

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: P#

Luminaire Tested: **LD4C100D010 EX4C1009035 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C100D010 EX4C1009035 4LBSQH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

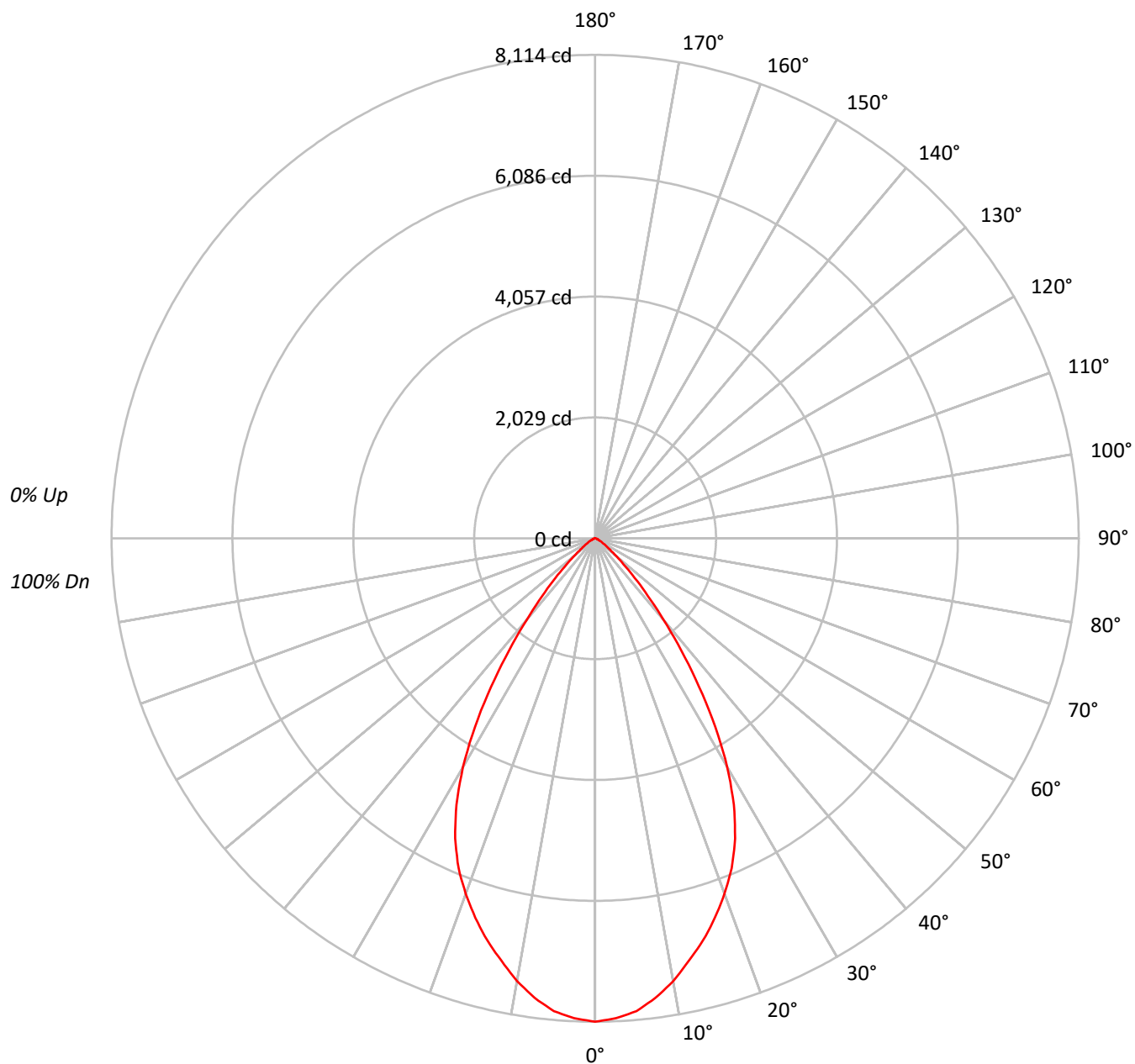
Lumens per Lamp: N/A
Luminaire Lumens: 8183.1 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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

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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
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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	782911
5°	771538
10°	739298
15°	698270
20°	651790
25°	591683
30°	493995
35°	357873
40°	224028
45°	128050
50°	66769
55°	37413
60°	23852
65°	14110
70°	10466
75°	4623
80°	6890
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.6	9.1
10°-20°	1958.7	23.9
20°-30°	2517.2	30.8
30°-40°	1893.9	23.1
40°-50°	760.7	9.3
50°-60°	216.2	2.6
60°-70°	68.5	0.8
70°-80°	19.5	0.2
80°-90°	1.7	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°	5222.6	63.8
0°-40°	7116.5	87.0
0°-60°	8093.4	98.9
0°-90°	8183.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8183.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8114	
5°	7966	747
15°	6990	1959
25°	5558	2517
35°	3038	1894
45°	938	761
55°	222	216
65°	62	68
75°	12	20
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8114.0
2.5°	8064.5
5°	7965.7
7.5°	7780.4
10°	7545.6
12.5°	7262.0
15°	6990.2
17.5°	6681.3
20°	6347.7
22.5°	5990.0
25°	5557.6
27.5°	5038.6
30°	4433.8
32.5°	3754.3
35°	3038.2
37.5°	2371.1
40°	1778.6
42.5°	1309.1
45°	938.4
47.5°	642.5
50°	444.8
52.5°	308.9
55°	222.4
57.5°	160.6
60°	123.6
62.5°	86.5
65°	61.8
67.5°	49.4
70°	37.1
72.5°	24.7
75°	12.4
77.5°	12.4
80°	12.4
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)