

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: P858108

Luminaire Tested: **LX4C45D010 EX4C459027 4LBMH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C45D010 EX4C459027 4LBMH  
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

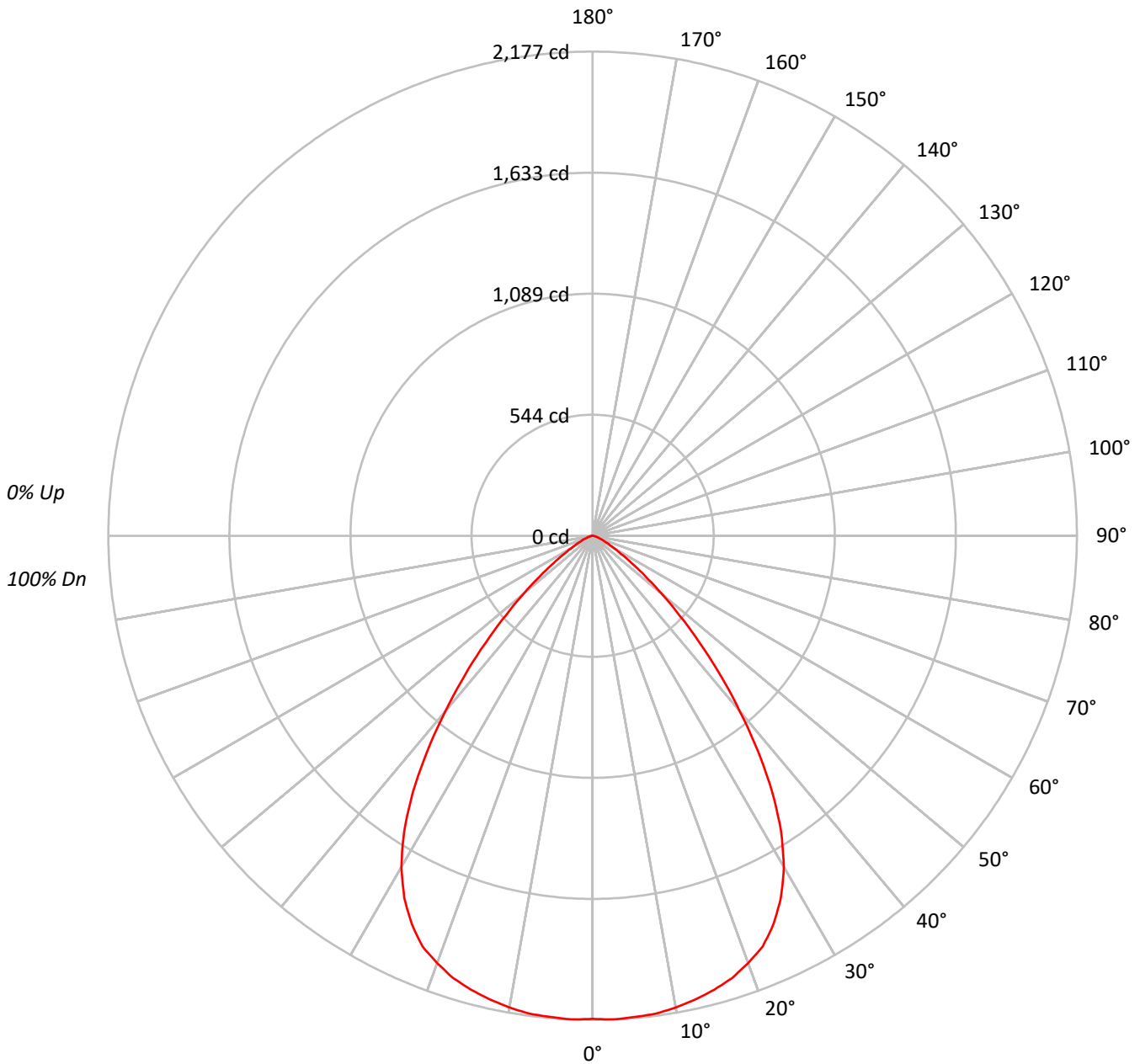
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3370.0 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 49.6  
Input Voltage (V):  
Input Current (Ain): 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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	266862
5°	267882
10°	268696
15°	268709
20°	267228
25°	260968
30°	243912
35°	211227
40°	165009
45°	118387
50°	76909
55°	46029
60°	26929
65°	17296
70°	11494
75°	8686
80°	6509
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.9	6.1
10°-20°	596.0	17.7
20°-30°	879.5	26.1
30°-40°	868.0	25.8
40°-50°	531.2	15.8
50°-60°	203.6	6.0
60°-70°	63.7	1.9
70°-80°	18.7	0.6
80°-90°	2.5	0.1
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°	1682.4	49.9
0°-40°	2550.4	75.7
0°-60°	3285.1	97.5
0°-90°	3370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3370.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2172	
5°	2172	207
15°	2113	596
25°	1925	880
35°	1408	868
45°	681	531
55°	215	204
65°	60	64
75°	18	19
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2172.2
2.5°	2176.7
5°	2172.2
7.5°	2167.6
10°	2153.9
12.5°	2135.5
15°	2112.7
17.5°	2085.2
20°	2044.0
22.5°	1998.4
25°	1925.2
27.5°	1833.6
30°	1719.4
32.5°	1577.7
35°	1408.4
37.5°	1220.9
40°	1028.9
42.5°	850.6
45°	681.4
47.5°	530.3
50°	402.4
52.5°	297.3
55°	214.9
57.5°	150.8
60°	109.6
62.5°	82.4
65°	59.5
67.5°	45.8
70°	32.0
72.5°	22.9
75°	18.3
77.5°	9.2
80°	9.2
82.5°	4.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)