

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: P858470

Luminaire Tested: **LD4C20W2N2050D010 4LBWH_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858470
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: LD4C20W2N2050D010 4LBWH_2700K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

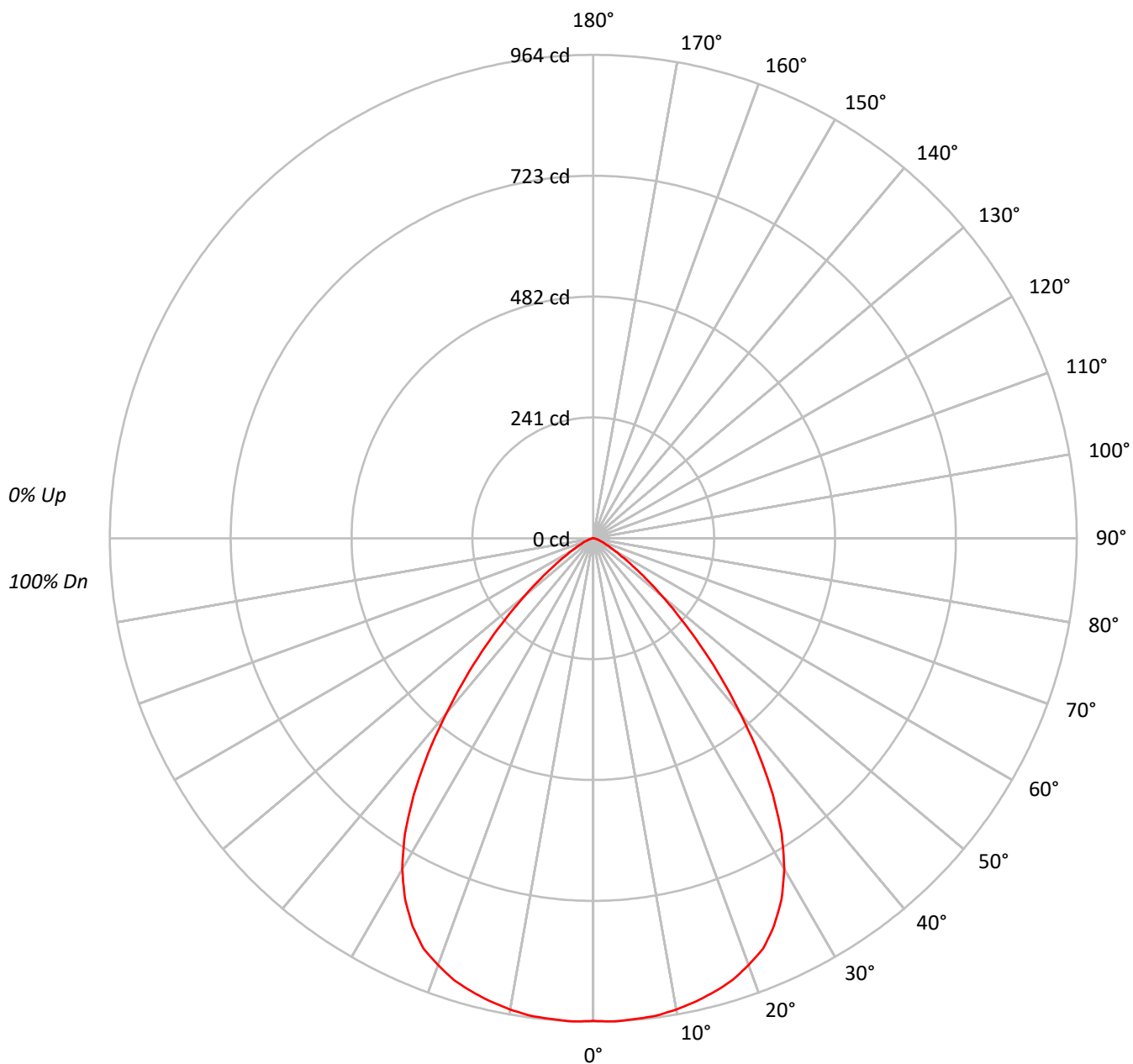
Lumens per Lamp: N/A
Luminaire Lumens: 1493.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 25.4
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°	118222
5°	118673
10°	119035
15°	119047
20°	118383
25°	115614
30°	108068
35°	93570
40°	73098
45°	52452
50°	34078
55°	20391
60°	11941
65°	7674
70°	5101
75°	3845
80°	2901
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	6.1
10°-20°	264.1	17.7
20°-30°	389.7	26.1
30°-40°	384.5	25.8
40°-50°	235.3	15.8
50°-60°	90.2	6.0
60°-70°	28.2	1.9
70°-80°	8.3	0.6
80°-90°	1.1	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°	745.4	49.9
0°-40°	1129.9	75.7
0°-60°	1455.4	97.5
0°-90°	1493.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1493.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	962	
5°	962	92
15°	936	264
25°	853	390
35°	624	385
45°	302	235
55°	95	90
65°	26	28
75°	8	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	962.3
2.5°	964.4
5°	962.3
7.5°	960.3
10°	954.2
12.5°	946.1
15°	936.0
17.5°	923.8
20°	905.5
22.5°	885.4
25°	852.9
27.5°	812.4
30°	761.8
32.5°	699.0
35°	623.9
37.5°	540.9
40°	455.8
42.5°	376.8
45°	301.9
47.5°	235.0
50°	178.3
52.5°	131.7
55°	95.2
57.5°	66.8
60°	48.6
62.5°	36.5
65°	26.4
67.5°	20.3
70°	14.2
72.5°	10.1
75°	8.1
77.5°	4.1
80°	4.1
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)