

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: P858127

Luminaire Tested: **LX4C45D010 EX4C459030 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858127  
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 EX4C459030 4LBMDH  
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

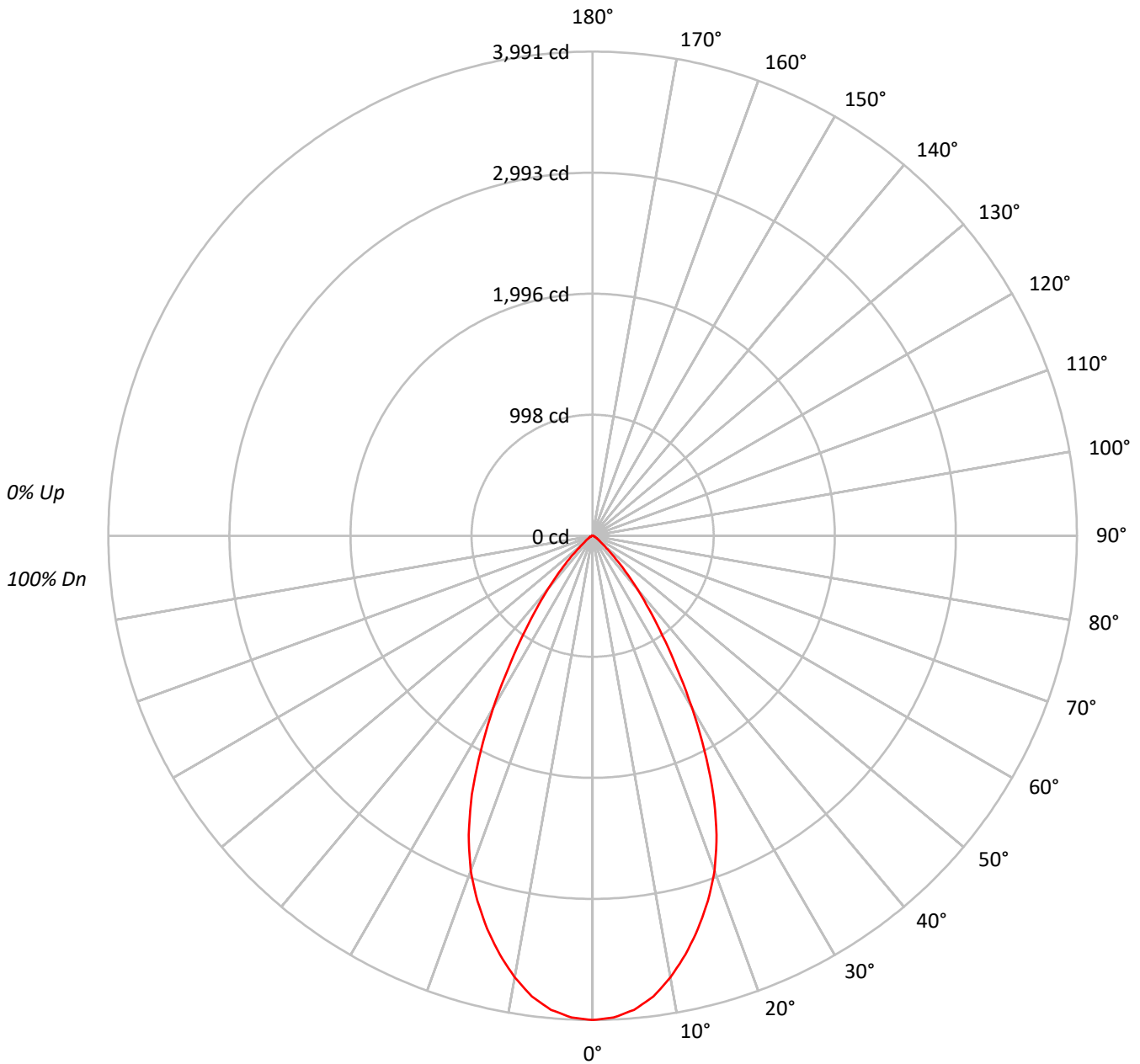
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3313.0 lumens  
Efficiency: N/A  
Efficacy: 66.8 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	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°	490333
5°	483721
10°	461021
15°	426599
20°	384030
25°	319039
30°	231911
35°	150336
40°	90980
45°	46893
50°	21234
55°	12787
60°	8575
65°	6134
70°	4634
75°	3038
80°	1981
85°	1269



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.2	11.1
10°-20°	936.0	28.3
20°-30°	1058.4	31.9
30°-40°	639.6	19.3
40°-50°	224.1	6.8
50°-60°	57.4	1.7
60°-70°	21.9	0.7
70°-80°	7.4	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°	2361.5	71.3
0°-40°	3001.2	90.6
0°-60°	3282.6	99.1
0°-90°	3313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3313.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3991	
5°	3922	367
15°	3354	936
25°	2354	1058
35°	1002	640
45°	270	224
55°	60	57
65°	21	22
75°	6	7
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3991.2
2.5°	3974.7
5°	3922.4
7.5°	3829.6
10°	3695.6
12.5°	3534.1
15°	3354.1
17.5°	3156.8
20°	2937.4
22.5°	2668.4
25°	2353.6
27.5°	1992.8
30°	1634.8
32.5°	1292.5
35°	1002.4
37.5°	760.1
40°	567.3
42.5°	407.6
45°	269.9
47.5°	166.1
50°	111.1
52.5°	79.9
55°	59.7
57.5°	45.9
60°	34.9
62.5°	27.5
65°	21.1
67.5°	16.5
70°	12.9
72.5°	9.2
75°	6.4
77.5°	4.6
80°	2.8
82.5°	1.8
85°	0.9
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)