

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: P839340

Luminaire Tested: **LD4C55D010 EU4559050 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839340
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: LD4C55D010 EU4559050 4LBSLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

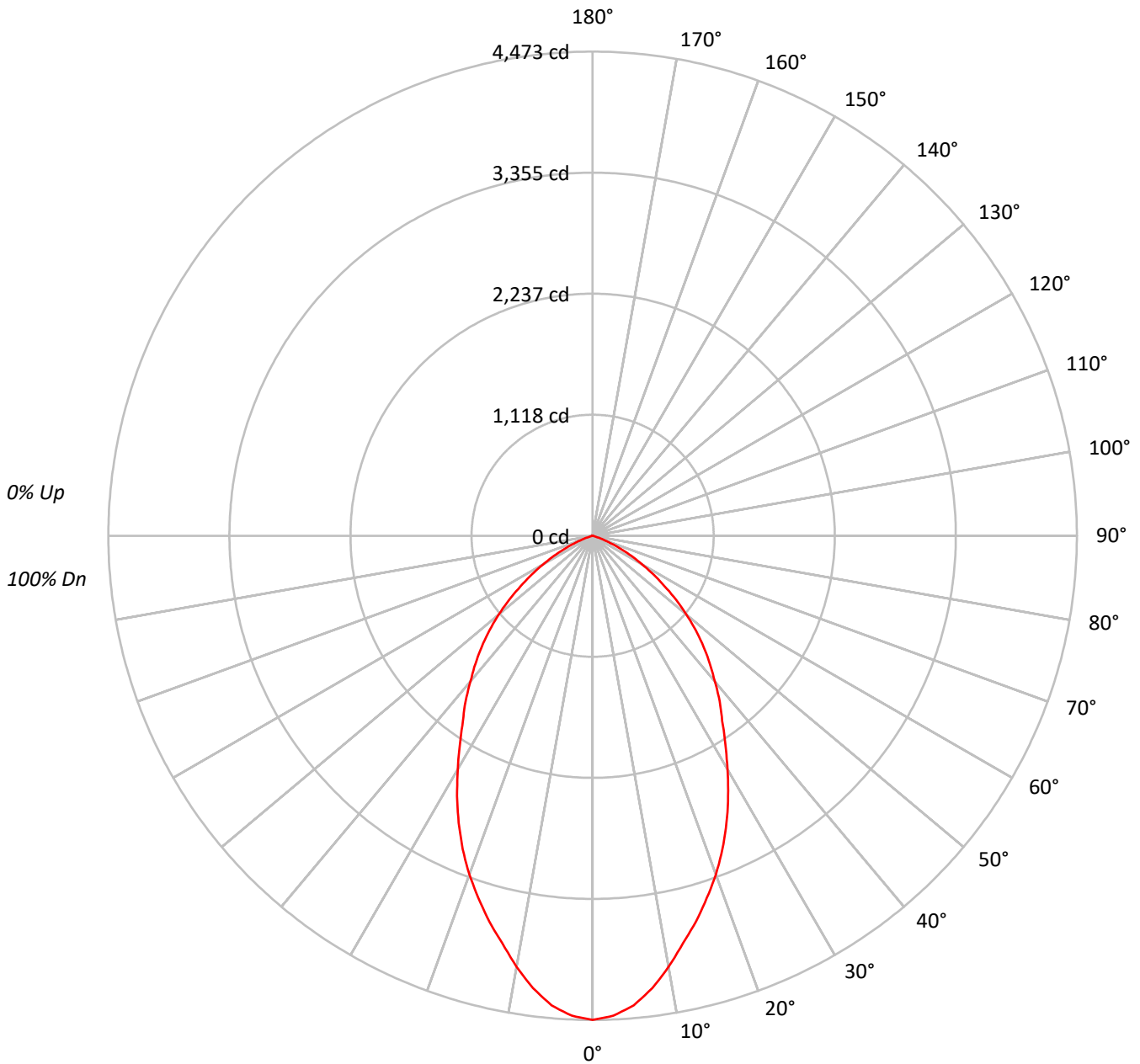
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6264.0 lumens
Efficiency: N/A
Efficacy: 98.0 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): 63.9
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									
RC	80									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	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°	549487
5°	537046
10°	504322
15°	469207
20°	435161
25°	396685
30°	353158
35°	313031
40°	281360
45°	251803
50°	216030
55°	173771
60°	129488
65°	82674
70°	39835
75°	6598
80°	4882
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.6	6.5
10°-20°	1034.3	16.5
20°-30°	1340.3	21.4
30°-40°	1313.2	21.0
40°-50°	1113.1	17.8
50°-60°	729.7	11.6
60°-70°	293.3	4.7
70°-80°	33.5	0.5
80°-90°	0.9	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°	2780.2	44.4
0°-40°	4093.4	65.3
0°-60°	5936.3	94.8
0°-90°	6264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6264.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4473	
5°	4355	406
15°	3689	1034
25°	2926	1340
35°	2087	1313
45°	1449	1113
55°	811	730
65°	284	293
75°	14	34
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4472.7
2.5°	4438.0
5°	4354.8
7.5°	4216.0
10°	4042.7
12.5°	3855.5
15°	3689.1
17.5°	3508.9
20°	3328.5
22.5°	3134.4
25°	2926.4
27.5°	2711.3
30°	2489.5
32.5°	2281.5
35°	2087.2
37.5°	1927.8
40°	1754.4
42.5°	1601.9
45°	1449.3
47.5°	1289.8
50°	1130.3
52.5°	970.9
55°	811.3
57.5°	665.7
60°	527.0
62.5°	402.1
65°	284.4
67.5°	187.2
70°	110.9
72.5°	48.5
75°	13.9
77.5°	6.9
80°	6.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)