

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: P839281

Luminaire Tested: **LD4C40D010 EU4409027 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839281
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 EU4409027 4LBPSMW
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

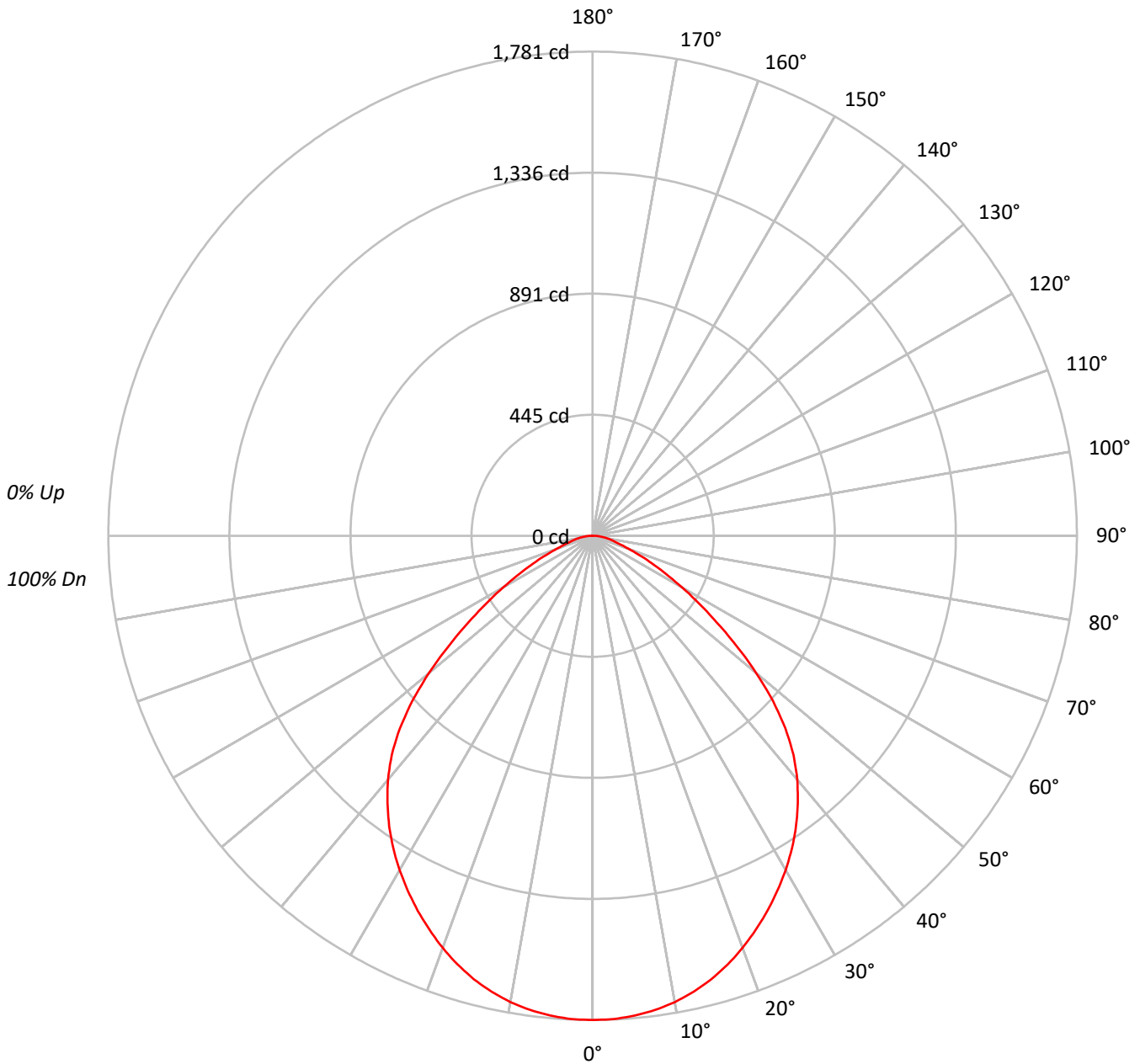
Lumens per Lamp: N/A
Luminaire Lumens: 3798.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	218827
5°	218479
10°	217287
15°	214768
20°	210867
25°	206299
30°	201397
35°	195644
40°	187766
45°	174175
50°	150053
55°	119689
60°	93197
65°	69767
70°	50611
75°	40157
80°	37567
85°	37495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	4.4
10°-20°	475.6	12.5
20°-30°	700.8	18.5
30°-40°	814.1	21.4
40°-50°	765.2	20.1
50°-60°	506.5	13.3
60°-70°	244.1	6.4
70°-80°	94.1	2.5
80°-90°	29.4	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°	1344.5	35.4
0°-40°	2158.6	56.8
0°-60°	3430.4	90.3
0°-90°	3798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3798.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1781	
5°	1772	168
15°	1689	476
25°	1522	701
35°	1304	814
45°	1002	765
55°	559	507
65°	240	244
75°	85	94
85°	27	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1781.2
2.5°	1779.6
5°	1771.6
7.5°	1759.5
10°	1741.8
12.5°	1717.6
15°	1688.6
17.5°	1653.2
20°	1612.9
22.5°	1568.6
25°	1521.9
27.5°	1472.0
30°	1419.7
32.5°	1364.1
35°	1304.5
37.5°	1239.3
40°	1170.8
42.5°	1093.5
45°	1002.5
47.5°	899.5
50°	785.1
52.5°	669.2
55°	558.8
57.5°	463.8
60°	379.3
62.5°	303.6
65°	240.0
67.5°	186.0
70°	140.9
72.5°	107.1
75°	84.6
77.5°	68.4
80°	53.1
82.5°	39.5
85°	26.6
87.5°	15.3
90°	0.0



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— 0°-180°







(END OF REPORT)