

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: P858169

Luminaire Tested: **LX4C45D010 EX4C459040 4LBMDH**

Issue Date: 2/18/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P858169  
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: LX4C45D010 EX4C459040 4LBMDH  
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

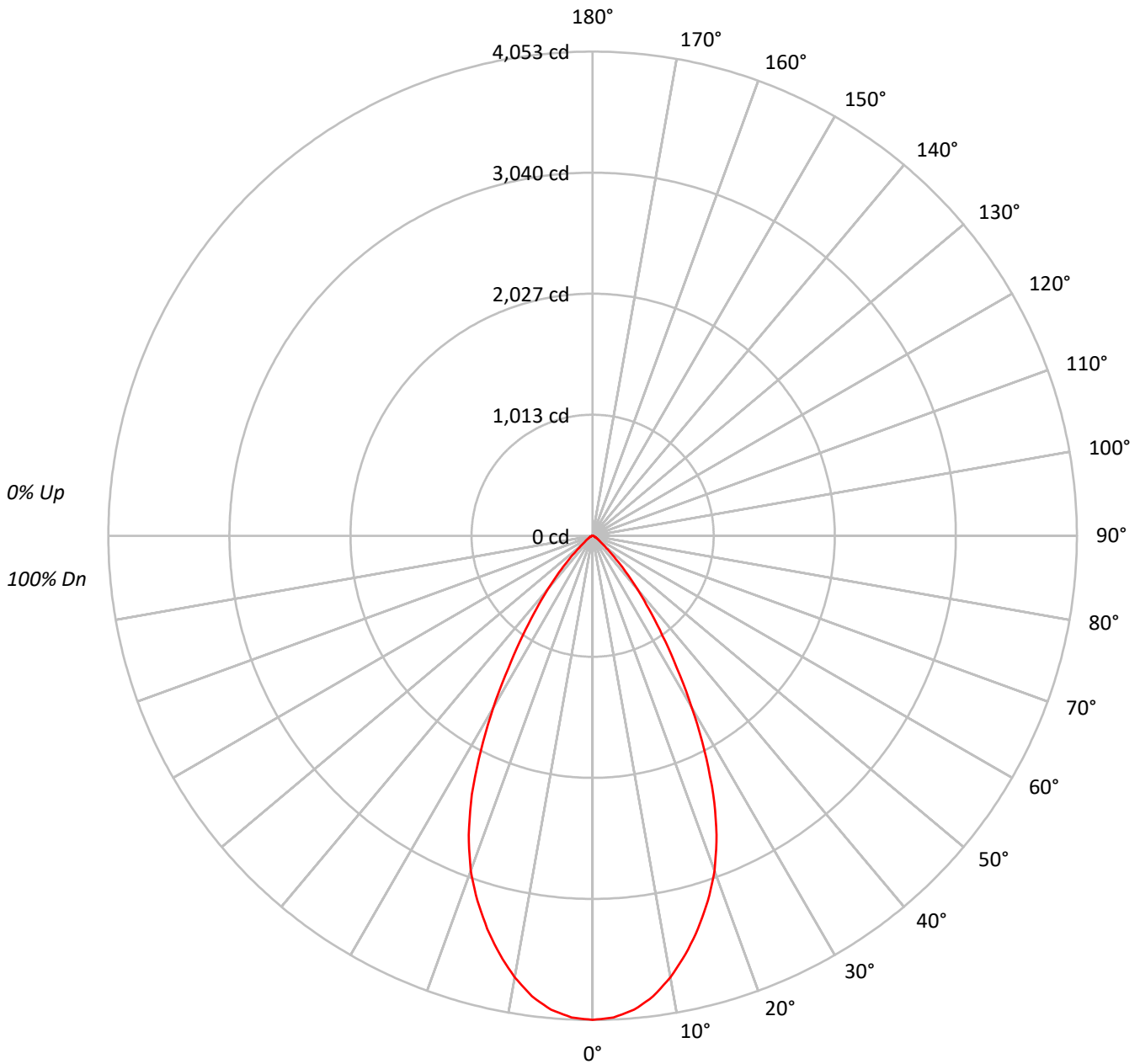
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3364.0 lumens  
Efficiency: N/A  
Efficacy: 67.8 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): 49.6  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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°	497876
5°	491158
10°	468119
15°	433174
20°	389939
25°	323946
30°	235486
35°	152646
40°	92375
45°	47605
50°	21559
55°	12980
60°	8698
65°	6221
70°	4670
75°	3085
80°	1981
85°	1269



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.9	11.1
10°-20°	950.4	28.3
20°-30°	1074.7	31.9
30°-40°	649.5	19.3
40°-50°	227.5	6.8
50°-60°	58.2	1.7
60°-70°	22.3	0.7
70°-80°	7.5	0.2
80°-90°	1.1	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°	2397.9	71.3
0°-40°	3047.4	90.6
0°-60°	3333.1	99.1
0°-90°	3364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3364.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4053	
5°	3983	373
15°	3406	950
25°	2390	1075
35°	1018	649
45°	274	227
55°	61	58
65°	21	22
75°	6	7
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4052.6
2.5°	4035.9
5°	3982.7
7.5°	3888.6
10°	3752.5
12.5°	3588.5
15°	3405.8
17.5°	3205.4
20°	2982.6
22.5°	2709.5
25°	2389.8
27.5°	2023.5
30°	1660.0
32.5°	1312.4
35°	1017.8
37.5°	771.8
40°	576.0
42.5°	413.8
45°	274.0
47.5°	168.7
50°	112.8
52.5°	81.1
55°	60.6
57.5°	46.6
60°	35.4
62.5°	28.0
65°	21.4
67.5°	16.8
70°	13.0
72.5°	9.3
75°	6.5
77.5°	4.7
80°	2.8
82.5°	1.9
85°	0.9
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)