

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: P839372

Luminaire Tested: **LD4C70D010 EU4709027 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C70D010 EU4709027 4LBSH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

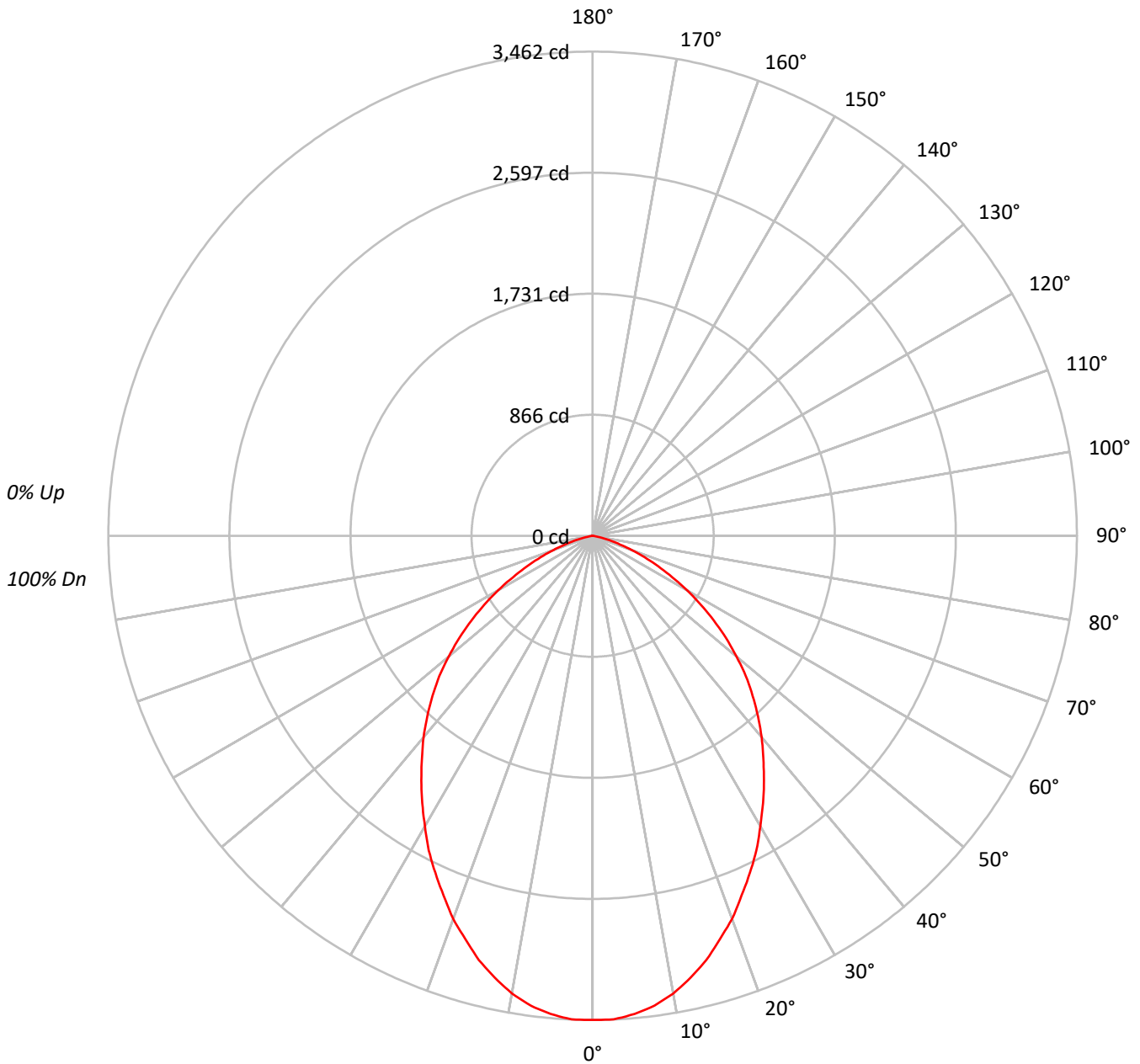
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6619.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	425282
5°	423318
10°	414577
15°	399508
20°	381114
25°	360573
30°	340135
35°	320245
40°	301535
45°	281096
50°	256300
55°	226354
60°	191602
65°	150435
70°	107365
75°	58812
80°	10400
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.3	4.9
10°-20°	881.3	13.3
20°-30°	1223.9	18.5
30°-40°	1335.6	20.2
40°-50°	1245.9	18.8
50°-60°	945.7	14.3
60°-70°	517.8	7.8
70°-80°	142.5	2.2
80°-90°	2.0	0.0
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°	2429.5	36.7
0°-40°	3765.1	56.9
0°-60°	5956.7	90.0
0°-90°	6619.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6619.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3462	
5°	3433	324
15°	3141	881
25°	2660	1224
35°	2135	1336
45°	1618	1246
55°	1057	946
65°	518	518
75°	124	143
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3461.7
2.5°	3461.7
5°	3432.6
7.5°	3388.9
10°	3323.3
12.5°	3235.9
15°	3141.1
17.5°	3024.6
20°	2915.1
22.5°	2783.9
25°	2660.0
27.5°	2536.2
30°	2397.7
32.5°	2266.5
35°	2135.3
37.5°	2004.1
40°	1880.2
42.5°	1749.0
45°	1617.9
47.5°	1486.7
50°	1341.0
52.5°	1202.4
55°	1056.8
57.5°	918.2
60°	779.8
62.5°	641.4
65°	517.5
67.5°	400.8
70°	298.9
72.5°	204.1
75°	123.9
77.5°	58.3
80°	14.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)