

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: P839856

Luminaire Tested: **LDS4C25D010 EU4259030 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839856
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 4LBCSMB
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

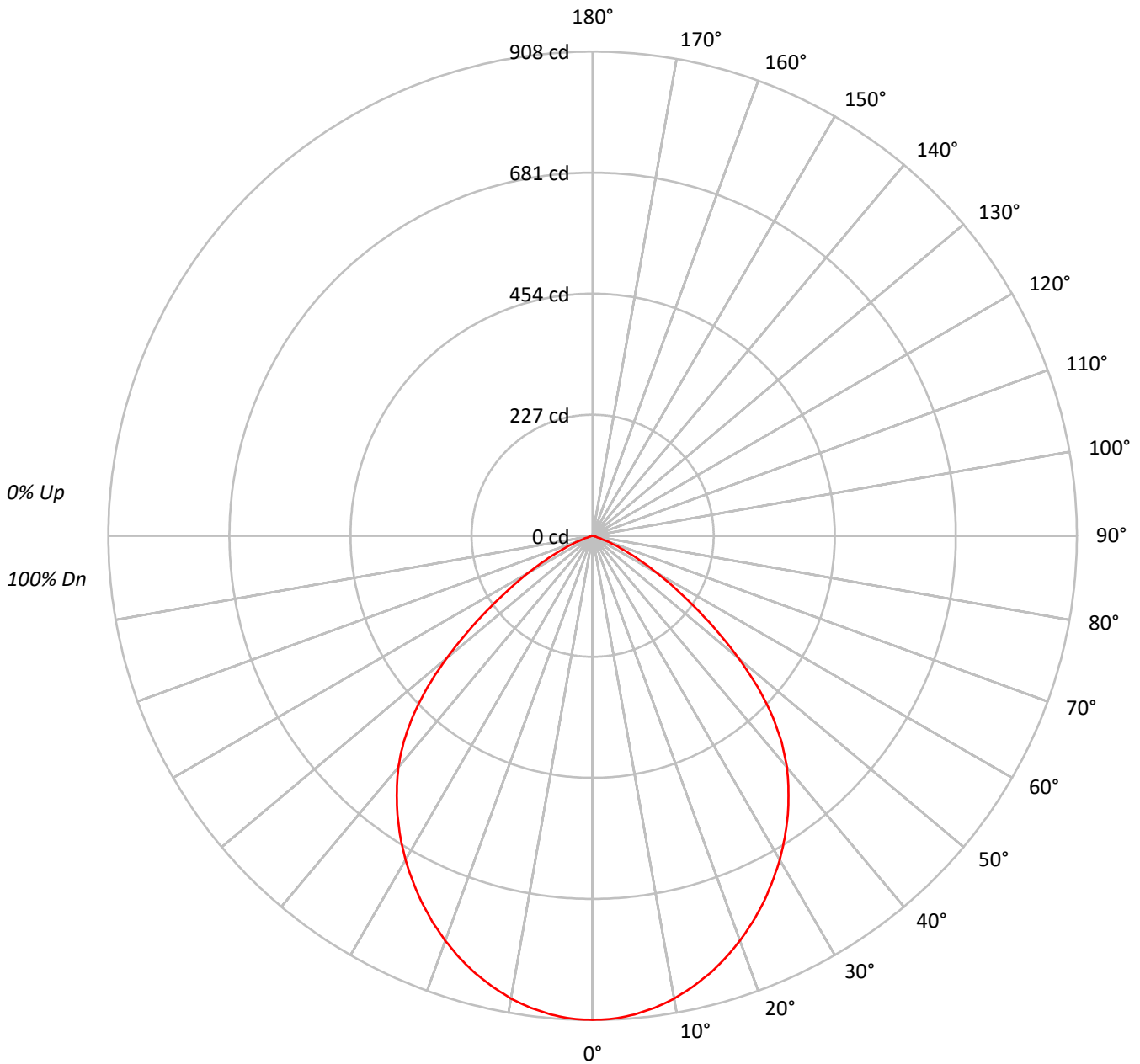
Lumens per Lamp: N/A
Luminaire Lumens: 1729.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	111539
5°	111151
10°	109929
15°	108046
20°	105623
25°	102790
30°	99557
35°	95730
40°	90900
45°	82649
50°	68232
55°	50249
60°	34104
65°	19971
70°	7902
75°	1756
80°	2335
85°	3947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	4.9
10°-20°	239.2	13.8
20°-30°	348.9	20.2
30°-40°	398.2	23.0
40°-50°	362.1	20.9
50°-60°	213.5	12.4
60°-70°	71.6	4.1
70°-80°	7.5	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°	673.5	39.0
0°-40°	1071.7	62.0
0°-60°	1647.3	95.3
0°-90°	1729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1729.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	908	
5°	901	85
15°	850	239
25°	758	349
35°	638	398
45°	476	362
55°	235	214
65°	69	72
75°	4	7
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	907.9
2.5°	906.5
5°	901.3
7.5°	892.9
10°	881.2
12.5°	866.3
15°	849.5
17.5°	829.8
20°	807.9
22.5°	784.0
25°	758.3
27.5°	730.3
30°	701.8
32.5°	670.5
35°	638.3
37.5°	603.2
40°	566.8
42.5°	524.3
45°	475.7
47.5°	419.6
50°	357.0
52.5°	294.4
55°	234.6
57.5°	183.6
60°	138.8
62.5°	100.5
65°	68.7
67.5°	42.1
70°	22.0
72.5°	8.4
75°	3.7
77.5°	3.7
80°	3.3
82.5°	2.8
85°	2.8
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)