

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: P839341

Luminaire Tested: **LD4C60D010 EU4609027 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839341
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: LD4C60D010 EU4609027 4LBPSMW
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

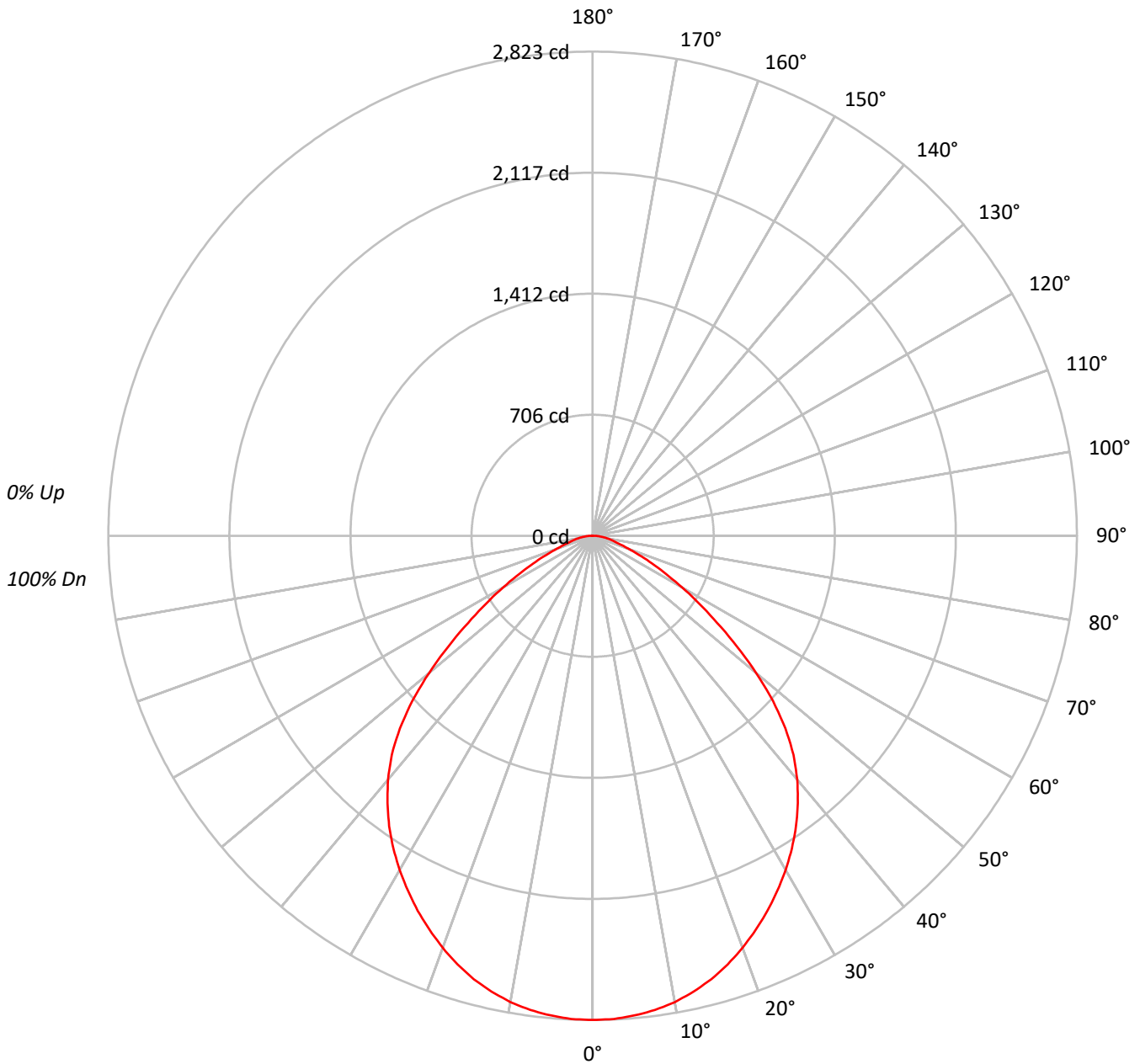
Lumens per Lamp: N/A
Luminaire Lumens: 6019.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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°	346791
5°	346229
10°	344344
15°	340366
20°	334179
25°	326942
30°	319169
35°	310061
40°	297574
45°	276040
50°	237799
55°	189685
60°	147694
65°	110552
70°	80209
75°	63606
80°	59570
85°	59344



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.5	4.4
10°-20°	753.6	12.5
20°-30°	1110.6	18.5
30°-40°	1290.2	21.4
40°-50°	1212.7	20.1
50°-60°	802.8	13.3
60°-70°	386.8	6.4
70°-80°	149.2	2.5
80°-90°	46.5	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°	2130.8	35.4
0°-40°	3421.0	56.8
0°-60°	5436.5	90.3
0°-90°	6019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6019.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2823	
5°	2808	267
15°	2676	754
25°	2412	1111
35°	2067	1290
45°	1589	1213
55°	886	803
65°	380	387
75°	134	149
85°	42	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2822.8
2.5°	2820.3
5°	2807.5
7.5°	2788.4
10°	2760.3
12.5°	2722.0
15°	2676.1
17.5°	2619.9
20°	2556.1
22.5°	2485.9
25°	2411.9
27.5°	2332.8
30°	2249.9
32.5°	2161.8
35°	2067.4
37.5°	1964.0
40°	1855.5
42.5°	1733.0
45°	1588.8
47.5°	1425.5
50°	1244.2
52.5°	1060.5
55°	885.6
57.5°	735.1
60°	601.1
62.5°	481.1
65°	380.3
67.5°	294.8
70°	223.3
72.5°	169.7
75°	134.0
77.5°	108.5
80°	84.2
82.5°	62.5
85°	42.1
87.5°	24.2
90°	0.0



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— 0°-180°







(END OF REPORT)