

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: P840338

Luminaire Tested: **LDS4C25D010 EU4259027 4LBPSSQMB**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P840338
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 4LBPSSQMB
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

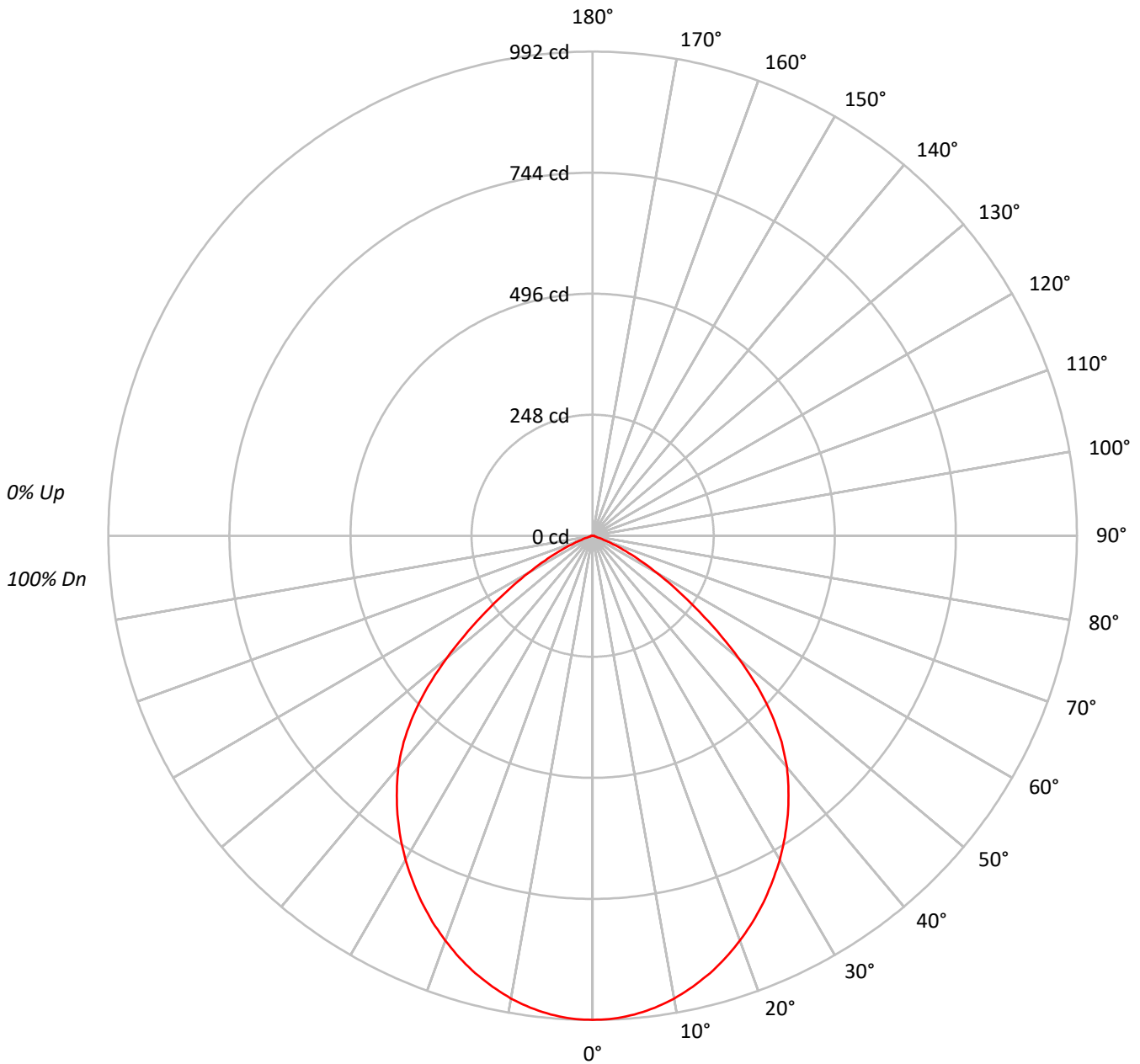
Lumens per Lamp: N/A
Luminaire Lumens: 1889.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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°	95707
5°	95376
10°	94333
15°	92710
20°	90627
25°	88205
30°	85434
35°	82136
40°	77993
45°	70916
50°	58543
55°	43116
60°	29255
65°	17123
70°	6771
75°	1528
80°	2000
85°	3432



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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)