

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: P839630

Luminaire Tested: **LDS4C08D010 EU4089040 4LBSB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839630
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: LDS4C08D010 EU4089040 4LBSB
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBS TRIM WITH B FINISH
Light Source: -
Ballast/Driver: -

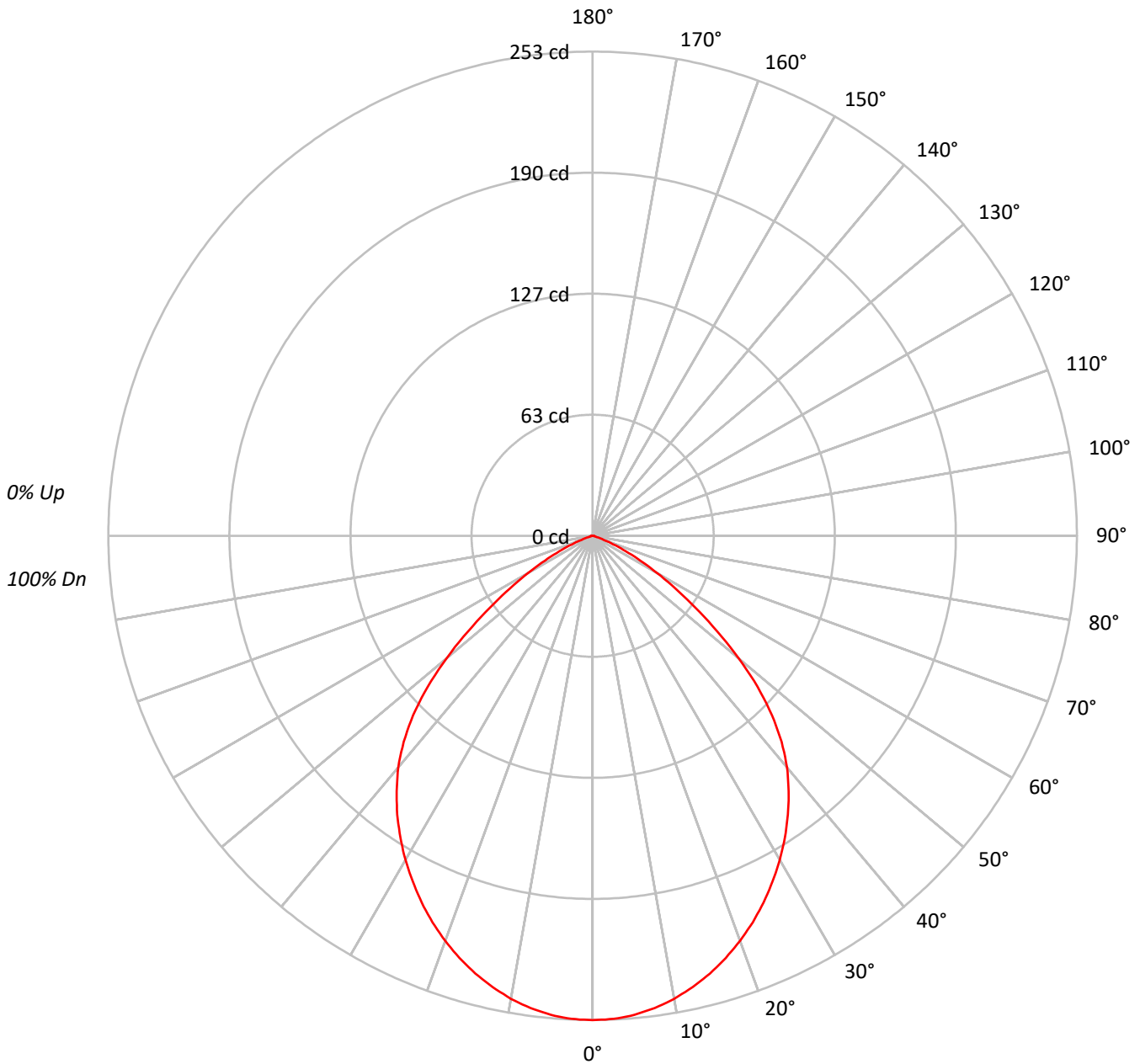
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 482.0 lumens
Efficiency: N/A
Efficacy: 48.7 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): 9.9
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	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	66	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°	31094
5°	30991
10°	30651
15°	30118
20°	29442
25°	28656
30°	27748
35°	26681
40°	25339
45°	23038
50°	19017
55°	14008
60°	9509
65°	5552
70°	2191
75°	475
80°	637
85°	1128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	4.9
10°-20°	66.7	13.8
20°-30°	97.3	20.2
30°-40°	111.0	23.0
40°-50°	100.9	20.9
50°-60°	59.5	12.4
60°-70°	19.9	4.1
70°-80°	2.0	0.4
80°-90°	0.7	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°	187.7	39.0
0°-40°	298.8	62.0
0°-60°	459.2	95.3
0°-90°	482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	253	
5°	251	24
15°	237	67
25°	211	97
35°	178	111
45°	133	101
55°	65	60
65°	19	20
75°	1	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	253.1
2.5°	252.7
5°	251.3
7.5°	248.9
10°	245.7
12.5°	241.5
15°	236.8
17.5°	231.3
20°	225.2
22.5°	218.6
25°	211.4
27.5°	203.6
30°	195.6
32.5°	186.9
35°	177.9
37.5°	168.2
40°	158.0
42.5°	146.1
45°	132.6
47.5°	117.0
50°	99.5
52.5°	82.1
55°	65.4
57.5°	51.2
60°	38.7
62.5°	28.0
65°	19.1
67.5°	11.7
70°	6.1
72.5°	2.3
75°	1.0
77.5°	1.0
80°	0.9
82.5°	0.8
85°	0.8
87.5°	0.7
90°	0.0



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— 0°-180°







(END OF REPORT)