

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: P839207

Luminaire Tested: **LD4C15D010 EU4159027 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839207
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: LD4C15D010 EU4159027 4LBSH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

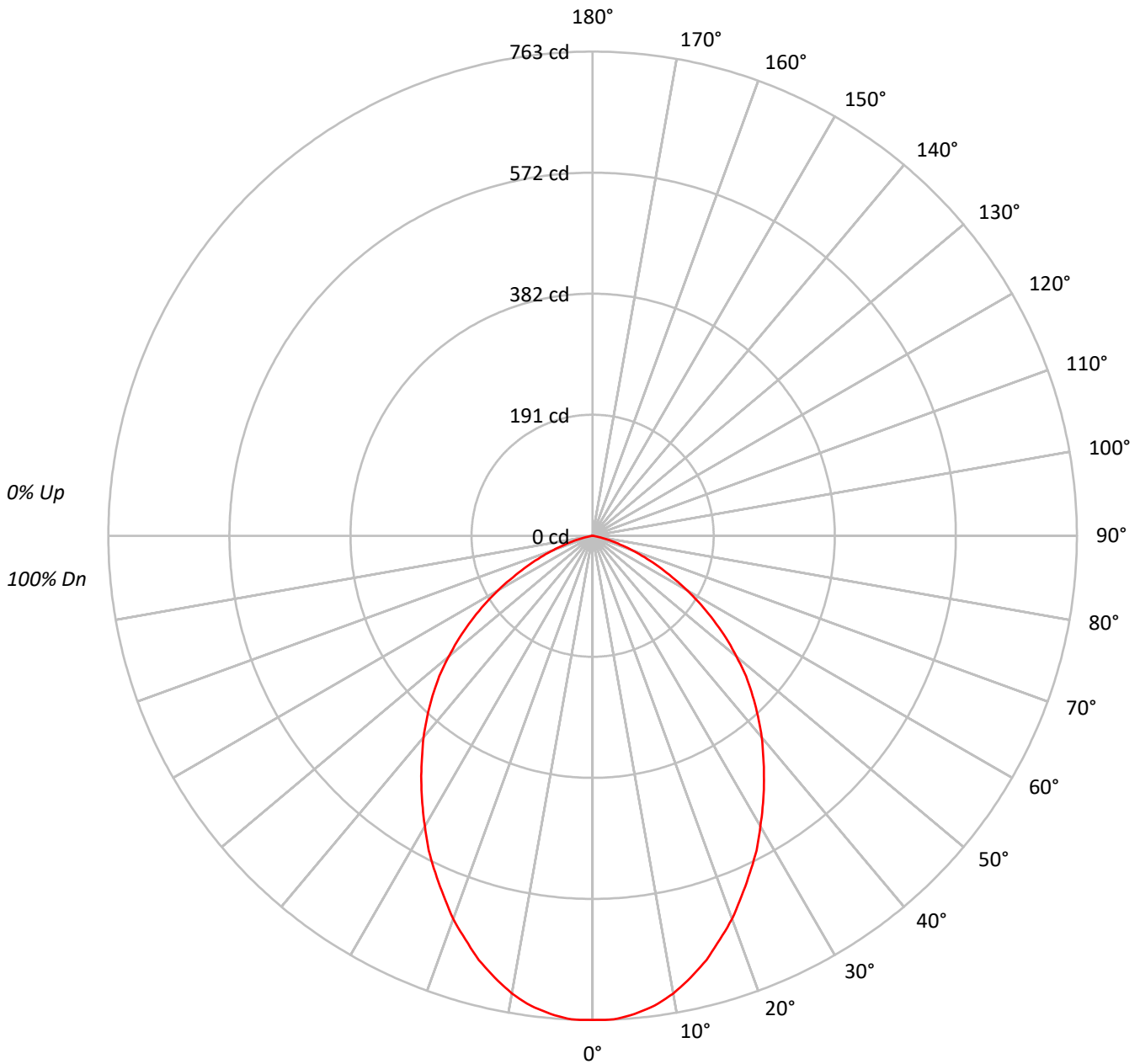
Lumens per Lamp: N/A
Luminaire Lumens: 1459.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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°	93737
5°	93306
10°	91378
15°	88064
20°	84012
25°	79475
30°	74972
35°	70594
40°	66459
45°	61956
50°	56497
55°	49885
60°	42237
65°	33168
70°	23671
75°	12958
80°	2264
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	4.9
10°-20°	194.3	13.3
20°-30°	269.8	18.5
30°-40°	294.4	20.2
40°-50°	274.6	18.8
50°-60°	208.5	14.3
60°-70°	114.1	7.8
70°-80°	31.4	2.2
80°-90°	0.4	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°	535.5	36.7
0°-40°	829.9	56.9
0°-60°	1313.0	90.0
0°-90°	1459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1459.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	763	
5°	757	71
15°	692	194
25°	586	270
35°	471	294
45°	357	275
55°	233	208
65°	114	114
75°	27	31
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	763.0
2.5°	763.0
5°	756.6
7.5°	747.0
10°	732.5
12.5°	713.3
15°	692.4
17.5°	666.7
20°	642.6
22.5°	613.7
25°	586.3
27.5°	559.1
30°	528.5
32.5°	499.6
35°	470.7
37.5°	441.8
40°	414.4
42.5°	385.5
45°	356.6
47.5°	327.7
50°	295.6
52.5°	265.1
55°	232.9
57.5°	202.4
60°	171.9
62.5°	141.4
65°	114.1
67.5°	88.3
70°	65.9
72.5°	45.0
75°	27.3
77.5°	12.8
80°	3.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)