

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: P839656

Luminaire Tested: **LDS4C100D010 EU41009030 4LBCSMB**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839656
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 4LBCSMB
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

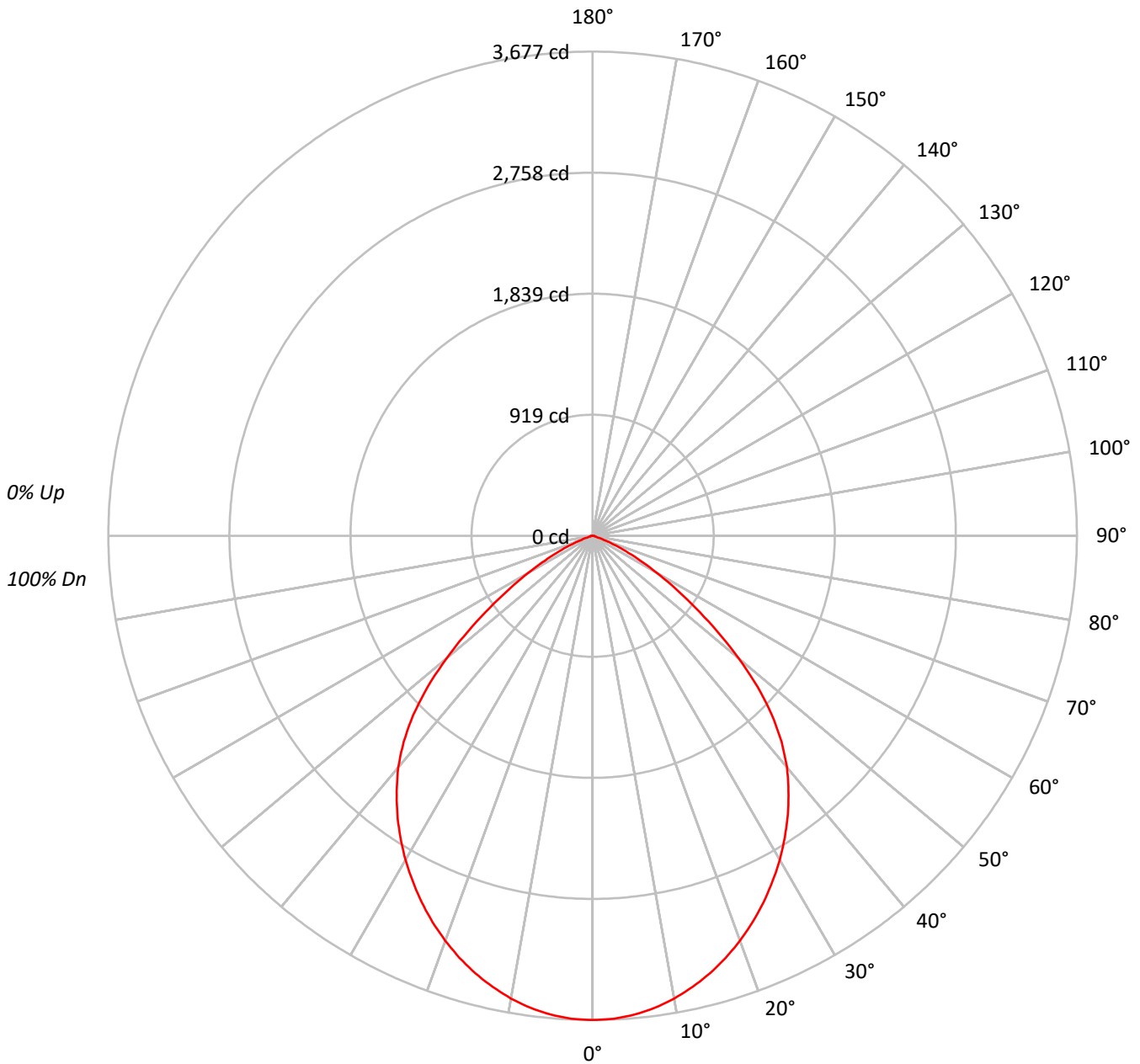
Lumens per Lamp: N/A
Luminaire Lumens: 7003.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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				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	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°	451745
5°	450214
10°	445265
15°	437601
20°	427788
25°	416354
30°	403234
35°	387719
40°	368154
45°	334730
50°	276349
55°	203479
60°	138112
65°	80872
70°	31933
75°	7168
80°	9339
85°	16069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.9	4.9
10°-20°	968.8	13.8
20°-30°	1413.1	20.2
30°-40°	1613.0	23.0
40°-50°	1466.4	20.9
50°-60°	864.9	12.4
60°-70°	290.0	4.1
70°-80°	30.3	0.4
80°-90°	10.6	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°	2727.8	39.0
0°-40°	4340.8	62.0
0°-60°	6672.1	95.3
0°-90°	7003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7003.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3677	
5°	3651	346
15°	3441	969
25°	3072	1413
35°	2585	1613
45°	1927	1466
55°	950	865
65°	278	290
75°	15	30
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3677.1
2.5°	3671.5
5°	3650.7
7.5°	3616.6
10°	3569.3
12.5°	3508.7
15°	3440.6
17.5°	3361.1
20°	3272.1
22.5°	3175.6
25°	3071.5
27.5°	2958.0
30°	2842.5
32.5°	2715.8
35°	2585.2
37.5°	2443.2
40°	2295.6
42.5°	2123.4
45°	1926.6
47.5°	1699.5
50°	1445.9
52.5°	1192.3
55°	950.0
57.5°	743.8
60°	562.1
62.5°	406.9
65°	278.2
67.5°	170.3
70°	88.9
72.5°	34.1
75°	15.1
77.5°	15.1
80°	13.2
82.5°	11.4
85°	11.4
87.5°	9.5
90°	0.0



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— 0°-180°







(END OF REPORT)