

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: P839278

Luminaire Tested: **LD4C35D010 EU4359050 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839278
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: LD4C35D010 EU4359050 4LBPSMW
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

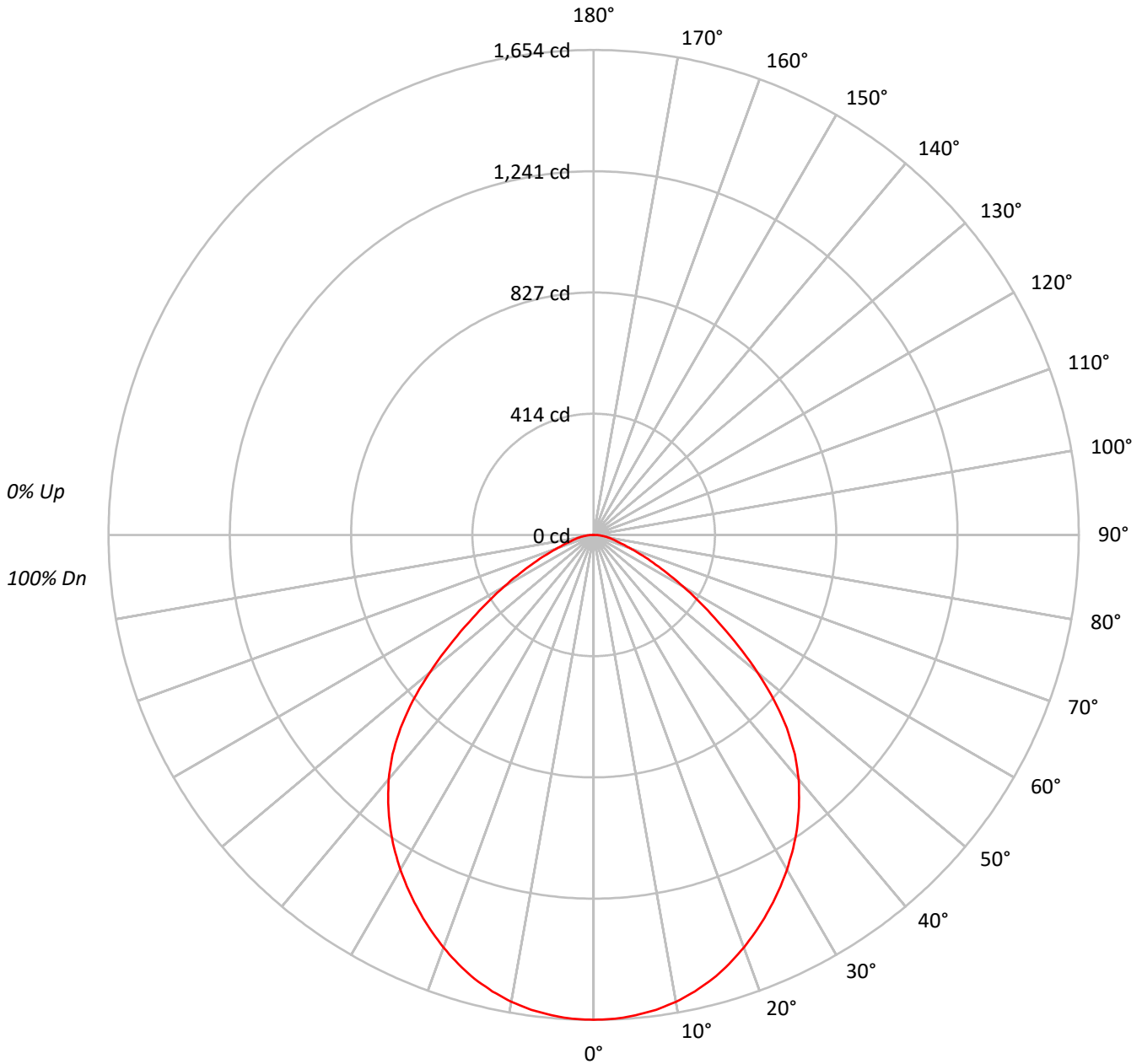
Lumens per Lamp: N/A
Luminaire Lumens: 3525.9 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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: P839278

CATALOG NUMBER: LD4C35D010 EU4359050 4LBPSMW

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			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°	203163
5°	202829
10°	201719
15°	199391
20°	195767
25°	191524
30°	186970
35°	181636
40°	174326
45°	161701
50°	139312
55°	111121
60°	86513
65°	64767
70°	46983
75°	37262
80°	34879
85°	34817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.1	4.4
10°-20°	441.5	12.5
20°-30°	650.6	18.5
30°-40°	755.8	21.4
40°-50°	710.4	20.1
50°-60°	470.3	13.3
60°-70°	226.6	6.4
70°-80°	87.4	2.5
80°-90°	27.3	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°	1248.2	35.4
0°-40°	2004.0	56.8
0°-60°	3184.7	90.3
0°-90°	3525.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3525.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1654	
5°	1645	156
15°	1568	441
25°	1413	651
35°	1211	756
45°	931	710
55°	519	470
65°	223	227
75°	78	87
85°	25	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1653.7
2.5°	1652.2
5°	1644.7
7.5°	1633.5
10°	1617.0
12.5°	1594.6
15°	1567.7
17.5°	1534.8
20°	1497.4
22.5°	1456.3
25°	1412.9
27.5°	1366.6
30°	1318.0
32.5°	1266.4
35°	1211.1
37.5°	1150.5
40°	1087.0
42.5°	1015.2
45°	930.7
47.5°	835.1
50°	728.9
52.5°	621.2
55°	518.8
57.5°	430.6
60°	352.1
62.5°	281.8
65°	222.8
67.5°	172.7
70°	130.8
72.5°	99.4
75°	78.5
77.5°	63.5
80°	49.3
82.5°	36.6
85°	24.7
87.5°	14.2
90°	0.0



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— 0°-180°







(END OF REPORT)