

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: P858733

Luminaire Tested: **LD4C35W2N2765D010 4LBMH_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858733
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: LD4C35W2N2765D010 4LBMH_2700K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2765 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

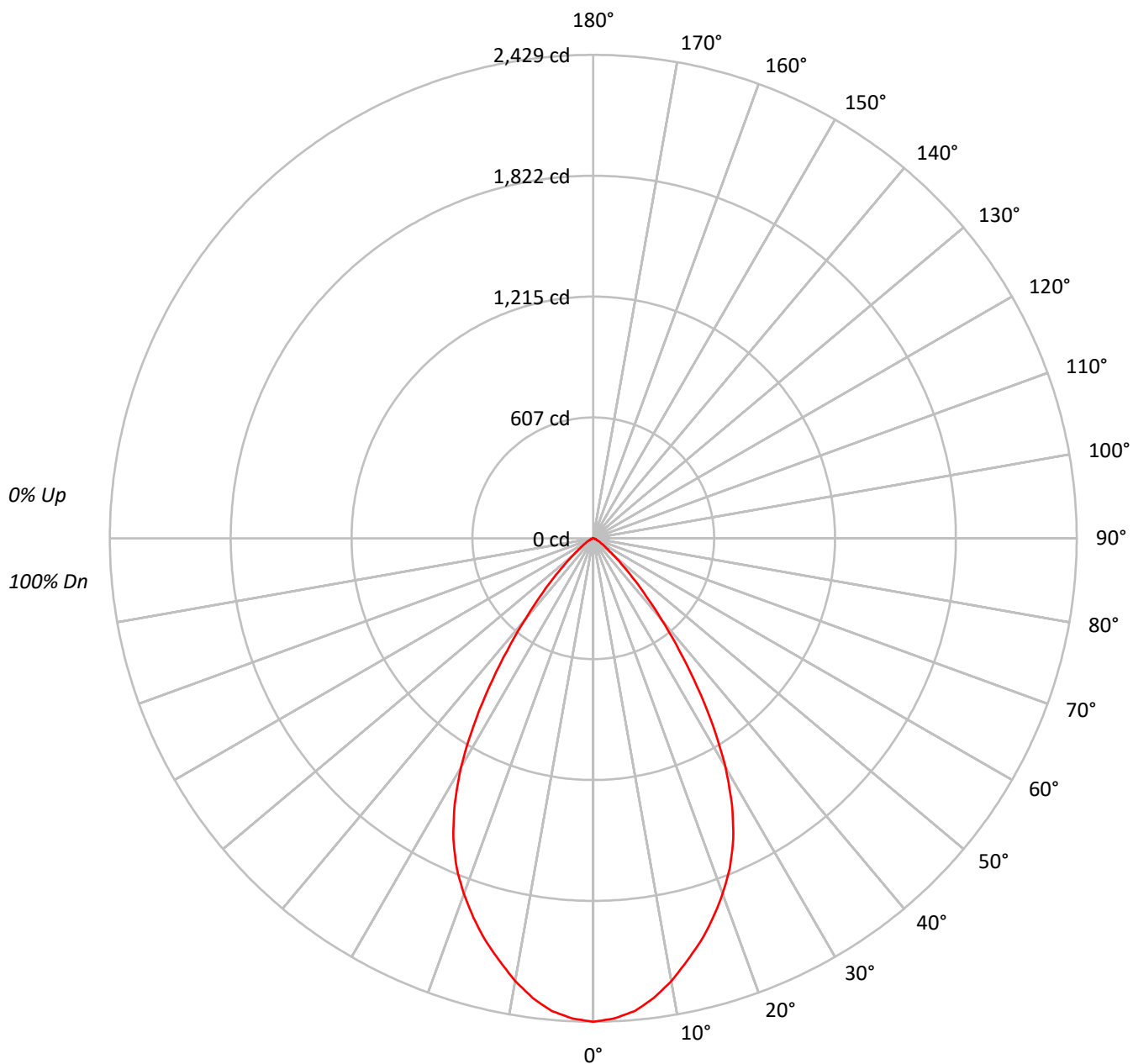
Lumens per Lamp: N/A
Luminaire Lumens: 2450.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858733

CATALOG NUMBER: LD4C35W2N2765D010 4LBMH_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P858733

CATALOG NUMBER: LD4C35W2N2765D010 4LBMH_2700K

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°	298448
5°	294112
10°	281832
15°	266190
20°	248467
25°	225548
30°	188318
35°	136434
40°	85399
45°	48821
50°	25458
55°	14265
60°	9091
65°	5378
70°	3987
75°	1756
80°	2618
85°	0



TEST NUMBER: P858733

CATALOG NUMBER: LD4C35W2N2765D010 4LBMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.5	9.1
10°-20°	586.4	23.9
20°-30°	753.7	30.8
30°-40°	567.0	23.1
40°-50°	227.7	9.3
50°-60°	64.8	2.6
60°-70°	20.5	0.8
70°-80°	5.8	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°	1563.6	63.8
0°-40°	2130.7	87.0
0°-60°	2423.2	98.9
0°-90°	2450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2450.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2429	
5°	2385	224
15°	2093	586
25°	1664	754
35°	910	567
45°	281	228
55°	67	65
65°	18	21
75°	4	6
85°	0	1
90°	0	



TEST NUMBER: P858733

CATALOG NUMBER: LD4C35W2N2765D010 4LBMH_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	2429.3
2.5°	2414.5
5°	2384.9
7.5°	2329.5
10°	2259.2
12.5°	2174.3
15°	2092.9
17.5°	2000.4
20°	1900.5
22.5°	1793.4
25°	1663.9
27.5°	1508.6
30°	1327.5
32.5°	1124.0
35°	909.7
37.5°	709.9
40°	532.5
42.5°	391.9
45°	281.0
47.5°	192.4
50°	133.2
52.5°	92.5
55°	66.6
57.5°	48.1
60°	37.0
62.5°	25.9
65°	18.5
67.5°	14.8
70°	11.1
72.5°	7.4
75°	3.7
77.5°	3.7
80°	3.7
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)