

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 EX4C909050 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 EX4C909050 4LBSQH
Description: 4 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

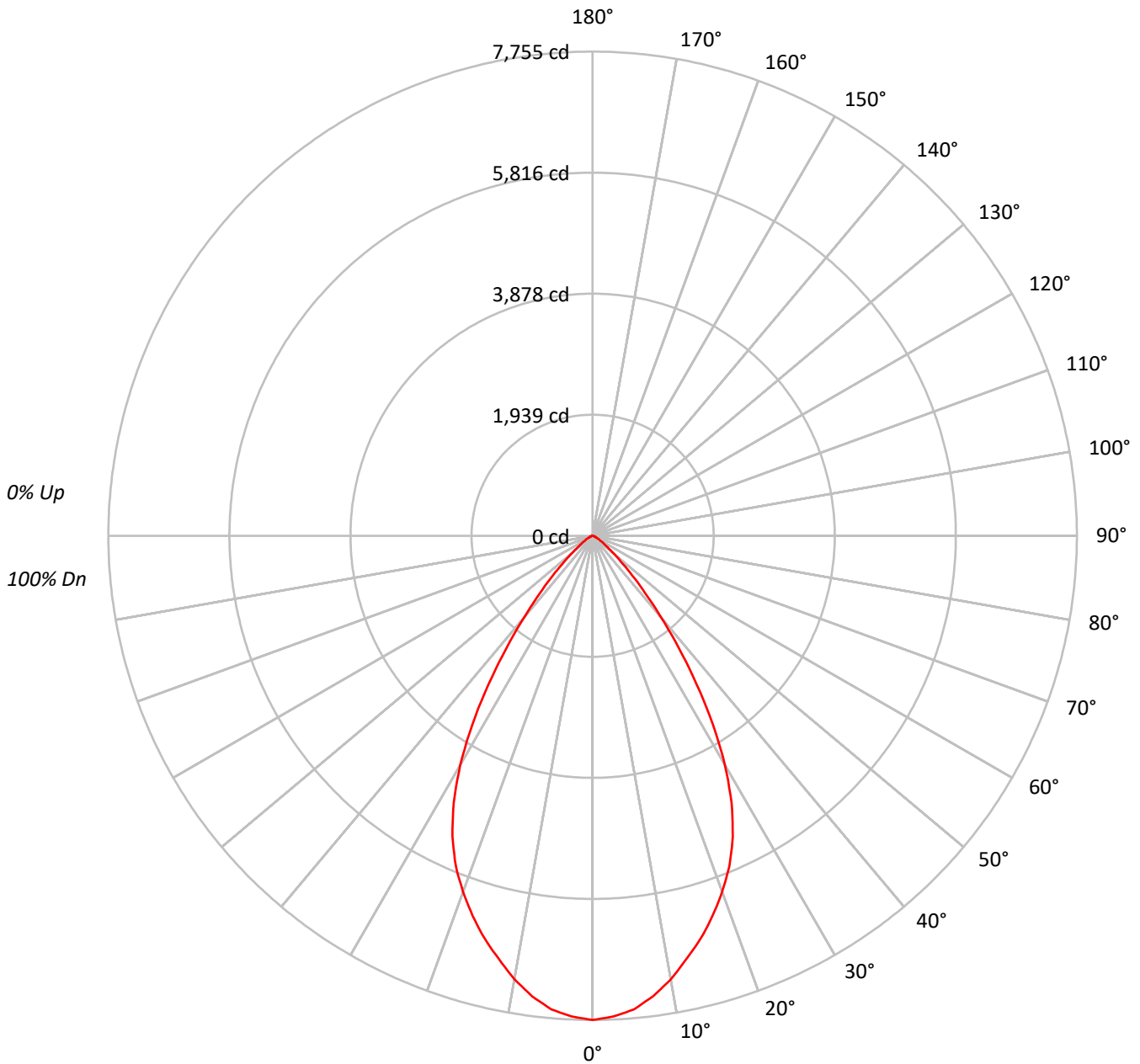
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7821.0 lumens
Efficiency: N/A
Efficacy: 80.5 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): 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	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
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79			79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73			73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67			67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62			62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58			58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54			54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50			50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	748271
5°	737405
10°	706593
15°	667383
20°	622957
25°	565503
30°	472147
35°	342042
40°	214115
45°	122387
50°	63812
55°	35764
60°	22791
65°	13470
70°	9987
75°	4399
80°	6557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.6	9.1
10°-20°	1872.1	23.9
20°-30°	2405.9	30.8
30°-40°	1810.1	23.1
40°-50°	727.0	9.3
50°-60°	206.7	2.6
60°-70°	65.4	0.8
70°-80°	18.6	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°	4991.5	63.8
0°-40°	6801.7	87.0
0°-60°	7735.3	98.9
0°-90°	7821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7821.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7755	
5°	7613	714
15°	6681	1872
25°	5312	2406
35°	2904	1810
45°	897	727
55°	213	207
65°	59	65
75°	12	19
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7755.0
2.5°	7707.8
5°	7613.3
7.5°	7436.2
10°	7211.8
12.5°	6940.8
15°	6681.0
17.5°	6385.7
20°	6066.9
22.5°	5725.0
25°	5311.7
27.5°	4815.7
30°	4237.7
32.5°	3588.2
35°	2903.8
37.5°	2266.2
40°	1699.9
42.5°	1251.2
45°	896.9
47.5°	614.0
50°	425.1
52.5°	295.2
55°	212.6
57.5°	153.5
60°	118.1
62.5°	82.7
65°	59.0
67.5°	47.2
70°	35.4
72.5°	23.6
75°	11.8
77.5°	11.8
80°	11.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)