

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: P839904

Luminaire Tested: **LDS4C30D010 EU4309027 4LBSWH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839904  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C30D010 EU4309027 4LBSWH  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBS TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

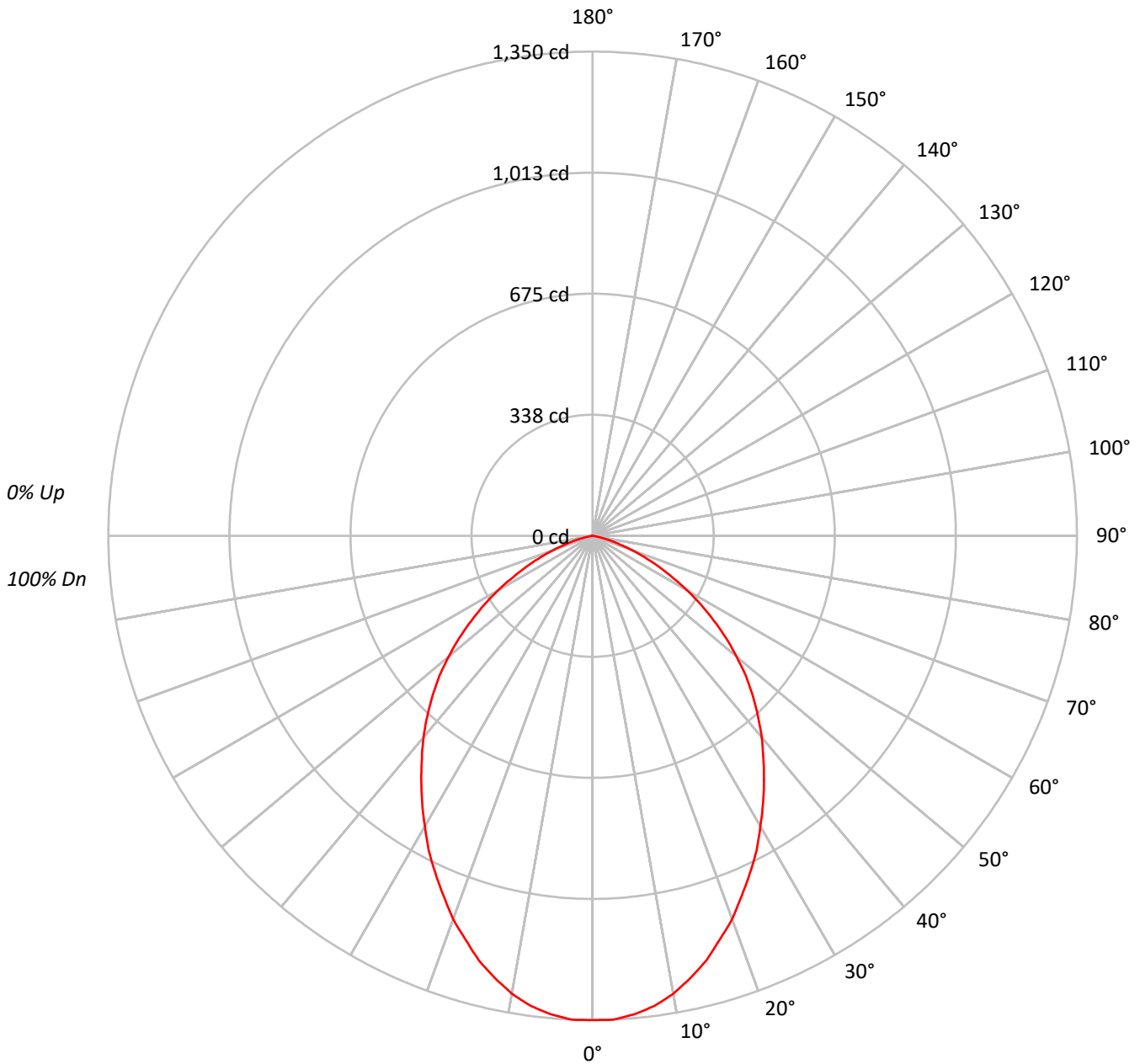
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2582.0 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.6  
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

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

	0°
0°	165901
5°	165129
10°	161724
15°	155843
20°	148675
25°	140651
30°	132681
35°	124930
40°	117618
45°	109648
50°	99978
55°	88288
60°	74744
65°	58692
70°	41883
75°	22927
80°	4033
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.5	4.9
10°-20°	343.8	13.3
20°-30°	477.4	18.5
30°-40°	521.0	20.2
40°-50°	486.0	18.8
50°-60°	368.9	14.3
60°-70°	202.0	7.8
70°-80°	55.6	2.2
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°	947.7	36.7
0°-40°	1468.7	56.9
0°-60°	2323.6	90.0
0°-90°	2582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2582.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1350	
5°	1339	126
15°	1225	344
25°	1038	477
35°	833	521
45°	631	486
55°	412	369
65°	202	202
75°	48	56
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1350.4
2.5°	1350.4
5°	1339.0
7.5°	1322.0
10°	1296.4
12.5°	1262.3
15°	1225.3
17.5°	1179.8
20°	1137.2
22.5°	1086.0
25°	1037.6
27.5°	989.4
30°	935.3
32.5°	884.1
35°	833.0
37.5°	781.8
40°	733.4
42.5°	682.3
45°	631.1
47.5°	579.9
50°	523.1
52.5°	469.1
55°	412.2
57.5°	358.2
60°	304.2
62.5°	250.2
65°	201.9
67.5°	156.3
70°	116.6
72.5°	79.6
75°	48.3
77.5°	22.7
80°	5.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)