

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: P839355

Luminaire Tested: **LD4C60D010 EU4609050 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EU4609050 4LBSLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

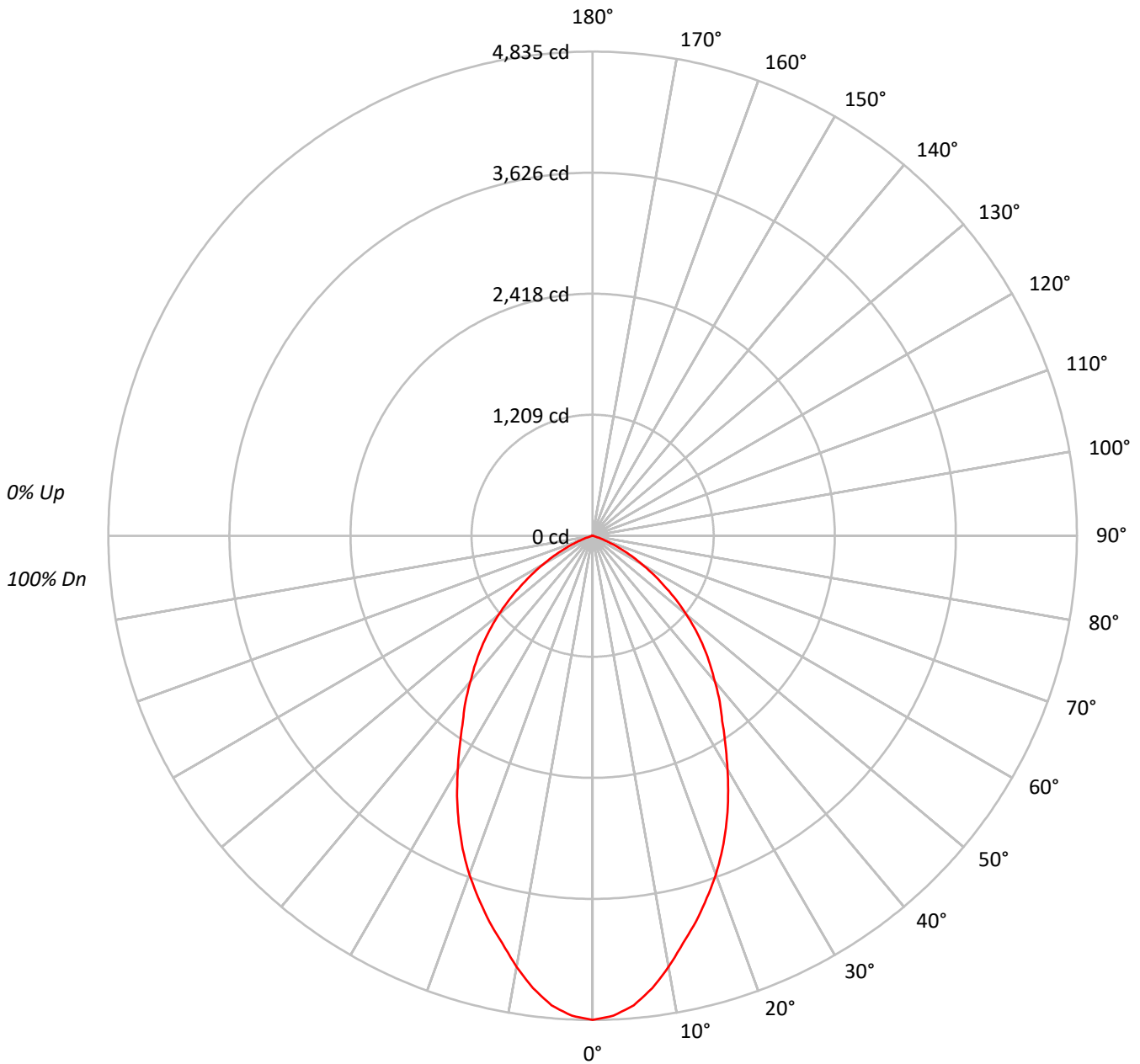
Lumens per Lamp: N/A
Luminaire Lumens: 6771.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51		
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593960
5°	580505
10°	545139
15°	507185
20°	470382
25°	428784
30°	381742
35°	338362
40°	304133
45°	272200
50°	233499
55°	187843
60°	139955
65°	89360
70°	43068
75°	7120
80°	5235
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.4	6.5
10°-20°	1118.0	16.5
20°-30°	1448.8	21.4
30°-40°	1419.5	21.0
40°-50°	1203.2	17.8
50°-60°	788.8	11.6
60°-70°	317.0	4.7
70°-80°	36.2	0.5
80°-90°	1.0	0.0
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°	3005.2	44.4
0°-40°	4424.7	65.3
0°-60°	6416.7	94.8
0°-90°	6771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6771.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4835	
5°	4707	438
15°	3988	1118
25°	3163	1449
35°	2256	1420
45°	1567	1203
55°	877	789
65°	307	317
75°	15	36
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4834.7
2.5°	4797.2
5°	4707.2
7.5°	4557.3
10°	4369.9
12.5°	4167.6
15°	3987.7
17.5°	3792.9
20°	3597.9
22.5°	3388.1
25°	3163.2
27.5°	2930.8
30°	2691.0
32.5°	2466.1
35°	2256.1
37.5°	2083.9
40°	1896.4
42.5°	1731.5
45°	1566.7
47.5°	1394.2
50°	1221.7
52.5°	1049.5
55°	877.0
57.5°	719.6
60°	569.6
62.5°	434.7
65°	307.4
67.5°	202.4
70°	119.9
72.5°	52.4
75°	15.0
77.5°	7.4
80°	7.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)