

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: P858596

Luminaire Tested: **LD4C25W2N2765D010 4LBWH_3000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858596
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: LD4C25W2N2765D010 4LBWH_3000K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2765 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

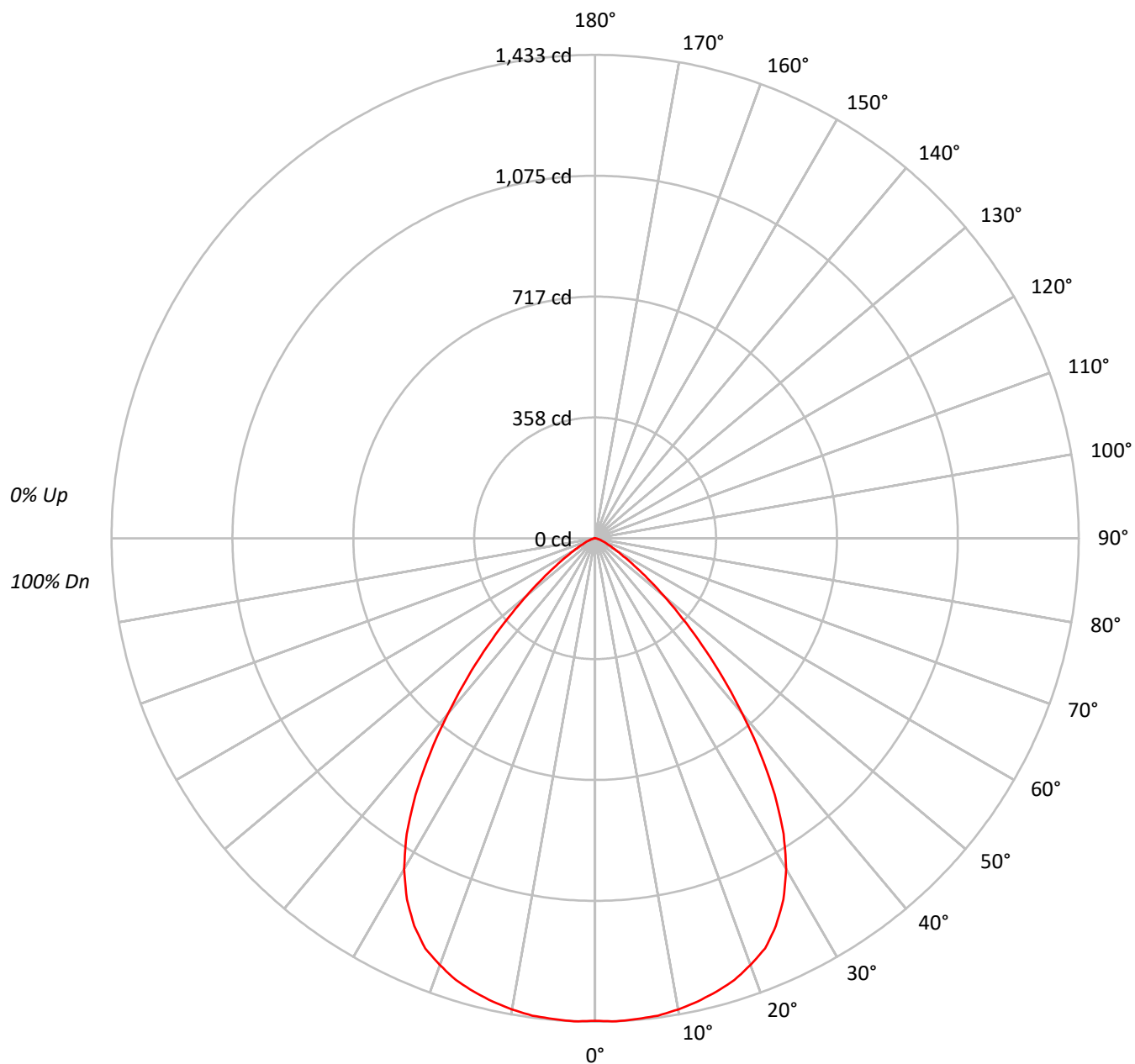
Lumens per Lamp: N/A
Luminaire Lumens: 2219.1 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
Input Voltage (V): NR
Input Current (A_{in}): 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°	175717
5°	176389
10°	176919
15°	176930
20°	175960
25°	171842
30°	160613
35°	139088
40°	108653
45°	77958
50°	50648
55°	30308
60°	17740
65°	11395
70°	7579
75°	5743
80°	4245
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	6.1
10°-20°	392.5	17.7
20°-30°	579.1	26.1
30°-40°	571.5	25.8
40°-50°	349.8	15.8
50°-60°	134.1	6.0
60°-70°	41.9	1.9
70°-80°	12.3	0.6
80°-90°	1.6	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°	1107.8	49.9
0°-40°	1679.4	75.7
0°-60°	2163.2	97.5
0°-90°	2219.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1430	
5°	1430	136
15°	1391	392
25°	1268	579
35°	927	572
45°	449	350
55°	142	134
65°	39	42
75°	12	12
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1430.3
2.5°	1433.3
5°	1430.3
7.5°	1427.3
10°	1418.2
12.5°	1406.2
15°	1391.1
17.5°	1373.0
20°	1345.9
22.5°	1315.9
25°	1267.7
27.5°	1207.4
30°	1132.2
32.5°	1038.9
35°	927.4
37.5°	803.9
40°	677.5
42.5°	560.1
45°	448.7
47.5°	349.2
50°	265.0
52.5°	195.8
55°	141.5
57.5°	99.3
60°	72.2
62.5°	54.3
65°	39.2
67.5°	30.1
70°	21.1
72.5°	15.1
75°	12.1
77.5°	6.0
80°	6.0
82.5°	3.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)