

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: P858582

Luminaire Tested: **LD4C25W2N2765D010 4LBNH_6500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25W2N2765D010 4LBNH_6500K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 6500K, W2N2765 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

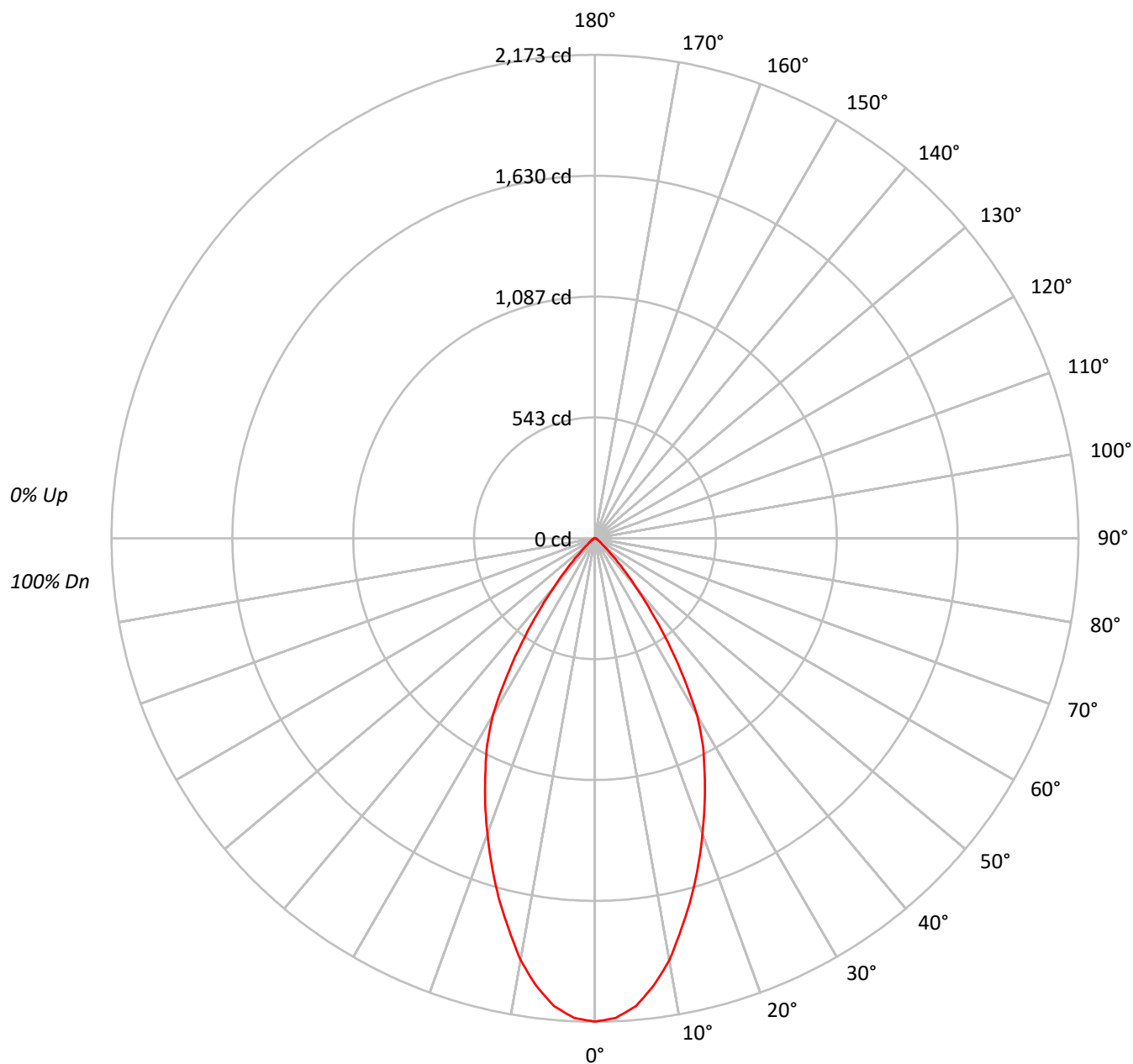
Lumens per Lamp: N/A
Luminaire Lumens: 1695.0 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	113	111	108	106	111	109	106	104		104	103	101			101	99	98			93
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			87
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			81
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			75
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			70
6	88	79	73	69	86	78	72	68		77	72	68			75	71	67			65
7	83	74	68	64	82	73	68	64		72	67	63			71	66	63			61
8	79	70	64	60	78	69	64	60		68	63	59			67	63	59			58
9	76	66	60	56	75	66	60	56		65	59	56			64	59	56			54
10	72	62	57	53	71	62	57	53		61	56	53			60	56	52			51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	266936
5°	260334
10°	240216
15°	212670
20°	184654
25°	157947
30°	130212
35°	85757
40°	46091
45°	20415
50°	8276
55°	5976
60°	3784
65°	2703
70°	2227
75°	1471
80°	2193
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	11.5
10°-20°	466.0	27.5
20°-30°	533.8	31.5
30°-40°	358.6	21.2
40°-50°	102.5	6.0
50°-60°	25.1	1.5
60°-70°	9.5	0.6
70°-80°	3.7	0.2
80°-90°	0.4	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°	1195.2	70.5
0°-40°	1553.8	91.7
0°-60°	1681.4	99.2
0°-90°	1695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1695.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2173	
5°	2111	195
15°	1672	466
25°	1165	534
35°	572	359
45°	118	102
55°	28	25
65°	9	10
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2172.8
2.5°	2157.4
5°	2111.0
7.5°	2027.5
10°	1925.6
12.5°	1795.7
15°	1672.1
17.5°	1542.3
20°	1412.4
22.5°	1288.9
25°	1165.2
27.5°	1050.8
30°	917.9
32.5°	741.7
35°	571.8
37.5°	417.2
40°	287.4
42.5°	188.5
45°	117.5
47.5°	71.1
50°	43.3
52.5°	34.0
55°	27.9
57.5°	21.6
60°	15.4
62.5°	12.3
65°	9.3
67.5°	6.2
70°	6.2
72.5°	3.1
75°	3.1
77.5°	3.1
80°	3.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)