

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: P839161

Luminaire Tested: **LD4C08D010 EU4089027 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C08D010 EU4089027 4LBPSMW
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

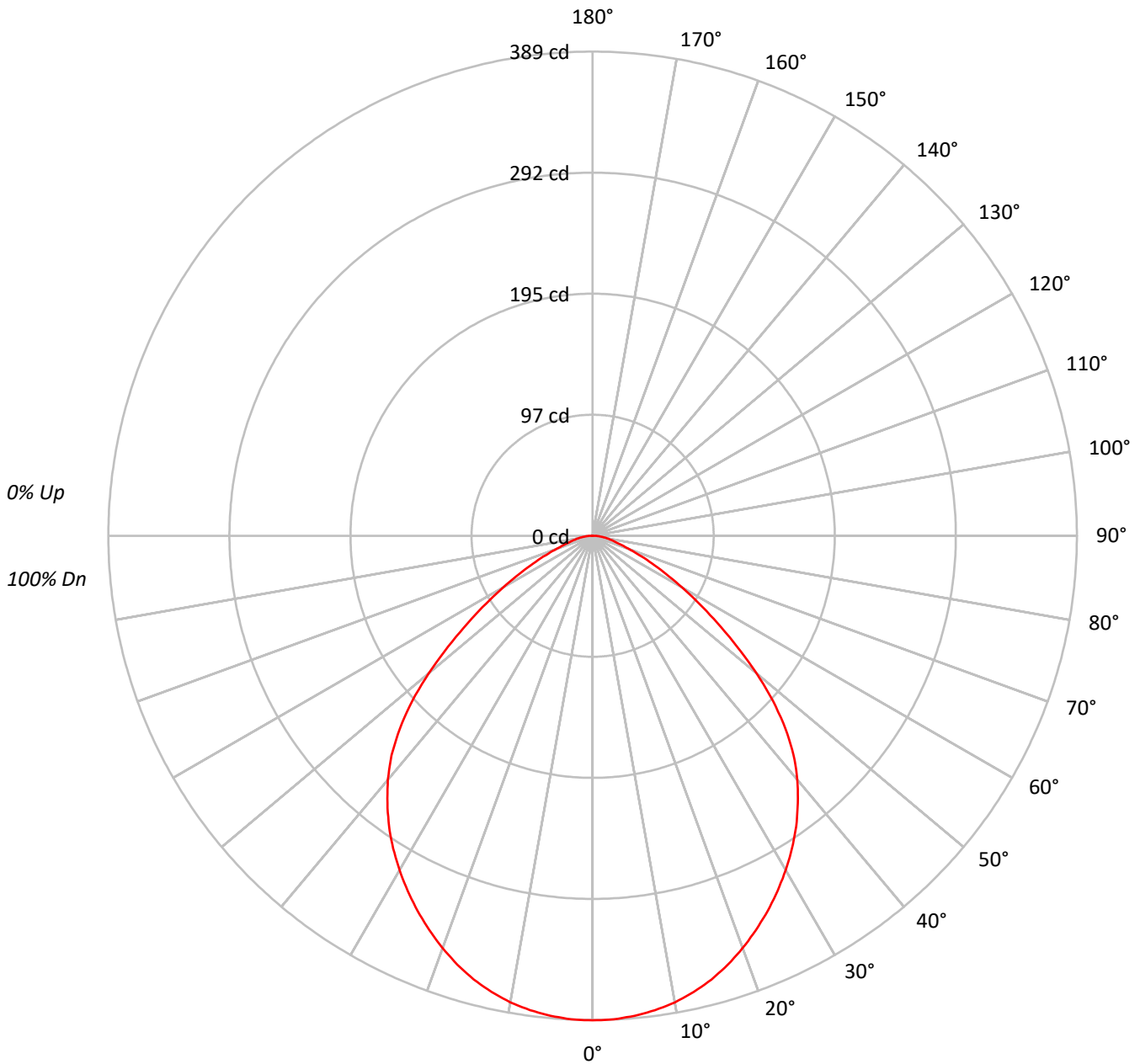
Lumens per Lamp: N/A
Luminaire Lumens: 830.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47827
5°	47738
10°	47479
15°	46932
20°	46085
25°	45085
30°	44005
35°	42758
40°	41040
45°	38067
50°	32797
55°	26152
60°	20369
65°	15232
70°	11063
75°	8781
80°	8207
85°	8176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	4.4
10°-20°	103.9	12.5
20°-30°	153.2	18.5
30°-40°	177.9	21.4
40°-50°	167.3	20.2
50°-60°	110.7	13.3
60°-70°	53.3	6.4
70°-80°	20.6	2.5
80°-90°	6.4	0.8
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°	293.8	35.4
0°-40°	471.7	56.8
0°-60°	749.7	90.3
0°-90°	830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	830.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	389	
5°	387	37
15°	369	104
25°	333	153
35°	285	178
45°	219	167
55°	122	111
65°	52	53
75°	18	21
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	389.3
2.5°	388.9
5°	387.1
7.5°	384.5
10°	380.6
12.5°	375.4
15°	369.0
17.5°	361.3
20°	352.5
22.5°	342.8
25°	332.6
27.5°	321.7
30°	310.2
32.5°	298.1
35°	285.1
37.5°	270.8
40°	255.9
42.5°	239.0
45°	219.1
47.5°	196.6
50°	171.6
52.5°	146.2
55°	122.1
57.5°	101.4
60°	82.9
62.5°	66.3
65°	52.4
67.5°	40.7
70°	30.8
72.5°	23.4
75°	18.5
77.5°	15.0
80°	11.6
82.5°	8.6
85°	5.8
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)