

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: P839516

Luminaire Tested: **LD6C60D010 EU6609027 6LCSQWLI**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839516  
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: LD6C60D010 EU6609027 6LCSQWLI  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

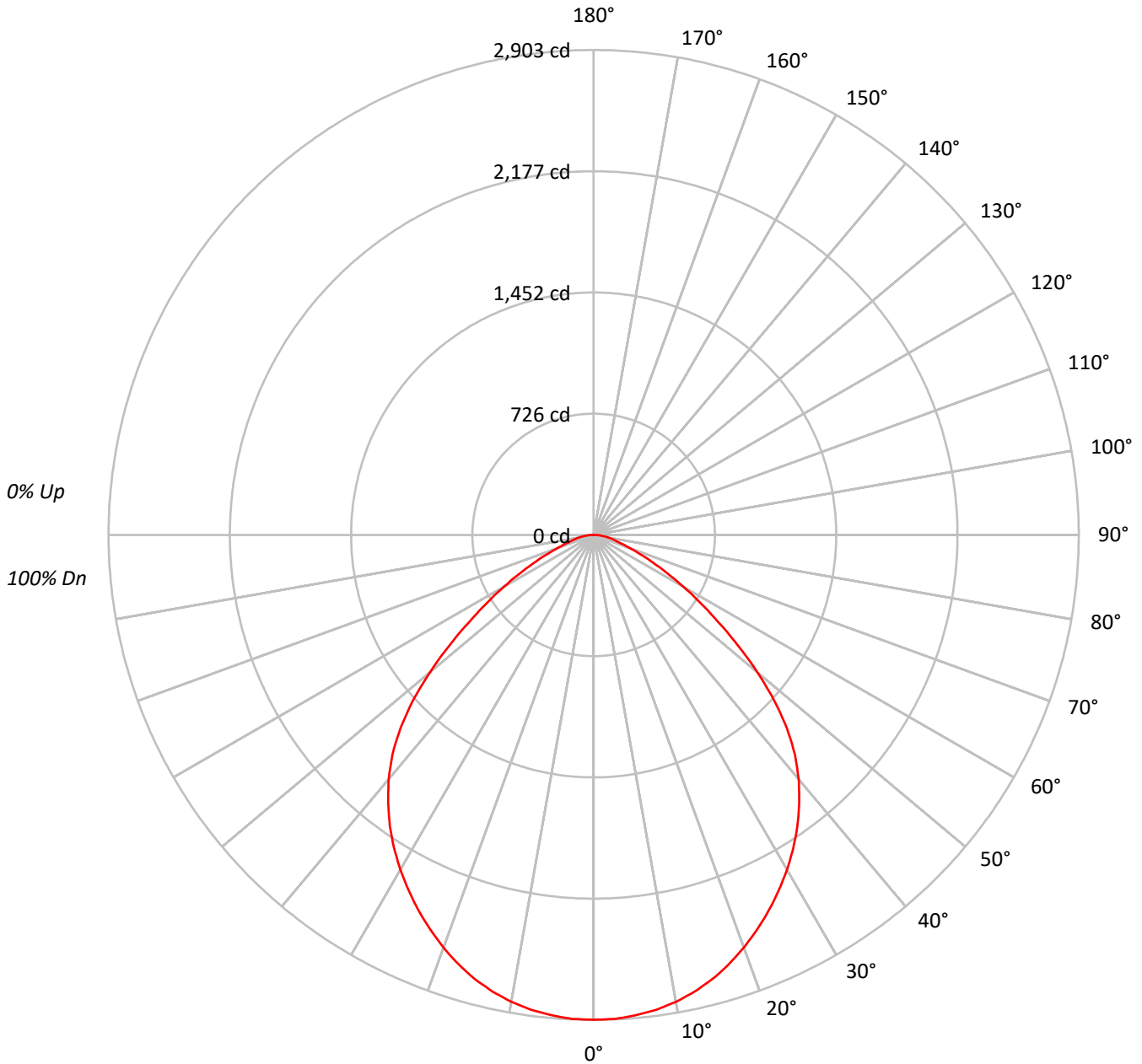
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6189.0 lumens  
Efficiency: N/A  
Efficacy: 86.0 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): 72  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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°	124973
5°	124768
10°	124090
15°	122656
20°	120426
25°	117817
30°	115014
35°	111735
40°	107234
45°	99476
50°	85698
55°	68362
60°	53217
65°	39834
70°	28904
75°	22924
80°	21472
85°	21391



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.0	4.4
10°-20°	774.9	12.5
20°-30°	1142.0	18.5
30°-40°	1326.6	21.4
40°-50°	1247.0	20.1
50°-60°	825.4	13.3
60°-70°	397.7	6.4
70°-80°	153.4	2.5
80°-90°	47.8	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°	2191.0	35.4
0°-40°	3517.6	56.8
0°-60°	5590.0	90.3
0°-90°	6189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6189.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2903	
5°	2887	274
15°	2752	775
25°	2480	1142
35°	2126	1327
45°	1634	1247
55°	911	825
65°	391	398
75°	138	153
85°	43	48
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2902.6
2.5°	2899.9
5°	2886.8
7.5°	2867.1
10°	2838.3
12.5°	2798.9
15°	2751.7
17.5°	2693.9
20°	2628.3
22.5°	2556.2
25°	2480.0
27.5°	2398.7
30°	2313.4
32.5°	2222.9
35°	2125.8
37.5°	2019.5
40°	1907.9
42.5°	1782.0
45°	1633.7
47.5°	1465.7
50°	1279.4
52.5°	1090.4
55°	910.7
57.5°	755.8
60°	618.0
62.5°	494.7
65°	391.0
67.5°	303.1
70°	229.6
72.5°	174.5
75°	137.8
77.5°	111.5
80°	86.6
82.5°	64.3
85°	43.3
87.5°	24.9
90°	0.0



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— 0°-180°







(END OF REPORT)