

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: P839946

Luminaire Tested: **LDS4C35D010 EU4359027 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839946
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 EU4359027 4LBCSMB
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

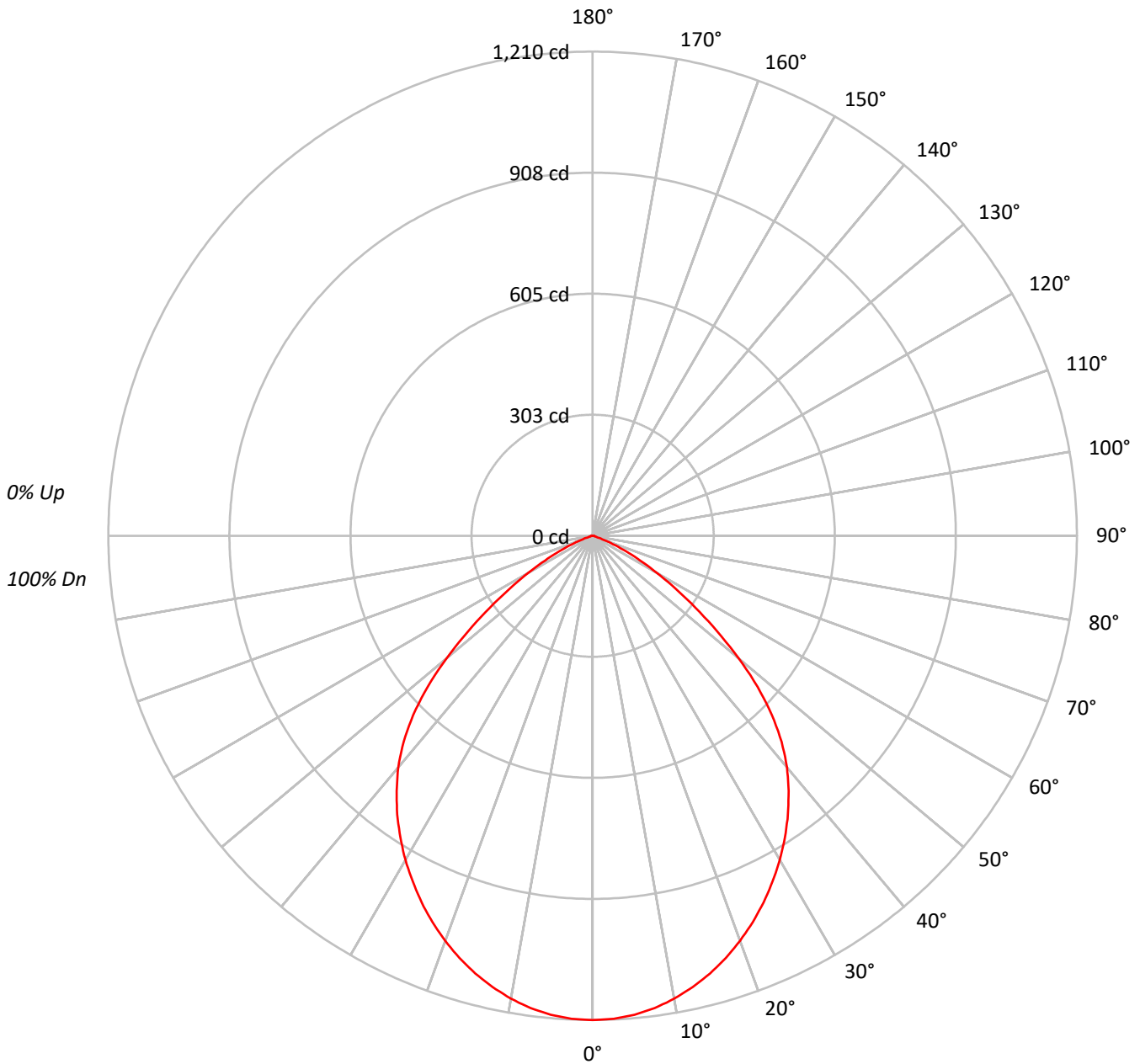
Lumens per Lamp: N/A
Luminaire Lumens: 2305.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	65	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°	148690
5°	148185
10°	146555
15°	144027
20°	140805
25°	137045
30°	132723
35°	127615
40°	121178
45°	110169
50°	90957
55°	66977
60°	45456
65°	26628
70°	10525
75°	2373
80°	3113
85°	5215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	4.9
10°-20°	318.9	13.8
20°-30°	465.1	20.2
30°-40°	530.9	23.0
40°-50°	482.7	20.9
50°-60°	284.7	12.3
60°-70°	95.5	4.1
70°-80°	10.0	0.4
80°-90°	3.5	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°	897.8	39.0
0°-40°	1428.8	62.0
0°-60°	2196.1	95.3
0°-90°	2305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2305.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1210	
5°	1202	114
15°	1132	319
25°	1011	465
35°	851	531
45°	634	483
55°	313	285
65°	92	95
75°	5	10
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1210.3
2.5°	1208.4
5°	1201.6
7.5°	1190.4
10°	1174.8
12.5°	1154.9
15°	1132.4
17.5°	1106.3
20°	1077.0
22.5°	1045.2
25°	1011.0
27.5°	973.6
30°	935.6
32.5°	893.9
35°	850.9
37.5°	804.2
40°	755.6
42.5°	698.9
45°	634.1
47.5°	559.4
50°	475.9
52.5°	392.4
55°	312.7
57.5°	244.8
60°	185.0
62.5°	133.9
65°	91.6
67.5°	56.1
70°	29.3
72.5°	11.2
75°	5.0
77.5°	5.0
80°	4.4
82.5°	3.7
85°	3.7
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)