

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: P839365

Luminaire Tested: **LD4C65D010 EU4659040 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839365
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 EU4659040 4LBPSMW
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

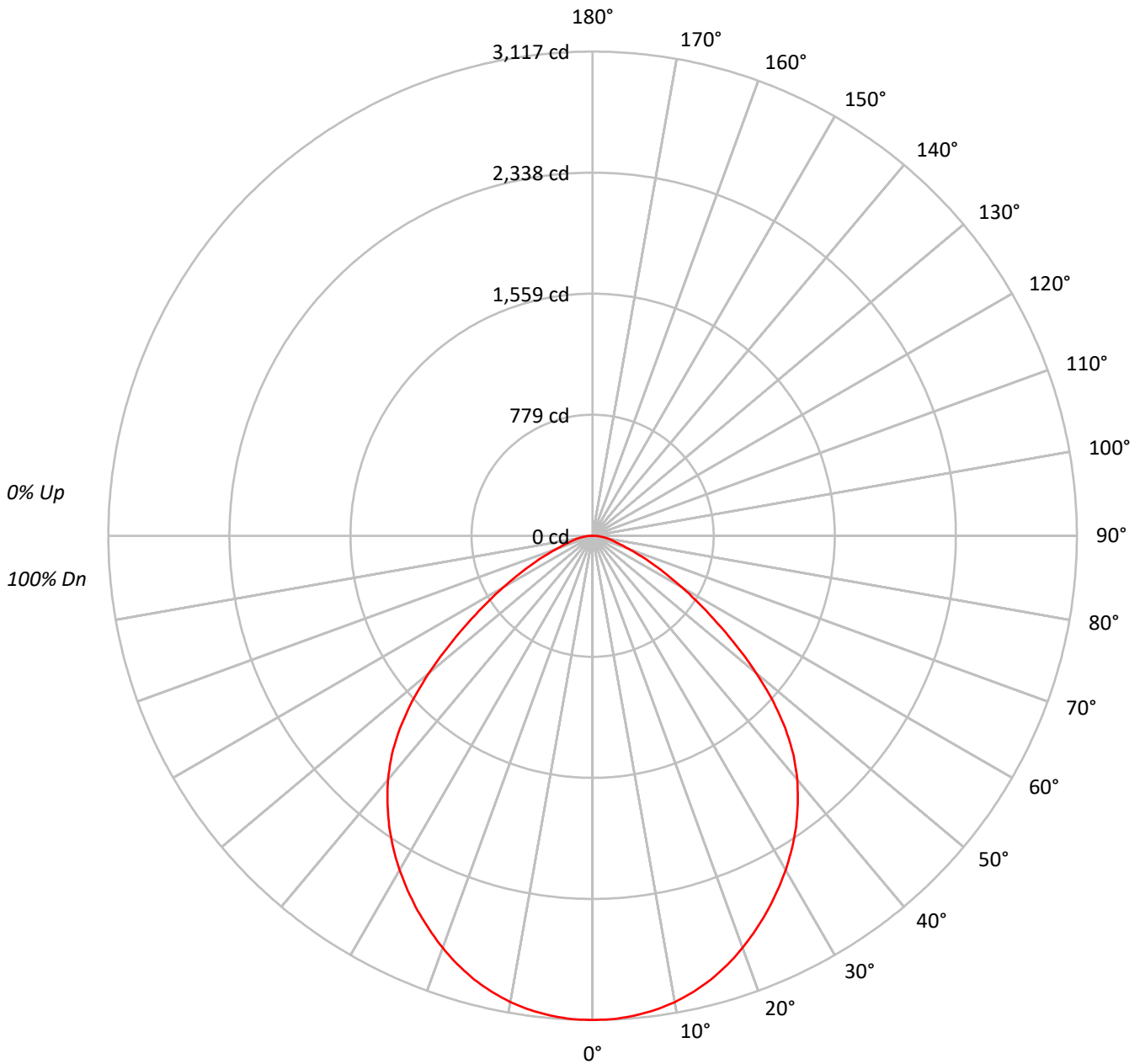
Lumens per Lamp: N/A
Luminaire Lumens: 6647.0 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	382983
5°	382362
10°	380271
15°	375877
20°	369047
25°	361061
30°	352463
35°	342411
40°	328622
45°	304846
50°	262626
55°	209498
60°	163100
65°	122092
70°	88579
75°	70251
80°	65796
85°	65546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.3	4.4
10°-20°	832.3	12.5
20°-30°	1226.5	18.5
30°-40°	1424.8	21.4
40°-50°	1339.3	20.1
50°-60°	886.5	13.3
60°-70°	427.2	6.4
70°-80°	164.7	2.5
80°-90°	51.4	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°	2353.1	35.4
0°-40°	3777.9	56.8
0°-60°	6003.7	90.3
0°-90°	6647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6647.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3117	
5°	3100	294
15°	2955	832
25°	2664	1227
35°	2283	1425
45°	1755	1339
55°	978	887
65°	420	427
75°	148	165
85°	46	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3117.4
2.5°	3114.6
5°	3100.5
7.5°	3079.3
10°	3048.3
12.5°	3006.0
15°	2955.3
17.5°	2893.3
20°	2822.8
22.5°	2745.3
25°	2663.6
27.5°	2576.2
30°	2484.6
32.5°	2387.4
35°	2283.1
37.5°	2168.9
40°	2049.1
42.5°	1913.8
45°	1754.6
47.5°	1574.2
50°	1374.1
52.5°	1171.1
55°	978.1
57.5°	811.8
60°	663.8
62.5°	531.3
65°	420.0
67.5°	325.5
70°	246.6
72.5°	187.4
75°	148.0
77.5°	119.8
80°	93.0
82.5°	69.1
85°	46.5
87.5°	26.8
90°	0.0



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— 0°-180°







(END OF REPORT)