

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: P839387

Luminaire Tested: **LD4C75D010 EU4759027 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839387
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 EU4759027 4LBSH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

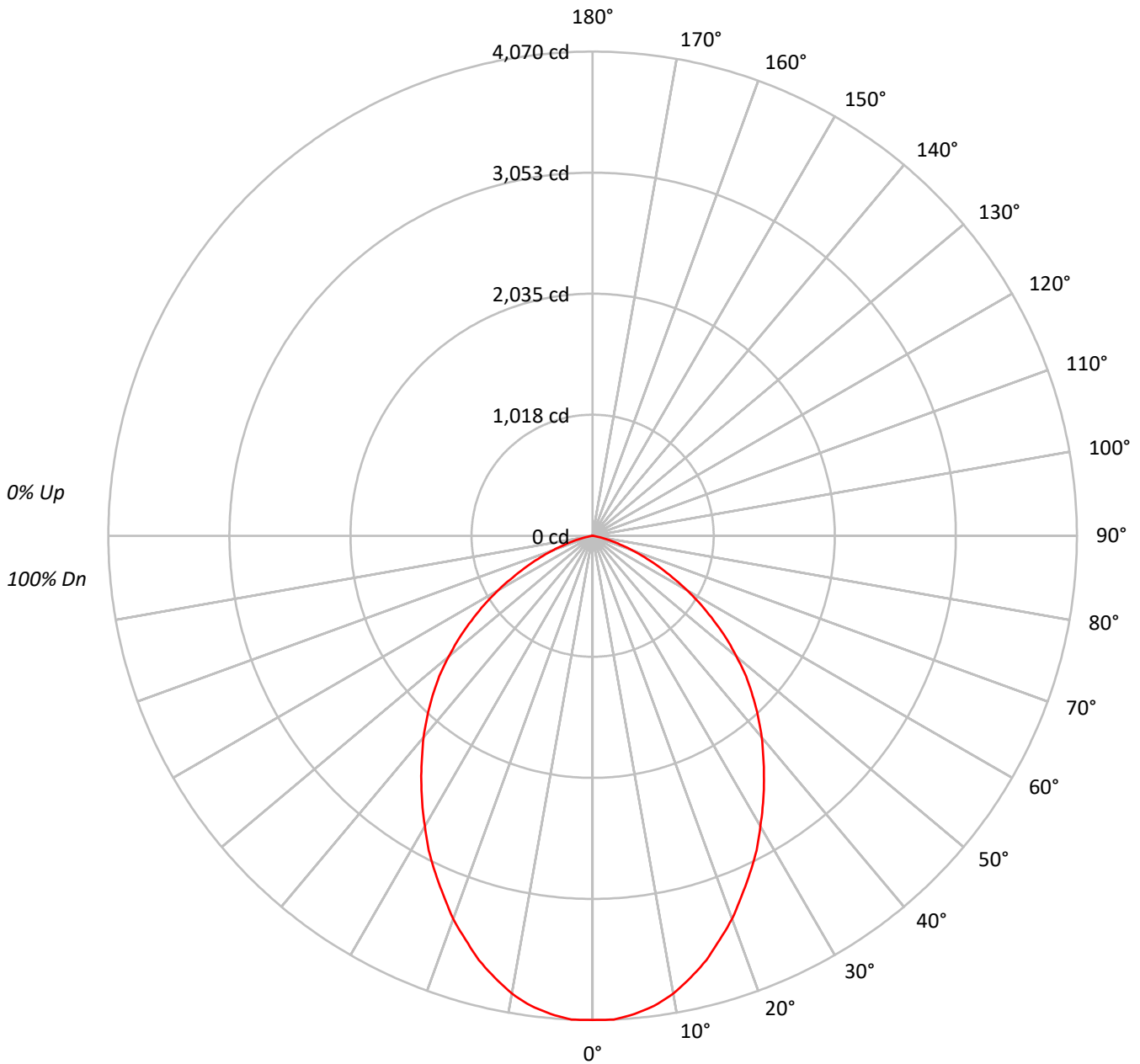
Lumens per Lamp: N/A
Luminaire Lumens: 7783.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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				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			
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°	500063
5°	497755
10°	487480
15°	469766
20°	448130
25°	423985
30°	399943
35°	376561
40°	354554
45°	330525
50°	301387
55°	266151
60°	225289
65°	176859
70°	126223
75°	69159
80°	12169
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.3	4.9
10°-20°	1036.3	13.3
20°-30°	1439.2	18.5
30°-40°	1570.5	20.2
40°-50°	1465.0	18.8
50°-60°	1112.0	14.3
60°-70°	608.9	7.8
70°-80°	167.6	2.2
80°-90°	2.3	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°	2856.8	36.7
0°-40°	4427.2	56.9
0°-60°	7004.2	90.0
0°-90°	7783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7783.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4070	
5°	4036	381
15°	3694	1036
25°	3128	1439
35°	2511	1570
45°	1902	1465
55°	1243	1112
65°	608	609
75°	146	168
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4070.4
2.5°	4070.4
5°	4036.2
7.5°	3984.9
10°	3907.7
12.5°	3804.9
15°	3693.5
17.5°	3556.4
20°	3427.7
22.5°	3273.5
25°	3127.8
27.5°	2982.3
30°	2819.3
32.5°	2665.1
35°	2510.8
37.5°	2356.6
40°	2210.8
42.5°	2056.6
45°	1902.4
47.5°	1748.1
50°	1576.9
52.5°	1413.9
55°	1242.6
57.5°	1079.7
60°	916.9
62.5°	754.2
65°	608.4
67.5°	471.2
70°	351.4
72.5°	240.0
75°	145.7
77.5°	68.5
80°	17.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)