

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: P839671

Luminaire Tested: **LDS4C100D010 EU41009035 4LBSGPH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839671
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: LDS4C100D010 EU41009035 4LBSGPH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

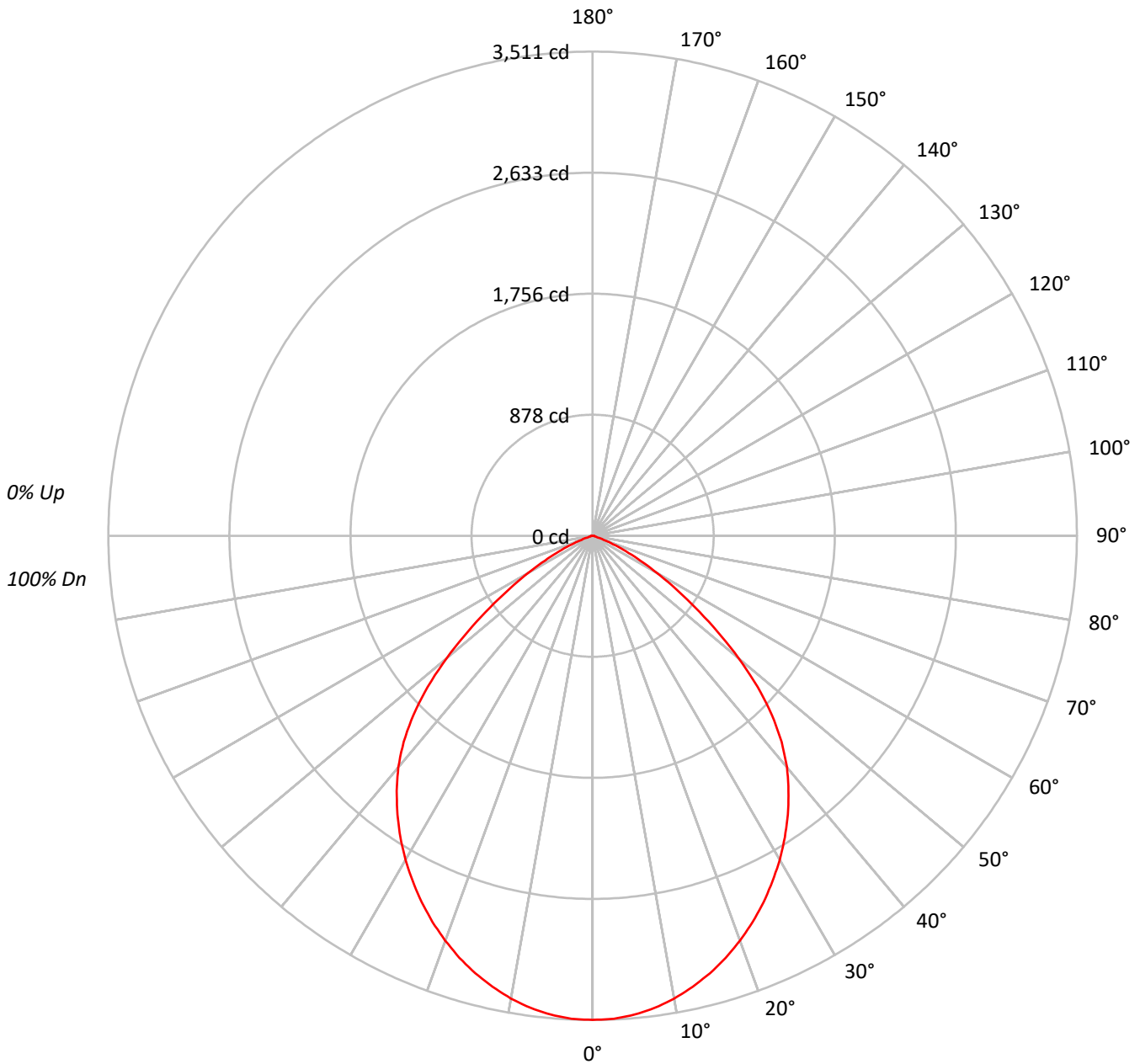
Lumens per Lamp: N/A
Luminaire Lumens: 6685.9 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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: P839671

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBSGPH

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	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°	431302
5°	429829
10°	425106
15°	417785
20°	408425
25°	397512
30°	384991
35°	370157
40°	351491
45°	319579
50°	263830
55°	194269
60°	131846
65°	77209
70°	30496
75°	6883
80°	8914
85°	15224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.2	4.9
10°-20°	924.9	13.8
20°-30°	1349.2	20.2
30°-40°	1540.0	23.0
40°-50°	1400.0	20.9
50°-60°	825.7	12.3
60°-70°	276.9	4.1
70°-80°	28.9	0.4
80°-90°	10.1	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°	2604.3	39.0
0°-40°	4144.3	62.0
0°-60°	6370.0	95.3
0°-90°	6685.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6685.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3511	
5°	3485	330
15°	3285	925
25°	2932	1349
35°	2468	1540
45°	1839	1400
55°	907	826
65°	266	277
75°	14	29
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3510.7
2.5°	3505.3
5°	3485.4
7.5°	3452.9
10°	3407.7
12.5°	3349.9
15°	3284.8
17.5°	3209.0
20°	3124.0
22.5°	3031.9
25°	2932.5
27.5°	2824.1
30°	2713.9
32.5°	2592.8
35°	2468.1
37.5°	2332.6
40°	2191.7
42.5°	2027.3
45°	1839.4
47.5°	1622.5
50°	1380.4
52.5°	1138.3
55°	907.0
57.5°	710.1
60°	536.6
62.5°	388.5
65°	265.6
67.5°	162.6
70°	84.9
72.5°	32.5
75°	14.5
77.5°	14.5
80°	12.6
82.5°	10.8
85°	10.8
87.5°	9.0
90°	0.0



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— 0°-180°







(END OF REPORT)