

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: P839354

Luminaire Tested: **LD4C60D010 EU4609050 4LBSH**

Issue Date: 2/14/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P839354  
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: LD4C60D010 EU4609050 4LBSH  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

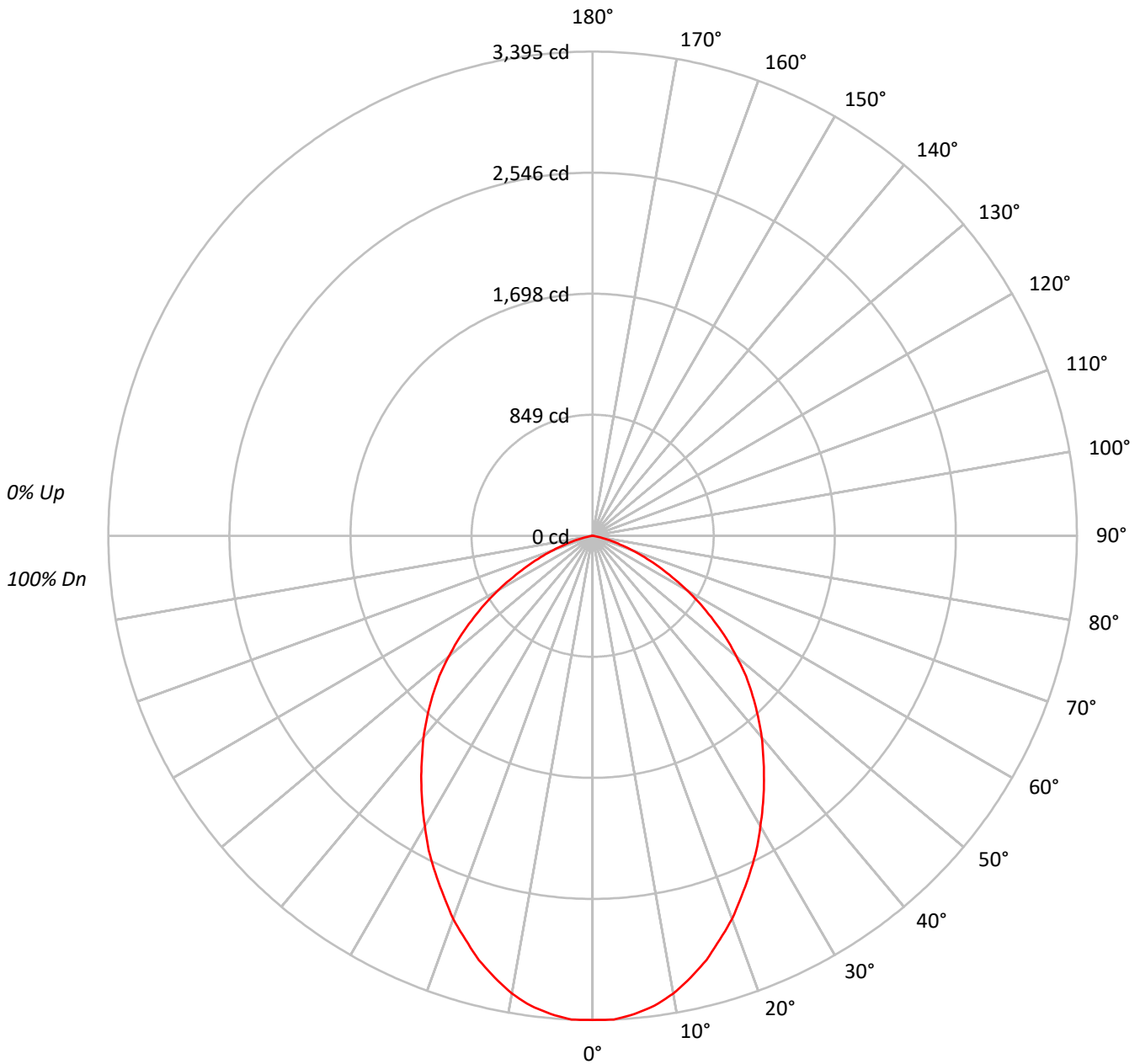
Lumens per Lamp: N/A  
Luminaire Lumens: 6492.0 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
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°	417124
5°	415191
10°	406618
15°	391839
20°	373806
25°	353660
30°	333596
35°	314096
40°	295745
45°	275692
50°	251388
55°	222006
60°	187917
65°	147528
70°	105317
75°	57720
80°	10188
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.0	4.9
10°-20°	864.4	13.3
20°-30°	1200.5	18.5
30°-40°	1310.0	20.2
40°-50°	1222.0	18.8
50°-60°	927.5	14.3
60°-70°	507.9	7.8
70°-80°	139.8	2.2
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°	2382.9	36.7
0°-40°	3692.9	56.9
0°-60°	5842.4	90.0
0°-90°	6492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6492.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3395	
5°	3367	318
15°	3081	864
25°	2609	1200
35°	2094	1310
45°	1587	1222
55°	1036	928
65°	508	508
75°	122	140
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3395.3
2.5°	3395.3
5°	3366.7
7.5°	3323.9
10°	3259.5
12.5°	3173.8
15°	3080.8
17.5°	2966.5
20°	2859.2
22.5°	2730.5
25°	2609.0
27.5°	2487.6
30°	2351.6
32.5°	2223.0
35°	2094.3
37.5°	1965.7
40°	1844.1
42.5°	1715.5
45°	1586.8
47.5°	1458.2
50°	1315.3
52.5°	1179.4
55°	1036.5
57.5°	900.6
60°	764.8
62.5°	629.1
65°	507.5
67.5°	393.1
70°	293.2
72.5°	200.2
75°	121.6
77.5°	57.1
80°	14.4
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)