

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: P839362

Luminaire Tested: **LD4C65D010 EU4659035 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839362
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: LD4C65D010 EU4659035 4LBPSMW
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

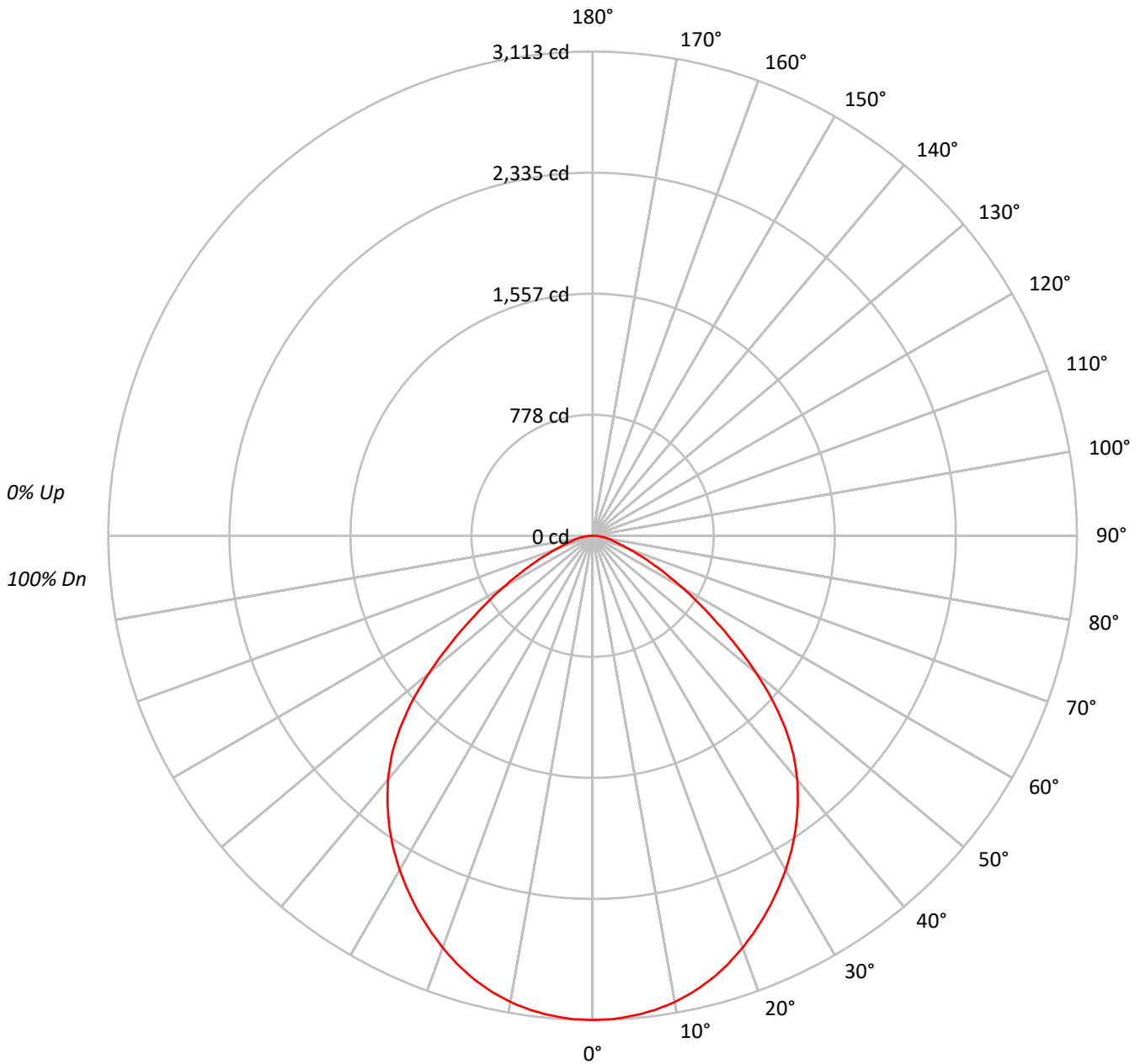
Lumens per Lamp: N/A
Luminaire Lumens: 6637.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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	100	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	382406
5°	381783
10°	379698
15°	375317
20°	368498
25°	360519
30°	351938
35°	341886
40°	328125
45°	304377
50°	262225
55°	209176
60°	162855
65°	121889
70°	88471
75°	70156
80°	65725
85°	65405



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.9	4.4
10°-20°	831.0	12.5
20°-30°	1224.7	18.5
30°-40°	1422.6	21.4
40°-50°	1337.2	20.1
50°-60°	885.2	13.3
60°-70°	426.5	6.4
70°-80°	164.5	2.5
80°-90°	51.3	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°	2349.6	35.4
0°-40°	3772.2	56.8
0°-60°	5994.6	90.3
0°-90°	6637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6637.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3113	
5°	3096	294
15°	2951	831
25°	2660	1225
35°	2280	1423
45°	1752	1337
55°	977	885
65°	419	427
75°	148	165
85°	46	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3112.7
2.5°	3109.9
5°	3095.8
7.5°	3074.7
10°	3043.7
12.5°	3001.5
15°	2950.9
17.5°	2888.9
20°	2818.6
22.5°	2741.2
25°	2659.6
27.5°	2572.3
30°	2480.9
32.5°	2383.8
35°	2279.6
37.5°	2165.6
40°	2046.0
42.5°	1910.9
45°	1751.9
47.5°	1571.8
50°	1372.0
52.5°	1169.4
55°	976.6
57.5°	810.5
60°	662.8
62.5°	530.5
65°	419.3
67.5°	325.1
70°	246.3
72.5°	187.2
75°	147.8
77.5°	119.6
80°	92.9
82.5°	69.0
85°	46.4
87.5°	26.7
90°	0.0



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— 0°-180°







(END OF REPORT)