

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: P858516

Luminaire Tested: **LD4C20W2N2765D010 4LBWH_6500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858516
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: LD4C20W2N2765D010 4LBWH_6500K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 6500K, W2N2765 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

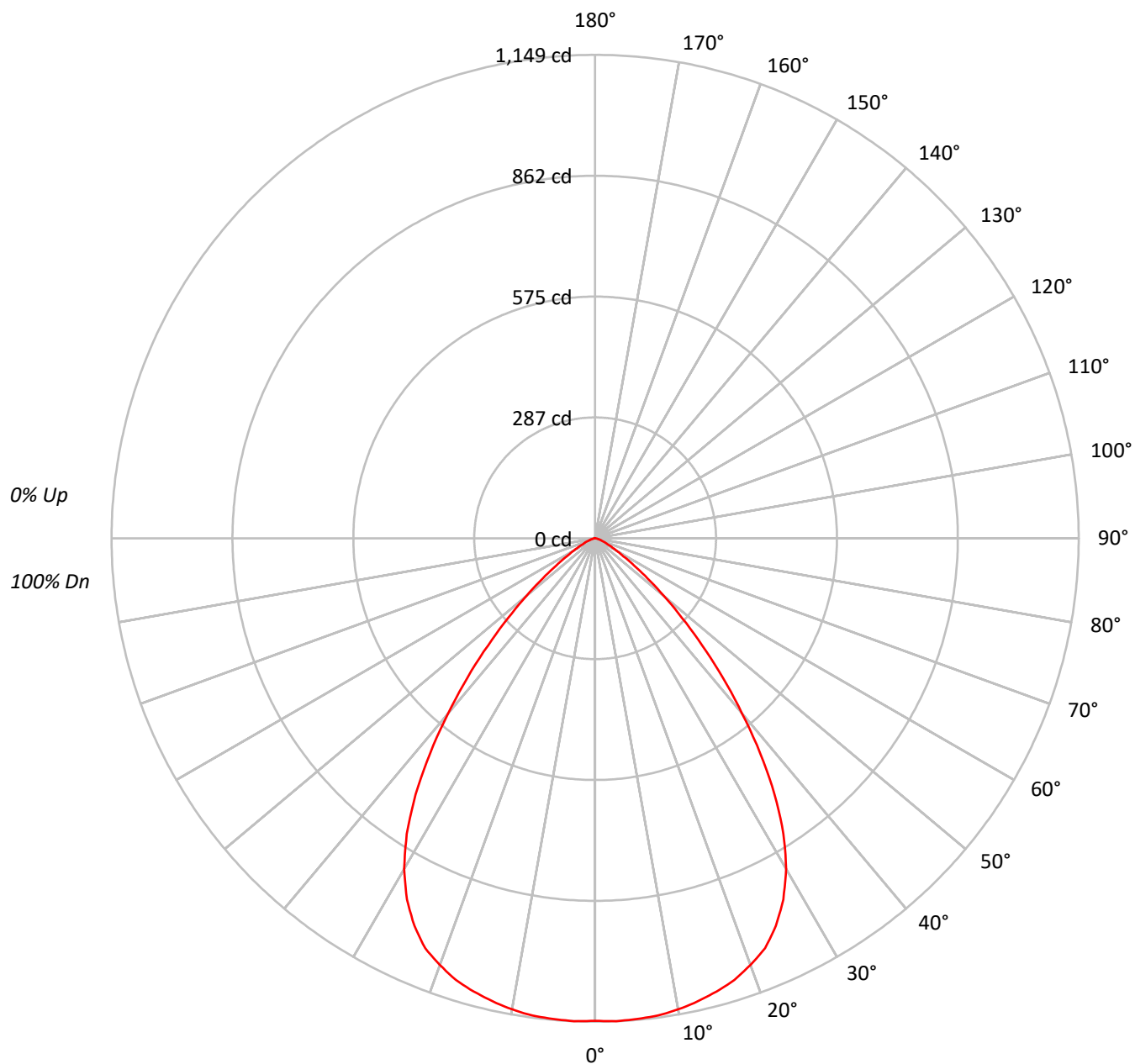
Lumens per Lamp: N/A
Luminaire Lumens: 1779.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	140876
5°	141414
10°	141839
15°	141852
20°	141066
25°	137763
30°	128765
35°	111507
40°	87099
45°	62495
50°	40595
55°	24310
60°	14226
65°	9128
70°	6070
75°	4604
80°	3396
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	6.1
10°-20°	314.6	17.7
20°-30°	464.3	26.1
30°-40°	458.2	25.8
40°-50°	280.4	15.8
50°-60°	107.5	6.0
60°-70°	33.6	1.9
70°-80°	9.9	0.6
80°-90°	1.3	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°	888.2	49.9
0°-40°	1346.4	75.7
0°-60°	1734.3	97.5
0°-90°	1779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1779.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1147	
5°	1147	109
15°	1115	315
25°	1016	464
35°	744	458
45°	360	280
55°	114	108
65°	31	34
75°	10	10
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1146.7
2.5°	1149.1
5°	1146.7
7.5°	1144.3
10°	1137.0
12.5°	1127.3
15°	1115.3
17.5°	1100.8
20°	1079.0
22.5°	1055.0
25°	1016.3
27.5°	968.0
30°	907.7
32.5°	832.9
35°	743.5
37.5°	644.5
40°	543.1
42.5°	449.0
45°	359.7
47.5°	280.0
50°	212.4
52.5°	157.0
55°	113.5
57.5°	79.6
60°	57.9
62.5°	43.5
65°	31.4
67.5°	24.2
70°	16.9
72.5°	12.1
75°	9.7
77.5°	4.8
80°	4.8
82.5°	2.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)