

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: P839380

Luminaire Tested: **LD4C70D010 EU4709040 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839380
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: LD4C70D010 EU4709040 4LBPSMW
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

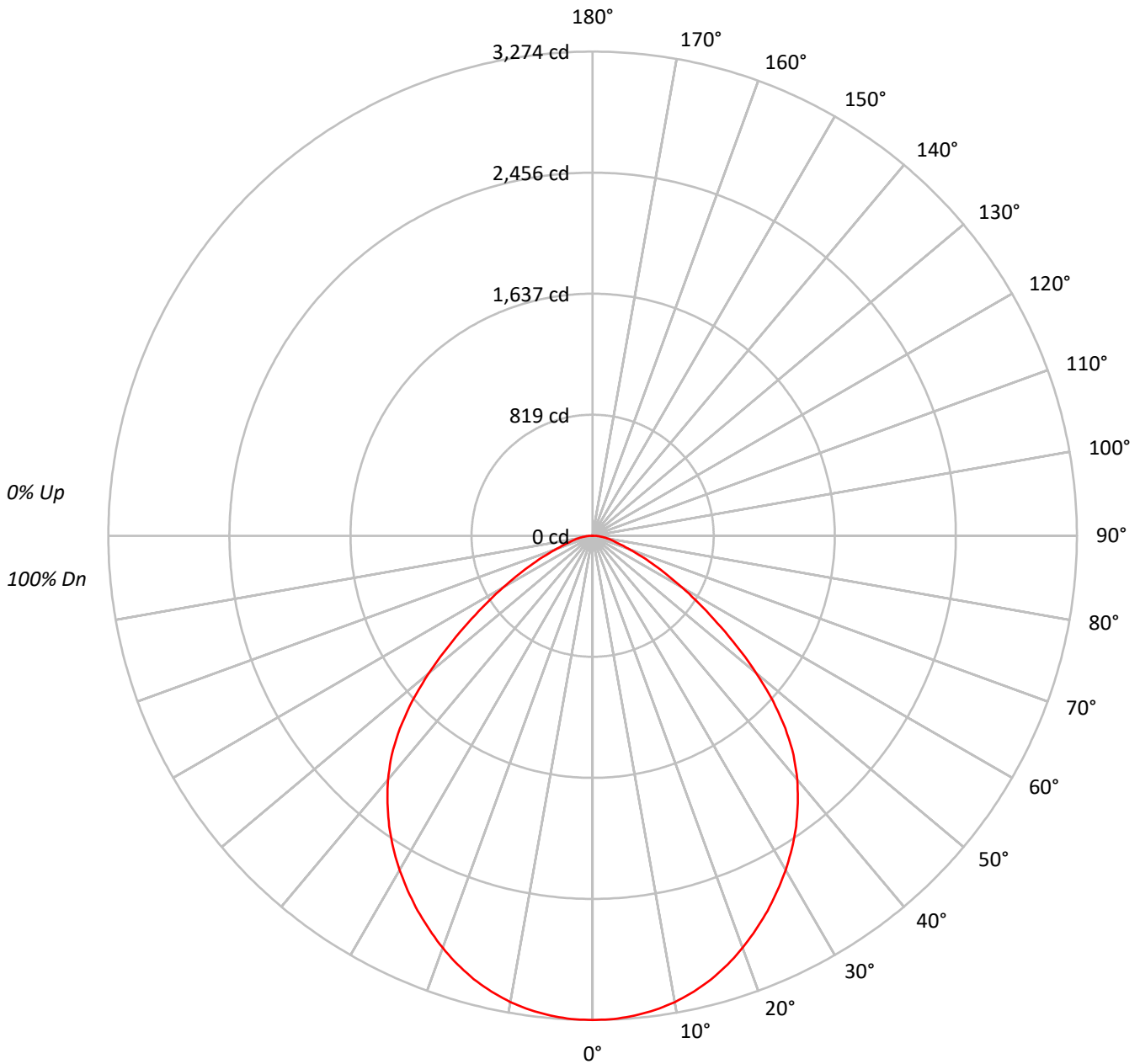
Lumens per Lamp: N/A
Luminaire Lumens: 6982.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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°	402284
5°	401625
10°	399433
15°	394815
20°	387651
25°	379252
30°	370224
35°	359658
40°	345189
45°	320205
50°	275852
55°	220036
60°	171307
65°	128226
70°	93069
75°	73764
80°	69121
85°	68929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.2	4.4
10°-20°	874.2	12.5
20°-30°	1288.3	18.5
30°-40°	1496.6	21.4
40°-50°	1406.8	20.1
50°-60°	931.2	13.3
60°-70°	448.7	6.4
70°-80°	173.0	2.5
80°-90°	54.0	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°	2471.7	35.4
0°-40°	3968.3	56.8
0°-60°	6306.2	90.3
0°-90°	6982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6982.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3274	
5°	3257	309
15°	3104	874
25°	2798	1288
35°	2398	1497
45°	1843	1407
55°	1027	931
65°	441	449
75°	155	173
85°	49	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3274.5
2.5°	3271.5
5°	3256.7
7.5°	3234.5
10°	3201.9
12.5°	3157.5
15°	3104.2
17.5°	3039.1
20°	2965.1
22.5°	2883.7
25°	2797.8
27.5°	2706.0
30°	2609.8
32.5°	2507.7
35°	2398.1
37.5°	2278.2
40°	2152.4
42.5°	2010.3
45°	1843.0
47.5°	1653.5
50°	1443.3
52.5°	1230.2
55°	1027.3
57.5°	852.7
60°	697.2
62.5°	558.1
65°	441.1
67.5°	342.0
70°	259.1
72.5°	196.9
75°	155.4
77.5°	125.8
80°	97.7
82.5°	72.5
85°	48.9
87.5°	28.1
90°	0.0



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— 0°-180°







(END OF REPORT)