

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: P839352

Luminaire Tested: **LD4C60D010 EU4609040 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839352
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 EU4609040 4LBSLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

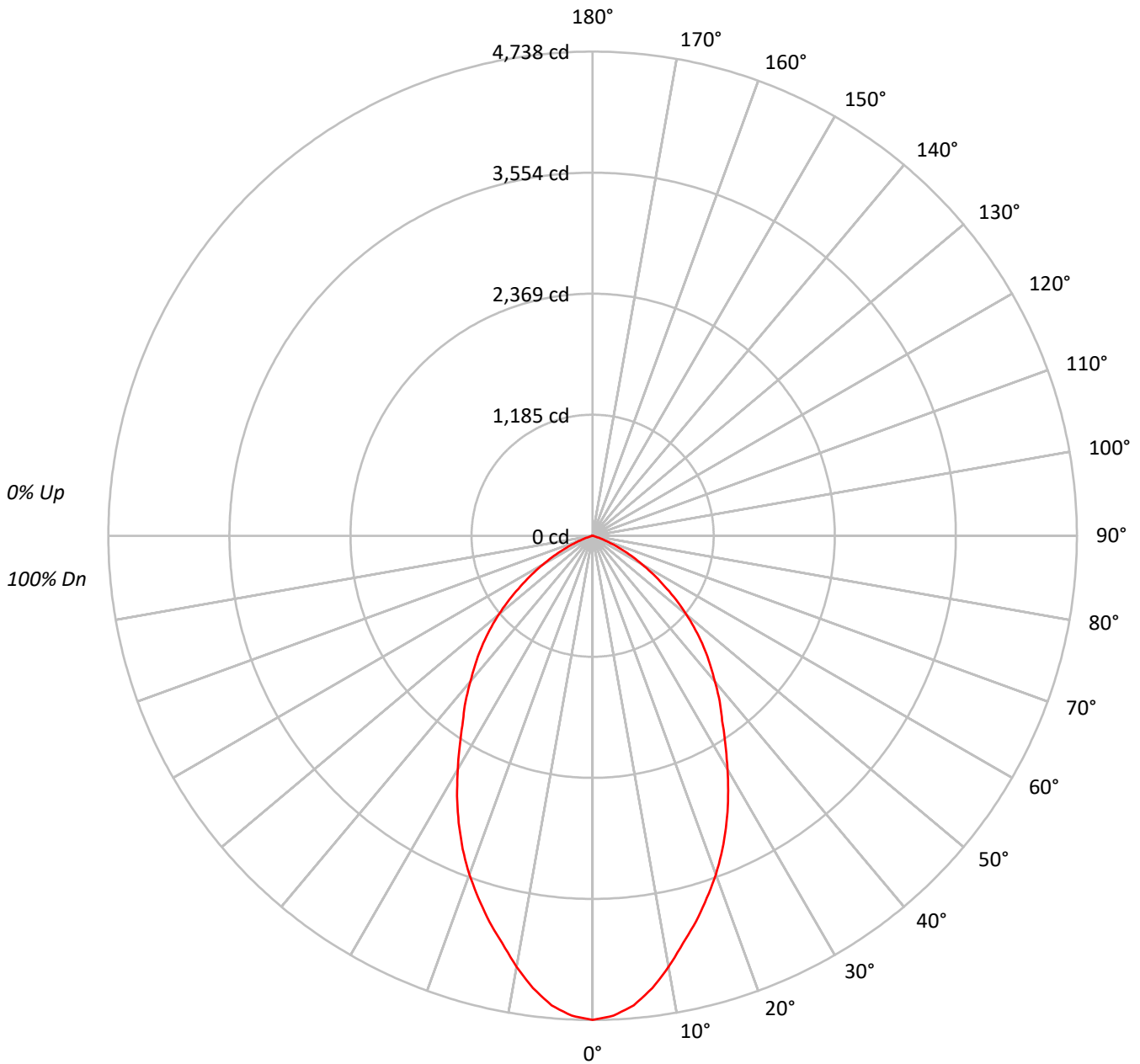
Lumens per Lamp: N/A
Luminaire Lumens: 6635.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	582031
5°	568851
10°	534199
15°	496997
20°	460943
25°	420176
30°	374082
35°	331568
40°	298023
45°	266727
50°	228816
55°	184074
60°	137154
65°	87558
70°	42206
75°	6978
80°	5165
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.6	6.5
10°-20°	1095.6	16.5
20°-30°	1419.7	21.4
30°-40°	1391.0	21.0
40°-50°	1179.1	17.8
50°-60°	772.9	11.6
60°-70°	310.7	4.7
70°-80°	35.5	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°	2944.9	44.4
0°-40°	4335.9	65.3
0°-60°	6287.9	94.8
0°-90°	6635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6635.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4738	
5°	4613	430
15°	3908	1096
25°	3100	1420
35°	2211	1391
45°	1535	1179
55°	859	773
65°	301	311
75°	15	36
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4737.6
2.5°	4700.8
5°	4612.7
7.5°	4465.7
10°	4282.2
12.5°	4083.8
15°	3907.6
17.5°	3716.7
20°	3525.7
22.5°	3320.1
25°	3099.7
27.5°	2871.9
30°	2637.0
32.5°	2416.6
35°	2210.8
37.5°	2042.0
40°	1858.3
42.5°	1696.7
45°	1535.2
47.5°	1366.2
50°	1197.2
52.5°	1028.4
55°	859.4
57.5°	705.1
60°	558.2
62.5°	426.0
65°	301.2
67.5°	198.3
70°	117.5
72.5°	51.4
75°	14.7
77.5°	7.3
80°	7.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)