

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: P839577

Luminaire Tested: **LDS4C05D010 EU4059040 4LBCSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839577
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: LDS4C05D010 EU4059040 4LBCSMMS
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

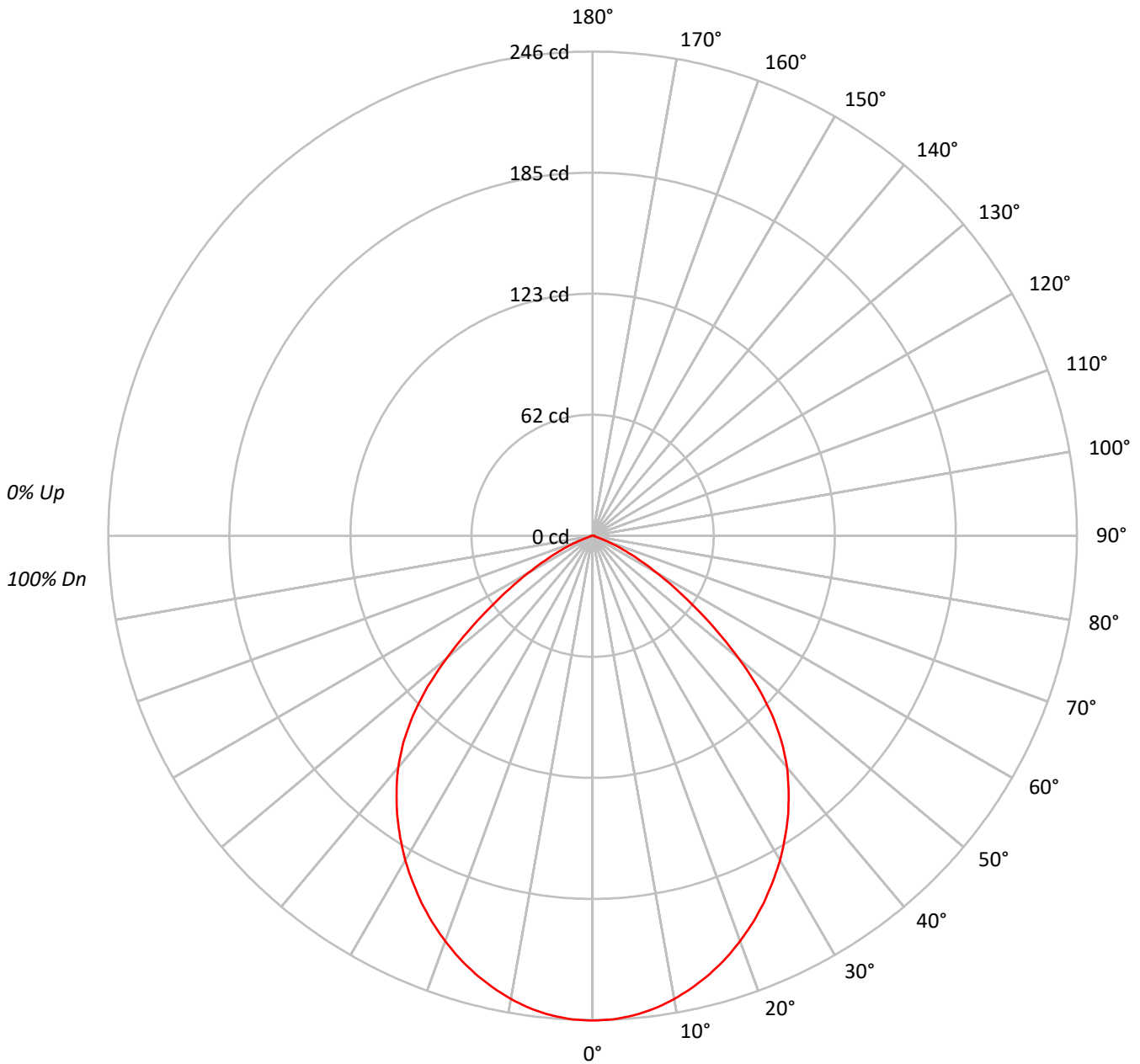
Lumens per Lamp: N/A
Luminaire Lumens: 468.9 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P839577

CATALOG NUMBER: LDS4C05D010 EU4059040 4LBCSMMS

Luminous Intensity Polar Plot





TEST NUMBER: P839577

CATALOG NUMBER: LDS4C05D010 EU4059040 4LBCSMMS

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	66	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°	30259
5°	30152
10°	29815
15°	29304
20°	28645
25°	27883
30°	27010
35°	25961
40°	24649
45°	22413
50°	18501
55°	13622
60°	9239
65°	5407
70°	2155
75°	475
80°	637
85°	1128



TEST NUMBER: P839577

CATALOG NUMBER: LDS4C05D010 EU4059040 4LBCSMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	4.9
10°-20°	64.9	13.8
20°-30°	94.6	20.2
30°-40°	108.0	23.0
40°-50°	98.2	20.9
50°-60°	57.9	12.3
60°-70°	19.4	4.1
70°-80°	2.0	0.4
80°-90°	0.7	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°	182.7	39.0
0°-40°	290.7	62.0
0°-60°	446.8	95.3
0°-90°	468.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	246	
5°	244	23
15°	230	65
25°	206	95
35°	173	108
45°	129	98
55°	64	58
65°	19	19
75°	1	2
85°	1	1
90°	0	



TEST NUMBER: P839577

CATALOG NUMBER: LDS4C05D010 EU4059040 4LBCSMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	246.3
2.5°	245.9
5°	244.5
7.5°	242.2
10°	239.0
12.5°	235.0
15°	230.4
17.5°	225.1
20°	219.1
22.5°	212.7
25°	205.7
27.5°	198.1
30°	190.4
32.5°	181.9
35°	173.1
37.5°	163.6
40°	153.7
42.5°	142.2
45°	129.0
47.5°	113.8
50°	96.8
52.5°	79.8
55°	63.6
57.5°	49.8
60°	37.6
62.5°	27.2
65°	18.6
67.5°	11.4
70°	6.0
72.5°	2.3
75°	1.0
77.5°	1.0
80°	0.9
82.5°	0.8
85°	0.8
87.5°	0.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)