

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: P839447

Luminaire Tested: **LD6C100D010 EU61009030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839447
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: LD6C100D010 EU61009030 6LCSQWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

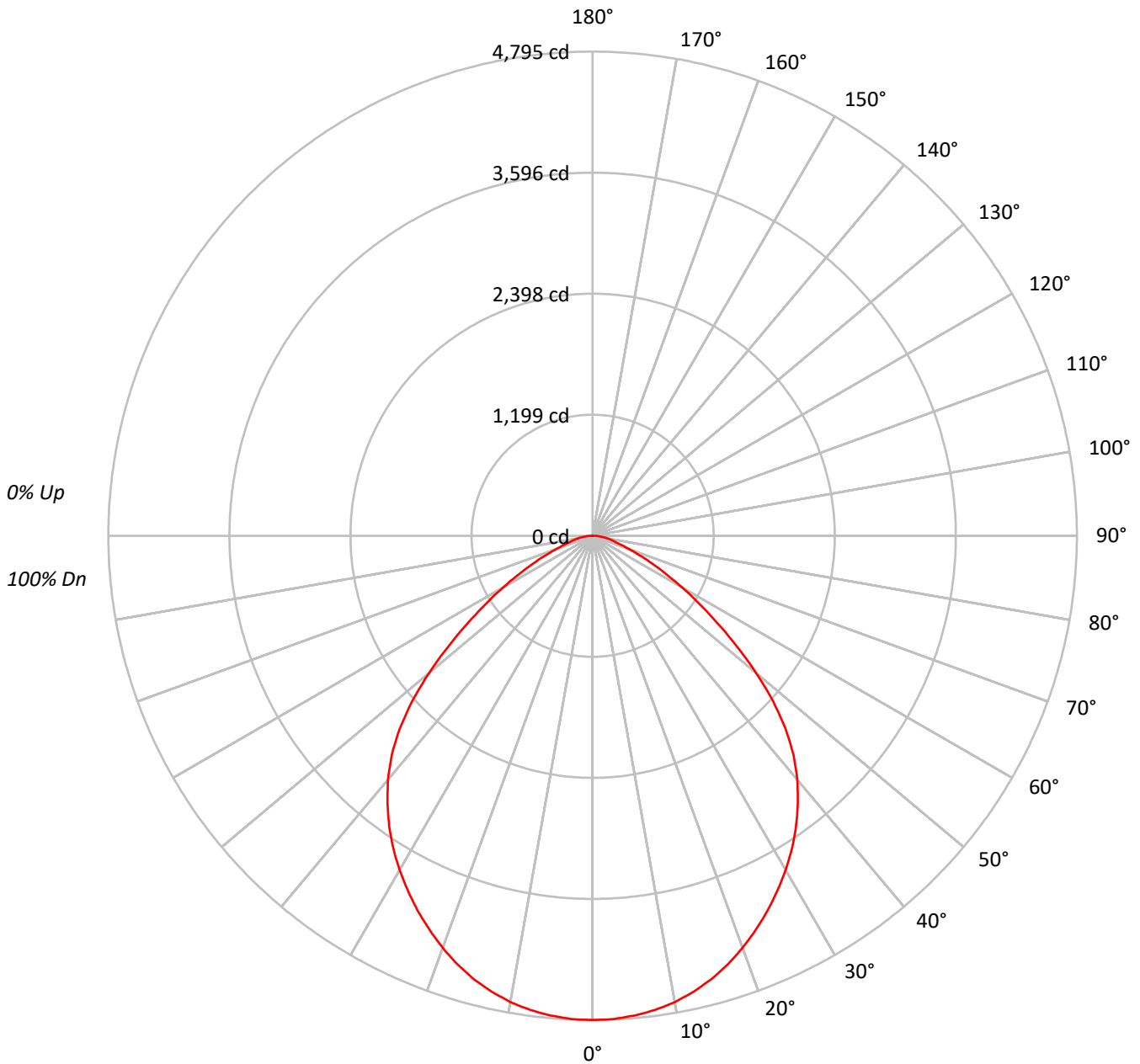
Lumens per Lamp: N/A
Luminaire Lumens: 10224.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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°	206448
5°	206112
10°	204989
15°	202622
20°	198941
25°	194630
30°	189996
35°	184579
40°	177147
45°	164330
50°	141568
55°	112928
60°	87920
65°	65813
70°	47749
75°	37862
80°	35481
85°	35322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.7	4.4
10°-20°	1280.2	12.5
20°-30°	1886.5	18.5
30°-40°	2191.5	21.4
40°-50°	2060.0	20.1
50°-60°	1363.6	13.3
60°-70°	657.1	6.4
70°-80°	253.4	2.5
80°-90°	79.0	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°	3619.4	35.4
0°-40°	5810.9	56.8
0°-60°	9234.5	90.3
0°-90°	10224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10224.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4795	
5°	4769	453
15°	4546	1280
25°	4097	1887
35°	3512	2192
45°	2699	2060
55°	1504	1364
65°	646	657
75°	228	253
85°	72	79
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4794.9
2.5°	4790.6
5°	4768.9
7.5°	4736.4
10°	4688.7
12.5°	4623.7
15°	4545.7
17.5°	4450.3
20°	4341.9
22.5°	4222.7
25°	4096.9
27.5°	3962.5
30°	3821.6
32.5°	3672.1
35°	3511.7
37.5°	3336.1
40°	3151.8
42.5°	2943.7
45°	2698.8
47.5°	2421.3
50°	2113.5
52.5°	1801.4
55°	1504.4
57.5°	1248.6
60°	1021.0
62.5°	817.2
65°	646.0
67.5°	500.7
70°	379.3
72.5°	288.3
75°	227.6
77.5°	184.3
80°	143.1
82.5°	106.2
85°	71.5
87.5°	41.2
90°	0.0



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— 0°-180°







(END OF REPORT)