

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: P839468

Luminaire Tested: **LD6C150D010 EU61509035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839468
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: LD6C150D010 EU61509035 6LCSQWLI
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

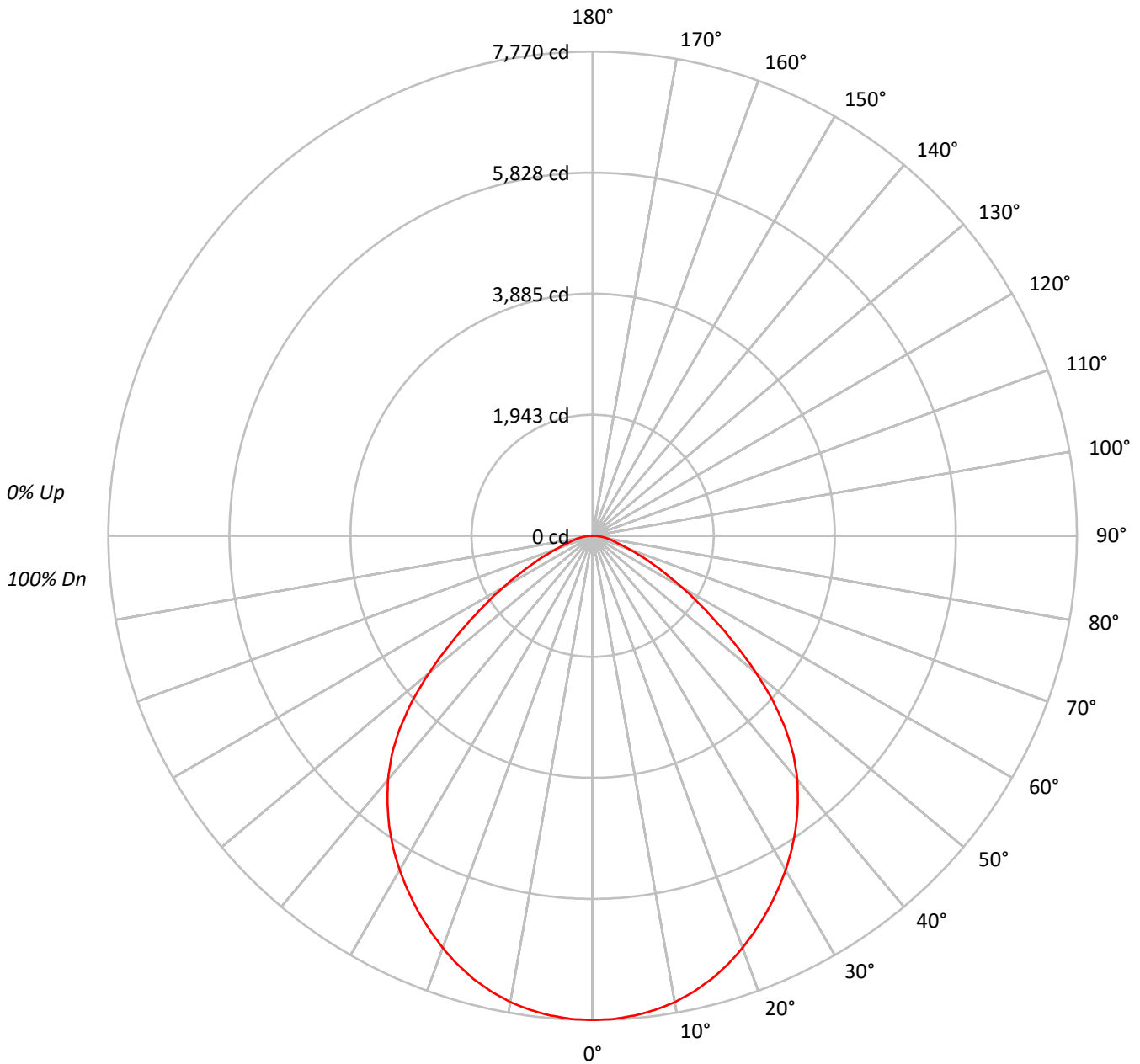
Lumens per Lamp: N/A
Luminaire Lumens: 16566.9 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 171.1
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°	334530
5°	333988
10°	332166
15°	328327
20°	322363
25°	315382
30°	307874
35°	299089
40°	287051
45°	266278
50°	229396
55°	182987
60°	142463
65°	106636
70°	77382
75°	61351
80°	57474
85°	57256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.6	4.4
10°-20°	2074.4	12.5
20°-30°	3056.9	18.5
30°-40°	3551.1	21.4
40°-50°	3338.0	20.1
50°-60°	2209.5	13.3
60°-70°	1064.7	6.4
70°-80°	410.6	2.5
80°-90°	128.1	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°	5864.9	35.4
0°-40°	9416.0	56.8
0°-60°	14963.6	90.3
0°-90°	16566.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16566.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7770	
5°	7728	734
15°	7366	2074
25°	6639	3057
35°	5690	3551
45°	4373	3338
55°	2438	2210
65°	1047	1065
75°	369	411
85°	116	128
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7769.7
2.5°	7762.7
5°	7727.6
7.5°	7674.9
10°	7597.6
12.5°	7492.3
15°	7365.8
17.5°	7211.2
20°	7035.6
22.5°	6842.4
25°	6638.7
27.5°	6420.9
30°	6192.6
32.5°	5950.2
35°	5690.3
37.5°	5405.8
40°	5107.2
42.5°	4770.0
45°	4373.1
47.5°	3923.5
50°	3424.7
52.5°	2918.9
55°	2437.7
57.5°	2023.2
60°	1654.4
62.5°	1324.2
65°	1046.7
67.5°	811.4
70°	614.7
72.5°	467.2
75°	368.8
77.5°	298.6
80°	231.8
82.5°	172.1
85°	115.9
87.5°	66.7
90°	0.0



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— 0°-180°







(END OF REPORT)