

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: P839595

Luminaire Tested: **LDS4C05D010 EU4059050 4LBSWMH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839595
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 EU4059050 4LBSWMH
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LBS TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

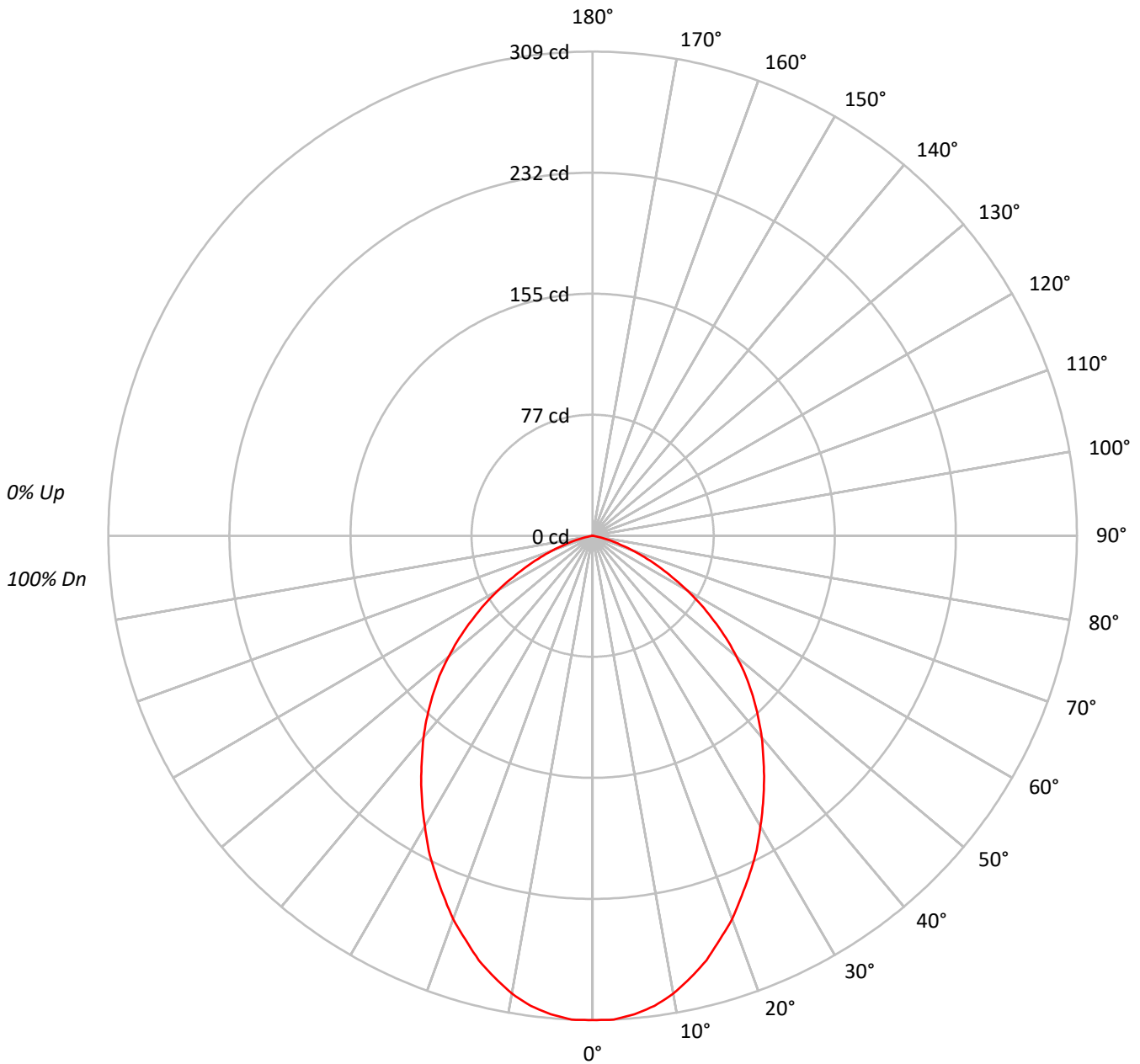
Lumens per Lamp: N/A
Luminaire Lumens: 591.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	49	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°	37974
5°	37798
10°	37013
15°	35676
20°	34031
25°	32194
30°	30372
35°	28600
40°	26927
45°	25106
50°	22878
55°	20219
60°	17101
65°	13430
70°	9591
75°	5269
80°	920
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	4.9
10°-20°	78.7	13.3
20°-30°	109.3	18.5
30°-40°	119.3	20.2
40°-50°	111.2	18.8
50°-60°	84.5	14.3
60°-70°	46.2	7.8
70°-80°	12.7	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°	216.9	36.7
0°-40°	336.2	56.9
0°-60°	531.9	90.0
0°-90°	591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	309	
5°	306	29
15°	280	79
25°	238	109
35°	191	119
45°	144	111
55°	94	84
65°	46	46
75°	11	13
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	309.1
2.5°	309.1
5°	306.5
7.5°	302.6
10°	296.7
12.5°	288.9
15°	280.5
17.5°	270.1
20°	260.3
22.5°	248.6
25°	237.5
27.5°	226.5
30°	214.1
32.5°	202.4
35°	190.7
37.5°	178.9
40°	167.9
42.5°	156.2
45°	144.5
47.5°	132.7
50°	119.7
52.5°	107.4
55°	94.4
57.5°	82.0
60°	69.6
62.5°	57.3
65°	46.2
67.5°	35.8
70°	26.7
72.5°	18.2
75°	11.1
77.5°	5.2
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)