

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: **LD4C80D010 EX4C809050 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: LD4C80D010 EX4C809050 4LBSQH
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

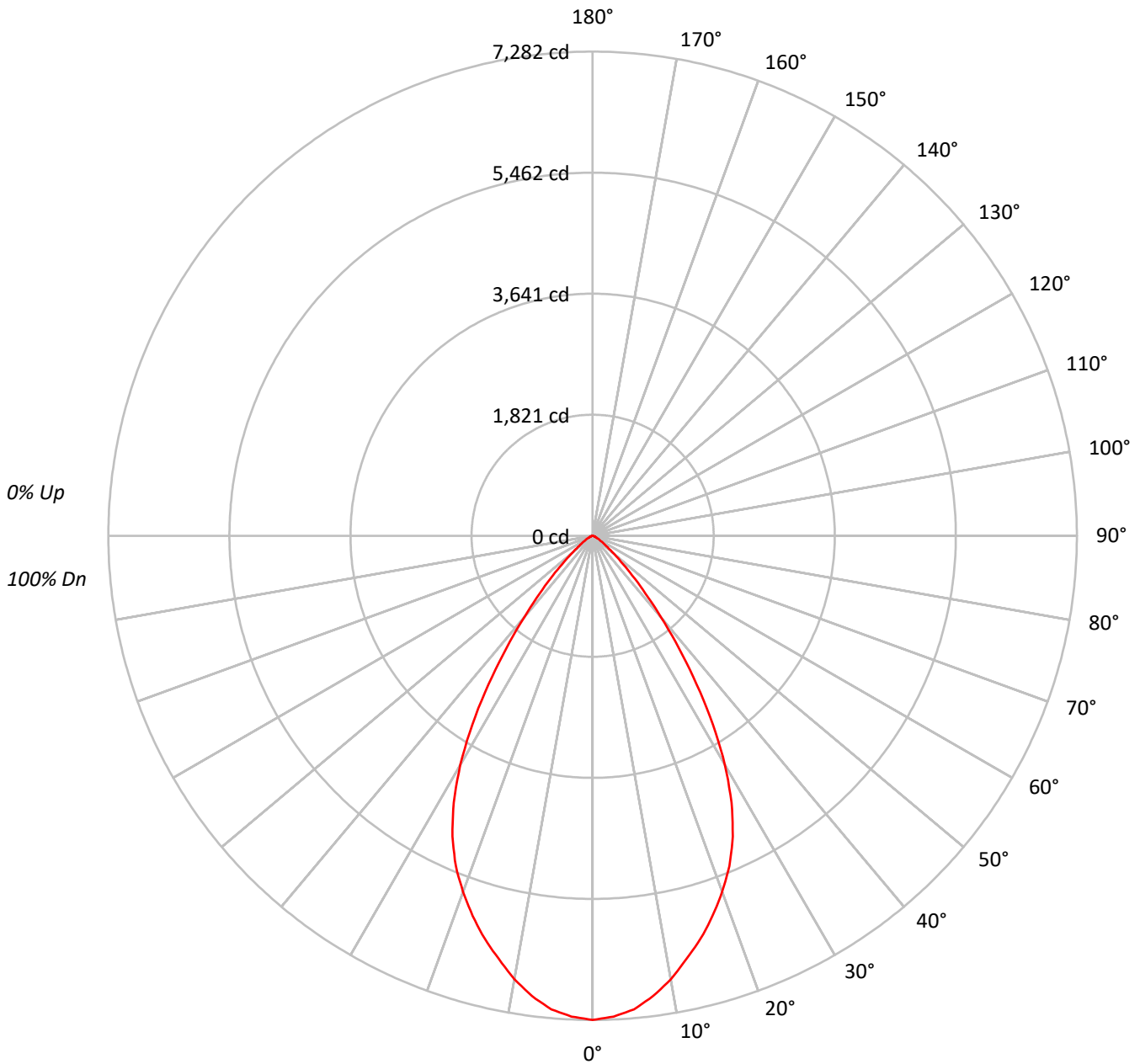
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7344.0 lumens
Efficiency: N/A
Efficacy: 82.1 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): 89.5
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

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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			0	
RW	70	50	30	10	70	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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	702632
5°	692434
10°	663503
15°	626677
20°	584965
25°	531009
30°	443346
35°	321181
40°	201053
45°	114923
50°	59924
55°	33577
60°	21401
65°	12648
70°	9394
75°	4138
80°	6168
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.1	9.1
10°-20°	1757.9	23.9
20°-30°	2259.1	30.8
30°-40°	1699.7	23.1
40°-50°	682.7	9.3
50°-60°	194.1	2.6
60°-70°	61.4	0.8
70°-80°	17.5	0.2
80°-90°	1.5	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°	4687.1	63.8
0°-40°	6386.8	87.0
0°-60°	7263.5	98.9
0°-90°	7344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7282	
5°	7149	670
15°	6274	1758
25°	4988	2259
35°	2727	1700
45°	842	683
55°	200	194
65°	55	61
75°	11	18
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7282.0
2.5°	7237.7
5°	7149.0
7.5°	6982.6
10°	6772.0
12.5°	6517.4
15°	6273.5
17.5°	5996.3
20°	5696.9
22.5°	5375.8
25°	4987.7
27.5°	4522.0
30°	3979.2
32.5°	3369.4
35°	2726.7
37.5°	2128.0
40°	1596.2
42.5°	1174.9
45°	842.2
47.5°	576.6
50°	399.2
52.5°	277.2
55°	199.6
57.5°	144.1
60°	110.9
62.5°	77.6
65°	55.4
67.5°	44.4
70°	33.3
72.5°	22.2
75°	11.1
77.5°	11.1
80°	11.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)