

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: P839389

Luminaire Tested: **LD4C75D010 EU4759030 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839389
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: LD4C75D010 EU4759030 4LBPSMW
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

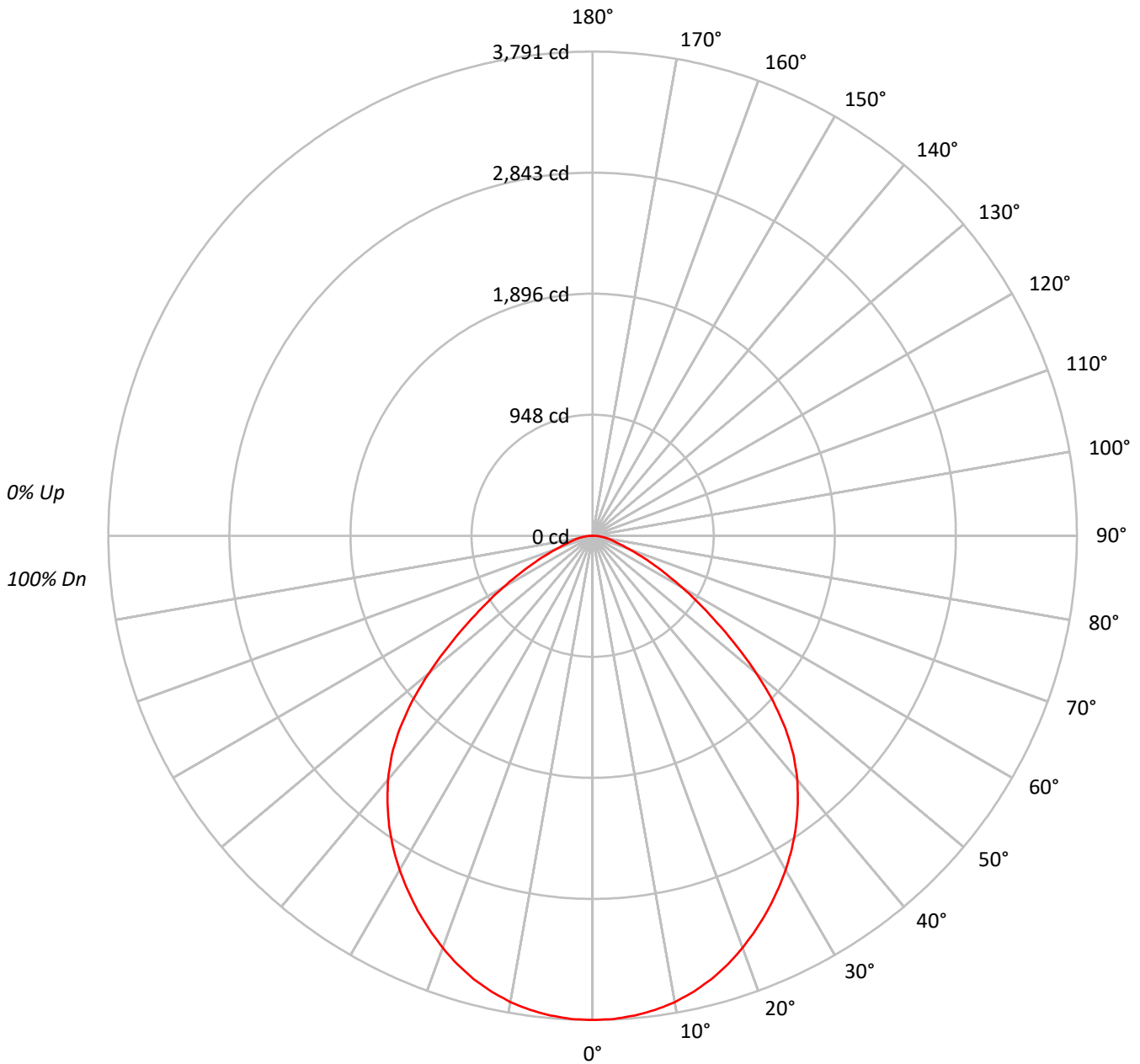
Lumens per Lamp: N/A
Luminaire Lumens: 8083.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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°	465713
5°	464964
10°	462431
15°	457086
20°	448784
25°	439059
30°	428613
35°	416379
40°	399619
45°	370694
50°	319353
55°	254734
60°	198335
65°	148458
70°	107724
75°	85393
80°	80017
85°	79783



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.9	4.4
10°-20°	1012.1	12.5
20°-30°	1491.5	18.5
30°-40°	1732.6	21.4
40°-50°	1628.6	20.1
50°-60°	1078.0	13.3
60°-70°	519.5	6.4
70°-80°	200.3	2.5
80°-90°	62.5	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°	2861.5	35.4
0°-40°	4594.1	56.8
0°-60°	7300.7	90.3
0°-90°	8083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8083.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3791	
5°	3770	358
15°	3594	1012
25°	3239	1491
35°	2776	1733
45°	2134	1629
55°	1189	1078
65°	511	519
75°	180	200
85°	57	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3790.8
2.5°	3787.4
5°	3770.3
7.5°	3744.6
10°	3706.9
12.5°	3655.5
15°	3593.8
17.5°	3518.4
20°	3432.7
22.5°	3338.4
25°	3239.0
27.5°	3132.8
30°	3021.4
32.5°	2903.1
35°	2776.3
37.5°	2637.5
40°	2491.8
42.5°	2327.3
45°	2133.6
47.5°	1914.3
50°	1670.9
52.5°	1424.1
55°	1189.3
57.5°	987.1
60°	807.2
62.5°	646.1
65°	510.7
67.5°	395.9
70°	299.9
72.5°	227.9
75°	179.9
77.5°	145.7
80°	113.1
82.5°	84.0
85°	56.6
87.5°	32.6
90°	0.0



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— 0°-180°







(END OF REPORT)