

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: P839266

Luminaire Tested: **LD4C35D010 EU4359027 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839266
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: LD4C35D010 EU4359027 4LBPSMW
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

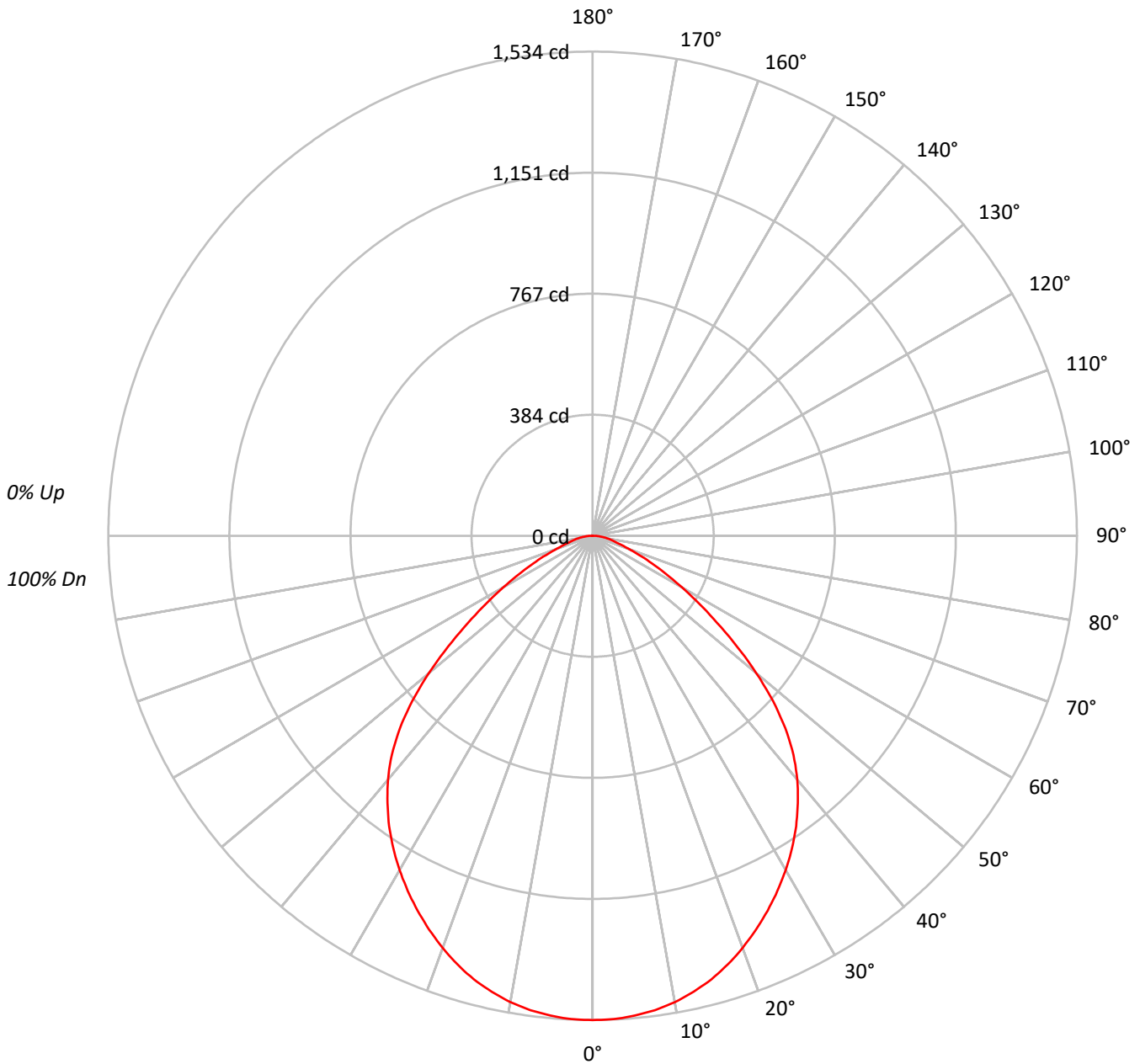
Lumens per Lamp: N/A
Luminaire Lumens: 3272.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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°	188519
5°	188215
10°	187185
15°	185032
20°	181660
25°	177738
30°	173494
35°	168543
40°	161769
45°	150060
50°	129278
55°	103110
60°	80272
65°	60087
70°	43607
75°	34556
80°	32403
85°	32280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	4.4
10°-20°	409.7	12.5
20°-30°	603.7	18.5
30°-40°	701.4	21.4
40°-50°	659.3	20.1
50°-60°	436.4	13.3
60°-70°	210.3	6.4
70°-80°	81.1	2.5
80°-90°	25.3	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°	1158.3	35.4
0°-40°	1859.7	56.8
0°-60°	2955.3	90.3
0°-90°	3272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3272.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1534	
5°	1526	145
15°	1455	410
25°	1311	604
35°	1124	701
45°	864	659
55°	481	436
65°	207	210
75°	73	81
85°	23	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1534.5
2.5°	1533.1
5°	1526.2
7.5°	1515.8
10°	1500.5
12.5°	1479.7
15°	1454.8
17.5°	1424.2
20°	1389.5
22.5°	1351.4
25°	1311.2
27.5°	1268.1
30°	1223.0
32.5°	1175.2
35°	1123.8
37.5°	1067.7
40°	1008.7
42.5°	942.1
45°	863.7
47.5°	774.9
50°	676.4
52.5°	576.5
55°	481.4
57.5°	399.6
60°	326.7
62.5°	261.5
65°	206.7
67.5°	160.3
70°	121.4
72.5°	92.3
75°	72.8
77.5°	59.0
80°	45.8
82.5°	34.0
85°	22.9
87.5°	13.2
90°	0.0



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— 0°-180°







(END OF REPORT)