

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: P#

Luminaire Tested: **LD4C20D010 EX4C209035 4LBSQH**

Issue Date: 2/9/2022



**Test Information**

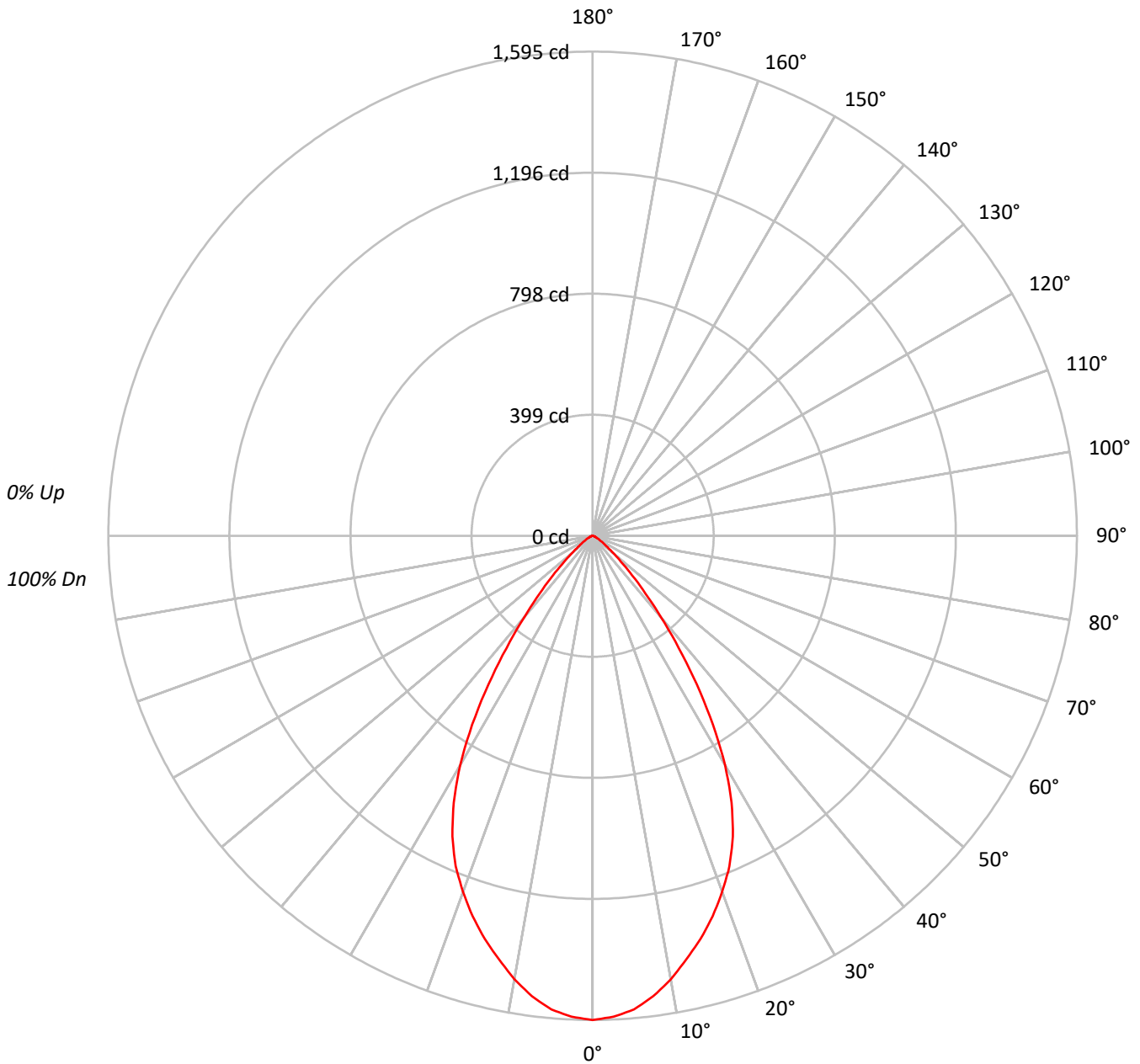
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C20D010 EX4C209035 4LBSQH  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBSQ TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1609.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.8  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79																			
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73																			
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67																			
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62																			
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58																			
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54																			
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50																			
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	153938
5°	151708
10°	145369
15°	137302
20°	128157
25°	116344
30°	97132
35°	70368
40°	44047
45°	25176
50°	13135
55°	7351
60°	4689
65°	2763
70°	2059
75°	895
80°	1334
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.8	9.1
10°-20°	385.1	23.9
20°-30°	495.0	30.8
30°-40°	372.4	23.1
40°-50°	149.6	9.3
50°-60°	42.5	2.6
60°-70°	13.4	0.8
70°-80°	3.8	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°	1026.9	63.8
0°-40°	1399.3	87.0
0°-60°	1591.4	98.9
0°-90°	1609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1609.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1595	
5°	1566	147
15°	1374	385
25°	1093	495
35°	597	372
45°	184	150
55°	44	43
65°	12	13
75°	2	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1595.4
2.5°	1585.7
5°	1566.3
7.5°	1529.8
10°	1483.7
12.5°	1427.9
15°	1374.5
17.5°	1313.7
20°	1248.1
22.5°	1177.8
25°	1092.8
27.5°	990.7
30°	871.8
32.5°	738.2
35°	597.4
37.5°	466.2
40°	349.7
42.5°	257.4
45°	184.5
47.5°	126.3
50°	87.5
52.5°	60.7
55°	43.7
57.5°	31.6
60°	24.3
62.5°	17.0
65°	12.1
67.5°	9.7
70°	7.3
72.5°	4.9
75°	2.4
77.5°	2.4
80°	2.4
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)