

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: P856692

Luminaire Tested: **LD4C10D010 EU4109027 4LBHYH**

Issue Date: 10/18/2023



Test Information

Test Method: LM-79-08
Report Number: P856692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/18/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C10D010 EU4109027 4LBHYH
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCHYP TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

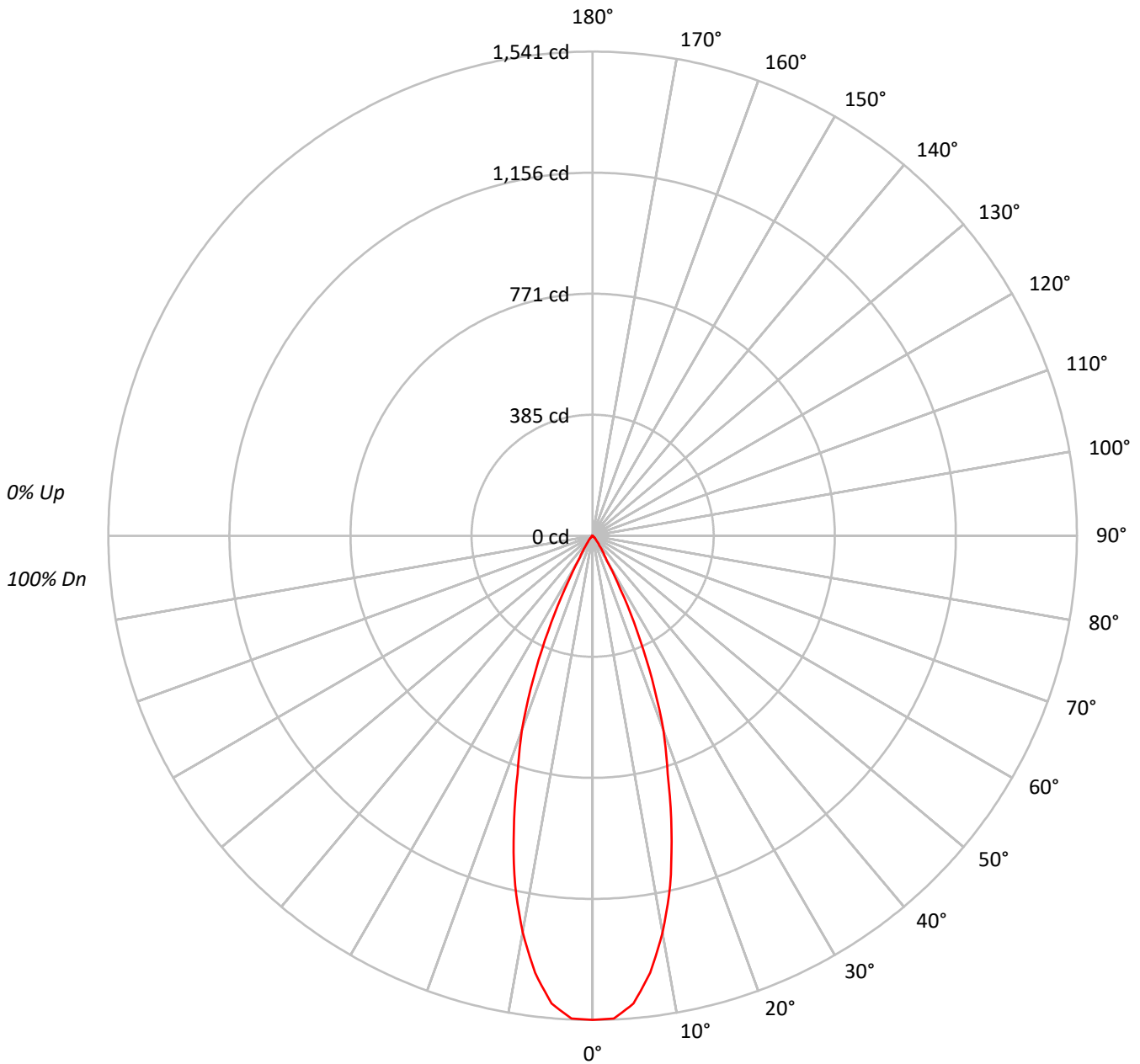
Lumens per Lamp: N/A
Luminaire Lumens: 588.5 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.59
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V):
Input Current (A_{in}): 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: P856692

CATALOG NUMBER: LD4C10D010 EU4109027 4LBHYH

Luminous Intensity Polar Plot





TEST NUMBER: P856692

CATALOG NUMBER: LD4C10D010 EU4109027 4LBHYH

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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																											
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																											
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88																											
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	87	86	84																											
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81																											
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78																											
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	75																											
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72																											
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69																											
10	83	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	68	67																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	189293
5°	184281
10°	159890
15°	123372
20°	85960
25°	45302
30°	12668
35°	5609
40°	2791
45°	1442
50°	631
55°	86
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P856692

CATALOG NUMBER: LD4C10D010 EU4109027 4LBHYH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.6	23.0
10°-20°	265.2	45.1
20°-30°	153.2	26.0
30°-40°	26.9	4.6
40°-50°	6.8	1.2
50°-60°	0.7	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	554.0	94.1
0°-40°	580.9	98.7
0°-60°	588.5	100.0
0°-90°	588.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	588.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1541	
5°	1494	136
15°	970	265
25°	334	153
35°	37	27
45°	8	7
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P856692

CATALOG NUMBER: LD4C10D010 EU4109027 4LBHYH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1540.8
2.5°	1538.2
5°	1494.3
7.5°	1402.5
10°	1281.7
12.5°	1140.2
15°	970.0
17.5°	794.7
20°	657.5
22.5°	493.8
25°	334.2
27.5°	191.2
30°	89.3
32.5°	61.0
35°	37.4
37.5°	25.0
40°	17.4
42.5°	12.0
45°	8.3
47.5°	5.4
50°	3.3
52.5°	1.4
55°	0.4
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
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)