

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: P858805

Luminaire Tested: **LD4C05D010 EU4059035 4LBHYH**

Issue Date: 10/18/2023



Test Information

Test Method: LM-79-08
Report Number: P858805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/18/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C05D010 EU4059035 4LBHYH
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LCHYP TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

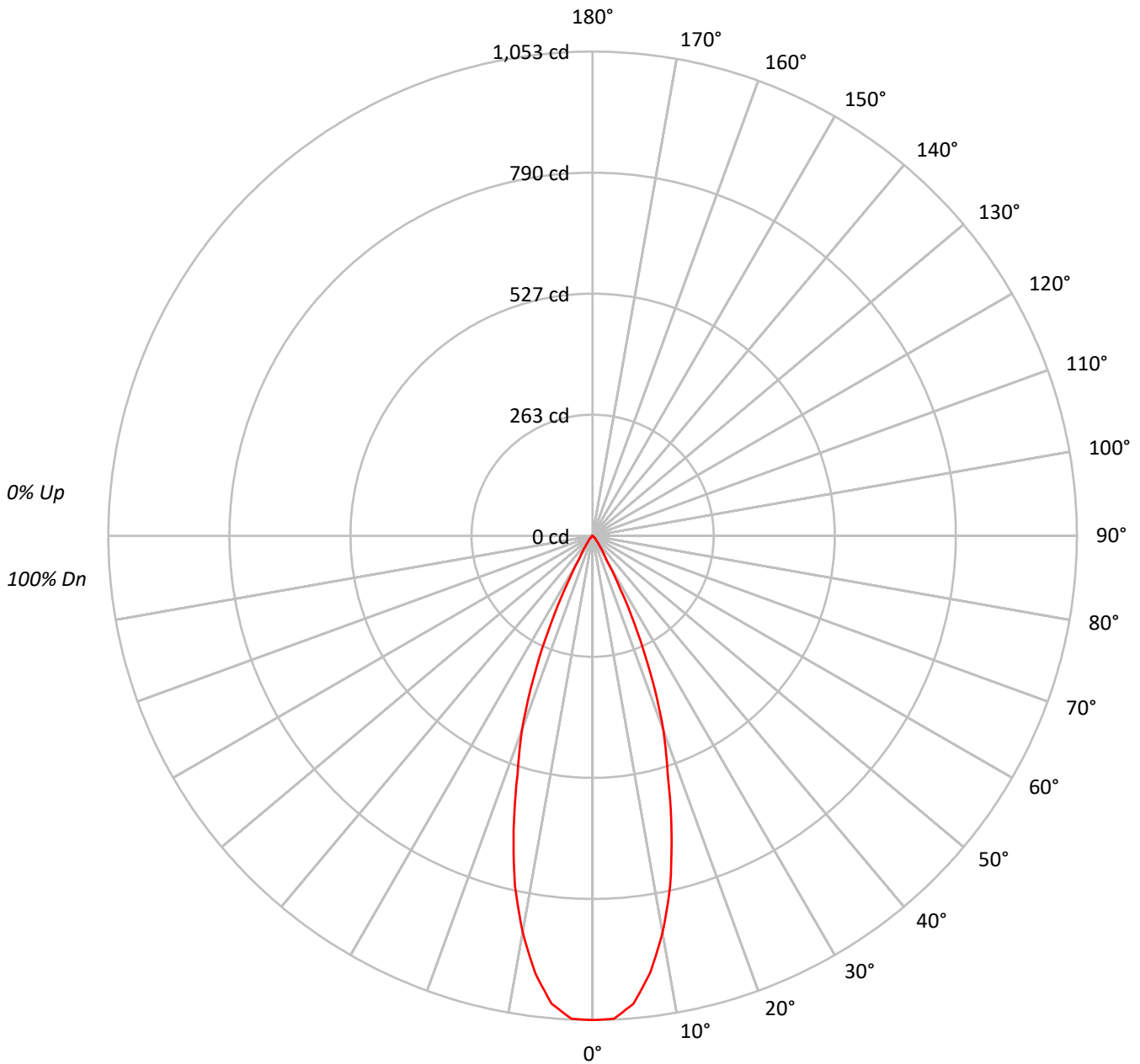
Lumens per Lamp: N/A
Luminaire Lumens: 402.3 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.59
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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									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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96									96										
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92									92										
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88									88										
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	87	86	84									84										
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81									81										
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78									78										
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	75									75										
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72									72										
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69									69										
10	83	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	68	67									67										

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129377
5°	125962
10°	109292
15°	84325
20°	58754
25°	30974
30°	8653
35°	3824
40°	1908
45°	990
50°	420
55°	64
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	23.0
10°-20°	181.3	45.1
20°-30°	104.8	26.0
30°-40°	18.4	4.6
40°-50°	4.7	1.2
50°-60°	0.5	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	378.7	94.1
0°-40°	397.0	98.7
0°-60°	402.3	100.0
0°-90°	402.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	402.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1053	
5°	1021	93
15°	663	181
25°	228	105
35°	26	18
45°	6	5
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1053.1
2.5°	1051.4
5°	1021.4
7.5°	958.6
10°	876.1
12.5°	779.4
15°	663.0
17.5°	543.2
20°	449.4
22.5°	337.5
25°	228.5
27.5°	130.7
30°	61.0
32.5°	41.7
35°	25.5
37.5°	17.1
40°	11.9
42.5°	8.2
45°	5.7
47.5°	3.8
50°	2.2
52.5°	1.0
55°	0.3
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)