

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: P839563

Luminaire Tested: **LDS4C05D010 EU4059030 4LBSLI**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C05D010 EU4059030 4LBSLI
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

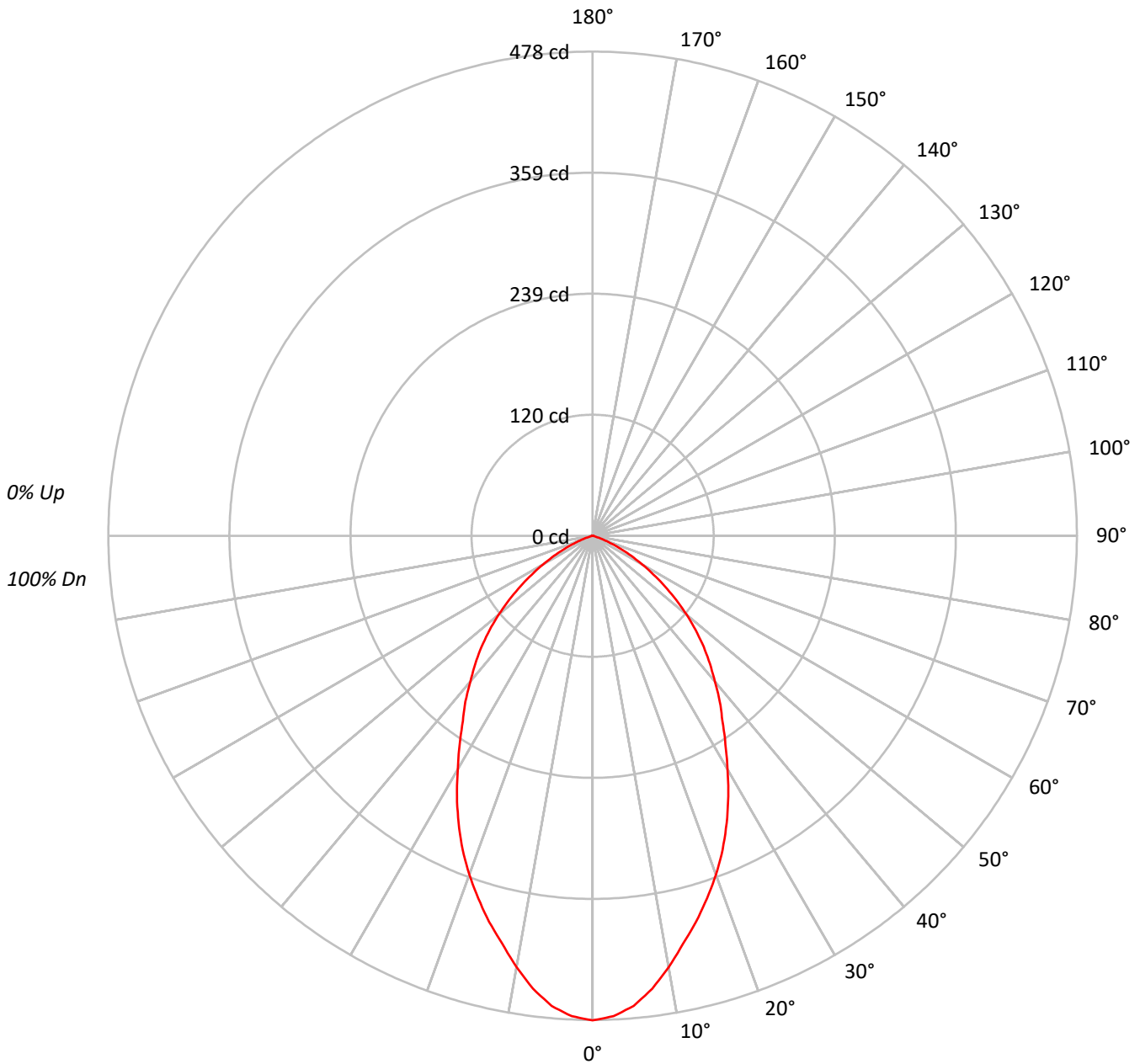
Lumens per Lamp: N/A
Luminaire Lumens: 670.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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°	58773
5°	57444
10°	53941
15°	50188
20°	46543
25°	42428
30°	37777
35°	33475
40°	30086
45°	26930
50°	23107
55°	18592
60°	13858
65°	8837
70°	4274
75°	712
80°	495
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	6.5
10°-20°	110.6	16.5
20°-30°	143.4	21.4
30°-40°	140.5	21.0
40°-50°	119.1	17.8
50°-60°	78.0	11.6
60°-70°	31.4	4.7
70°-80°	3.6	0.5
80°-90°	0.1	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°	297.4	44.4
0°-40°	437.8	65.3
0°-60°	634.9	94.8
0°-90°	670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	478	
5°	466	43
15°	395	111
25°	313	143
35°	223	140
45°	155	119
55°	87	78
65°	30	31
75°	2	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	478.4
2.5°	474.7
5°	465.8
7.5°	450.9
10°	432.4
12.5°	412.4
15°	394.6
17.5°	375.3
20°	356.0
22.5°	335.3
25°	313.0
27.5°	290.0
30°	266.3
32.5°	244.0
35°	223.2
37.5°	206.2
40°	187.6
42.5°	171.3
45°	155.0
47.5°	138.0
50°	120.9
52.5°	103.8
55°	86.8
57.5°	71.2
60°	56.4
62.5°	43.0
65°	30.4
67.5°	20.0
70°	11.9
72.5°	5.2
75°	1.5
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)