

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: P839338

Luminaire Tested: **LD4C55D010 EU4559050 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839338
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: LD4C55D010 EU4559050 4LBPSMW
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

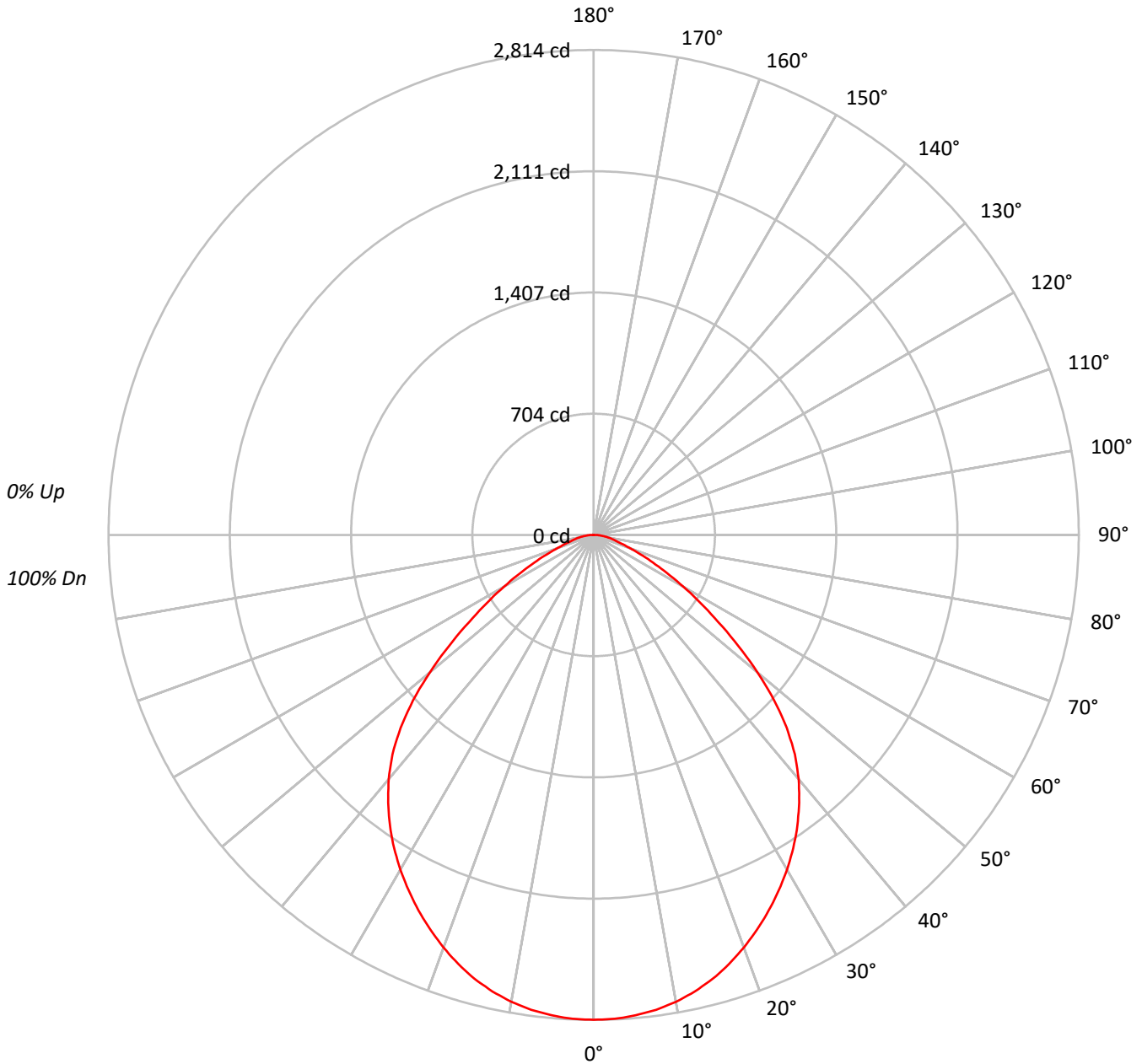
Lumens per Lamp: N/A
Luminaire Lumens: 5999.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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
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°	345648
5°	345082
10°	343196
15°	339234
20°	333068
25°	325858
30°	318105
35°	309026
40°	296595
45°	275119
50°	237015
55°	189064
60°	147203
65°	110174
70°	79958
75°	63416
80°	59358
85°	59203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.6	4.4
10°-20°	751.1	12.5
20°-30°	1106.9	18.5
30°-40°	1285.9	21.4
40°-50°	1208.7	20.1
50°-60°	800.1	13.3
60°-70°	385.5	6.4
70°-80°	148.7	2.5
80°-90°	46.4	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°	2123.7	35.4
0°-40°	3409.6	56.8
0°-60°	5418.4	90.3
0°-90°	5999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5999.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2814	
5°	2798	266
15°	2667	751
25°	2404	1107
35°	2060	1286
45°	1584	1209
55°	883	800
65°	379	386
75°	134	149
85°	42	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2813.5
2.5°	2810.9
5°	2798.2
7.5°	2779.1
10°	2751.1
12.5°	2713.0
15°	2667.2
17.5°	2611.2
20°	2547.6
22.5°	2477.7
25°	2403.9
27.5°	2325.1
30°	2242.4
32.5°	2154.6
35°	2060.5
37.5°	1957.5
40°	1849.4
42.5°	1727.3
45°	1583.5
47.5°	1420.7
50°	1240.1
52.5°	1057.0
55°	882.7
57.5°	732.6
60°	599.1
62.5°	479.5
65°	379.0
67.5°	293.8
70°	222.6
72.5°	169.2
75°	133.6
77.5°	108.1
80°	83.9
82.5°	62.3
85°	42.0
87.5°	24.2
90°	0.0



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— 0°-180°







(END OF REPORT)