

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: P839287

Luminaire Tested: **LD4C40D010 EU4409035 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C40D010 EU4409035 4LBPSMW
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

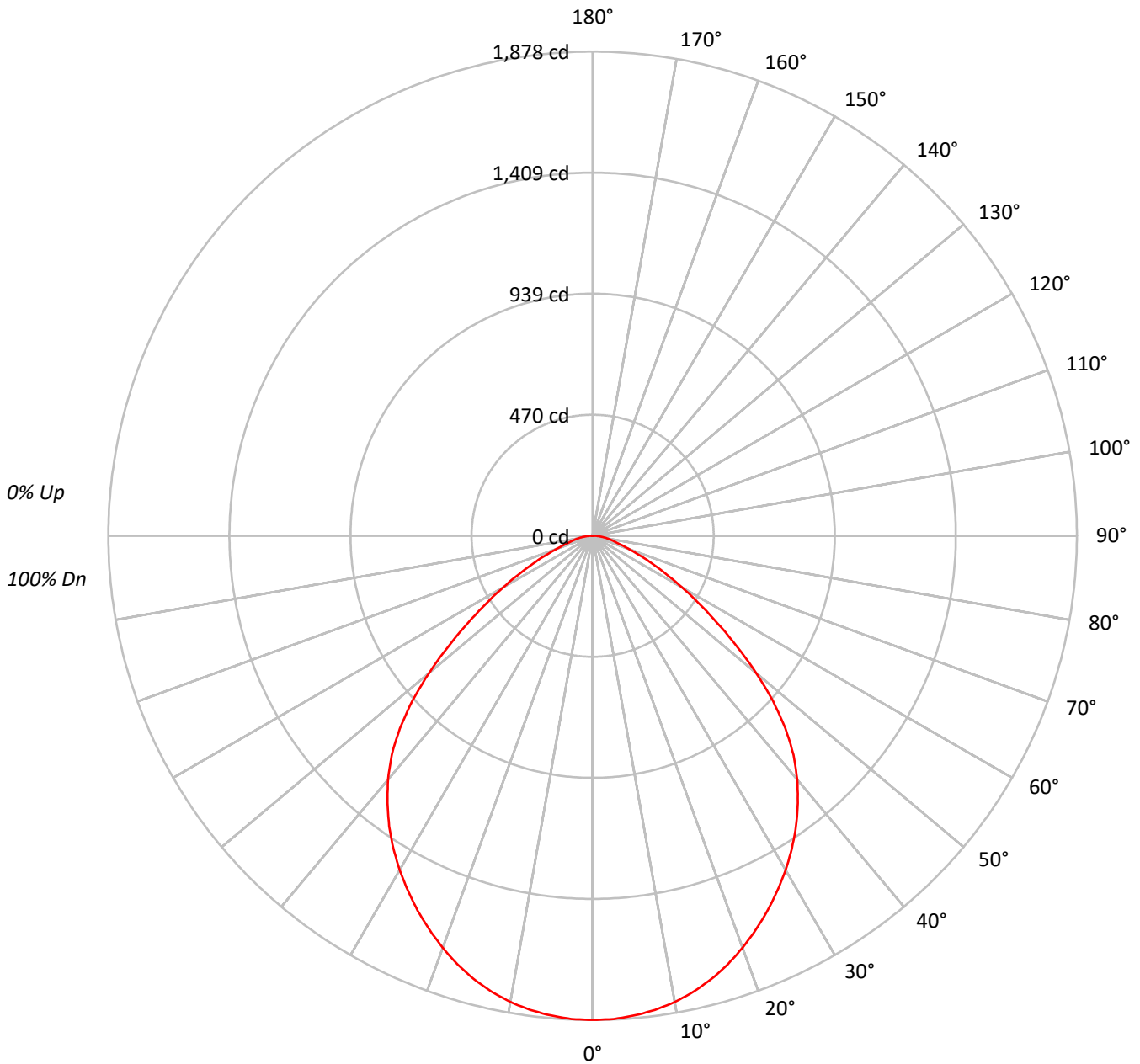
Lumens per Lamp: N/A
Luminaire Lumens: 4004.0 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P839287

CATALOG NUMBER: LD4C40D010 EU4409035 4LBPSMW

Luminous Intensity Polar Plot





TEST NUMBER: P839287

CATALOG NUMBER: LD4C40D010 EU4409035 4LBPSMW

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			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230694
5°	230318
10°	229064
15°	226419
20°	222307
25°	217496
30°	212320
35°	206263
40°	197949
45°	183627
50°	158195
55°	126200
60°	98234
65°	73546
70°	53377
75°	42293
80°	39619
85°	39468



TEST NUMBER: P839287

CATALOG NUMBER: LD4C40D010 EU4409035 4LBPSMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.3	4.4
10°-20°	501.4	12.5
20°-30°	738.8	18.5
30°-40°	858.3	21.4
40°-50°	806.7	20.1
50°-60°	534.0	13.3
60°-70°	257.3	6.4
70°-80°	99.2	2.5
80°-90°	30.9	0.8
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°	1417.5	35.4
0°-40°	2275.7	56.8
0°-60°	3616.5	90.3
0°-90°	4004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4004.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1878	
5°	1868	177
15°	1780	501
25°	1604	739
35°	1375	858
45°	1057	807
55°	589	534
65°	253	257
75°	89	99
85°	28	31
90°	0	



TEST NUMBER: P839287

CATALOG NUMBER: LD4C40D010 EU4409035 4LBPSMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1877.8
2.5°	1876.1
5°	1867.6
7.5°	1854.9
10°	1836.2
12.5°	1810.8
15°	1780.2
17.5°	1742.9
20°	1700.4
22.5°	1653.7
25°	1604.5
27.5°	1551.8
30°	1496.7
32.5°	1438.1
35°	1375.3
37.5°	1306.5
40°	1234.3
42.5°	1152.8
45°	1056.9
47.5°	948.3
50°	827.7
52.5°	705.5
55°	589.2
57.5°	489.0
60°	399.8
62.5°	320.0
65°	253.0
67.5°	196.1
70°	148.6
72.5°	112.9
75°	89.1
77.5°	72.2
80°	56.0
82.5°	41.6
85°	28.0
87.5°	16.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)