

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: P839293

Luminaire Tested: **LD4C40D010 EU4409050 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839293
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: LD4C40D010 EU4409050 4LBPSMW
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

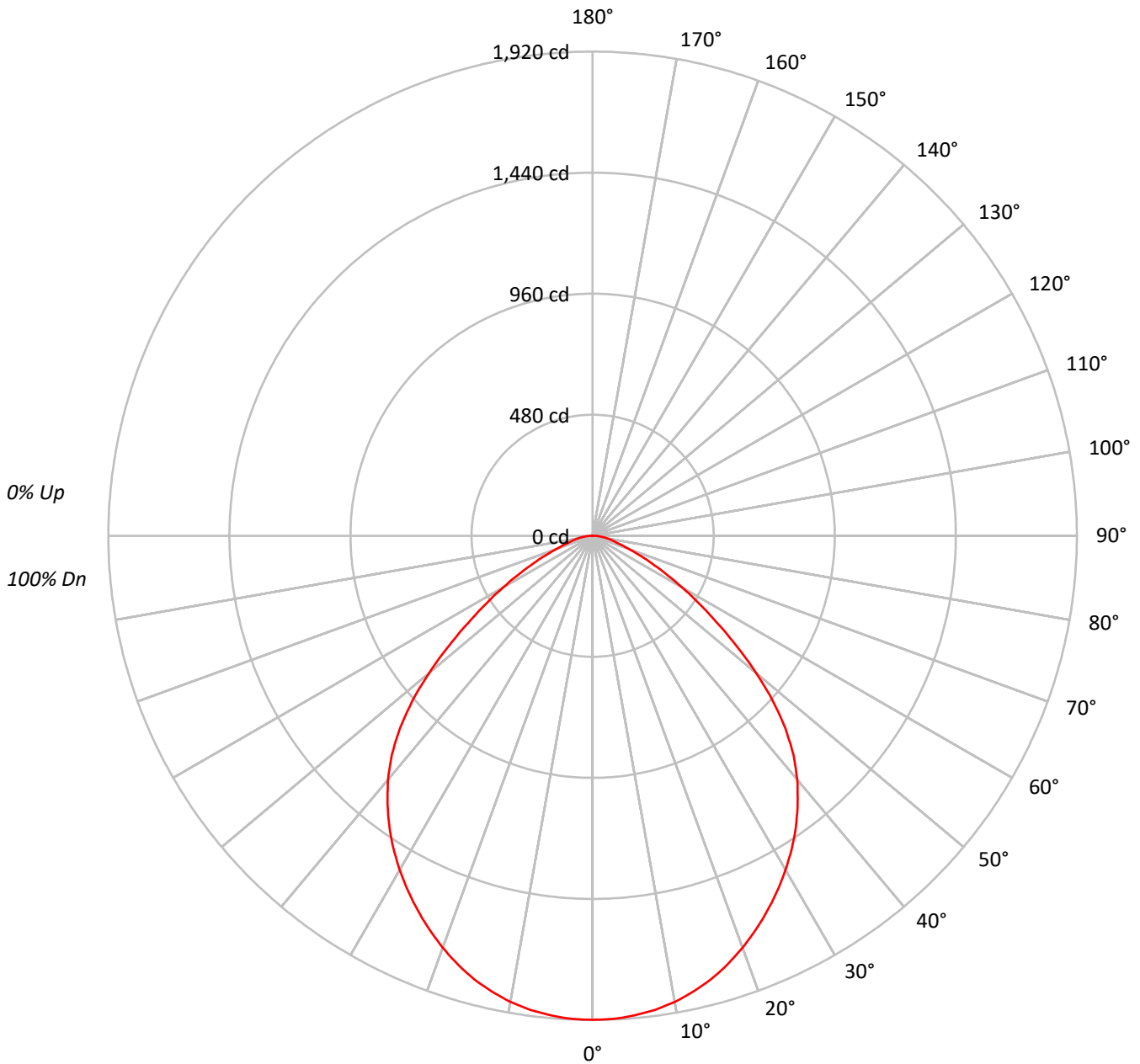
Lumens per Lamp: N/A
Luminaire Lumens: 4093.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	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°	235830
5°	235448
10°	234166
15°	231455
20°	227249
25°	222322
30°	217030
35°	210837
40°	202360
45°	187710
50°	161712
55°	129006
60°	100420
65°	75174
70°	54562
75°	43242
80°	40539
85°	40314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	4.4
10°-20°	512.5	12.5
20°-30°	755.2	18.5
30°-40°	877.3	21.4
40°-50°	824.7	20.1
50°-60°	545.9	13.3
60°-70°	263.1	6.4
70°-80°	101.4	2.5
80°-90°	31.6	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°	1449.0	35.4
0°-40°	2326.3	56.8
0°-60°	3696.9	90.3
0°-90°	4093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4093.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1920	
5°	1909	181
15°	1820	512
25°	1640	755
35°	1406	877
45°	1080	825
55°	602	546
65°	259	263
75°	91	101
85°	29	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1919.6
2.5°	1917.8
5°	1909.2
7.5°	1896.1
10°	1877.1
12.5°	1851.0
15°	1819.8
17.5°	1781.6
20°	1738.2
22.5°	1690.5
25°	1640.1
27.5°	1586.3
30°	1529.9
32.5°	1470.1
35°	1405.8
37.5°	1335.5
40°	1261.8
42.5°	1178.5
45°	1080.4
47.5°	969.3
50°	846.1
52.5°	721.1
55°	602.3
57.5°	499.9
60°	408.7
62.5°	327.2
65°	258.6
67.5°	200.5
70°	151.9
72.5°	115.4
75°	91.1
77.5°	73.8
80°	57.3
82.5°	42.5
85°	28.6
87.5°	16.5
90°	0.0



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— 0°-180°







(END OF REPORT)