

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: P858608

Luminaire Tested: **LD4C30W2N2050D010 4LBMH_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858608
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: LD4C30W2N2050D010 4LBMH_2700K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

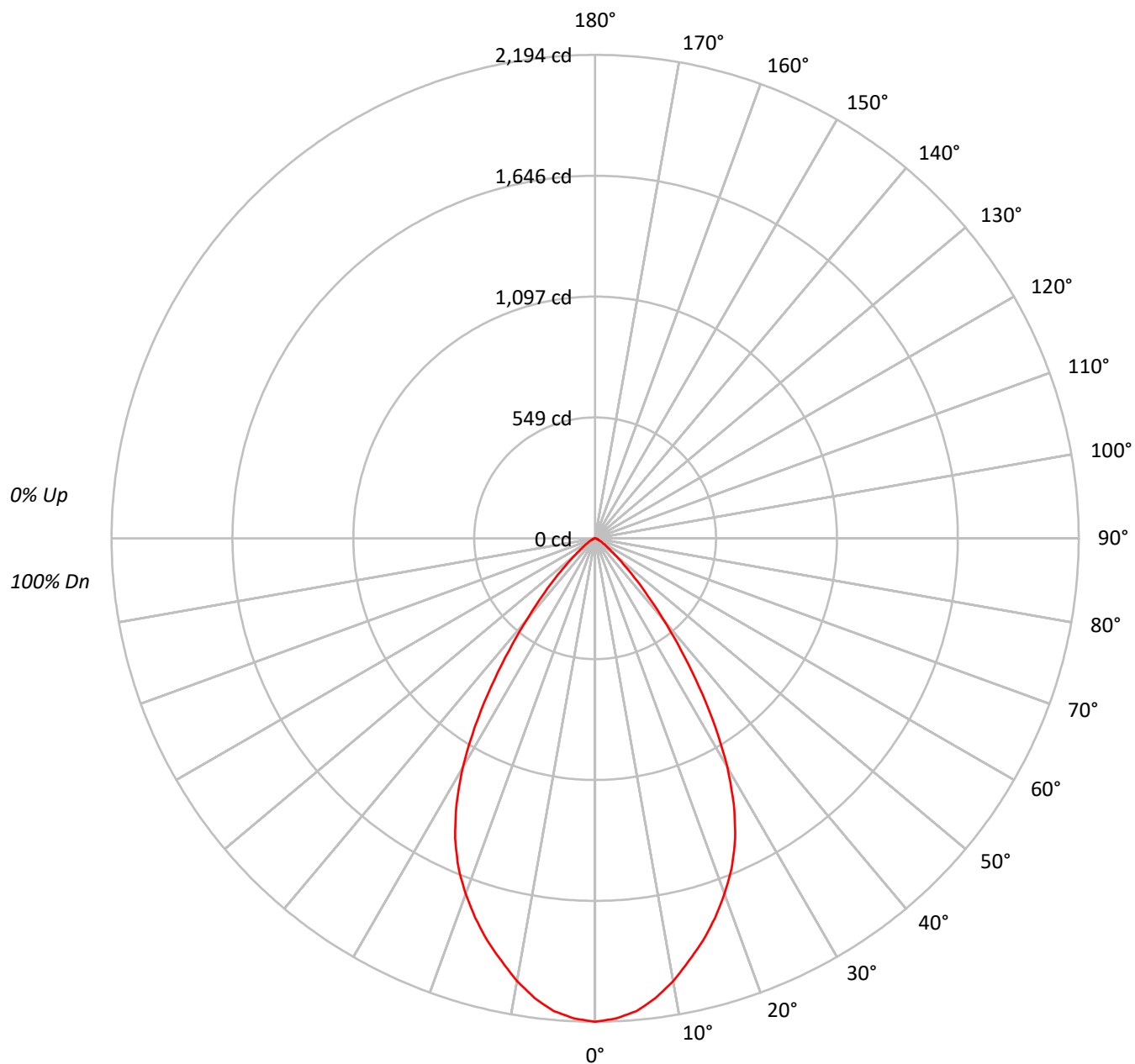
Lumens per Lamp: N/A
Luminaire Lumens: 2212.9 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.6
Input Voltage (V): NR
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
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°	269577
5°	265662
10°	254562
15°	240435
20°	224438
25°	203737
30°	170103
35°	123236
40°	77140
45°	44095
50°	22992
55°	12873
60°	8207
65°	4855
70°	3592
75°	1566
80°	2335
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.9	9.1
10°-20°	529.7	23.9
20°-30°	680.8	30.8
30°-40°	512.2	23.1
40°-50°	205.7	9.3
50°-60°	58.5	2.6
60°-70°	18.5	0.8
70°-80°	5.2	0.2
80°-90°	0.4	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°	1412.4	63.8
0°-40°	1924.6	87.0
0°-60°	2188.7	98.9
0°-90°	2212.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2212.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2194	
5°	2154	202
15°	1890	530
25°	1503	681
35°	822	512
45°	254	206
55°	60	58
65°	17	19
75°	3	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2194.3
2.5°	2181.0
5°	2154.2
7.5°	2104.1
10°	2040.6
12.5°	1963.9
15°	1890.4
17.5°	1806.9
20°	1716.7
22.5°	1619.9
25°	1503.0
27.5°	1362.6
30°	1199.1
32.5°	1015.3
35°	821.7
37.5°	641.2
40°	481.0
42.5°	354.0
45°	253.8
47.5°	173.7
50°	120.3
52.5°	83.5
55°	60.1
57.5°	43.4
60°	33.4
62.5°	23.4
65°	16.7
67.5°	13.4
70°	10.0
72.5°	6.7
75°	3.3
77.5°	3.3
80°	3.3
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)