

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: P858535

Luminaire Tested: **LD4C25W2N2050D010 4LBNH_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25W2N2050D010 4LBNH_2000K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

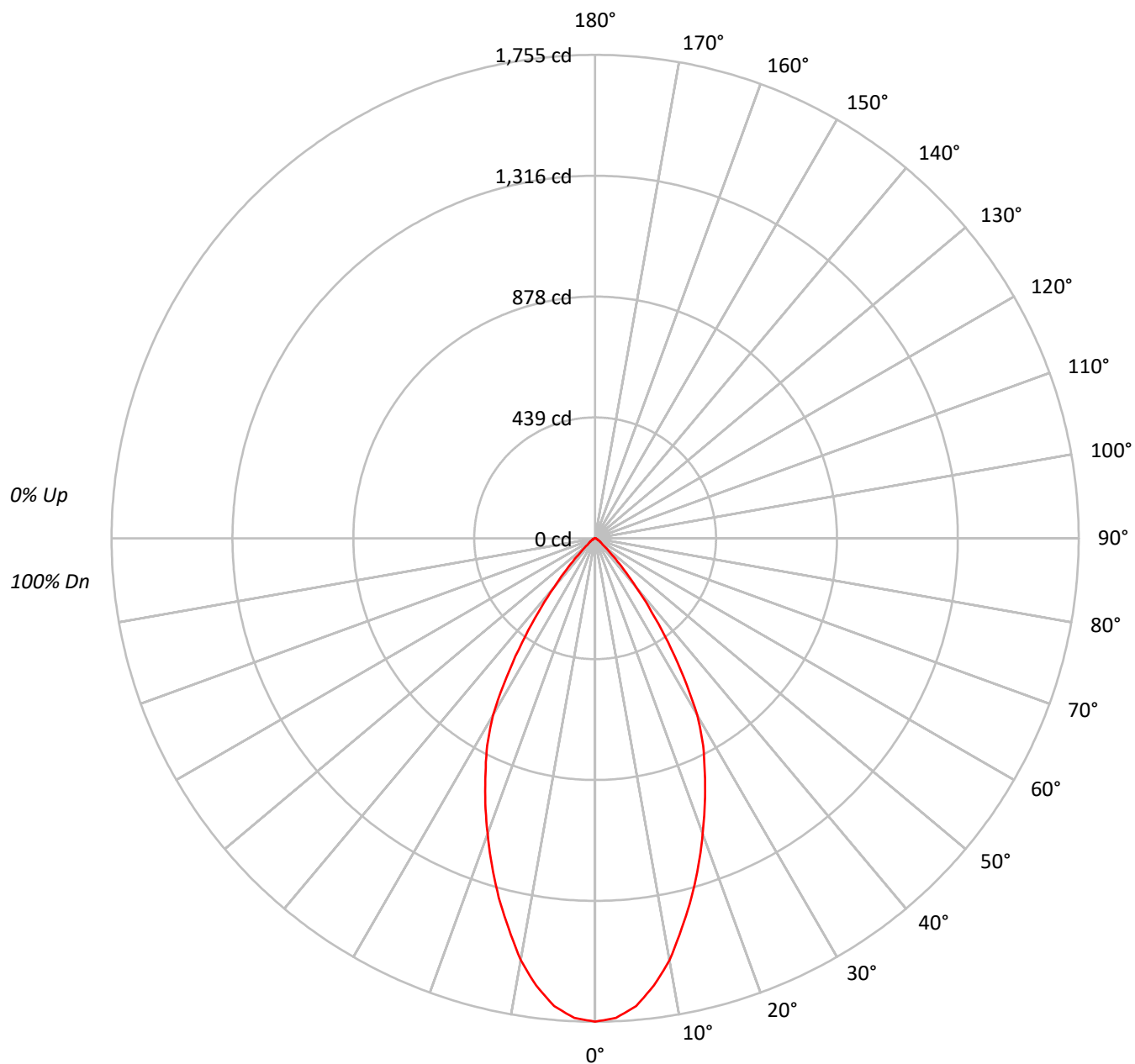
Lumens per Lamp: N/A
Luminaire Lumens: 1369.0 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106	111	109	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	96	106	101	98	94		98	95	92		95	93	90		92	90	89
3	102	96	91	87	100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80	95	89	83	79		86	82	78		84	81	78		83	79	77
5	92	84	78	74	91	83	78	73		81	76	73		80	75	72		78	74	72
6	88	79	73	69	86	78	72	68		77	72	68		75	71	67		74	70	67
7	83	74	68	64	82	73	68	64		72	67	63		71	66	63		70	66	63
8	79	70	64	60	78	69	64	60		68	63	59		67	63	59		66	62	59
9	76	66	60	56	75	66	60	56		65	59	56		64	59	56		63	59	55
10	72	62	57	53	71	62	57	53		61	56	53		60	56	52		60	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	215596
5°	210265
10°	194009
15°	171766
20°	149146
25°	127570
30°	105174
35°	69259
40°	37239
45°	16488
50°	6689
55°	4819
60°	3071
65°	2180
70°	1796
75°	1187
80°	1769
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	11.5
10°-20°	376.3	27.5
20°-30°	431.1	31.5
30°-40°	289.7	21.2
40°-50°	82.8	6.0
50°-60°	20.3	1.5
60°-70°	7.7	0.6
70°-80°	3.0	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°	965.3	70.5
0°-40°	1255.0	91.7
0°-60°	1358.0	99.2
0°-90°	1369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1369.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1755	
5°	1705	158
15°	1350	376
25°	941	431
35°	462	290
45°	95	83
55°	22	20
65°	8	8
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1754.9
2.5°	1742.5
5°	1705.0
7.5°	1637.5
10°	1555.2
12.5°	1450.3
15°	1350.5
17.5°	1245.7
20°	1140.8
22.5°	1041.0
25°	941.1
27.5°	848.7
30°	741.4
32.5°	599.1
35°	461.8
37.5°	337.0
40°	232.2
42.5°	152.3
45°	94.9
47.5°	57.4
50°	35.0
52.5°	27.4
55°	22.5
57.5°	17.5
60°	12.5
62.5°	10.0
65°	7.5
67.5°	5.0
70°	5.0
72.5°	2.5
75°	2.5
77.5°	2.5
80°	2.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)