

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: P839607

Luminaire Tested: **LDS4C08D010 EU4089030 4LBCSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839607
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 EU4089030 4LBCSMMS
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

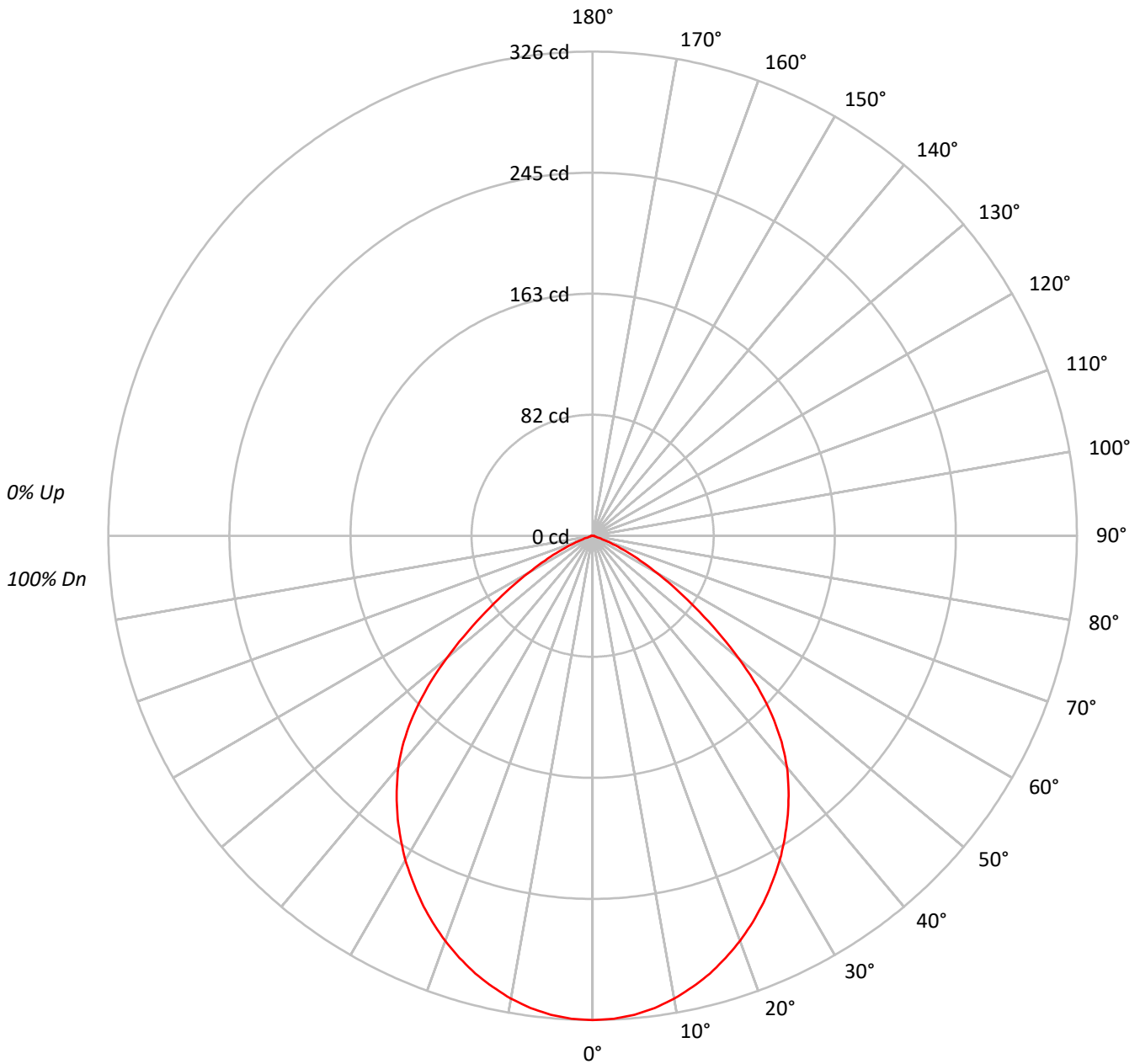
Lumens per Lamp: N/A
Luminaire Lumens: 621.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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				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	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°	40063
5°	39920
10°	39483
15°	38805
20°	37940
25°	36925
30°	35763
35°	34375
40°	32652
45°	29675
50°	24502
55°	18035
60°	12236
65°	7180
70°	2838
75°	617
80°	849
85°	1410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	4.9
10°-20°	85.9	13.8
20°-30°	125.3	20.2
30°-40°	143.0	23.0
40°-50°	130.0	20.9
50°-60°	76.7	12.3
60°-70°	25.7	4.1
70°-80°	2.7	0.4
80°-90°	0.9	0.1
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°	241.9	39.0
0°-40°	384.9	62.0
0°-60°	591.6	95.3
0°-90°	621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	326	
5°	324	31
15°	305	86
25°	272	125
35°	229	143
45°	171	130
55°	84	77
65°	25	26
75°	1	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	326.1
2.5°	325.6
5°	323.7
7.5°	320.7
10°	316.5
12.5°	311.1
15°	305.1
17.5°	298.0
20°	290.2
22.5°	281.6
25°	272.4
27.5°	262.3
30°	252.1
32.5°	240.8
35°	229.2
37.5°	216.7
40°	203.6
42.5°	188.3
45°	170.8
47.5°	150.7
50°	128.2
52.5°	105.7
55°	84.2
57.5°	66.0
60°	49.8
62.5°	36.1
65°	24.7
67.5°	15.1
70°	7.9
72.5°	3.0
75°	1.3
77.5°	1.3
80°	1.2
82.5°	1.0
85°	1.0
87.5°	0.8
90°	0.0



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— 0°-180°







(END OF REPORT)