

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: **LD4C45D010 EX4C459035 4LBSQH**

Issue Date: 2/9/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**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: LD4C45D010 EX4C459035 4LBSQH  
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBSQ TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

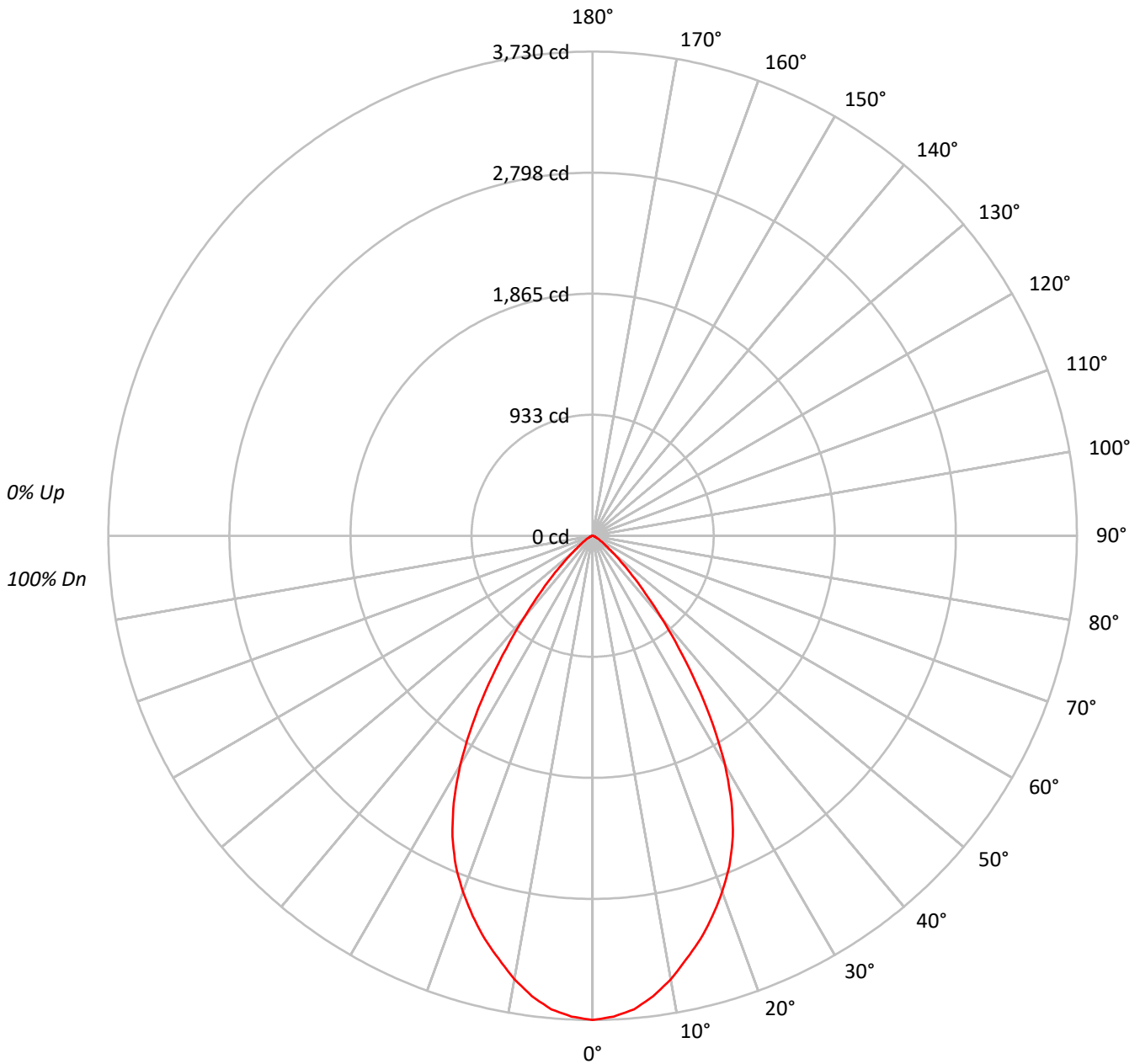
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3762.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 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): 49.6  
Input Voltage (V):  
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																	
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	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°	359933
5°	354702
10°	339884
15°	321015
20°	299655
25°	272015
30°	227110
35°	164531
40°	102995
45°	58867
50°	30698
55°	17192
60°	10961
65°	6484
70°	4796
75°	2125
80°	3167
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	343.2	9.1
10°-20°	900.5	23.9
20°-30°	1157.3	30.8
30°-40°	870.7	23.1
40°-50°	349.7	9.3
50°-60°	99.4	2.6
60°-70°	31.5	0.8
70°-80°	9.0	0.2
80°-90°	0.8	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°	2401.0	63.8
0°-40°	3271.7	87.0
0°-60°	3720.8	98.9
0°-90°	3762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3762.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3730	
5°	3662	343
15°	3214	900
25°	2555	1157
35°	1397	871
45°	431	350
55°	102	99
65°	28	31
75°	6	9
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3730.3
2.5°	3707.5
5°	3662.1
7.5°	3576.9
10°	3469.0
12.5°	3338.6
15°	3213.6
17.5°	3071.6
20°	2918.3
22.5°	2753.8
25°	2555.0
27.5°	2316.4
30°	2038.4
32.5°	1726.0
35°	1396.8
37.5°	1090.1
40°	817.7
42.5°	601.8
45°	431.4
47.5°	295.4
50°	204.5
52.5°	142.0
55°	102.2
57.5°	73.8
60°	56.8
62.5°	39.8
65°	28.4
67.5°	22.7
70°	17.0
72.5°	11.4
75°	5.7
77.5°	5.7
80°	5.7
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)