

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: P839441

Luminaire Tested: **LD6C08D010 EU6089027 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839441
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: LD6C08D010 EU6089027 6LCSQWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

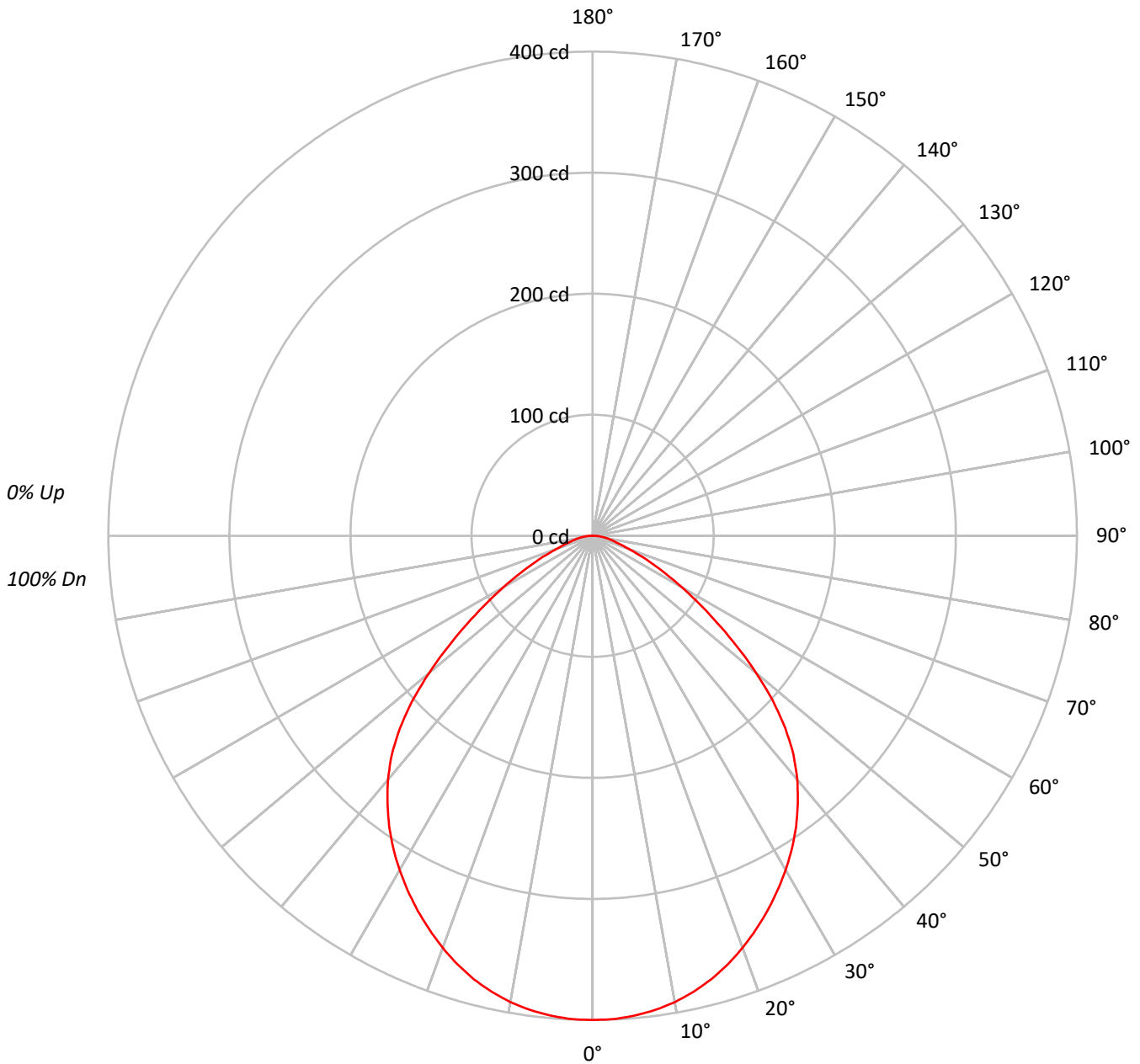
Lumens per Lamp: N/A
Luminaire Lumens: 853.0 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17222
5°	17197
10°	17103
15°	16903
20°	16596
25°	16238
30°	15850
35°	15400
40°	14782
45°	13712
50°	11809
55°	9421
60°	7337
65°	5491
70°	3978
75°	3161
80°	2951
85°	2964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	4.4
10°-20°	106.8	12.5
20°-30°	157.4	18.5
30°-40°	182.8	21.4
40°-50°	171.9	20.1
50°-60°	113.8	13.3
60°-70°	54.8	6.4
70°-80°	21.2	2.5
80°-90°	6.6	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°	302.0	35.4
0°-40°	484.8	56.8
0°-60°	770.5	90.3
0°-90°	853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	400	
5°	398	38
15°	379	107
25°	342	157
35°	293	183
45°	225	172
55°	126	114
65°	54	55
75°	19	21
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	400.0
2.5°	399.7
5°	397.9
7.5°	395.2
10°	391.2
12.5°	385.8
15°	379.2
17.5°	371.3
20°	362.2
22.5°	352.3
25°	341.8
27.5°	330.6
30°	318.8
32.5°	306.4
35°	293.0
37.5°	278.3
40°	263.0
42.5°	245.6
45°	225.2
47.5°	202.0
50°	176.3
52.5°	150.3
55°	125.5
57.5°	104.2
60°	85.2
62.5°	68.2
65°	53.9
67.5°	41.8
70°	31.6
72.5°	24.1
75°	19.0
77.5°	15.4
80°	11.9
82.5°	8.9
85°	6.0
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)