

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: P839537

Luminaire Tested: **LD6C80D010 EU6809030 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839537  
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: LD6C80D010 EU6809030 6LCSQWLI  
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

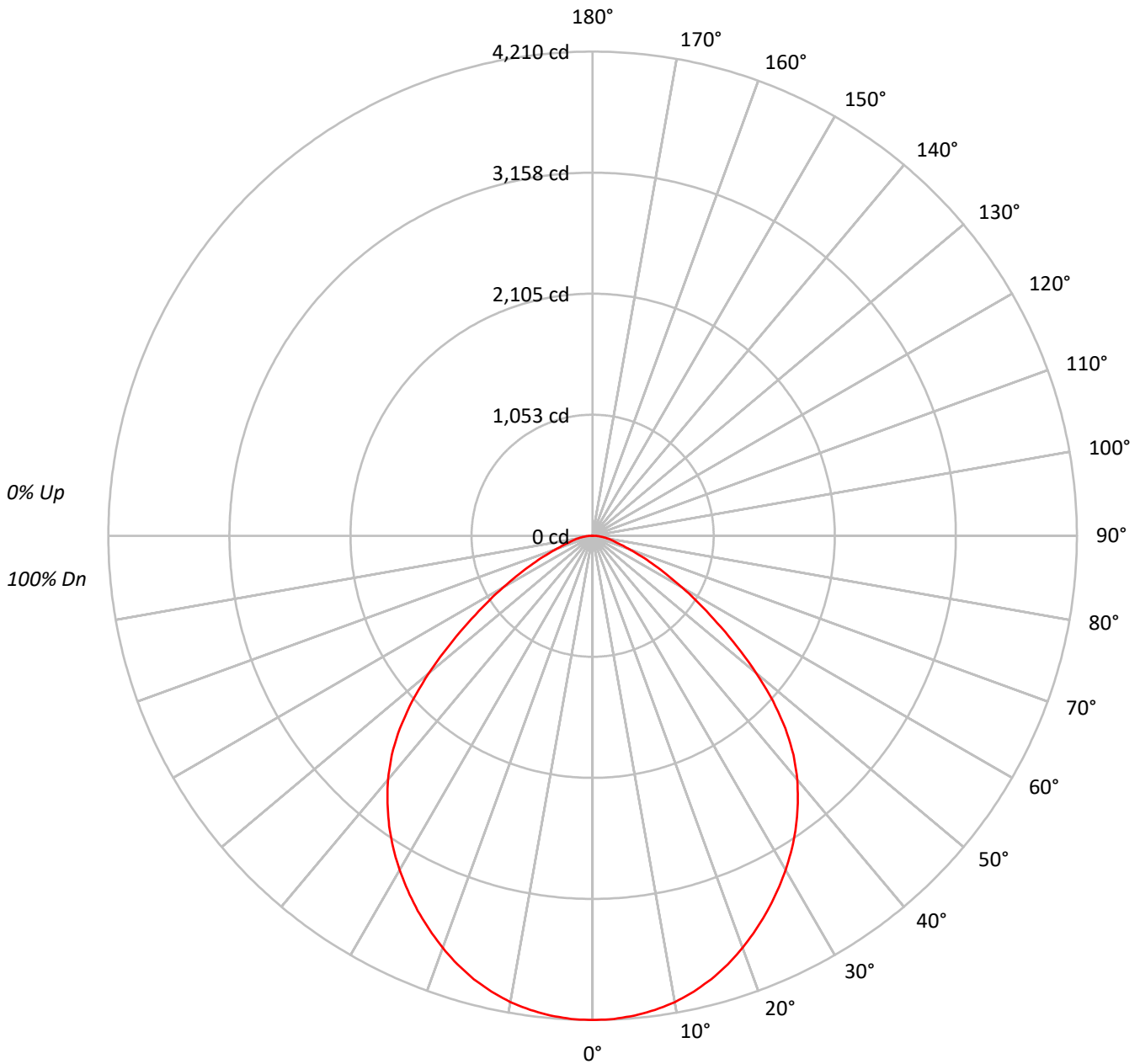
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8977.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 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): 89.5  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88		
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46		
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41		
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37		
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	181269
5°	180976
10°	179990
15°	177906
20°	174675
25°	170891
30°	166823
35°	162067
40°	155542
45°	144285
50°	124300
55°	99154
60°	77199
65°	57785
70°	41933
75°	33238
80°	31142
85°	31024



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.5	4.4
10°-20°	1124.0	12.5
20°-30°	1656.4	18.5
30°-40°	1924.2	21.4
40°-50°	1808.7	20.1
50°-60°	1197.3	13.3
60°-70°	576.9	6.4
70°-80°	222.5	2.5
80°-90°	69.4	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°	3177.9	35.4
0°-40°	5102.2	56.8
0°-60°	8108.2	90.3
0°-90°	8977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8977.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4210	
5°	4187	398
15°	3991	1124
25°	3597	1656
35°	3083	1924
45°	2370	1809
55°	1321	1197
65°	567	577
75°	200	222
85°	63	69
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4210.1
2.5°	4206.3
5°	4187.3
7.5°	4158.7
10°	4116.9
12.5°	4059.8
15°	3991.2
17.5°	3907.5
20°	3812.3
22.5°	3707.6
25°	3597.2
27.5°	3479.2
30°	3355.5
32.5°	3224.2
35°	3083.4
37.5°	2929.2
40°	2767.4
42.5°	2584.7
45°	2369.6
47.5°	2126.0
50°	1855.7
52.5°	1581.6
55°	1320.9
57.5°	1096.3
60°	896.5
62.5°	717.5
65°	567.2
67.5°	439.7
70°	333.1
72.5°	253.1
75°	199.8
77.5°	161.8
80°	125.6
82.5°	93.3
85°	62.8
87.5°	36.2
90°	0.0



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— 0°-180°







(END OF REPORT)