

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: P839148

Luminaire Tested: **LD4C05D010 EU4059027 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839148
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: LD4C05D010 EU4059027 4LBSLI
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

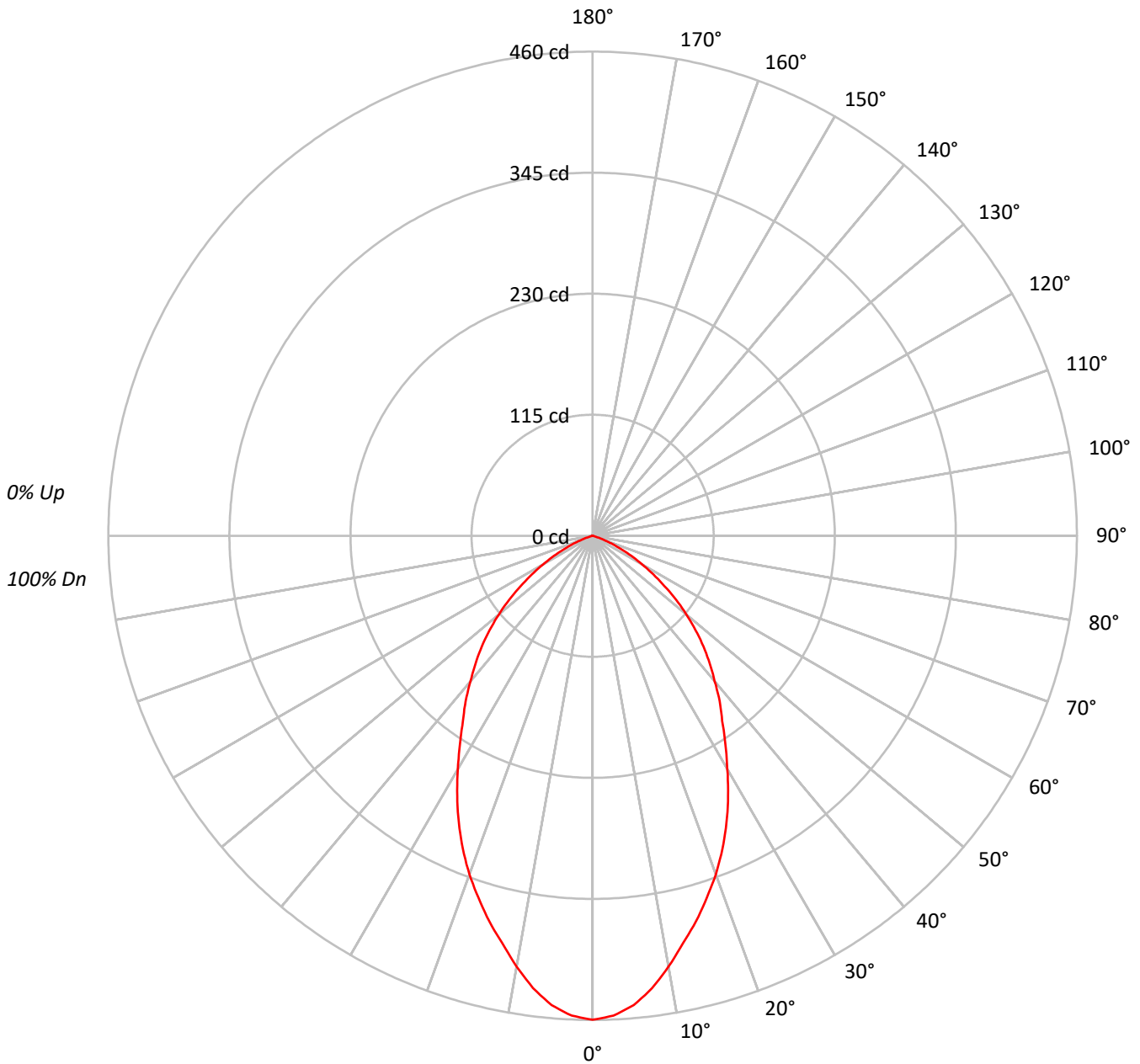
Lumens per Lamp: N/A
Luminaire Lumens: 643.9 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	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°	56488
5°	55212
10°	51846
15°	48242
20°	44739
25°	40788
30°	36302
35°	32185
40°	28931
45°	25887
50°	22209
55°	17863
60°	13317
65°	8488
70°	4095
75°	665
80°	495
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	6.5
10°-20°	106.3	16.5
20°-30°	137.8	21.4
30°-40°	135.0	21.0
40°-50°	114.4	17.8
50°-60°	75.0	11.6
60°-70°	30.1	4.7
70°-80°	3.4	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°	285.8	44.4
0°-40°	420.8	65.4
0°-60°	610.3	94.8
0°-90°	643.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	643.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	460	
5°	448	42
15°	379	106
25°	301	138
35°	215	135
45°	149	114
55°	83	75
65°	29	30
75°	1	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	459.8
2.5°	456.3
5°	447.7
7.5°	433.4
10°	415.6
12.5°	396.4
15°	379.3
17.5°	360.7
20°	342.2
22.5°	322.2
25°	300.9
27.5°	278.7
30°	255.9
32.5°	234.6
35°	214.6
37.5°	198.2
40°	180.4
42.5°	164.7
45°	149.0
47.5°	132.6
50°	116.2
52.5°	99.8
55°	83.4
57.5°	68.4
60°	54.2
62.5°	41.3
65°	29.2
67.5°	19.2
70°	11.4
72.5°	5.0
75°	1.4
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)