

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: P857339

Luminaire Tested: **LX4C25D010 EX4C259027 4LBMH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P857339  
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: LX4C25D010 EX4C259027 4LBMH  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

**Summary**

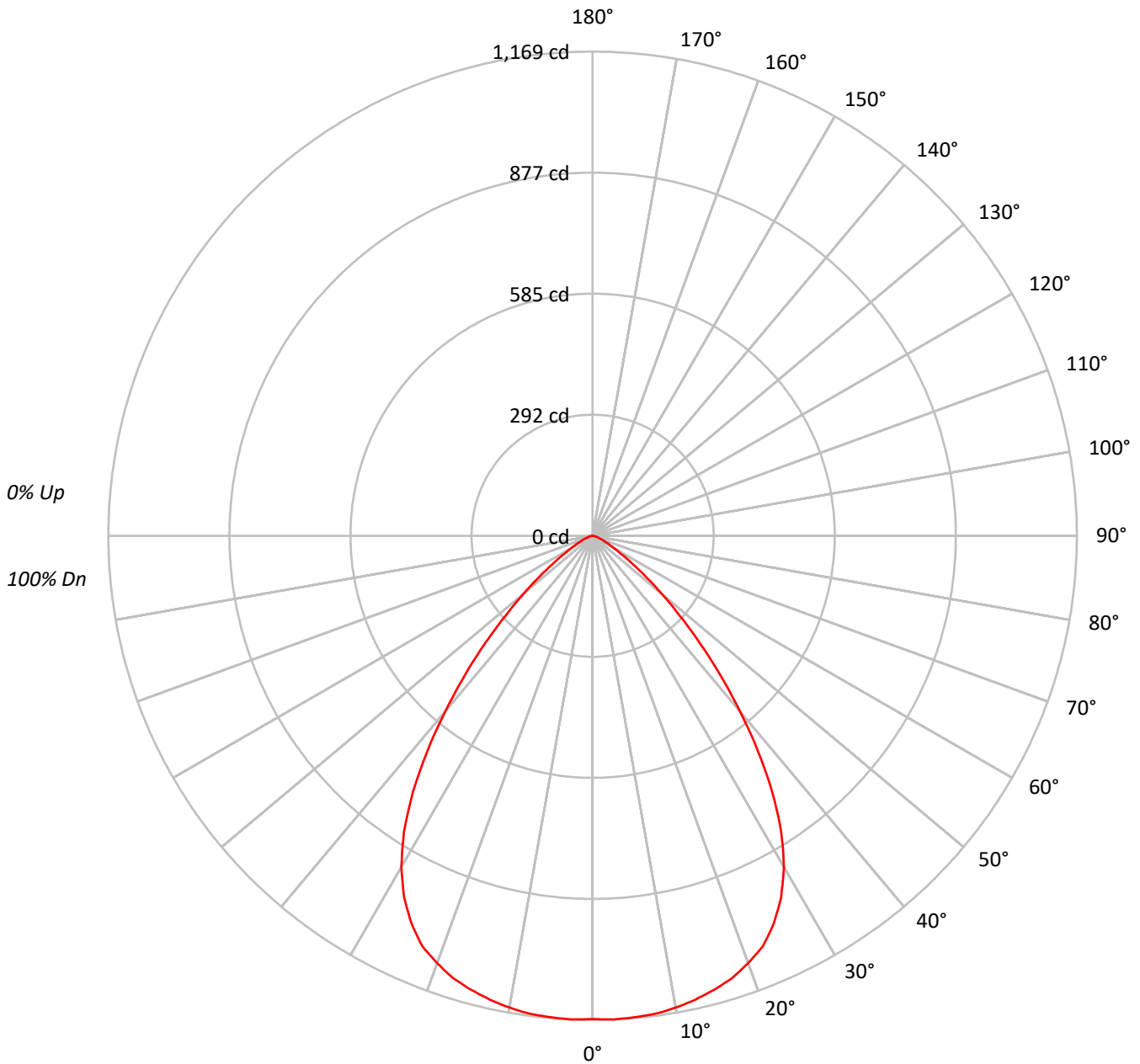
Lumens per Lamp: N/A  
Luminaire Lumens: 1810.0 lumens  
Efficiency: N/A  
Efficacy: 57.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.5  
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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

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

	0°
0°	143333
5°	143881
10°	144309
15°	144319
20°	143524
25°	140163
30°	131007
35°	113442
40°	88623
45°	63589
50°	41302
55°	24717
60°	14472
65°	9302
70°	6178
75°	4652
80°	3467
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.1	6.1
10°-20°	320.1	17.7
20°-30°	472.4	26.1
30°-40°	466.2	25.8
40°-50°	285.3	15.8
50°-60°	109.4	6.0
60°-70°	34.2	1.9
70°-80°	10.0	0.6
80°-90°	1.3	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°	903.6	49.9
0°-40°	1369.8	75.7
0°-60°	1764.4	97.5
0°-90°	1810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1810.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1167	
5°	1167	111
15°	1135	320
25°	1034	472
35°	756	466
45°	366	285
55°	115	109
65°	32	34
75°	10	10
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1166.7
2.5°	1169.1
5°	1166.7
7.5°	1164.2
10°	1156.8
12.5°	1147.0
15°	1134.7
17.5°	1119.9
20°	1097.8
22.5°	1073.3
25°	1034.0
27.5°	984.8
30°	923.5
32.5°	847.4
35°	756.4
37.5°	655.7
40°	552.6
42.5°	456.8
45°	366.0
47.5°	284.8
50°	216.1
52.5°	159.7
55°	115.4
57.5°	81.0
60°	58.9
62.5°	44.3
65°	32.0
67.5°	24.6
70°	17.2
72.5°	12.3
75°	9.8
77.5°	4.9
80°	4.9
82.5°	2.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)