

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: P839390

Luminaire Tested: **LD4C75D010 EU4759030 4LBSH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P839390
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: LD4C75D010 EU4759030 4LBSH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

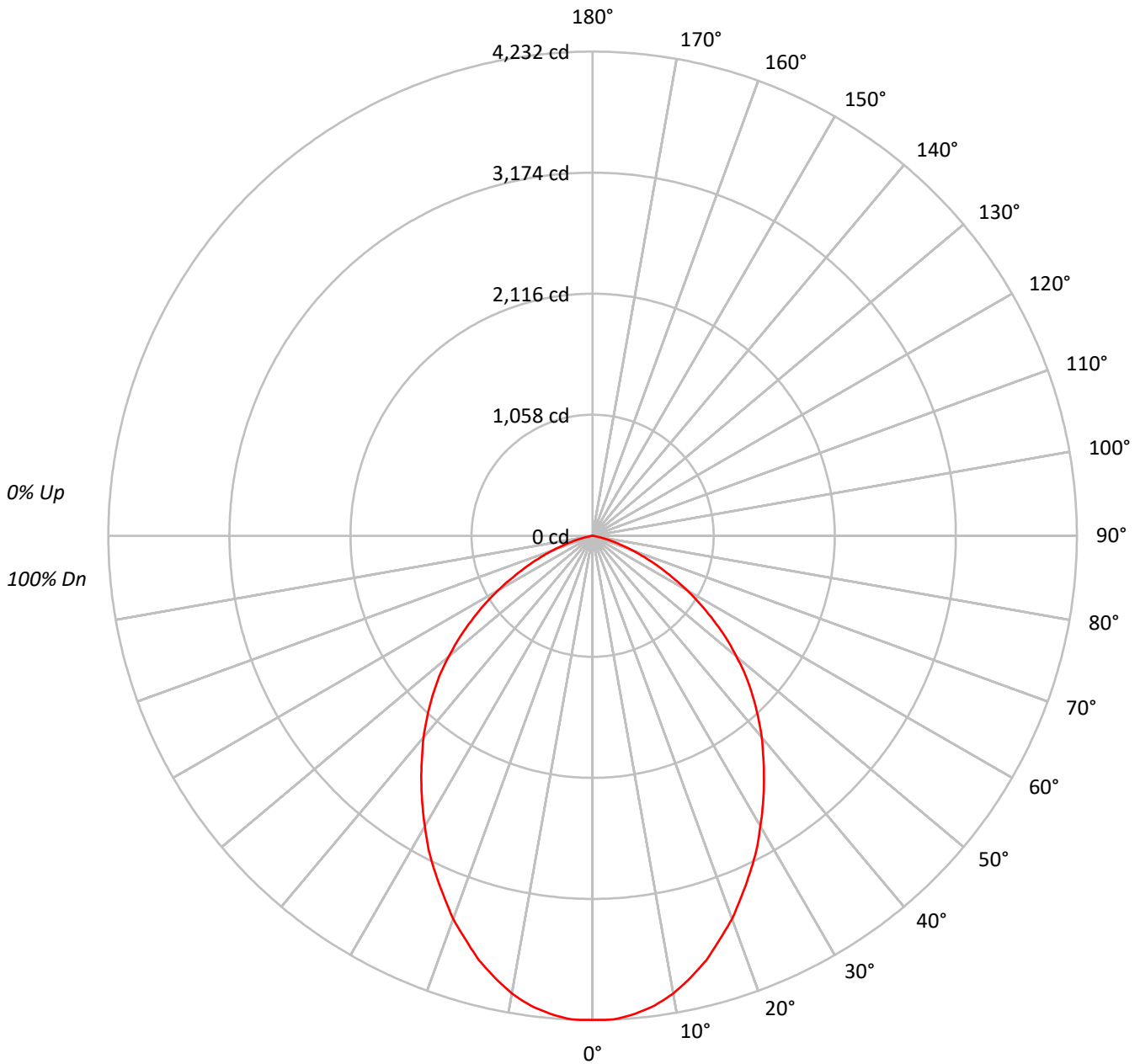
Lumens per Lamp: N/A
Luminaire Lumens: 8091.9 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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°	519928
5°	517512
10°	506829
15°	488412
20°	465924
25°	440821
30°	415817
35°	391513
40°	368635
45°	343642
50°	313351
55°	276732
60°	234232
65°	183894
70°	131252
75°	71912
80°	12664
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.4	4.9
10°-20°	1077.5	13.3
20°-30°	1496.3	18.5
30°-40°	1632.8	20.2
40°-50°	1523.2	18.8
50°-60°	1156.1	14.3
60°-70°	633.0	7.8
70°-80°	174.2	2.2
80°-90°	2.4	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°	2970.2	36.7
0°-40°	4603.0	56.9
0°-60°	7282.3	90.0
0°-90°	8091.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8091.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4232	
5°	4196	396
15°	3840	1077
25°	3252	1496
35°	2610	1633
45°	1978	1523
55°	1292	1156
65°	633	633
75°	152	174
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4232.1
2.5°	4232.1
5°	4196.4
7.5°	4143.1
10°	4062.8
12.5°	3956.0
15°	3840.1
17.5°	3697.6
20°	3563.8
22.5°	3403.5
25°	3252.0
27.5°	3100.7
30°	2931.2
32.5°	2770.9
35°	2610.5
37.5°	2450.1
40°	2298.6
42.5°	2138.3
45°	1977.9
47.5°	1817.5
50°	1639.5
52.5°	1470.0
55°	1292.0
57.5°	1122.5
60°	953.3
62.5°	784.1
65°	632.6
67.5°	489.9
70°	365.4
72.5°	249.5
75°	151.5
77.5°	71.2
80°	17.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)