

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: P859369

Luminaire Tested: **LX4C65D010 EX4C659035 4LBMDH**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P859369
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 EX4C659035 4LBMDH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

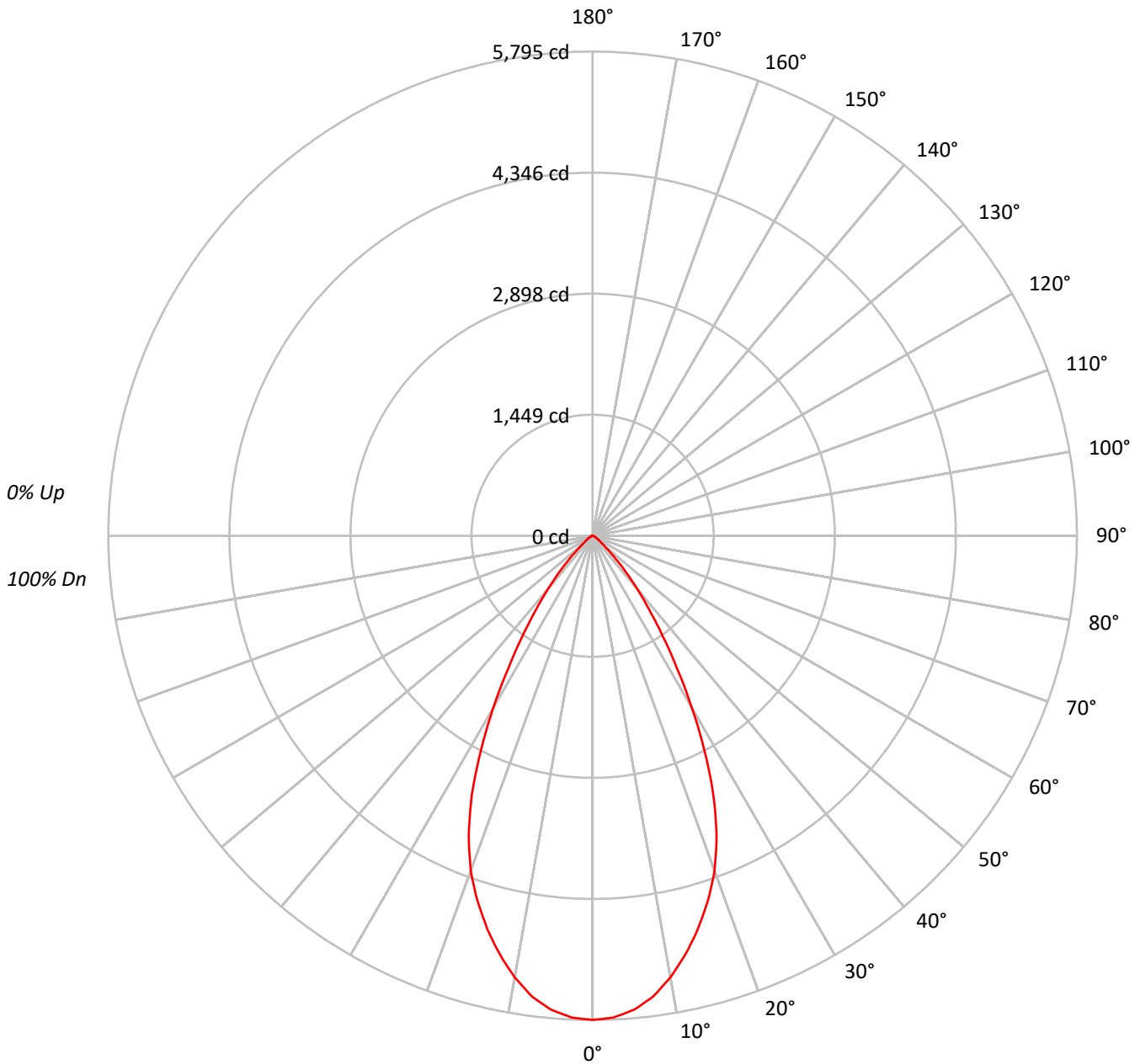
Lumens per Lamp: N/A
Luminaire Lumens: 4810.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	711887
5°	702286
10°	669339
15°	619364
20°	557558
25°	463201
30°	336716
35°	218261
40°	132084
45°	68072
50°	30829
55°	18549
60°	12433
65°	8924
70°	6717
75°	4414
80°	2830
85°	1832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.1	11.1
10°-20°	1358.9	28.3
20°-30°	1536.6	31.9
30°-40°	928.6	19.3
40°-50°	325.3	6.8
50°-60°	83.2	1.7
60°-70°	31.9	0.7
70°-80°	10.7	0.2
80°-90°	1.6	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°	3428.6	71.3
0°-40°	4357.3	90.6
0°-60°	4765.8	99.1
0°-90°	4810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4810.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5795	
5°	5695	533
15°	4870	1359
25°	3417	1537
35°	1455	929
45°	392	325
55°	87	83
65°	31	32
75°	9	11
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5794.6
2.5°	5770.7
5°	5694.7
7.5°	5560.1
10°	5365.5
12.5°	5131.0
15°	4869.7
17.5°	4583.2
20°	4264.7
22.5°	3874.2
25°	3417.1
27.5°	2893.3
30°	2373.6
32.5°	1876.5
35°	1455.3
37.5°	1103.5
40°	823.6
42.5°	591.7
45°	391.8
47.5°	241.2
50°	161.3
52.5°	115.9
55°	86.6
57.5°	66.6
60°	50.6
62.5°	40.0
65°	30.7
67.5°	24.0
70°	18.7
72.5°	13.3
75°	9.3
77.5°	6.7
80°	4.0
82.5°	2.7
85°	1.3
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)