

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: P859411

Luminaire Tested: **LX4C65D010 EX4C659050 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859411
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 EX4C659050 4LBMDH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

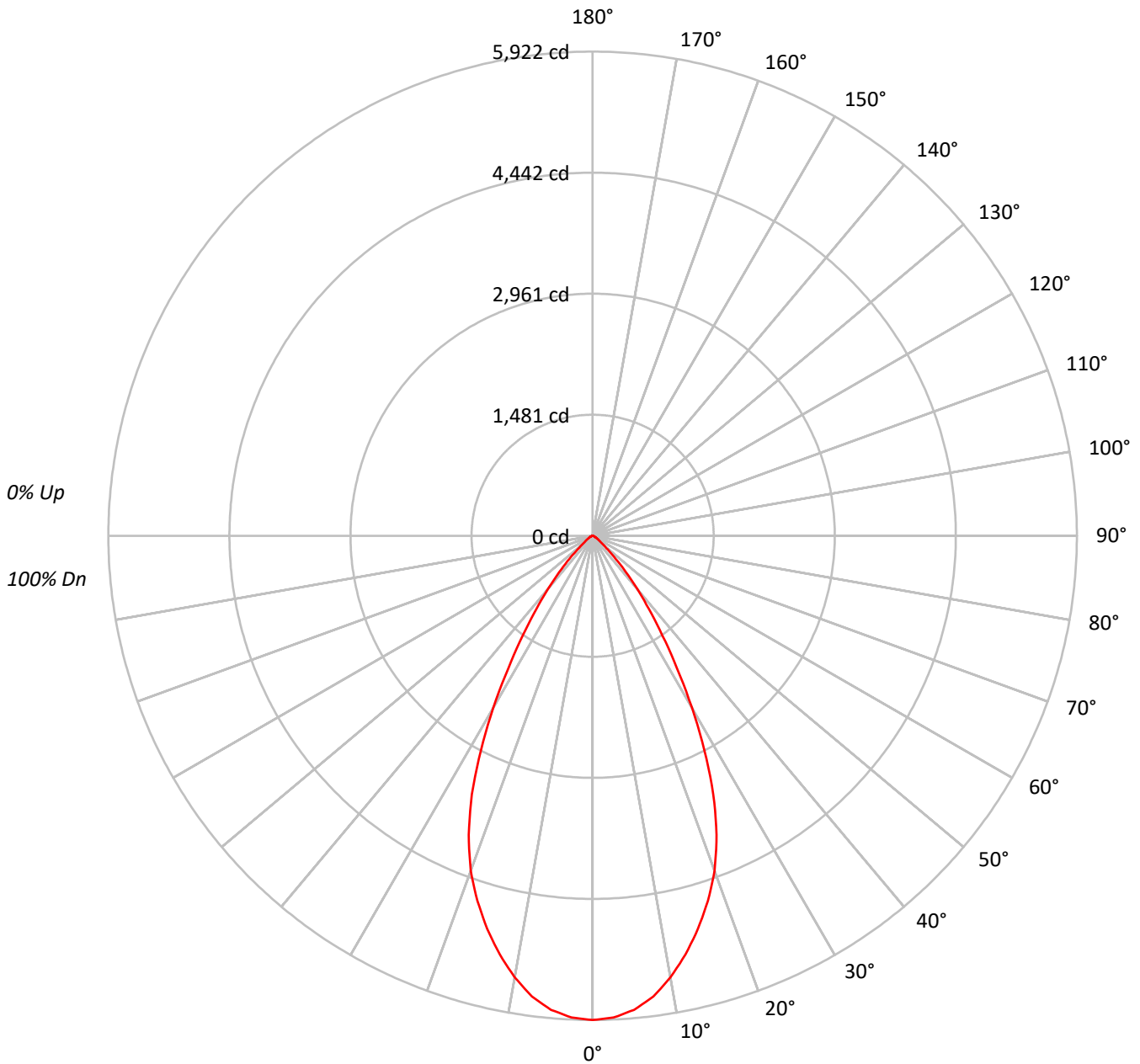
Lumens per Lamp: N/A
Luminaire Lumens: 4916.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	727575
5°	717763
10°	684097
15°	633024
20°	569847
25°	473408
30°	344136
35°	223075
40°	135003
45°	69583
50°	31498
55°	18956
60°	12728
65°	9099
70°	6861
75°	4509
80°	2901
85°	1973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.9	11.1
10°-20°	1388.8	28.3
20°-30°	1570.5	31.9
30°-40°	949.1	19.3
40°-50°	332.5	6.8
50°-60°	85.1	1.7
60°-70°	32.6	0.7
70°-80°	10.9	0.2
80°-90°	1.7	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°	3504.2	71.3
0°-40°	4453.3	90.6
0°-60°	4870.8	99.1
0°-90°	4916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4916.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5922	
5°	5820	545
15°	4977	1389
25°	3492	1570
35°	1487	949
45°	400	332
55°	88	85
65°	31	33
75°	10	11
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5922.3
2.5°	5897.8
5°	5820.2
7.5°	5682.6
10°	5483.8
12.5°	5244.0
15°	4977.1
17.5°	4684.2
20°	4358.7
22.5°	3959.6
25°	3492.4
27.5°	2957.1
30°	2425.9
32.5°	1917.8
35°	1487.4
37.5°	1127.8
40°	841.8
42.5°	604.8
45°	400.5
47.5°	246.5
50°	164.8
52.5°	118.5
55°	88.5
57.5°	68.1
60°	51.8
62.5°	40.9
65°	31.3
67.5°	24.5
70°	19.1
72.5°	13.6
75°	9.5
77.5°	6.8
80°	4.1
82.5°	2.7
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)