

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: P839909

Luminaire Tested: **LDS4C30D010 EU4309030 4LBPSMMS**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C30D010 EU4309030 4LBPSMMS  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

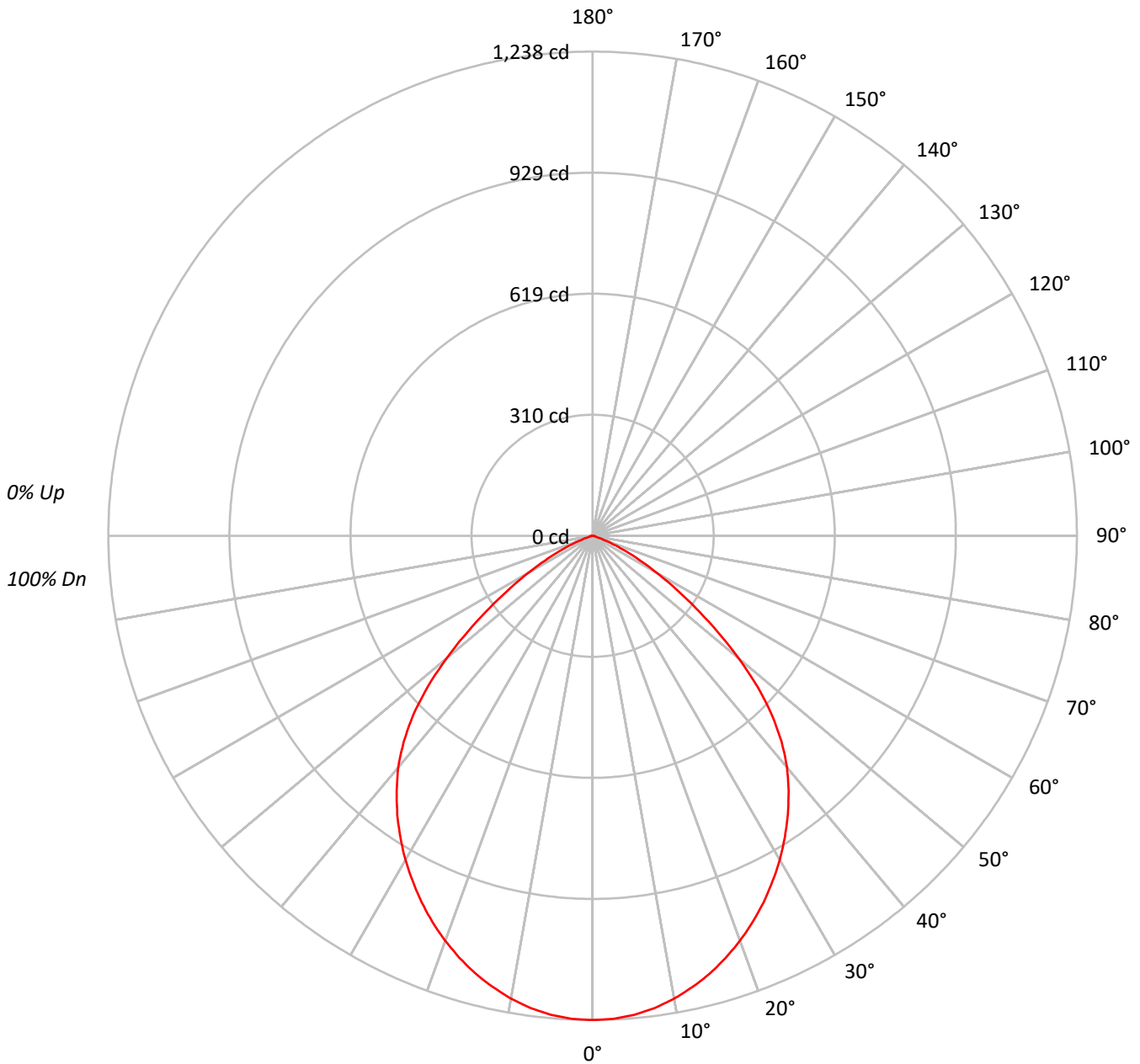
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2358.0 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
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	100	100	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70	70	70	70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62	62	62	62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55	55	55	55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40	40	40	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36	36	36	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33	33	33	33

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

	0°
0°	152105
5°	151588
10°	149923
15°	147346
20°	144047
25°	140190
30°	135773
35°	130554
40°	123969
45°	112706
50°	93040
55°	68519
60°	46512
65°	27238
70°	10740
75°	2421
80°	3184
85°	5356



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.5	4.9
10°-20°	326.2	13.8
20°-30°	475.8	20.2
30°-40°	543.1	23.0
40°-50°	493.8	20.9
50°-60°	291.2	12.4
60°-70°	97.7	4.1
70°-80°	10.2	0.4
80°-90°	3.6	0.2
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°	918.5	39.0
0°-40°	1461.6	62.0
0°-60°	2246.6	95.3
0°-90°	2358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2358.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1238	
5°	1229	116
15°	1158	326
25°	1034	476
35°	870	543
45°	649	494
55°	320	291
65°	94	98
75°	5	10
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1238.1
2.5°	1236.2
5°	1229.2
7.5°	1217.8
10°	1201.8
12.5°	1181.4
15°	1158.5
17.5°	1131.7
20°	1101.8
22.5°	1069.3
25°	1034.2
27.5°	996.0
30°	957.1
32.5°	914.4
35°	870.5
37.5°	822.7
40°	773.0
42.5°	715.0
45°	648.7
47.5°	572.2
50°	486.8
52.5°	401.5
55°	319.9
57.5°	250.4
60°	189.3
62.5°	137.0
65°	93.7
67.5°	57.4
70°	29.9
72.5°	11.5
75°	5.1
77.5°	5.1
80°	4.5
82.5°	3.8
85°	3.8
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)