

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: P839857

Luminaire Tested: **LDS4C25D010 EU4259030 4LBCSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839857
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: LDS4C25D010 EU4259030 4LBCSMMS
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

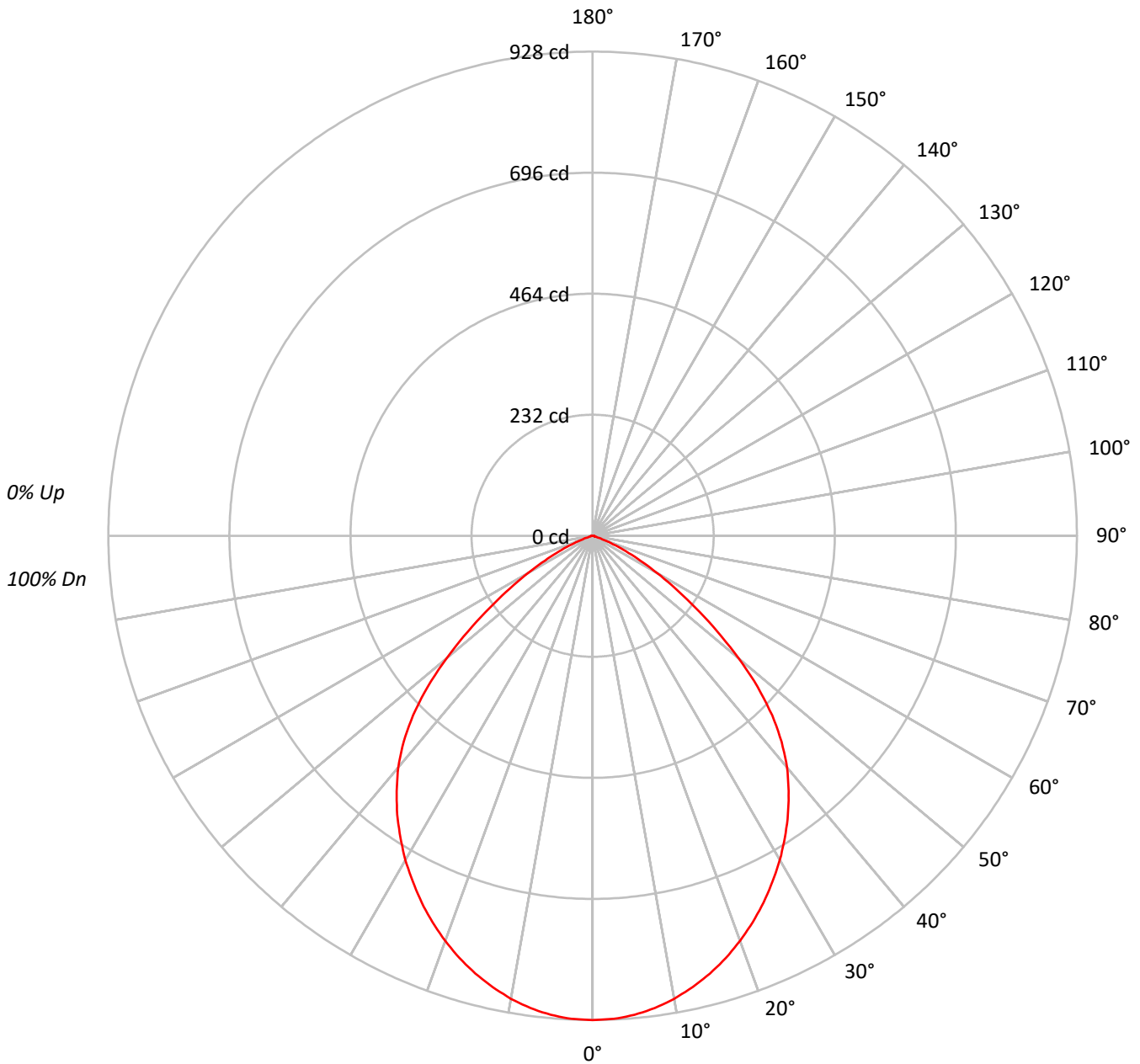
Lumens per Lamp: N/A
Luminaire Lumens: 1768.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
Input Current (A_{in}): 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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114045
5°	113667
10°	112411
15°	110475
20°	108003
25°	105122
30°	101798
35°	97890
40°	92953
45°	84508
50°	69761
55°	51384
60°	34866
65°	20407
70°	8082
75°	1804
80°	2335
85°	4088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	4.9
10°-20°	244.6	13.8
20°-30°	356.8	20.2
30°-40°	407.2	23.0
40°-50°	370.2	20.9
50°-60°	218.4	12.4
60°-70°	73.2	4.1
70°-80°	7.6	0.4
80°-90°	2.7	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°	688.7	39.0
0°-40°	1095.9	62.0
0°-60°	1684.5	95.3
0°-90°	1768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1768.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	928	
5°	922	87
15°	869	245
25°	776	357
35°	653	407
45°	486	370
55°	240	218
65°	70	73
75°	4	8
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	928.3
2.5°	926.9
5°	921.7
7.5°	913.1
10°	901.1
12.5°	885.8
15°	868.6
17.5°	848.6
20°	826.1
22.5°	801.7
25°	775.5
27.5°	746.8
30°	717.6
32.5°	685.6
35°	652.7
37.5°	616.8
40°	579.6
42.5°	536.1
45°	486.4
47.5°	429.1
50°	365.0
52.5°	301.0
55°	239.9
57.5°	187.8
60°	141.9
62.5°	102.7
65°	70.2
67.5°	43.0
70°	22.5
72.5°	8.6
75°	3.8
77.5°	3.8
80°	3.3
82.5°	2.9
85°	2.9
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)