

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: P839383

Luminaire Tested: **LD4C70D010 EU4709050 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839383
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 EU4709050 4LBPSMW
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

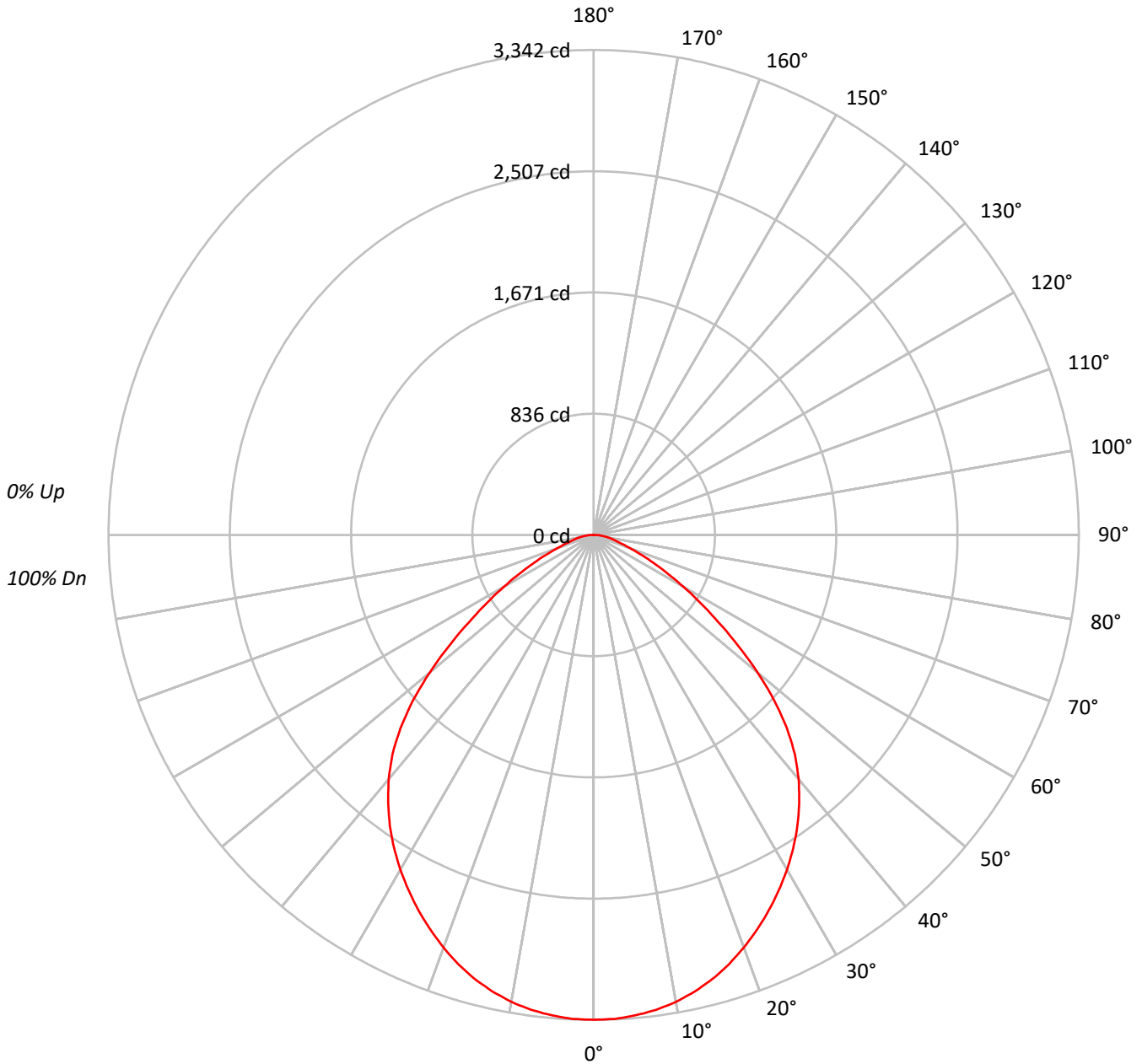
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7125.0 lumens
Efficiency: N/A
Efficacy: 91.3 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			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°	410515
5°	409851
10°	407616
15°	402904
20°	395587
25°	387020
30°	377813
35°	367022
40°	352261
45°	326772
50°	281510
55°	224555
60°	174820
65°	130871
70°	94972
75°	75283
80°	70536
85°	70338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.5	4.4
10°-20°	892.1	12.5
20°-30°	1314.7	18.5
30°-40°	1527.2	21.4
40°-50°	1435.6	20.1
50°-60°	950.3	13.3
60°-70°	457.9	6.4
70°-80°	176.6	2.5
80°-90°	55.1	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°	2522.3	35.4
0°-40°	4049.6	56.8
0°-60°	6435.4	90.3
0°-90°	7125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7125.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3342	
5°	3323	315
15°	3168	892
25°	2855	1315
35°	2447	1527
45°	1881	1436
55°	1048	950
65°	450	458
75°	159	177
85°	50	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3341.5
2.5°	3338.5
5°	3323.4
7.5°	3300.8
10°	3267.5
12.5°	3222.2
15°	3167.8
17.5°	3101.4
20°	3025.8
22.5°	2942.7
25°	2855.1
27.5°	2761.5
30°	2663.3
32.5°	2559.0
35°	2447.2
37.5°	2324.9
40°	2196.5
42.5°	2051.5
45°	1880.8
47.5°	1687.4
50°	1472.9
52.5°	1255.3
55°	1048.4
57.5°	870.1
60°	711.5
62.5°	569.5
65°	450.2
67.5°	349.0
70°	264.4
72.5°	200.9
75°	158.6
77.5°	128.4
80°	99.7
82.5°	74.0
85°	49.9
87.5°	28.7
90°	0.0



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— 0°-180°







(END OF REPORT)