

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: P839452

Luminaire Tested: **LD6C10D010 EU6109030 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839452
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: LD6C10D010 EU6109030 6LCSQWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

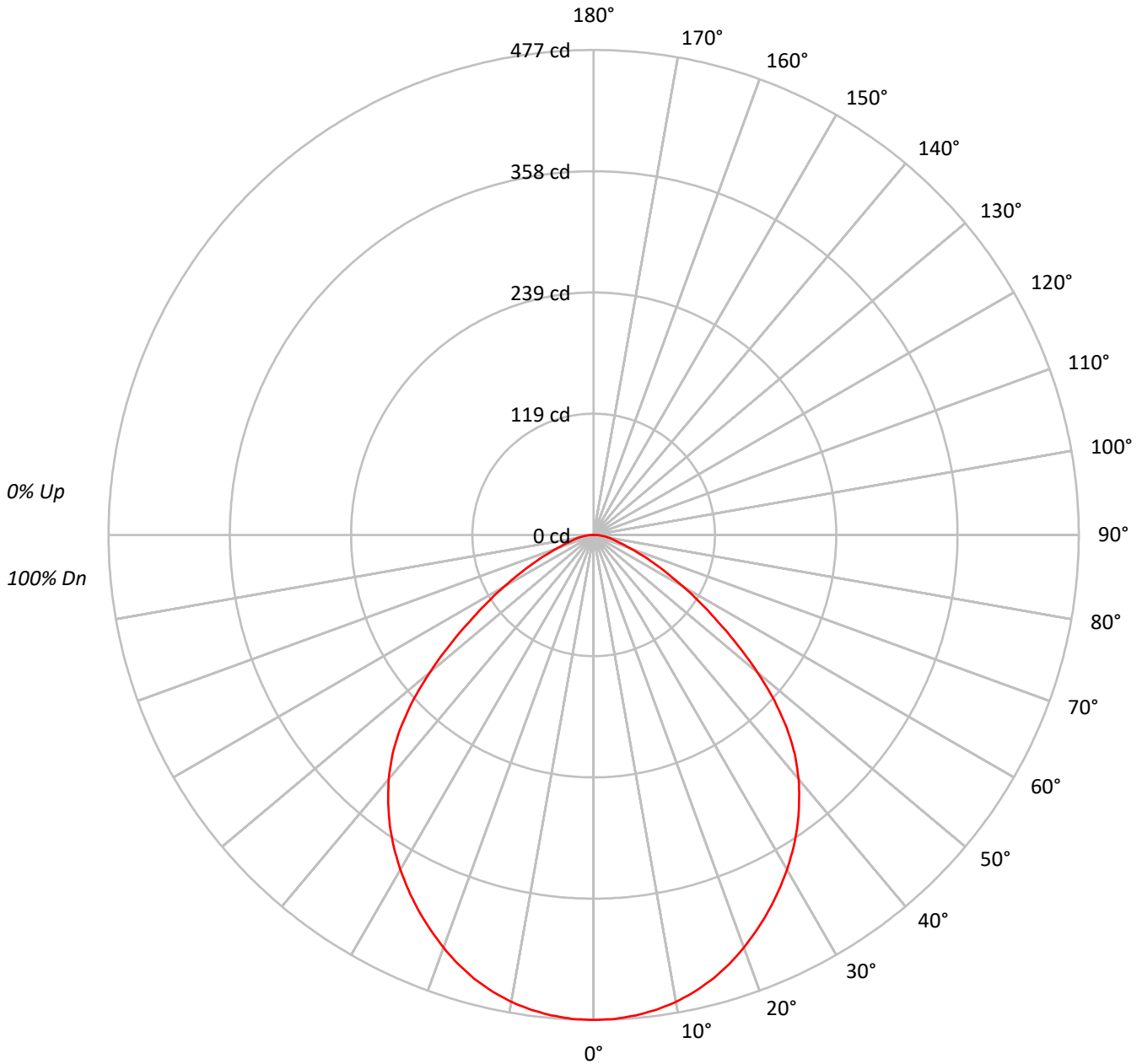
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1017.0 lumens
Efficiency: N/A
Efficacy: 103.8 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): 9.8
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°	20538
5°	20504
10°	20391
15°	20157
20°	19789
25°	19359
30°	18897
35°	18360
40°	17620
45°	16349
50°	14080
55°	11230
60°	8749
65°	6551
70°	4746
75°	3760
80°	3521
85°	3507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	4.4
10°-20°	127.3	12.5
20°-30°	187.7	18.5
30°-40°	218.0	21.4
40°-50°	204.9	20.1
50°-60°	135.6	13.3
60°-70°	65.4	6.4
70°-80°	25.2	2.5
80°-90°	7.9	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°	360.0	35.4
0°-40°	578.0	56.8
0°-60°	918.6	90.3
0°-90°	1017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1017.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	477	
5°	474	45
15°	452	127
25°	408	188
35°	349	218
45°	268	205
55°	150	136
65°	64	65
75°	23	25
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	477.0
2.5°	476.5
5°	474.4
7.5°	471.1
10°	466.4
12.5°	459.9
15°	452.2
17.5°	442.7
20°	431.9
22.5°	420.0
25°	407.5
27.5°	394.2
30°	380.1
32.5°	365.3
35°	349.3
37.5°	331.8
40°	313.5
42.5°	292.8
45°	268.5
47.5°	240.9
50°	210.2
52.5°	179.2
55°	149.6
57.5°	124.2
60°	101.6
62.5°	81.3
65°	64.3
67.5°	49.8
70°	37.7
72.5°	28.7
75°	22.6
77.5°	18.3
80°	14.2
82.5°	10.6
85°	7.1
87.5°	4.1
90°	0.0



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— 0°-180°







(END OF REPORT)