

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: P839396

Luminaire Tested: **LD4C75D010 EU4759040 4LBSH**

Issue Date: 2/14/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/14/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C75D010 EU4759040 4LBSH  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

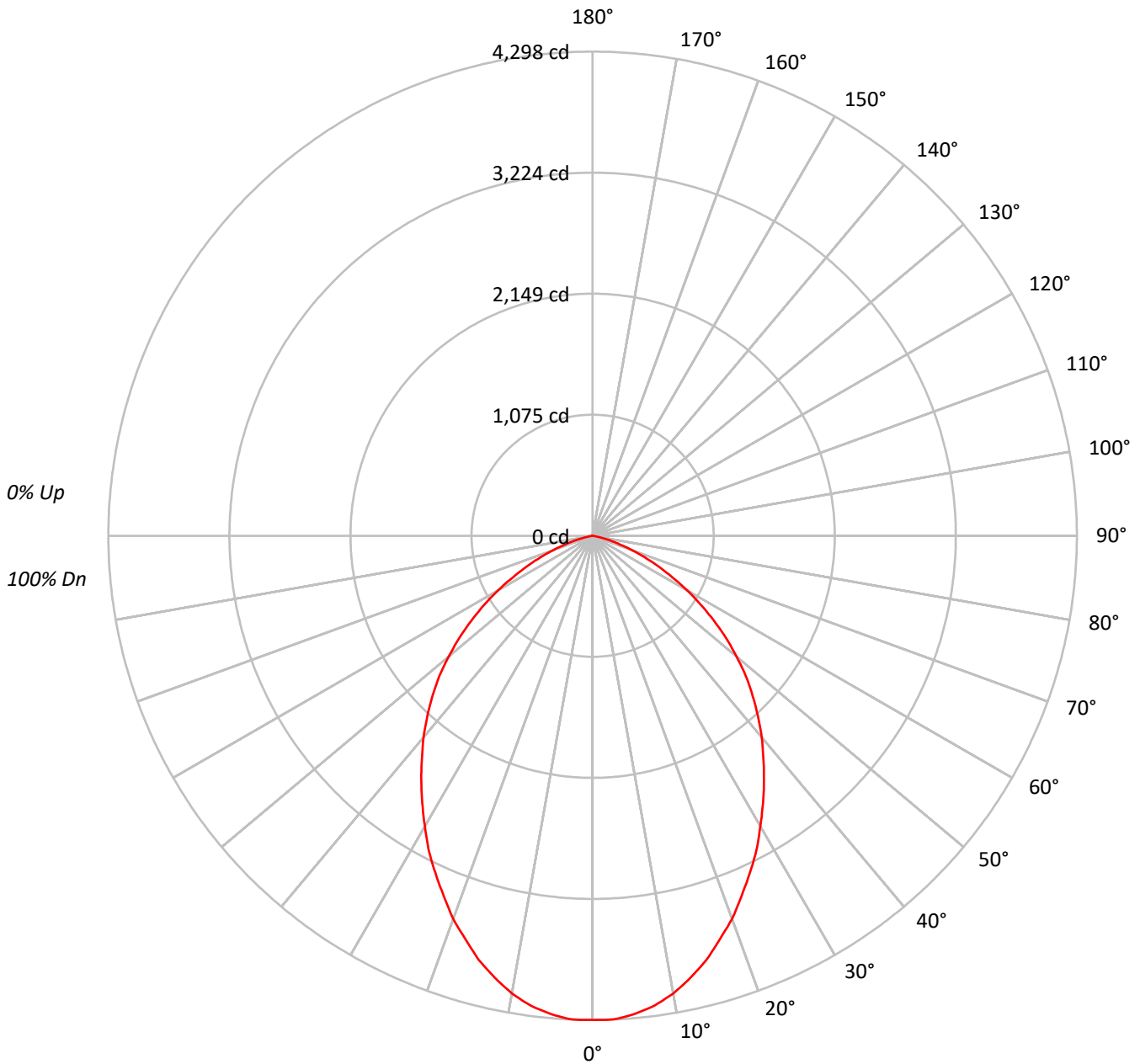
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8218.0 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
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									
RC	80									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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																			

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

	0°
0°	528024
5°	525577
10°	514726
15°	496018
20°	473180
25°	447680
30°	422300
35°	397602
40°	374377
45°	348994
50°	318225
55°	281037
60°	237893
65°	186772
70°	133299
75°	73052
80°	12876
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.6	4.9
10°-20°	1094.2	13.3
20°-30°	1519.6	18.5
30°-40°	1658.2	20.2
40°-50°	1546.9	18.8
50°-60°	1174.1	14.3
60°-70°	642.9	7.8
70°-80°	176.9	2.2
80°-90°	2.5	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°	3016.4	36.7
0°-40°	4674.7	56.9
0°-60°	7395.7	90.0
0°-90°	8218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8218.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4298	
5°	4262	403
15°	3900	1094
25°	3303	1520
35°	2651	1658
45°	2009	1547
55°	1312	1174
65°	642	643
75°	154	177
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4298.0
2.5°	4298.0
5°	4261.8
7.5°	4207.6
10°	4126.1
12.5°	4017.6
15°	3899.9
17.5°	3755.2
20°	3619.3
22.5°	3456.5
25°	3302.6
27.5°	3148.9
30°	2976.9
32.5°	2814.0
35°	2651.1
37.5°	2488.3
40°	2334.4
42.5°	2171.6
45°	2008.7
47.5°	1845.8
50°	1665.0
52.5°	1492.9
55°	1312.1
57.5°	1140.0
60°	968.2
62.5°	796.3
65°	642.5
67.5°	497.6
70°	371.1
72.5°	253.4
75°	153.9
77.5°	72.3
80°	18.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)