

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: P839626

Luminaire Tested: **LDS4C08D010 EU4089040 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839626
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 4LBCSMB
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

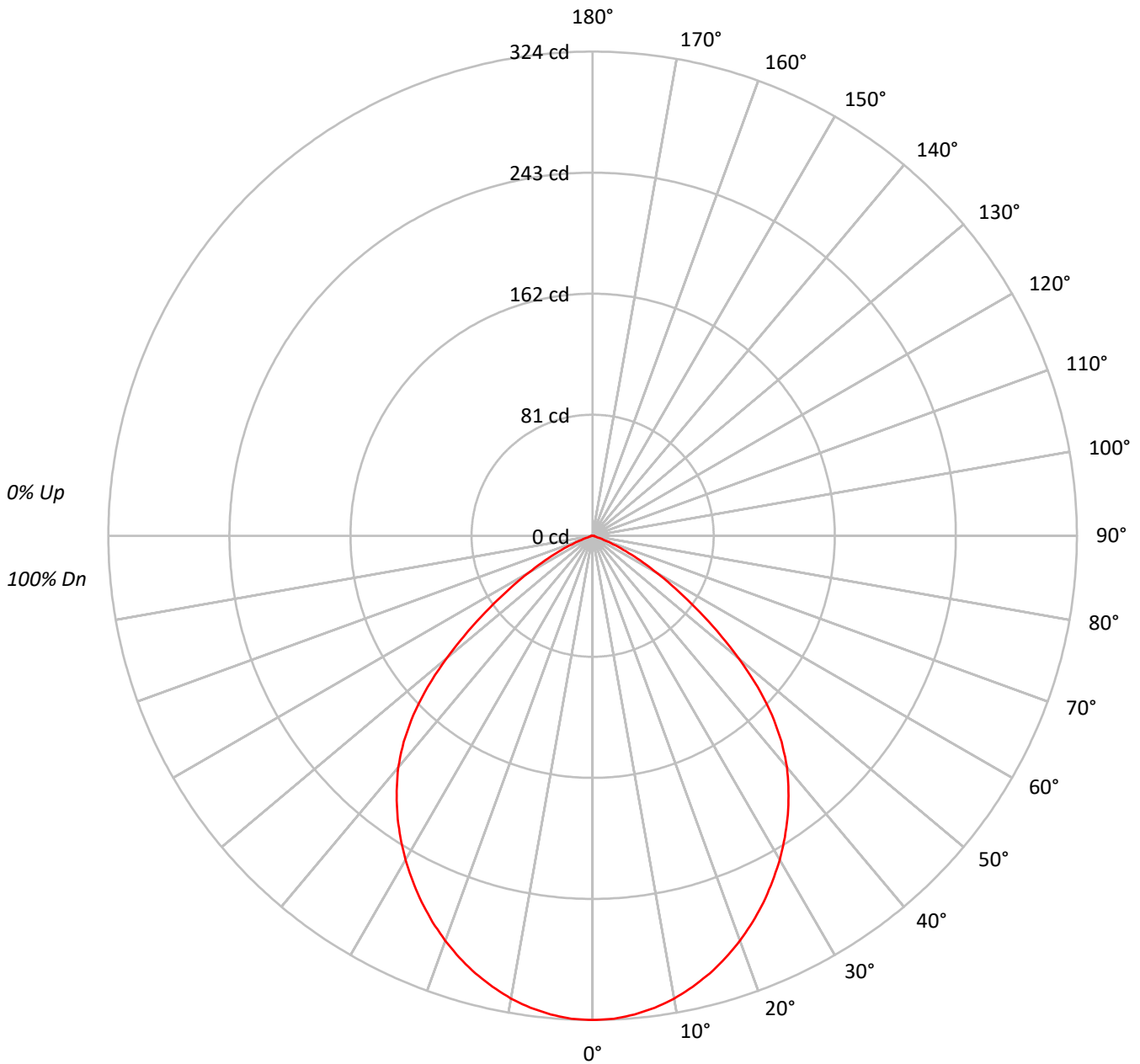
Lumens per Lamp: N/A
Luminaire Lumens: 616.9 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P839626

CATALOG NUMBER: LDS4C08D010 EU4089040 4LBCSMB

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	66	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°	39805
5°	39661
10°	39233
15°	38550
20°	37692
25°	36681
30°	35521
35°	34165
40°	32444
45°	29484
50°	24349
55°	17928
60°	12162
65°	7122
70°	2802
75°	617
80°	849
85°	1410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	4.9
10°-20°	85.4	13.8
20°-30°	124.5	20.2
30°-40°	142.1	23.0
40°-50°	129.2	20.9
50°-60°	76.2	12.3
60°-70°	25.5	4.1
70°-80°	2.6	0.4
80°-90°	0.9	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°	240.3	39.0
0°-40°	382.5	62.0
0°-60°	587.8	95.3
0°-90°	616.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	324	
5°	322	30
15°	303	85
25°	271	124
35°	228	142
45°	170	129
55°	84	76
65°	24	26
75°	1	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	324.0
2.5°	323.5
5°	321.6
7.5°	318.6
10°	314.5
12.5°	309.1
15°	303.1
17.5°	296.1
20°	288.3
22.5°	279.8
25°	270.6
27.5°	260.6
30°	250.4
32.5°	239.3
35°	227.8
37.5°	215.3
40°	202.3
42.5°	187.1
45°	169.7
47.5°	149.7
50°	127.4
52.5°	105.0
55°	83.7
57.5°	65.5
60°	49.5
62.5°	35.8
65°	24.5
67.5°	15.0
70°	7.8
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)