

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: P839866

Luminaire Tested: **LDS4C25D010 EU4259035 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839866
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 EU4259035 4LBCSMB
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

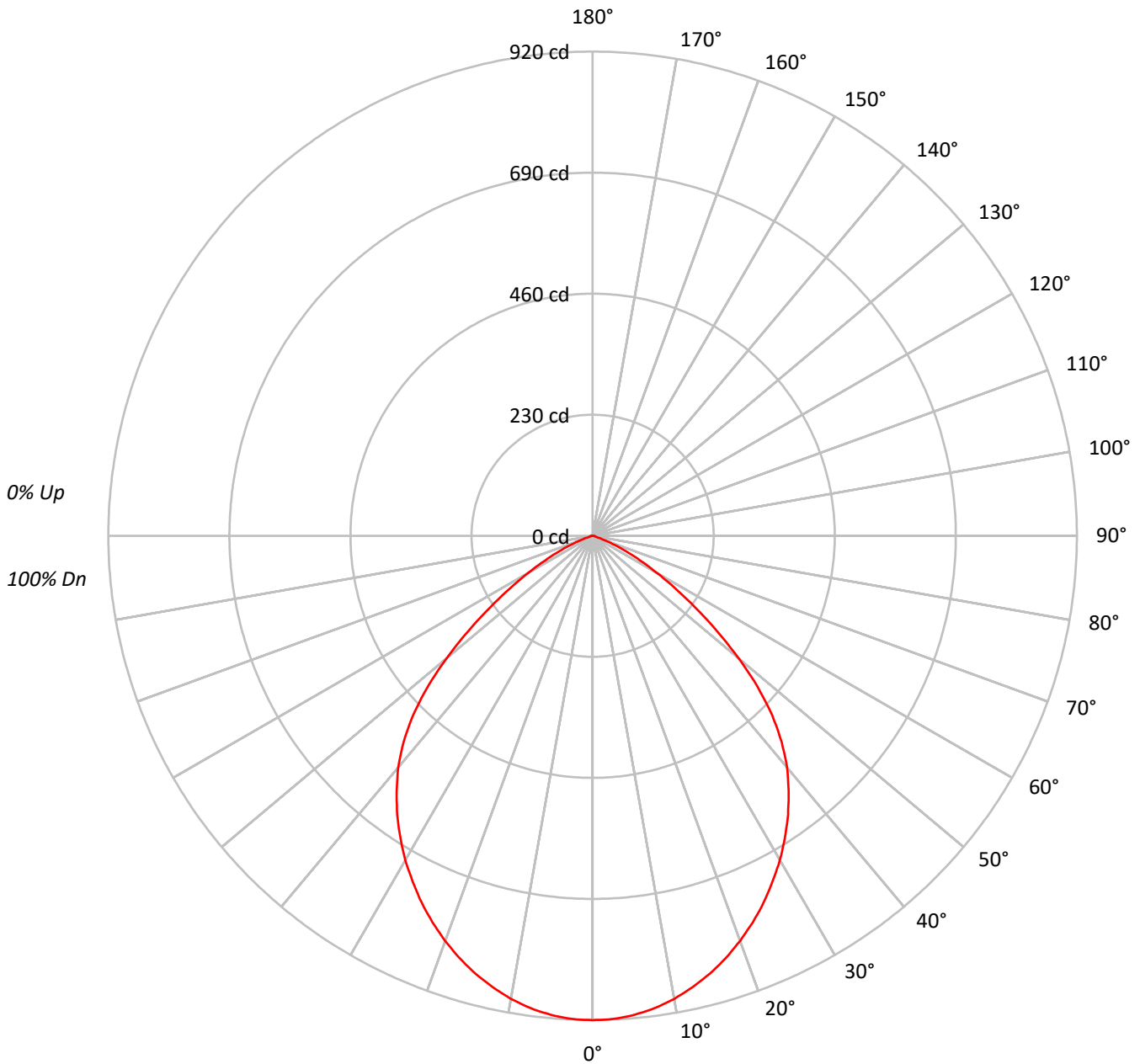
Lumens per Lamp: N/A
Luminaire Lumens: 1753.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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																	
RC	80									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	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°	113087
5°	112692
10°	111463
15°	109546
20°	107087
25°	104227
30°	100947
35°	97050
40°	92151
45°	83795
50°	69169
55°	50934
60°	34571
65°	20232
70°	8010
75°	1804
80°	2335
85°	3947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	4.9
10°-20°	242.5	13.8
20°-30°	353.7	20.2
30°-40°	403.8	23.0
40°-50°	367.1	20.9
50°-60°	216.5	12.4
60°-70°	72.6	4.1
70°-80°	7.6	0.4
80°-90°	2.6	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°	682.8	39.0
0°-40°	1086.6	62.0
0°-60°	1670.2	95.3
0°-90°	1753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1753.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	920	
5°	914	87
15°	861	243
25°	769	354
35°	647	404
45°	482	367
55°	238	217
65°	70	73
75°	4	8
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	920.5
2.5°	919.0
5°	913.8
7.5°	905.3
10°	893.5
12.5°	878.3
15°	861.3
17.5°	841.4
20°	819.1
22.5°	794.9
25°	768.9
27.5°	740.4
30°	711.6
32.5°	679.8
35°	647.1
37.5°	611.6
40°	574.6
42.5°	531.5
45°	482.3
47.5°	425.4
50°	361.9
52.5°	298.5
55°	237.8
57.5°	186.2
60°	140.7
62.5°	101.9
65°	69.6
67.5°	42.6
70°	22.3
72.5°	8.5
75°	3.8
77.5°	3.8
80°	3.3
82.5°	2.8
85°	2.8
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)