

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: P839435

Luminaire Tested: **LD6C02D010 EU6029050 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839435
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: LD6C02D010 EU6029050 6LCSQWLI
Description: 6 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

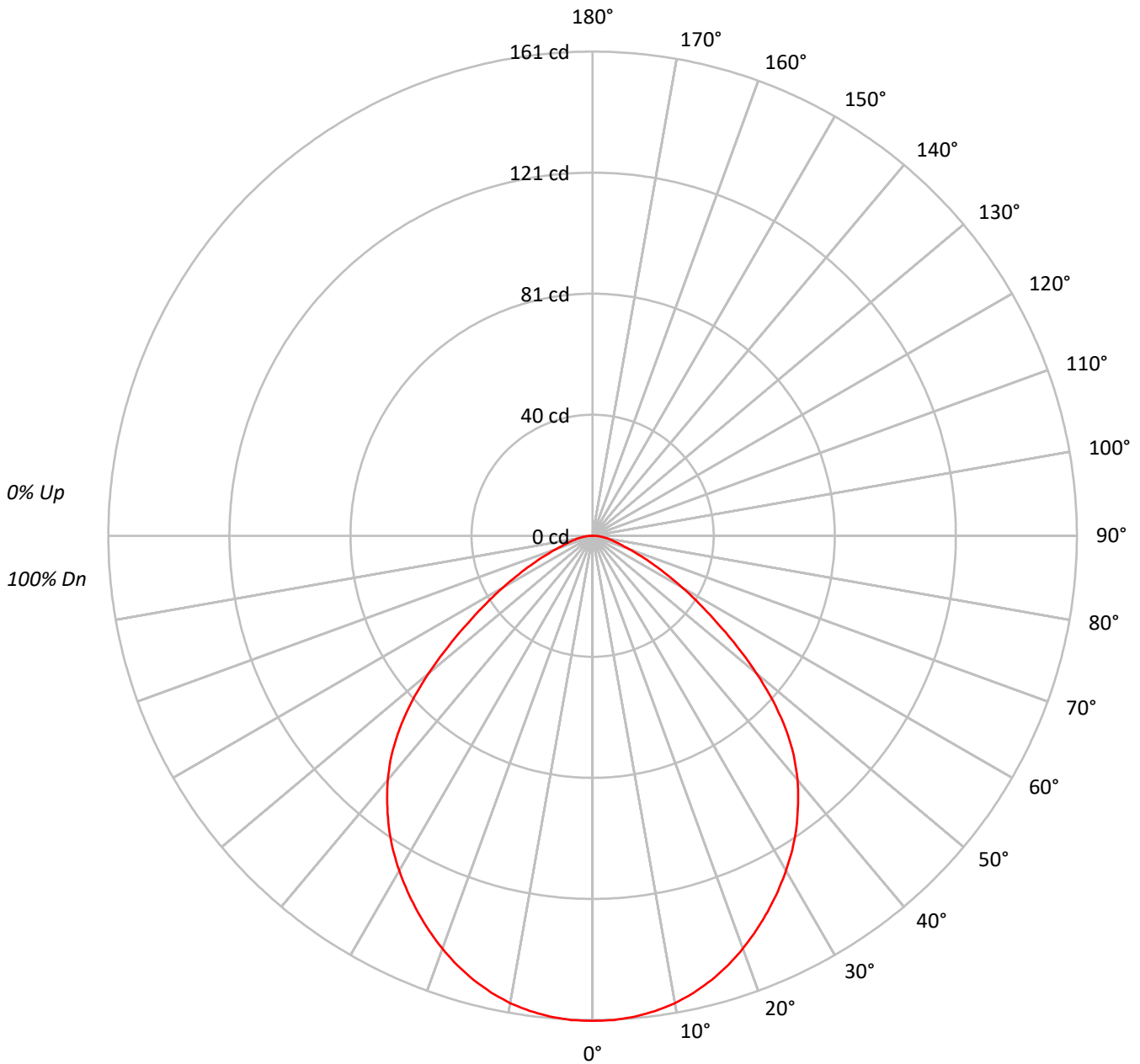
Lumens per Lamp: N/A
Luminaire Lumens: 344.0 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 3.5
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°	6945
5°	6937
10°	6899
15°	6815
20°	6694
25°	6546
30°	6394
35°	6213
40°	5958
45°	5529
50°	4762
55°	3798
60°	2962
65°	2211
70°	1611
75°	1281
80°	1190
85°	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	4.4
10°-20°	43.1	12.5
20°-30°	63.5	18.5
30°-40°	73.7	21.4
40°-50°	69.3	20.1
50°-60°	45.9	13.3
60°-70°	22.1	6.4
70°-80°	8.5	2.5
80°-90°	2.7	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°	121.8	35.4
0°-40°	195.5	56.8
0°-60°	310.7	90.3
0°-90°	344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	161	
5°	160	15
15°	153	43
25°	138	63
35°	118	74
45°	91	69
55°	51	46
65°	22	22
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	161.3
2.5°	161.2
5°	160.5
7.5°	159.4
10°	157.8
12.5°	155.6
15°	152.9
17.5°	149.7
20°	146.1
22.5°	142.1
25°	137.8
27.5°	133.3
30°	128.6
32.5°	123.6
35°	118.2
37.5°	112.2
40°	106.0
42.5°	99.0
45°	90.8
47.5°	81.5
50°	71.1
52.5°	60.6
55°	50.6
57.5°	42.0
60°	34.4
62.5°	27.5
65°	21.7
67.5°	16.8
70°	12.8
72.5°	9.7
75°	7.7
77.5°	6.2
80°	4.8
82.5°	3.6
85°	2.4
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)