

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: P858442

Luminaire Tested: **LD4C20W2N2050D010 4LBMH_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C20W2N2050D010 4LBMH_3500K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

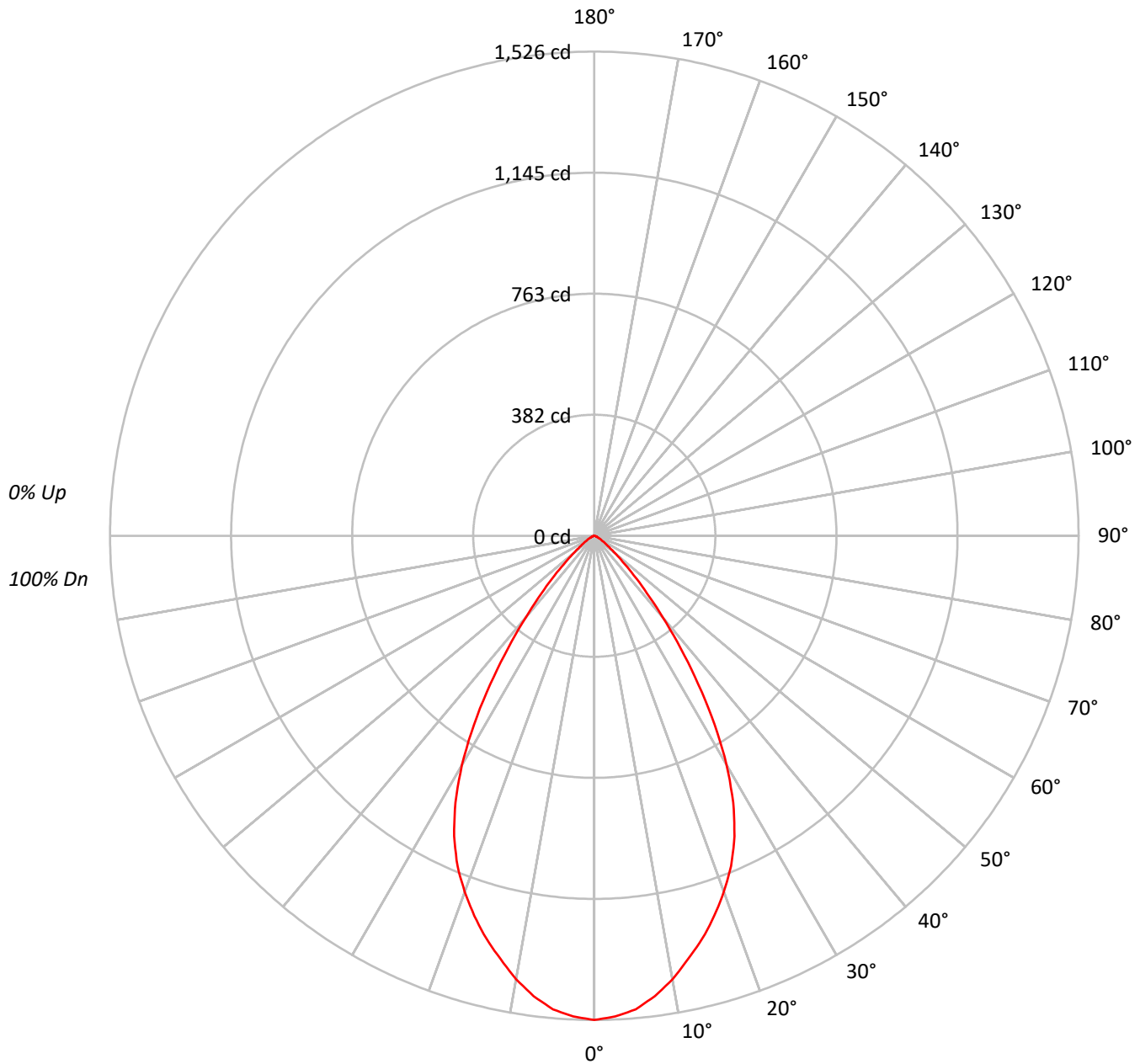
Lumens per Lamp: N/A
Luminaire Lumens: 1539.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 25.4
Input Voltage (V): NR
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187474
5°	184750
10°	177031
15°	167213
20°	156075
25°	141681
30°	118296
35°	85697
40°	53645
45°	30665
50°	15997
55°	8953
60°	5700
65°	3372
70°	2514
75°	1092
80°	1627
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.4	9.1
10°-20°	368.4	23.9
20°-30°	473.4	30.8
30°-40°	356.2	23.1
40°-50°	143.1	9.3
50°-60°	40.7	2.6
60°-70°	12.9	0.8
70°-80°	3.6	0.2
80°-90°	0.3	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°	982.2	63.8
0°-40°	1338.4	87.0
0°-60°	1522.1	98.9
0°-90°	1539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1539.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1526	
5°	1498	140
15°	1315	368
25°	1045	473
35°	571	356
45°	176	143
55°	42	41
65°	12	13
75°	2	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1526.0
2.5°	1516.7
5°	1498.1
7.5°	1463.3
10°	1419.1
12.5°	1365.8
15°	1314.7
17.5°	1256.6
20°	1193.8
22.5°	1126.6
25°	1045.2
27.5°	947.6
30°	833.9
32.5°	706.1
35°	571.4
37.5°	445.9
40°	334.5
42.5°	246.2
45°	176.5
47.5°	120.8
50°	83.7
52.5°	58.1
55°	41.8
57.5°	30.2
60°	23.2
62.5°	16.3
65°	11.6
67.5°	9.3
70°	7.0
72.5°	4.6
75°	2.3
77.5°	2.3
80°	2.3
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)