

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: P858684

Luminaire Tested: **LD4C30W2N2765D010 4LBWH_6500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858684
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_6500K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 6500K, W2N2765 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

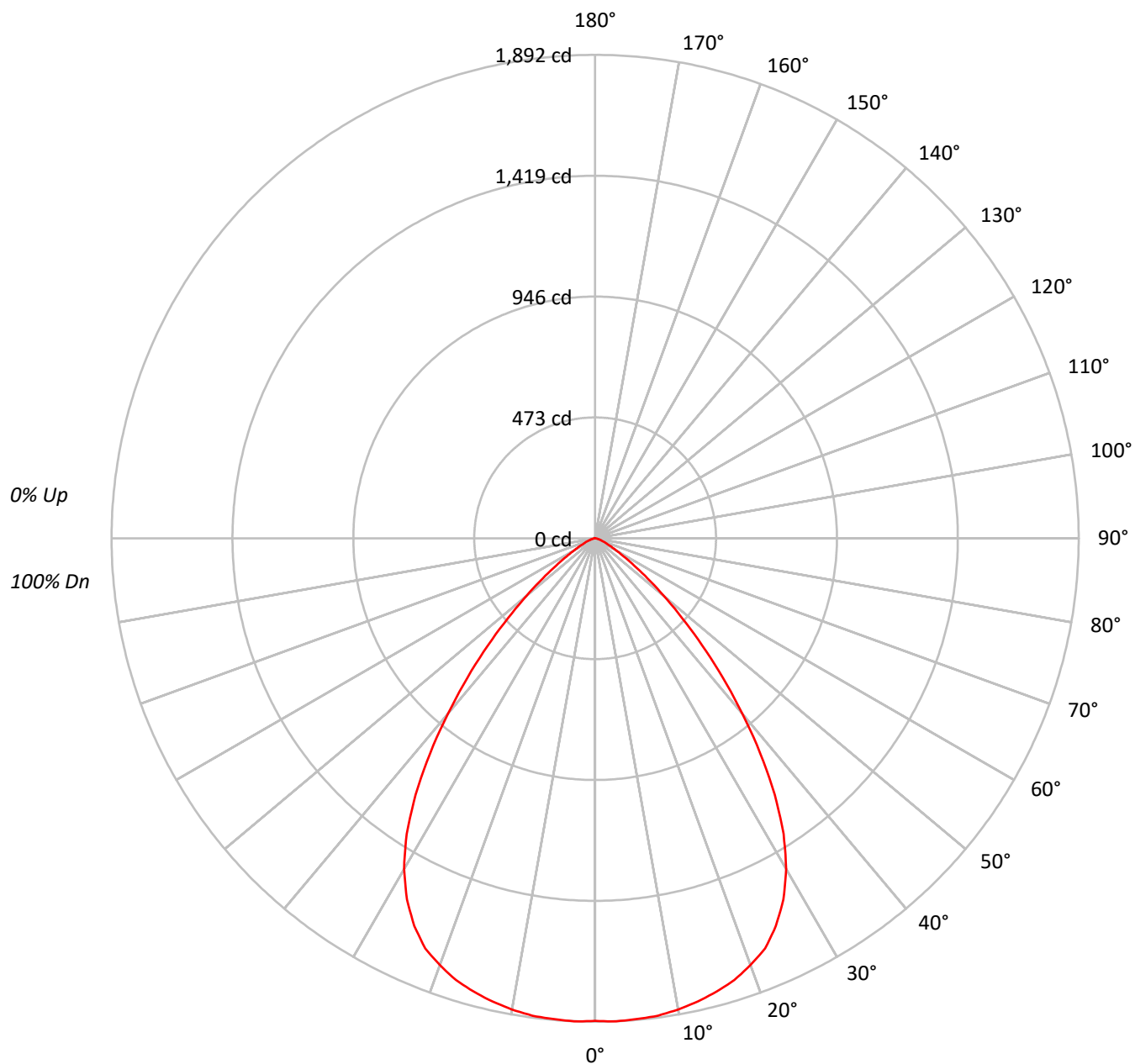
Lumens per Lamp: N/A
Luminaire Lumens: 2930.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	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°	232021
5°	232907
10°	233604
15°	233618
20°	232334
25°	226890
30°	212065
35°	183646
40°	143454
45°	102924
50°	66875
55°	40032
60°	23416
65°	15029
70°	10022
75°	7547
80°	5660
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	6.1
10°-20°	518.2	17.7
20°-30°	764.7	26.1
30°-40°	754.6	25.8
40°-50°	461.8	15.8
50°-60°	177.1	6.0
60°-70°	55.3	1.9
70°-80°	16.2	0.6
80°-90°	2.2	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°	1462.7	49.9
0°-40°	2217.4	75.7
0°-60°	2856.2	97.5
0°-90°	2930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2930.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1889	
5°	1889	180
15°	1837	518
25°	1674	765
35°	1224	755
45°	592	462
55°	187	177
65°	52	55
75°	16	16
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1888.6
2.5°	1892.5
5°	1888.6
7.5°	1884.6
10°	1872.6
12.5°	1856.7
15°	1836.8
17.5°	1812.9
20°	1777.1
22.5°	1737.5
25°	1673.8
27.5°	1594.2
30°	1494.9
32.5°	1371.7
35°	1224.5
37.5°	1061.5
40°	894.5
42.5°	739.5
45°	592.4
47.5°	461.1
50°	349.9
52.5°	258.5
55°	186.9
57.5°	131.2
60°	95.3
62.5°	71.6
65°	51.7
67.5°	39.8
70°	27.9
72.5°	19.9
75°	15.9
77.5°	8.0
80°	8.0
82.5°	4.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)