

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: P858682

Luminaire Tested: **LD4C30W2N2765D010 4LBWH_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858682
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_4000K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2765 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

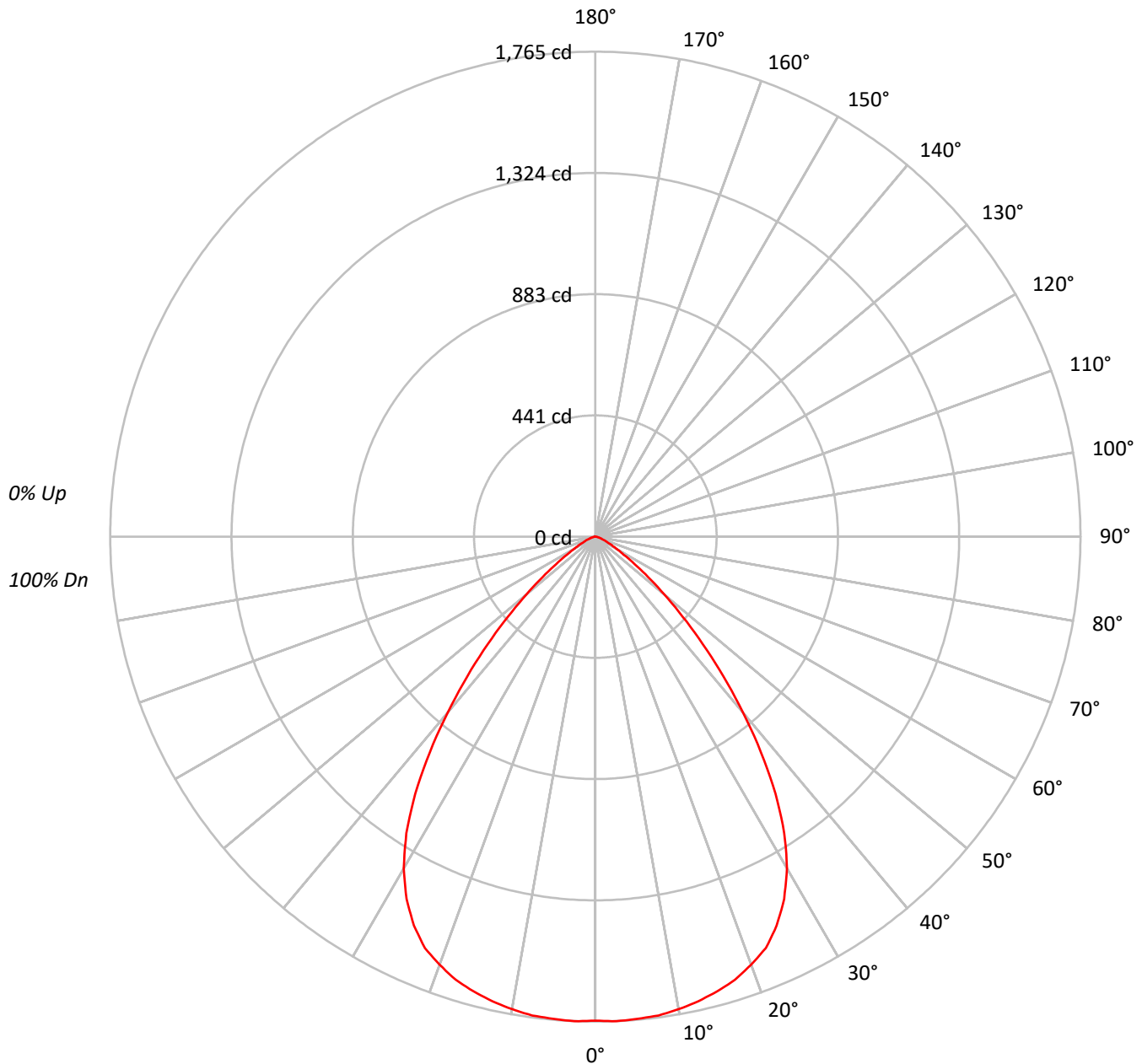
Lumens per Lamp: N/A
Luminaire Lumens: 2733.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	216419
5°	217245
10°	217899
15°	217910
20°	216711
25°	211640
30°	197808
35°	171303
40°	133816
45°	96009
50°	62364
55°	37333
60°	21843
65°	14041
70°	9339
75°	7025
80°	5235
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	6.1
10°-20°	483.4	17.7
20°-30°	713.3	26.1
30°-40°	703.9	25.8
40°-50°	430.8	15.8
50°-60°	165.1	6.0
60°-70°	51.6	1.9
70°-80°	15.1	0.6
80°-90°	2.0	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°	1364.4	49.9
0°-40°	2068.3	75.7
0°-60°	2664.2	97.5
0°-90°	2733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2733.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1762	
5°	1762	168
15°	1713	483
25°	1561	713
35°	1142	704
45°	553	431
55°	174	165
65°	48	52
75°	15	15
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1761.6
2.5°	1765.3
5°	1761.6
7.5°	1757.9
10°	1746.7
12.5°	1731.9
15°	1713.3
17.5°	1691.1
20°	1657.6
22.5°	1620.7
25°	1561.3
27.5°	1487.1
30°	1394.4
32.5°	1279.5
35°	1142.2
37.5°	990.1
40°	834.4
42.5°	689.8
45°	552.6
47.5°	430.1
50°	326.3
52.5°	241.1
55°	174.3
57.5°	122.3
60°	88.9
62.5°	66.8
65°	48.3
67.5°	37.1
70°	26.0
72.5°	18.6
75°	14.8
77.5°	7.4
80°	7.4
82.5°	3.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)