

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: P839554

Luminaire Tested: **LDS4C05D010 EU4059027 4LBSWH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C05D010 EU4059027 4LBSWH
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

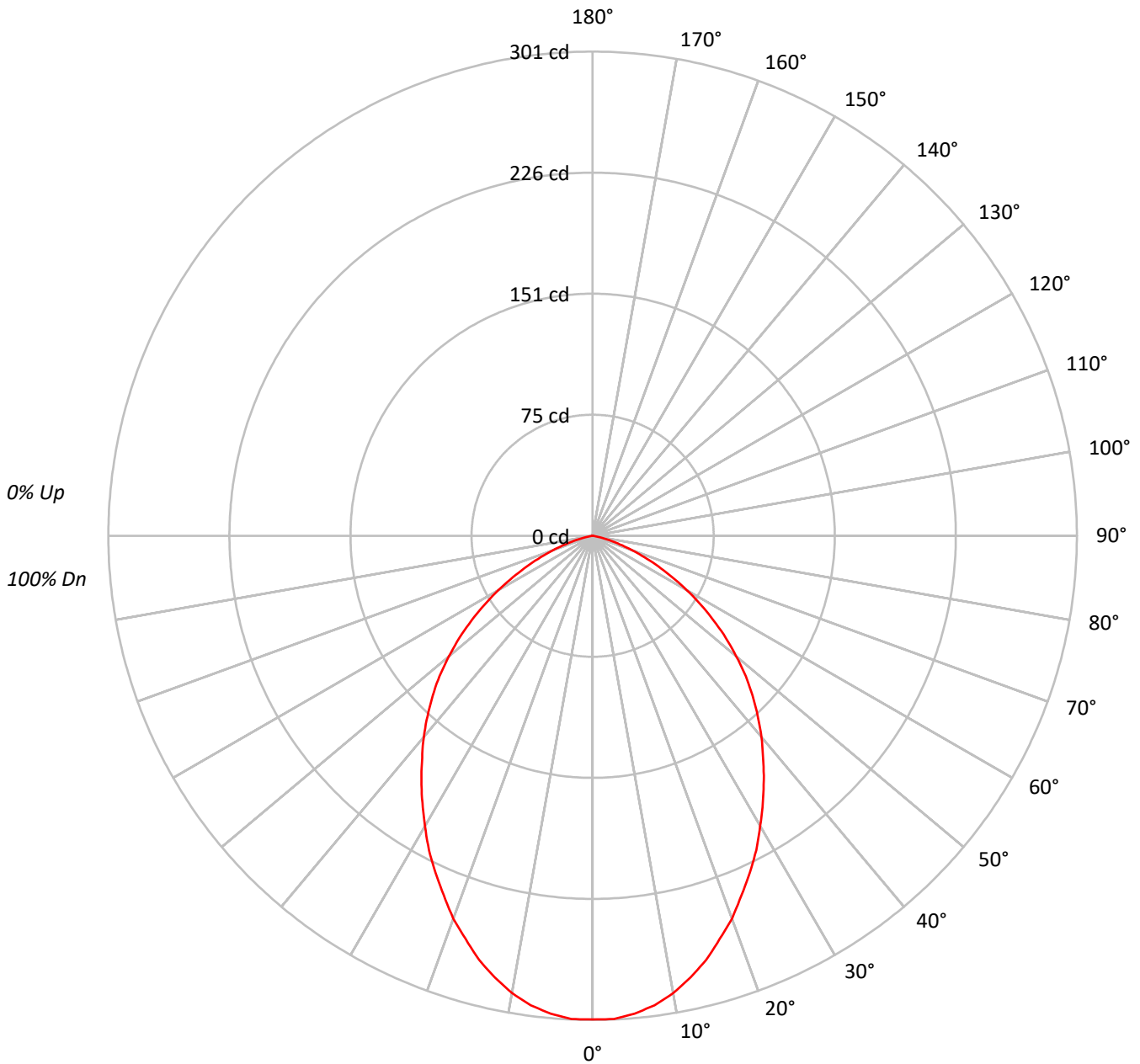
Lumens per Lamp: N/A
Luminaire Lumens: 575.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	48	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36942
5°	36775
10°	36015
15°	34709
20°	33103
25°	31326
30°	29549
35°	27821
40°	26189
45°	24411
50°	22266
55°	19663
60°	16634
65°	13081
70°	9339
75°	5126
80°	920
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	4.9
10°-20°	76.6	13.3
20°-30°	106.3	18.5
30°-40°	116.0	20.2
40°-50°	108.2	18.8
50°-60°	82.2	14.3
60°-70°	45.0	7.8
70°-80°	12.4	2.2
80°-90°	0.2	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°	211.0	36.7
0°-40°	327.1	56.9
0°-60°	517.4	90.0
0°-90°	575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	575.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	301	
5°	298	28
15°	273	77
25°	231	106
35°	186	116
45°	140	108
55°	92	82
65°	45	45
75°	11	12
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	300.7
2.5°	300.7
5°	298.2
7.5°	294.4
10°	288.7
12.5°	281.1
15°	272.9
17.5°	262.7
20°	253.2
22.5°	241.8
25°	231.1
27.5°	220.3
30°	208.3
32.5°	196.9
35°	185.5
37.5°	174.1
40°	163.3
42.5°	151.9
45°	140.5
47.5°	129.1
50°	116.5
52.5°	104.5
55°	91.8
57.5°	79.8
60°	67.7
62.5°	55.7
65°	45.0
67.5°	34.8
70°	26.0
72.5°	17.7
75°	10.8
77.5°	5.1
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)