

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: P839879

Luminaire Tested: **LDS4C25D010 EU4259040 4LBPSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839879
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 EU4259040 4LBPSMMS
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

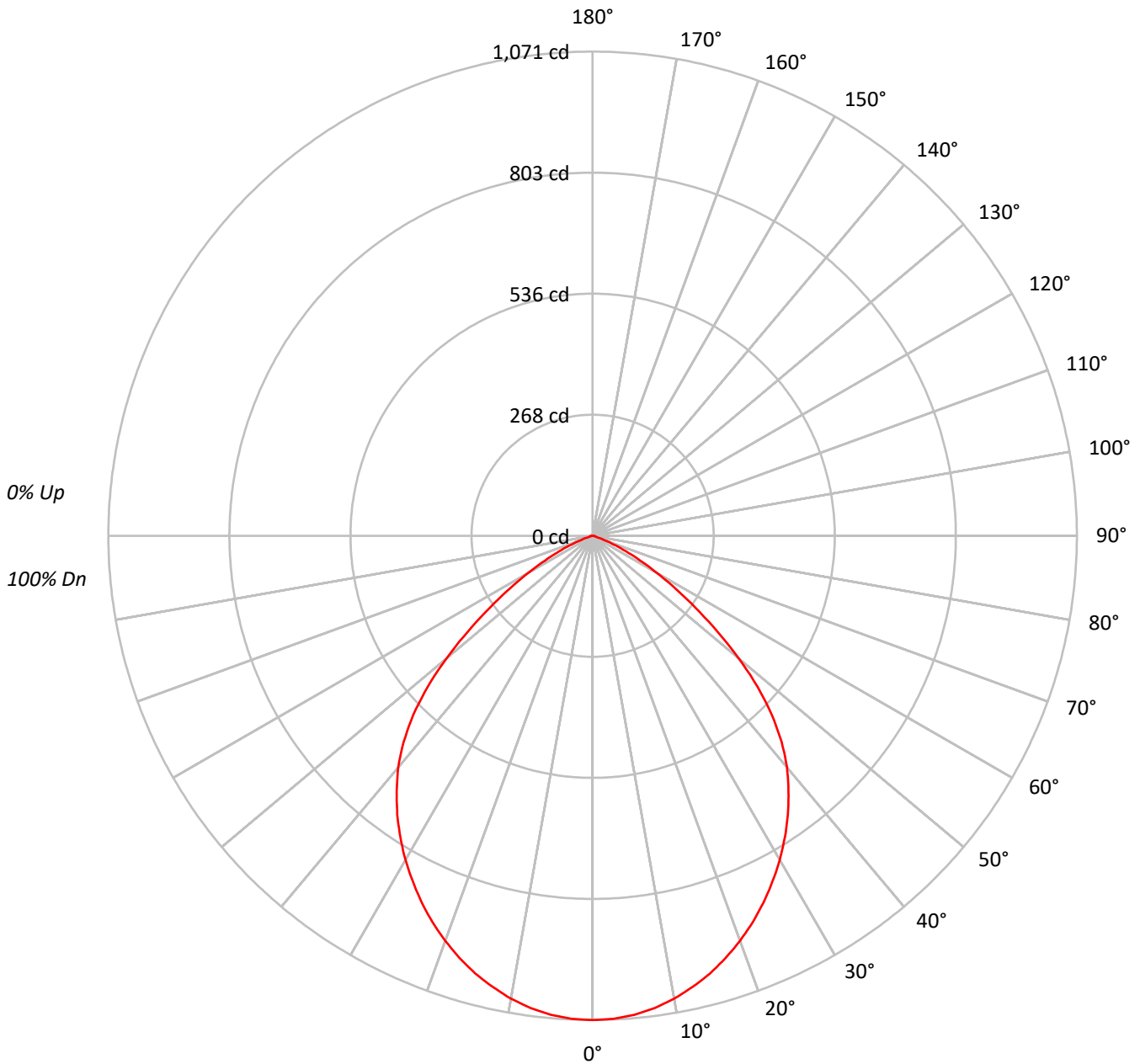
Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P839879

CATALOG NUMBER: LDS4C25D010 EU4259040 4LBPSMMS

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°	131601
5°	131141
10°	129701
15°	127480
20°	124619
25°	121294
30°	117459
35°	112947
40°	107242
45°	97503
50°	80502
55°	59287
60°	40222
65°	23546
70°	9303
75°	2089
80°	2759
85°	4652



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.8	4.9
10°-20°	282.2	13.8
20°-30°	411.7	20.2
30°-40°	469.9	23.0
40°-50°	427.2	20.9
50°-60°	252.0	12.4
60°-70°	84.5	4.1
70°-80°	8.8	0.4
80°-90°	3.1	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°	794.6	39.0
0°-40°	1264.5	62.0
0°-60°	1943.6	95.3
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1071	
5°	1063	101
15°	1002	282
25°	895	412
35°	753	470
45°	561	427
55°	277	252
65°	81	84
75°	4	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1071.2
2.5°	1069.5
5°	1063.4
7.5°	1053.5
10°	1039.7
12.5°	1022.1
15°	1002.3
17.5°	979.1
20°	953.2
22.5°	925.1
25°	894.8
27.5°	861.7
30°	828.0
32.5°	791.1
35°	753.1
37.5°	711.7
40°	668.7
42.5°	618.6
45°	561.2
47.5°	495.1
50°	421.2
52.5°	347.3
55°	276.8
57.5°	216.7
60°	163.7
62.5°	118.5
65°	81.0
67.5°	49.6
70°	25.9
72.5°	9.9
75°	4.4
77.5°	4.4
80°	3.9
82.5°	3.3
85°	3.3
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)