

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: **LD4C65D010 EX4C659027 4LBSQH**

Issue Date: 2/9/2022



**Test Information**

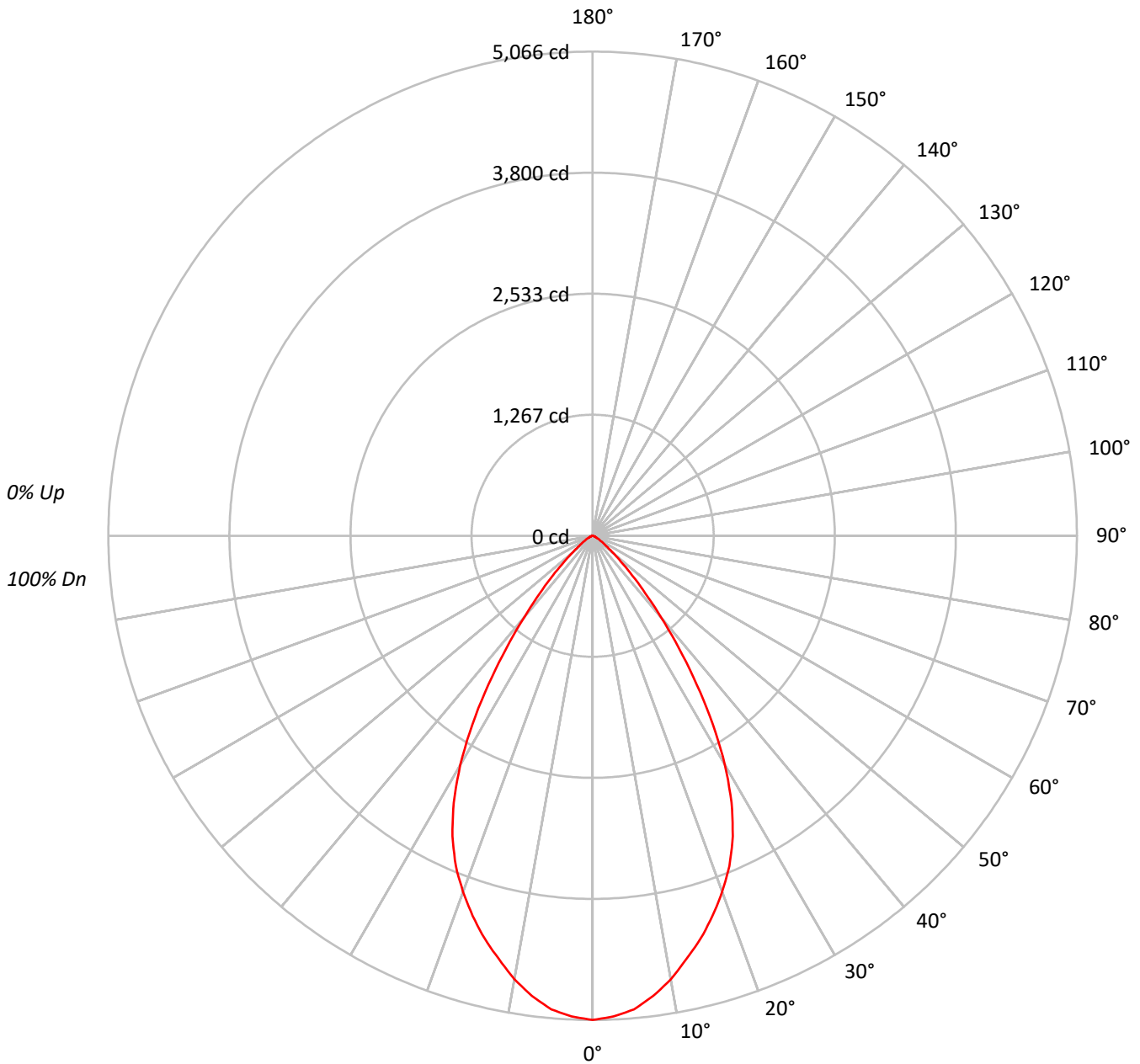
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C65D010 EX4C659027 4LBSQH  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBSQ TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5109.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 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): 72.4  
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				20				
RC	80				70				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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

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

	0°
0°	488803
5°	481701
10°	461581
15°	435962
20°	406947
25°	369408
30°	308421
35°	223438
40°	139863
45°	79950
50°	41686
55°	23349
60°	14879
65°	8813
70°	6517
75°	2871
80°	4279
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	466.1	9.1
10°-20°	1222.9	23.9
20°-30°	1571.6	30.8
30°-40°	1182.5	23.1
40°-50°	474.9	9.3
50°-60°	135.0	2.6
60°-70°	42.8	0.8
70°-80°	12.2	0.2
80°-90°	1.0	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°	3260.7	63.8
0°-40°	4443.1	87.0
0°-60°	5053.0	98.9
0°-90°	5109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5109.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5066	
5°	4973	466
15°	4364	1223
25°	3470	1572
35°	1897	1182
45°	586	475
55°	139	135
65°	39	43
75°	8	12
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5065.9
2.5°	5035.0
5°	4973.3
7.5°	4857.6
10°	4711.1
12.5°	4534.0
15°	4364.3
17.5°	4171.4
20°	3963.2
22.5°	3739.8
25°	3469.8
27.5°	3145.8
30°	2768.2
32.5°	2344.0
35°	1896.9
37.5°	1480.4
40°	1110.4
42.5°	817.3
45°	585.9
47.5°	401.1
50°	277.7
52.5°	192.8
55°	138.8
57.5°	100.3
60°	77.1
62.5°	54.0
65°	38.6
67.5°	30.9
70°	23.1
72.5°	15.4
75°	7.7
77.5°	7.7
80°	7.7
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)