

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: P839206

Luminaire Tested: **LD4C15D010 EU4159027 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15D010 EU4159027 4LBPSMW
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

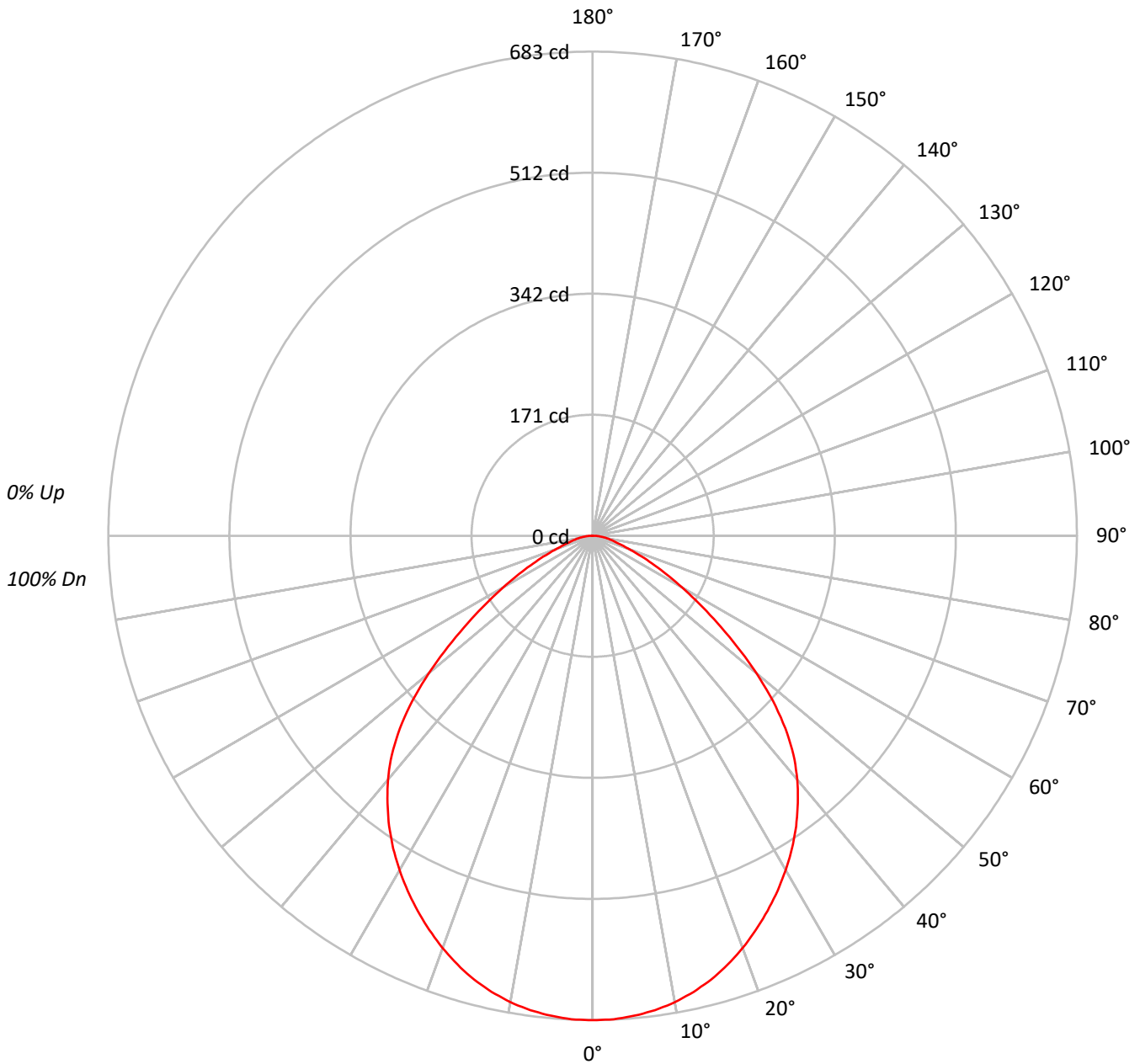
Lumens per Lamp: N/A
Luminaire Lumens: 1457.1 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83946
5°	83810
10°	83357
15°	82392
20°	80901
25°	79136
30°	77256
35°	75048
40°	72040
45°	66821
50°	57567
55°	45922
60°	35750
65°	26773
70°	19433
75°	15379
80°	14433
85°	14378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	4.4
10°-20°	182.4	12.5
20°-30°	268.8	18.5
30°-40°	312.3	21.4
40°-50°	293.6	20.1
50°-60°	194.3	13.3
60°-70°	93.7	6.4
70°-80°	36.1	2.5
80°-90°	11.3	0.8
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°	515.8	35.4
0°-40°	828.1	56.8
0°-60°	1316.0	90.3
0°-90°	1457.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1457.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	683	
5°	680	65
15°	648	182
25°	584	269
35°	500	312
45°	385	294
55°	214	194
65°	92	94
75°	32	36
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	683.3
2.5°	682.7
5°	679.6
7.5°	675.0
10°	668.2
12.5°	658.9
15°	647.8
17.5°	634.2
20°	618.8
22.5°	601.8
25°	583.8
27.5°	564.7
30°	544.6
32.5°	523.3
35°	500.4
37.5°	475.4
40°	449.2
42.5°	419.5
45°	384.6
47.5°	345.1
50°	301.2
52.5°	256.7
55°	214.4
57.5°	177.9
60°	145.5
62.5°	116.5
65°	92.1
67.5°	71.4
70°	54.1
72.5°	41.1
75°	32.4
77.5°	26.3
80°	20.4
82.5°	15.1
85°	10.2
87.5°	5.9
90°	0.0



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— 0°-180°







(END OF REPORT)