

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: P858680

Luminaire Tested: **LD4C30W2N2765D010 4LBWH_3000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858680
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: LD4C30W2N2765D010 4LBWH_3000K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2765 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

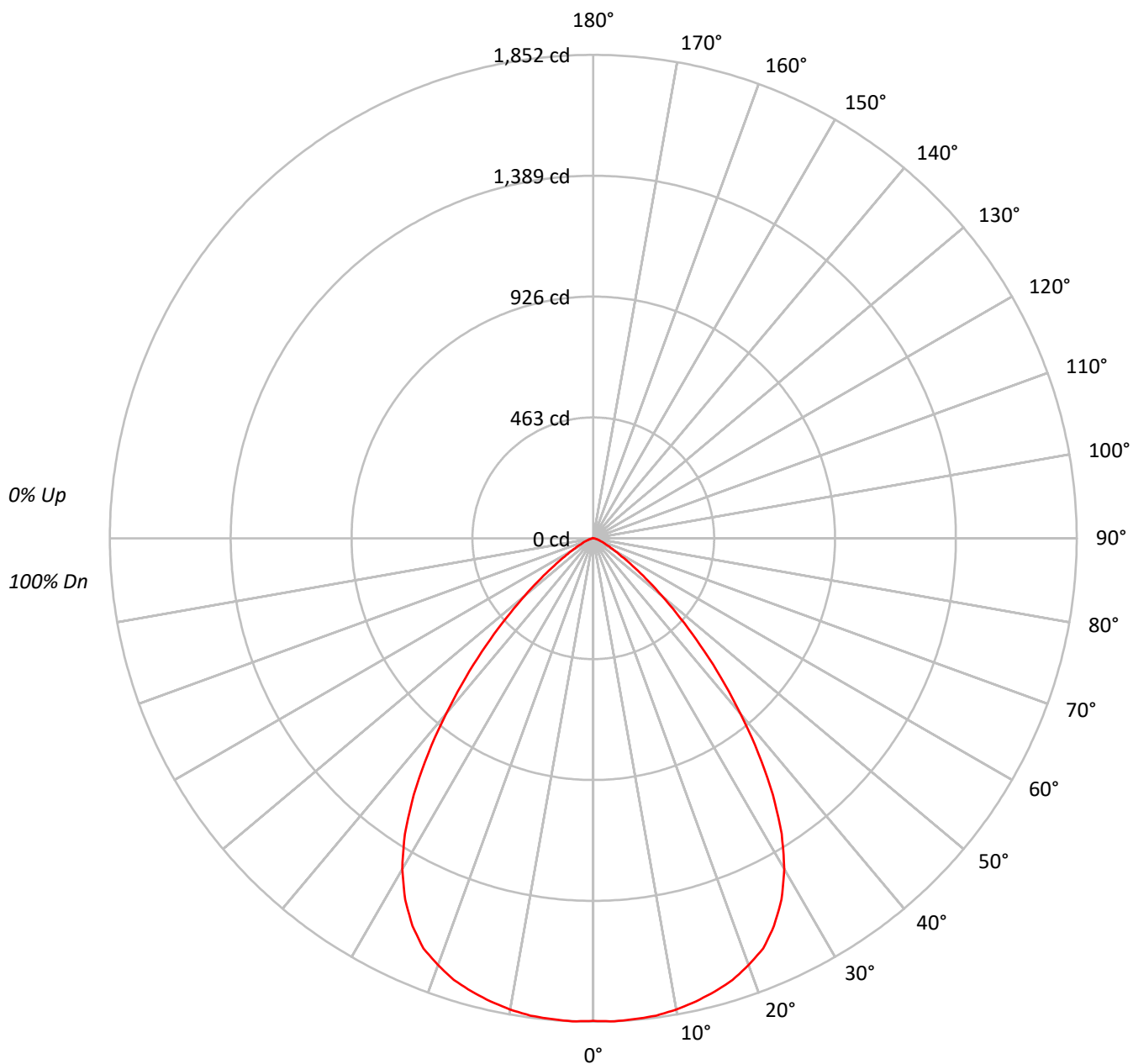
Lumens per Lamp: N/A
Luminaire Lumens: 2868.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.6
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: P858680

CATALOG NUMBER: LD4C30W2N2765D010 4LBWH_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P858680

CATALOG NUMBER: LD4C30W2N2765D010 4LBWH_3000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	227107
5°	227974
10°	228664
15°	228683
20°	227419
25°	222091
30°	207582
35°	179762
40°	140423
45°	100752
50°	65461
55°	39175
60°	22924
65°	14709
70°	9806
75°	7405
80°	5518
85°	0



TEST NUMBER: P858680

CATALOG NUMBER: LD4C30W2N2765D010 4LBWH_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.0	6.1
10°-20°	507.3	17.7
20°-30°	748.5	26.1
30°-40°	738.7	25.8
40°-50°	452.0	15.8
50°-60°	173.3	6.0
60°-70°	54.2	1.9
70°-80°	15.9	0.6
80°-90°	2.1	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°	1431.8	49.9
0°-40°	2170.5	75.7
0°-60°	2795.8	97.5
0°-90°	2868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2868.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1849	
5°	1849	176
15°	1798	507
25°	1638	749
35°	1199	739
45°	580	452
55°	183	173
65°	51	54
75°	16	16
85°	0	2
90°	0	



TEST NUMBER: P858680

CATALOG NUMBER: LD4C30W2N2765D010 4LBWH_3000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1848.6
2.5°	1852.5
5°	1848.6
7.5°	1844.7
10°	1833.0
12.5°	1817.4
15°	1798.0
17.5°	1774.6
20°	1739.5
22.5°	1700.7
25°	1638.4
27.5°	1560.5
30°	1463.3
32.5°	1342.7
35°	1198.6
37.5°	1039.0
40°	875.6
42.5°	723.9
45°	579.9
47.5°	451.3
50°	342.5
52.5°	253.0
55°	182.9
57.5°	128.4
60°	93.3
62.5°	70.1
65°	50.6
67.5°	39.0
70°	27.3
72.5°	19.5
75°	15.6
77.5°	7.8
80°	7.8
82.5°	3.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)