

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: P839375

Luminaire Tested: **LD4C70D010 EU4709030 4LBSH**

Issue Date: 2/14/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839375  
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: LD4C70D010 EU4709030 4LBSH  
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

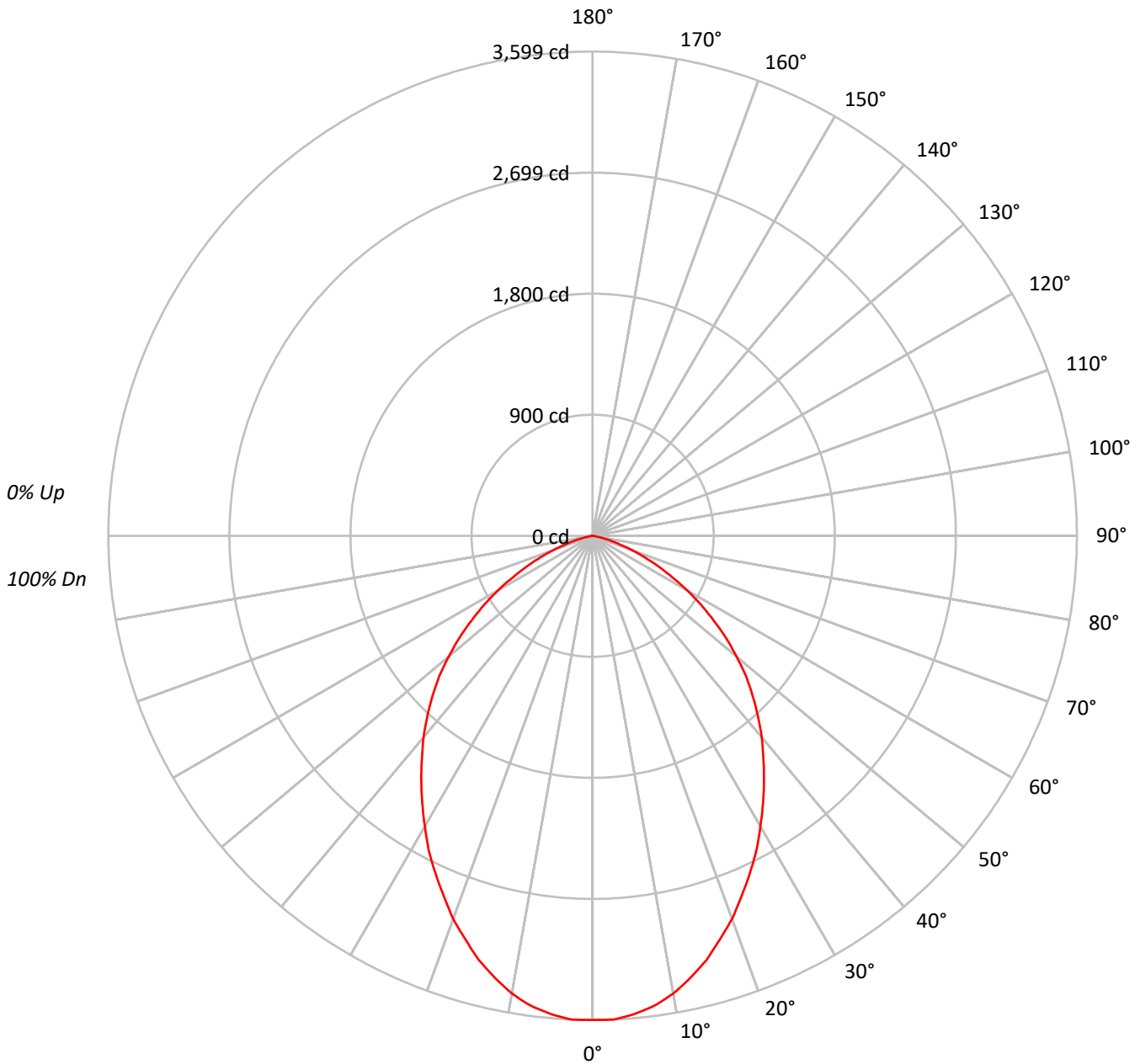
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6882.0 lumens  
Efficiency: N/A  
Efficacy: 88.2 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): 78  
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°	442174
5°	440127
10°	431044
15°	415381
20°	396254
25°	374901
30°	353640
35°	332978
40°	313515
45°	292250
50°	266487
55°	235350
60°	199219
65°	156394
70°	111639
75°	61185
80°	10754
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.1	4.9
10°-20°	916.3	13.3
20°-30°	1272.6	18.5
30°-40°	1388.7	20.2
40°-50°	1295.4	18.8
50°-60°	983.3	14.3
60°-70°	538.4	7.8
70°-80°	148.2	2.2
80°-90°	2.1	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°	2526.0	36.7
0°-40°	3914.7	56.9
0°-60°	6193.4	90.0
0°-90°	6882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6882.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3599	
5°	3569	337
15°	3266	916
25°	2766	1273
35°	2220	1389
45°	1682	1295
55°	1099	983
65°	538	538
75°	129	148
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3599.2
2.5°	3599.2
5°	3568.9
7.5°	3523.6
10°	3455.3
12.5°	3364.5
15°	3265.9
17.5°	3144.7
20°	3030.9
22.5°	2894.5
25°	2765.7
27.5°	2637.0
30°	2492.9
32.5°	2356.5
35°	2220.2
37.5°	2083.8
40°	1954.9
42.5°	1818.5
45°	1682.1
47.5°	1545.8
50°	1394.3
52.5°	1250.2
55°	1098.8
57.5°	954.7
60°	810.8
62.5°	666.9
65°	538.0
67.5°	416.7
70°	310.8
72.5°	212.2
75°	128.9
77.5°	60.6
80°	15.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)