

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: P858443

Luminaire Tested: **LD4C20W2N2050D010 4LBMH_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C20W2N2050D010 4LBMH_4000K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2050 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

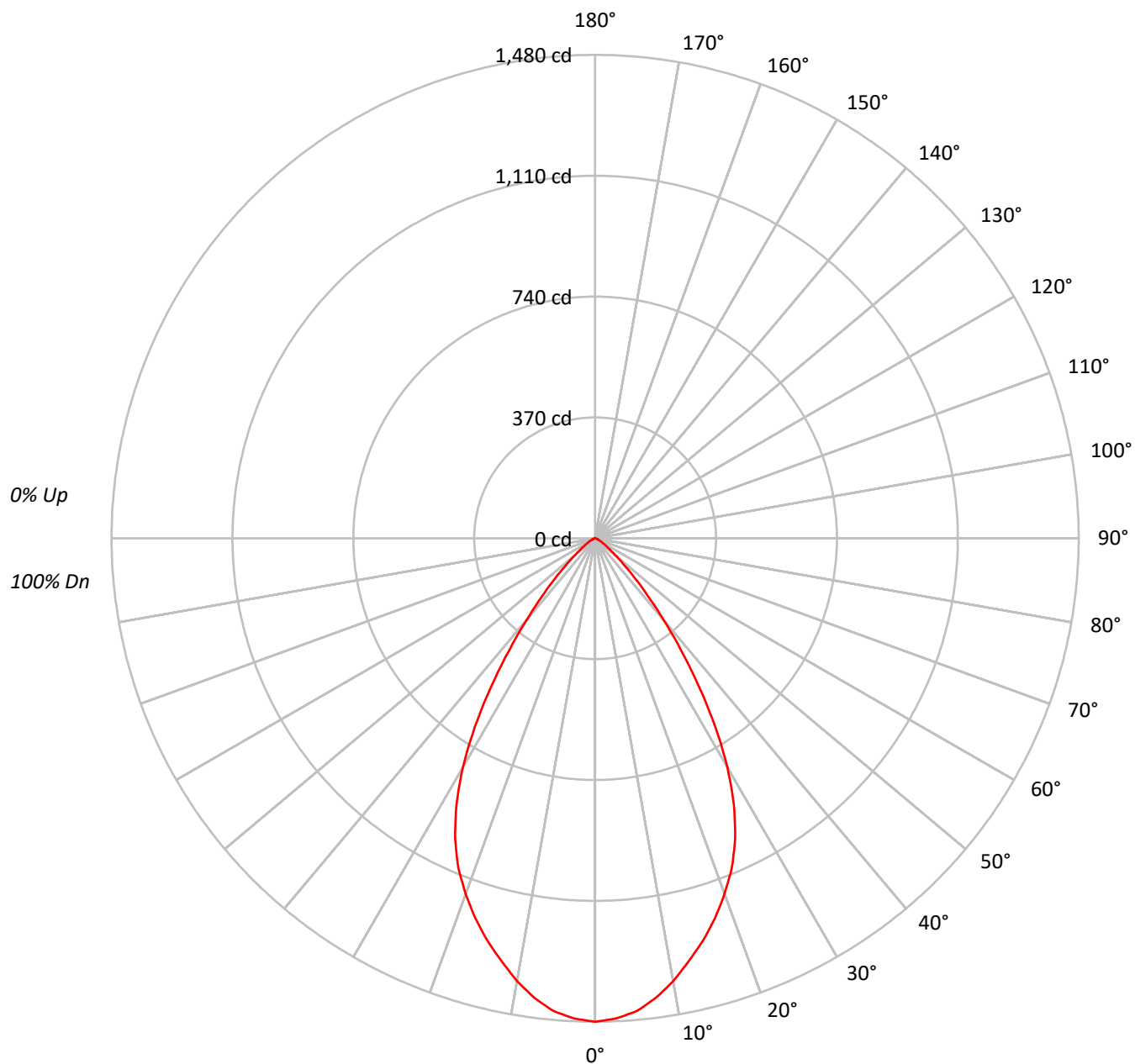
Lumens per Lamp: N/A
Luminaire Lumens: 1493.1 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	113	110	108	105	111	108	106	104		104	102	100			100	99	97			97
2	107	102	98	94	105	100	96	93		97	94	91			94	91	89			91
3	101	94	89	85	99	93	88	84		90	86	83			88	84	82			86
4	96	88	82	77	94	86	81	77		84	80	76			82	78	75			80
5	90	82	75	71	89	81	75	70		79	74	70			77	73	69			75
6	86	76	70	65	84	75	69	65		74	68	64			72	68	64			71
7	81	71	65	60	80	70	64	60		69	64	60			68	63	59			67
8	77	67	60	56	75	66	60	56		65	59	56			64	59	55			63
9	73	63	56	52	72	62	56	52		61	56	52			60	55	52			59
10	69	59	53	49	68	59	53	49		58	52	49			57	52	48			56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	181872
5°	179237
10°	171742
15°	162215
20°	151421
25°	137452
30°	114764
35°	83132
40°	52041
45°	29744
50°	15519
55°	8696
60°	5528
65°	3285
70°	2443
75°	1092
80°	1627
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	9.1
10°-20°	357.4	23.9
20°-30°	459.3	30.8
30°-40°	345.5	23.1
40°-50°	138.8	9.3
50°-60°	39.5	2.6
60°-70°	12.5	0.8
70°-80°	3.6	0.2
80°-90°	0.3	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°	952.9	63.8
0°-40°	1298.4	87.0
0°-60°	1476.7	98.9
0°-90°	1493.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1493.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1480	
5°	1453	136
15°	1275	357
25°	1014	459
35°	554	346
45°	171	139
55°	41	39
65°	11	12
75°	2	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1480.4
2.5°	1471.4
5°	1453.4
7.5°	1419.5
10°	1376.7
12.5°	1325.0
15°	1275.4
17.5°	1219.0
20°	1158.2
22.5°	1092.9
25°	1014.0
27.5°	919.3
30°	809.0
32.5°	685.0
35°	554.3
37.5°	432.6
40°	324.5
42.5°	238.8
45°	171.2
47.5°	117.2
50°	81.2
52.5°	56.4
55°	40.6
57.5°	29.3
60°	22.5
62.5°	15.8
65°	11.3
67.5°	9.0
70°	6.8
72.5°	4.5
75°	2.3
77.5°	2.3
80°	2.3
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)