

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: P859584

Luminaire Tested: **LX4C75D010 EX4C759040 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859584  
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: LX4C75D010 EX4C759040 4LBMDH  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

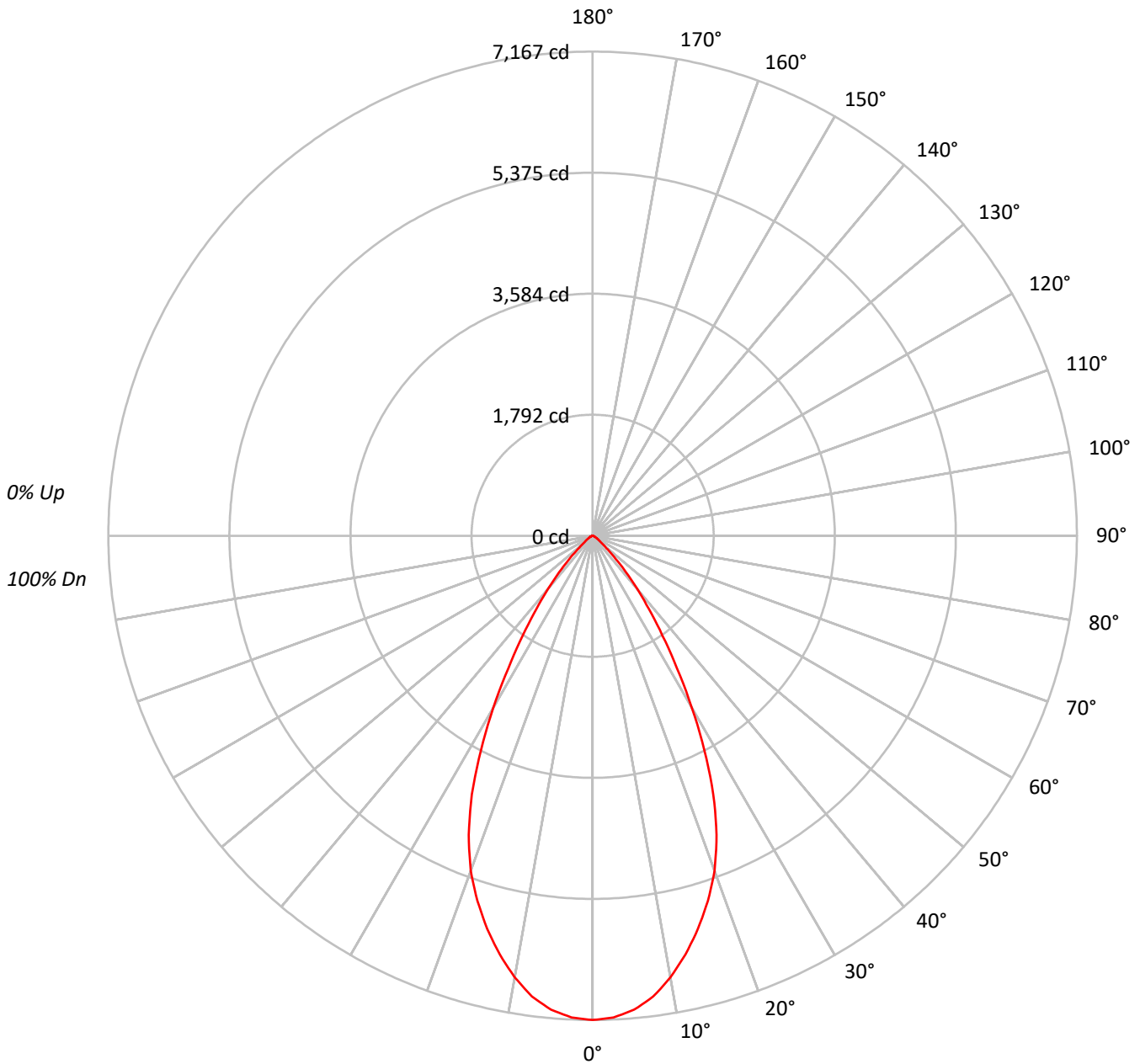
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5948.9 lumens  
Efficiency: N/A  
Efficacy: 73.0 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): 81.5  
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°	880466
5°	868587
10°	827845
15°	766036
20°	689590
25°	572878
30°	416441
35°	269943
40°	163357
45°	84195
50°	38111
55°	22940
60°	15381
65°	11017
70°	8298
75°	5459
80°	3467
85°	2255



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	659.4	11.1
10°-20°	1680.7	28.3
20°-30°	1900.5	31.9
30°-40°	1148.5	19.3
40°-50°	402.3	6.8
50°-60°	102.9	1.7
60°-70°	39.4	0.7
70°-80°	13.2	0.2
80°-90°	2.0	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°	4240.5	71.3
0°-40°	5389.1	90.6
0°-60°	5894.3	99.1
0°-90°	5948.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5948.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7167	
5°	7043	659
15°	6023	1681
25°	4226	1900
35°	1800	1149
45°	485	402
55°	107	103
65°	38	39
75°	12	13
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7166.8
2.5°	7137.1
5°	7043.2
7.5°	6876.7
10°	6636.1
12.5°	6346.0
15°	6022.9
17.5°	5668.5
20°	5274.6
22.5°	4791.6
25°	4226.2
27.5°	3578.5
30°	2935.6
32.5°	2320.8
35°	1799.9
37.5°	1364.8
40°	1018.6
42.5°	731.8
45°	484.6
47.5°	298.3
50°	199.4
52.5°	143.4
55°	107.1
57.5°	82.4
60°	62.6
62.5°	49.4
65°	37.9
67.5°	29.7
70°	23.1
72.5°	16.5
75°	11.5
77.5°	8.2
80°	4.9
82.5°	3.3
85°	1.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)