

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: P858748

Luminaire Tested: **LD4C35W2N2765D010 4LBNH_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858748
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: LD4C35W2N2765D010 4LBNH_4000K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2765 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

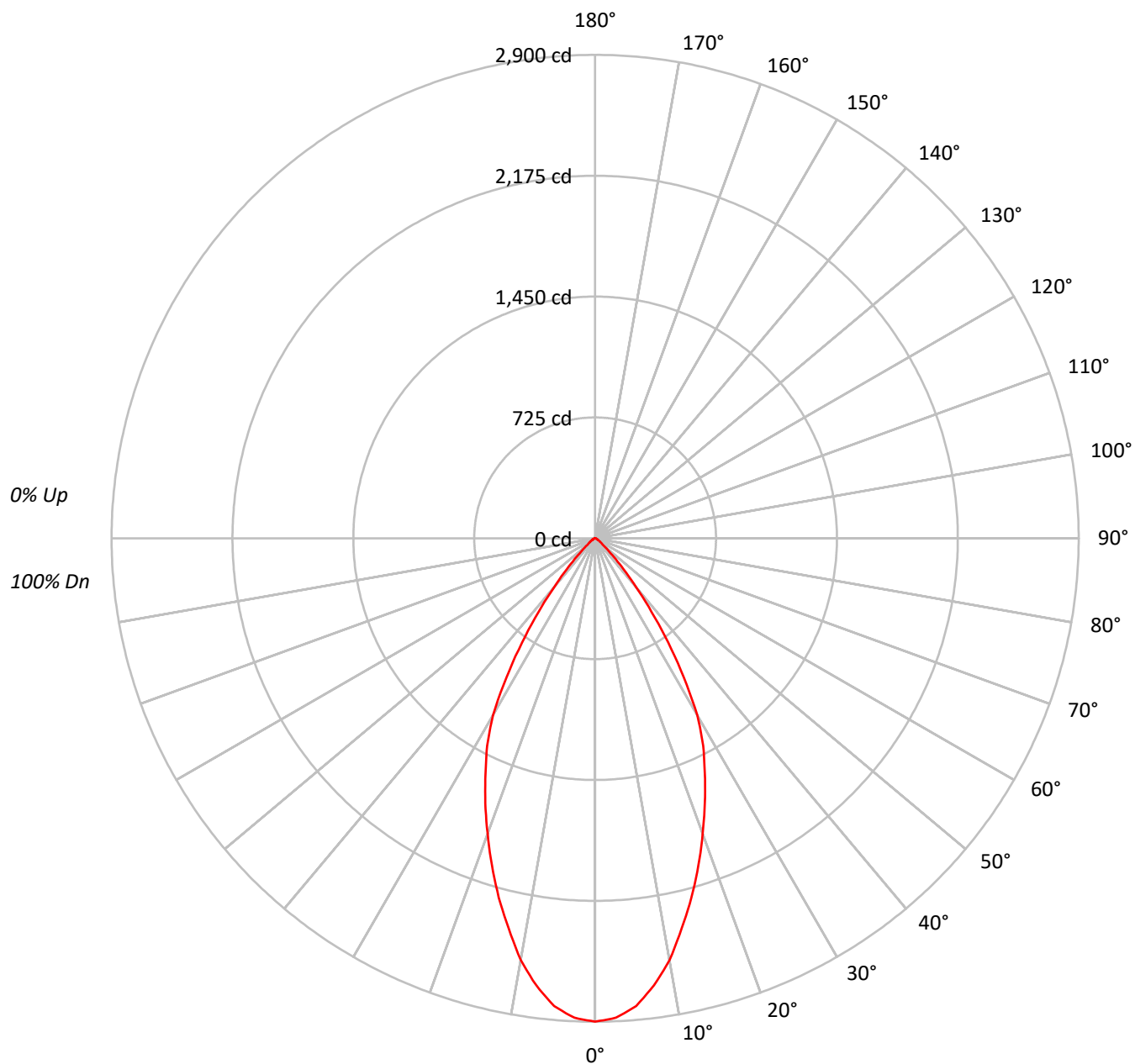
Lumens per Lamp: N/A
Luminaire Lumens: 2261.9 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	356238
5°	347413
10°	320567
15°	283818
20°	246428
25°	210773
30°	173777
35°	114432
40°	61519
45°	27243
50°	11047
55°	7968
60°	5062
65°	3605
70°	2981
75°	1946
80°	2901
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	11.5
10°-20°	621.8	27.5
20°-30°	712.4	31.5
30°-40°	478.6	21.2
40°-50°	136.8	6.0
50°-60°	33.5	1.5
60°-70°	12.7	0.6
70°-80°	4.9	0.2
80°-90°	0.6	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°	1594.9	70.5
0°-40°	2073.6	91.7
0°-60°	2243.8	99.2
0°-90°	2261.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2261.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2900	
5°	2817	261
15°	2232	622
25°	1555	712
35°	763	479
45°	157	137
55°	37	33
65°	12	13
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2899.7
2.5°	2879.1
5°	2817.1
7.5°	2705.7
10°	2569.7
12.5°	2396.4
15°	2231.5
17.5°	2058.3
20°	1884.9
22.5°	1720.0
25°	1554.9
27.5°	1402.3
30°	1225.0
32.5°	989.9
35°	763.0
37.5°	556.8
40°	383.6
42.5°	251.6
45°	156.8
47.5°	94.8
50°	57.8
52.5°	45.3
55°	37.2
57.5°	28.9
60°	20.6
62.5°	16.4
65°	12.4
67.5°	8.3
70°	8.3
72.5°	4.1
75°	4.1
77.5°	4.1
80°	4.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)