

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: P839956

Luminaire Tested: **LDS4C35D010 EU4359030 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839956
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 4LBCSMB
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

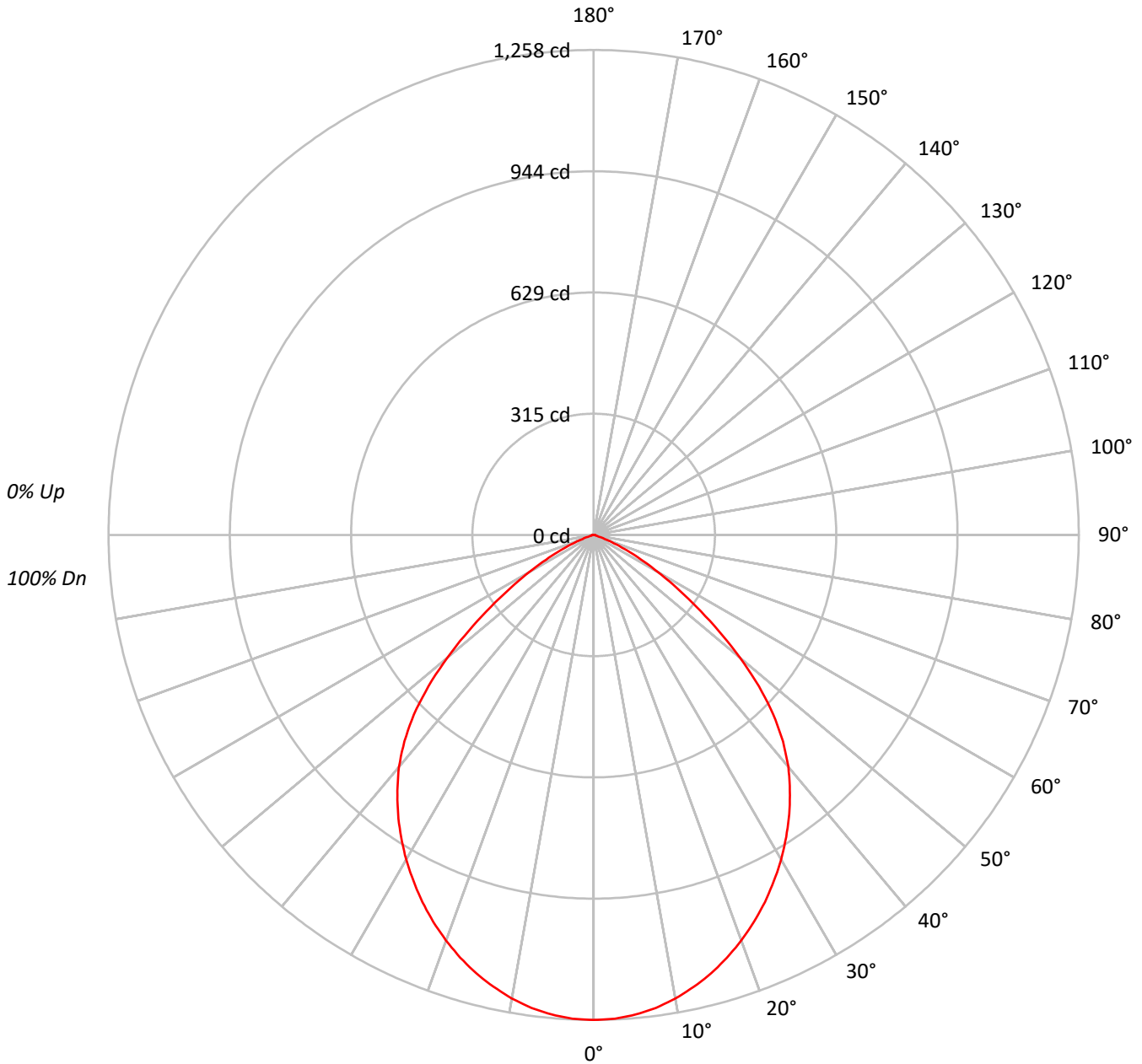
Lumens per Lamp: N/A
Luminaire Lumens: 2396.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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									
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	65	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°	154562
5°	154030
10°	152343
15°	149725
20°	146361
25°	142454
30°	137958
35°	132654
40°	125958
45°	114530
50°	94550
55°	69611
60°	47249
65°	27674
70°	10920
75°	2468
80°	3184
85°	5497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	4.9
10°-20°	331.5	13.8
20°-30°	483.5	20.2
30°-40°	551.9	23.0
40°-50°	501.7	20.9
50°-60°	295.9	12.3
60°-70°	99.2	4.1
70°-80°	10.4	0.4
80°-90°	3.6	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°	933.3	39.0
0°-40°	1485.2	62.0
0°-60°	2282.8	95.3
0°-90°	2396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2396.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1258	
5°	1249	118
15°	1177	331
25°	1051	483
35°	884	552
45°	659	502
55°	325	296
65°	95	99
75°	5	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1258.1
2.5°	1256.2
5°	1249.0
7.5°	1237.4
10°	1221.2
12.5°	1200.5
15°	1177.2
17.5°	1150.0
20°	1119.5
22.5°	1086.5
25°	1050.9
27.5°	1012.0
30°	972.5
32.5°	929.2
35°	884.5
37.5°	835.9
40°	785.4
42.5°	726.5
45°	659.2
47.5°	581.5
50°	494.7
52.5°	407.9
55°	325.0
57.5°	254.5
60°	192.3
62.5°	139.2
65°	95.2
67.5°	58.3
70°	30.4
72.5°	11.7
75°	5.2
77.5°	5.2
80°	4.5
82.5°	3.9
85°	3.9
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)