

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: P839476

Luminaire Tested: **LD6C20D010 EU6209027 6LCSQWLI**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839476  
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: LD6C20D010 EU6209027 6LCSQWLI  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

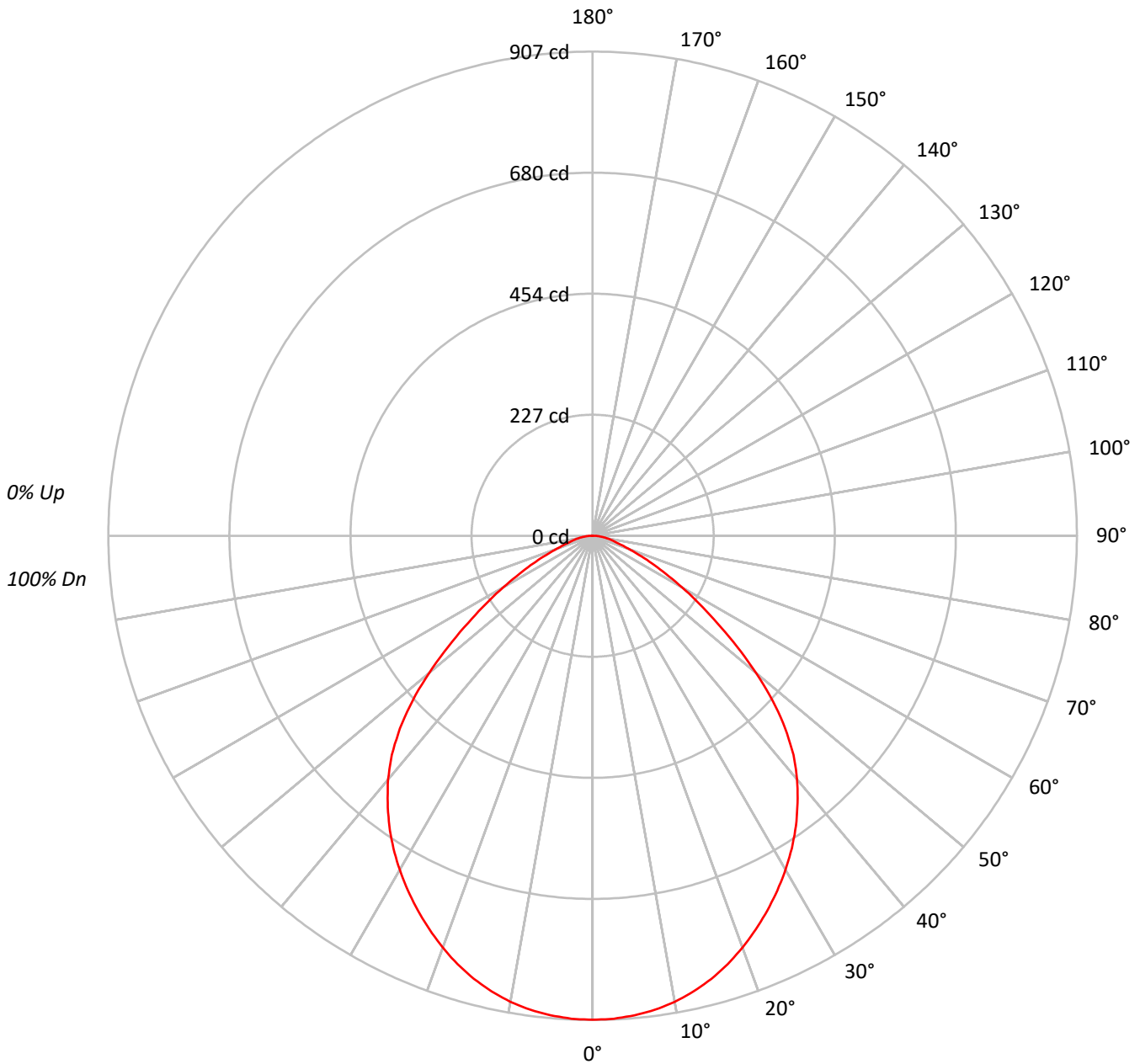
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1933.0 lumens  
Efficiency: N/A  
Efficacy: 88.7 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): 21.8  
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
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°	39034
5°	38967
10°	38758
15°	38307
20°	37613
25°	36799
30°	35920
35°	34895
40°	33493
45°	31066
50°	26766
55°	21349
60°	16619
65°	12439
70°	9026
75°	7153
80°	6695
85°	6669



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.6	4.4
10°-20°	242.0	12.5
20°-30°	356.7	18.5
30°-40°	414.3	21.4
40°-50°	389.5	20.1
50°-60°	257.8	13.3
60°-70°	124.2	6.4
70°-80°	47.9	2.5
80°-90°	14.9	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°	684.3	35.4
0°-40°	1098.6	56.8
0°-60°	1745.9	90.3
0°-90°	1933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1933.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	907	
5°	902	86
15°	859	242
25°	775	357
35°	664	414
45°	510	389
55°	284	258
65°	122	124
75°	43	48
85°	14	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	906.6
2.5°	905.7
5°	901.6
7.5°	895.5
10°	886.5
12.5°	874.2
15°	859.4
17.5°	841.4
20°	820.9
22.5°	798.4
25°	774.6
27.5°	749.2
30°	722.5
32.5°	694.3
35°	663.9
37.5°	630.7
40°	595.9
42.5°	556.6
45°	510.2
47.5°	457.8
50°	399.6
52.5°	340.6
55°	284.4
57.5°	236.1
60°	193.0
62.5°	154.5
65°	122.1
67.5°	94.7
70°	71.7
72.5°	54.5
75°	43.0
77.5°	34.8
80°	27.0
82.5°	20.1
85°	13.5
87.5°	7.8
90°	0.0



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— 0°-180°







(END OF REPORT)