

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: P858686

Luminaire Tested: **LD4C30W2N2765D010 4LBWLI_3000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30W2N2765D010 4LBWLI_3000K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2765 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

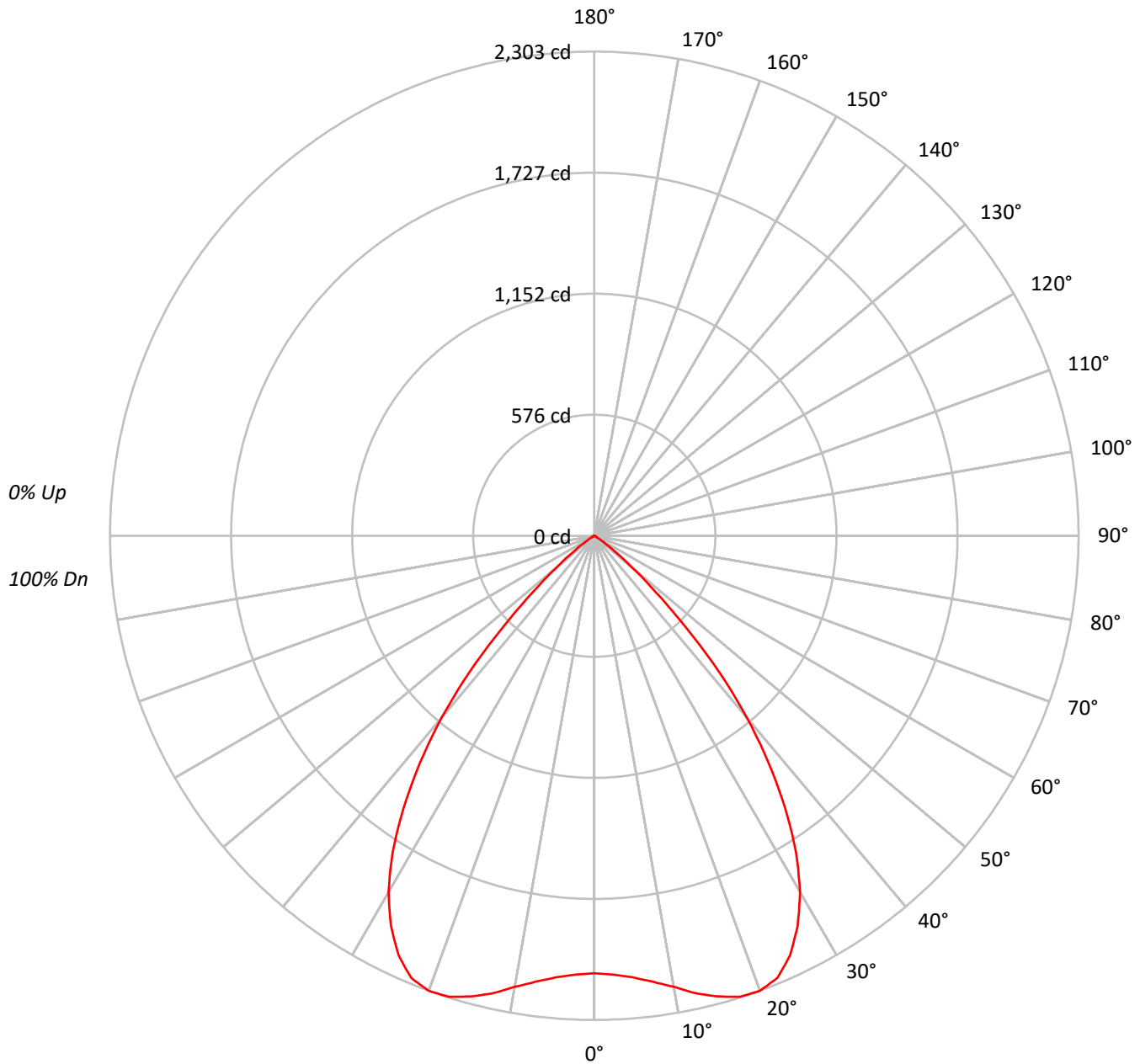
Lumens per Lamp: N/A
Luminaire Lumens: 3397.1 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70		
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64		
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45		
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	255695
5°	260038
10°	271790
15°	288473
20°	301116
25°	298503
30°	277604
35°	237473
40°	180934
45°	106138
50°	45354
55°	13344
60°	3833
65°	2267
70°	1401
75°	1851
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	6.0
10°-20°	642.4	18.9
20°-30°	1002.1	29.5
30°-40°	975.0	28.7
40°-50°	487.0	14.3
50°-60°	75.4	2.2
60°-70°	9.1	0.3
70°-80°	2.6	0.1
80°-90°	0.0	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°	1848.0	54.4
0°-40°	2823.0	83.1
0°-60°	3385.4	99.7
0°-90°	3397.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3397.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2081	
5°	2109	204
15°	2268	642
25°	2202	1002
35°	1583	975
45°	611	487
55°	62	75
65°	8	9
75°	4	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2081.3
2.5°	2089.1
5°	2108.6
7.5°	2139.8
10°	2178.7
12.5°	2229.2
15°	2268.1
17.5°	2299.3
20°	2303.2
22.5°	2275.9
25°	2202.1
27.5°	2093.0
30°	1956.9
32.5°	1785.8
35°	1583.4
37.5°	1361.6
40°	1128.2
42.5°	879.3
45°	610.9
47.5°	392.9
50°	237.3
52.5°	128.4
55°	62.3
57.5°	27.3
60°	15.6
62.5°	11.7
65°	7.8
67.5°	7.8
70°	3.9
72.5°	3.9
75°	3.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)