

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: P839165

Luminaire Tested: **LD4C08D010 EU4089030 4LBSH**

Issue Date: 2/14/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839165  
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: LD4C08D010 EU4089030 4LBSH  
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

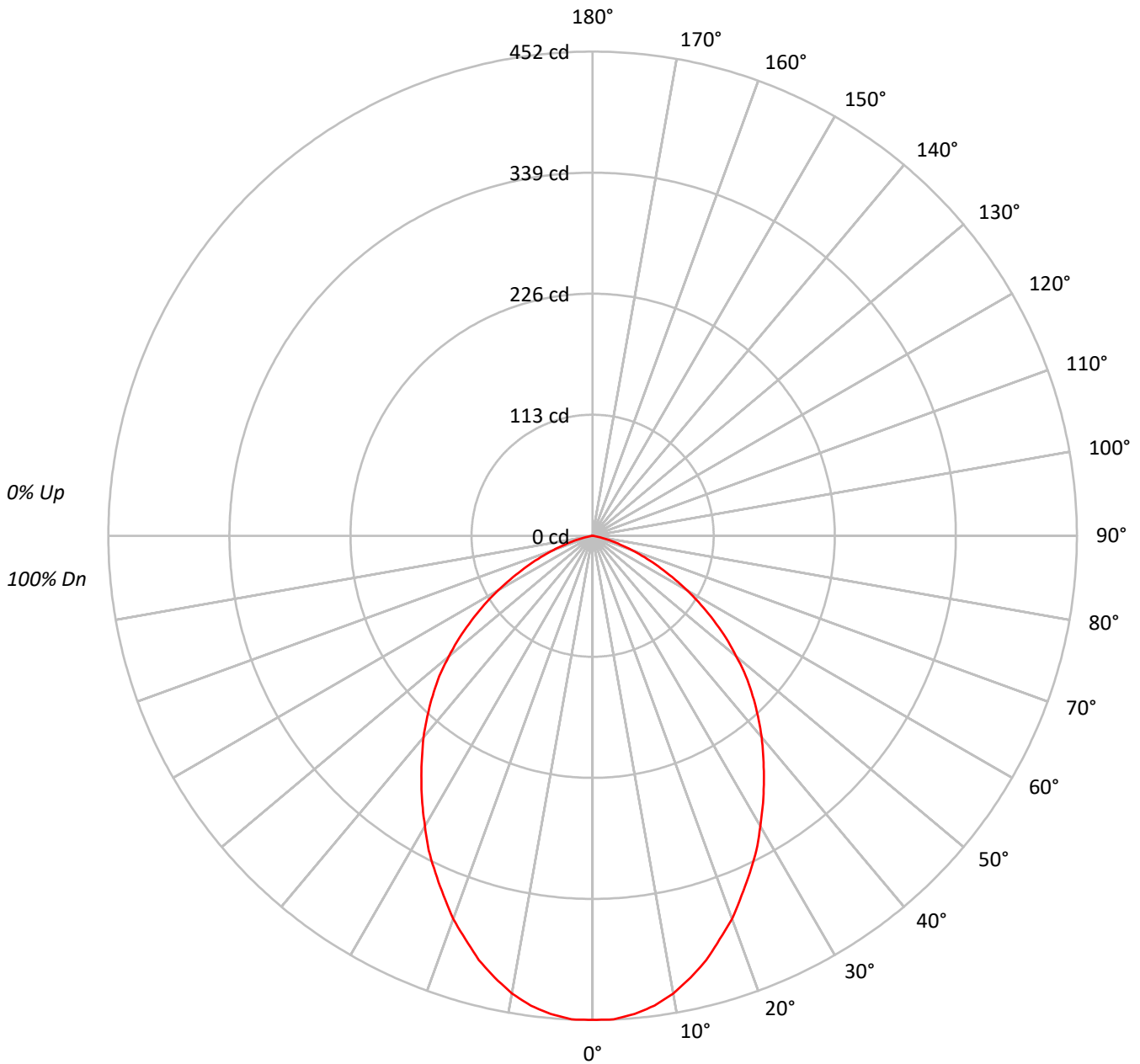
Lumens per Lamp: N/A  
Luminaire Lumens: 864.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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	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°	55517
5°	55261
10°	54116
15°	52147
20°	49746
25°	47064
30°	44402
35°	41798
40°	39356
45°	36694
50°	33447
55°	29537
60°	25013
65°	19622
70°	14009
75°	7690
80°	1344
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.3	4.9
10°-20°	115.0	13.3
20°-30°	159.8	18.5
30°-40°	174.3	20.2
40°-50°	162.6	18.8
50°-60°	123.4	14.3
60°-70°	67.6	7.8
70°-80°	18.6	2.2
80°-90°	0.3	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°	317.1	36.7
0°-40°	491.5	56.9
0°-60°	777.6	90.0
0°-90°	864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	864.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	452	
5°	448	42
15°	410	115
25°	347	160
35°	279	174
45°	211	163
55°	138	123
65°	68	68
75°	16	19
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	451.9
2.5°	451.9
5°	448.1
7.5°	442.4
10°	433.8
12.5°	422.4
15°	410.0
17.5°	394.8
20°	380.5
22.5°	363.4
25°	347.2
27.5°	331.1
30°	313.0
32.5°	295.9
35°	278.7
37.5°	261.6
40°	245.4
42.5°	228.3
45°	211.2
47.5°	194.1
50°	175.0
52.5°	157.0
55°	137.9
57.5°	119.9
60°	101.8
62.5°	83.7
65°	67.5
67.5°	52.3
70°	39.0
72.5°	26.6
75°	16.2
77.5°	7.6
80°	1.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)