

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 EX4C659030 4LBSQH**

Issue Date: 2/9/2022



**Test Information**

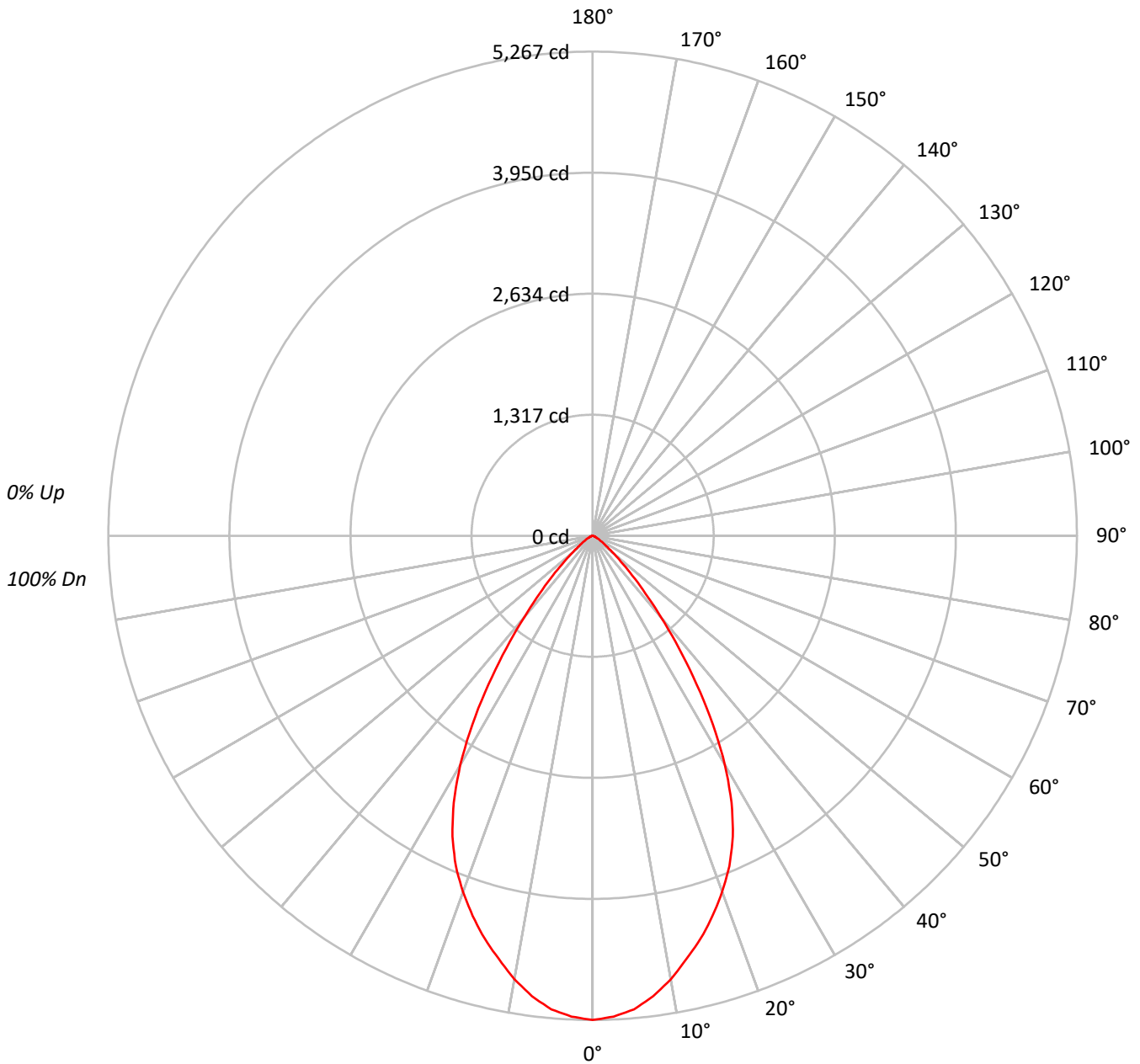
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C65D010 EX4C659030 4LBSQH  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBSQ TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5312.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 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			
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°	508226
5°	500840
10°	479913
15°	453283
20°	423109
25°	384089
30°	320677
35°	232320
40°	145430
45°	83129
50°	43337
55°	24291
60°	15477
65°	9155
70°	6799
75°	2982
80°	4445
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	484.7	9.1
10°-20°	1271.5	23.9
20°-30°	1634.1	30.8
30°-40°	1229.4	23.1
40°-50°	493.8	9.3
50°-60°	140.4	2.6
60°-70°	44.4	0.8
70°-80°	12.6	0.2
80°-90°	1.1	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°	3390.2	63.8
0°-40°	4619.7	87.0
0°-60°	5253.8	98.9
0°-90°	5312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5312.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5267	
5°	5171	485
15°	4538	1271
25°	3608	1634
35°	1972	1229
45°	609	494
55°	144	140
65°	40	44
75°	8	13
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5267.2
2.5°	5235.1
5°	5170.9
7.5°	5050.6
10°	4898.2
12.5°	4714.1
15°	4537.7
17.5°	4337.2
20°	4120.6
22.5°	3888.4
25°	3607.7
27.5°	3270.8
30°	2878.2
32.5°	2437.1
35°	1972.3
37.5°	1539.2
40°	1154.6
42.5°	849.8
45°	609.2
47.5°	417.1
50°	288.7
52.5°	200.5
55°	144.4
57.5°	104.3
60°	80.2
62.5°	56.1
65°	40.1
67.5°	32.1
70°	24.1
72.5°	16.0
75°	8.0
77.5°	8.0
80°	8.0
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)