

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: P839724

Luminaire Tested: **LDS4C10D010 EU4109035 4LBSWH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C10D010 EU4109035 4LBSWH
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

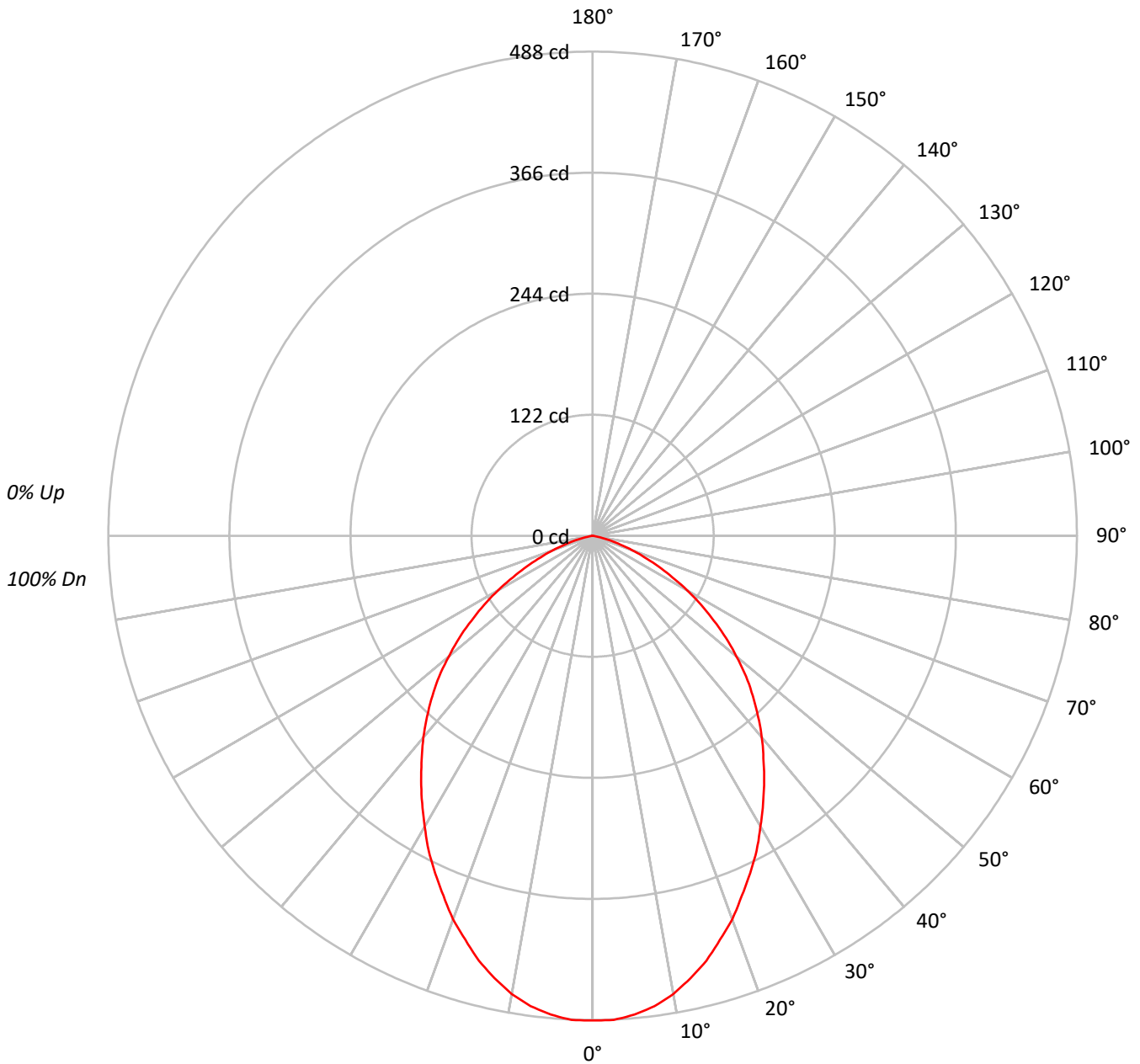
Lumens per Lamp: N/A
Luminaire Lumens: 934.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60014
5°	59738
10°	58495
15°	56369
20°	53773
25°	50873
30°	47991
35°	45188
40°	42547
45°	39665
50°	36161
55°	31936
60°	27028
65°	21221
70°	15158
75°	8307
80°	1486
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	4.9
10°-20°	124.4	13.3
20°-30°	172.7	18.5
30°-40°	188.5	20.2
40°-50°	175.8	18.8
50°-60°	133.4	14.3
60°-70°	73.1	7.8
70°-80°	20.1	2.2
80°-90°	0.3	0.0
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°	342.8	36.7
0°-40°	531.3	56.9
0°-60°	840.5	90.0
0°-90°	934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	488	
5°	484	46
15°	443	124
25°	375	173
35°	301	188
45°	228	176
55°	149	133
65°	73	73
75°	18	20
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	488.5
2.5°	488.5
5°	484.4
7.5°	478.2
10°	468.9
12.5°	456.6
15°	443.2
17.5°	426.8
20°	411.3
22.5°	392.8
25°	375.3
27.5°	357.9
30°	338.3
32.5°	319.8
35°	301.3
37.5°	282.8
40°	265.3
42.5°	246.8
45°	228.3
47.5°	209.8
50°	189.2
52.5°	169.7
55°	149.1
57.5°	129.6
60°	110.0
62.5°	90.5
65°	73.0
67.5°	56.6
70°	42.2
72.5°	28.8
75°	17.5
77.5°	8.2
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)