

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: P839998

Luminaire Tested: **LDS4C40D010 EU4409027 4LBPSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839998
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: LDS4C40D010 EU4409027 4LBPSMB
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

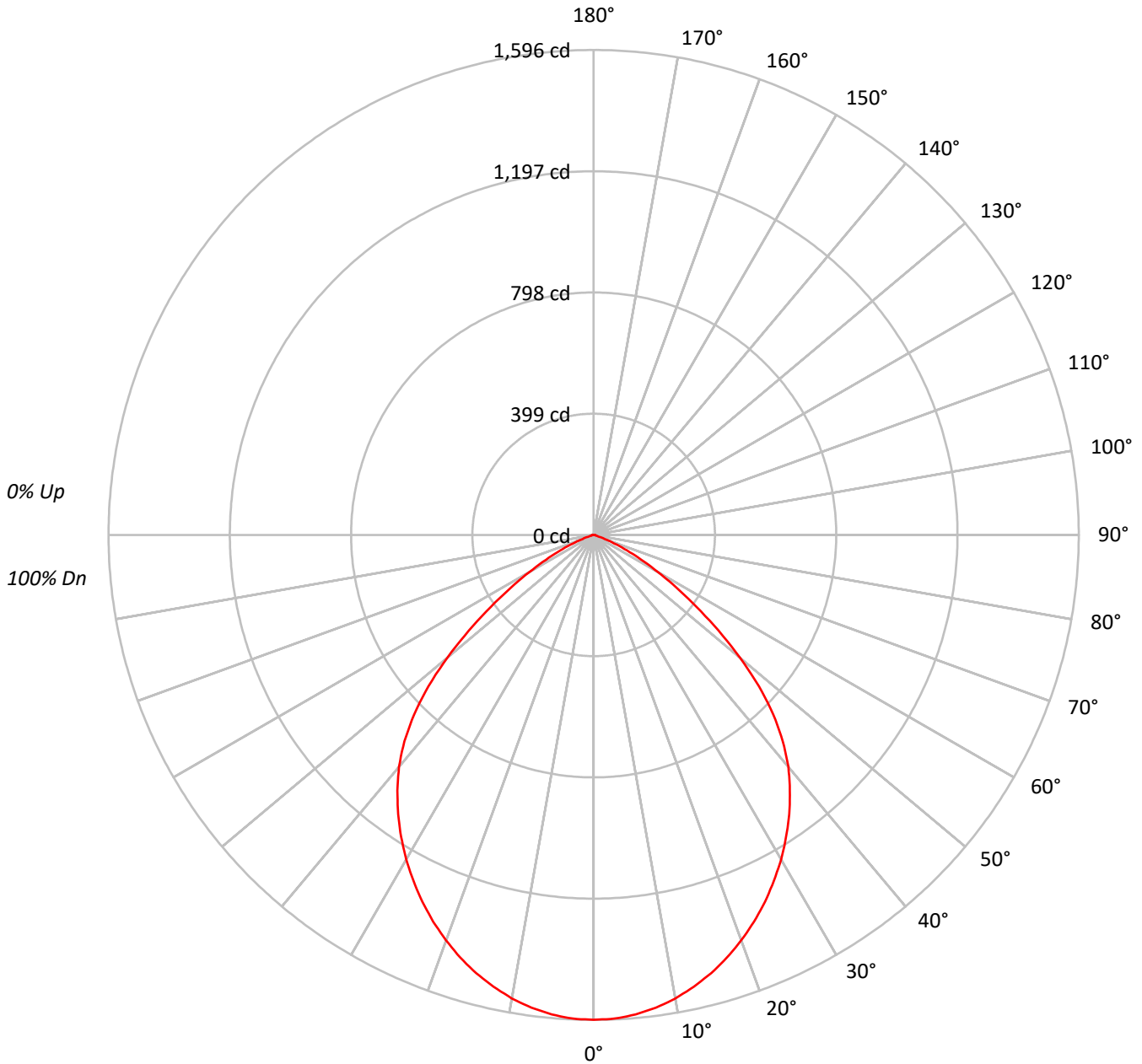
Lumens per Lamp: N/A
Luminaire Lumens: 3039.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	196037
5°	195368
10°	193223
15°	189903
20°	185648
25°	180680
30°	174983
35°	168259
40°	159764
45°	145265
50°	119913
55°	88310
60°	59928
65°	35087
70°	13865
75°	3133
80°	4033
85°	6907



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	4.9
10°-20°	420.4	13.8
20°-30°	613.2	20.2
30°-40°	700.0	23.0
40°-50°	636.4	20.9
50°-60°	375.3	12.4
60°-70°	125.9	4.1
70°-80°	13.2	0.4
80°-90°	4.6	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°	1183.7	39.0
0°-40°	1883.7	62.0
0°-60°	2895.4	95.3
0°-90°	3039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3039.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1596	
5°	1584	150
15°	1493	420
25°	1333	613
35°	1122	700
45°	836	636
55°	412	375
65°	121	126
75°	7	13
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1595.7
2.5°	1593.3
5°	1584.2
7.5°	1569.4
10°	1548.9
12.5°	1522.6
15°	1493.1
17.5°	1458.6
20°	1420.0
22.5°	1378.1
25°	1332.9
27.5°	1283.6
30°	1233.5
32.5°	1178.5
35°	1121.9
37.5°	1060.3
40°	996.2
42.5°	921.5
45°	836.1
47.5°	737.5
50°	627.4
52.5°	517.4
55°	412.3
57.5°	322.8
60°	243.9
62.5°	176.6
65°	120.7
67.5°	73.9
70°	38.6
72.5°	14.8
75°	6.6
77.5°	6.6
80°	5.7
82.5°	4.9
85°	4.9
87.5°	4.1
90°	0.0



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— 0°-180°







(END OF REPORT)