

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: P839381

Luminaire Tested: **LD4C70D010 EU4709040 4LBSH**

Issue Date: 2/14/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839381  
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 EU4709040 4LBSH  
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

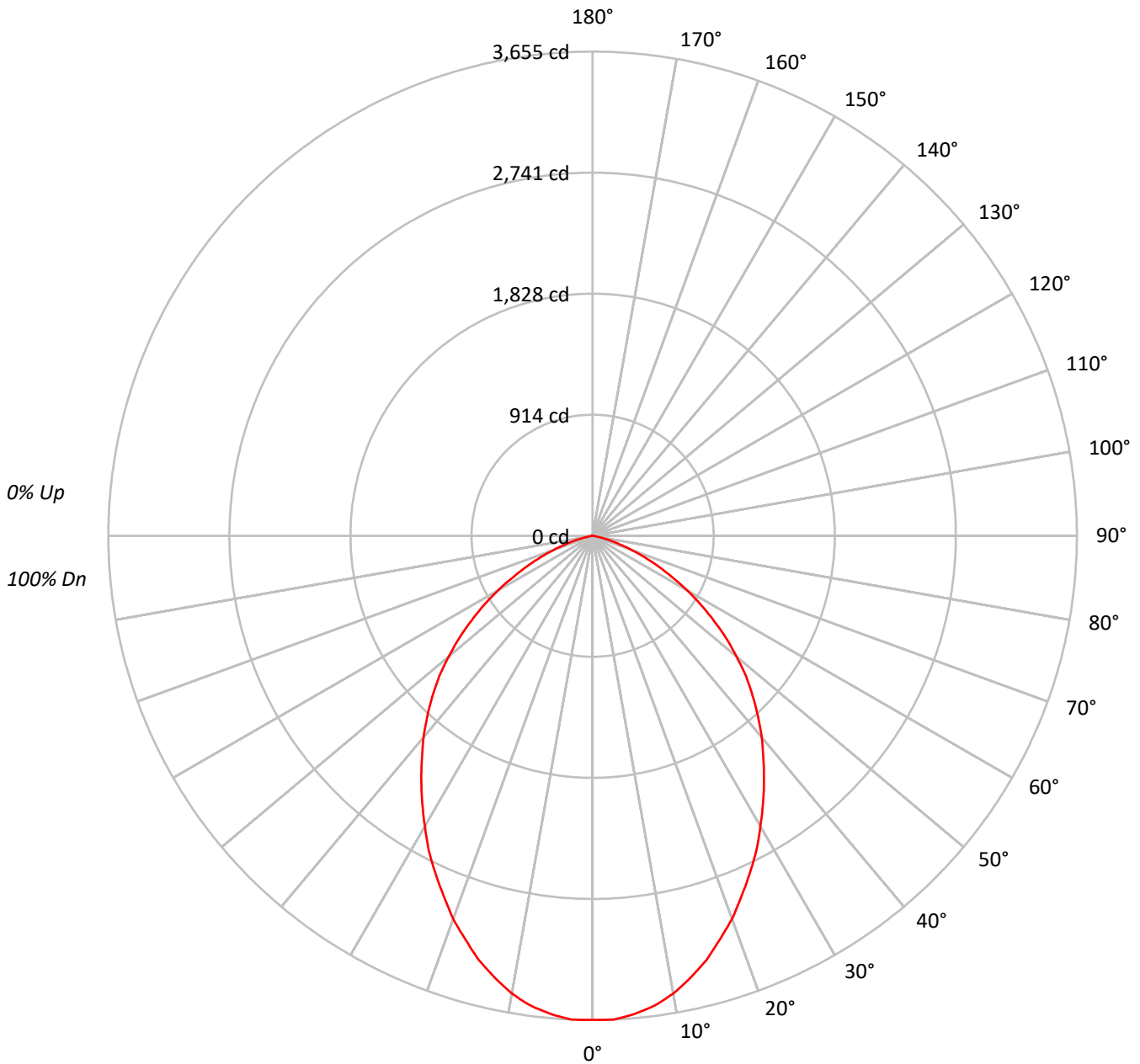
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6989.1 lumens  
Efficiency: N/A  
Efficacy: 89.6 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

TEST NUMBER: P839381  
CATALOG NUMBER: LD4C70D010 EU4709040 4LBSH

### Luminous Intensity Polar Plot





TEST NUMBER: P839381

CATALOG NUMBER: LD4C70D010 EU4709040 4LBSH

**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°	449054
5°	446971
10°	437743
15°	421842
20°	402424
25°	380730
30°	359144
35°	338152
40°	318390
45°	296802
50°	270635
55°	239013
60°	202315
65°	158836
70°	113363
75°	62134
80°	10966
85°	0



TEST NUMBER: P839381

CATALOG NUMBER: LD4C70D010 EU4709040 4LBSH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.4	4.9
10°-20°	930.6	13.3
20°-30°	1292.4	18.5
30°-40°	1410.3	20.2
40°-50°	1315.6	18.8
50°-60°	998.5	14.3
60°-70°	546.8	7.8
70°-80°	150.5	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°	2565.3	36.7
0°-40°	3975.6	56.9
0°-60°	6289.7	90.0
0°-90°	6989.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6989.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3655	
5°	3624	342
15°	3317	931
25°	2809	1292
35°	2255	1410
45°	1708	1316
55°	1116	999
65°	546	547
75°	131	150
85°	0	2
90°	0	



TEST NUMBER: P839381

CATALOG NUMBER: LD4C70D010 EU4709040 4LBSH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3655.2
2.5°	3655.2
5°	3624.4
7.5°	3578.4
10°	3509.0
12.5°	3416.8
15°	3316.7
17.5°	3193.6
20°	3078.1
22.5°	2939.6
25°	2808.7
27.5°	2678.0
30°	2531.7
32.5°	2393.2
35°	2254.7
37.5°	2116.2
40°	1985.3
42.5°	1846.8
45°	1708.3
47.5°	1569.8
50°	1416.0
52.5°	1269.7
55°	1115.9
57.5°	969.5
60°	823.4
62.5°	677.2
65°	546.4
67.5°	423.2
70°	315.6
72.5°	215.5
75°	130.9
77.5°	61.5
80°	15.5
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)