

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: **LD4C90D010 EX4C909030 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: LD4C90D010 EX4C909030 4LBSQH
Description: 4 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

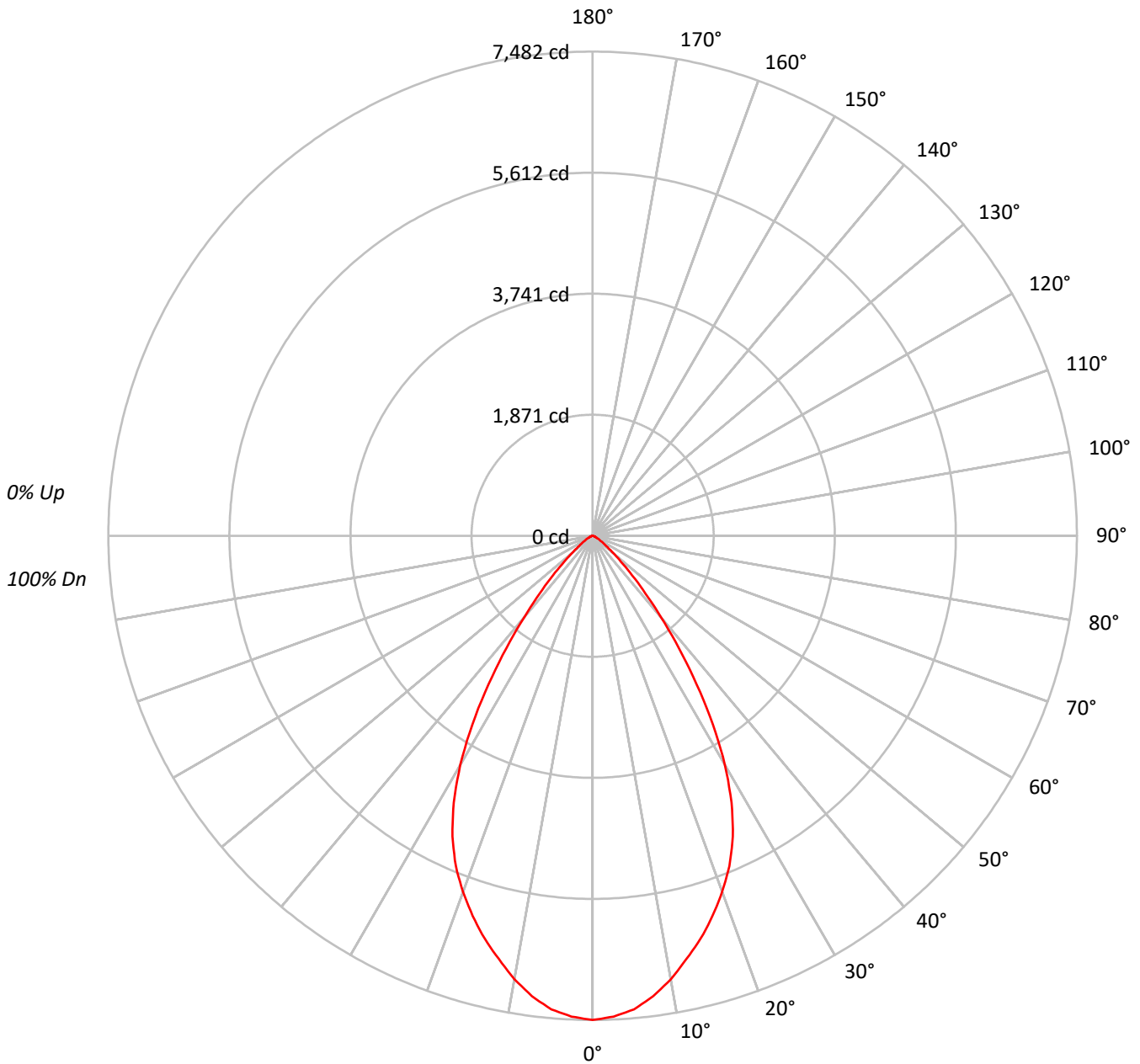
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7546.0 lumens
Efficiency: N/A
Efficacy: 77.7 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): 97.1
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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95		93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87		85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80		79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74		73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69		67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64		62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59		58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55		54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52		50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	721959
5°	711476
10°	681746
15°	643908
20°	601055
25°	545616
30°	455546
35°	330016
40°	206583
45°	118089
50°	61575
55°	34503
60°	21980
65°	13014
70°	9648
75°	4250
80°	6334
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.5	9.1
10°-20°	1806.2	23.9
20°-30°	2321.3	30.8
30°-40°	1746.5	23.1
40°-50°	701.5	9.3
50°-60°	199.4	2.6
60°-70°	63.2	0.8
70°-80°	18.0	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°	4816.0	63.8
0°-40°	6562.5	87.0
0°-60°	7463.3	98.9
0°-90°	7546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7546.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7482	
5°	7346	688
15°	6446	1806
25°	5125	2321
35°	2802	1746
45°	865	701
55°	205	199
65°	57	63
75°	11	18
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7482.3
2.5°	7436.8
5°	7345.6
7.5°	7174.7
10°	6958.2
12.5°	6696.7
15°	6446.0
17.5°	6161.2
20°	5853.6
22.5°	5523.7
25°	5124.9
27.5°	4646.4
30°	4088.7
32.5°	3462.0
35°	2801.7
37.5°	2186.5
40°	1640.1
42.5°	1207.2
45°	865.4
47.5°	592.5
50°	410.2
52.5°	284.8
55°	205.1
57.5°	148.1
60°	113.9
62.5°	79.8
65°	57.0
67.5°	45.6
70°	34.2
72.5°	22.8
75°	11.4
77.5°	11.4
80°	11.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)