

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: **LD4C05D010 EX4C059050 4LBSQH**

Issue Date: 2/9/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



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: LD4C05D010 EX4C059050 4LBSQH
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

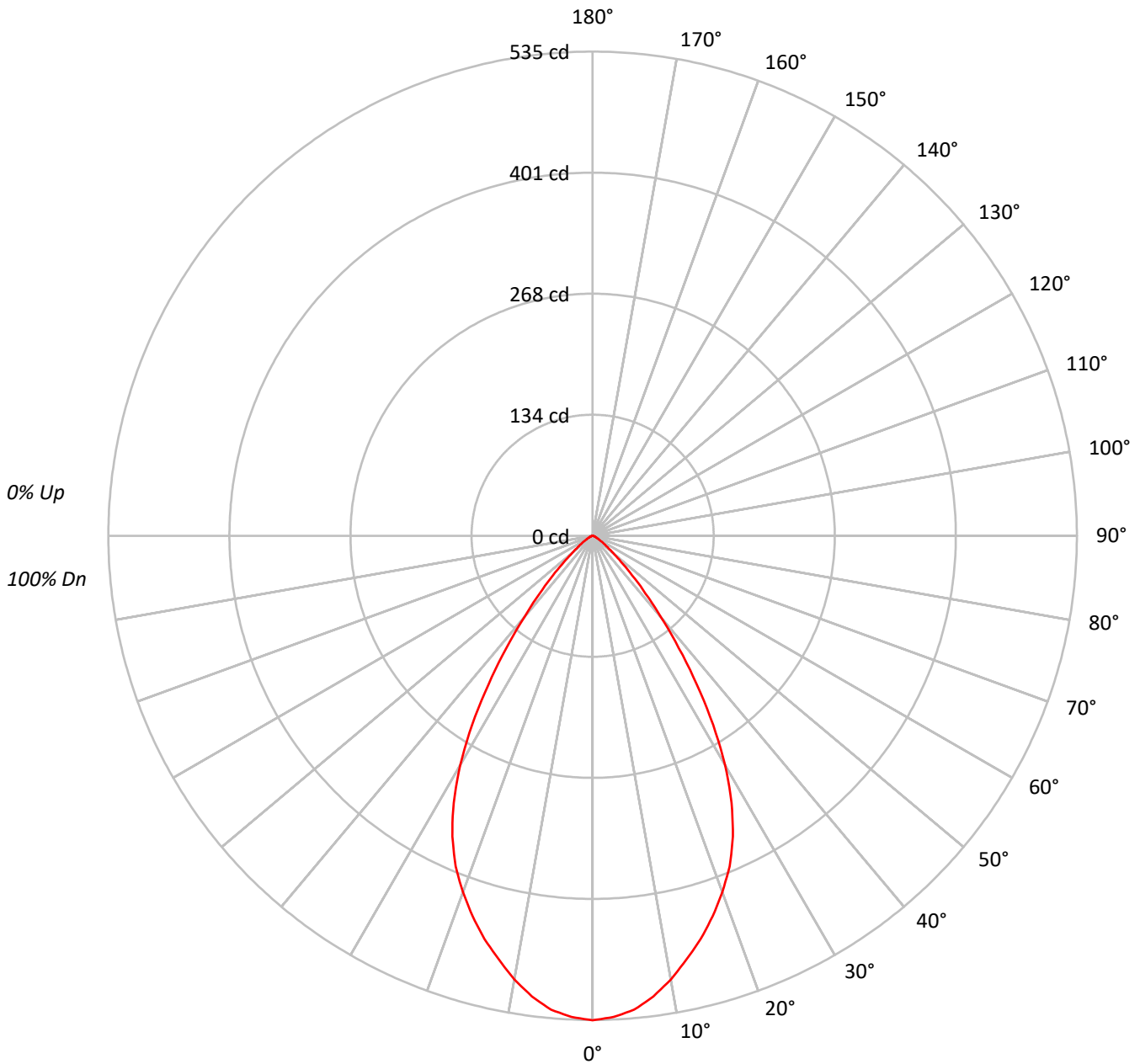
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 540.0 lumens
Efficiency: N/A
Efficacy: 75.0 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): 7.2
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		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°	51660
5°	50918
10°	48783
15°	46080
20°	43013
25°	39040
30°	32600
35°	23617
40°	14787
45°	8447
50°	4413
55°	2473
60°	1582
65°	936
70°	677
75°	298
80°	445
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	9.1
10°-20°	129.3	23.9
20°-30°	166.1	30.8
30°-40°	125.0	23.1
40°-50°	50.2	9.3
50°-60°	14.3	2.6
60°-70°	4.5	0.8
70°-80°	1.3	0.2
80°-90°	0.1	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°	344.6	63.8
0°-40°	469.6	87.0
0°-60°	534.1	98.9
0°-90°	540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	540.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	535	
5°	526	49
15°	461	129
25°	367	166
35°	200	125
45°	62	50
55°	15	14
65°	4	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	535.4
2.5°	532.2
5°	525.7
7.5°	513.4
10°	497.9
12.5°	479.2
15°	461.3
17.5°	440.9
20°	418.9
22.5°	395.3
25°	366.7
27.5°	332.5
30°	292.6
32.5°	247.7
35°	200.5
37.5°	156.5
40°	117.4
42.5°	86.4
45°	61.9
47.5°	42.4
50°	29.4
52.5°	20.4
55°	14.7
57.5°	10.6
60°	8.2
62.5°	5.7
65°	4.1
67.5°	3.3
70°	2.4
72.5°	1.6
75°	0.8
77.5°	0.8
80°	0.8
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)