

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: P858768

Luminaire Tested: **LD4C35W2N2765D010 4LBWH_6500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C35W2N2765D010 4LBWH_6500K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 6500K, W2N2765 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

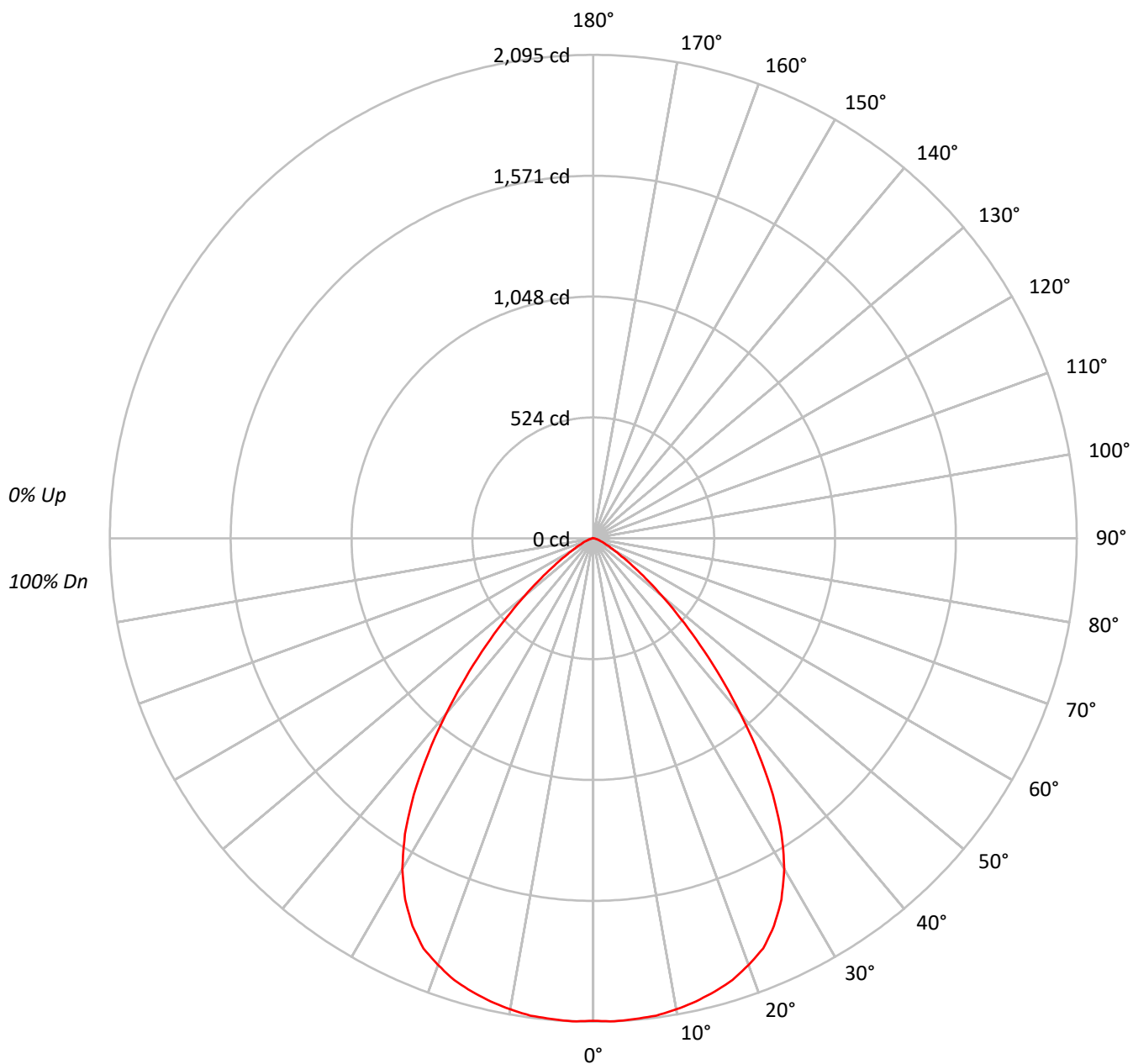
Lumens per Lamp: N/A
Luminaire Lumens: 3243.9 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104	110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	100	95	91	103	98	93	90		95	91	88		91	88	86		89	86	84
3	99	91	85	80	97	90	84	80		87	82	78		84	80	77		82	79	76
4	92	83	77	72	90	82	76	71		80	75	70		78	73	70		76	72	69
5	87	77	70	65	85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	58	80	70	63	58		68	62	58		67	61	57		65	61	57
7	76	65	58	53	75	65	58	53		63	57	53		62	56	52		61	56	52
8	72	60	53	49	70	60	53	49		59	53	48		58	52	48		57	52	48
9	68	56	49	45	66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	52	46	41	63	52	46	41		51	45	41		50	45	41		49	44	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	256887
5°	257868
10°	258641
15°	258661
20°	257240
25°	251208
30°	234791
35°	203323
40°	158834
45°	113957
50°	74023
55°	44316
60°	25922
65°	16657
70°	11063
75°	8354
80°	6226
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.1	6.1
10°-20°	573.8	17.7
20°-30°	846.6	26.1
30°-40°	835.5	25.8
40°-50°	511.3	15.8
50°-60°	196.0	6.0
60°-70°	61.3	1.9
70°-80°	17.9	0.6
80°-90°	2.4	0.1
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°	1619.5	49.9
0°-40°	2455.0	75.7
0°-60°	3162.3	97.5
0°-90°	3243.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3243.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2091	
5°	2091	199
15°	2034	574
25°	1853	847
35°	1356	836
45°	656	511
55°	207	196
65°	57	61
75°	18	18
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2091.0
2.5°	2095.4
5°	2091.0
7.5°	2086.5
10°	2073.3
12.5°	2055.7
15°	2033.7
17.5°	2007.2
20°	1967.6
22.5°	1923.7
25°	1853.2
27.5°	1765.1
30°	1655.1
32.5°	1518.7
35°	1355.7
37.5°	1175.3
40°	990.4
42.5°	818.8
45°	655.9
47.5°	510.5
50°	387.3
52.5°	286.2
55°	206.9
57.5°	145.2
60°	105.5
62.5°	79.3
65°	57.3
67.5°	44.1
70°	30.8
72.5°	22.0
75°	17.6
77.5°	8.8
80°	8.8
82.5°	4.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)