

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: P859698

Luminaire Tested: **LX4C08D010 EX4C089040 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EX4C089040 4LBMH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

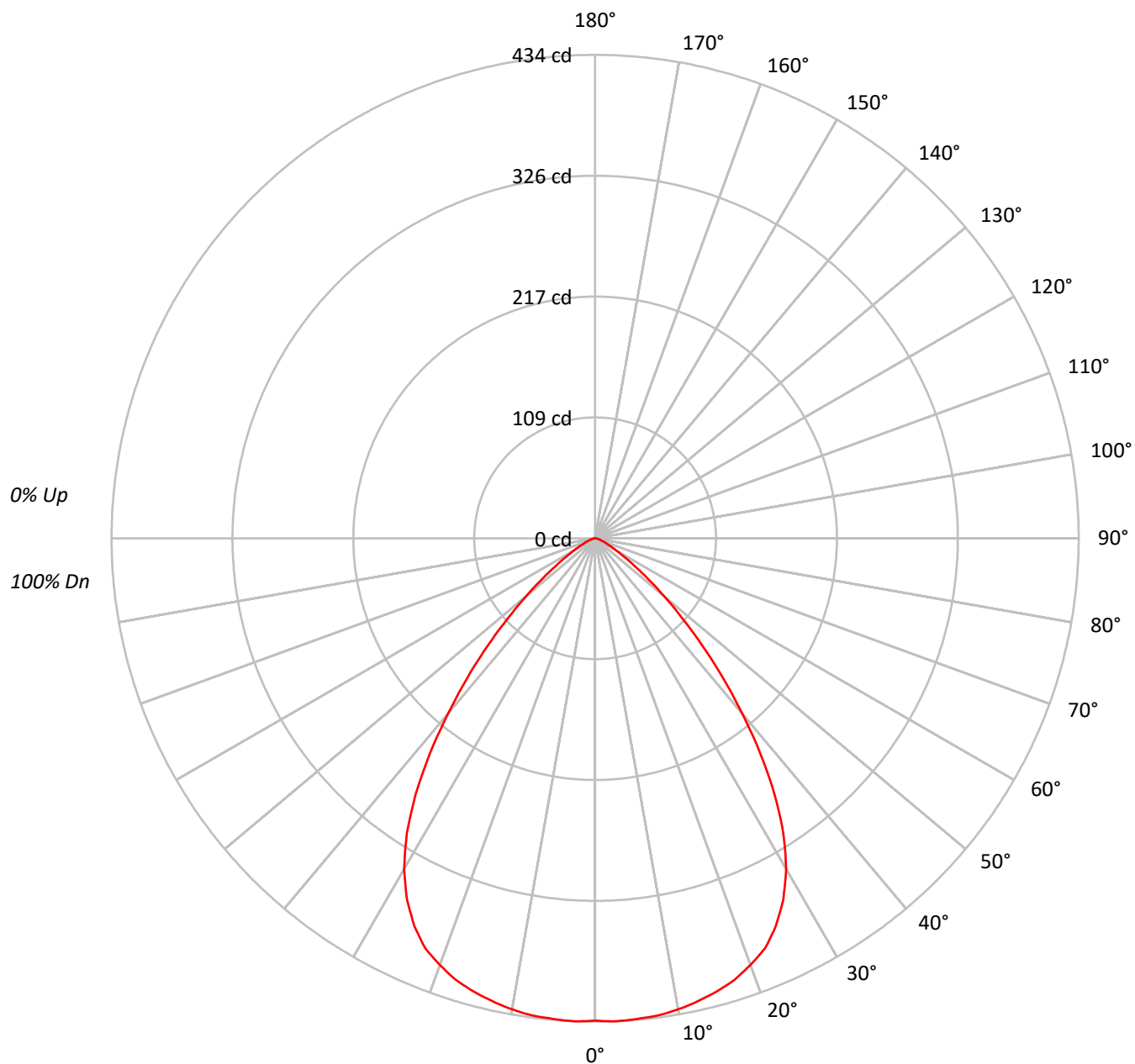
Lumens per Lamp: N/A
Luminaire Lumens: 672.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P859698

CATALOG NUMBER: LX4C08D010 EX4C089040 4LBMH

Luminous Intensity Polar Plot





TEST NUMBER: P859698

CATALOG NUMBER: LX4C08D010 EX4C089040 4LBMH

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		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	67	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53208
5°	53411
10°	53580
15°	53584
20°	53289
25°	52039
30°	48643
35°	42113
40°	32909
45°	23611
50°	15328
55°	9189
60°	5381
65°	3459
70°	2299
75°	1756
80°	1273
85°	0



TEST NUMBER: P859698

CATALOG NUMBER: LX4C08D010 EX4C089040 4LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	6.1
10°-20°	118.9	17.7
20°-30°	175.4	26.1
30°-40°	173.1	25.8
40°-50°	105.9	15.8
50°-60°	40.6	6.0
60°-70°	12.7	1.9
70°-80°	3.7	0.6
80°-90°	0.5	0.1
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°	335.5	49.9
0°-40°	508.6	75.7
0°-60°	655.1	97.5
0°-90°	672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	672.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	433	
5°	433	41
15°	421	119
25°	384	175
35°	281	173
45°	136	106
55°	43	41
65°	12	13
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P859698

CATALOG NUMBER: LX4C08D010 EX4C089040 4LBMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	433.1
2.5°	434.1
5°	433.1
7.5°	432.2
10°	429.5
12.5°	425.8
15°	421.3
17.5°	415.8
20°	407.6
22.5°	398.5
25°	383.9
27.5°	365.6
30°	342.9
32.5°	314.6
35°	280.8
37.5°	243.5
40°	205.2
42.5°	169.6
45°	135.9
47.5°	105.8
50°	80.2
52.5°	59.3
55°	42.9
57.5°	30.1
60°	21.9
62.5°	16.4
65°	11.9
67.5°	9.1
70°	6.4
72.5°	4.6
75°	3.7
77.5°	1.8
80°	1.8
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)