

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: P839658

Luminaire Tested: **LDS4C100D010 EU41009030 4LBPSMB**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839658
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 EU41009030 4LBPSMB
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

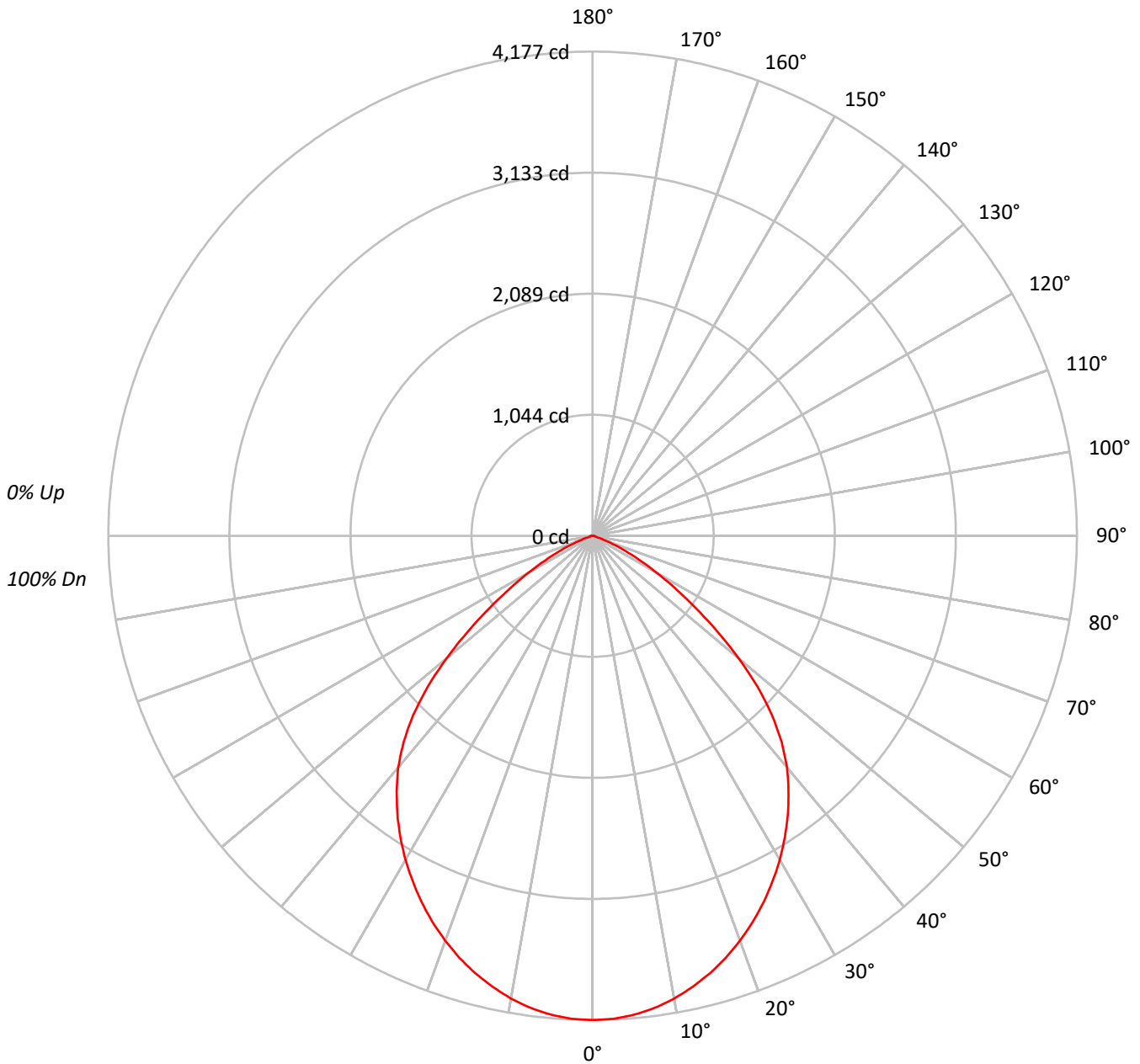
Lumens per Lamp: N/A
Luminaire Lumens: 7955.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P839658

CATALOG NUMBER: LDS4C100D010 EU41009030 4LBPSMB

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°	513159
5°	511407
10°	505794
15°	497086
20°	485953
25°	472961
30°	458063
35°	440421
40°	418207
45°	380232
50°	313905
55°	231152
60°	156884
65°	91860
70°	36279
75°	8164
80°	10612
85°	18184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.9	4.9
10°-20°	1100.5	13.8
20°-30°	1605.2	20.2
30°-40°	1832.3	23.0
40°-50°	1665.8	20.9
50°-60°	982.5	12.4
60°-70°	329.5	4.1
70°-80°	34.4	0.4
80°-90°	12.0	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°	3098.6	39.0
0°-40°	4930.9	62.0
0°-60°	7579.1	95.3
0°-90°	7955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7955.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4177	
5°	4147	393
15°	3908	1101
25°	3489	1605
35°	2937	1832
45°	2188	1666
55°	1079	982
65°	316	329
75°	17	34
85°	13	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4177.0
2.5°	4170.6
5°	4146.9
7.5°	4108.2
10°	4054.5
12.5°	3985.7
15°	3908.3
17.5°	3818.0
20°	3717.0
22.5°	3607.3
25°	3489.1
27.5°	3360.1
30°	3229.0
32.5°	3084.9
35°	2936.6
37.5°	2775.4
40°	2607.7
42.5°	2412.1
45°	2188.5
47.5°	1930.5
50°	1642.4
52.5°	1354.4
55°	1079.2
57.5°	844.9
60°	638.5
62.5°	462.2
65°	316.0
67.5°	193.5
70°	101.0
72.5°	38.7
75°	17.2
77.5°	17.2
80°	15.0
82.5°	12.9
85°	12.9
87.5°	10.7
90°	0.0



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— 0°-180°







(END OF REPORT)