

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: P839392

Luminaire Tested: **LD4C75D010 EU4759035 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839392
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: LD4C75D010 EU4759035 4LBPSMW
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

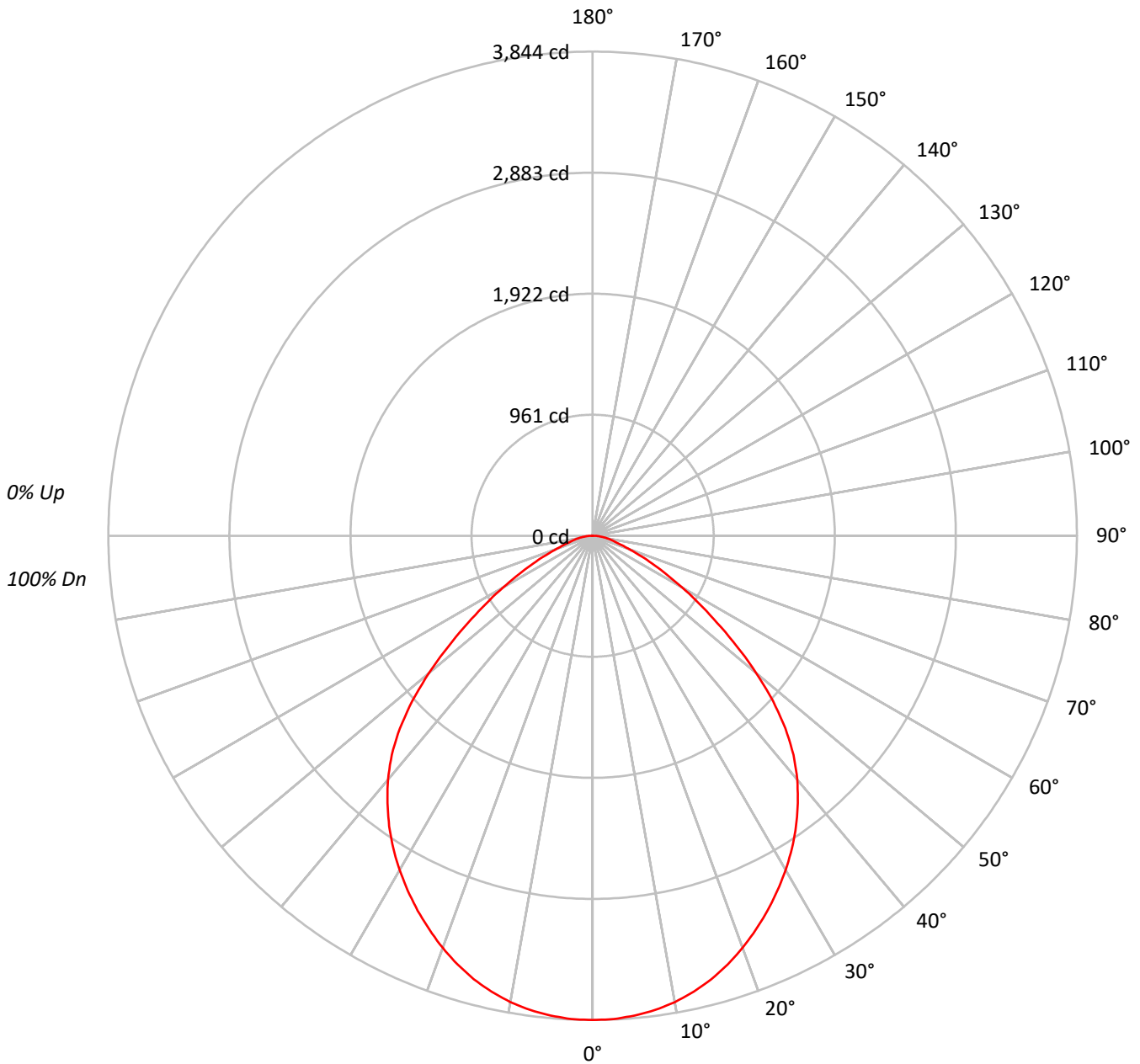
Lumens per Lamp: N/A
Luminaire Lumens: 8197.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66																			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51																			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46																			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41																			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37																			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33																			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	472286
5°	471512
10°	468943
15°	463521
20°	455112
25°	445254
30°	434656
35°	422244
40°	405265
45°	375924
50°	323863
55°	258333
60°	201136
65°	150552
70°	109233
75°	86627
80°	81149
85°	80910



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.0	4.4
10°-20°	1026.4	12.5
20°-30°	1512.5	18.5
30°-40°	1757.0	21.4
40°-50°	1651.6	20.1
50°-60°	1093.2	13.3
60°-70°	526.8	6.4
70°-80°	203.1	2.5
80°-90°	63.4	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°	2901.8	35.4
0°-40°	4658.9	56.8
0°-60°	7403.7	90.3
0°-90°	8197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8197.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3844	
5°	3823	363
15°	3644	1026
25°	3285	1513
35°	2815	1757
45°	2164	1652
55°	1206	1093
65°	518	527
75°	182	203
85°	57	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3844.3
2.5°	3840.8
5°	3823.4
7.5°	3797.4
10°	3759.1
12.5°	3707.0
15°	3644.4
17.5°	3568.0
20°	3481.1
22.5°	3385.5
25°	3284.7
27.5°	3176.9
30°	3064.0
32.5°	2944.1
35°	2815.4
37.5°	2674.7
40°	2527.0
42.5°	2360.1
45°	2163.7
47.5°	1941.3
50°	1694.5
52.5°	1444.2
55°	1206.1
57.5°	1001.0
60°	818.6
62.5°	655.2
65°	517.9
67.5°	401.5
70°	304.1
72.5°	231.1
75°	182.5
77.5°	147.7
80°	114.7
82.5°	85.2
85°	57.4
87.5°	33.0
90°	0.0



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— 0°-180°







(END OF REPORT)