

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: P839971

Luminaire Tested: **LDS4C35D010 EU4359035 4LBSGPH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839971
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 4LBSGPH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

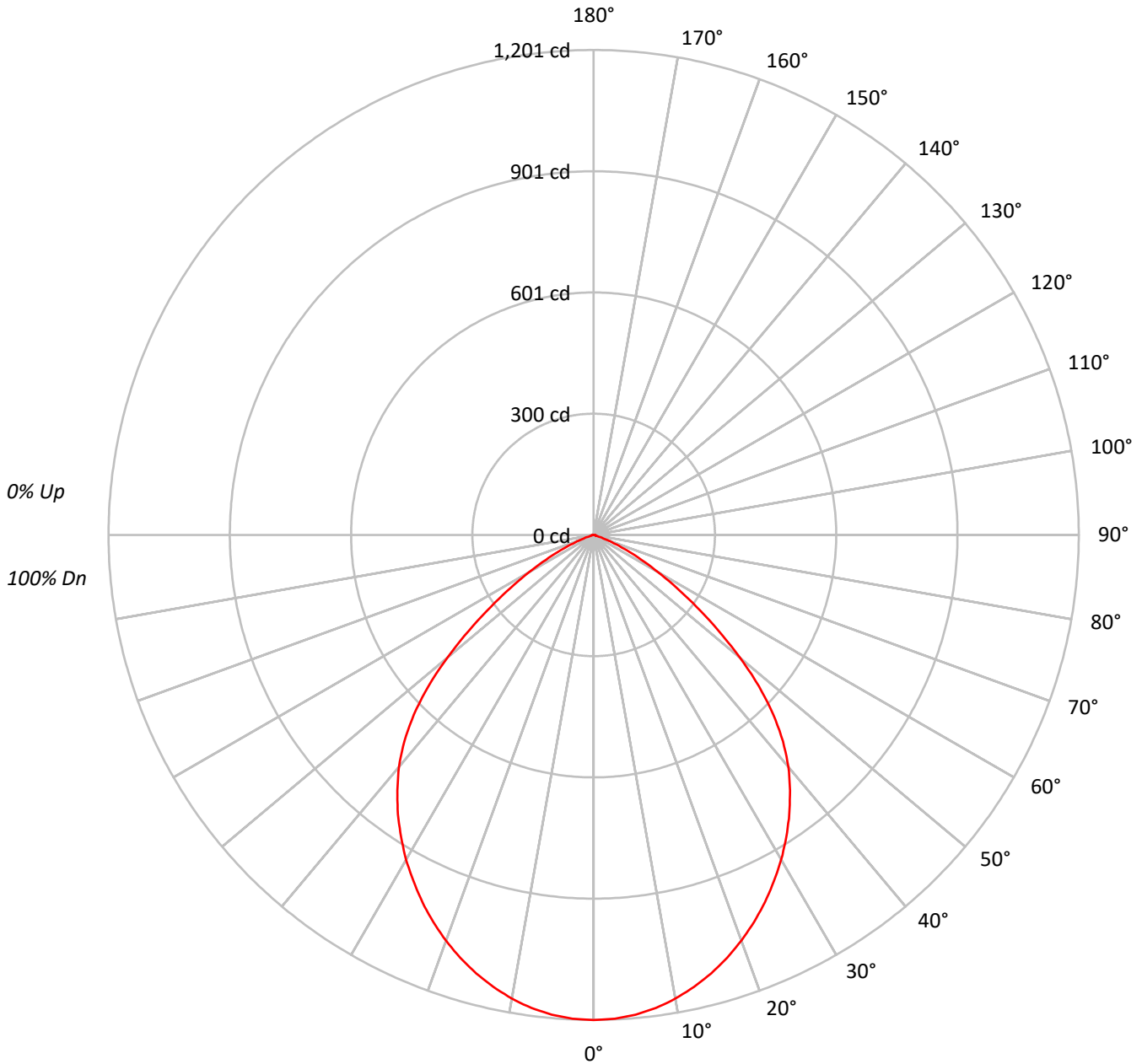
Lumens per Lamp: N/A
Luminaire Lumens: 2287.9 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P839971

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBSGPH

Luminous Intensity Polar Plot





TEST NUMBER: P839971

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBSGPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	147596
5°	147087
10°	145469
15°	142971
20°	139772
25°	136028
30°	131744
35°	126670
40°	120280
45°	109353
50°	90288
55°	66484
60°	45112
65°	26424
70°	10453
75°	2326
80°	3042
85°	5215



TEST NUMBER: P839971

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBSGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	4.9
10°-20°	316.5	13.8
20°-30°	461.7	20.2
30°-40°	527.0	23.0
40°-50°	479.1	20.9
50°-60°	282.6	12.4
60°-70°	94.7	4.1
70°-80°	9.9	0.4
80°-90°	3.4	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°	891.2	39.0
0°-40°	1418.2	62.0
0°-60°	2179.8	95.3
0°-90°	2287.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2287.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1201	
5°	1193	113
15°	1124	317
25°	1004	462
35°	845	527
45°	629	479
55°	310	283
65°	91	95
75°	5	10
85°	4	3
90°	0	



TEST NUMBER: P839971

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBSGPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1201.4
2.5°	1199.5
5°	1192.7
7.5°	1181.6
10°	1166.1
12.5°	1146.4
15°	1124.1
17.5°	1098.1
20°	1069.1
22.5°	1037.5
25°	1003.5
27.5°	966.4
30°	928.7
32.5°	887.3
35°	844.6
37.5°	798.2
40°	750.0
42.5°	693.7
45°	629.4
47.5°	555.2
50°	472.4
52.5°	389.5
55°	310.4
57.5°	243.0
60°	183.6
62.5°	132.9
65°	90.9
67.5°	55.6
70°	29.1
72.5°	11.1
75°	4.9
77.5°	4.9
80°	4.3
82.5°	3.7
85°	3.7
87.5°	3.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)