

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 EX4C1009027 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 EX4C1009027 4LBSQH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

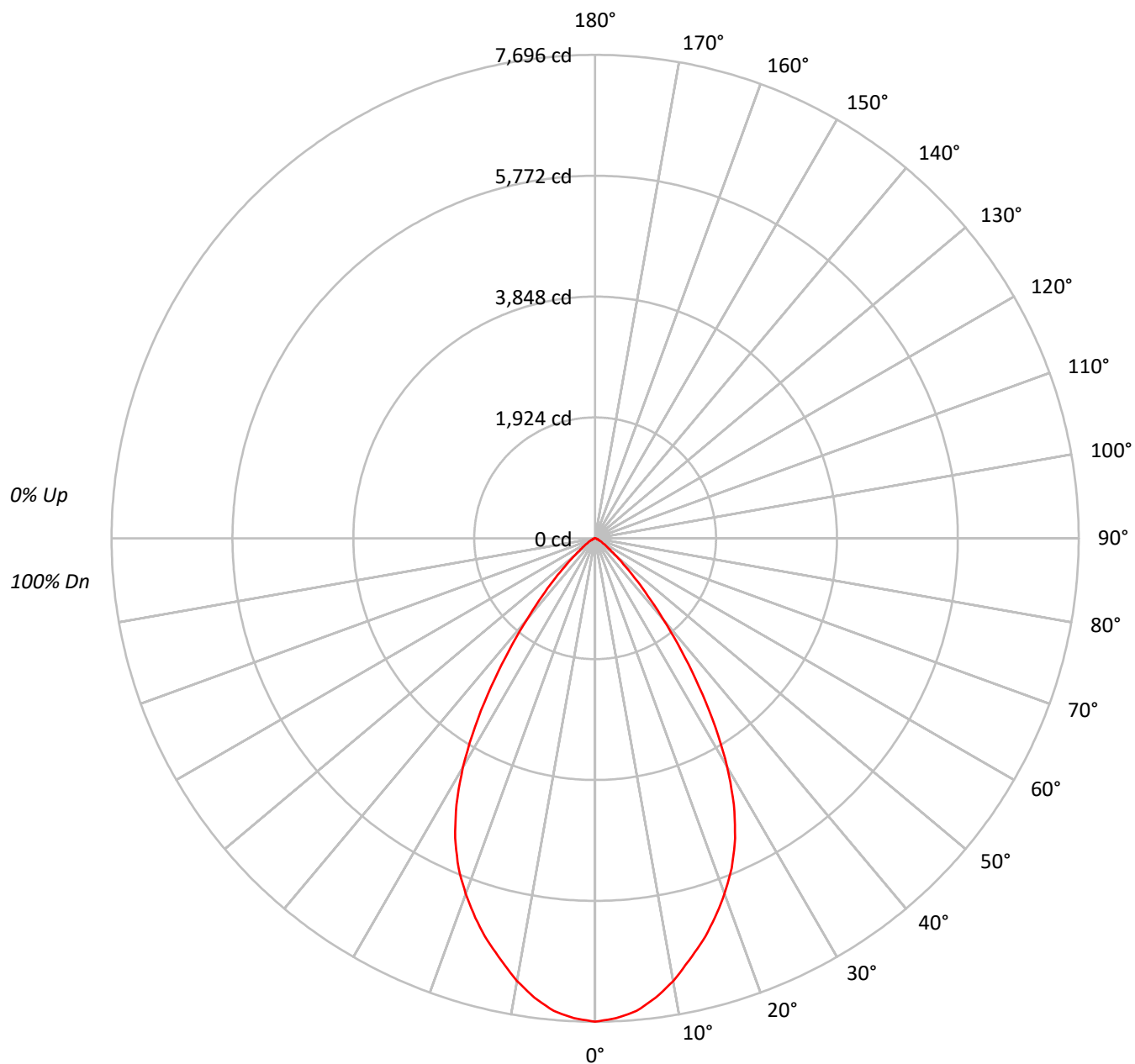
Lumens per Lamp: N/A
Luminaire Lumens: 7761.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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°	742530
5°	731748
10°	701175
15°	662258
20°	618183
25°	561170
30°	468526
35°	339427
40°	212477
45°	121446
50°	63316
55°	35478
60°	22617
65°	13379
70°	9930
75°	4362
80°	6501
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.1	9.1
10°-20°	1857.7	23.9
20°-30°	2387.4	30.8
30°-40°	1796.3	23.1
40°-50°	721.4	9.3
50°-60°	205.1	2.6
60°-70°	64.9	0.8
70°-80°	18.5	0.2
80°-90°	1.6	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°	4953.2	63.8
0°-40°	6749.5	87.0
0°-60°	7676.0	98.9
0°-90°	7761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7761.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7696	
5°	7555	708
15°	6630	1858
25°	5271	2387
35°	2882	1796
45°	890	721
55°	211	205
65°	59	65
75°	12	18
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7695.5
2.5°	7648.6
5°	7554.9
7.5°	7379.1
10°	7156.5
12.5°	6887.5
15°	6629.7
17.5°	6336.8
20°	6020.4
22.5°	5681.1
25°	5271.0
27.5°	4778.8
30°	4205.2
32.5°	3560.7
35°	2881.6
37.5°	2248.8
40°	1686.9
42.5°	1241.6
45°	890.0
47.5°	609.3
50°	421.8
52.5°	292.9
55°	210.9
57.5°	152.3
60°	117.2
62.5°	82.0
65°	58.6
67.5°	46.9
70°	35.2
72.5°	23.4
75°	11.7
77.5°	11.7
80°	11.7
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)