

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: P839431

Luminaire Tested: **LD6C02D010 EU6029027 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839431
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 EU6029027 6LCSQWLI
Description: 6 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

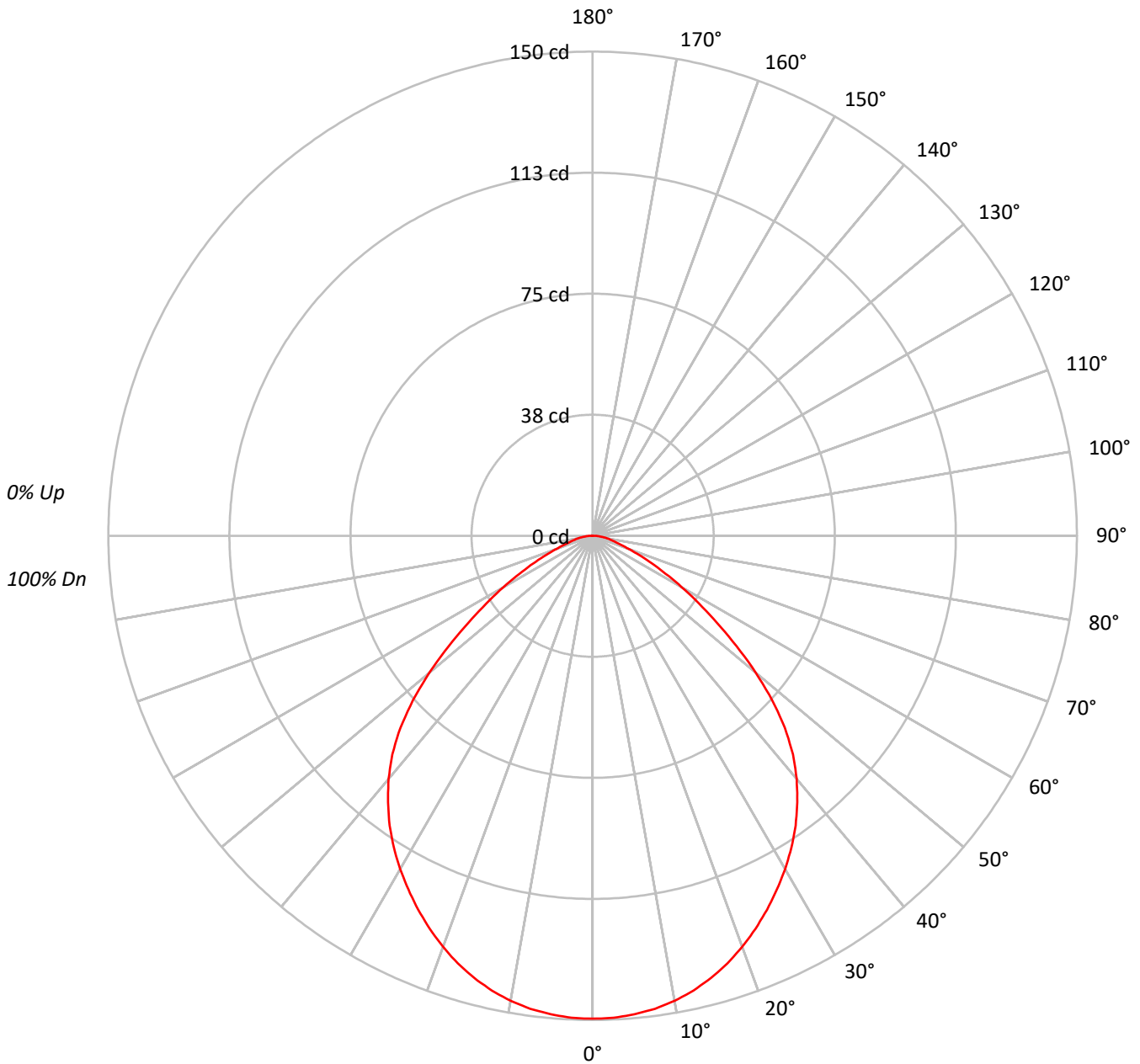
Lumens per Lamp: N/A
Luminaire Lumens: 319.0 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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
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°	6441
5°	6431
10°	6396
15°	6321
20°	6208
25°	6071
30°	5926
35°	5761
40°	5525
45°	5127
50°	4414
55°	3521
60°	2747
65°	2058
70°	1485
75°	1181
80°	1116
85°	1087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	4.4
10°-20°	39.9	12.5
20°-30°	58.9	18.5
30°-40°	68.4	21.4
40°-50°	64.2	20.1
50°-60°	42.5	13.3
60°-70°	20.5	6.4
70°-80°	7.9	2.5
80°-90°	2.5	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°	112.9	35.4
0°-40°	181.3	56.8
0°-60°	288.1	90.3
0°-90°	319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	319.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	150	
5°	149	14
15°	142	40
25°	128	59
35°	110	68
45°	84	64
55°	47	43
65°	20	21
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	149.6
2.5°	149.5
5°	148.8
7.5°	147.8
10°	146.3
12.5°	144.3
15°	141.8
17.5°	138.9
20°	135.5
22.5°	131.8
25°	127.8
27.5°	123.6
30°	119.2
32.5°	114.6
35°	109.6
37.5°	104.1
40°	98.3
42.5°	91.8
45°	84.2
47.5°	75.5
50°	65.9
52.5°	56.2
55°	46.9
57.5°	39.0
60°	31.9
62.5°	25.5
65°	20.2
67.5°	15.6
70°	11.8
72.5°	9.0
75°	7.1
77.5°	5.7
80°	4.5
82.5°	3.3
85°	2.2
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)