

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: P839970

Luminaire Tested: **LDS4C35D010 EU4359035 4LBSB**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839970
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: LDS4C35D010 EU4359035 4LBSB
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH B FINISH
Light Source: -
Ballast/Driver: -

Summary

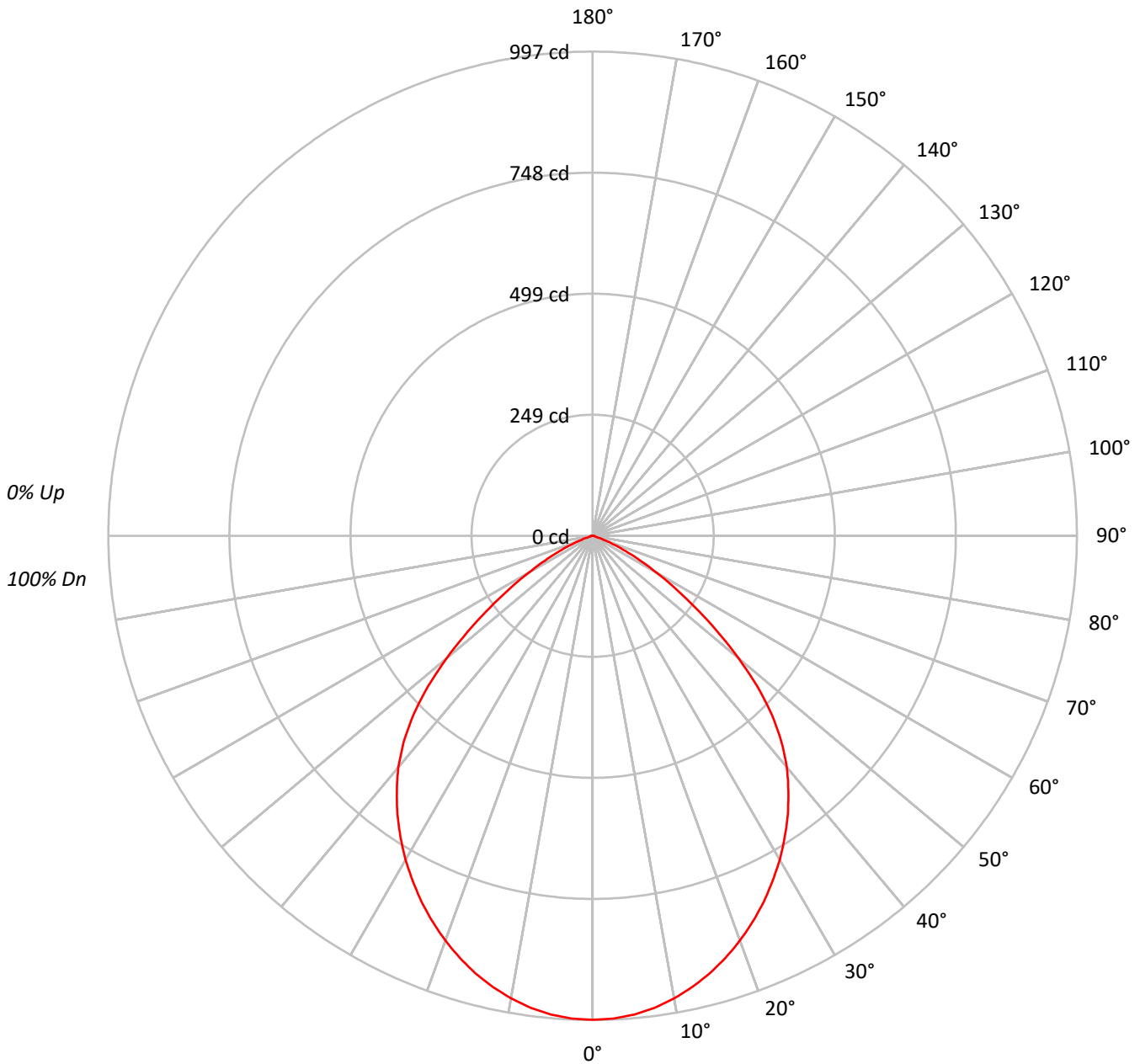
Lumens per Lamp: N/A
Luminaire Lumens: 1898.0 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P839970

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBSB

Luminous Intensity Polar Plot





TEST NUMBER: P839970

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBSB

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	100	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70	70	70	70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62	62	62	62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55	55	55	55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40	40	40	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36	36	36	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33	33	33	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122436
5°	122016
10°	120682
15°	118602
20°	115938
25°	112849
30°	109288
35°	105073
40°	99785
45°	90728
50°	74902
55°	55154
60°	37421
65°	21918
70°	8657
75°	1946
80°	2547
85°	4370



TEST NUMBER: P839970

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBSB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	4.9
10°-20°	262.6	13.8
20°-30°	383.0	20.2
30°-40°	437.2	23.0
40°-50°	397.4	20.9
50°-60°	234.4	12.3
60°-70°	78.6	4.1
70°-80°	8.2	0.4
80°-90°	2.9	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°	739.3	39.0
0°-40°	1176.5	62.0
0°-60°	1808.3	95.3
0°-90°	1898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1898.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	997	
5°	989	94
15°	932	263
25°	832	383
35°	701	437
45°	522	397
55°	258	234
65°	75	79
75°	4	8
85°	3	3
90°	0	



TEST NUMBER: P839970

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBSB

CANDELA DISTRIBUTION (FULL):

	0°
0°	996.6
2.5°	995.1
5°	989.4
7.5°	980.2
10°	967.4
12.5°	951.0
15°	932.5
17.5°	910.9
20°	886.8
22.5°	860.7
25°	832.5
27.5°	801.7
30°	770.4
32.5°	736.0
35°	700.6
37.5°	662.2
40°	622.2
42.5°	575.5
45°	522.2
47.5°	460.6
50°	391.9
52.5°	323.1
55°	257.5
57.5°	201.6
60°	152.3
62.5°	110.3
65°	75.4
67.5°	46.2
70°	24.1
72.5°	9.2
75°	4.1
77.5°	4.1
80°	3.6
82.5°	3.1
85°	3.1
87.5°	2.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)