

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: P859714

Luminaire Tested: **LD4C08D010 EU4089050 4LBHYH**

Issue Date: 10/18/2023



Test Information

Test Method: LM-79-08
Report Number: P859714
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: LD4C08D010 EU4089050 4LBHYH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LCHYP TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

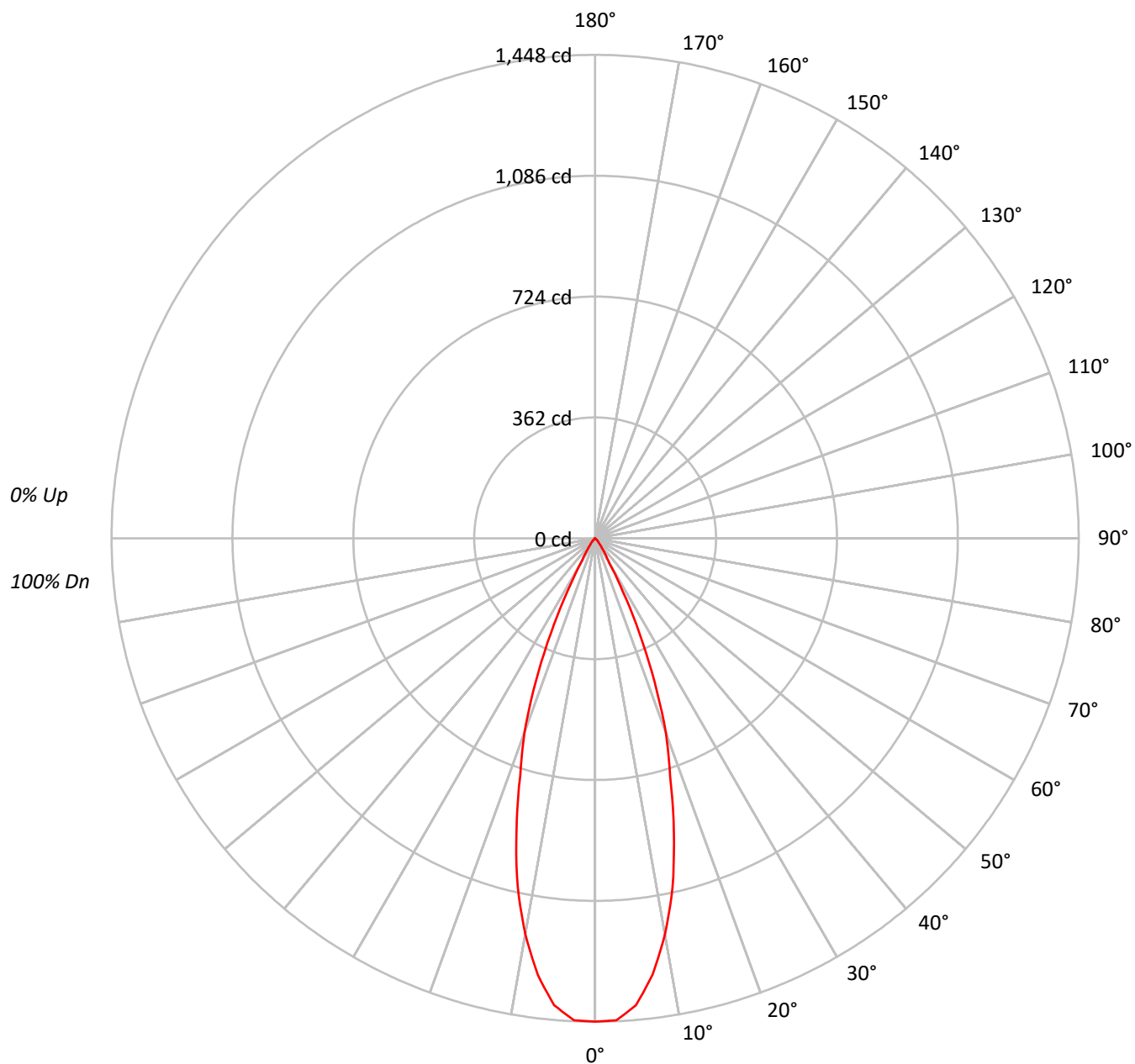
Lumens per Lamp: N/A
Luminaire Lumens: 552.9 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.59
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V):
Input Current (Ain): 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: P859714

CATALOG NUMBER: LD4C08D010 EU4089050 4LBHYH

Luminous Intensity Polar Plot





TEST NUMBER: P859714

CATALOG NUMBER: LD4C08D010 EU4089050 4LBHYH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	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			100
1	115	112	110	108		112	110	108	107		106	105	103			103	101	100			96
2	110	106	103	100		108	105	102	99		102	99	97			99	97	95			92
3	106	101	97	94		105	100	96	93		97	94	92			95	93	91			88
4	103	97	92	89		101	96	92	88		94	90	87			92	89	86			84
5	99	92	88	84		97	92	87	84		90	86	83			88	85	83			81
6	95	89	84	81		94	88	83	80		86	83	80			85	82	79			78
7	92	85	80	77		91	84	80	77		83	79	76			82	79	76			75
8	89	82	77	74		88	81	77	74		80	76	73			79	76	73			72
9	86	79	74	71		85	78	74	71		77	73	71			77	73	70			69
10	83	76	71	68		83	76	71	68		75	71	68			74	70	68			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	177867
5°	173157
10°	150235
15°	115918
20°	80770
25°	42564
30°	11902
35°	5264
40°	2614
45°	1355
50°	573
55°	86
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P859714

CATALOG NUMBER: LD4C08D010 EU4089050 4LBHYH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.4	23.0
10°-20°	249.2	45.1
20°-30°	144.0	26.0
30°-40°	25.2	4.6
40°-50°	6.4	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°	520.6	94.1
0°-40°	545.8	98.7
0°-60°	552.9	100.0
0°-90°	552.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1448	
5°	1404	127
15°	911	249
25°	314	144
35°	35	25
45°	8	6
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P859714

CATALOG NUMBER: LD4C08D010 EU4089050 4LBHYH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1447.8
2.5°	1445.4
5°	1404.1
7.5°	1317.9
10°	1204.3
12.5°	1071.4
15°	911.4
17.5°	746.7
20°	617.8
22.5°	464.1
25°	314.0
27.5°	179.7
30°	83.9
32.5°	57.3
35°	35.1
37.5°	23.5
40°	16.3
42.5°	11.2
45°	7.8
47.5°	5.1
50°	3.0
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)