

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: P858691

Luminaire Tested: **LD4C35W2N2050D010 4LBMH_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858691
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: LD4C35W2N2050D010 4LBMH_2000K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

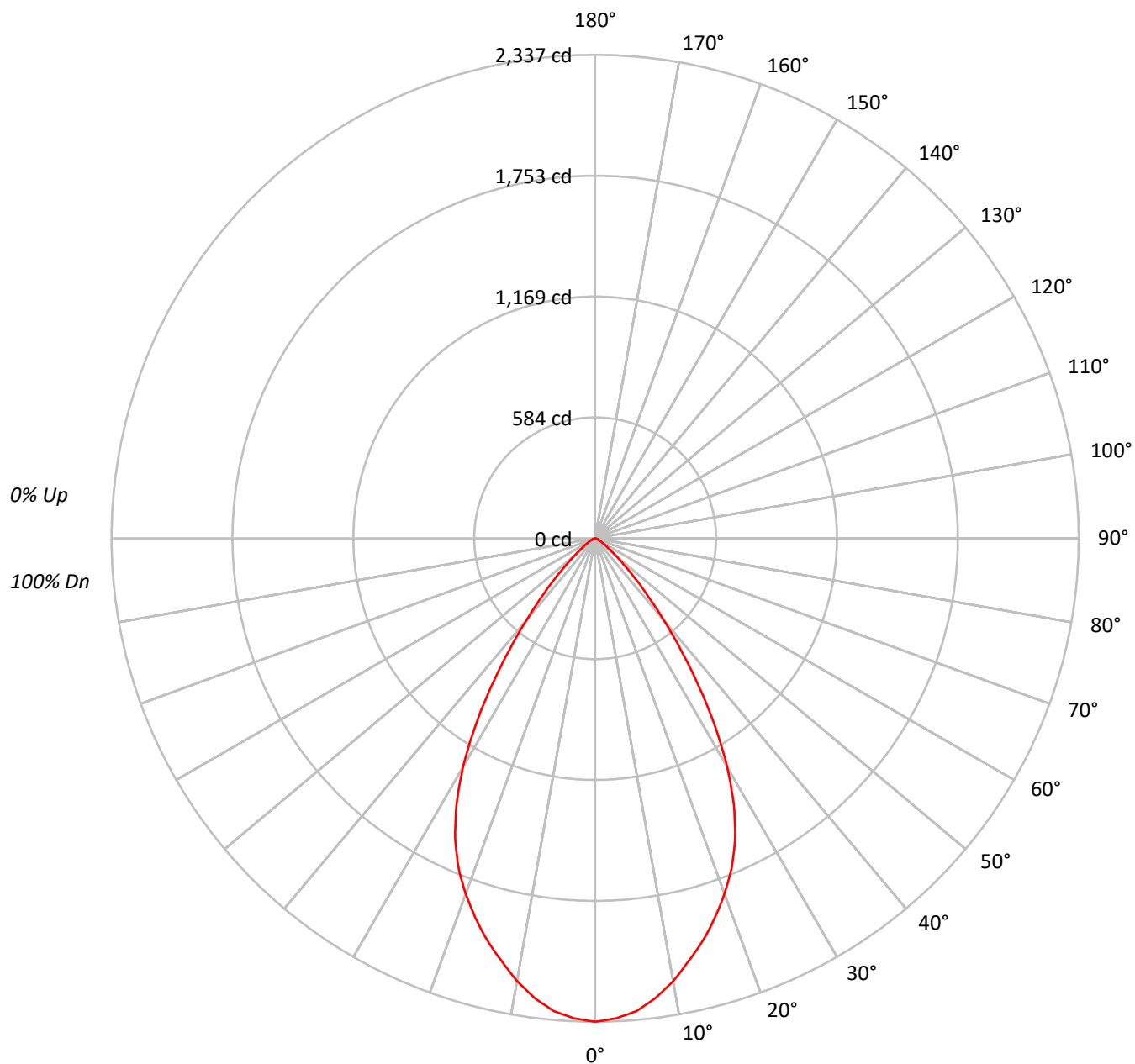
Lumens per Lamp: N/A
Luminaire Lumens: 2357.1 lumens
Efficiency: N/A
Efficacy: 44.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 52.8
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

TEST NUMBER: P858691

CATALOG NUMBER: LD4C35W2N2050D010 4LBMH_2000K

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°	287121
5°	282952
10°	271129
15°	256079
20°	239041
25°	216995
30°	181168
35°	131244
40°	82160
45°	46962
50°	24483
55°	13729
60°	8747
65°	5174
70°	3843
75°	1709
80°	2547
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	9.1
10°-20°	564.2	23.9
20°-30°	725.1	30.8
30°-40°	545.5	23.1
40°-50°	219.1	9.3
50°-60°	62.3	2.6
60°-70°	19.7	0.8
70°-80°	5.6	0.2
80°-90°	0.5	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°	1504.3	63.8
0°-40°	2049.8	87.0
0°-60°	2331.2	98.9
0°-90°	2357.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2357.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2337	
5°	2294	215
15°	2013	564
25°	1601	725
35°	875	546
45°	270	219
55°	64	62
65°	18	20
75°	4	6
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2337.1
2.5°	2322.9
5°	2294.4
7.5°	2241.0
10°	2173.4
12.5°	2091.7
15°	2013.4
17.5°	1924.5
20°	1828.4
22.5°	1725.3
25°	1600.8
27.5°	1451.3
30°	1277.1
32.5°	1081.4
35°	875.1
37.5°	683.0
40°	512.3
42.5°	377.1
45°	270.3
47.5°	185.1
50°	128.1
52.5°	89.0
55°	64.1
57.5°	46.3
60°	35.6
62.5°	24.9
65°	17.8
67.5°	14.2
70°	10.7
72.5°	7.1
75°	3.6
77.5°	3.6
80°	3.6
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)