

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: P839960

Luminaire Tested: **LDS4C35D010 EU4359030 4LBSB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839960
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 EU4359030 4LBSB
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH B FINISH
Light Source: -
Ballast/Driver: -

Summary

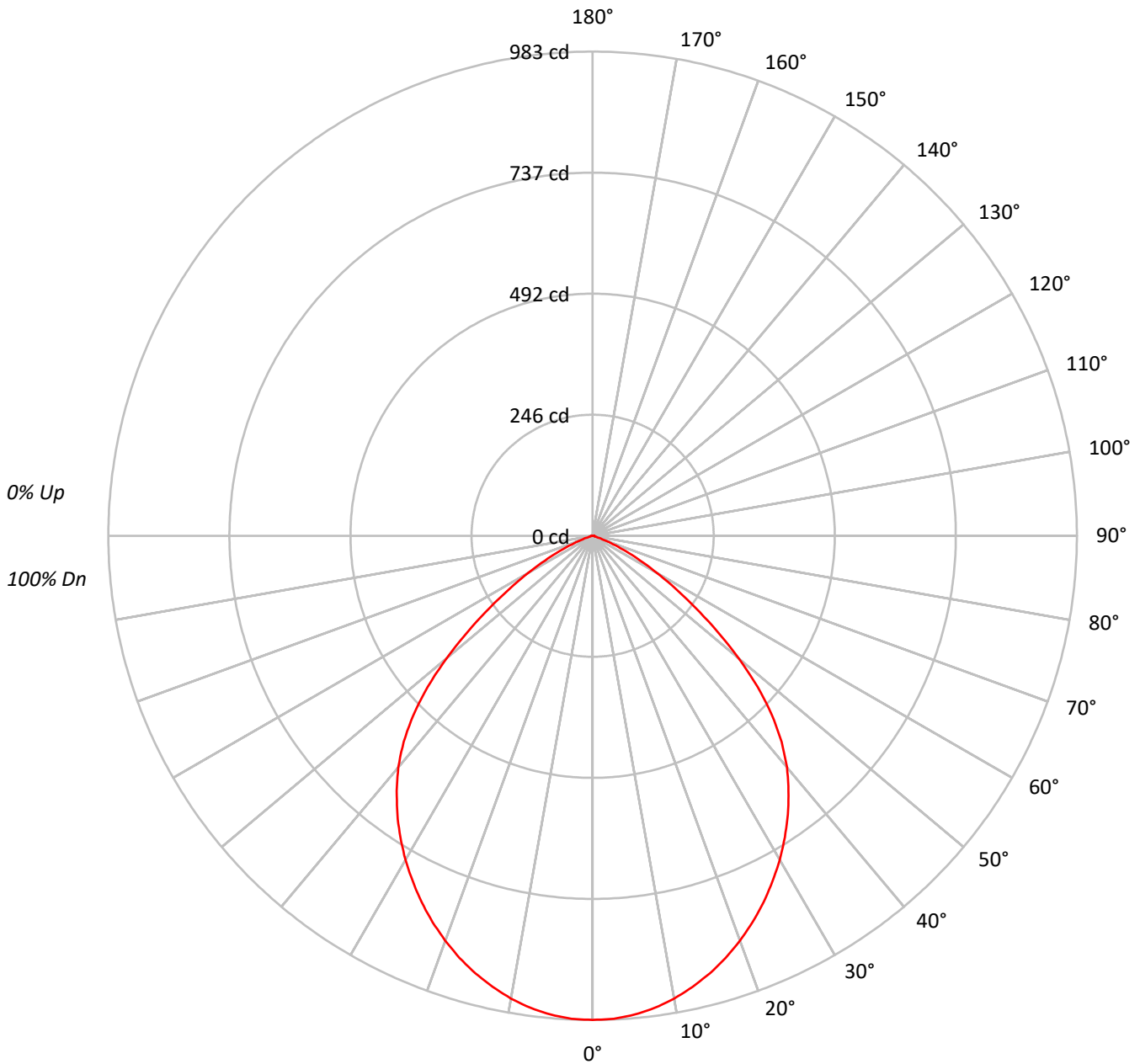
Lumens per Lamp: N/A
Luminaire Lumens: 1872.0 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120765
5°	120351
10°	119023
15°	116974
20°	114356
25°	111303
30°	107799
35°	103649
40°	98405
45°	89477
50°	73870
55°	54404
60°	36930
65°	21628
70°	8549
75°	1899
80°	2476
85°	4229



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	4.9
10°-20°	259.0	13.8
20°-30°	377.8	20.2
30°-40°	431.2	23.0
40°-50°	392.0	20.9
50°-60°	231.2	12.4
60°-70°	77.6	4.1
70°-80°	8.1	0.4
80°-90°	2.8	0.1
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°	729.2	39.0
0°-40°	1160.4	62.0
0°-60°	1783.6	95.3
0°-90°	1872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1872.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	983	
5°	976	92
15°	920	259
25°	821	378
35°	691	431
45°	515	392
55°	254	231
65°	74	78
75°	4	8
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	983.0
2.5°	981.4
5°	975.9
7.5°	966.8
10°	954.1
12.5°	937.9
15°	919.7
17.5°	898.5
20°	874.7
22.5°	848.9
25°	821.1
27.5°	790.7
30°	759.9
32.5°	726.0
35°	691.1
37.5°	653.1
40°	613.6
42.5°	567.6
45°	515.0
47.5°	454.3
50°	386.5
52.5°	318.7
55°	254.0
57.5°	198.8
60°	150.3
62.5°	108.8
65°	74.4
67.5°	45.5
70°	23.8
72.5°	9.1
75°	4.0
77.5°	4.0
80°	3.5
82.5°	3.0
85°	3.0
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)