

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: P839335

Luminaire Tested: **LD4C55D010 EU4559040 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839335
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 EU4559040 4LBPSMW
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

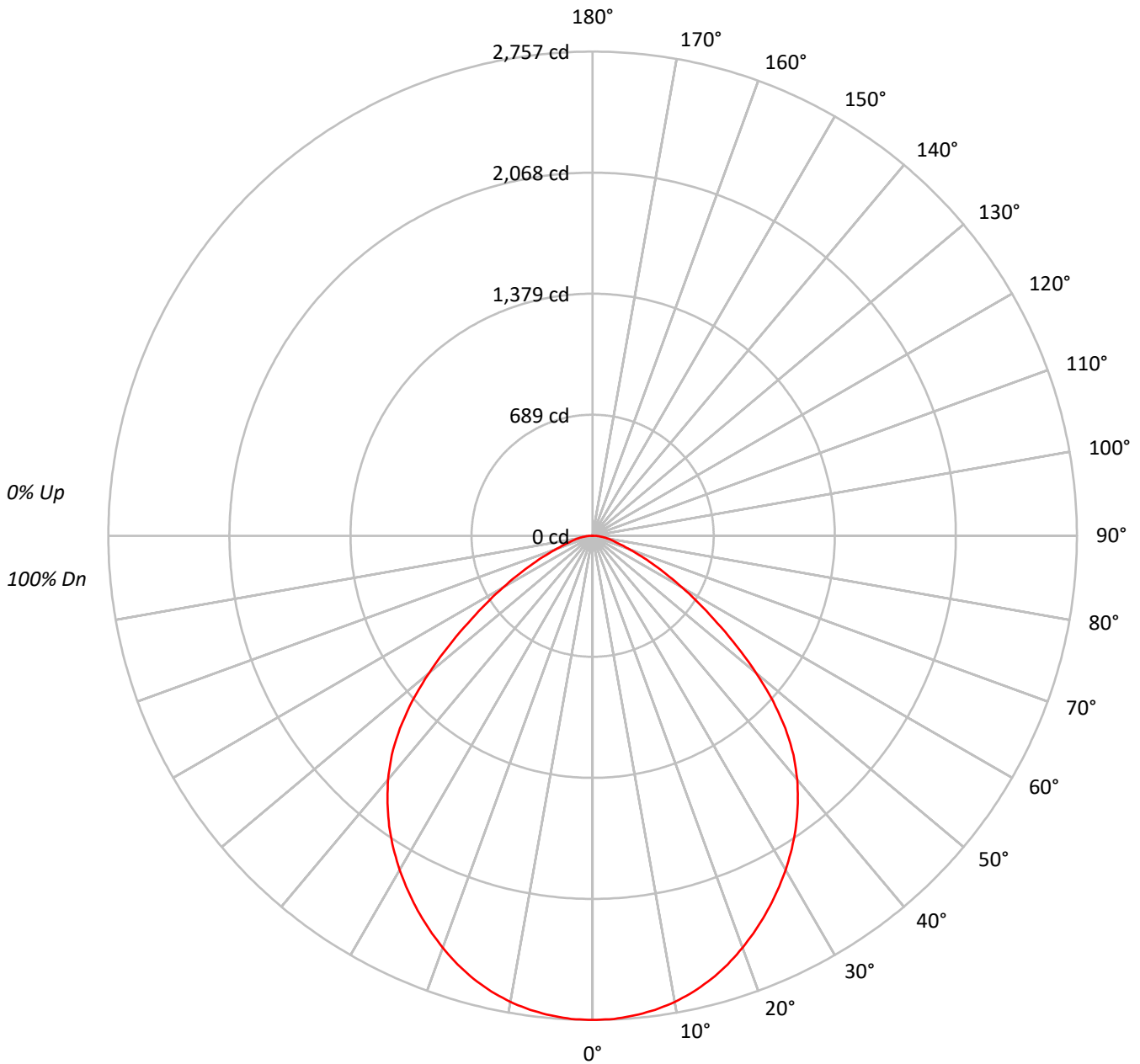
Lumens per Lamp: N/A
Luminaire Lumens: 5878.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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																	
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	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°	338670
5°	338126
10°	336285
15°	332391
20°	326361
25°	319283
30°	311678
35°	302787
40°	290613
45°	269577
50°	232237
55°	185252
60°	144230
65°	107965
70°	78341
75°	62134
80°	58226
85°	57934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.3	4.4
10°-20°	736.0	12.5
20°-30°	1084.6	18.5
30°-40°	1260.0	21.4
40°-50°	1184.3	20.1
50°-60°	783.9	13.3
60°-70°	377.8	6.4
70°-80°	145.7	2.5
80°-90°	45.5	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°	2080.9	35.4
0°-40°	3340.8	56.8
0°-60°	5309.1	90.3
0°-90°	5878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5878.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2757	
5°	2742	260
15°	2613	736
25°	2355	1085
35°	2019	1260
45°	1552	1184
55°	865	784
65°	371	378
75°	131	146
85°	41	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2756.7
2.5°	2754.2
5°	2741.8
7.5°	2723.1
10°	2695.7
12.5°	2658.3
15°	2613.4
17.5°	2558.6
20°	2496.3
22.5°	2427.7
25°	2355.4
27.5°	2278.2
30°	2197.1
32.5°	2111.2
35°	2018.9
37.5°	1918.0
40°	1812.1
42.5°	1692.4
45°	1551.6
47.5°	1392.1
50°	1215.1
52.5°	1035.6
55°	864.9
57.5°	717.8
60°	587.0
62.5°	469.8
65°	371.4
67.5°	287.9
70°	218.1
72.5°	165.8
75°	130.9
77.5°	105.9
80°	82.3
82.5°	61.1
85°	41.1
87.5°	23.7
90°	0.0



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— 0°-180°







(END OF REPORT)