

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: P839848

Luminaire Tested: **LDS4C25D010 EU4259027 4LBPSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839848
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 EU4259027 4LBPSMB
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

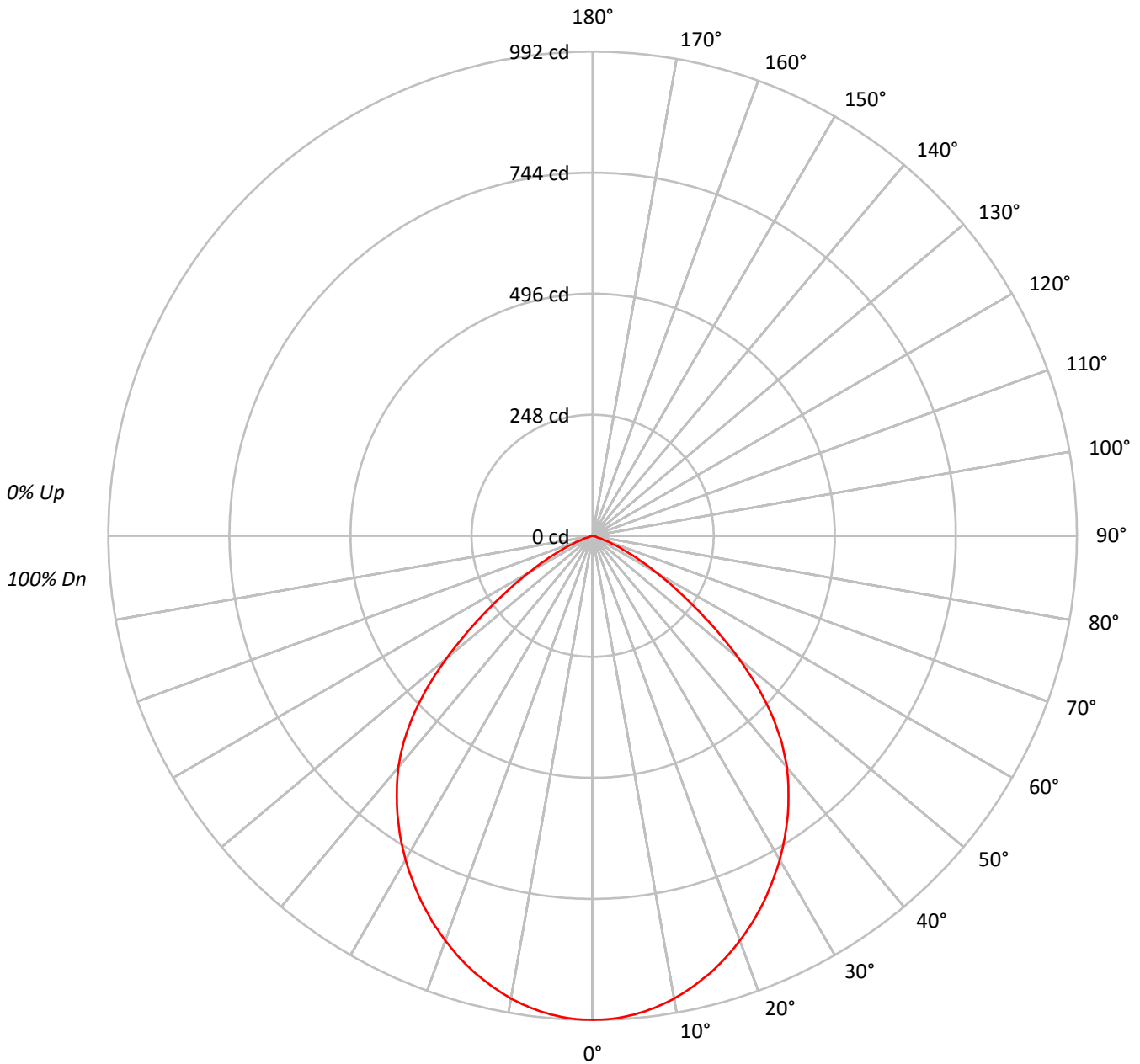
Lumens per Lamp: N/A
Luminaire Lumens: 1889.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121858
5°	121436
10°	120108
15°	118043
20°	115389
25°	112306
30°	108777
35°	104579
40°	99303
45°	90293
50°	74539
55°	54897
60°	37249
65°	21802
70°	8621
75°	1946
80°	2547
85°	4370



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	4.9
10°-20°	261.3	13.8
20°-30°	381.2	20.2
30°-40°	435.1	23.0
40°-50°	395.6	20.9
50°-60°	233.3	12.3
60°-70°	78.2	4.1
70°-80°	8.2	0.4
80°-90°	2.9	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°	735.8	39.0
0°-40°	1170.9	62.0
0°-60°	1799.7	95.3
0°-90°	1889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1889.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	992	
5°	985	93
15°	928	261
25°	828	381
35°	697	435
45°	520	396
55°	256	233
65°	75	78
75°	4	8
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	991.9
2.5°	990.3
5°	984.7
7.5°	975.5
10°	962.8
12.5°	946.4
15°	928.1
17.5°	906.6
20°	882.6
22.5°	856.6
25°	828.5
27.5°	797.9
30°	766.8
32.5°	732.6
35°	697.3
37.5°	659.0
40°	619.2
42.5°	572.8
45°	519.7
47.5°	458.4
50°	390.0
52.5°	321.6
55°	256.3
57.5°	200.6
60°	151.6
62.5°	109.8
65°	75.0
67.5°	45.9
70°	24.0
72.5°	9.2
75°	4.1
77.5°	4.1
80°	3.6
82.5°	3.1
85°	3.1
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)