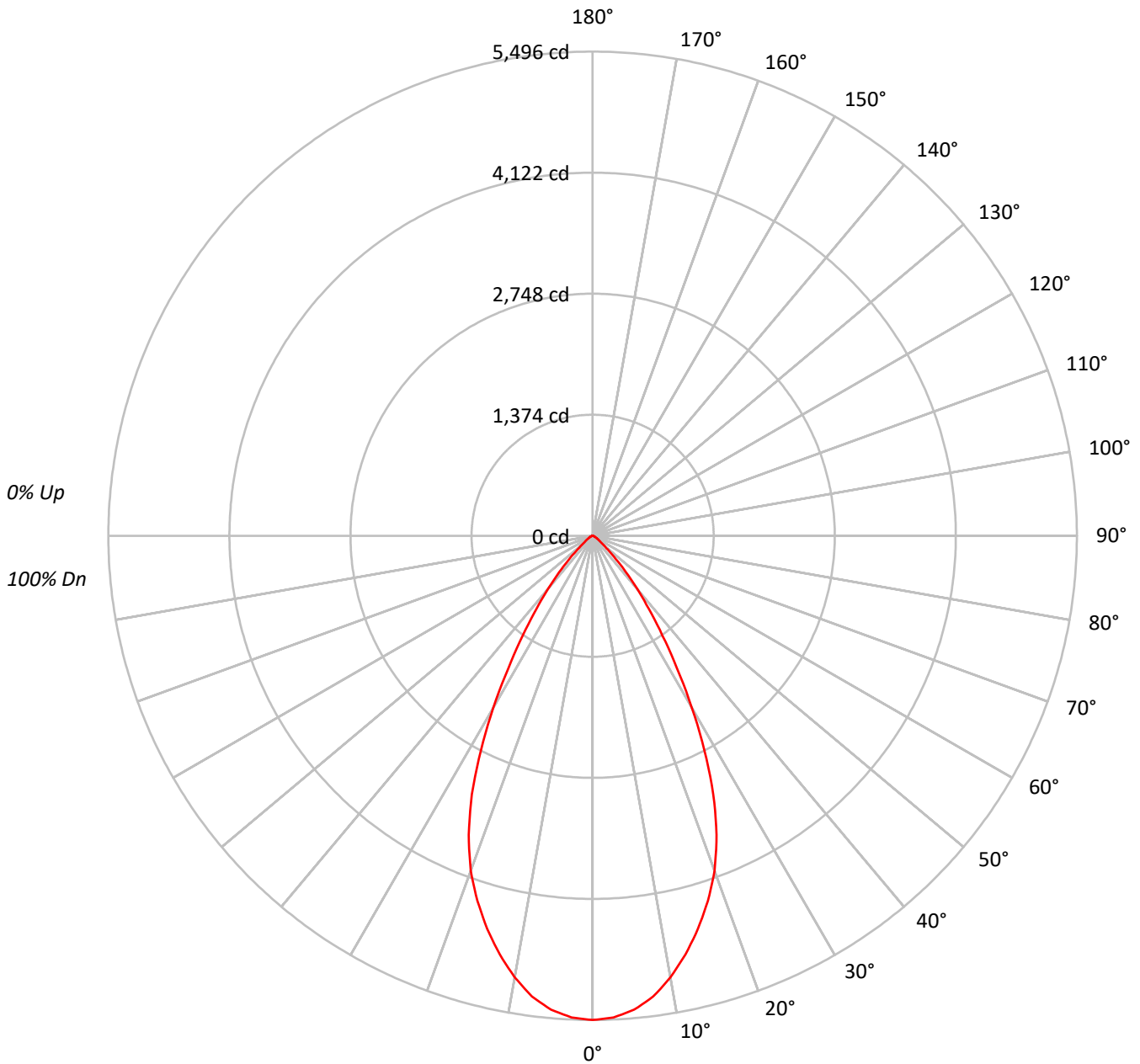
Lumens per Lamp: N/A
Luminaire Lumens: 4562.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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°	675190
5°	666079
10°	634834
15°	587440
20°	528809
25°	439316
30°	319353
35°	207012
40°	125284
45°	64562
50°	29223
55°	17606
60°	11794
65°	8459
70°	6358
75°	4177
80°	2688
85°	1832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.6	11.1
10°-20°	1288.8	28.3
20°-30°	1457.4	31.9
30°-40°	880.8	19.3
40°-50°	308.5	6.8
50°-60°	78.9	1.7
60°-70°	30.2	0.7
70°-80°	10.1	0.2
80°-90°	1.5	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°	3251.9	71.3
0°-40°	4132.6	90.6
0°-60°	4520.1	99.1
0°-90°	4562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4562.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5496	
5°	5401	506
15°	4619	1289
25°	3241	1457
35°	1380	881
45°	372	309
55°	82	79
65°	29	30
75°	9	10
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5495.9
2.5°	5473.1
5°	5401.1
7.5°	5273.4
10°	5088.9
12.5°	4866.4
15°	4618.7
17.5°	4346.9
20°	4044.8
22.5°	3674.5
25°	3240.9
27.5°	2744.1
30°	2251.2
32.5°	1779.7
35°	1380.3
37.5°	1046.6
40°	781.2
42.5°	561.2
45°	371.6
47.5°	228.8
50°	152.9
52.5°	110.0
55°	82.2
57.5°	63.2
60°	48.0
62.5°	37.9
65°	29.1
67.5°	22.8
70°	17.7
72.5°	12.6
75°	8.8
77.5°	6.3
80°	3.8
82.5°	2.5
85°	1.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)