

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: P839670

Luminaire Tested: **LDS4C100D010 EU41009035 4LBSB**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C100D010 EU41009035 4LBSB
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH B FINISH
Light Source: -
Ballast/Driver: -

Summary

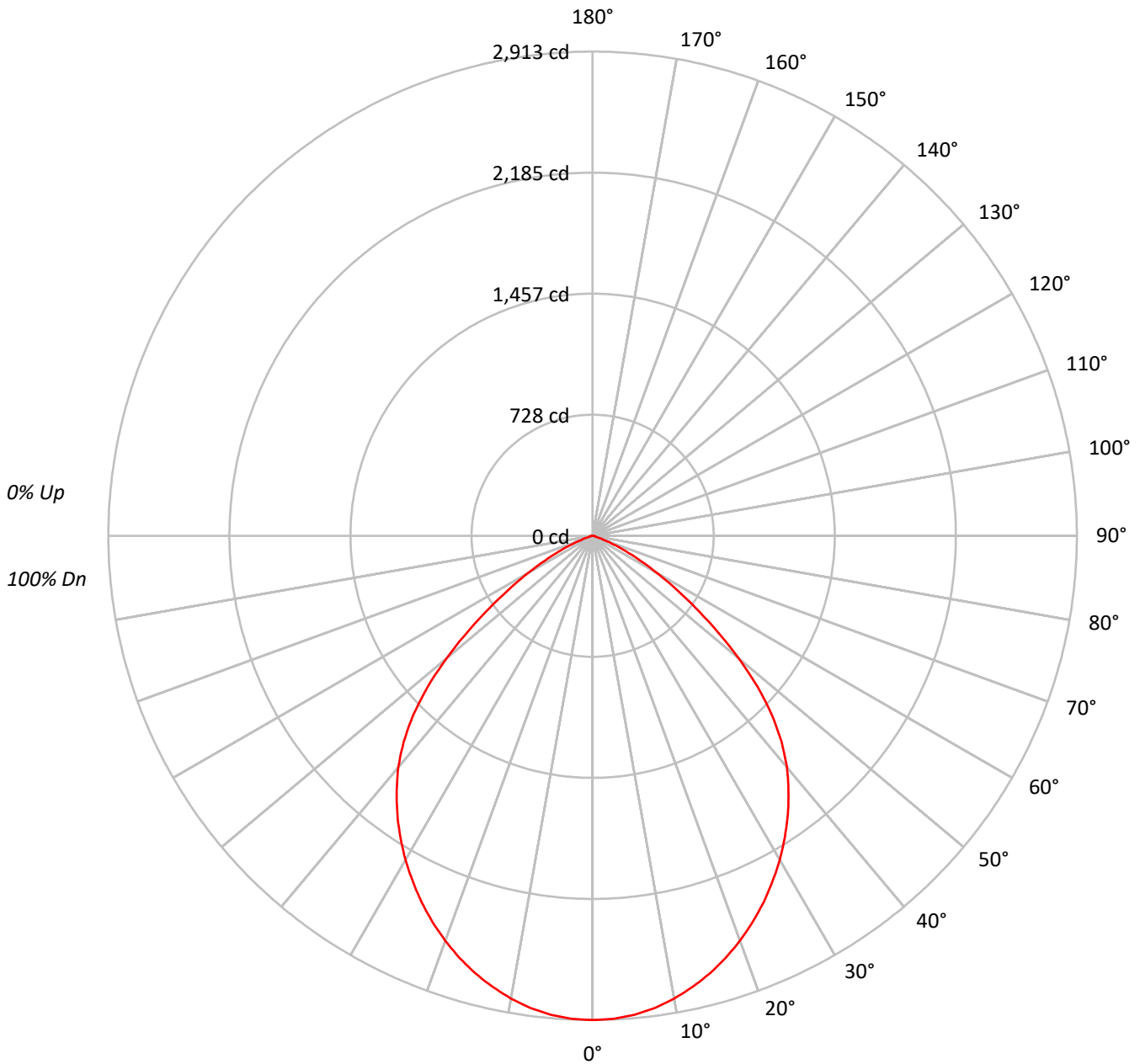
Lumens per Lamp: N/A
Luminaire Lumens: 5548.1 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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	100	102	99	97	98	96	94	94	93	92	90																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70																			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62																			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55																			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49																			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	357897
5°	356674
10°	352752
15°	346674
20°	338912
25°	329857
30°	319466
35°	307167
40°	291672
45°	265181
50°	218935
55°	161220
60°	109413
65°	64069
70°	25324
75°	5696
80°	7429
85°	12686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.0	4.9
10°-20°	767.5	13.8
20°-30°	1119.5	20.2
30°-40°	1277.9	23.0
40°-50°	1161.7	20.9
50°-60°	685.2	12.4
60°-70°	229.8	4.1
70°-80°	24.0	0.4
80°-90°	8.4	0.2
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°	2161.1	39.0
0°-40°	3439.0	62.0
0°-60°	5285.9	95.3
0°-90°	5548.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5548.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2913	
5°	2892	274
15°	2726	768
25°	2433	1120
35°	2048	1278
45°	1526	1162
55°	753	685
65°	220	230
75°	12	24
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2913.2
2.5°	2908.7
5°	2892.2
7.5°	2865.2
10°	2827.7
12.5°	2779.7
15°	2725.7
17.5°	2662.8
20°	2592.3
22.5°	2515.8
25°	2433.4
27.5°	2343.4
30°	2252.0
32.5°	2151.5
35°	2048.1
37.5°	1935.6
40°	1818.7
42.5°	1682.2
45°	1526.3
47.5°	1346.4
50°	1145.5
52.5°	944.6
55°	752.7
57.5°	589.2
60°	445.3
62.5°	322.4
65°	220.4
67.5°	134.9
70°	70.5
72.5°	27.0
75°	12.0
77.5°	12.0
80°	10.5
82.5°	9.0
85°	9.0
87.5°	7.5
90°	0.0



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— 0°-180°







(END OF REPORT)